

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133175.D
 Acq On : 02 May 2023 01:25
 Operator : CG\JU
 Sample : 02562-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-04282023

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133175.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.910	477	480	486	rVB	91932	109048	1.87%	0.163%
2	5.340	548	553	556	rBV	3289011	3006050	51.67%	4.498%
3	6.369	723	728	731	rBV	3513634	3086600	53.06%	4.619%
4	6.575	758	763	770	rBV4	79600	122331	2.10%	0.183%
5	6.728	786	789	792	rBV	1212330	1071477	18.42%	1.603%
6	7.004	831	836	841	rVB4	74436	136209	2.34%	0.204%
7	7.292	881	885	888	rVB	2404949	1918975	32.99%	2.872%
8	7.340	890	893	896	rVB	109892	89144	1.53%	0.133%
9	7.381	896	900	904	rVB4	80491	105257	1.81%	0.158%
10	7.540	916	927	931	rBV7	93541	155539	2.67%	0.233%
11	7.657	942	947	951	rVB6	94164	116403	2.00%	0.174%
12	8.016	1003	1008	1010	rBV	1646229	1357473	23.33%	2.031%
13	8.034	1010	1011	1015	rVB	230361	159481	2.74%	0.239%
14	8.310	1054	1058	1061	rVB5	61800	79014	1.36%	0.118%
15	8.445	1078	1081	1086	rBV2	111450	124441	2.14%	0.186%
16	8.728	1127	1129	1132	rVB	135393	101304	1.74%	0.152%
17	8.828	1143	1146	1152	rVB	176243	162387	2.79%	0.243%
18	9.045	1180	1183	1187	rVB	106782	85341	1.47%	0.128%
19	9.092	1187	1191	1194	rBV	3618433	2897775	49.81%	4.336%
20	9.175	1201	1205	1210	rBV3	112338	183538	3.15%	0.275%
21	9.351	1232	1235	1239	rVV	75443	103996	1.79%	0.156%
22	9.428	1245	1248	1250	rVV	146474	117957	2.03%	0.177%
23	9.498	1258	1260	1263	rVV2	112735	94172	1.62%	0.141%
24	9.545	1265	1268	1273	rVB	82343	106208	1.83%	0.159%
25	9.628	1279	1282	1289	rBV	229029	204690	3.52%	0.306%
26	9.769	1300	1306	1309	rBV	1432631	1275976	21.93%	1.909%
27	9.798	1309	1311	1315	rVB	770497	541691	9.31%	0.811%
28	9.969	1337	1340	1343	rVB	332545	271538	4.67%	0.406%
29	10.210	1378	1381	1386	rVB2	62127	81806	1.41%	0.122%
30	10.316	1395	1399	1405	rBV	655811	626125	10.76%	0.937%
31	10.381	1405	1410	1411	rBV	90035	106136	1.82%	0.159%
32	10.398	1411	1413	1415	rVV3	101832	84231	1.45%	0.126%
33	10.428	1415	1418	1420	rVV2	104334	104952	1.80%	0.157%
34	10.481	1423	1427	1430	rVB2	554493	539997	9.28%	0.808%
35	10.551	1436	1439	1444	rVV	1639705	1518082	26.09%	2.272%
36	10.598	1444	1447	1452	rVB4	42573	69585	1.20%	0.104%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133175.D
 Acq On : 02 May 2023 01:25
 Operator : CG\JU
 Sample : 02562-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-04282023

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.681	1458	1461	1468	rVB3	181726	250435	4.30%	0.375%
38	10.863	1485	1492	1494	rBV3	141744	208403	3.58%	0.312%
39	10.886	1494	1496	1499	rVV2	116651	113255	1.95%	0.169%
40	10.939	1503	1505	1508	rVV	81934	82745	1.42%	0.124%
41	10.992	1509	1514	1515	rVV2	69154	96439	1.66%	0.144%
42	11.010	1515	1517	1522	rVV2	96515	130684	2.25%	0.196%
43	11.057	1522	1525	1529	rVV4	95133	108099	1.86%	0.162%
44	11.104	1530	1533	1535	rVV3	86784	117924	2.03%	0.176%
45	11.145	1535	1540	1546	rVB2	348269	459340	7.90%	0.687%
46	11.251	1554	1558	1560	rBV	1241872	1166445	20.05%	1.745%
47	11.280	1560	1563	1566	rVV	4591544	3896105	66.97%	5.830%
48	11.328	1566	1571	1574	rVB	1280408	1080047	18.57%	1.616%
49	11.357	1574	1576	1580	rBV2	108016	118741	2.04%	0.178%
50	11.480	1591	1597	1600	rBV	605393	556995	9.57%	0.833%
51	11.551	1606	1609	1612	rBV3	149062	144827	2.49%	0.217%
52	11.580	1612	1614	1617	rVV2	135387	99929	1.72%	0.150%
53	11.663	1625	1628	1633	rVB	103632	116299	2.00%	0.174%
54	11.704	1633	1635	1639	rBV5	43178	79392	1.36%	0.119%
55	11.751	1640	1643	1645	rVV	587358	494196	8.49%	0.740%
56	11.780	1645	1648	1653	rVV2	913052	1024486	17.61%	1.533%
57	11.827	1653	1656	1658	rVV	298336	250446	4.30%	0.375%
58	11.863	1658	1662	1665	rVV	1255009	1307632	22.48%	1.957%
59	11.886	1665	1666	1671	rVB	402802	225885	3.88%	0.338%
60	11.933	1671	1674	1676	rBV2	65444	91206	1.57%	0.136%
61	11.963	1676	1679	1681	rVV3	107567	132167	2.27%	0.198%
62	11.986	1681	1683	1685	rVB2	109675	84958	1.46%	0.127%
63	12.045	1691	1693	1695	rBV	385565	333294	5.73%	0.499%
64	12.069	1695	1697	1701	rVB2	282901	270373	4.65%	0.405%
65	12.122	1704	1706	1709	rBV	66871	74474	1.28%	0.111%
66	12.180	1713	1716	1717	rBV	96863	95100	1.63%	0.142%
67	12.198	1717	1719	1722	rVB	106208	84573	1.45%	0.127%
68	12.227	1722	1724	1726	rBV	155457	130793	2.25%	0.196%
69	12.251	1726	1728	1731	rVB2	159533	124251	2.14%	0.186%
70	12.304	1733	1737	1740	rBV	395193	412744	7.09%	0.618%
71	12.339	1740	1743	1749	rVB3	241907	370192	6.36%	0.554%
72	12.386	1749	1751	1756	rBV3	202344	239945	4.12%	0.359%
73	12.469	1760	1765	1768	rBV	5507326	5502097	94.58%	8.233%
74	12.516	1768	1773	1777	rVB3	149284	253320	4.35%	0.379%
75	12.574	1778	1783	1785	rBV2	165094	251861	4.33%	0.377%
76	12.616	1787	1790	1794	rVB3	171930	197966	3.40%	0.296%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133175.D
 Acq On : 02 May 2023 01:25
 Operator : CG\JU
 Sample : 02562-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-04282023

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	12.698	1797	1804	1807	rBV	4875944	5817591	100.00%	8.705%
78	12.810	1820	1823	1825	rBV	353934	315139	5.42%	0.472%
79	12.839	1825	1828	1835	rVB	2948536	2673340	45.95%	4.000%
80	12.916	1835	1841	1843	rBV2	350485	567239	9.75%	0.849%
81	12.939	1843	1845	1848	rVV	167424	162317	2.79%	0.243%
82	12.998	1852	1855	1856	rVV2	302439	347892	5.98%	0.521%
83	13.022	1856	1859	1862	rVB	1012339	913785	15.71%	1.367%
84	13.086	1867	1870	1873	rBV	874327	725164	12.47%	1.085%
85	13.122	1873	1876	1879	rBV	489019	529596	9.10%	0.792%
86	13.151	1879	1881	1884	rVB	170445	168238	2.89%	0.252%
87	13.216	1889	1892	1894	rVB	330486	261754	4.50%	0.392%
88	13.245	1895	1897	1901	rVV	348482	288654	4.96%	0.432%
89	13.422	1925	1927	1929	rBV	183705	163152	2.80%	0.244%
90	13.639	1961	1964	1966	rBV	354696	371559	6.39%	0.556%
91	13.669	1966	1969	1971	rVV	357505	290447	4.99%	0.435%
92	13.692	1971	1973	1977	rVB2	240298	289879	4.98%	0.434%
93	13.886	2002	2006	2009	rBV2	2425571	3205946	55.11%	4.797%
94	13.916	2009	2011	2014	rVB	1978691	1647677	28.32%	2.466%
95	13.998	2022	2025	2028	rVB	502148	421430	7.24%	0.631%
96	14.916	2177	2181	2183	rBV	1462027	1988589	34.18%	2.976%
97	15.198	2226	2229	2235	rVB	856529	1035178	17.79%	1.549%
98	15.257	2236	2239	2246	rVV	1237143	1558255	26.79%	2.332%
99	15.315	2247	2249	2252	rVV	605644	641399	11.03%	0.960%
100	15.345	2252	2254	2261	rVB3	482578	749466	12.88%	1.122%

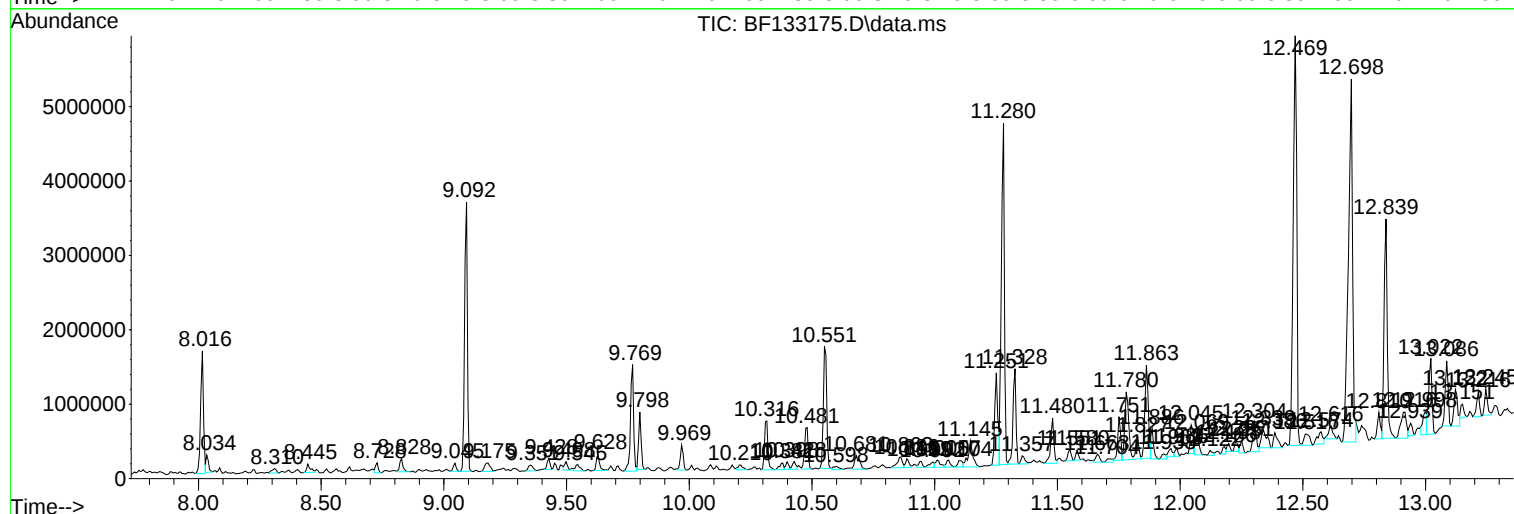
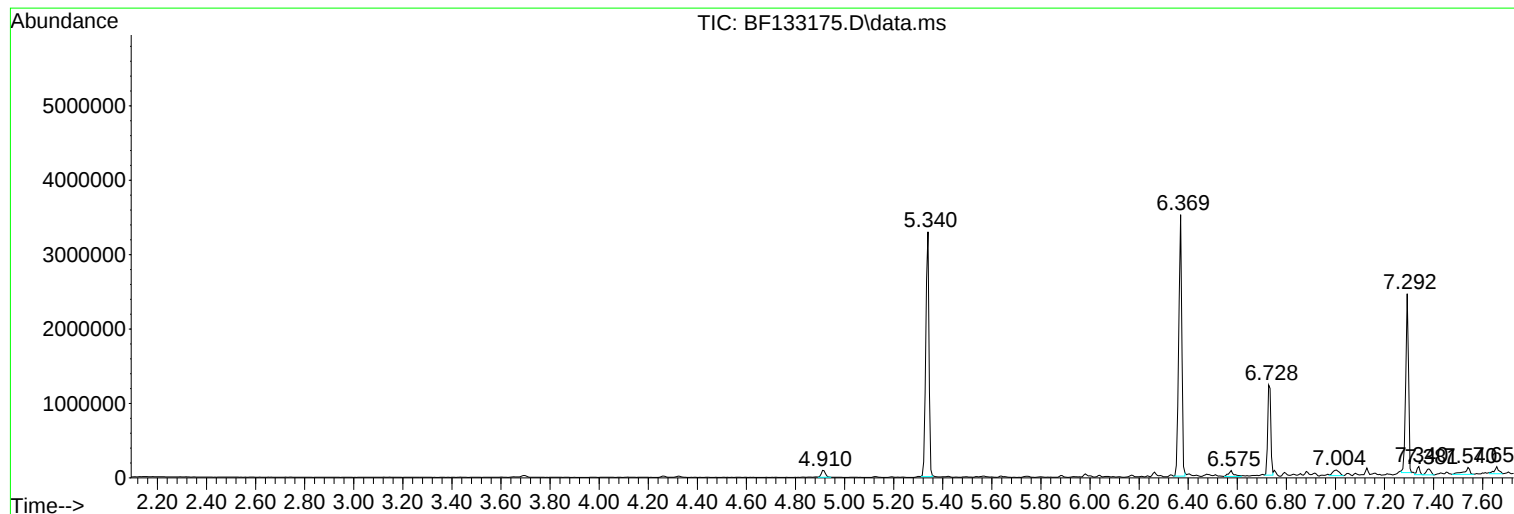
Sum of corrected areas: 66826678

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

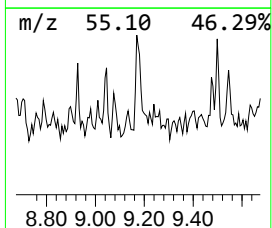
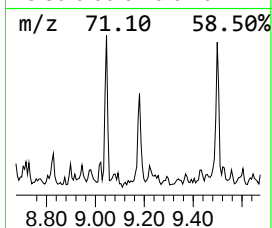
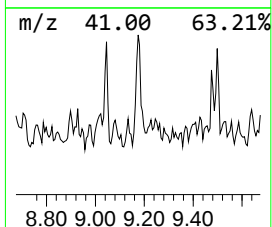
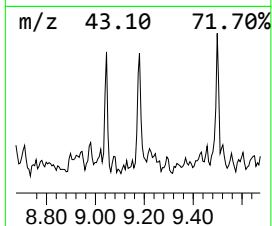
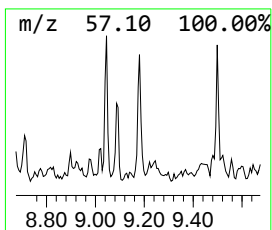
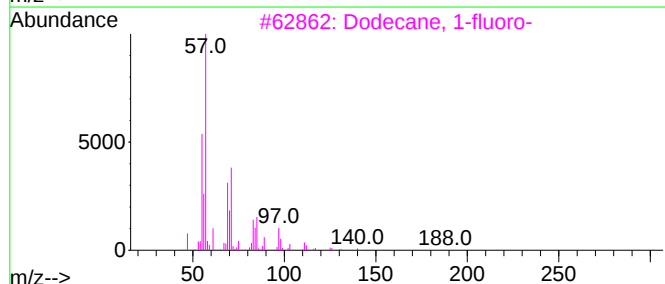
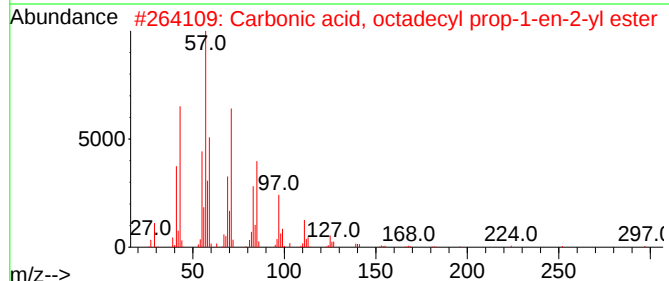
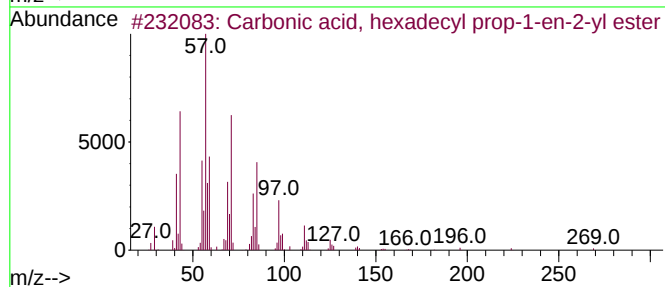
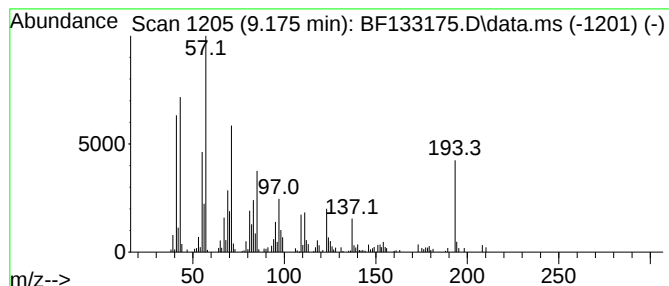
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown9.175 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.175	2.88 ng	183538	Acenaphthene-d10	9.769

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	49
2			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	45
3			Dodecane, 1-fluoro-	188	C12H25F	000334-68-9	41
4			Carbonic acid, dodecyl vinyl ester	256	C15H28O3	1000382-54-8	38
5			Carbonic acid, dodecyl prop-1-en...	270	C16H30O3	1000382-90-7	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

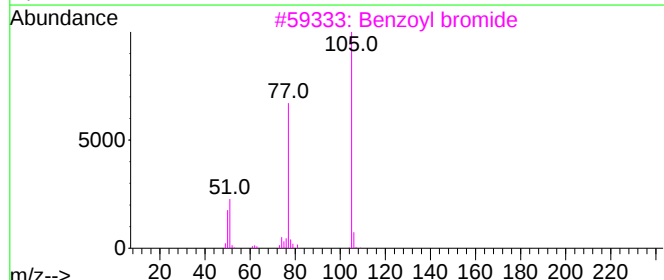
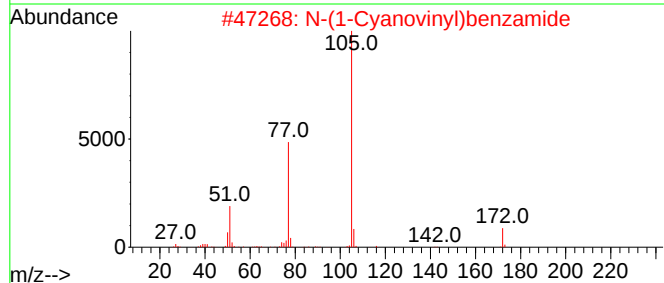
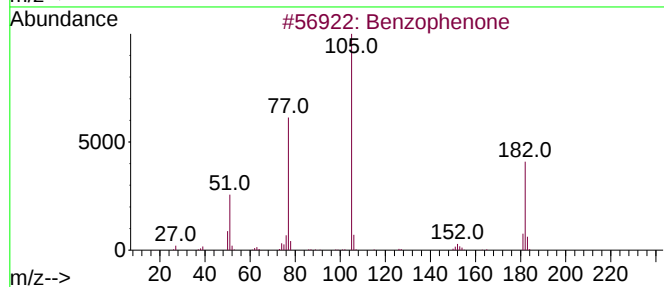
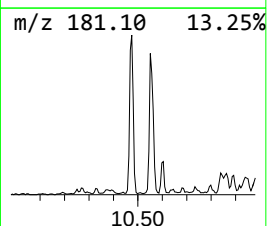
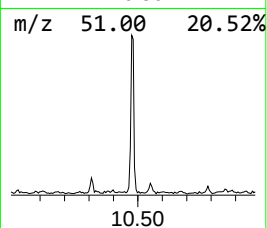
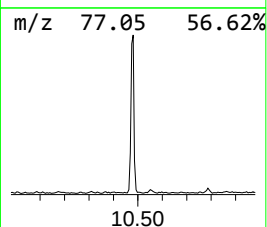
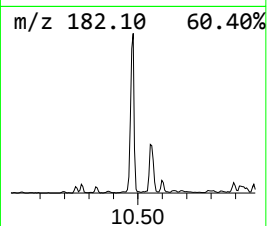
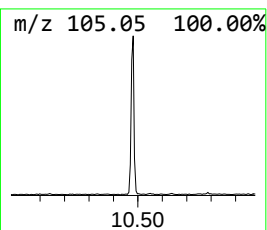
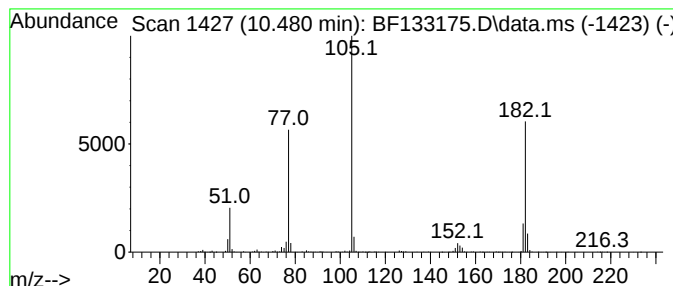
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.480	8.46 ng	539997	Acenaphthene-d10	9.769

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47
3			Benzoyl bromide	184	C7H5BrO	000618-32-6	47
4			N-Methylbenzamide, N-chlorodiflu...	247	C10H8ClF2NO2	1000446-98-2	47
5			Azobenzene	182	C12H10N2	000103-33-3	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

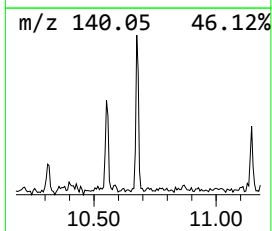
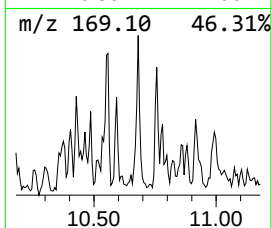
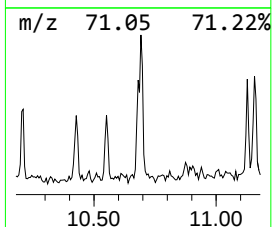
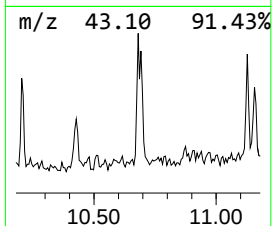
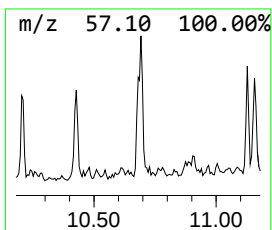
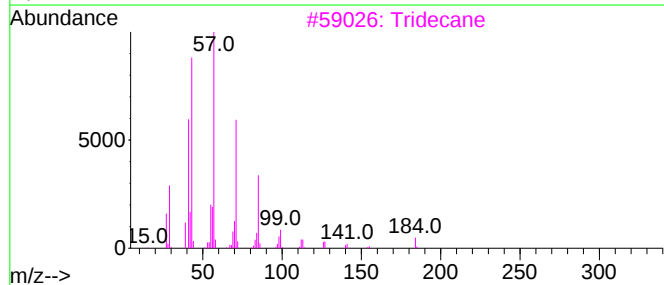
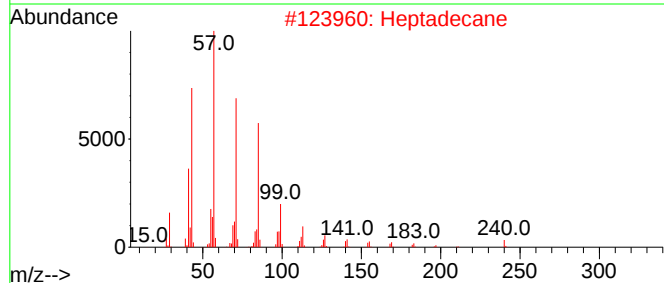
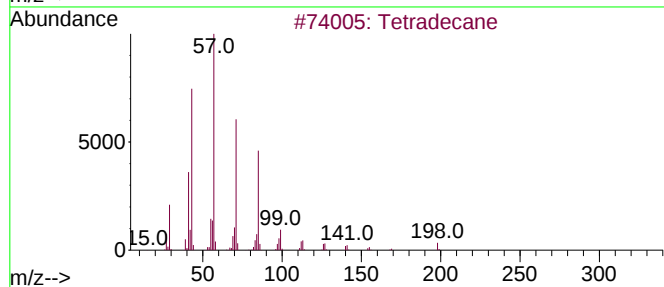
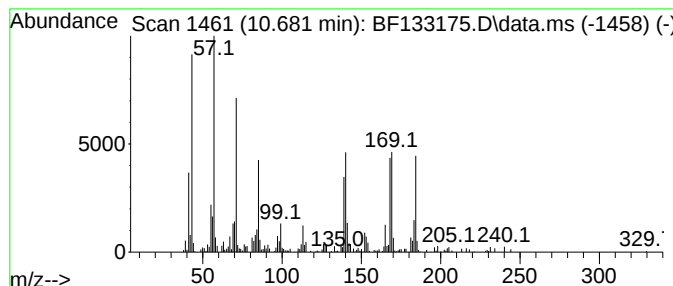
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Tetradecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.681	4.29 ng	250435	Phenanthrene-d10	11.251

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	56
2			Heptadecane	240	C17H36	000629-78-7	56
3			Tridecane	184	C13H28	000629-50-5	42
4			3,5-Dimethyldodecane	198	C14H30	107770-99-0	41
5			Nonane	128	C9H20	000111-84-2	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

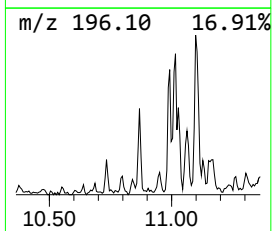
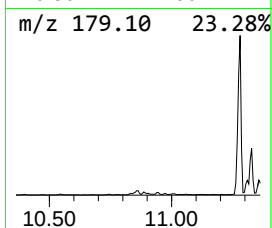
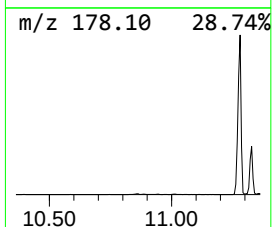
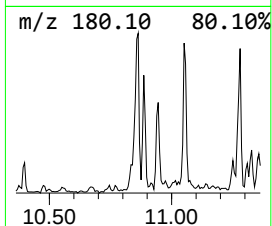
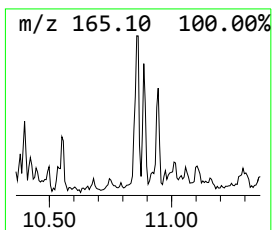
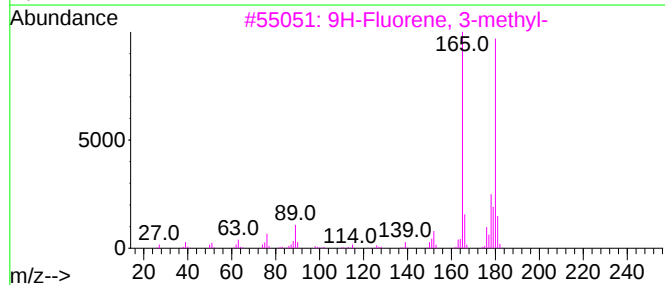
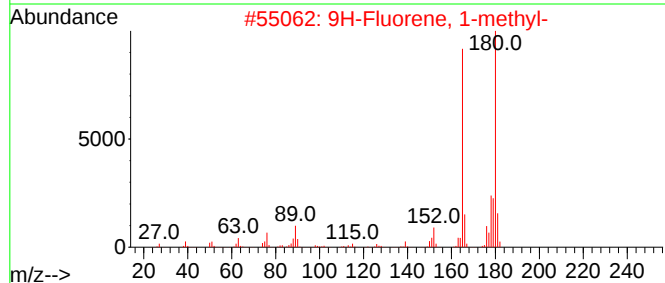
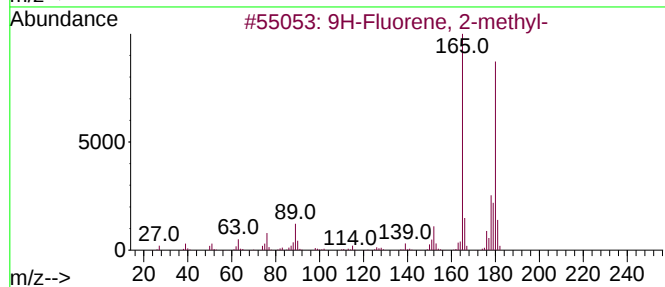
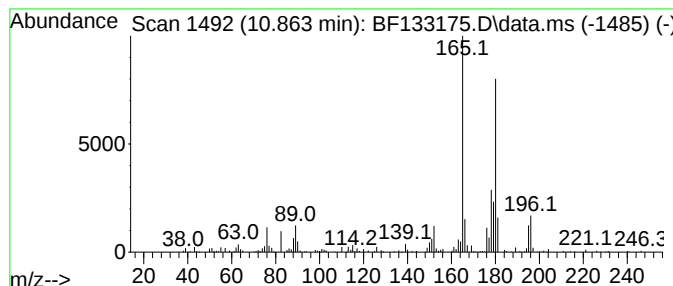
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.863	3.57 ng	208403	Phenanthrene-d10	11.251

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

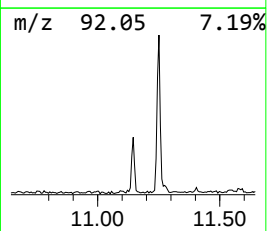
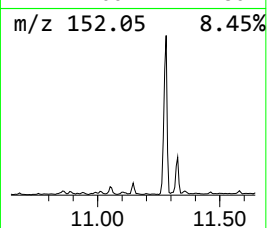
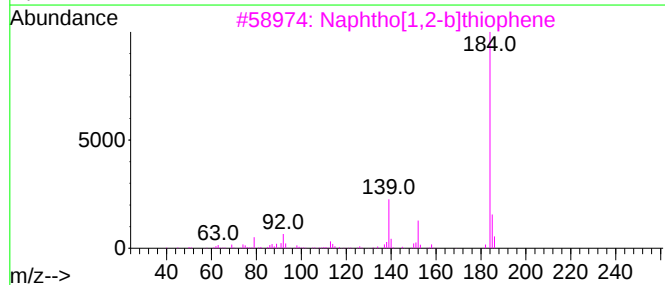
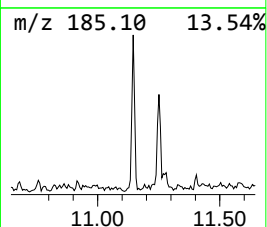
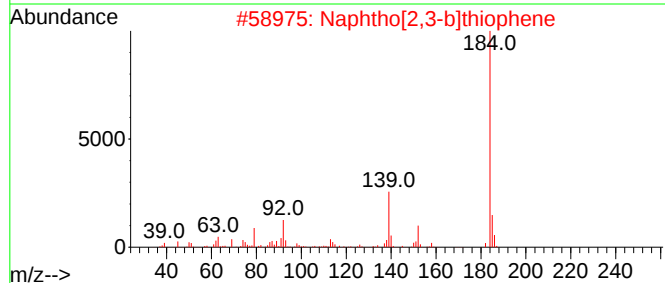
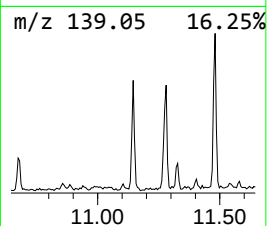
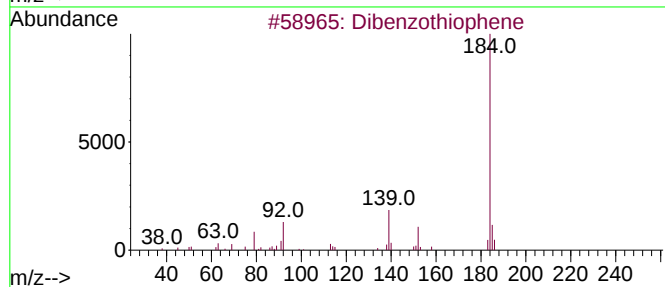
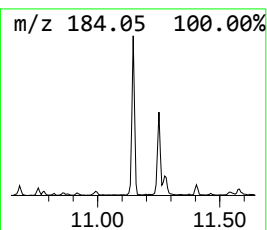
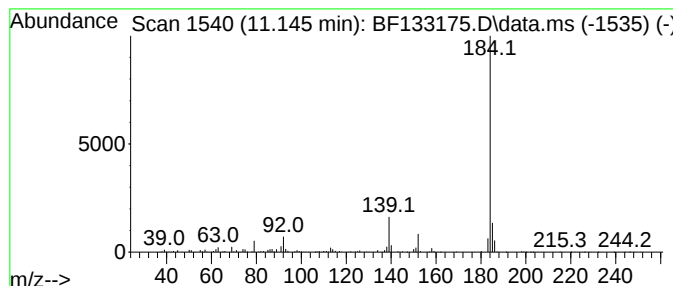
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.145	7.88 ng	459340	Phenanthrene-d10	11.251

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	96
2			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

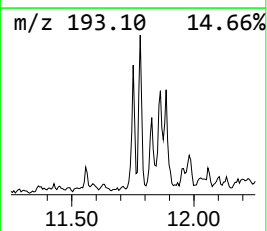
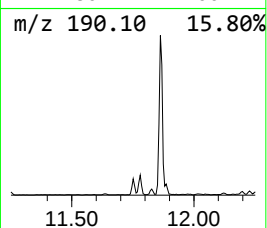
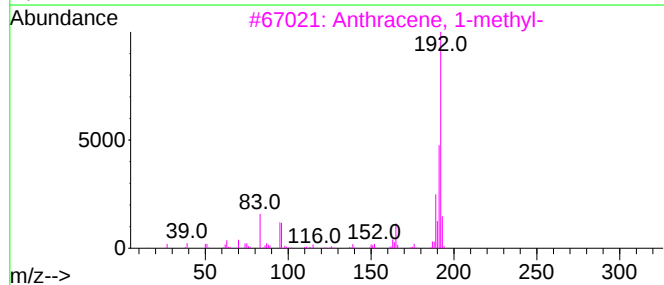
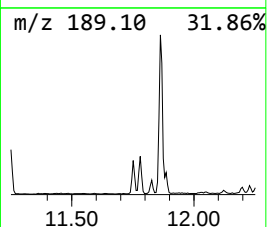
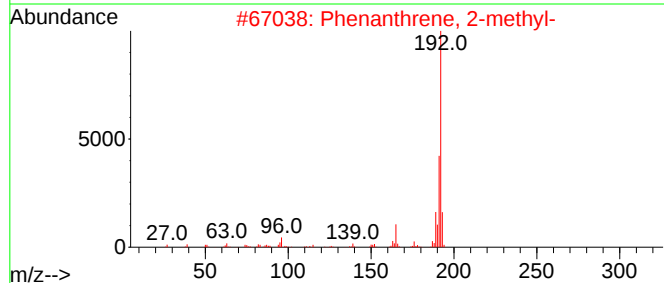
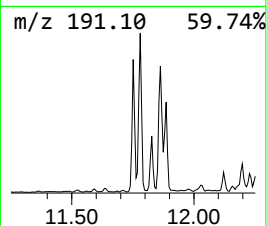
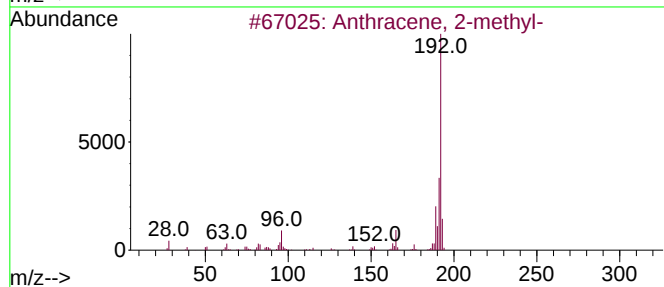
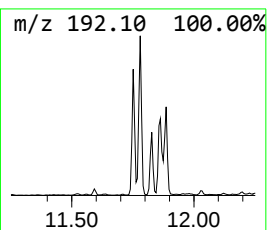
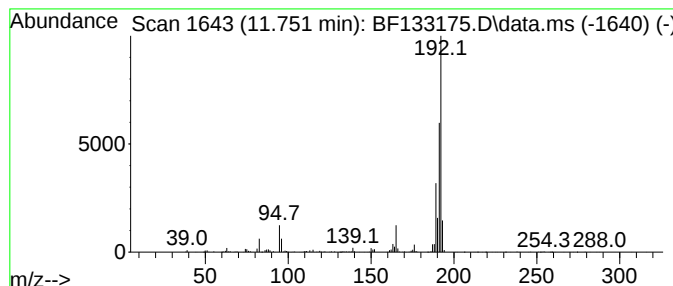
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.751	8.47 ng	494196	Phenanthrene-d10	11.251

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

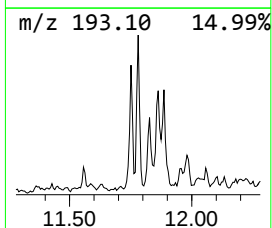
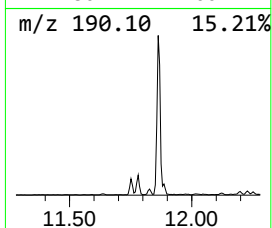
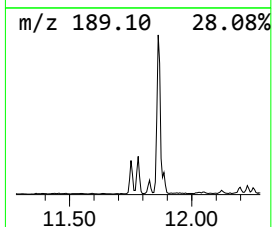
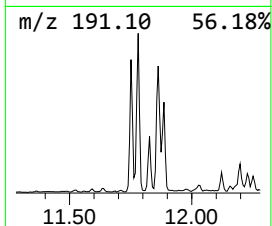
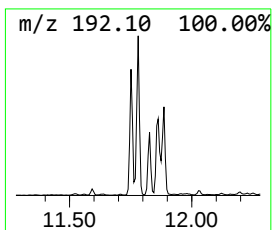
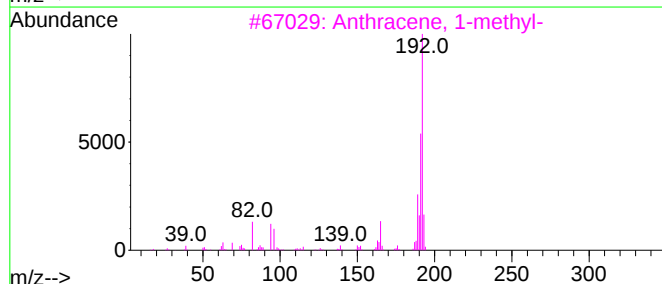
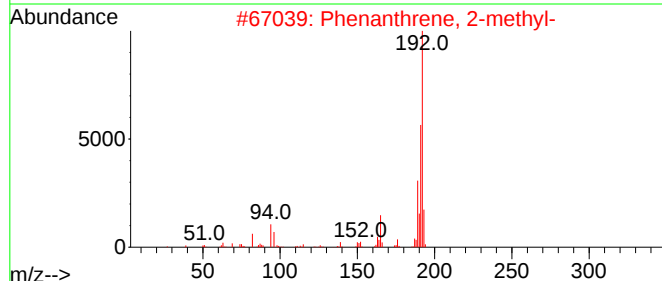
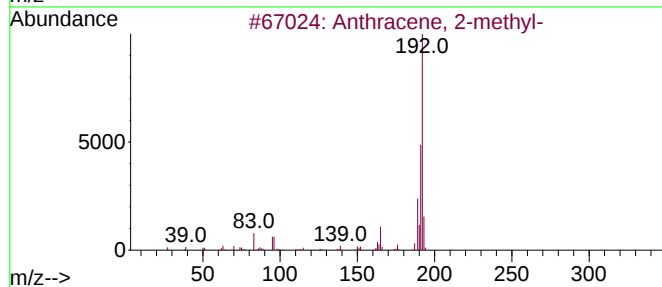
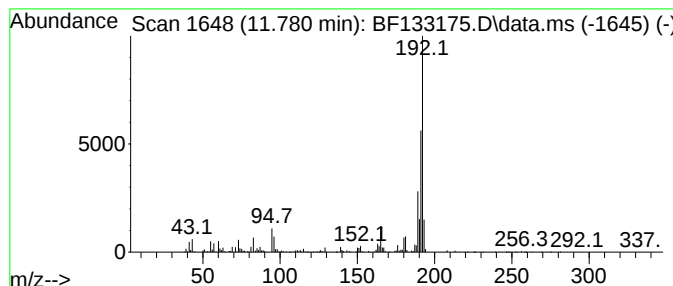
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.780	17.57 ng	1024490	Phenanthrene-d10	11.251

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

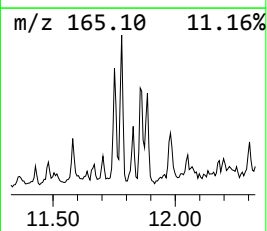
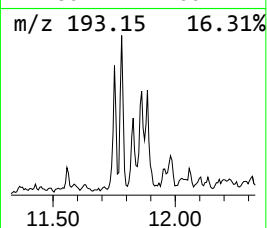
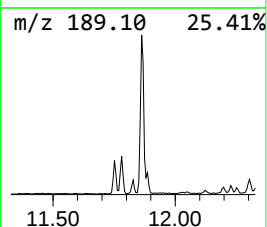
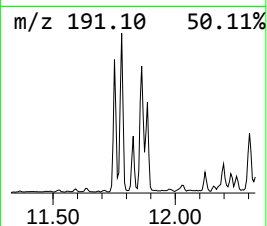
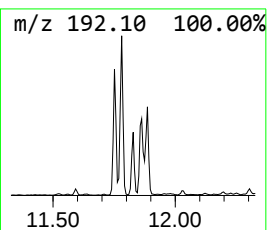
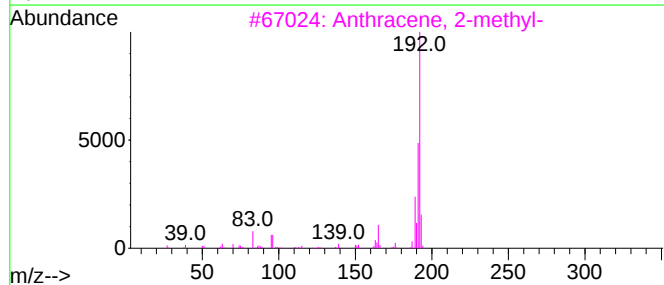
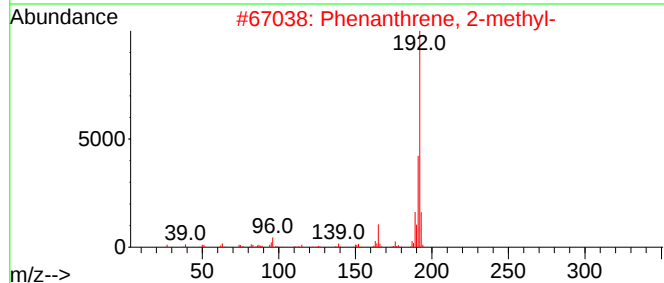
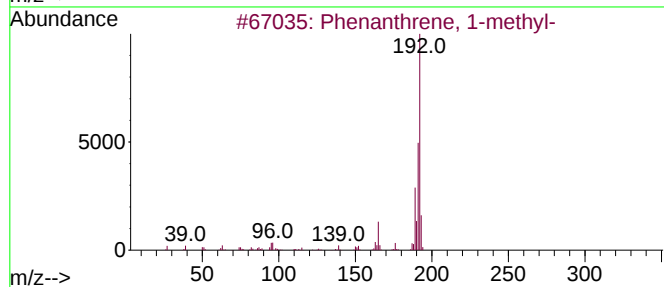
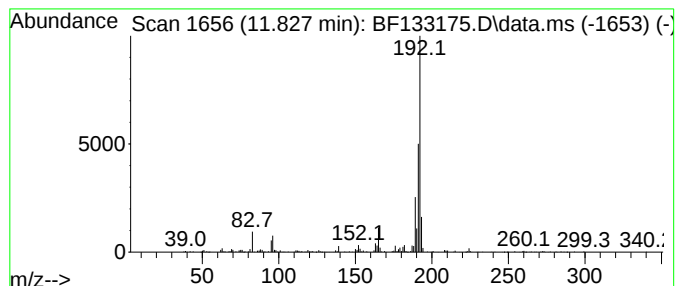
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.828	4.29 ng	250446	Phenanthrene-d10	11.251

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

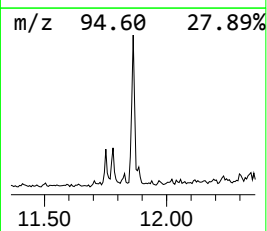
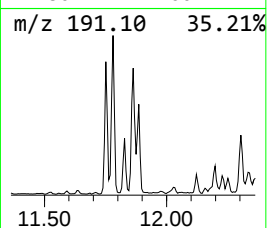
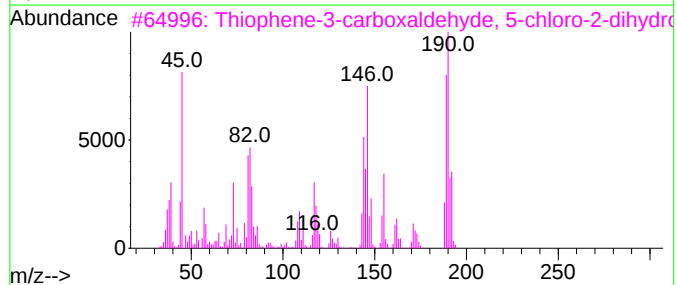
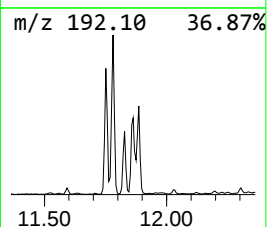
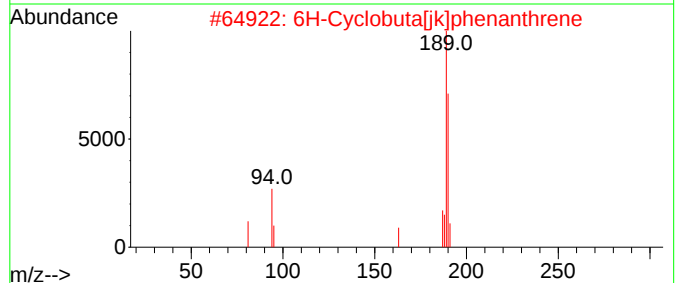
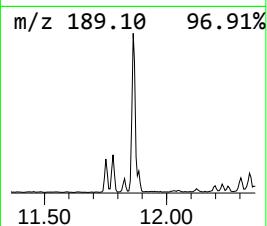
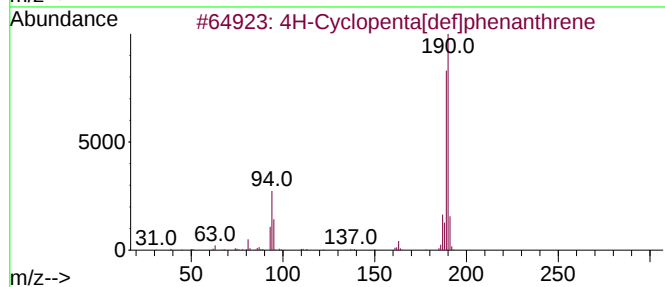
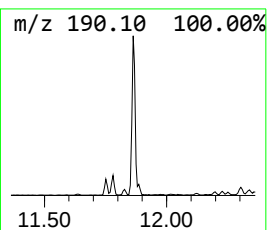
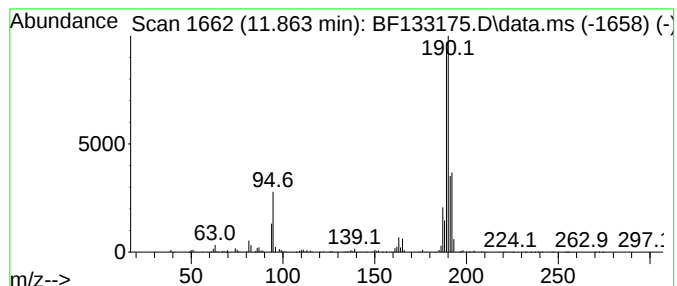
Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.863	22.42 ng	1307630	Phenanthrene-d10	11.251	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	Methyl diselenide	190	C2H6Se2	007101-31-7	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

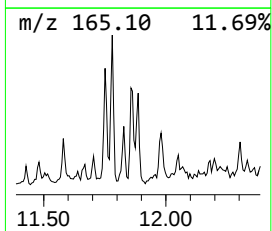
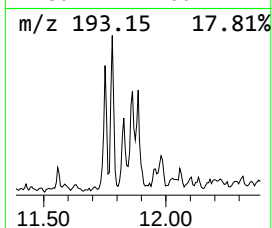
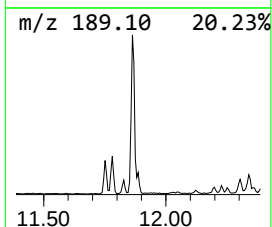
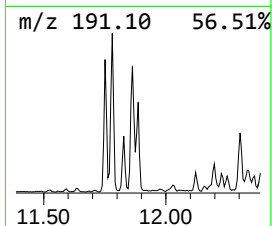
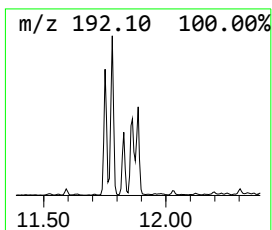
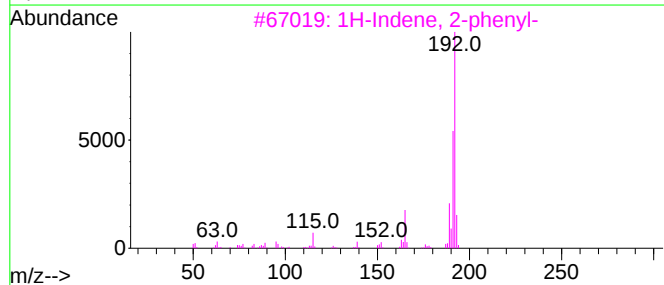
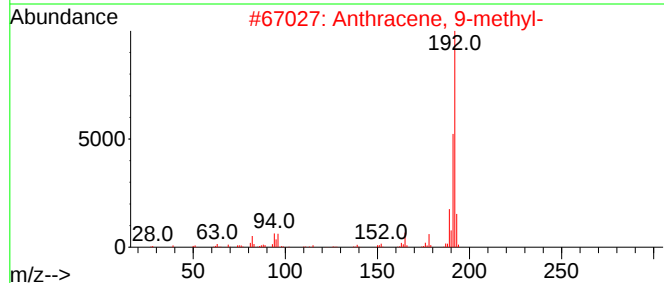
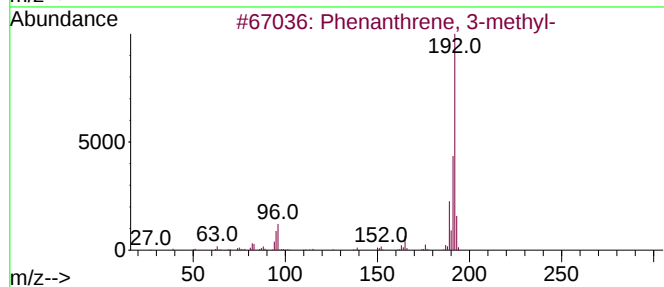
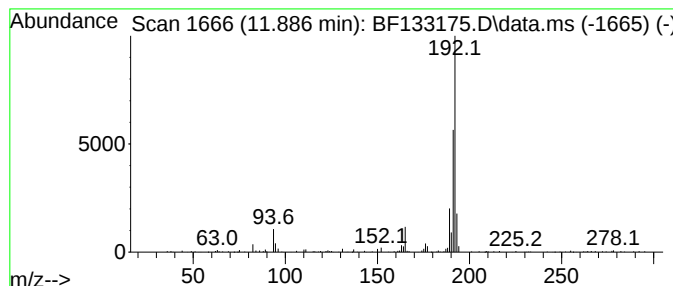
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	3.87 ng	225885	Phenanthrene-d10	11.251

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4		Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

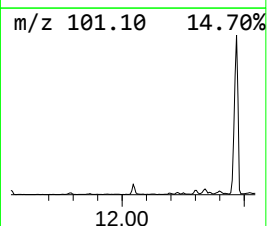
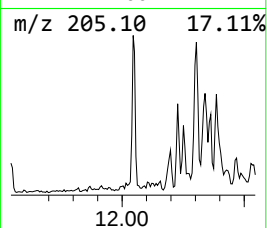
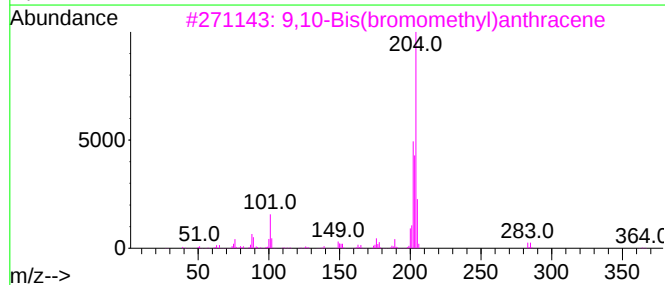
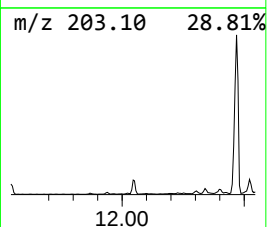
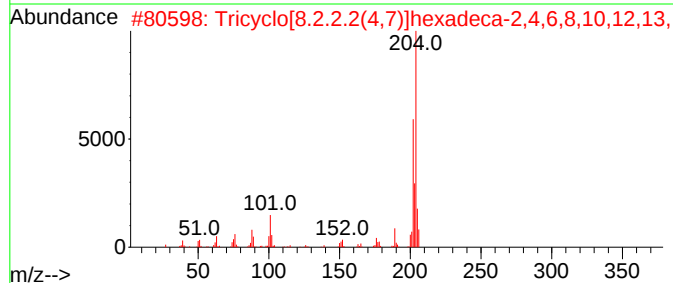
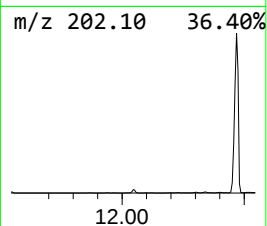
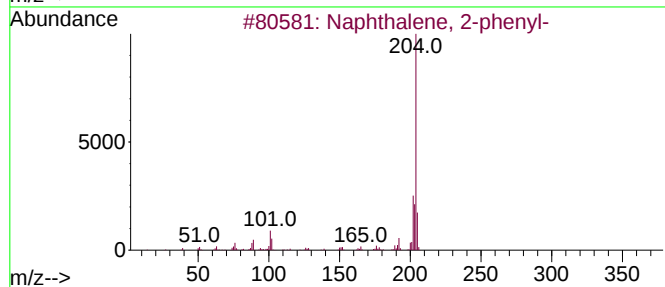
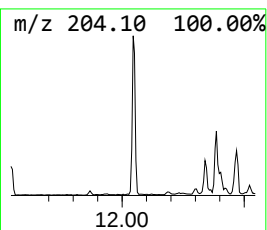
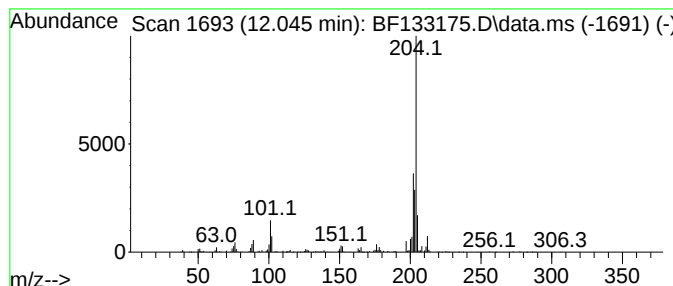
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	5.71 ng	333294	Phenanthrene-d10	11.251

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
3			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	87
4			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5			6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

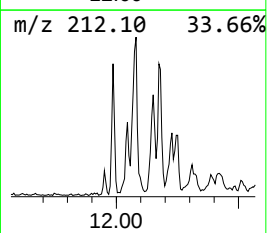
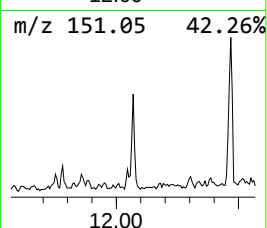
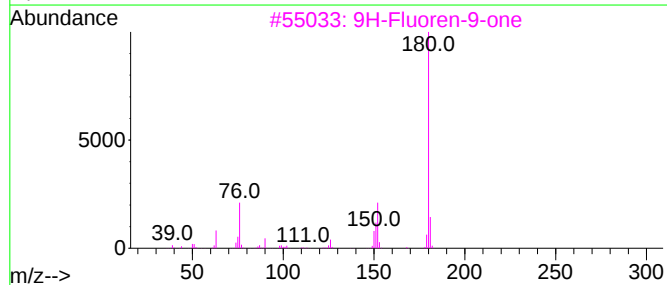
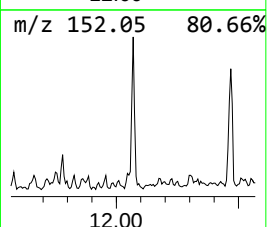
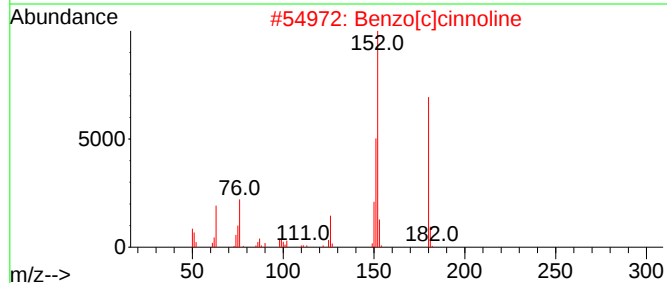
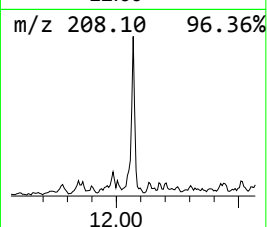
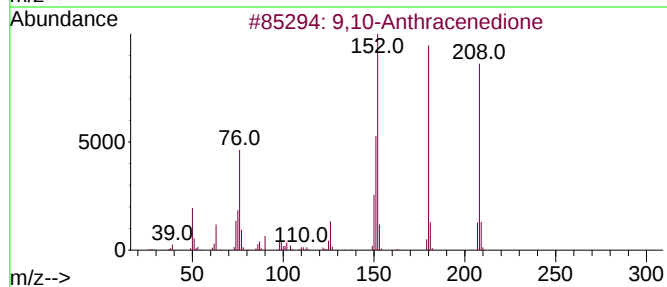
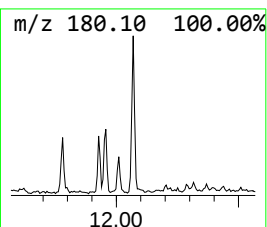
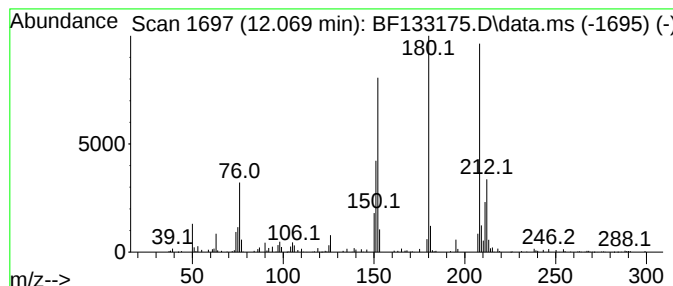
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.069	4.64 ng	270373	Phenanthrene-d10	11.251

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,10-Anthracenedione	208	C14H8O2	000084-65-1	83
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	53
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	53
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5		1,4-Anthracenedione	208	C14H8O2	000635-12-1	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

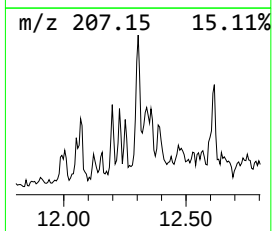
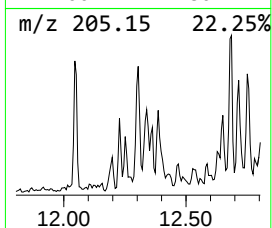
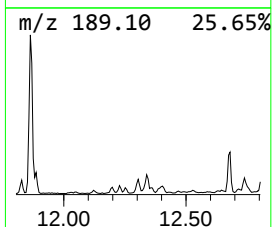
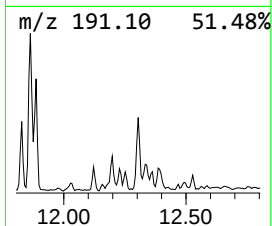
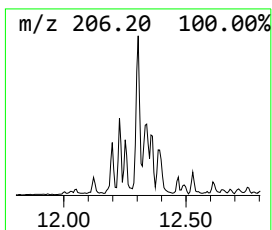
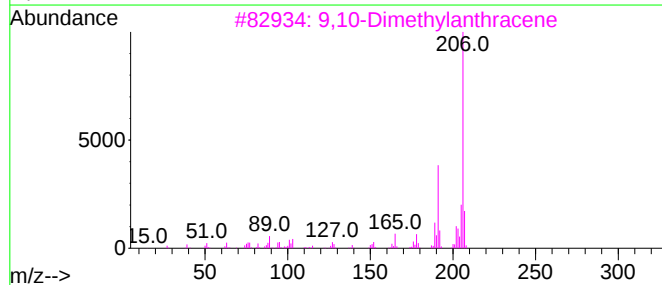
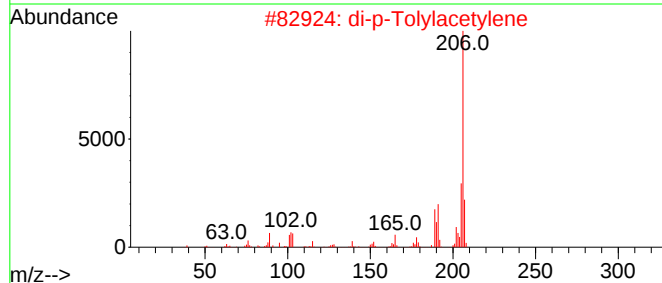
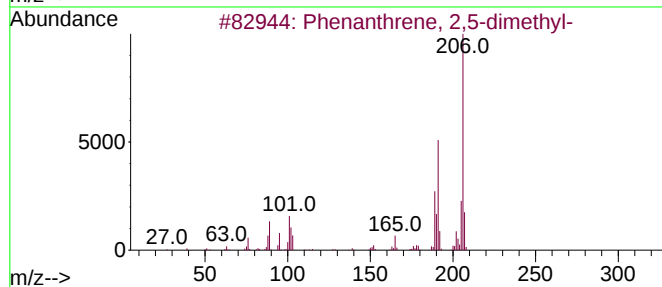
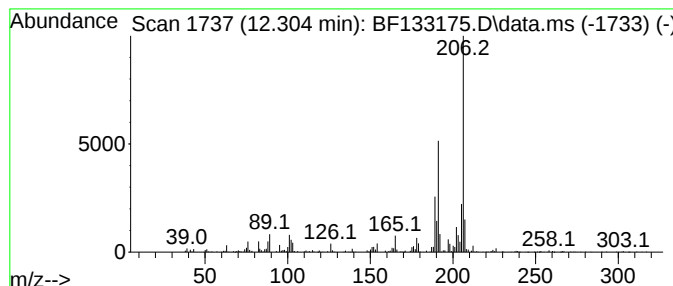
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.304	7.08 ng	412744	Phenanthrene-d10	11.251

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2			di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3			9,10-Dimethylantracene	206	C16H14	000781-43-1	94
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5			1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

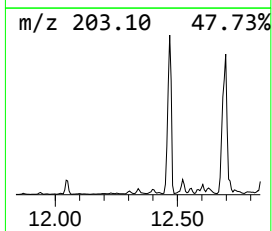
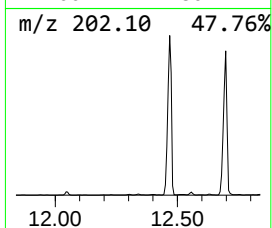
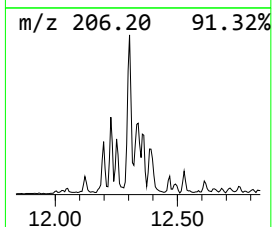
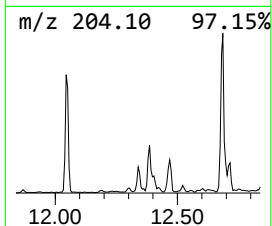
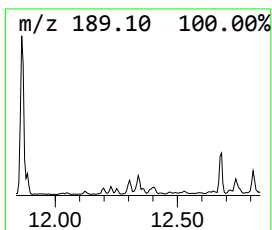
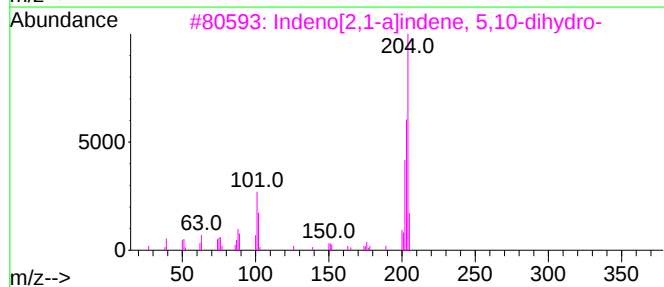
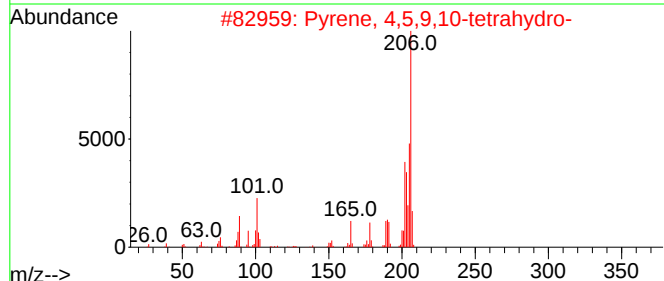
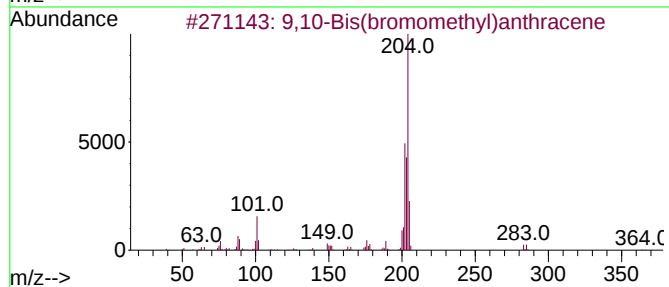
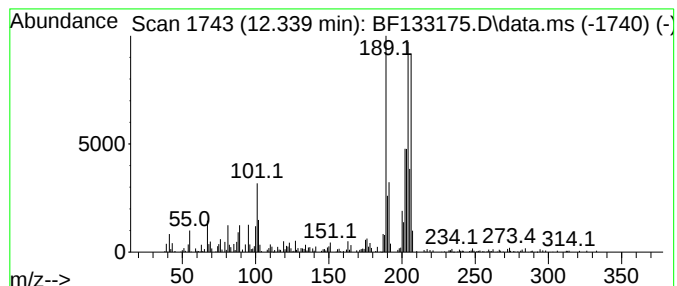
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown12.339 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	6.35 ng	370192	Phenanthrene-d10	11.251

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
2		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	38
4		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

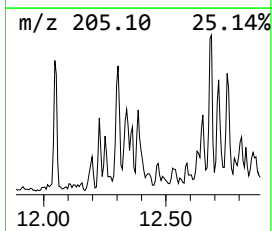
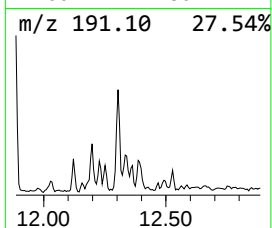
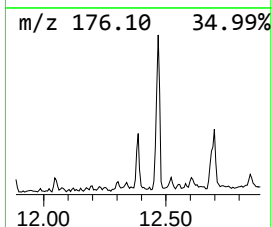
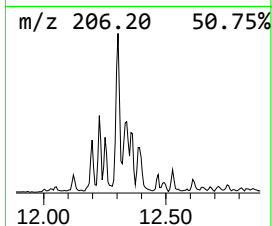
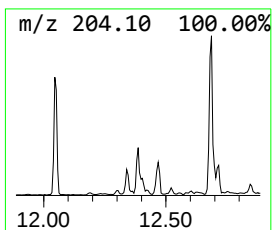
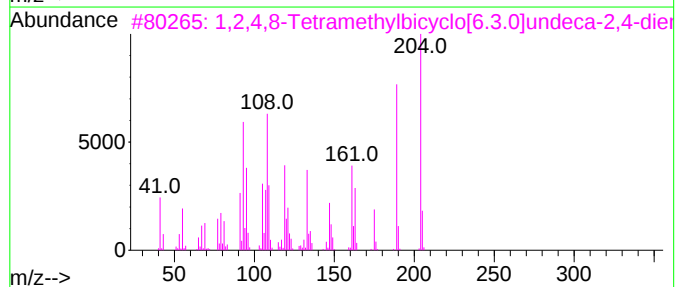
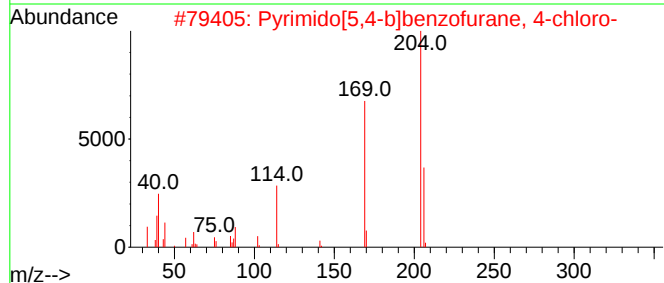
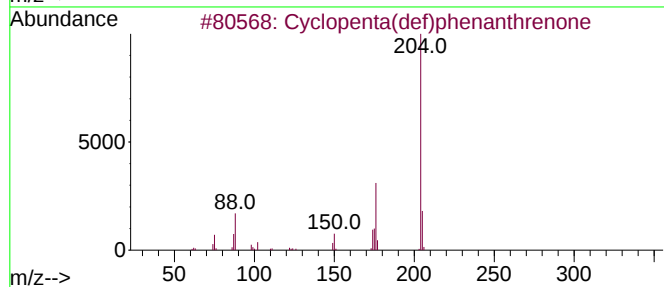
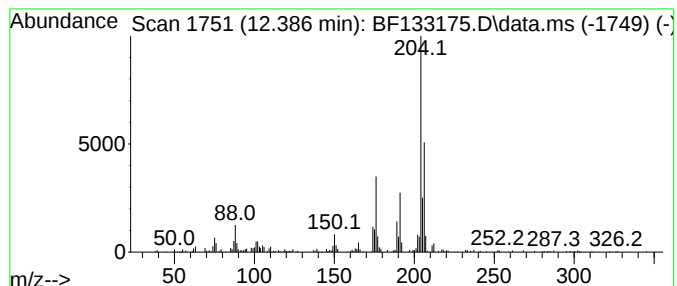
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Cyclopenta(def)phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.386	4.11 ng	239945	Phenanthrene-d10	11.251

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrene	204	C15H8O	005737-13-3	60
2			Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	46
3			1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4			9,10-Dimethylantracene	206	C16H14	000781-43-1	42
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

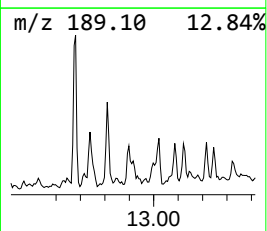
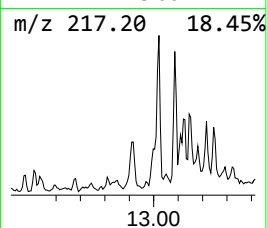
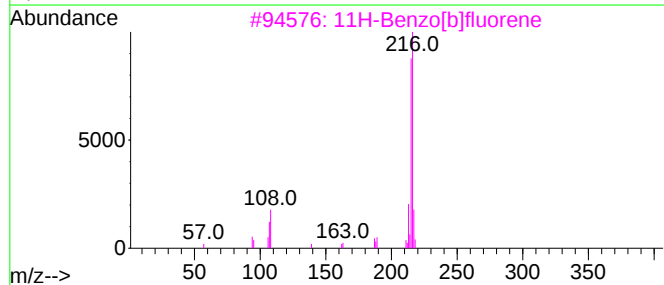
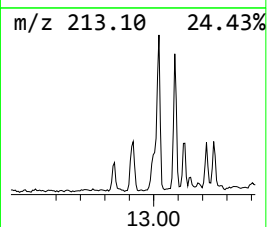
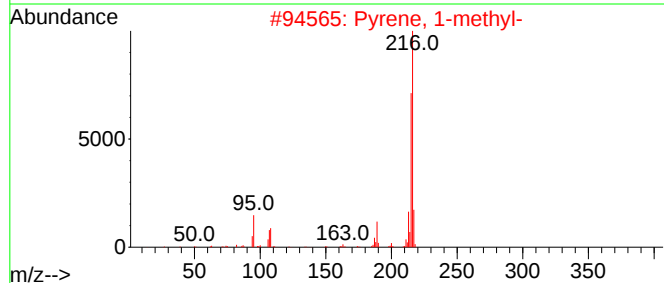
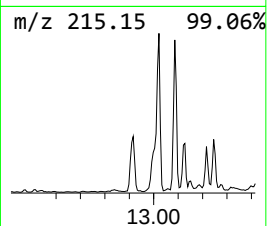
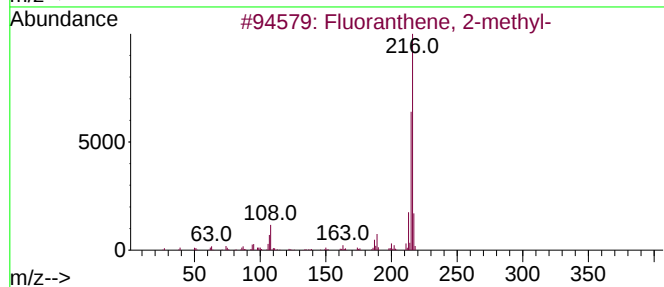
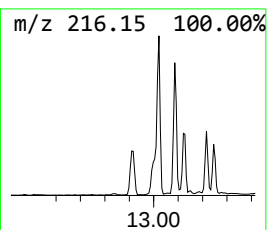
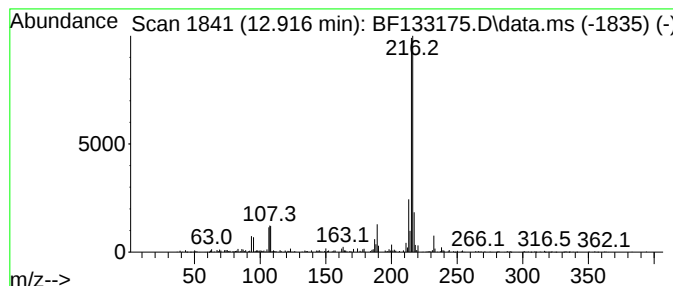
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.916	3.54 ng	567239	Chrysene-d12	13.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

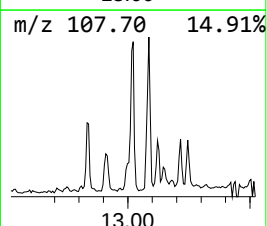
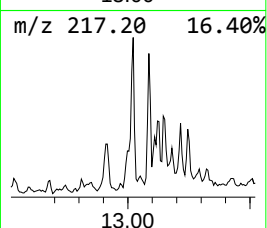
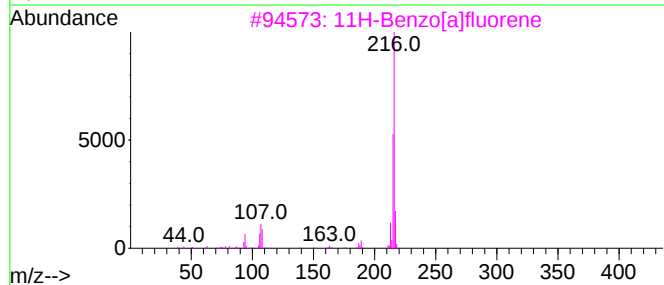
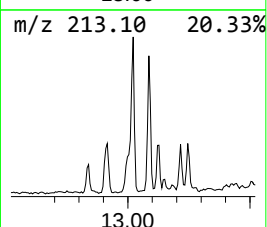
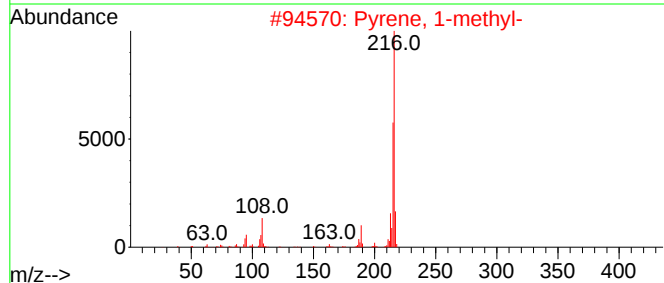
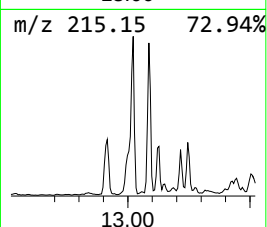
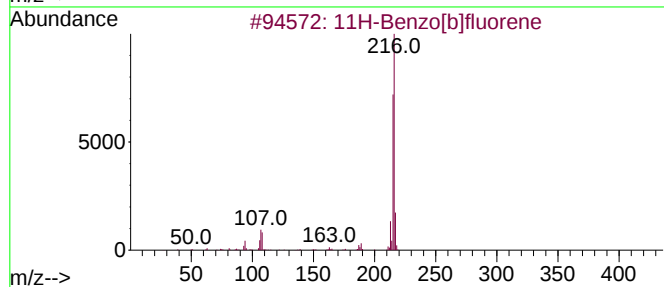
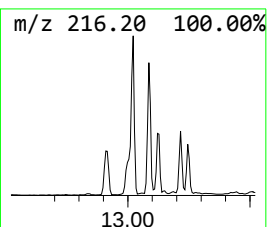
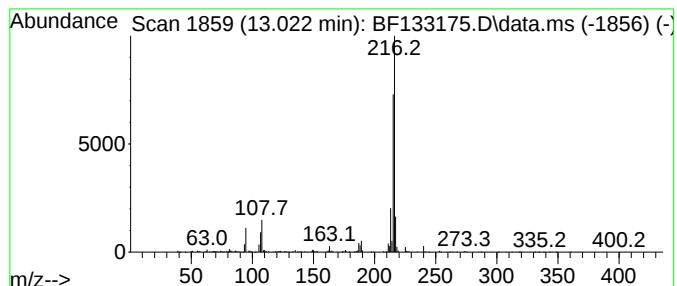
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.022	5.70 ng	913785	Chrysene-d12	13.892

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

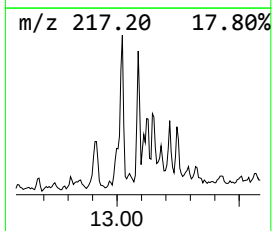
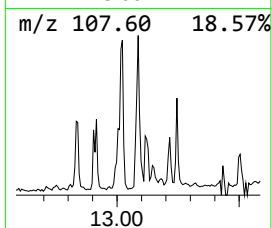
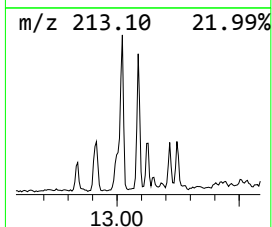
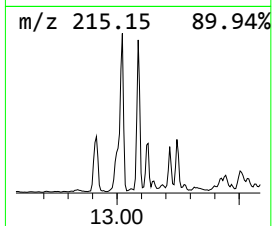
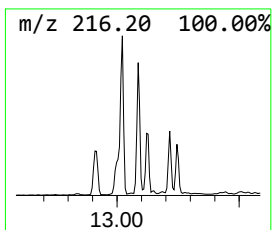
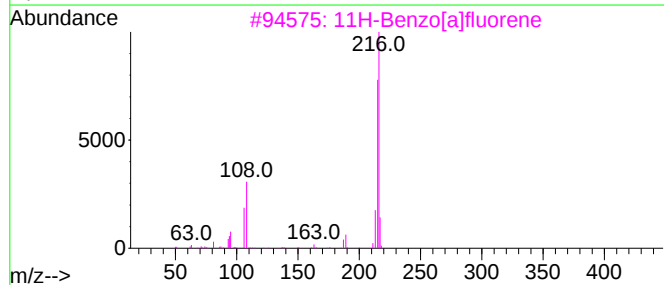
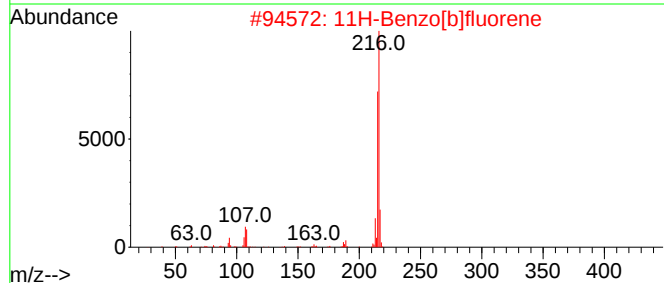
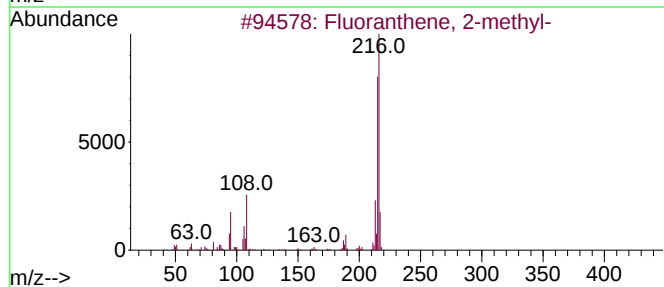
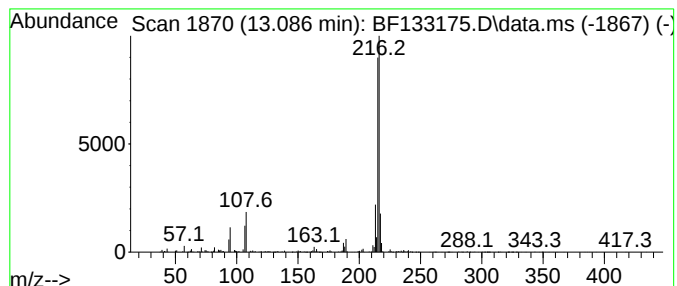
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.086	4.52 ng	725164	Chrysene-d12	13.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

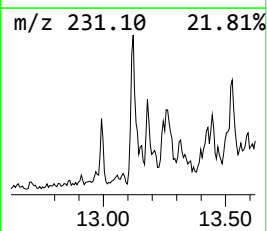
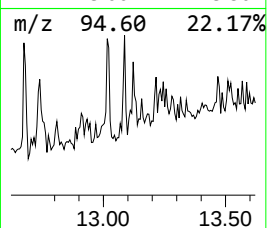
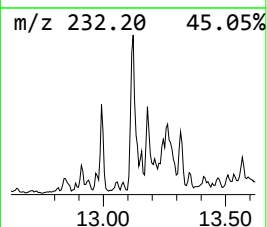
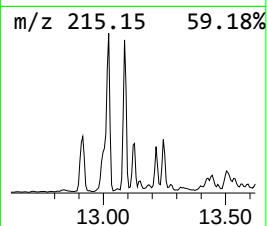
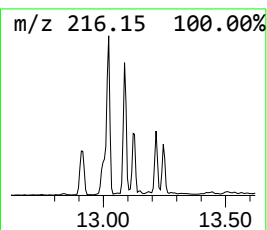
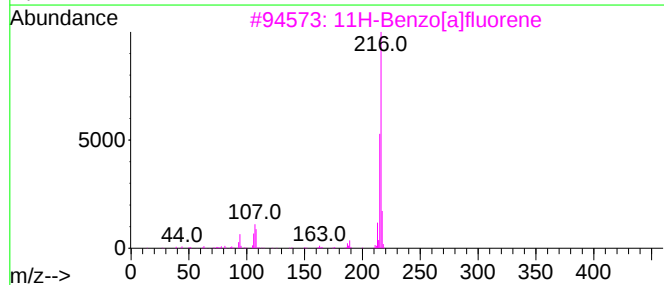
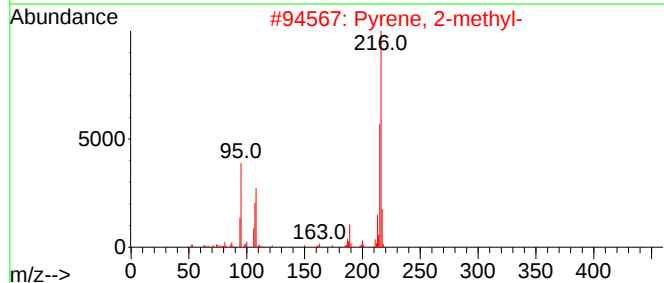
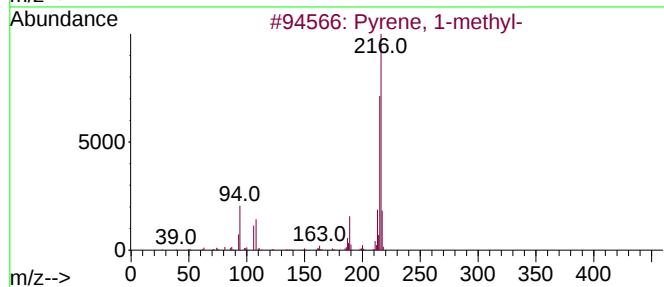
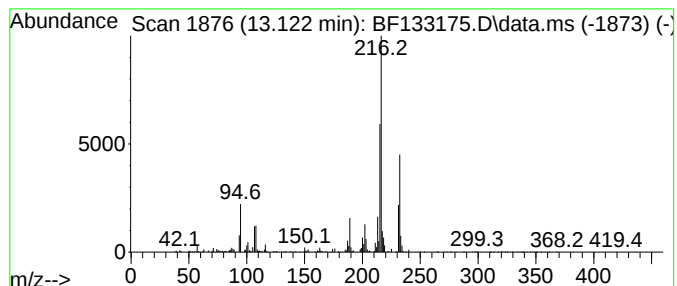
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	3.30 ng	529596	Chrysene-d12	13.892

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	60
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	55
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	50
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133175.D
Acq On : 02 May 2023 01:25
Operator : CG\JU
Sample : 02562-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-04282023

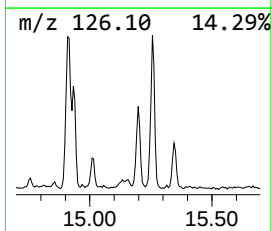
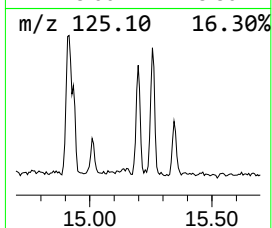
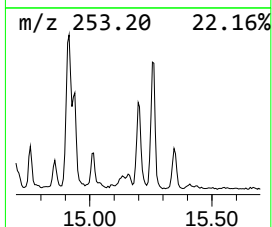
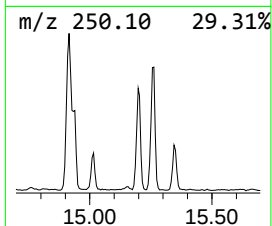
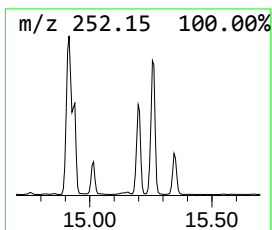
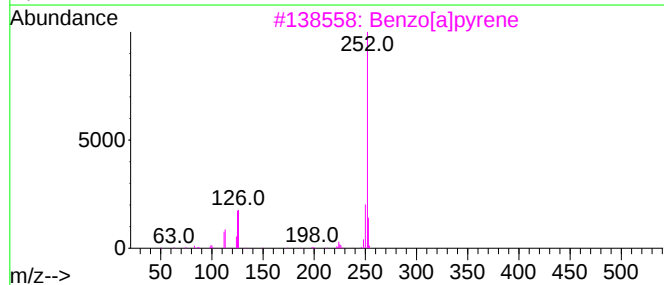
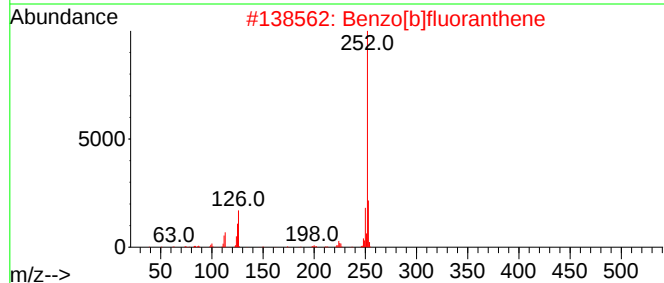
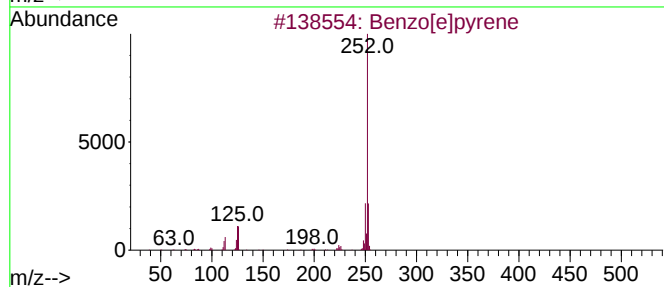
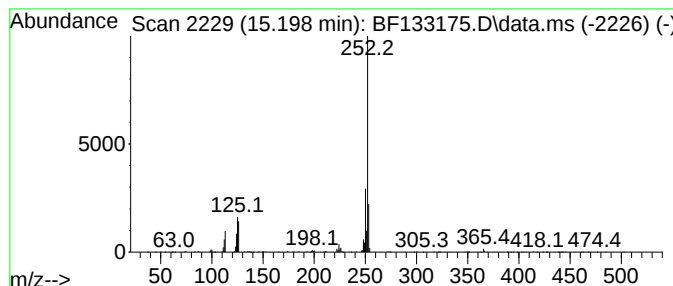
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.198	32.28 ng	1035180	Perylene-d12	15.316

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
3		Benzo[a]pyrene	252	C20H12	000050-32-8	94
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133175.D
 Acq On : 02 May 2023 01:25
 Operator : CG\JU
 Sample : 02562-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-04282023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown9.175	9.175	2.9	ng	183538	3	9.769	1275980	20.0
Benzophenone	10.480	8.5	ng	539997	3	9.769	1275980	20.0
Tetradecane	10.681	4.3	ng	250435	4	11.251	1166450	20.0
9H-Fluorene, 2-...	10.863	3.6	ng	208403	4	11.251	1166450	20.0
Dibenzothiophene	11.145	7.9	ng	459340	4	11.251	1166450	20.0
Anthracene, 2-m...	11.751	8.5	ng	494196	4	11.251	1166450	20.0
Phenanthrene, 2...	11.780	17.6	ng	1024490	4	11.251	1166450	20.0
Phenanthrene, 1...	11.828	4.3	ng	250446	4	11.251	1166450	20.0
4H-Cyclopenta[d...	11.863	22.4	ng	1307630	4	11.251	1166450	20.0
Phenanthrene, 3...	11.886	3.9	ng	225885	4	11.251	1166450	20.0
Naphthalene, 2-...	12.045	5.7	ng	333294	4	11.251	1166450	20.0
9,10-Anthracene...	12.069	4.6	ng	270373	4	11.251	1166450	20.0
Phenanthrene, 2...	12.304	7.1	ng	412744	4	11.251	1166450	20.0
unknown12.339	12.339	6.3	ng	370192	4	11.251	1166450	20.0
Cyclopenta(def)...	12.386	4.1	ng	239945	4	11.251	1166450	20.0
Fluoranthene, 2...	12.916	3.5	ng	567239	5	13.892	3205950	20.0
11H-Benzo[b]flu...	13.022	5.7	ng	913785	5	13.892	3205950	20.0
11H-Benzo[a]flu...	13.086	4.5	ng	725164	5	13.892	3205950	20.0
Pyrene, 1-methyl-	13.121	3.3	ng	529596	5	13.892	3205950	20.0
Benzo[e]pyrene	15.198	32.3	ng	1035180	6	15.316	641399	20.0