

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135966.D
 Acq On : 26 Oct 2023 16:37
 Operator : CG\JU
 Sample : 05039-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MMFB-3

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-BF102523.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135966.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.051	499	504	511	rBV	94612	110017	3.39%	0.205%
2	5.451	562	572	575	rBV	3180653	3021779	93.10%	5.626%
3	6.451	733	742	745	rBV	3038043	2958661	91.16%	5.508%
4	6.651	773	776	781	rBV3	82757	122394	3.77%	0.228%
5	6.822	802	805	812	rVB	1271288	1019453	31.41%	1.898%
6	7.386	891	901	903	rBV	2069918	1931628	59.52%	3.596%
7	7.422	903	907	911	rVV	130290	111181	3.43%	0.207%
8	8.104	1018	1023	1025	rBV	1694250	1520698	46.85%	2.831%
9	8.122	1025	1026	1029	rVV	557900	378730	11.67%	0.705%
10	8.528	1091	1095	1097	rBV2	102869	96693	2.98%	0.180%
11	8.610	1106	1109	1112	rBV2	101836	89364	2.75%	0.166%
12	8.698	1121	1124	1127	rBV	266258	241571	7.44%	0.450%
13	8.816	1141	1144	1147	rVB	605821	447879	13.80%	0.834%
14	8.916	1156	1161	1165	rBV	597292	524334	16.16%	0.976%
15	9.133	1195	1198	1203	rBV2	124945	104072	3.21%	0.194%
16	9.180	1203	1206	1210	rVB	3627675	3245611	100.00%	6.042%
17	9.269	1217	1221	1225	rBV2	396152	441045	13.59%	0.821%
18	9.375	1237	1239	1245	rVB	143625	171230	5.28%	0.319%
19	9.445	1247	1251	1255	rVB	258255	361574	11.14%	0.673%
20	9.516	1260	1263	1266	rVV	458447	477959	14.73%	0.890%
21	9.545	1266	1268	1271	rVV	347595	278805	8.59%	0.519%
22	9.586	1271	1275	1278	rVV4	213852	295997	9.12%	0.551%
23	9.633	1281	1283	1288	rVB2	249552	293659	9.05%	0.547%
24	9.722	1295	1298	1303	rVB	326158	311534	9.60%	0.580%
25	9.798	1309	1311	1316	rVB	443097	351743	10.84%	0.655%
26	9.863	1316	1322	1324	rBV	1475709	1438019	44.31%	2.677%
27	9.892	1324	1327	1331	rVV	424859	388396	11.97%	0.723%
28	9.969	1337	1340	1344	rVB2	151598	179059	5.52%	0.333%
29	10.039	1348	1352	1353	rVV5	94096	135902	4.19%	0.253%
30	10.063	1353	1356	1359	rVV2	295899	279785	8.62%	0.521%
31	10.104	1359	1363	1365	rVV	160135	173945	5.36%	0.324%
32	10.127	1365	1367	1371	rVV4	115350	130381	4.02%	0.243%
33	10.180	1371	1376	1378	rVV3	144008	171229	5.28%	0.319%
34	10.204	1378	1380	1383	rVB	123568	94144	2.90%	0.175%
35	10.269	1387	1391	1393	rVV3	120932	136685	4.21%	0.254%
36	10.304	1394	1397	1400	rVV2	487934	427910	13.18%	0.797%

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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-BF102523.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.357	1404	1406	1409	rVV3	97292	108543	3.34%	0.202%
38	10.410	1411	1415	1418	rVV	504655	474079	14.61%	0.883%
39	10.475	1421	1426	1428	rVV2	128767	161123	4.96%	0.300%
40	10.498	1428	1430	1431	rVV2	120993	97995	3.02%	0.182%
41	10.522	1431	1434	1437	rVV	273386	306849	9.45%	0.571%
42	10.569	1439	1442	1446	rVB3	135503	160585	4.95%	0.299%
43	10.651	1452	1456	1460	rVB	1652520	1486134	45.79%	2.767%
44	10.780	1475	1478	1485	rBV2	527250	715901	22.06%	1.333%
45	10.963	1504	1509	1511	rBV2	157621	238914	7.36%	0.445%
46	10.986	1511	1513	1515	rVB2	165466	126879	3.91%	0.236%
47	11.039	1520	1522	1525	rVB2	130713	118582	3.65%	0.221%
48	11.110	1531	1534	1538	rVV3	105084	143211	4.41%	0.267%
49	11.157	1539	1542	1546	rVB2	114597	123420	3.80%	0.230%
50	11.227	1552	1554	1556	rVV	442417	429305	13.23%	0.799%
51	11.245	1556	1557	1566	rVB2	459397	538590	16.59%	1.003%
52	11.351	1572	1575	1577	rBV	1169175	1017032	31.34%	1.893%
53	11.380	1577	1580	1583	rVV	2339383	2150741	66.27%	4.004%
54	11.427	1583	1588	1591	rVV	750707	635428	19.58%	1.183%
55	11.457	1591	1593	1599	rVV3	67460	110538	3.41%	0.206%
56	11.657	1624	1627	1630	rBV2	415808	389195	11.99%	0.725%
57	11.686	1630	1632	1635	rVB	290245	233217	7.19%	0.434%
58	11.763	1642	1645	1649	rVB2	286295	348121	10.73%	0.648%
59	11.857	1658	1661	1663	rVV	664138	567898	17.50%	1.057%
60	11.886	1663	1666	1670	rVB	806429	723736	22.30%	1.347%
61	11.933	1670	1674	1676	rBV	256710	252933	7.79%	0.471%
62	11.969	1676	1680	1682	rBV	880841	907207	27.95%	1.689%
63	11.992	1682	1684	1690	rVB	570619	450806	13.89%	0.839%
64	12.069	1694	1697	1699	rBV	282016	208214	6.42%	0.388%
65	12.092	1699	1701	1703	rVB2	123027	93548	2.88%	0.174%
66	12.157	1706	1712	1714	rBV	365325	436105	13.44%	0.812%
67	12.286	1731	1734	1735	rBV2	100298	88646	2.73%	0.165%
68	12.304	1735	1737	1740	rVV	124006	119320	3.68%	0.222%
69	12.333	1740	1742	1744	rVV	153756	128380	3.96%	0.239%
70	12.357	1744	1746	1749	rVB	197946	165568	5.10%	0.308%
71	12.410	1752	1755	1758	rBV	415767	425709	13.12%	0.793%
72	12.451	1758	1762	1763	rVV3	492623	533593	16.44%	0.993%
73	12.492	1767	1769	1774	rVB3	203928	279782	8.62%	0.521%
74	12.569	1779	1782	1786	rBV	1484038	1374947	42.36%	2.560%
75	12.621	1789	1791	1796	rVB3	115121	119371	3.68%	0.222%
76	12.663	1796	1798	1803	rBV2	119431	128491	3.96%	0.239%

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Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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77	12.721	1806	1808	1812	rVV3	140111	154695	4.77%	0.288%
78	12.804	1816	1822	1825	rBV	2312735	2188559	67.43%	4.074%
79	12.839	1826	1828	1830	rVB	158743	111591	3.44%	0.208%
80	12.951	1843	1847	1854	rVV	2858994	2647440	81.57%	4.929%
81	13.021	1856	1859	1862	rVV2	265462	336509	10.37%	0.626%
82	13.074	1866	1868	1871	rVV2	131622	156321	4.82%	0.291%
83	13.110	1871	1874	1875	rVV3	237210	291853	8.99%	0.543%
84	13.133	1875	1878	1881	rVB	475620	468359	14.43%	0.872%
85	13.198	1886	1889	1892	rVB	516567	421054	12.97%	0.784%
86	13.233	1892	1895	1899	rBV2	422666	447861	13.80%	0.834%
87	13.327	1908	1911	1914	rVB	359679	303203	9.34%	0.564%
88	13.357	1914	1916	1920	rVB	337929	309249	9.53%	0.576%
89	13.398	1921	1923	1928	rBV4	96969	107708	3.32%	0.201%
90	13.545	1945	1948	1953	rBV3	209635	235265	7.25%	0.438%
91	13.751	1979	1983	1986	rBV2	330478	468423	14.43%	0.872%
92	13.786	1986	1989	1991	rVV	195216	166667	5.14%	0.310%
93	14.004	2022	2026	2029	rBV2	1455859	1944720	59.92%	3.620%
94	14.033	2029	2031	2033	rVB	901663	656010	20.21%	1.221%
95	14.398	2091	2093	2096	rVB	278658	221177	6.81%	0.412%
96	15.062	2202	2206	2209	rBV	379367	654281	20.16%	1.218%
97	15.168	2222	2224	2229	rVB2	242011	245765	7.57%	0.458%
98	15.368	2255	2258	2262	rVB	342040	387848	11.95%	0.722%
99	15.433	2265	2269	2273	rVV	454547	593156	18.28%	1.104%
100	15.498	2276	2280	2283	rVB	537764	614859	18.94%	1.145%

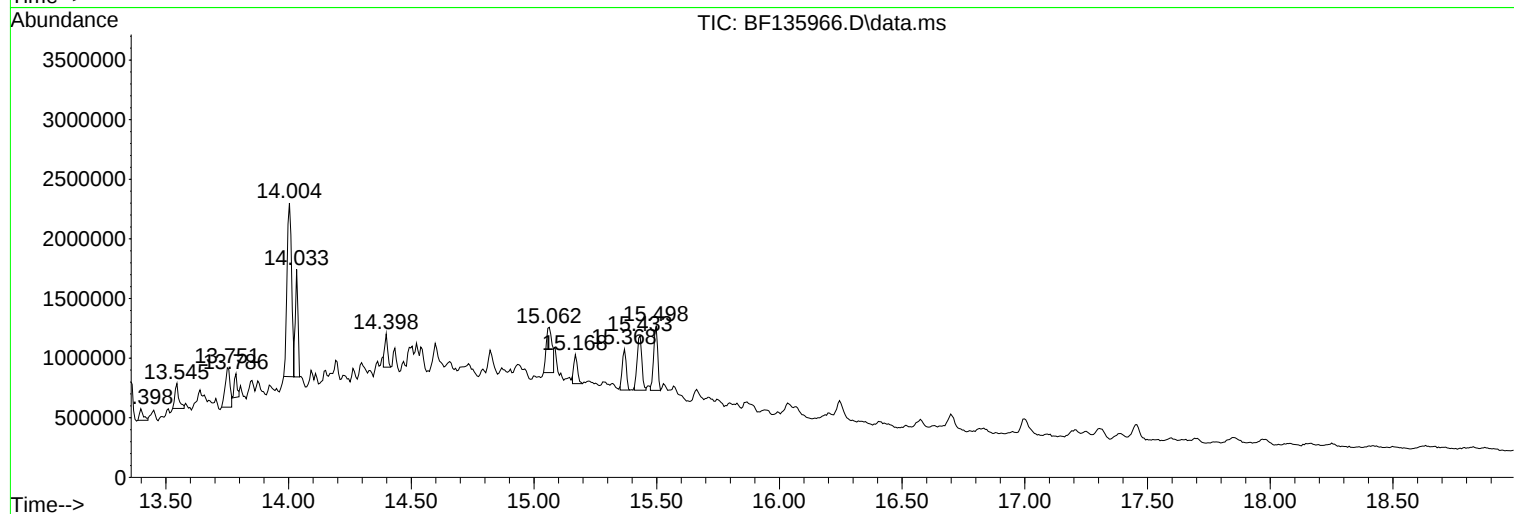
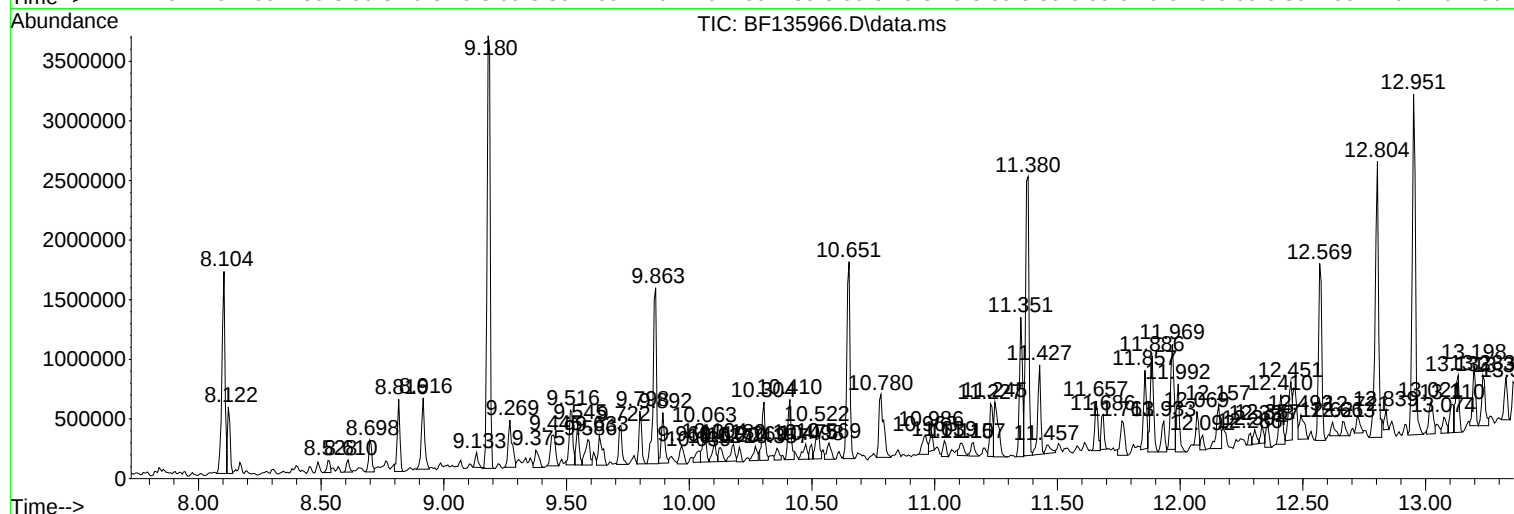
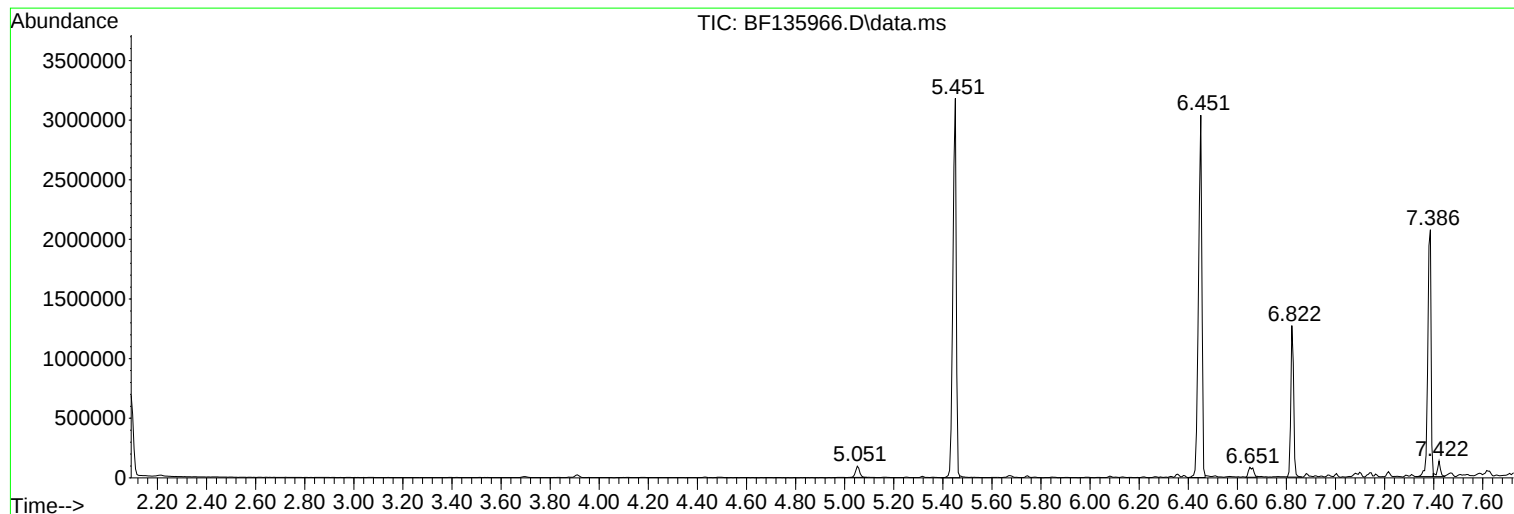
Sum of corrected areas: 53714275

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Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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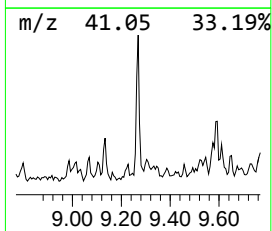
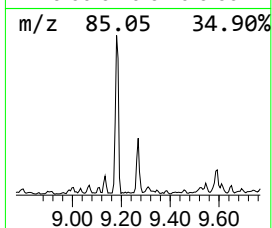
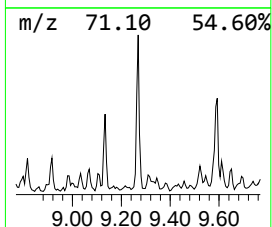
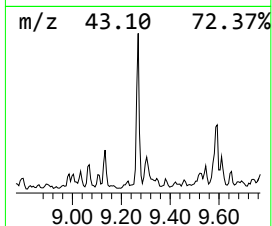
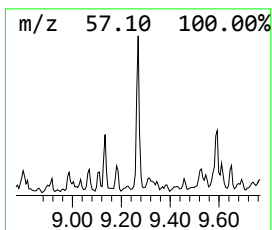
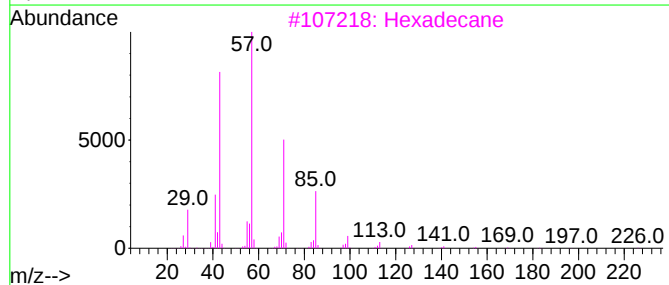
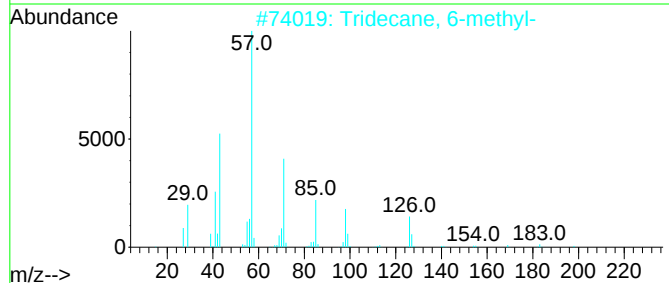
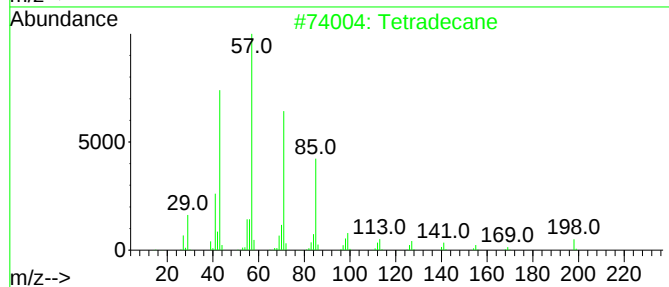
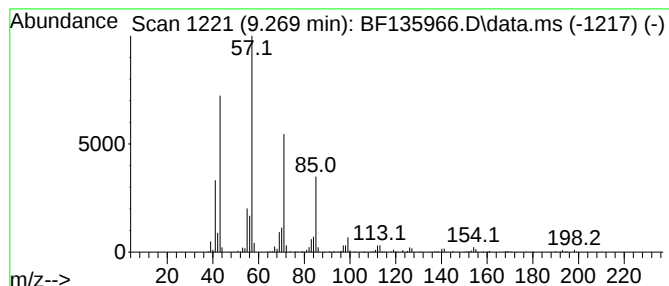
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Tetradecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.269	6.13 ng	441045	Acenaphthene-d10	9.863

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	93
2		Tridecane, 6-methyl-	198	C14H30	013287-21-3	91
3		Hexadecane	226	C16H34	000544-76-3	90
4		Nonadecane	268	C19H40	000629-92-5	86
5		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	80



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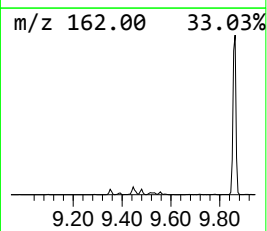
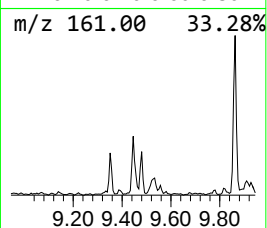
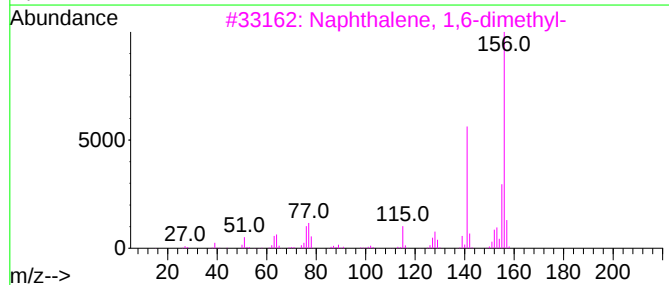
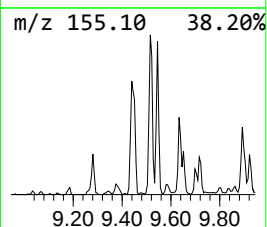
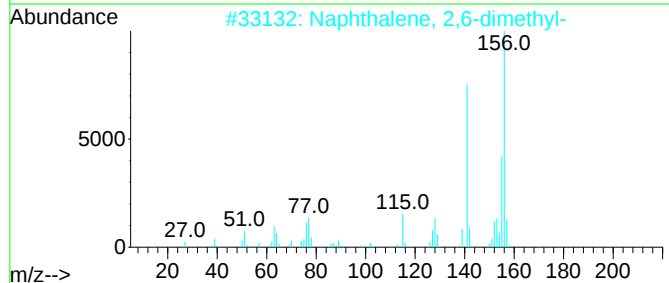
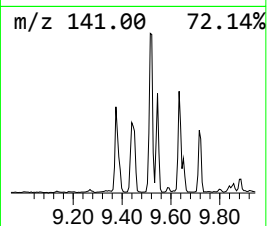
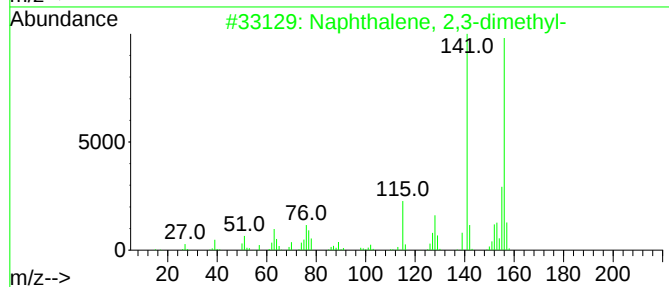
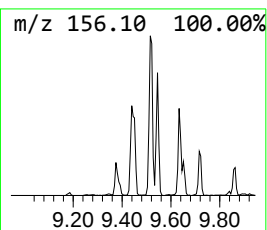
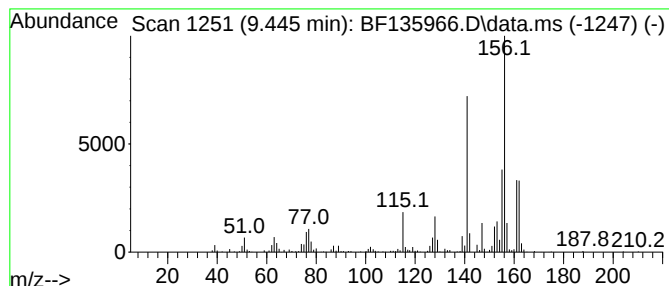
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.445	5.03 ng	361574	Acenaphthene-d10	9.863

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95



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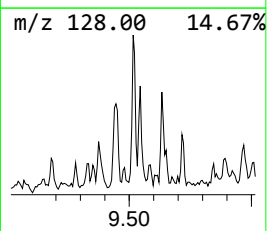
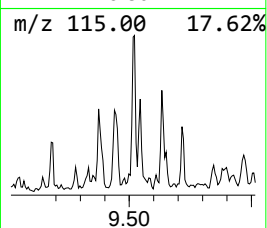
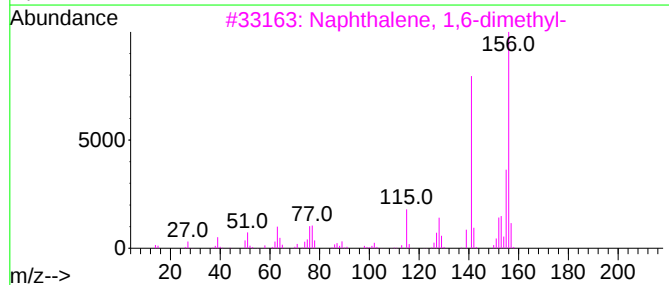
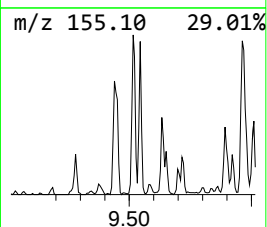
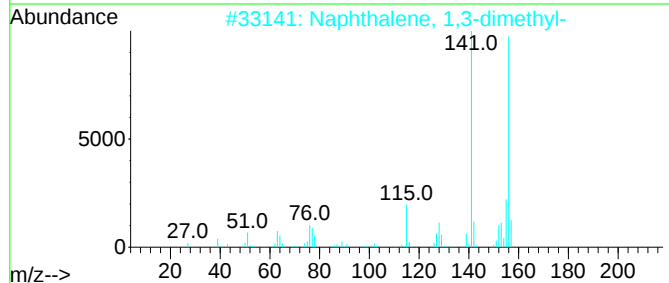
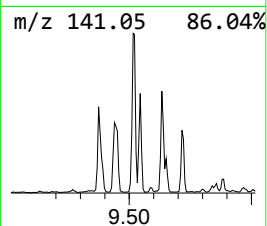
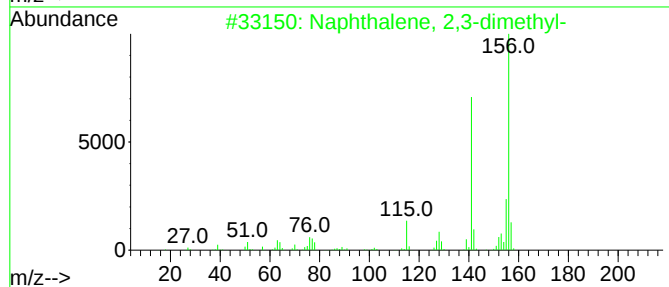
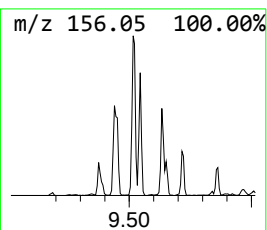
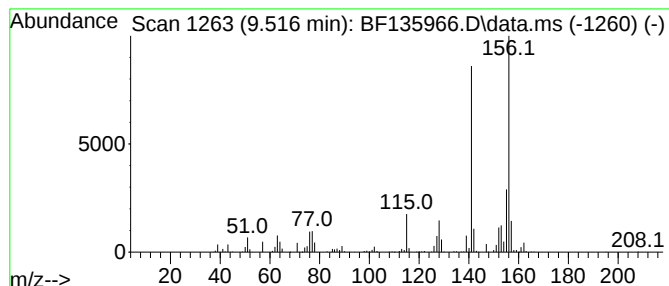
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.516	6.65 ng	477959	Acenaphthene-d10	9.863

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
Operator : CG\JU
Sample : 05039-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

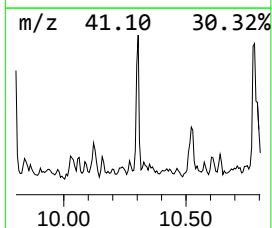
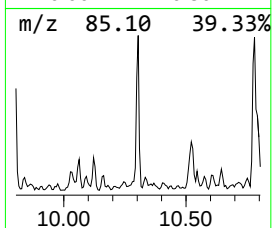
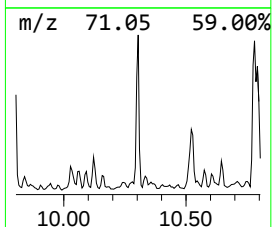
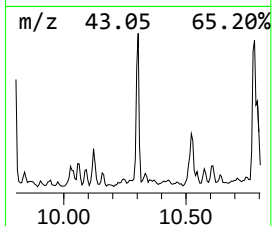
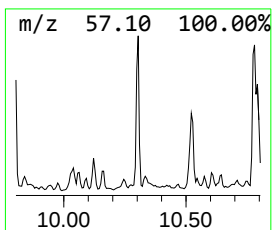
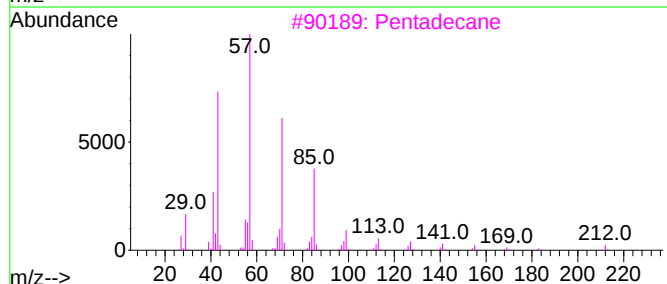
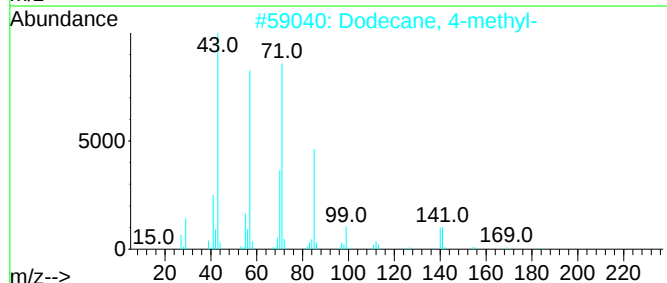
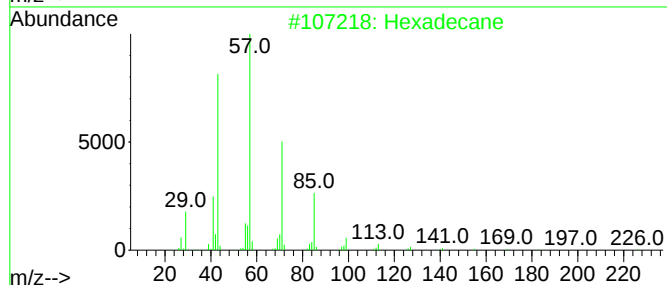
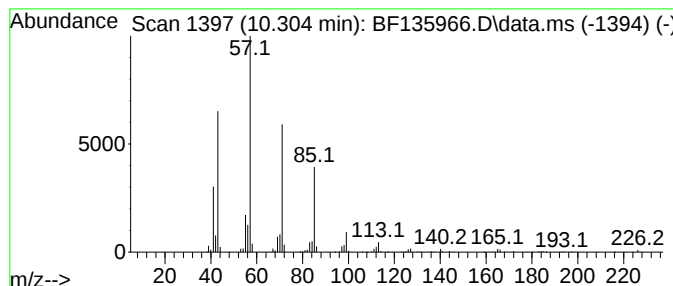
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.304	5.95 ng	427910	Acenaphthene-d10	9.863	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Dodecane, 4-methyl-	184	C13H28	006117-97-1	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Decane, 5-propyl-	184	C13H28	017312-62-8	87
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
Operator : CG\JU
Sample : 05039-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MMFB-3

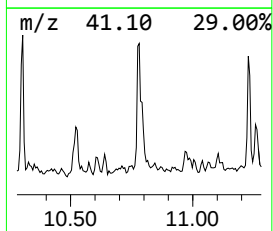
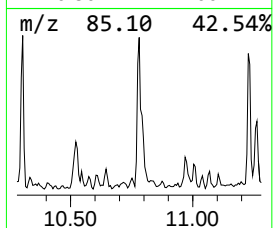
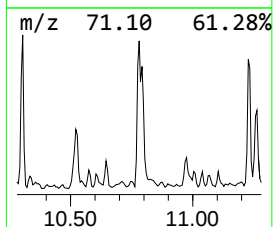
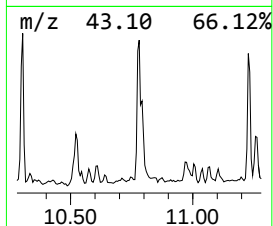
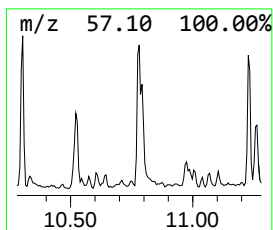
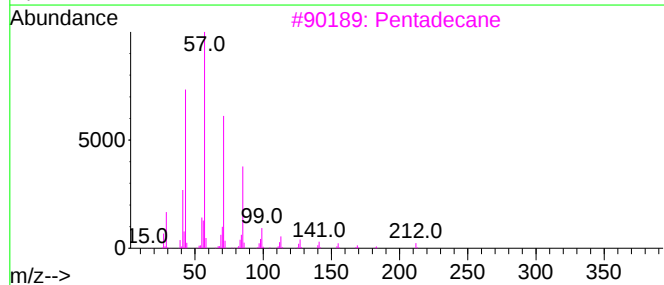
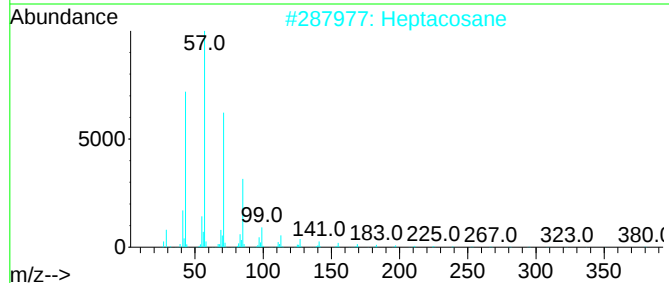
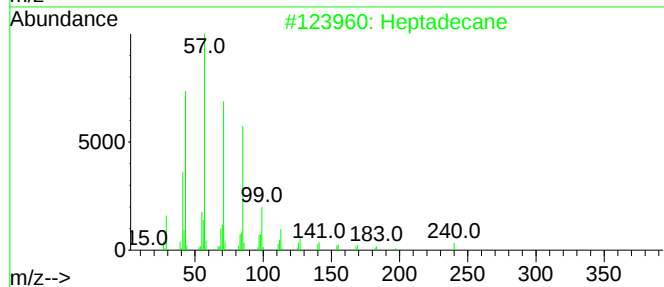
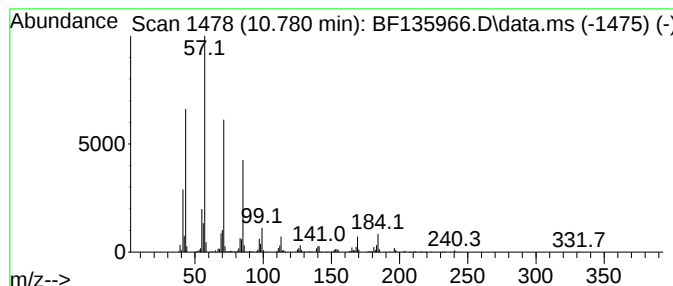
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Heptadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.780	14.08 ng	715901	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane	240	C17H36	000629-78-7	95
2			Heptacosane	380	C27H56	000593-49-7	87
3			Pentadecane	212	C15H32	000629-62-9	86
4			Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
5			Hexadecane	226	C16H34	000544-76-3	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
Operator : CG\JU
Sample : 05039-03
Misc :
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Instrument :
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ClientSampleId :
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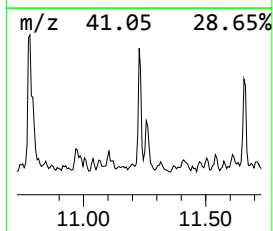
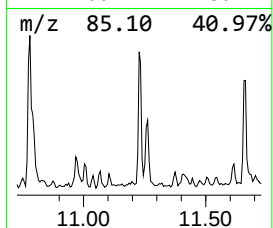
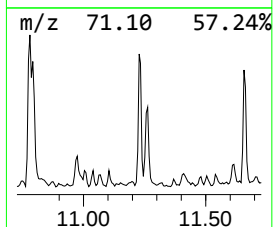
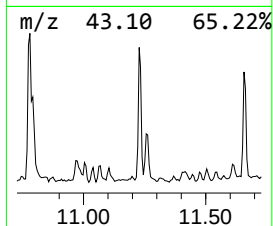
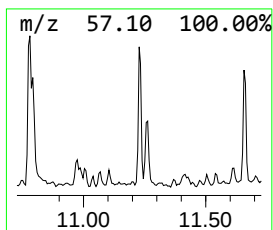
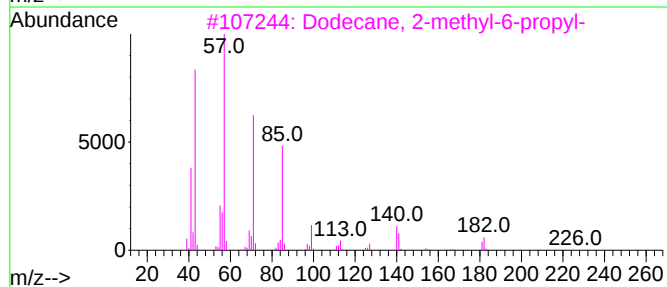
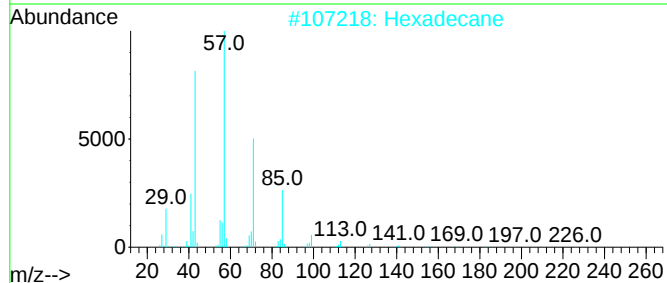
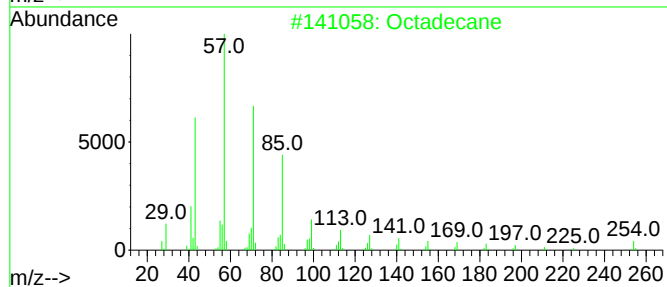
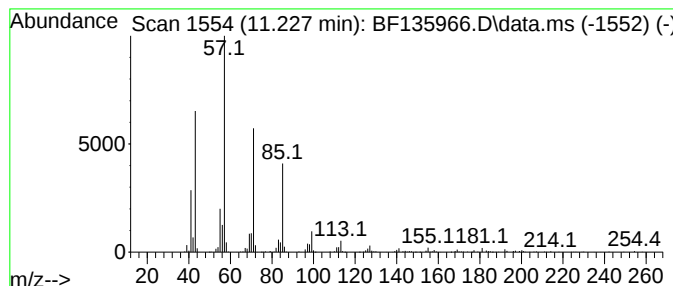
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	8.44 ng	429305	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane	254	C18H38	000593-45-3	93
2			Hexadecane	226	C16H34	000544-76-3	93
3			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	91
4			Heneicosane	296	C21H44	000629-94-7	90
5			Heptadecane	240	C17H36	000629-78-7	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
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Misc :
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Instrument :
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ClientSampleId :
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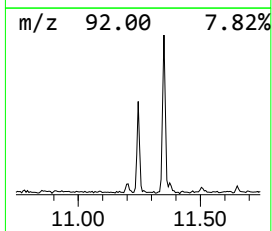
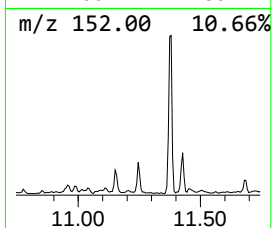
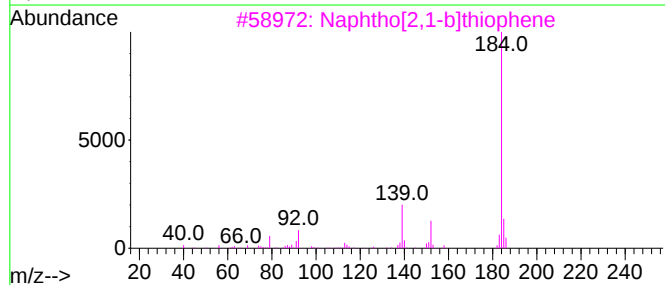
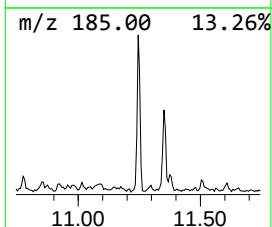
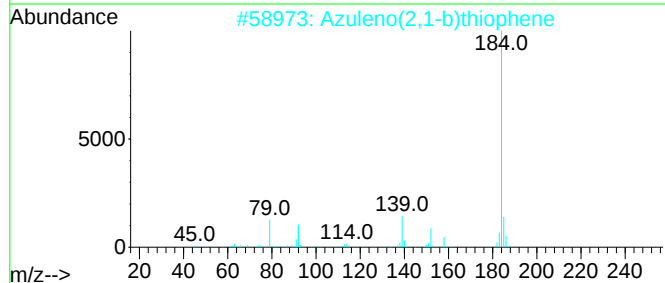
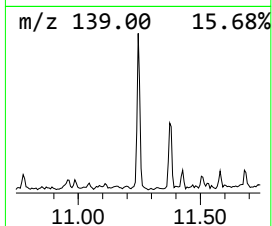
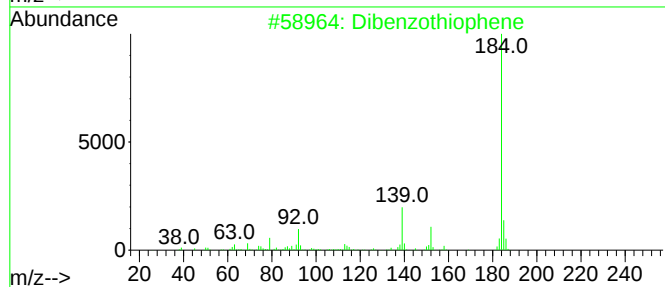
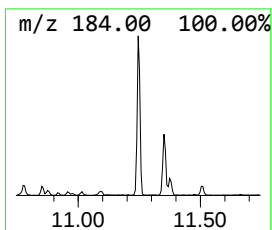
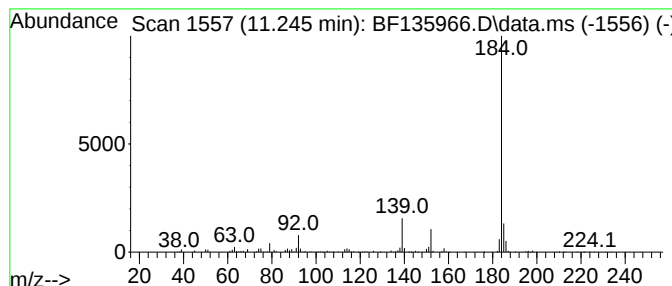
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.245	10.59 ng	538590	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	94
2			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
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Sample : 05039-03
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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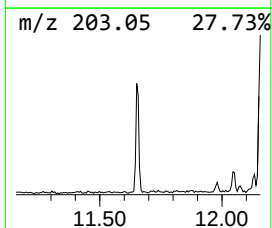
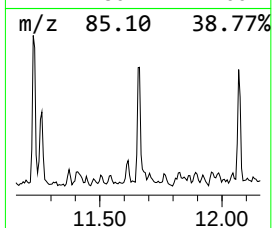
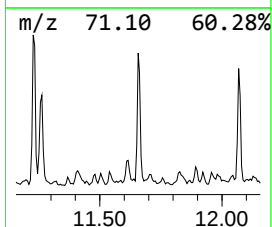
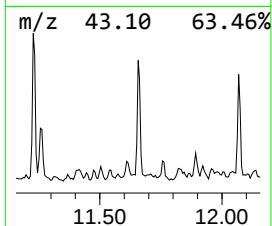
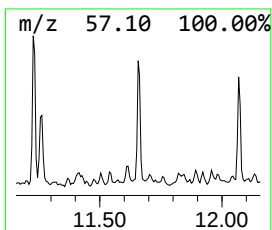
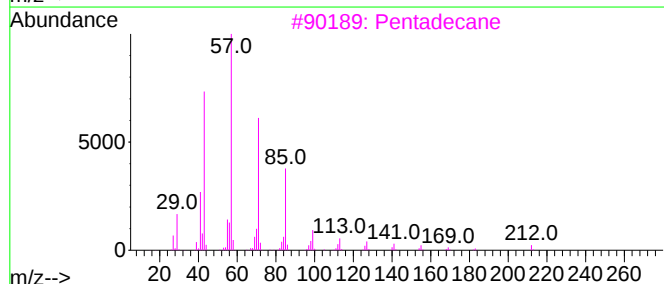
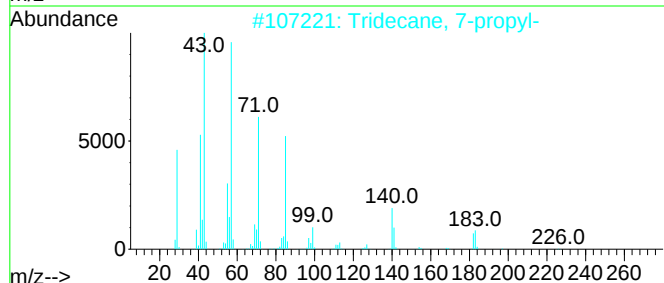
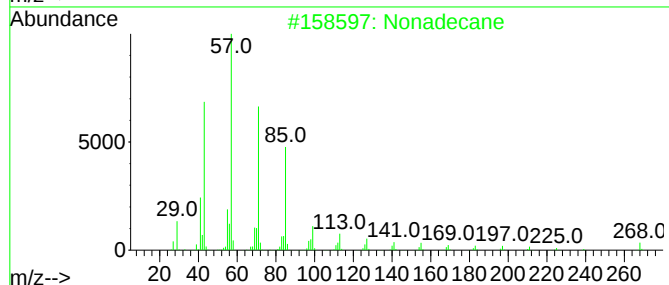
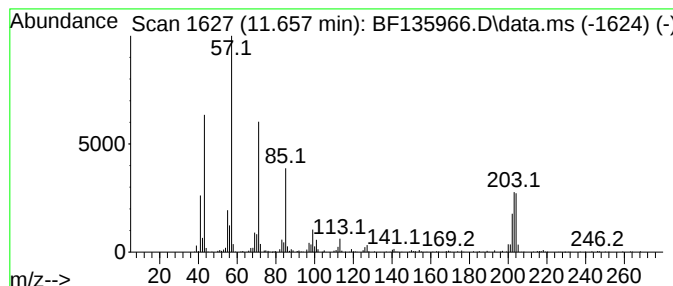
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Nonadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.657	7.65 ng	389195	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	91
2			Tridecane, 7-propyl-	226	C16H34	055045-09-5	60
3			Pentadecane	212	C15H32	000629-62-9	49
4			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	49
5			Eicosane	282	C20H42	000112-95-8	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
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Acq On : 26 Oct 2023 16:37
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ClientSampleId :
MMFB-3

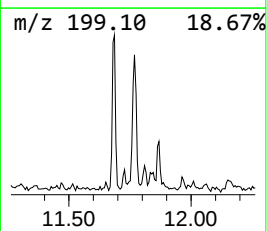
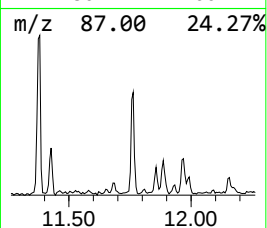
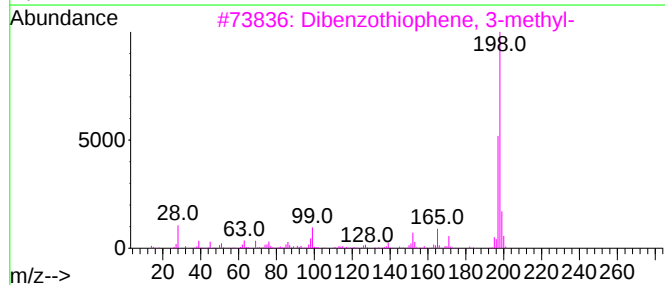
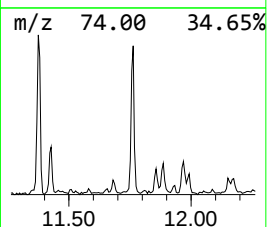
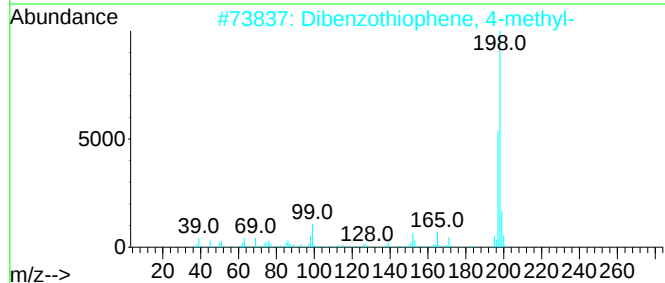
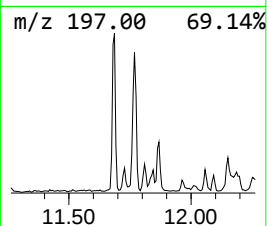
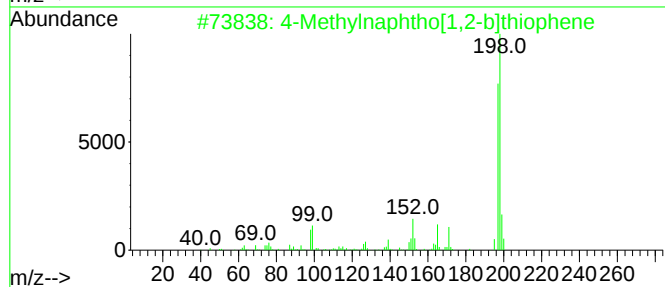
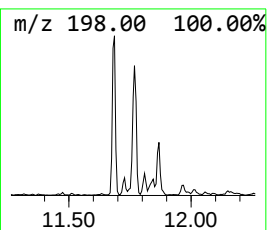
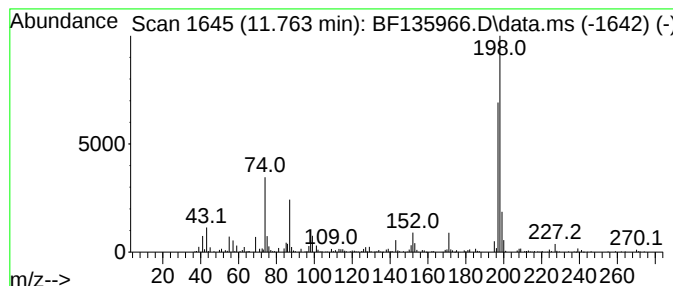
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.763	6.85 ng	348121	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	89
2			Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	76
3			Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76
4			2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	76
5			1-Methyldibenzothiophene	198	C13H10S	031317-07-4	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
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ALS Vial : 10 Sample Multiplier: 1

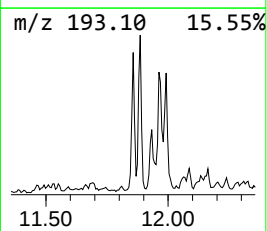
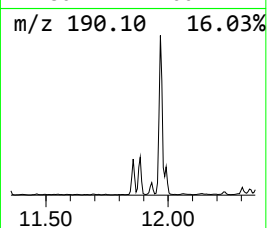
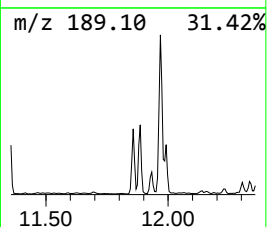
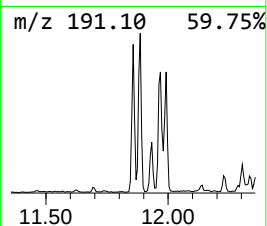
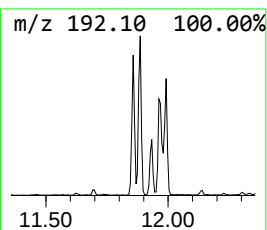
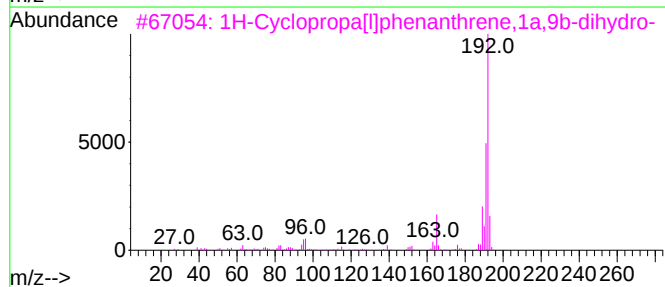
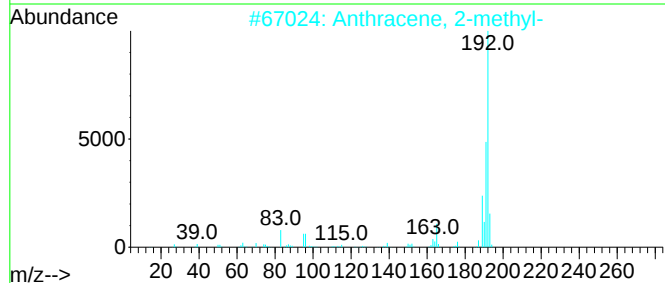
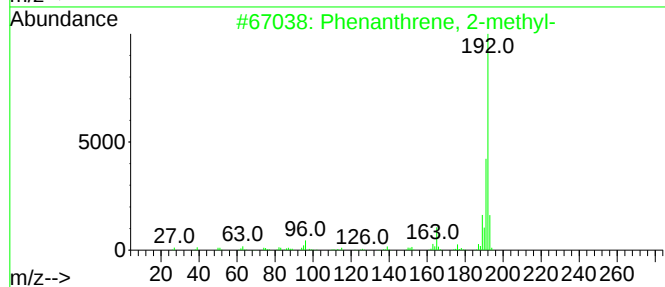
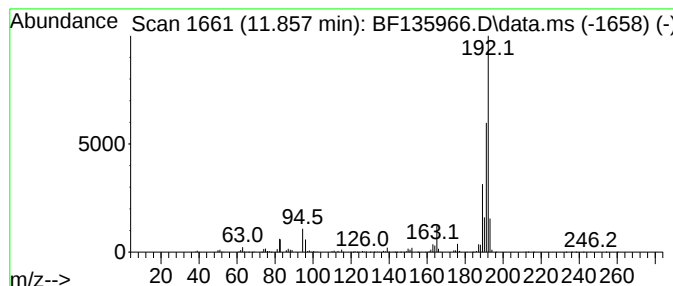
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ClientSampleId :
MMFB-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.857	11.17 ng	567898	Phenanthrene-d10		11.351	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-		192	C15H12	000613-12-7	96
3	1H-Cyclopropa[1]phenanthrene,1a,...		192	C15H12	000949-41-7	93
4	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	93
5	Phenanthrene, 3-methyl-		192	C15H12	000832-71-3	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
Operator : CG\JU
Sample : 05039-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

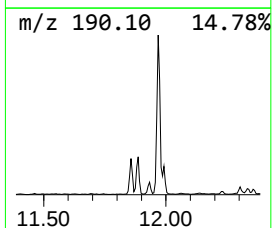
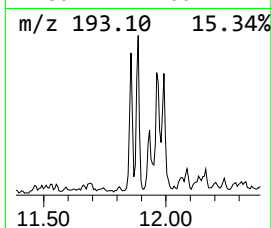
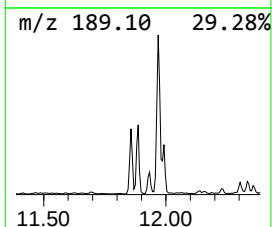
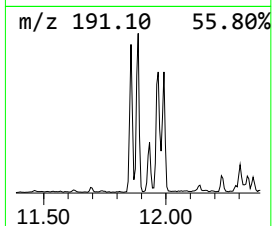
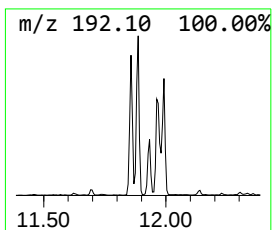
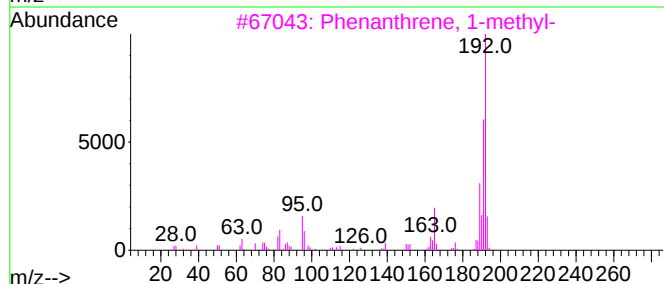
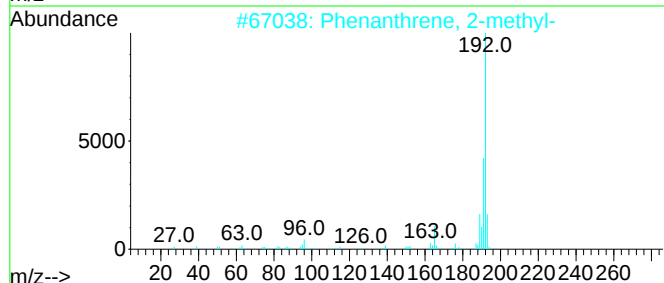
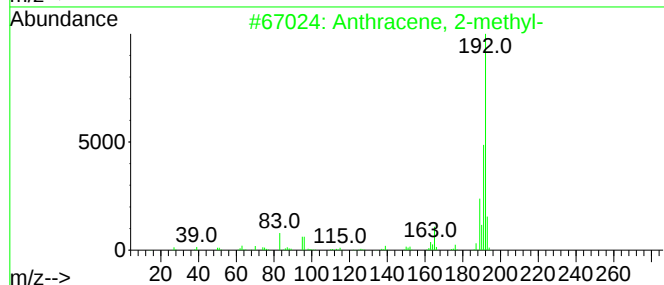
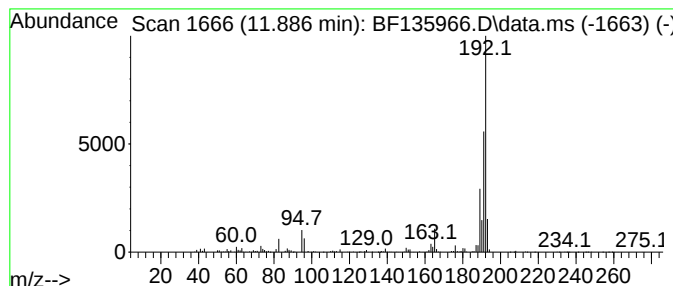
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.886	14.23 ng	723736	Phenanthrene-d10	11.351	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
Operator : CG\JU
Sample : 05039-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MMFB-3

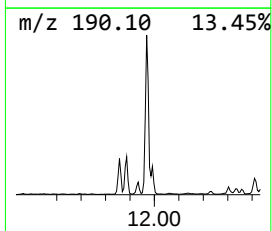
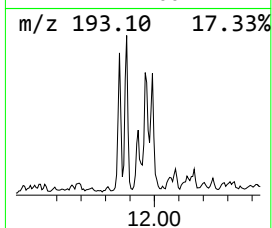
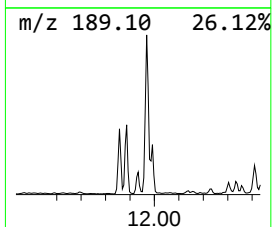
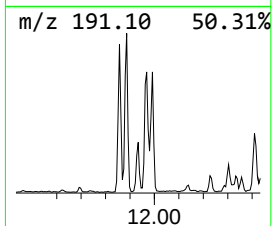
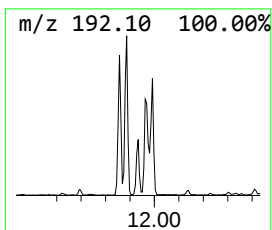
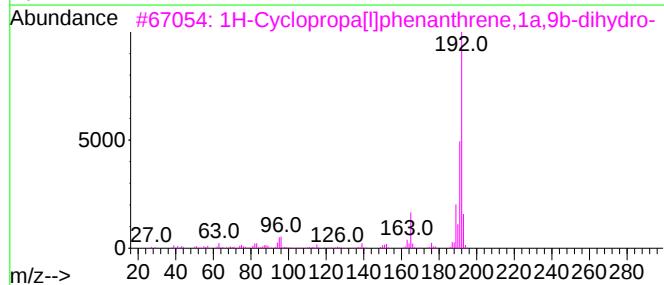
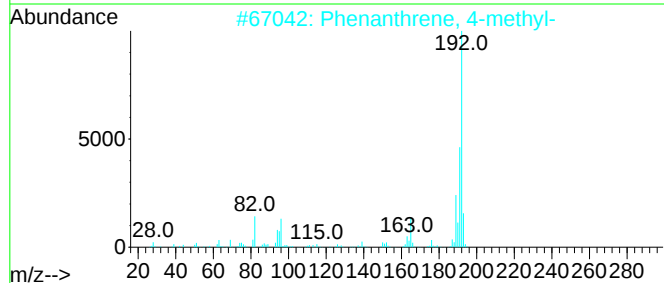
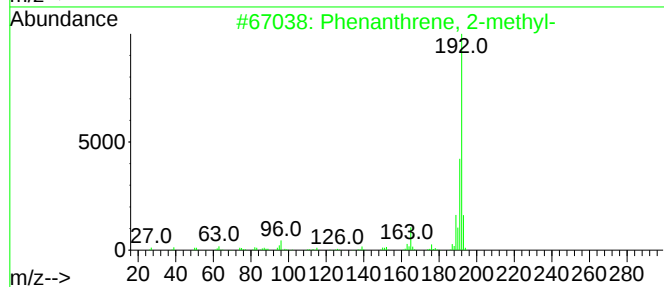
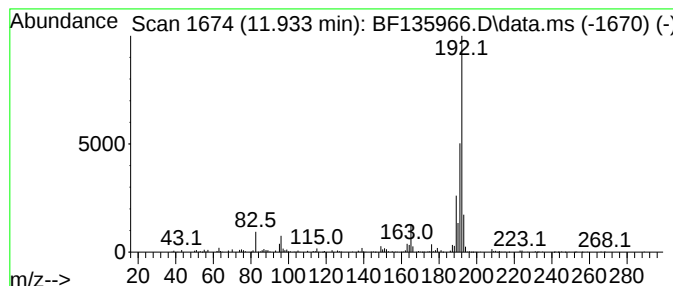
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	4.97 ng	252933	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
Operator : CG\JU
Sample : 05039-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MMFB-3

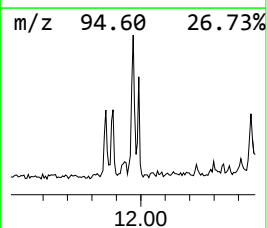
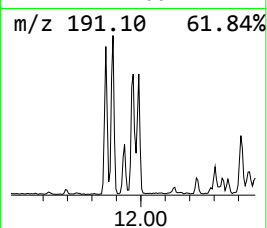
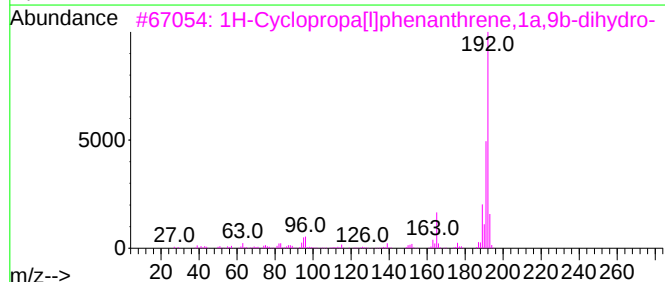
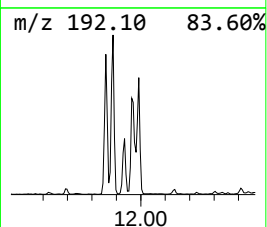
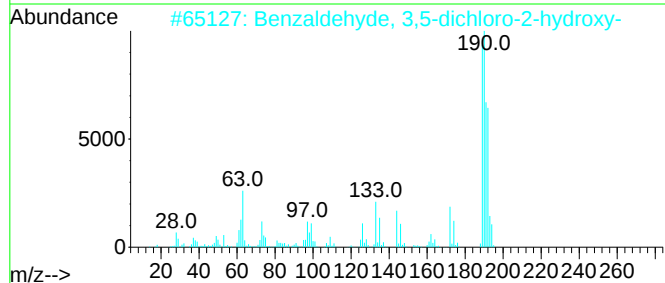
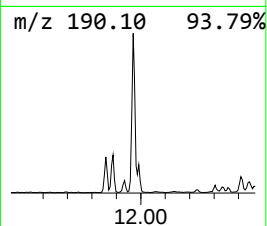
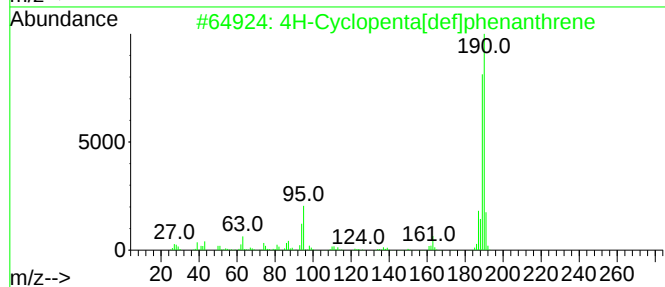
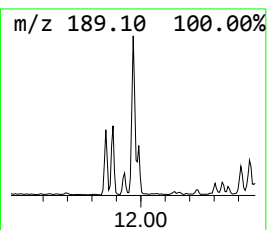
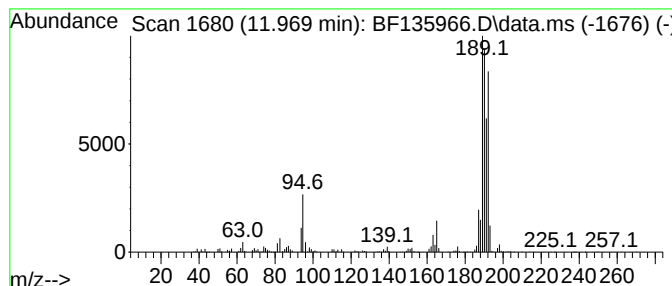
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	17.84 ng	907207	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2			Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	38
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
Operator : CG\JU
Sample : 05039-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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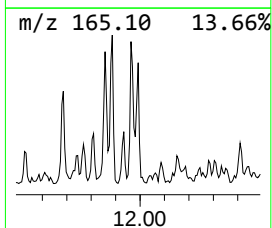
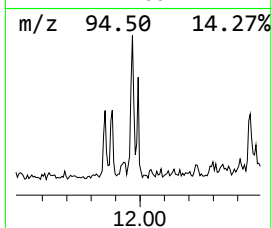
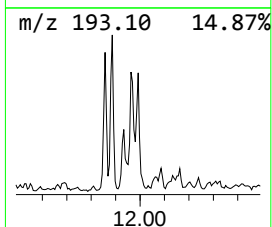
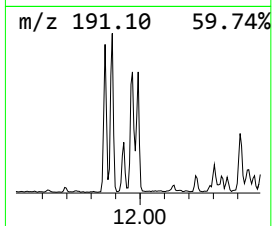
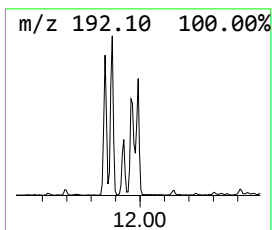
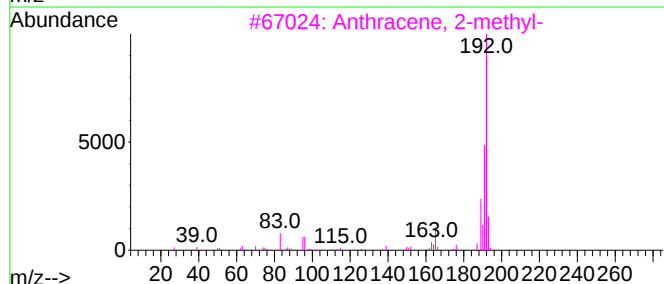
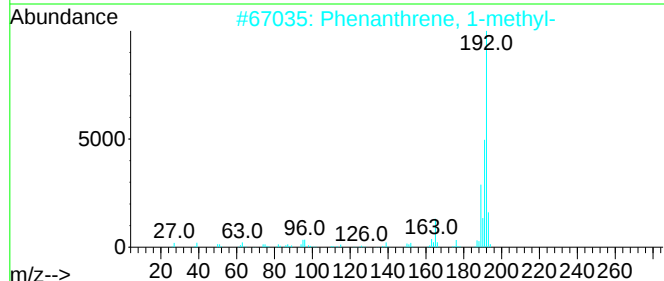
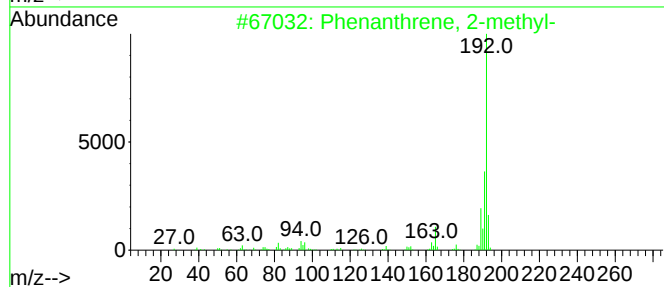
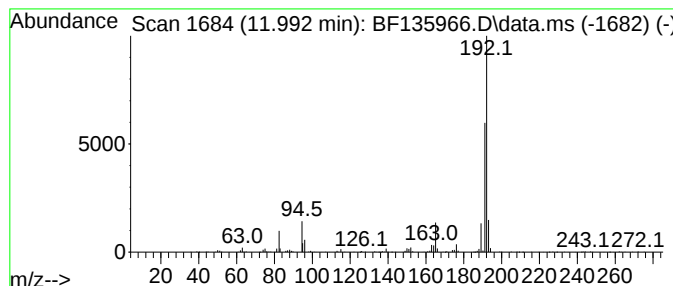
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	8.87 ng	450806	Phenanthrene-d10	11.351

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
Operator : CG\JU
Sample : 05039-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MMFB-3

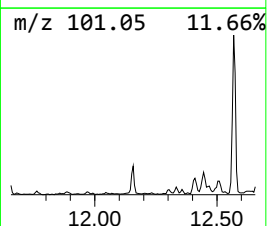
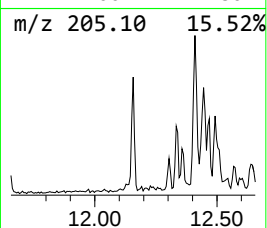
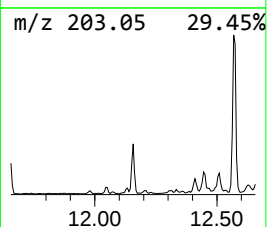
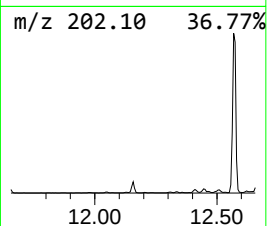
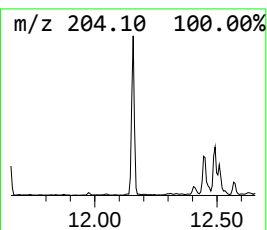
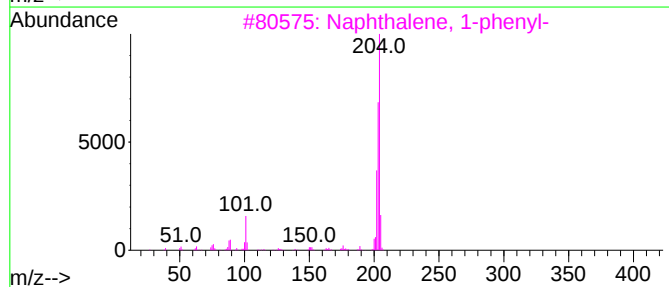
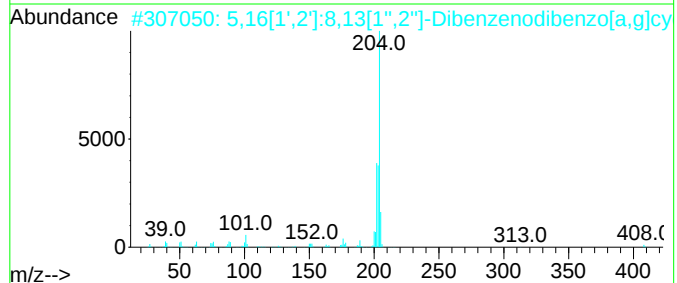
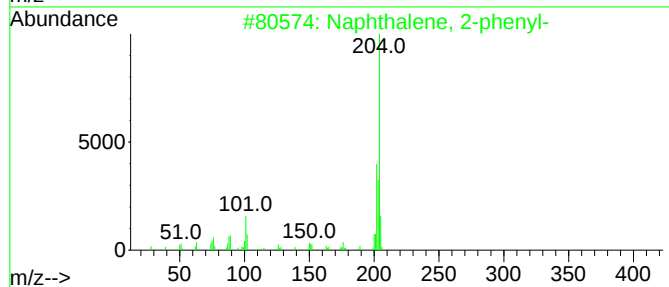
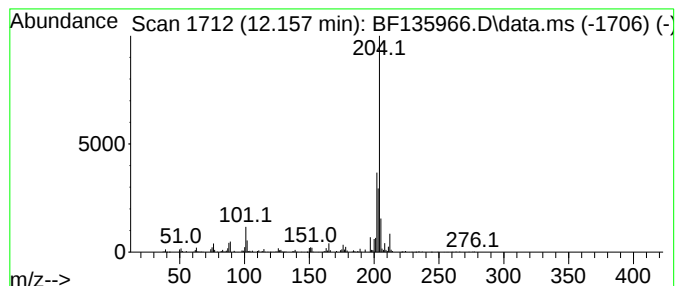
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	8.58 ng	436105	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
Operator : CG\JU
Sample : 05039-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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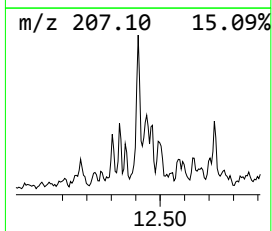
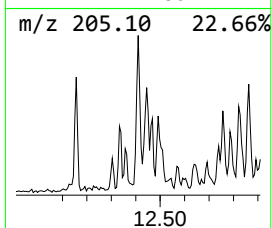
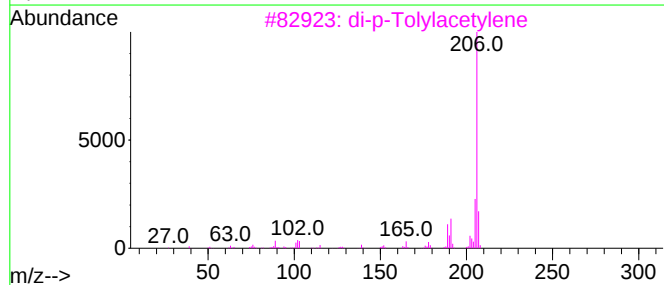
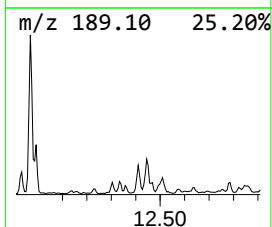
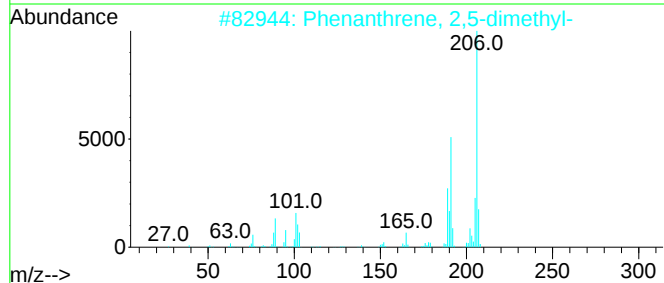
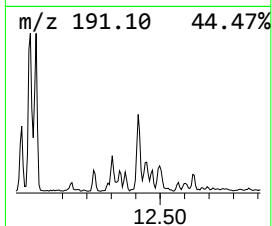
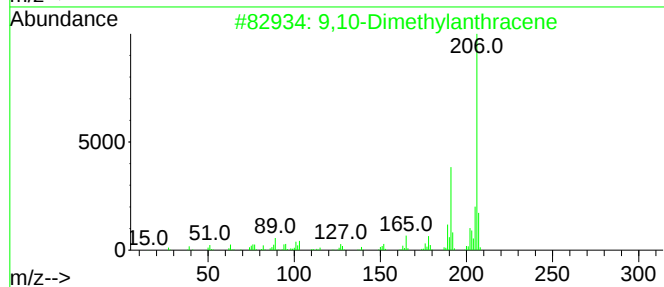
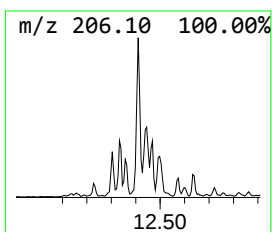
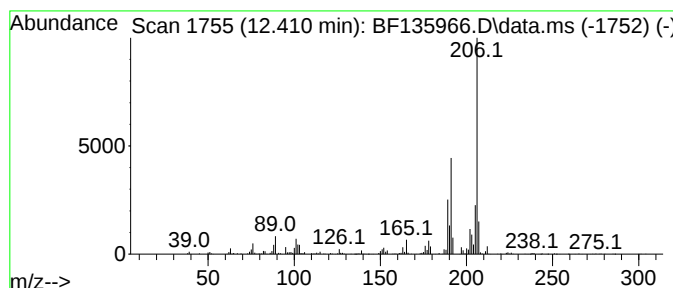
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9,10-Dimethylantracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	8.37 ng	425709	Phenanthrene-d10	11.351

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Dimethylantracene	206	C16H14	000781-43-1	94
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
Operator : CG\JU
Sample : 05039-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MMFB-3

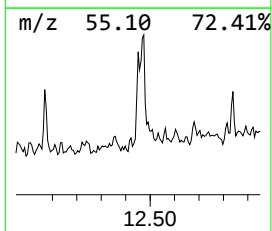
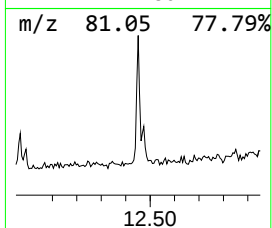
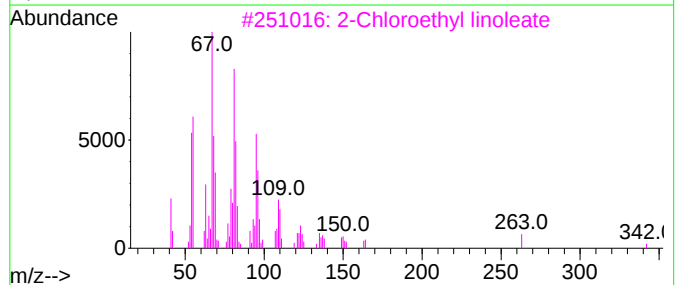
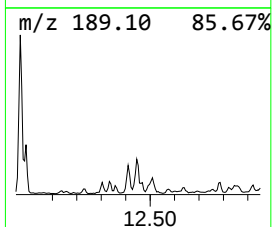
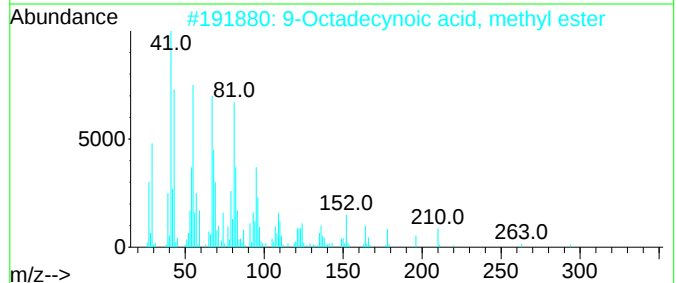
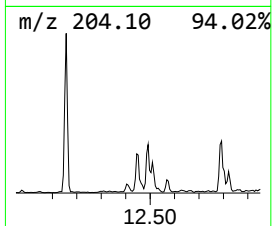
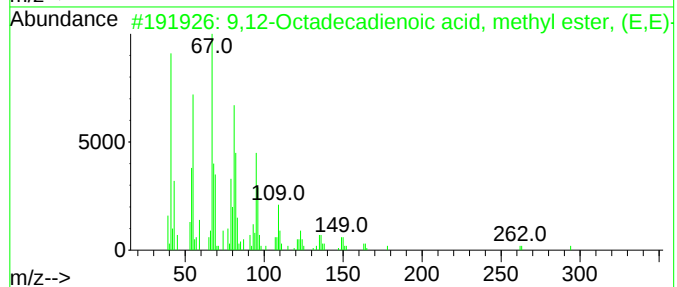
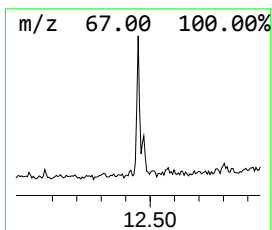
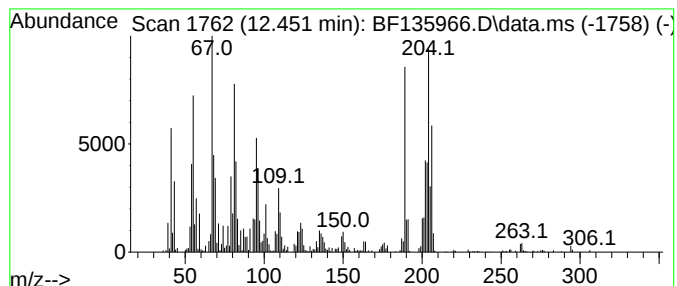
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 9,12-Octadecadienoic acid, ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	10.49 ng	533593	Phenanthrene-d10	11.351

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	91
2		9-Octadecynoic acid, methyl ester	294	C19H34O2	001120-32-7	44
3		2-Chloroethyl linoleate	342	C20H35ClO2	025525-76-2	42
4		Linoelaidic acid	280	C18H32O2	000506-21-8	42
5		4a,8-Dimethyl-2-(prop-1-en-2-yl)...	204	C15H24	103827-22-1	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
Operator : CG\JU
Sample : 05039-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

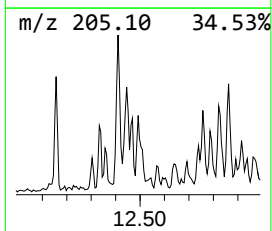
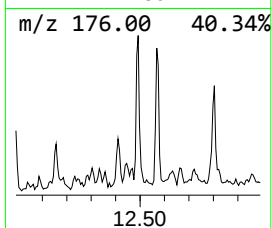
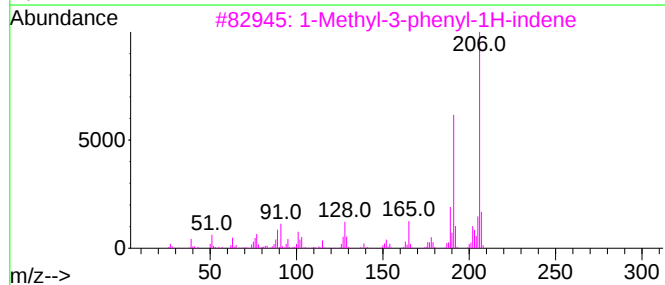
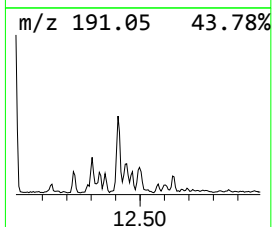
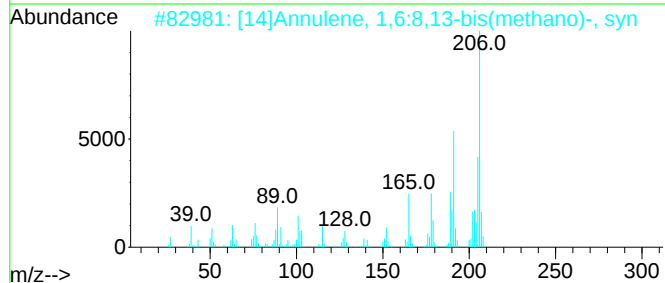
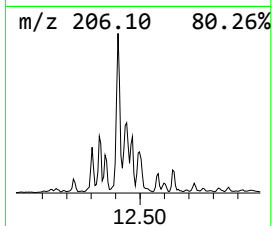
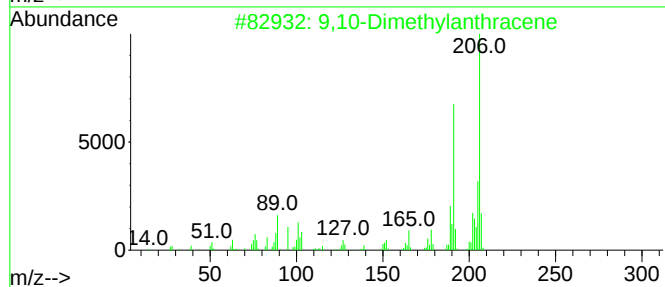
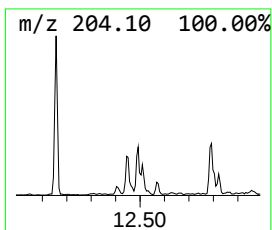
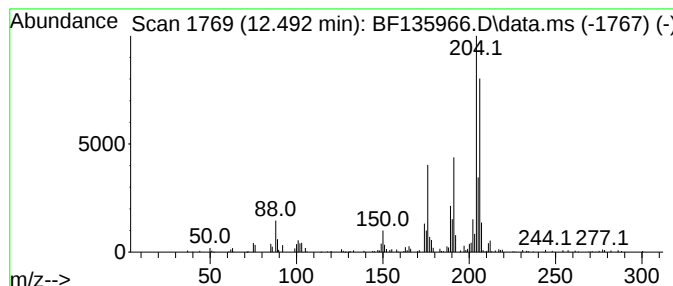
Instrument :
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ClientSampleId :
MMFB-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 [14]Annulene, 1,6:8,13-bis(...) Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.492	5.50 ng	279782	Phenanthrene-d10	11.351	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylantracene	206	C16H14	000781-43-1	70
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	55
3	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	50
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	50
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
Operator : CG\JU
Sample : 05039-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MMFB-3

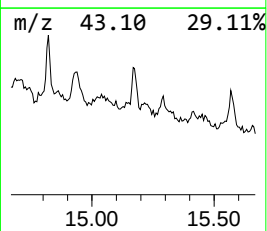
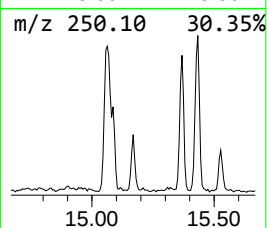
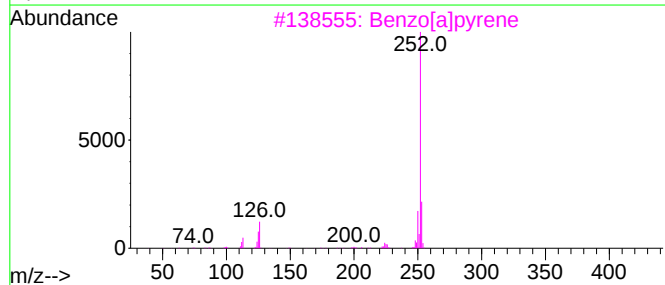
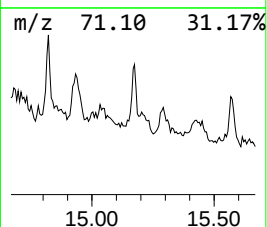
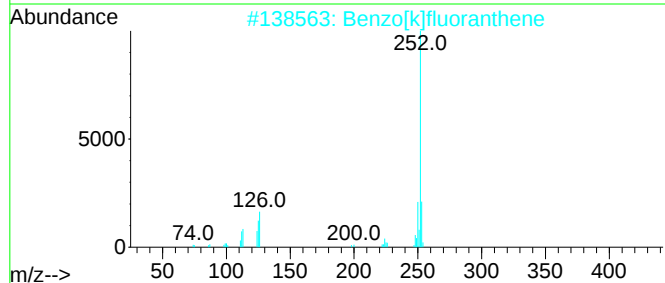
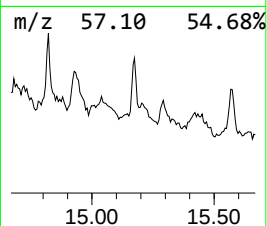
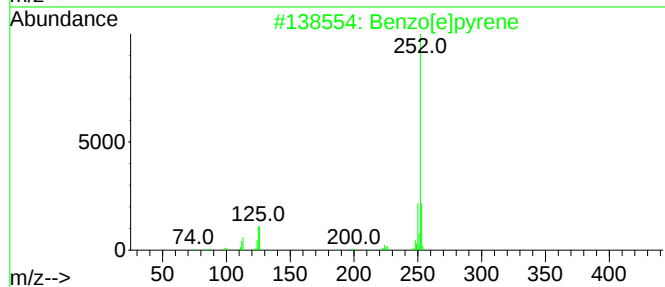
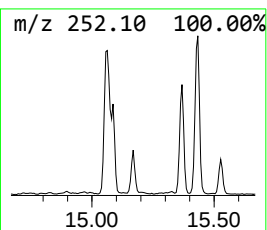
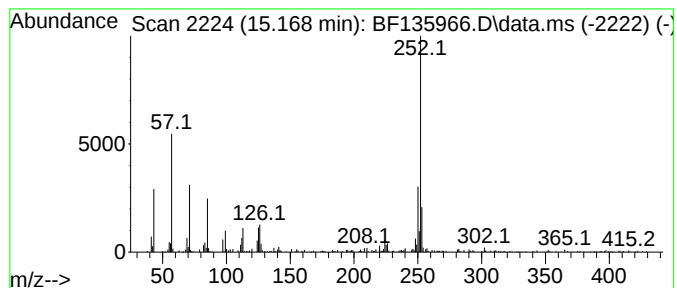
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.168	7.99 ng	245765	Perylene-d12	15.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	95
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3			Benzo[a]pyrene	252	C20H12	000050-32-8	93
4			Benzo[j]fluoranthene	252	C20H12	000205-82-3	92
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135966.D
Acq On : 26 Oct 2023 16:37
Operator : CG\JU
Sample : 05039-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MMFB-3

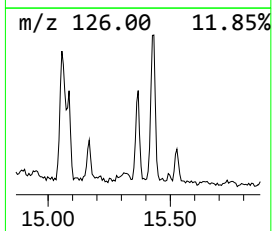
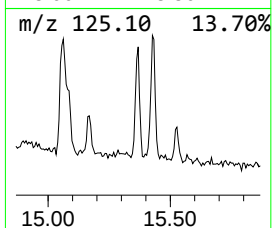
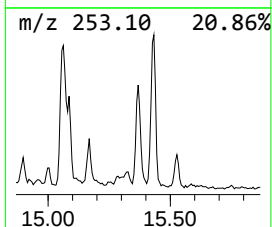
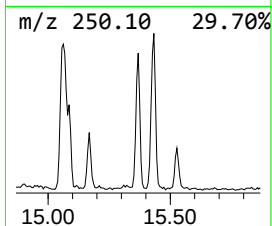
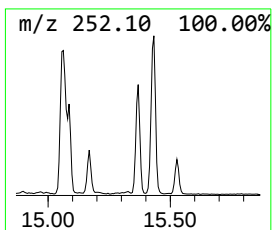
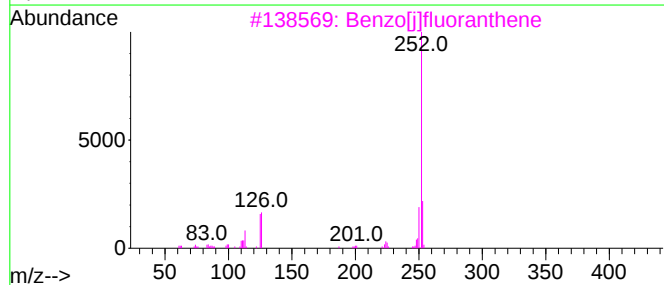
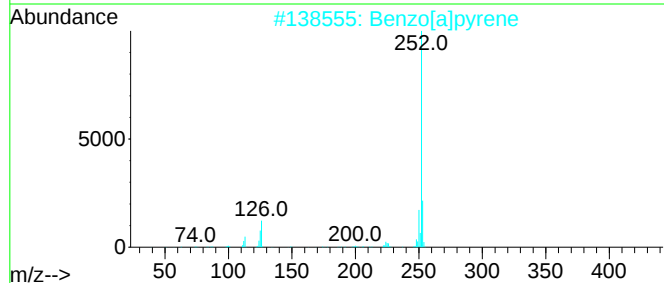
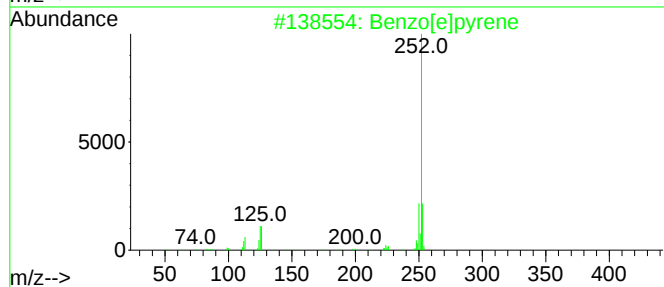
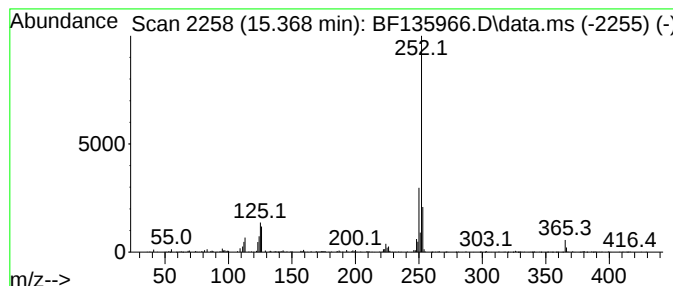
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.368	12.62 ng	387848	Perylene-d12	15.498

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	95
2			Benzo[a]pyrene	252	C20H12	000050-32-8	93
3			Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5			Benzo[k]fluoranthene	252	C20H12	000207-08-9	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135966.D
 Acq On : 26 Oct 2023 16:37
 Operator : CG\JU
 Sample : 05039-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MMFB-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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
Tetradecane	9.269	6.1	ng	441045	3	9.863	1438020	20.0
Naphthalene, 2,...	9.445	5.0	ng	361574	3	9.863	1438020	20.0
Naphthalene, 1,...	9.516	6.7	ng	477959	3	9.863	1438020	20.0
Hexadecane	10.304	6.0	ng	427910	3	9.863	1438020	20.0
Heptadecane	10.780	14.1	ng	715901	4	11.351	1017030	20.0
Octadecane	11.227	8.4	ng	429305	4	11.351	1017030	20.0
Dibenzothiophene	11.245	10.6	ng	538590	4	11.351	1017030	20.0
Nonadecane	11.657	7.7	ng	389195	4	11.351	1017030	20.0
4-Methylnaphtho...	11.763	6.8	ng	348121	4	11.351	1017030	20.0
Phenanthrene, 2...	11.857	11.2	ng	567898	4	11.351	1017030	20.0
Anthracene, 2-m...	11.886	14.2	ng	723736	4	11.351	1017030	20.0
Phenanthrene, 4...	11.933	5.0	ng	252933	4	11.351	1017030	20.0
4H-Cyclopenta[d...	11.969	17.8	ng	907207	4	11.351	1017030	20.0
Phenanthrene, 1...	11.992	8.9	ng	450806	4	11.351	1017030	20.0
Naphthalene, 2-...	12.157	8.6	ng	436105	4	11.351	1017030	20.0
9,10-Dimethylan...	12.410	8.4	ng	425709	4	11.351	1017030	20.0
9,12-Octadecadi...	12.451	10.5	ng	533593	4	11.351	1017030	20.0
[14]Annulene, 1...	12.492	5.5	ng	279782	4	11.351	1017030	20.0
Benzo[e]pyrene	15.168	8.0	ng	245765	6	15.498	614859	20.0
Benzo[j]fluoran...	15.368	12.6	ng	387848	6	15.498	614859	20.0