

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135672.D
 Acq On : 10 Oct 2023 02:17
 Operator : CG\JU
 Sample : 04609-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

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-BF091123.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135672.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.340	379	383	395	rBV	96714	150181	5.22%	0.335%
2	4.969	485	490	505	rBV	929909	1330539	46.22%	2.965%
3	5.381	556	560	580	rBV	2672335	2678649	93.05%	5.969%
4	6.393	728	732	745	rBV	2634487	2703033	93.90%	6.023%
5	6.740	787	791	798	rBV	701247	646243	22.45%	1.440%
6	7.304	883	887	897	rBV	1753312	1739945	60.44%	3.877%
7	8.016	1004	1008	1011	rBV	1007988	882825	30.67%	1.967%
8	8.040	1011	1012	1018	rVB	174134	111062	3.86%	0.247%
9	8.734	1127	1130	1134	rBV	98472	78437	2.72%	0.175%
10	8.834	1143	1147	1151	rBV	74301	75114	2.61%	0.167%
11	9.098	1187	1192	1195	rBV	3273236	2878576	100.00%	6.414%
12	9.210	1207	1211	1218	rVB3	41334	71693	2.49%	0.160%
13	9.357	1231	1236	1243	rBV2	49164	76116	2.64%	0.170%
14	9.434	1245	1249	1251	rBV	89822	85135	2.96%	0.190%
15	9.551	1263	1269	1274	rBV2	42362	53949	1.87%	0.120%
16	9.775	1299	1307	1310	rBV	1055772	900728	31.29%	2.007%
17	9.804	1310	1312	1319	rVV	372947	331960	11.53%	0.740%
18	9.981	1338	1342	1346	rBV	285588	245325	8.52%	0.547%
19	10.328	1397	1401	1405	rVB	357527	334963	11.64%	0.746%
20	10.392	1405	1412	1413	rBV2	55601	74476	2.59%	0.166%
21	10.481	1425	1427	1432	rVB	99517	99488	3.46%	0.222%
22	10.569	1438	1442	1448	rBV	1686602	1667822	57.94%	3.716%
23	10.692	1456	1463	1470	rVB6	22136	54827	1.90%	0.122%
24	10.875	1488	1494	1497	rBV2	77761	97910	3.40%	0.218%
25	11.004	1511	1516	1518	rBV4	50797	64622	2.24%	0.144%
26	11.028	1518	1520	1525	rVV2	60190	71332	2.48%	0.159%
27	11.080	1526	1529	1533	rVV	164468	153648	5.34%	0.342%
28	11.116	1533	1535	1540	rVV2	58507	78575	2.73%	0.175%
29	11.163	1540	1543	1551	rVB	139887	147510	5.12%	0.329%
30	11.269	1557	1561	1563	rBV	881459	805415	27.98%	1.795%
31	11.298	1563	1566	1569	rVV	2512758	2131259	74.04%	4.749%
32	11.345	1569	1574	1578	rVV	840062	715992	24.87%	1.595%
33	11.510	1597	1602	1609	rBV	218059	252606	8.78%	0.563%
34	11.680	1626	1631	1638	rVB5	27896	52392	1.82%	0.117%
35	11.775	1643	1647	1649	rVV	332007	259320	9.01%	0.578%
36	11.804	1649	1652	1657	rVV	651216	597246	20.75%	1.331%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135672.D
 Acq On : 10 Oct 2023 02:17
 Operator : CG\JU
 Sample : 04609-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

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-BF091123.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.851	1657	1660	1663	rVV	185333	169157	5.88%	0.377%
38	11.886	1663	1666	1668	rVV	518942	498702	17.32%	1.111%
39	11.910	1668	1670	1676	rVB	218096	186219	6.47%	0.415%
40	12.069	1694	1697	1701	rVB	192029	178855	6.21%	0.399%
41	12.110	1701	1704	1708	rVB	134556	119974	4.17%	0.267%
42	12.222	1717	1723	1726	rBV	70604	79956	2.78%	0.178%
43	12.251	1726	1728	1731	rVV	58161	57015	1.98%	0.127%
44	12.327	1737	1741	1744	rBV	148810	143828	5.00%	0.320%
45	12.369	1744	1748	1750	rVV2	85161	114068	3.96%	0.254%
46	12.427	1753	1758	1765	rVB2	157217	184623	6.41%	0.411%
47	12.498	1765	1770	1773	rBV	2691098	2524868	87.71%	5.626%
48	12.557	1778	1780	1784	rVB2	58032	63008	2.19%	0.140%
49	12.598	1784	1787	1792	rBV6	68130	109426	3.80%	0.244%
50	12.645	1792	1795	1797	rVB2	116893	110186	3.83%	0.246%
51	12.727	1802	1809	1814	rVV2	2134479	2572058	89.35%	5.731%
52	12.774	1814	1817	1821	rVB2	128116	147187	5.11%	0.328%
53	12.869	1821	1833	1836	rBV	2195041	2308104	80.18%	5.143%
54	12.945	1841	1846	1850	rBV2	157243	293616	10.20%	0.654%
55	12.980	1850	1852	1857	rVV	54556	64943	2.26%	0.145%
56	13.027	1857	1860	1861	rVV2	130006	124548	4.33%	0.278%
57	13.057	1862	1865	1868	rVB	318066	311885	10.83%	0.695%
58	13.122	1873	1876	1878	rBV	235426	187461	6.51%	0.418%
59	13.157	1878	1882	1889	rBV3	245915	329895	11.46%	0.735%
60	13.216	1889	1892	1895	rVB3	58498	54751	1.90%	0.122%
61	13.251	1895	1898	1901	rBV	129144	105991	3.68%	0.236%
62	13.280	1901	1903	1912	rVB3	130748	184672	6.42%	0.411%
63	13.351	1912	1915	1917	rBV3	51419	55605	1.93%	0.124%
64	13.574	1950	1953	1956	rVV	239066	211091	7.33%	0.470%
65	13.680	1966	1971	1973	rBV	245299	236995	8.23%	0.528%
66	13.704	1973	1975	1977	rVV	213103	177209	6.16%	0.395%
67	13.733	1977	1980	1981	rVV	166200	151233	5.25%	0.337%
68	13.751	1981	1983	1986	rVV2	95427	97268	3.38%	0.217%
69	13.786	1986	1989	1994	rVB	232520	207959	7.22%	0.463%
70	13.851	1994	2000	2006	rBV	85165	184817	6.42%	0.412%
71	13.927	2006	2013	2016	rBV2	1351655	2066836	71.80%	4.605%
72	13.963	2016	2019	2022	rVB	976934	945791	32.86%	2.107%
73	14.039	2029	2032	2035	rVB	209451	172683	6.00%	0.385%
74	14.092	2035	2041	2046	rBV4	117375	174236	6.05%	0.388%
75	14.169	2052	2054	2057	rVB	98904	80473	2.80%	0.179%
76	14.286	2071	2074	2076	rBV2	92626	89692	3.12%	0.200%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135672.D
 Acq On : 10 Oct 2023 02:17
 Operator : CG\JU
 Sample : 04609-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

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-BF091123.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.321	2078	2080	2083	rVV	221639	224908	7.81%	0.501%
78	14.357	2083	2086	2089	rVV2	117601	112217	3.90%	0.250%
79	14.398	2090	2093	2095	rVV2	86488	106770	3.71%	0.238%
80	14.421	2095	2097	2099	rVV	85497	79285	2.75%	0.177%
81	14.451	2099	2102	2103	rVV2	113972	110850	3.85%	0.247%
82	14.469	2103	2105	2108	rVV2	120621	107218	3.72%	0.239%
83	14.498	2108	2110	2112	rVV2	48523	52998	1.84%	0.118%
84	14.657	2132	2137	2139	rBV4	67048	99680	3.46%	0.222%
85	14.821	2162	2165	2168	rBV	118267	113127	3.93%	0.252%
86	14.980	2187	2192	2195	rBV	820404	1296277	45.03%	2.888%
87	15.086	2207	2210	2214	rVB	174197	174253	6.05%	0.388%
88	15.174	2221	2225	2226	rBV3	51116	61445	2.13%	0.137%
89	15.221	2230	2233	2236	rVV3	53190	90820	3.16%	0.202%
90	15.280	2238	2243	2249	rVV	458920	578762	20.11%	1.290%
91	15.345	2249	2254	2260	rVV	650456	827082	28.73%	1.843%
92	15.404	2260	2264	2267	rVV	421270	508474	17.66%	1.133%
93	15.433	2267	2269	2276	rVB2	170959	251654	8.74%	0.561%
94	15.851	2335	2340	2343	rBV5	38190	64442	2.24%	0.144%
95	15.968	2357	2360	2365	rVB2	35048	51698	1.80%	0.115%
96	16.892	2510	2517	2525	rBV2	251637	504497	17.53%	1.124%
97	17.068	2542	2547	2553	rBV2	62318	136509	4.74%	0.304%
98	17.127	2553	2557	2563	rVB3	46455	98961	3.44%	0.221%
99	17.345	2588	2594	2605	rBV2	170008	358251	12.45%	0.798%
100	17.604	2633	2638	2647	rVB3	38534	92968	3.23%	0.207%

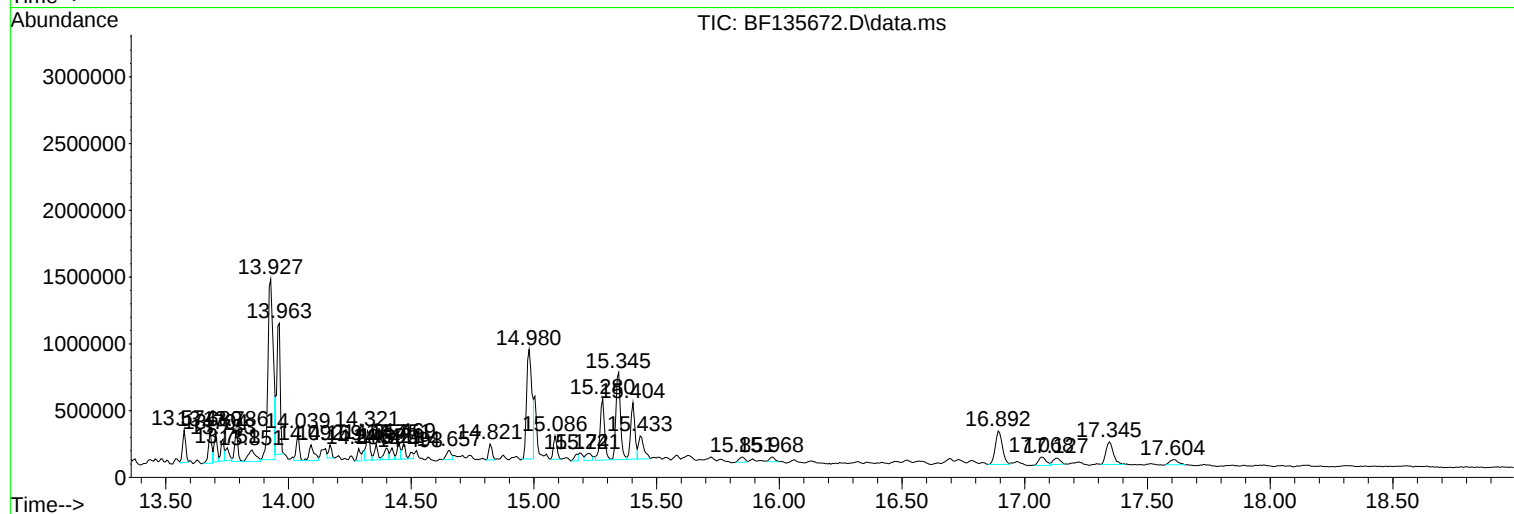
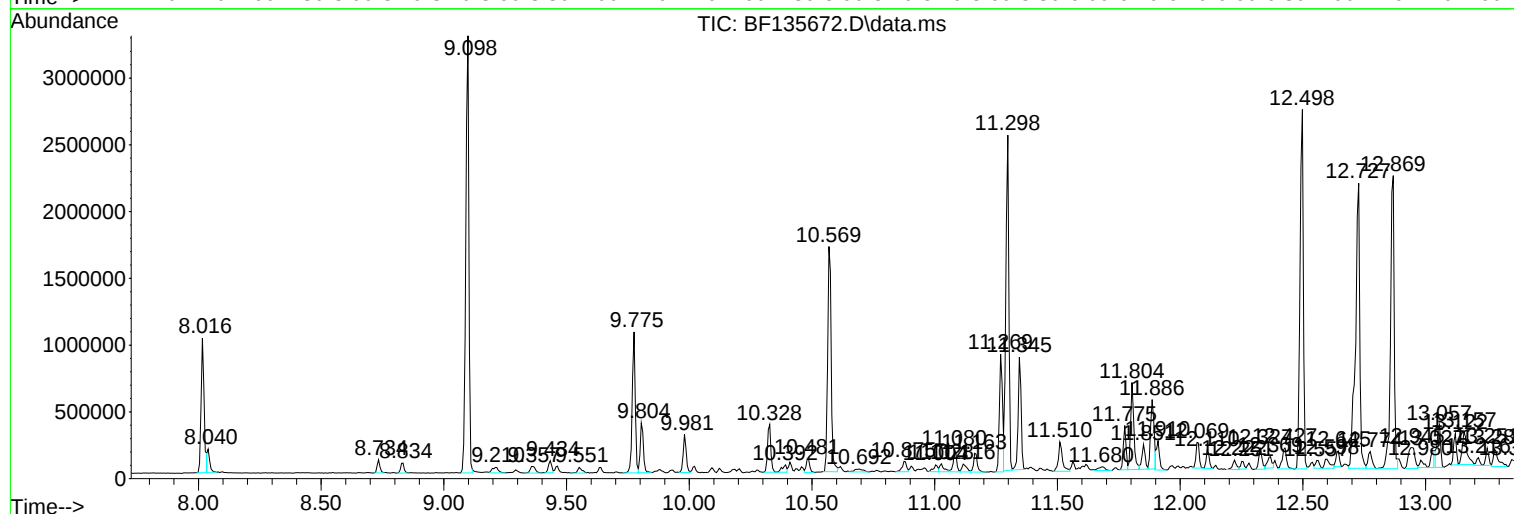
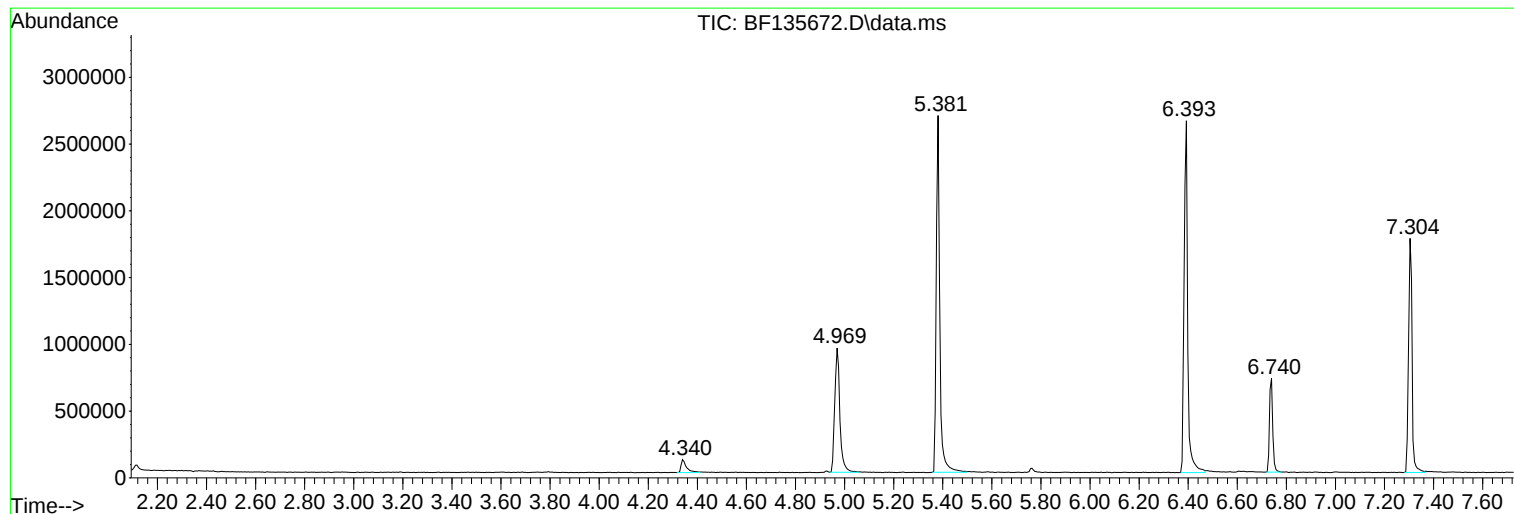
Sum of corrected areas: 44878943

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

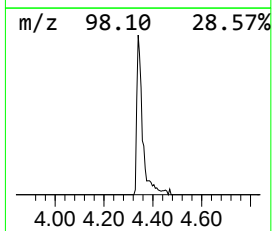
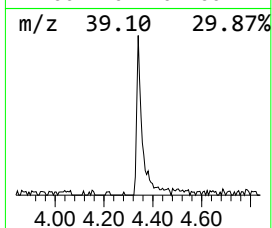
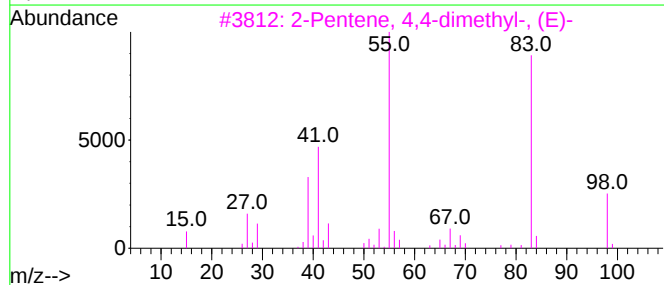
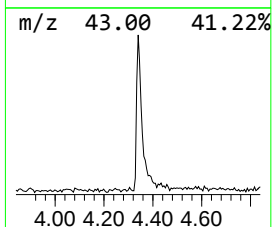
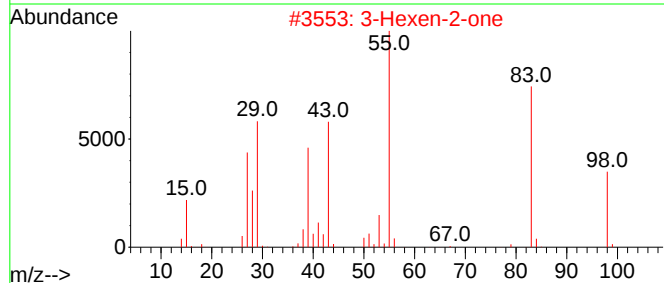
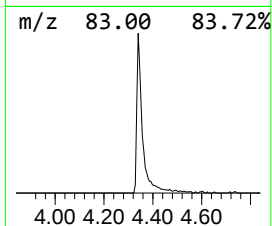
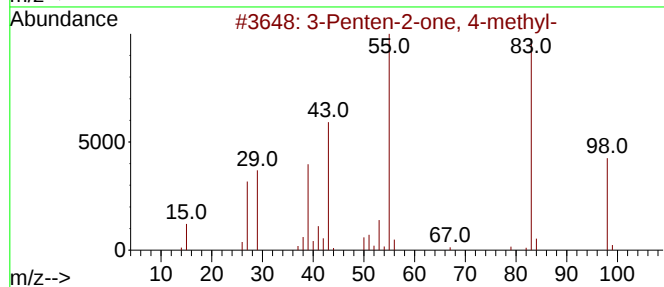
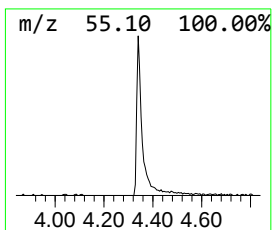
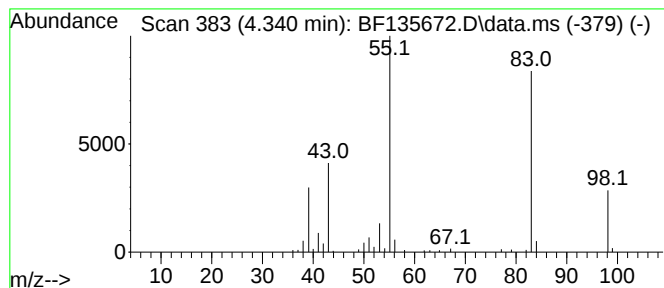
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.340	4.65 ng	150181	1,4-Dichlorobenzene-d4	6.740

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	94
2		3-Hexen-2-one	98	C6H10O	000763-93-9	91
3		2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	86
4		2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	86
5		2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

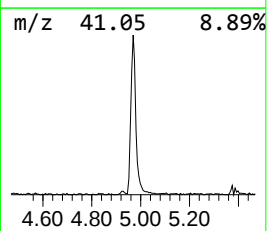
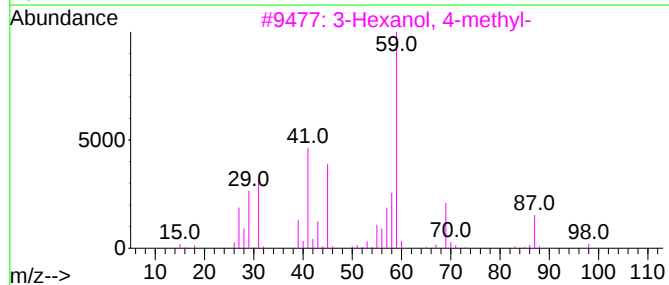
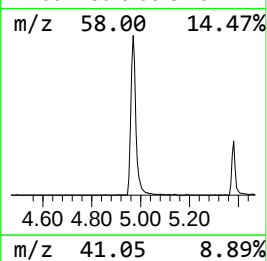
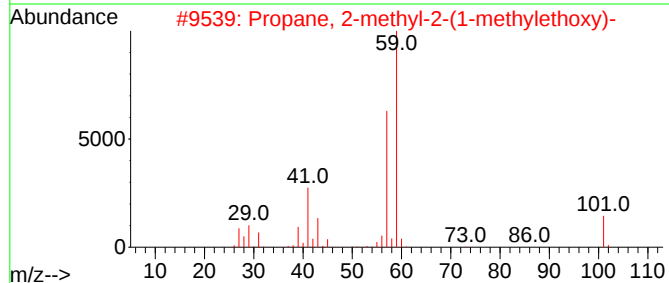
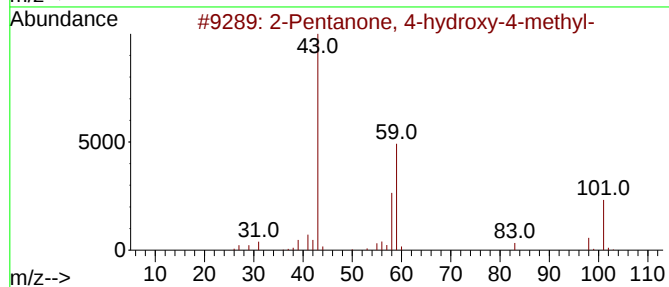
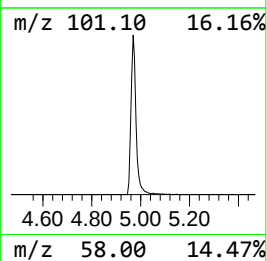
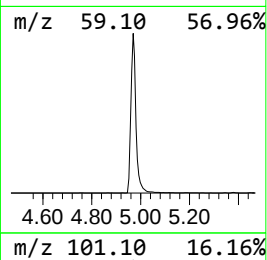
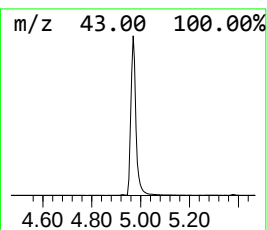
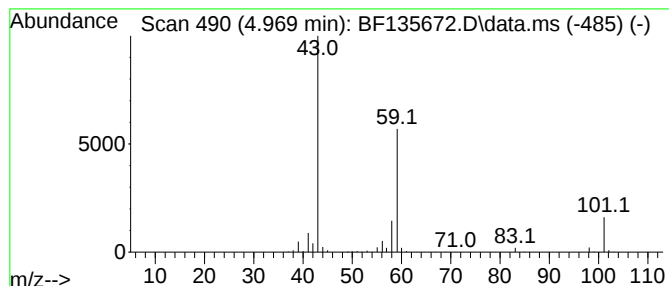
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.969	41.18 ng	1330540	1,4-Dichlorobenzene-d4	6.740

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64		
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33		
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33		
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33		
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

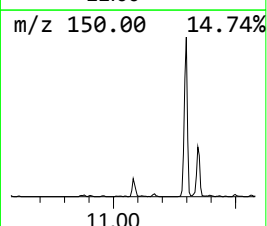
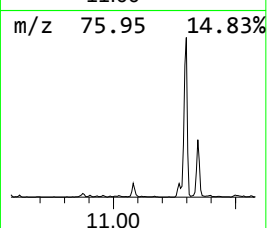
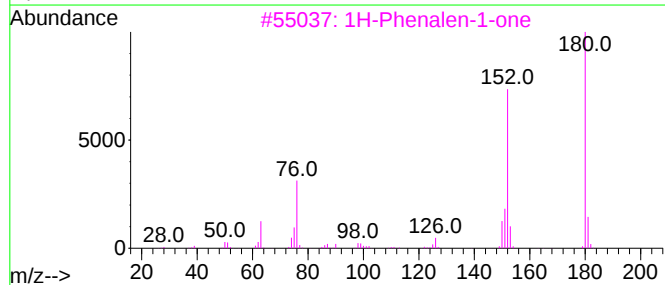
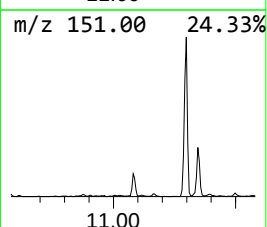
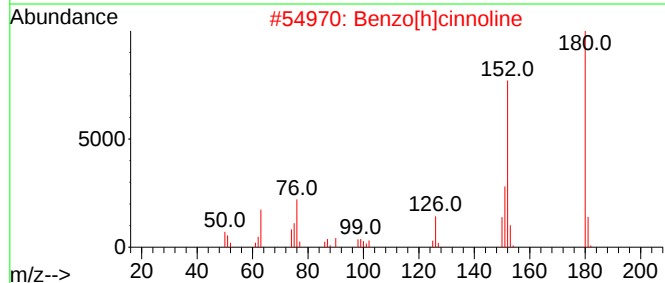
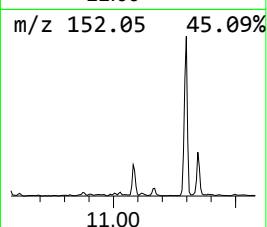
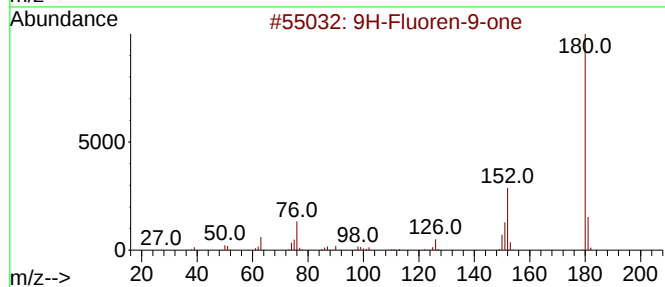
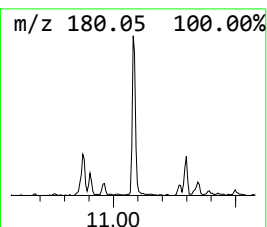
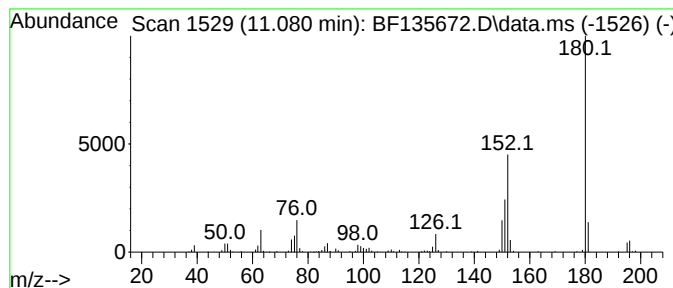
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.081	3.82 ng	153648	Phenanthrene-d10	11.269

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96	
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87	
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58	
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	53	
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

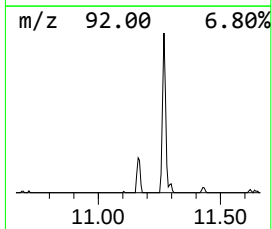
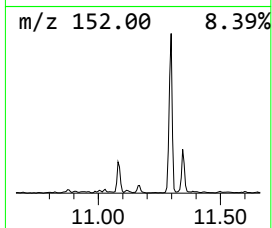
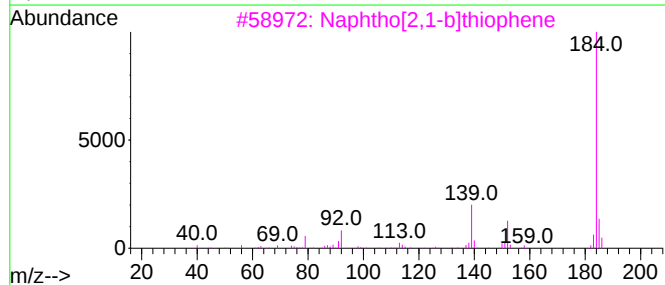
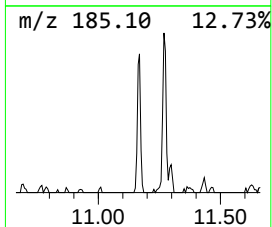
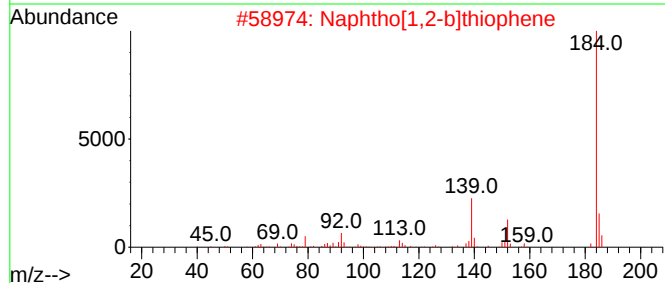
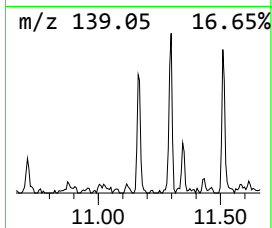
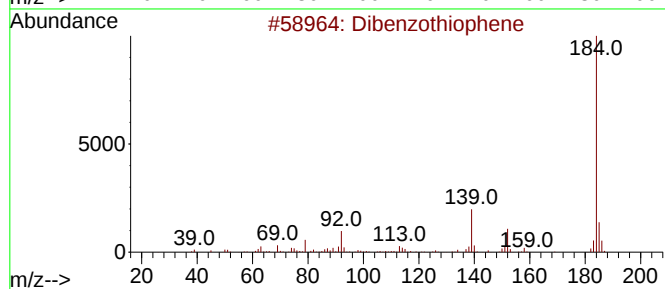
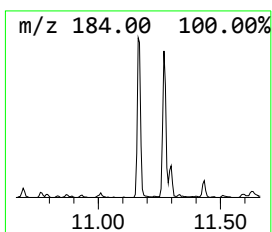
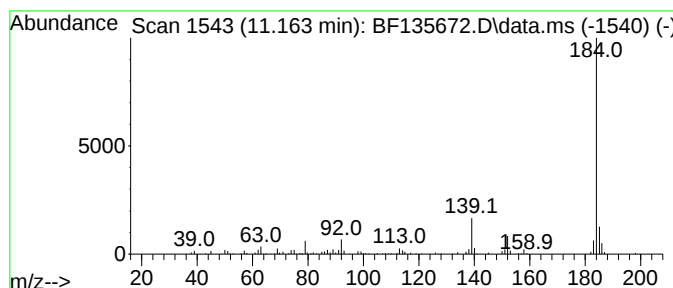
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.163	3.66 ng	147510	Phenanthrene-d10	11.269

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	97
2			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
3			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5			1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

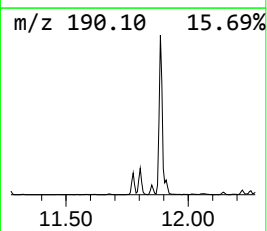
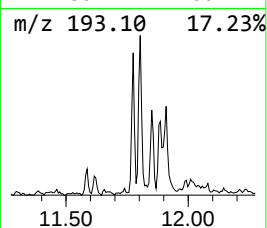
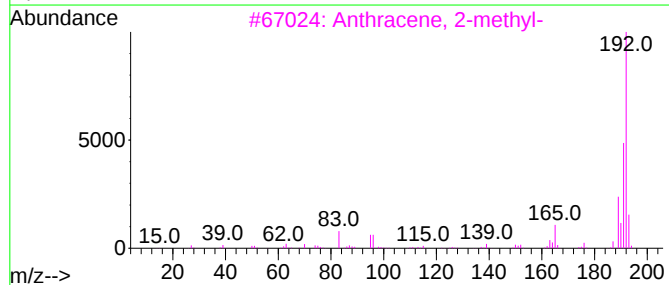
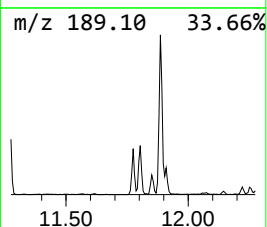
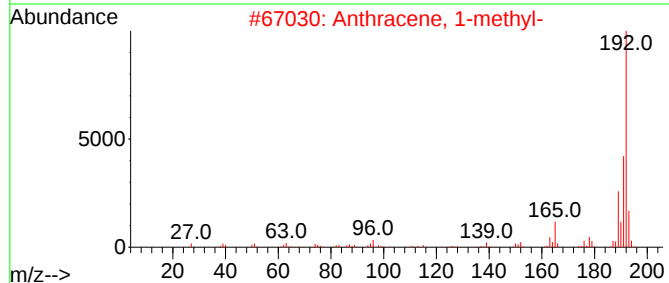
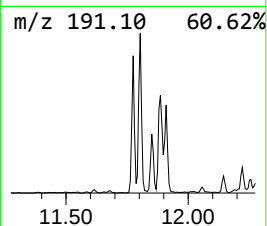
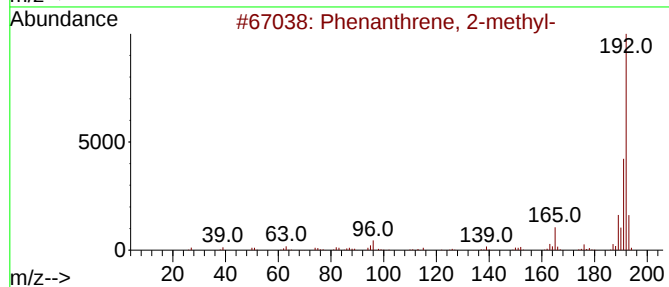
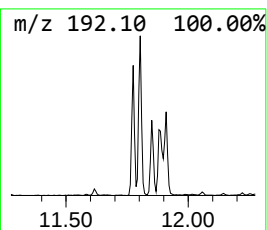
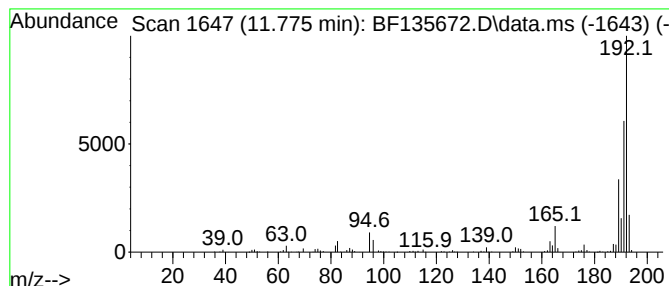
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	6.44 ng	259320	Phenanthrene-d10	11.269

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

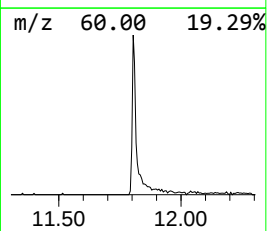
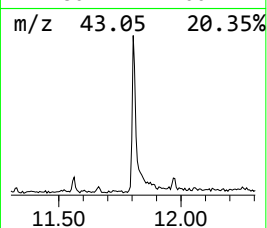
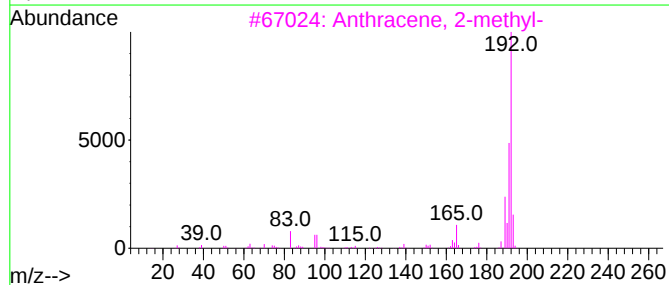
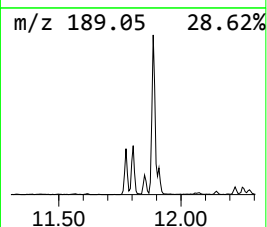
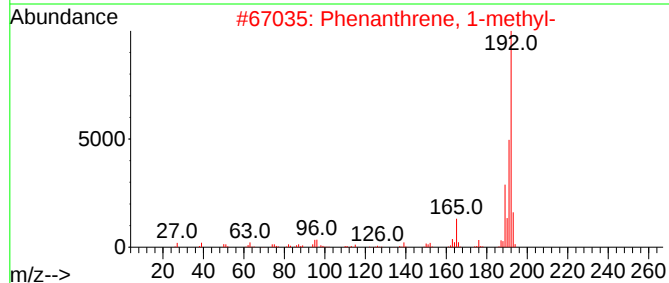
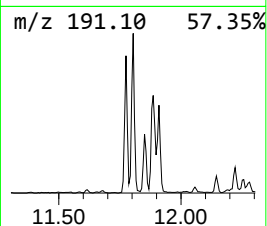
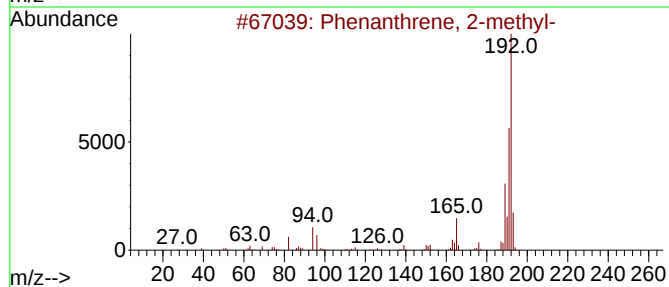
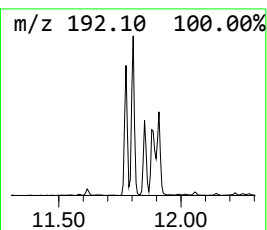
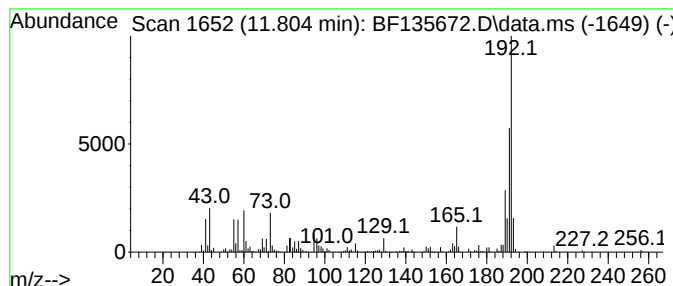
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	14.83 ng	597246	Phenanthrene-d10	11.269

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

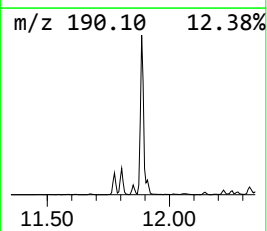
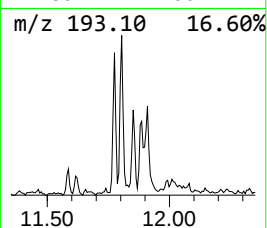
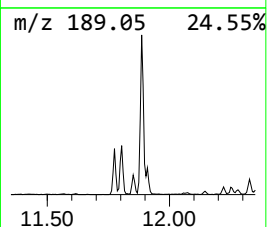
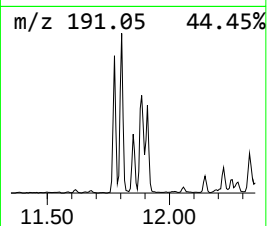
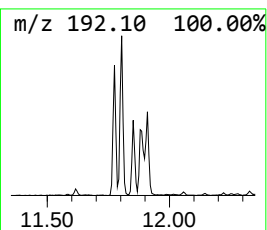
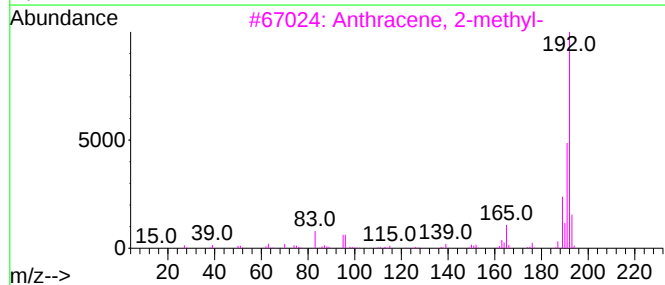
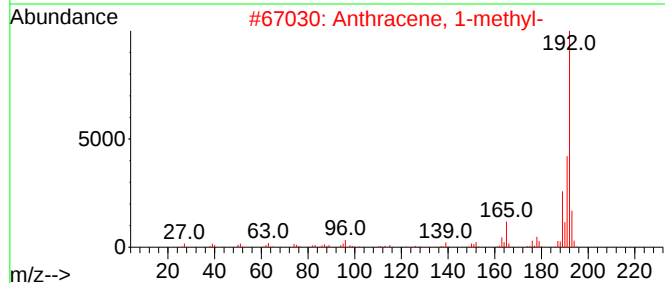
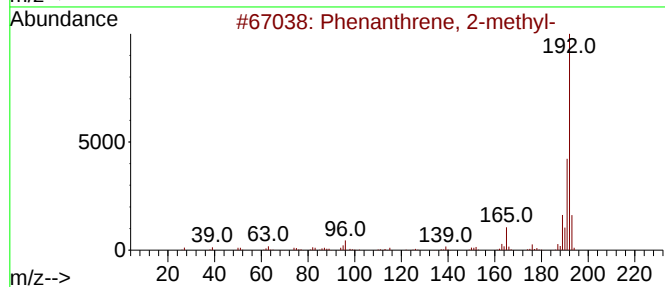
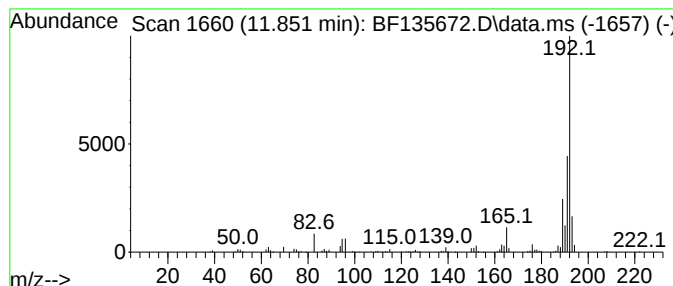
Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.851	4.20 ng	169157	Phenanthrene-d10	11.269	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

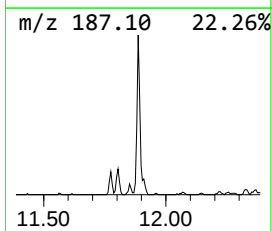
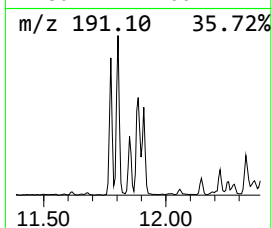
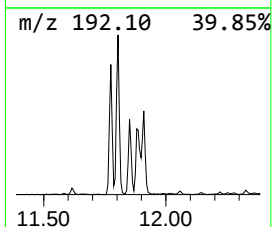
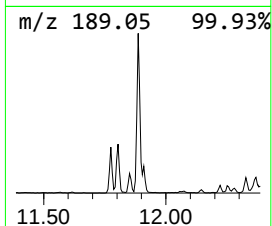
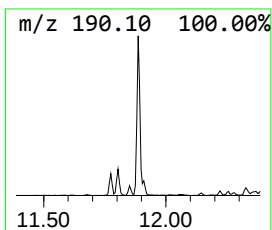
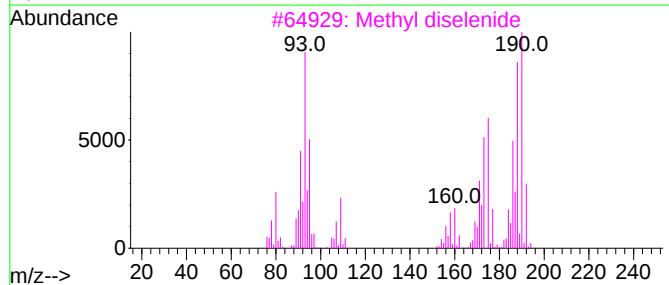
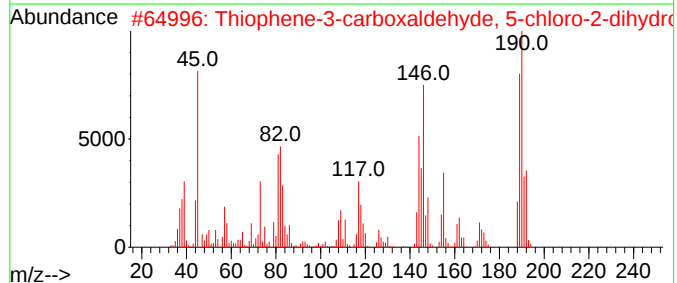
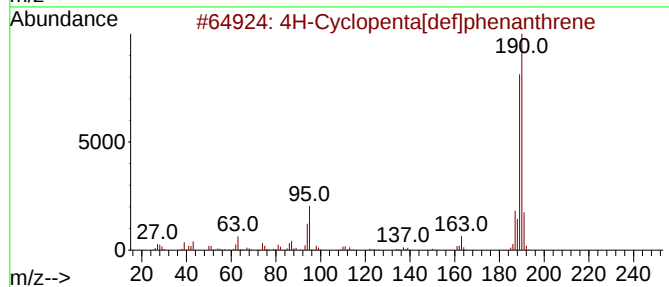
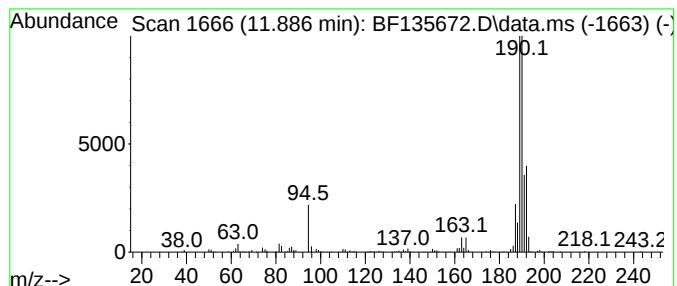
Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.886	12.38 ng	498702	Phenanthrene-d10	11.269	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

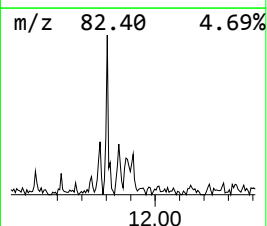
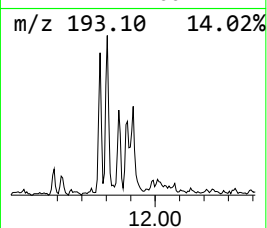
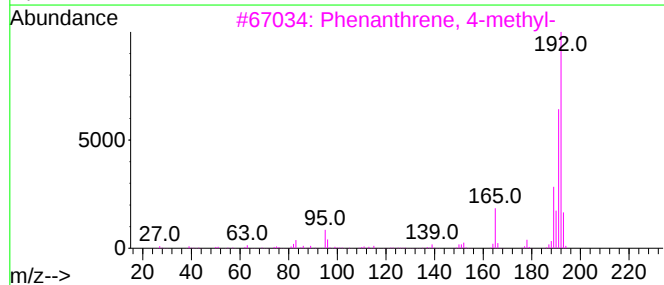
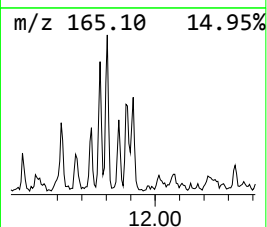
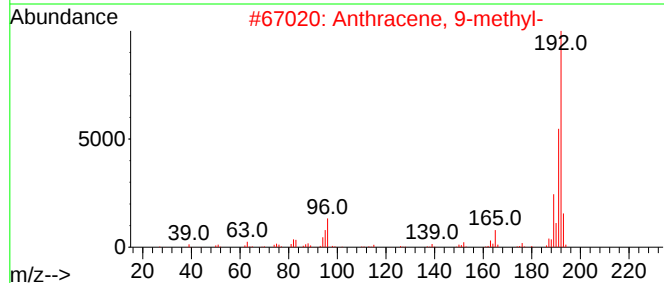
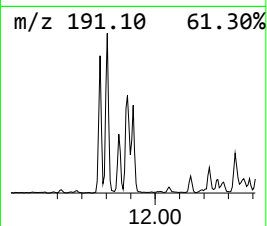
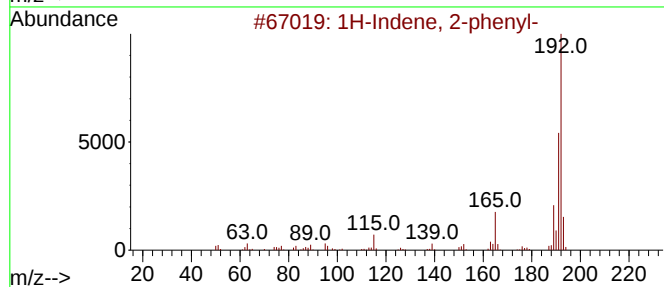
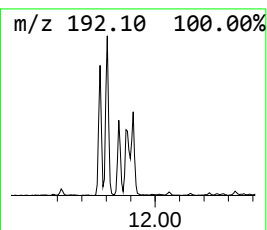
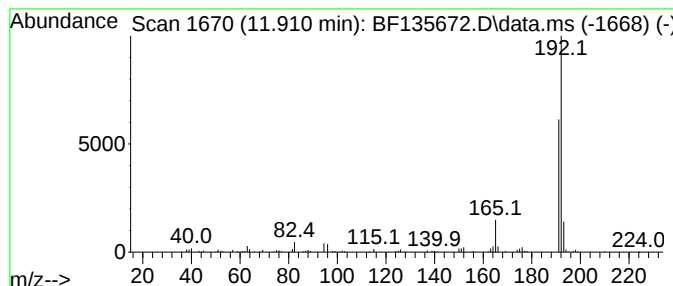
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	4.62 ng	186219	Phenanthrene-d10	11.269

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

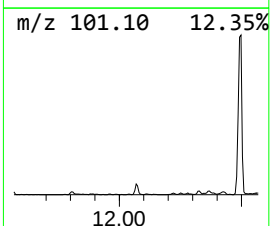
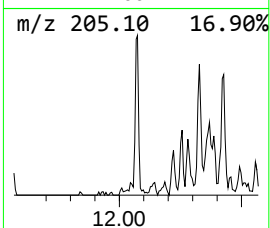
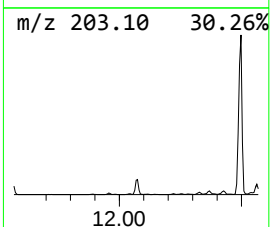
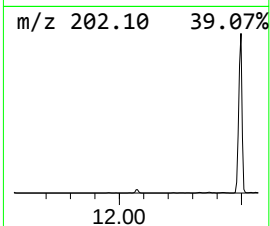
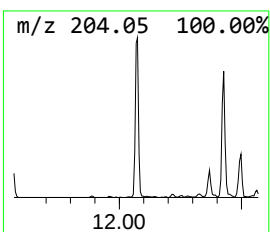
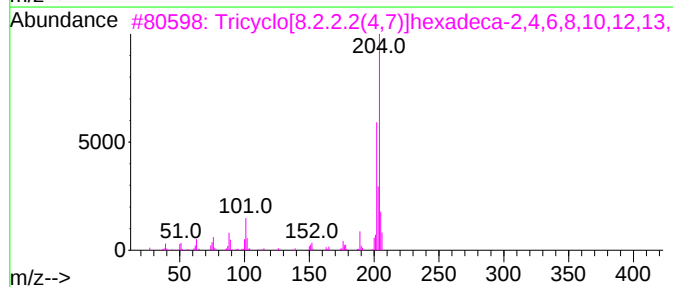
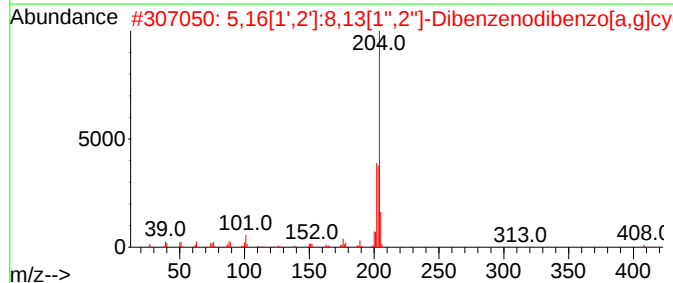
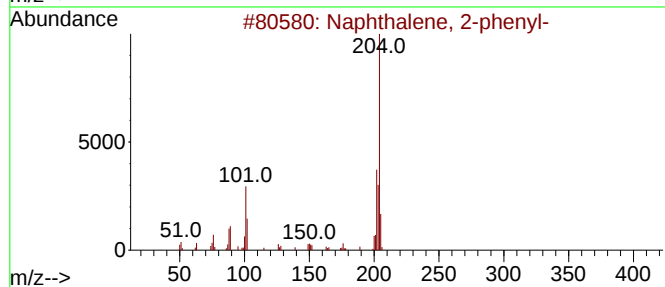
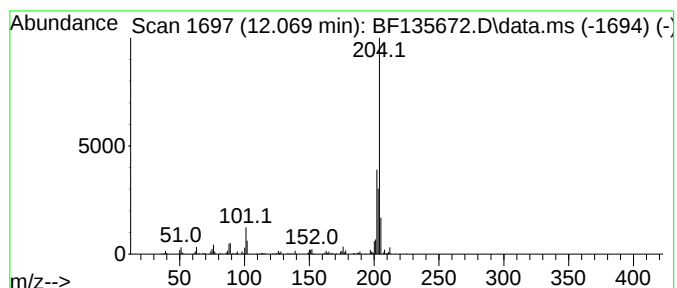
Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.069	4.44 ng	178855	Phenanthrene-d10	11.269	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

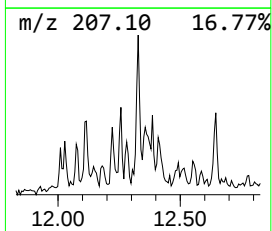
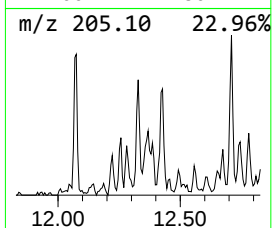
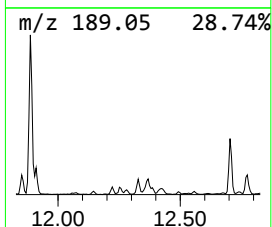
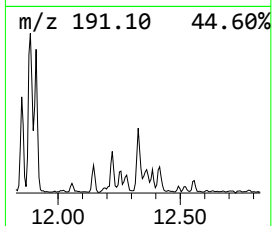
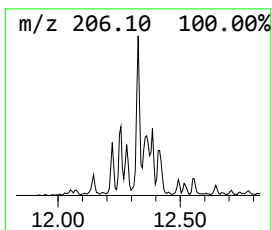
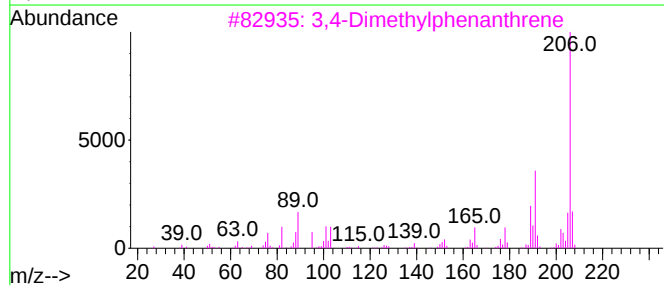
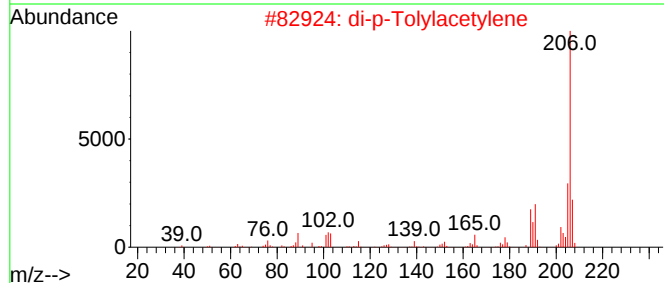
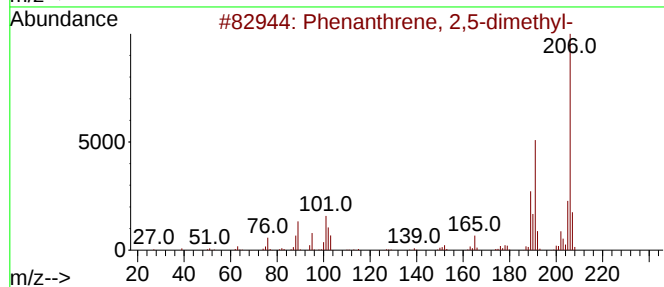
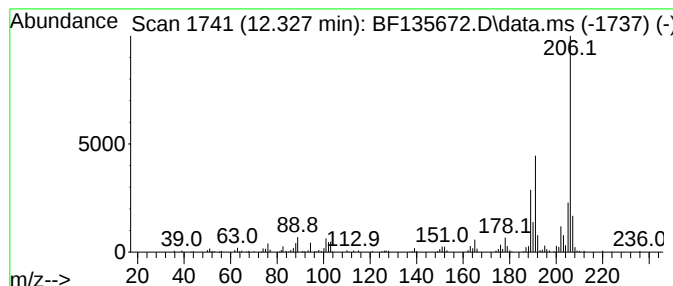
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.328	3.57 ng	143828	Phenanthrene-d10	11.269

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2			di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3			3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	94
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

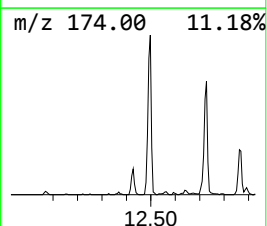
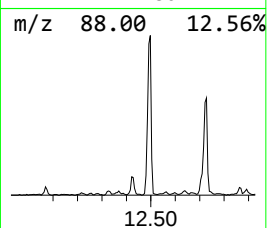
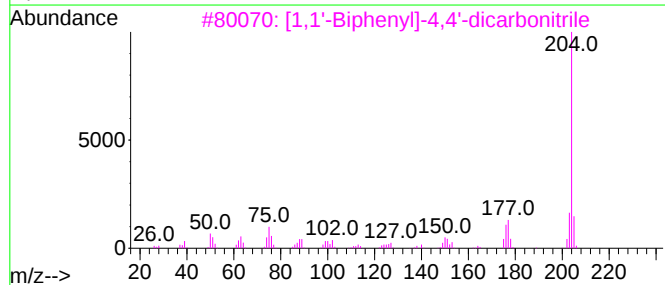
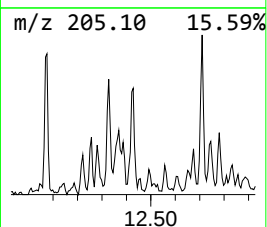
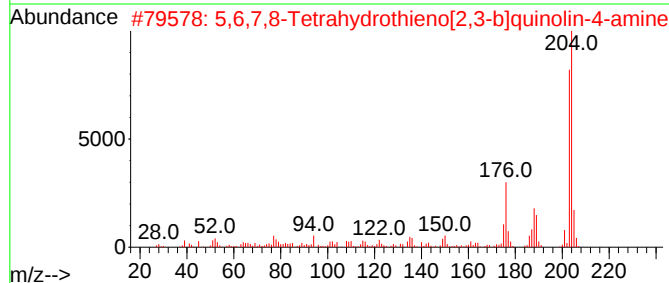
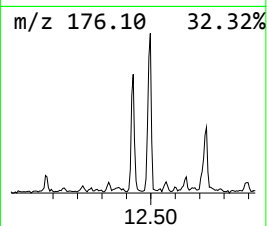
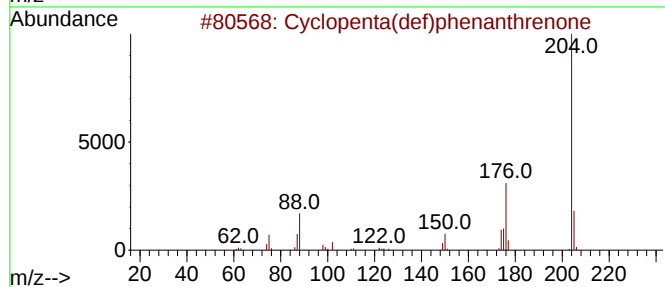
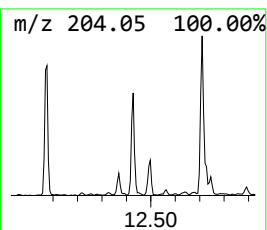
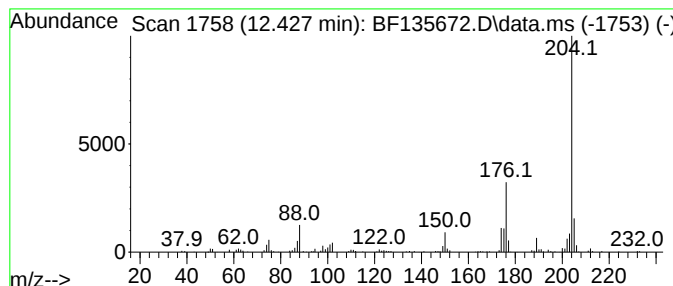
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.428	4.58 ng	184623	Phenanthrene-d10	11.269

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2			5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	72
3			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
4			1,4-Naphthalenedione, 2-hydroxy-...	204	C11H8O4	005257-83-0	53
5			Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

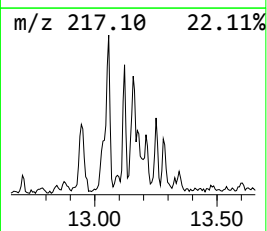
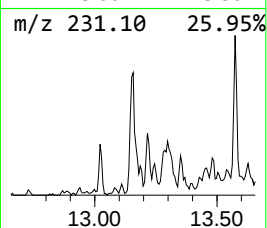
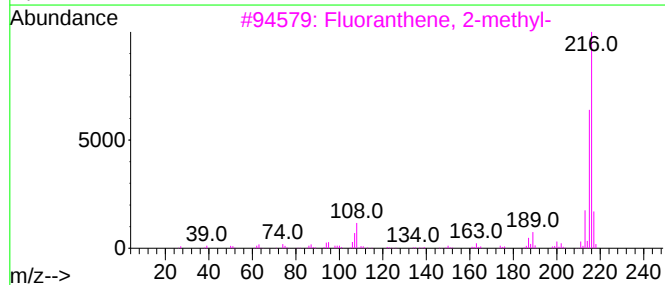
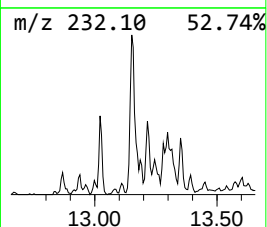
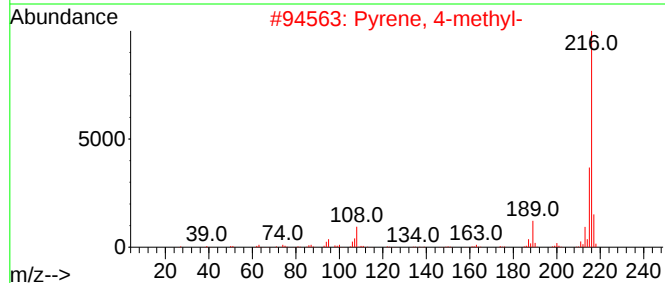
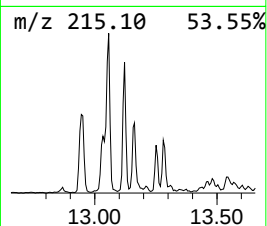
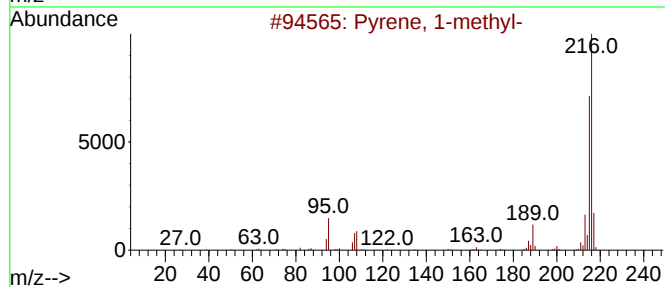
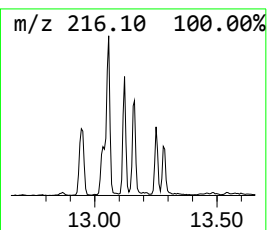
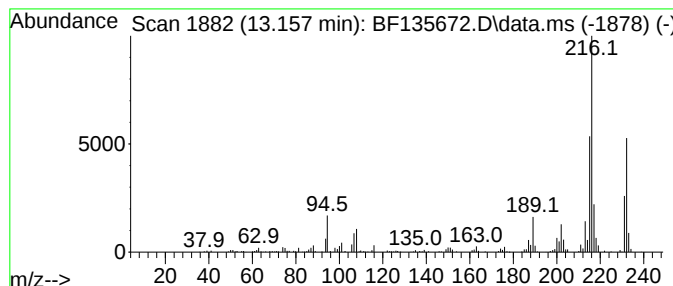
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.157	3.19 ng	329895	Chrysene-d12	13.933

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2			Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4			Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

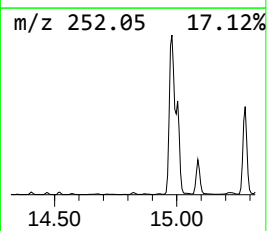
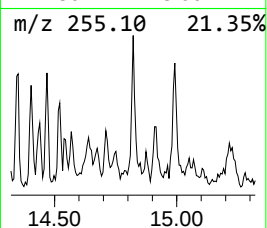
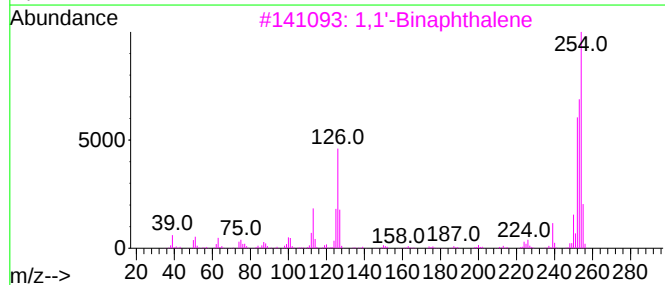
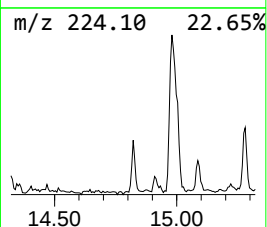
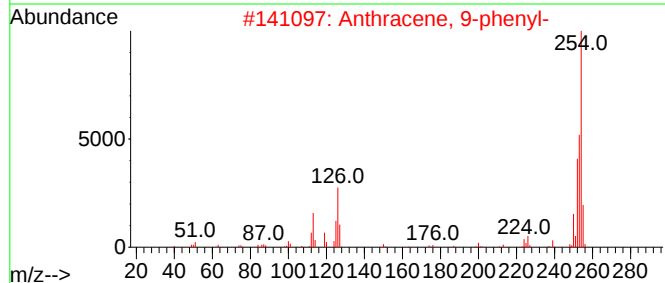
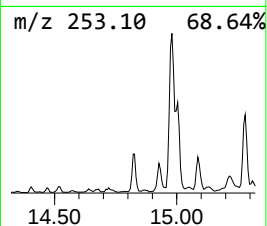
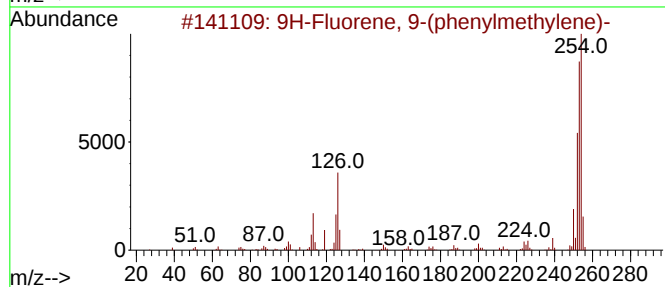
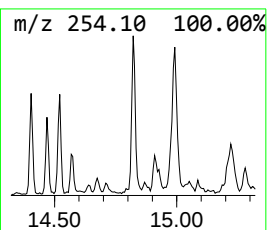
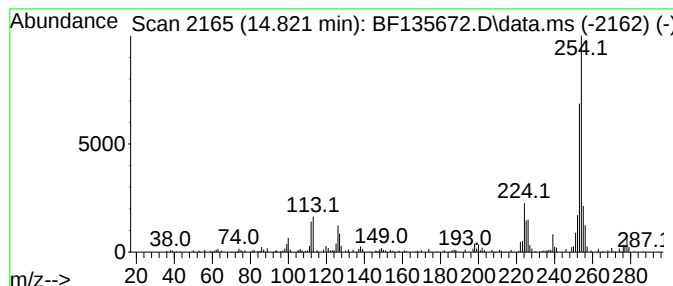
Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 9H-Fluorene, 9-(phenylmethy... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.821	4.45 ng	113127	Perylene-d12	15.404	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	62
4	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	62
5	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

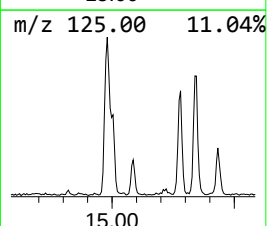
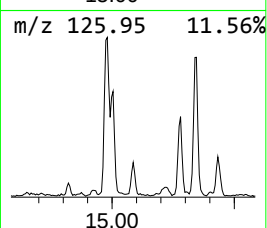
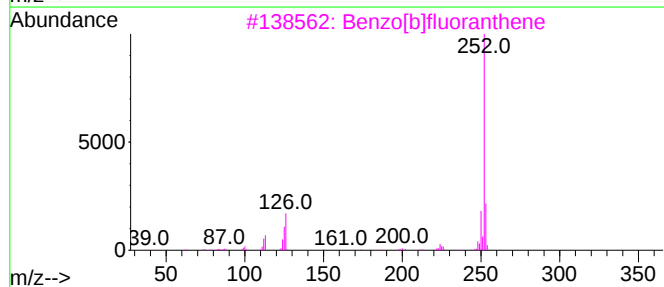
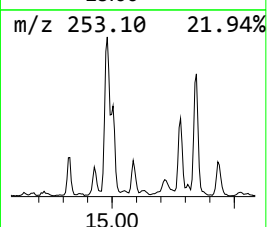
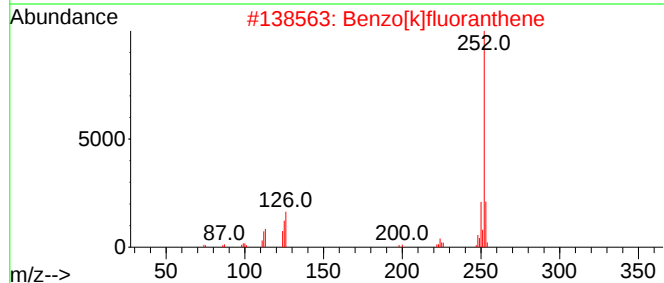
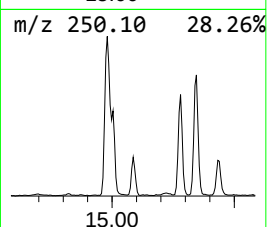
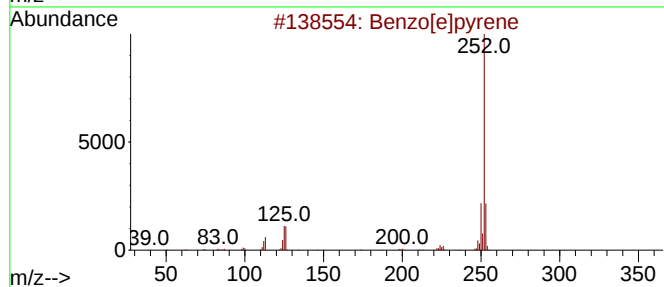
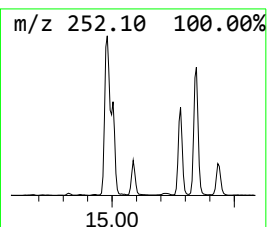
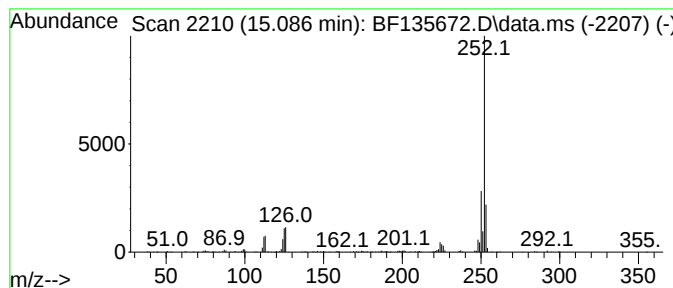
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.086	6.85 ng	174253	Perylene-d12	15.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
4			Benzo[a]pyrene	252	C20H12	000050-32-8	95
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

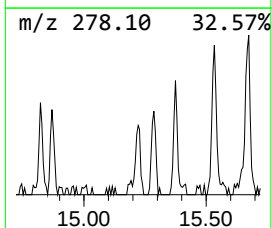
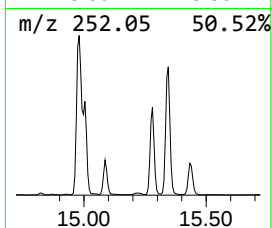
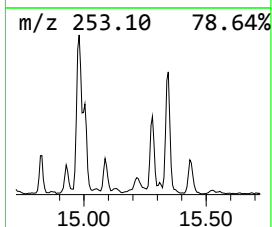
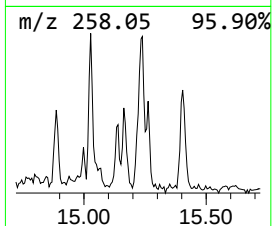
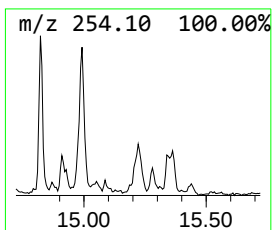
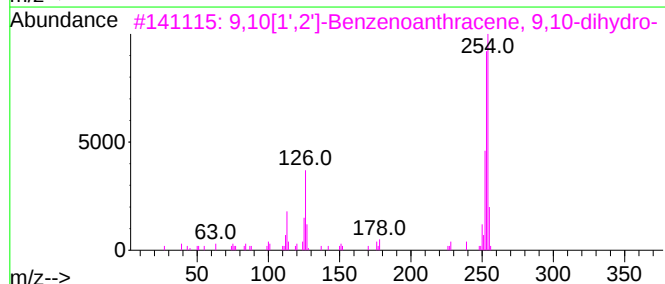
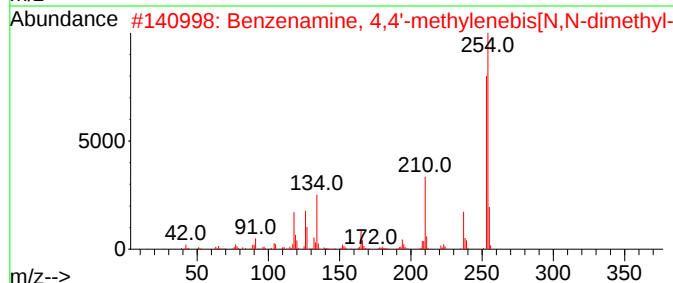
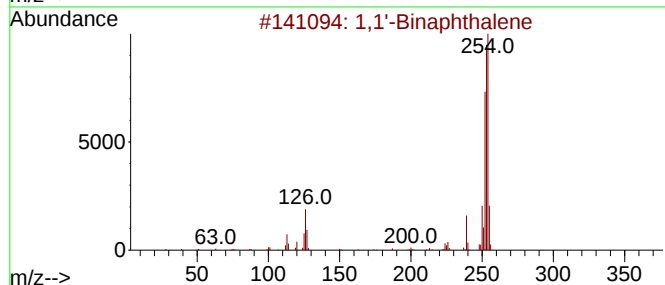
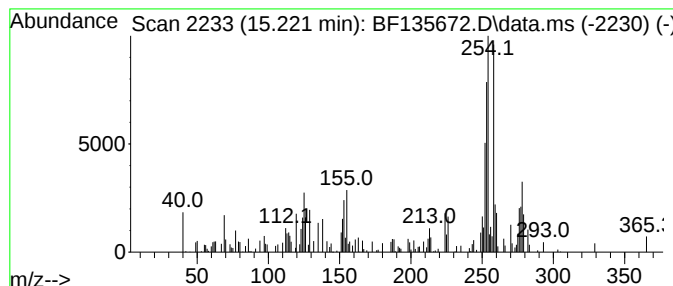
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown15.221 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.221	3.57 ng	90820	Perylene-d12	15.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene			254	C20H14	000604-53-5	27
2	Benzenamine, 4,4'-methylenebis[N...			254	C17H22N2	000101-61-1	27
3	9,10[1',2']-Benzenoanthracene, 9...			254	C20H14	000477-75-8	27
4	1,4-Dibromo-2-fluorobenzene			252	C6H3Br2F	001435-52-5	14
5	4,5-Dibromo-3(2H)-pyridazinone			252	C4H2Br2N2O	005788-58-9	14



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

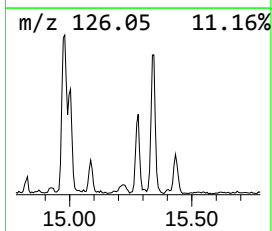
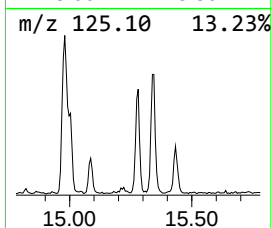
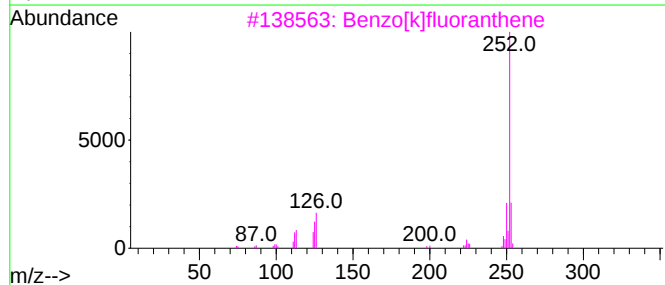
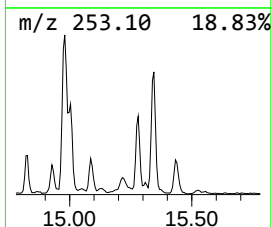
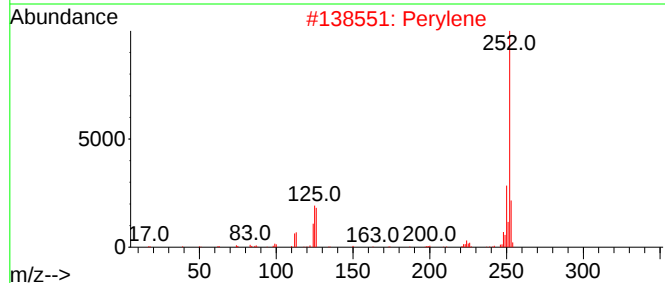
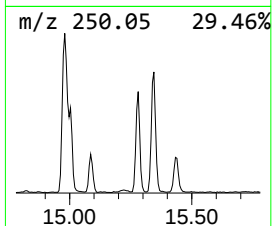
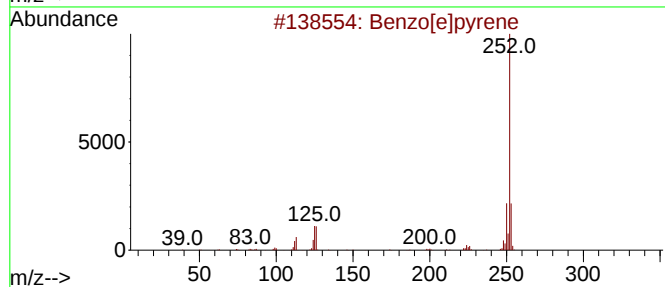
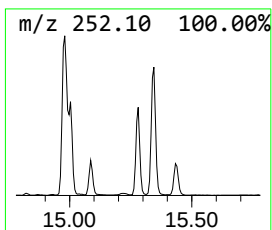
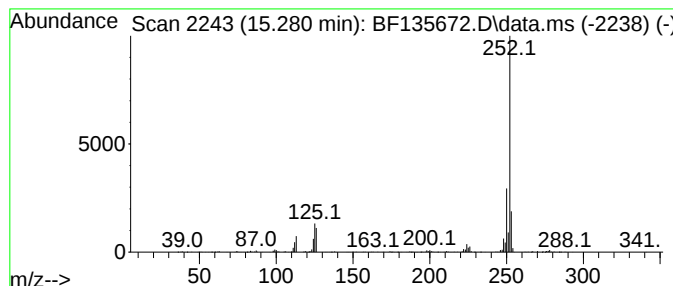
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	22.76 ng	578762	Perylene-d12	15.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Perylene	252	C20H12	000198-55-0	97
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4		Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

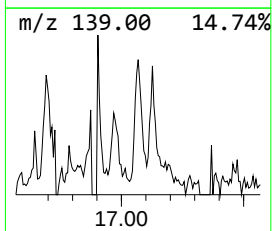
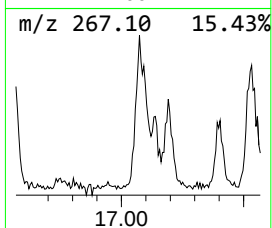
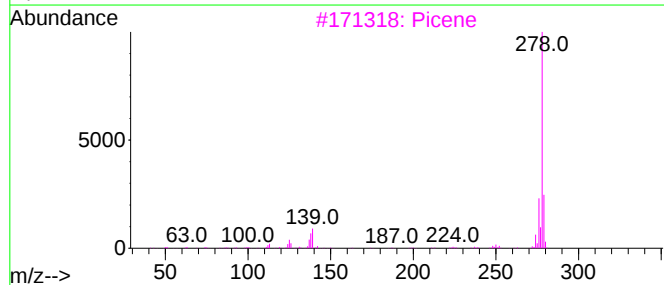
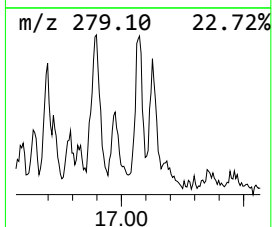
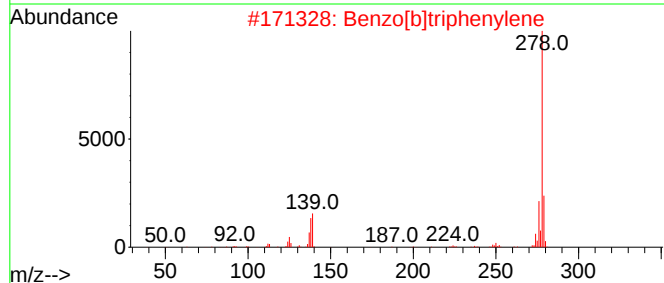
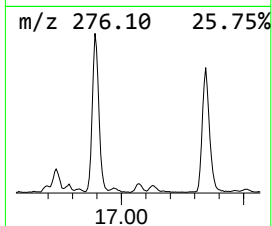
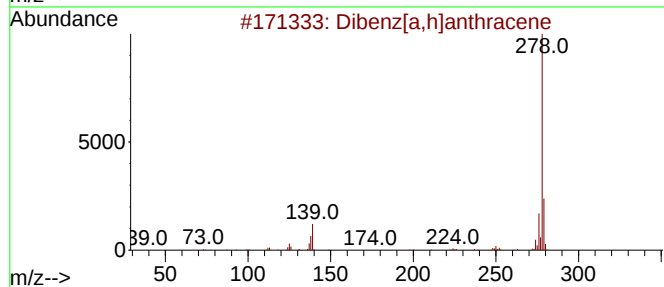
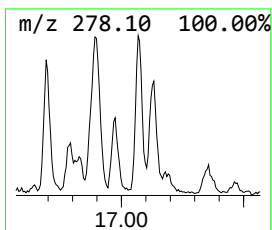
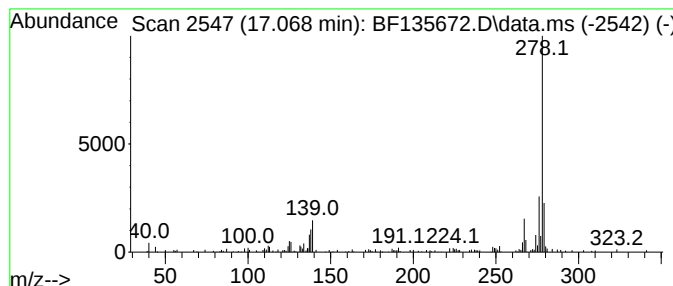
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[b]triphenylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.068	5.37 ng	136509	Perylene-d12	15.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	95
3		Picene	278	C22H14	000213-46-7	93
4		Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	93
5		Pentaphene	278	C22H14	000222-93-5	92



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

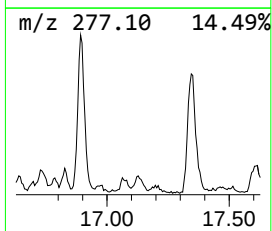
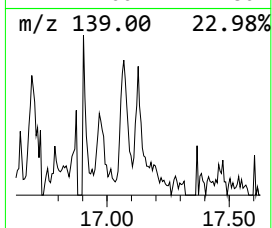
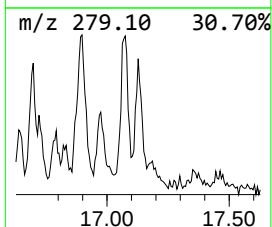
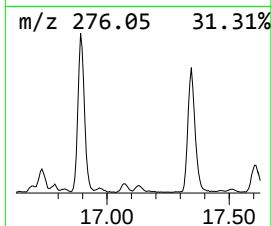
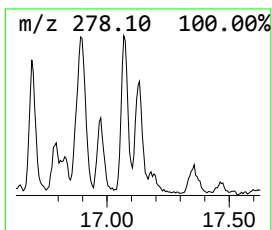
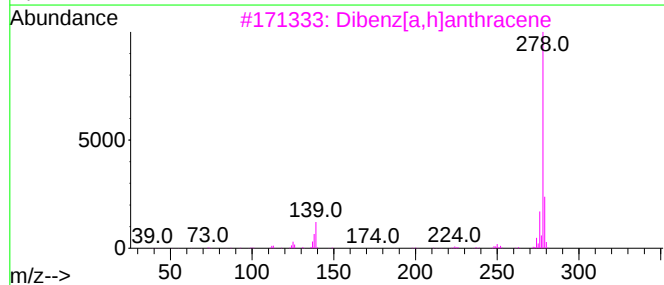
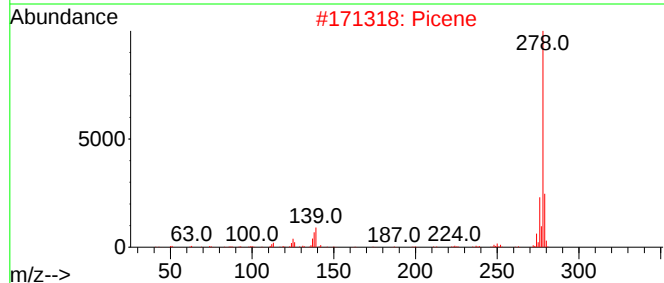
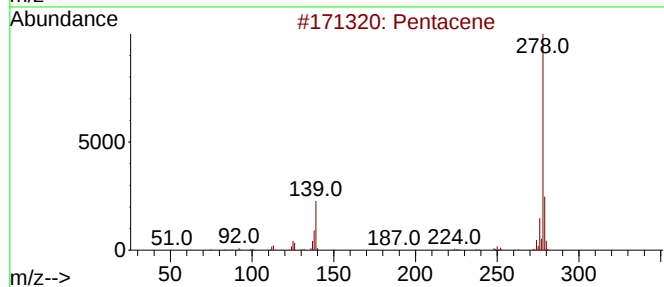
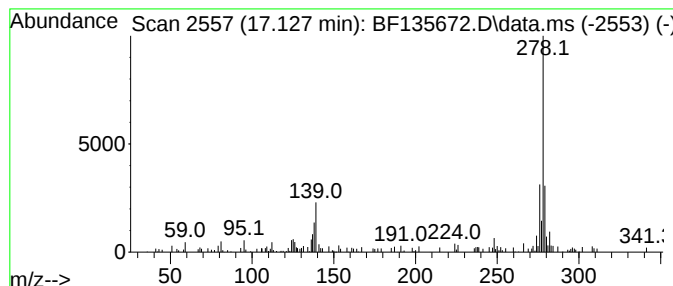
Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pentacene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.127	3.89 ng	98961	Perylene-d12	15.404	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacene	278	C22H14	000135-48-8	96
2	Picene	278	C22H14	000213-46-7	89
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	86
5	Benzo[b]chrysene	278	C22H14	000214-17-5	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135672.D
Acq On : 10 Oct 2023 02:17
Operator : CG\JU
Sample : 04609-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

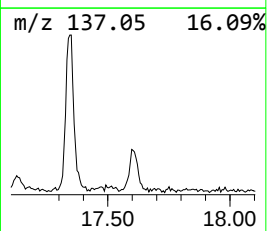
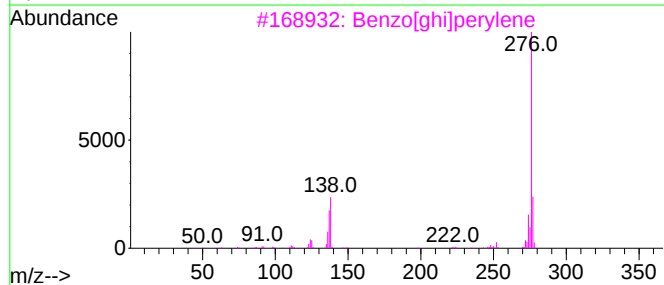
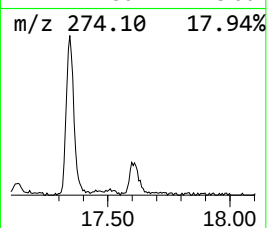
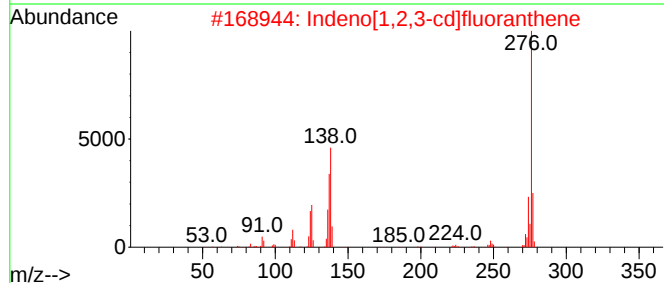
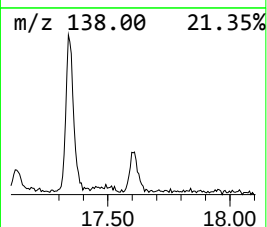
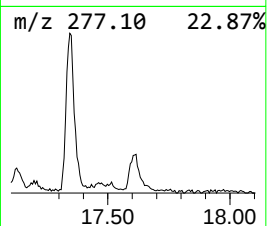
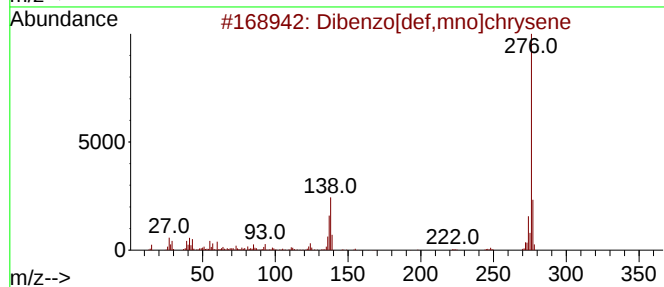
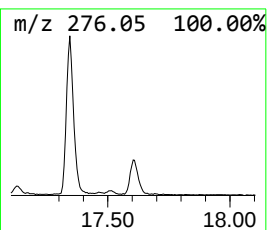
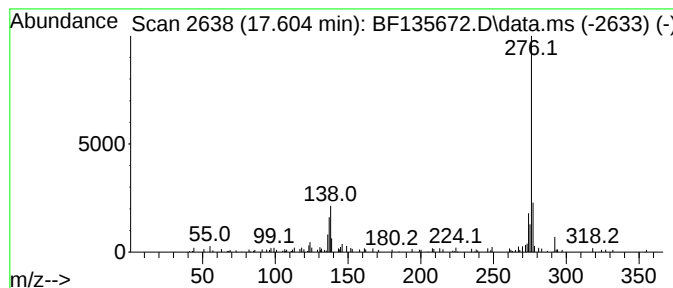
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.604	3.66 ng	92968	Perylene-d12	15.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2			Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	91
3			Benzo[ghi]perylene	276	C22H12	000191-24-2	91
4			Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
5			6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135672.D
 Acq On : 10 Oct 2023 02:17
 Operator : CG\JU
 Sample : 04609-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.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
3-Penten-2-one,...	4.340	4.7	ng	150181	1	6.740	646243	20.0
2-Pentanone, 4-...	4.969	41.2	ng	1330540	1	6.740	646243	20.0
9H-Fluoren-9-one	11.081	3.8	ng	153648	4	11.269	805415	20.0
Dibenzothiophene	11.163	3.7	ng	147510	4	11.269	805415	20.0
Phenanthrene, 2...	11.775	6.4	ng	259320	4	11.269	805415	20.0
Phenanthrene, 1...	11.804	14.8	ng	597246	4	11.269	805415	20.0
Anthracene, 1-m...	11.851	4.2	ng	169157	4	11.269	805415	20.0
4H-Cyclopenta[d...	11.886	12.4	ng	498702	4	11.269	805415	20.0
1H-Indene, 2-ph...	11.910	4.6	ng	186219	4	11.269	805415	20.0
Naphthalene, 2-...	12.069	4.4	ng	178855	4	11.269	805415	20.0
Phenanthrene, 2...	12.328	3.6	ng	143828	4	11.269	805415	20.0
Cyclopenta(def)...	12.428	4.6	ng	184623	4	11.269	805415	20.0
Pyrene, 1-methyl-	13.157	3.2	ng	329895	5	13.933	2066840	20.0
9H-Fluorene, 9-...	14.821	4.5	ng	113127	6	15.404	508474	20.0
Benzo[e]pyrene	15.086	6.8	ng	174253	6	15.404	508474	20.0
unknown15.221	15.221	3.6	ng	90820	6	15.404	508474	20.0
Perylene	15.280	22.8	ng	578762	6	15.404	508474	20.0
Benzo[b]triphen...	17.068	5.4	ng	136509	6	15.404	508474	20.0
Pentacene	17.127	3.9	ng	98961	6	15.404	508474	20.0
Dibenzo[def,mno...	17.604	3.7	ng	92968	6	15.404	508474	20.0