LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136158.D
Acq On : 06 Nov 2023 16:57
Operator : CG\JU
Sample : 05253-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136158.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	7	12	rVB	289665	361494	20.49%	1.054%
2	5.446	567	571	574	rVB	1006563	834240	47.28%	2.433%
3	6.445	737	741	744	rBV	1008477	839100	47.56%	2.447%
4	6.816	801	804	807	rBV	723172	538672	30.53%	1.571%
5	7.375	896	899	902	rVV	753058	561729	31.84%	1.638%
6	8.098	1017	1022	1024	rBV	909685	794438	45.03%	2.317%
7	8.116	1024	1025	1028	rVB	484908	342556	19.42%	0.999%
8	8.810	1140	1143	1146	rVB	321875	233731	13.25%	0.682%
9	8.910	1155	1160	1164	rBV	220599	187734	10.64%	0.548%
10	9.175	1201	1205	1208	rBV	1503150	1121405	63.56%	3.271%
11	9.439	1245	1250	1254	rBV2	112286	156335	8.86%	0.456%
12	9.510	1259	1262	1265	rVV	192769	199874	11.33%	0.583%
13	9.539	1265	1267	1270	rVV	131399	110163	6.24%	0.321%
14	9.581	1270	1274	1276	rVV	95134	101811	5.77%	0.297%
15	9.628	1280	1282	1288	rVB	94155	106854	6.06%	0.312%
16	9.716	1293	1297	1301	rBV	367893	304201	17.24%	0.887%
17	9.857	1314	1321	1324	rBV	940440	830719	47.08%	2.423%
18	10.057	1348	1355	1358	rVB2	185671	175172	9.93%	0.511%
19	10.175	1370	1375	1377	rBV2	95339	110572	6.27%	0.323%
20	10.263	1386	1390	1392	rBV3	70515	87466	4.96%	0.255%
21	10.292	1392	1395	1400	rVB3	87079	127308	7.22%	0.371%
22	10.404	1411	1414	1420	rVB	264650	265829	15.07%	0.775%
23	10.645	1450	1455	1459	rBV	717860	674054	38.20%	1.966%
24	10.769	1474	1476	1482	rVB	196363	231792	13.14%	0.676%
25	10.957	1503	1508	1510	rBV2	101869	137765	7.81%	0.402%
26	11.110	1531	1534	1539	rVV3	61679	90644	5.14%	0.264%
27	11.222	1551	1553	1555	rVV	191662	158386	8.98%	0.462%
28	11.245	1555	1557	1564	rVB2	237955	261857	14.84%	0.764%
29	11.345	1571	1574	1576	rBV	690021	645284	36.57%	1.882%
30	11.375	1576	1579	1582	rVV	1572120	1249315	70.81%	3.644%
31	11.422	1584	1587	1590	rVV	337207	266874	15.13%	0.778%
32	11.457	1590	1593	1596	rVV2	68365	86829	4.92%	0.253%
33	11.651	1623	1626	1628	rVV	282978	222127	12.59%	0.648%
34	11.680	1628	1631	1636	rVB	290983	234126	13.27%	0.683%
35	11.769	1642	1646	1649	rVB	176233	199279	11.29%	0.581%
36	11.857	1657	1661	1663	rVV2	421263	456464	25.87%	1.331%

LSC Area Percent Report

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Misc :
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Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.880	1663	1665	1669	rVV	565899	505195	28.63%	1.474%
38	11.927	1669	1673	1675	rVV	149966	134906	7.65%	0.393%
39	11.963	1675	1679	1682	rVV	628184	676398	38.34%	1.973%
40	11.986	1682	1683	1689	rVB	350488	251488	14.25%	0.734%
41	12.063	1694	1696	1698	rVV	165162	123892	7.02%	0.361%
42	12.086	1698	1700	1703	rVB	140429	111198	6.30%	0.324%
43	12.151	1708	1711	1713	rVV2	292782	273798	15.52%	0.799%
44	12.180	1713	1716	1719	rVB2	124851	153081	8.68%	0.447%
45	12.257	1724	1729	1731	rVV2	87994	172276	9.76%	0.502%
46	12.280	1731	1733	1735	rVV	152223	154304	8.75%	0.450%
47	12.304	1735	1737	1739	rVV	117068	133355	7.56%	0.389%
48	12.333	1739	1742	1744	rVV2	195080	228339	12.94%	0.666%
49	12.357	1744	1746	1748	rVV2	141600	123107	6.98%	0.359%
50	12.410	1751	1755	1757	rVV	409825	441766	25.04%	1.289%
51	12.445	1757	1761	1766	rVV3	264984	537483	30.46%	1.568%
52	12.492	1766	1769	1773	rVV2	207282	303861	17.22%	0.886%
53	12.527	1773	1775	1778	rVV	113660	118543	6.72%	0.346%
54	12.569	1778	1782	1786	rVV	1232810	1159825	65.74%	3.383%
55	12.616	1787	1790	1792	rVV	142041	173310	9.82%	0.506%
56	12.663	1795	1798	1802	rVV2	240833	293425	16.63%	0.856%
57	12.698	1802	1804	1806	rVV2	92709	108589	6.15%	0.317%
58	12.722	1806	1808	1816	rVV3	213085	354365	20.08%	1.034%
59	12.804	1816	1822	1825	rVV	1738922	1764366	100.00%	5.146%
60	12.827	1825	1826	1828	rVV	145177	113997	6.46%	0.333%
61	12.857	1828	1831	1835	rVV2	136021	174590	9.90%	0.509%
62	12.916	1838	1841	1843	rVV2	103355	113929	6.46%	0.332%
63	12.945	1843	1846	1853	rVV	951826	970901	55.03%	2.832%
64	13.022	1855	1859	1866	rVV3	235333	389819	22.09%	1.137%
65	13.074	1866	1868	1870	rVV	133567	114706	6.50%	0.335%
66	13.110	1870	1874	1875	rVV2	216917	283638	16.08%	0.827%
67	13.127	1875	1877	1880	rVV	354894	330582	18.74%	0.964%
68	13.174	1881	1885	1886	rVV3	83098	96728	5.48%	0.282%
69	13.198	1886	1889	1892	rVV2	248618	262658	14.89%	0.766%
70	13.233	1892	1895	1899	rVV	376222	382876	21.70%	1.117%
71	13.298	1903	1906	1908	rVV2	71603	92038	5.22%	0.268%
72	13.327	1908	1911	1913	rVV	329206	285135	16.16%	0.832%
73	13.357	1913	1916	1920	rVV	298576	275427	15.61%	0.803%
74	13.539	1943	1947	1949	rBV2	97348	118277	6.70%	0.345%
75	13.639	1958	1964	1969	rVB2	125456	209707	11.89%	0.612%
76	13.751	1977	1983	1986	rBV2	325325	421252	23.88%	1.229%

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Sample : 05253-01
Misc :
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Instrument :
BNA_F
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L-1(65FT)(5-10)

Integration Parameters: rteint.p
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Smoothing : ON Filtering: 5
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.780	1986	1988	1990	rBV	142695	105608	5.99%	0.308%
78	13.998	2021	2025	2029	rBV2	1012128	1467016	83.15%	4.279%
79	14.033	2029	2031	2037	rVB	819456	742810	42.10%	2.167%
80	14.092	2038	2041	2046	rVB2	121072	111645	6.33%	0.326%
81	14.151	2048	2051	2053	rBV2	99918	122801	6.96%	0.358%
82	14.263	2067	2070	2073	rVB	133020	134640	7.63%	0.393%
83	14.398	2088	2093	2096	rVV	351215	424489	24.06%	1.238%
84	14.433	2096	2099	2101	rVV	186706	186651	10.58%	0.544%
85	14.468	2101	2105	2106	rVV2	91764	116997	6.63%	0.341%
86	14.492	2106	2109	2112	rVV3	214800	257283	14.58%	0.750%
87	14.521	2112	2114	2116	rVV	202960	199216	11.29%	0.581%
88	14.545	2116	2118	2121	rVV2	151880	154988	8.78%	0.452%
89	14.598	2123	2127	2130	rVV3	101879	144346	8.18%	0.421%
90	14.651	2133	2136	2141	rVB3	73270	91337	5.18%	0.266%
91	14.733	2148	2150	2157	rVB3	77070	118306	6.71%	0.345%
92	14.827	2161	2166	2170	rVB2	87884	152119	8.62%	0.444%
93	15.063	2200	2206	2213	rBV	470938	1021675	57.91%	2.980%
94	15.168	2220	2224	2229	rVB	178903	201291	11.41%	0.587%
95	15.368	2254	2258	2263	rVB	371926	435877	24.70%	1.271%
96	15.433	2264	2269	2274	rVB	570041	707642	40.11%	2.064%
97	15.498	2275	2280	2283	rBV	409244	496224	28.12%	1.447%
98	16.068	2375	2377	2383	rVB3	67698	99017	5.61%	0.289%
99	17.004	2530	2536	2545	rVB2	146678	317448	17.99%	0.926%
100	17.462	2607	2614	2621	rBV	118547	235681	13.36%	0.687%

Sum of corrected areas: 34284436

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
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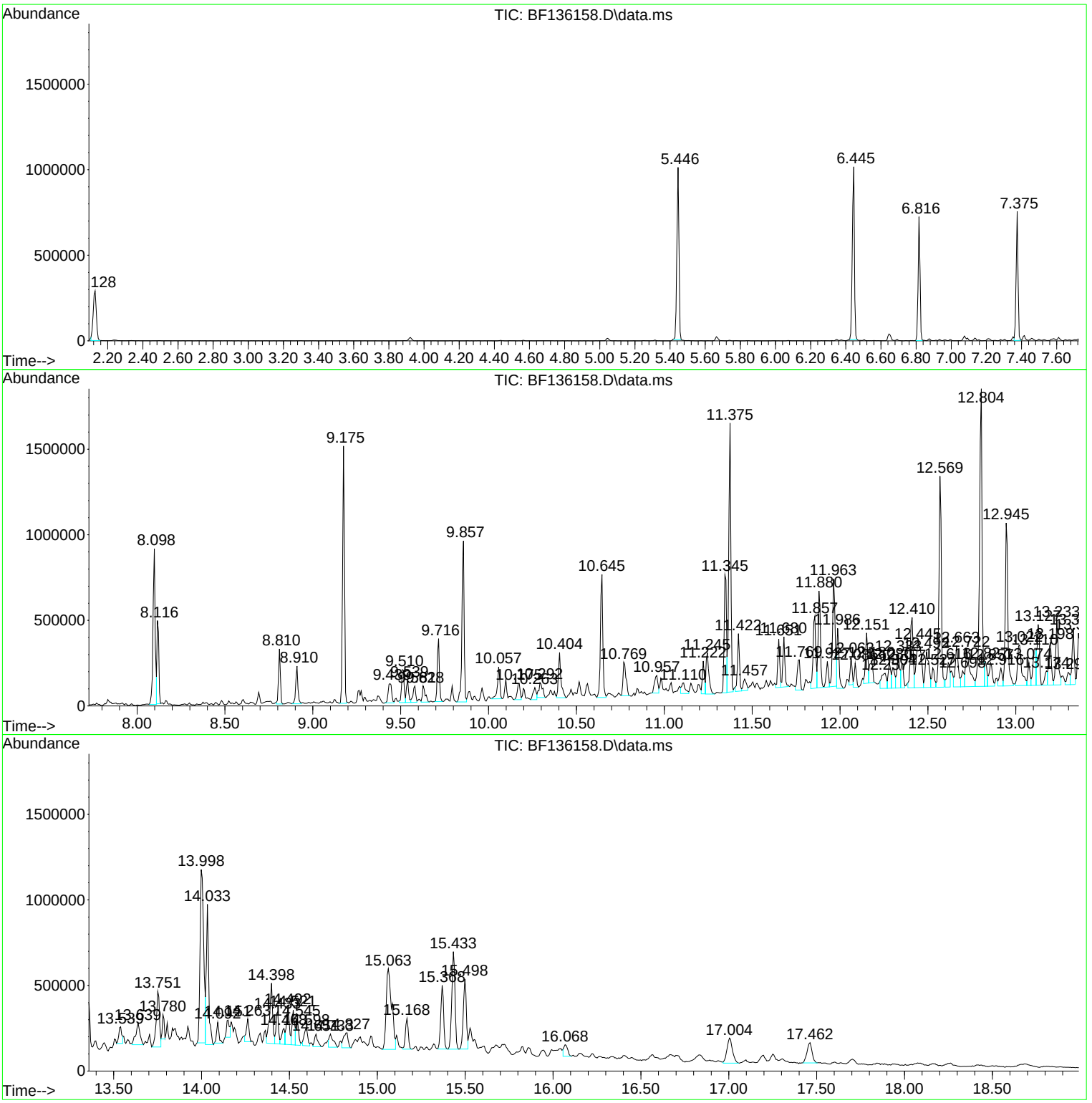
Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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\BF110623\
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

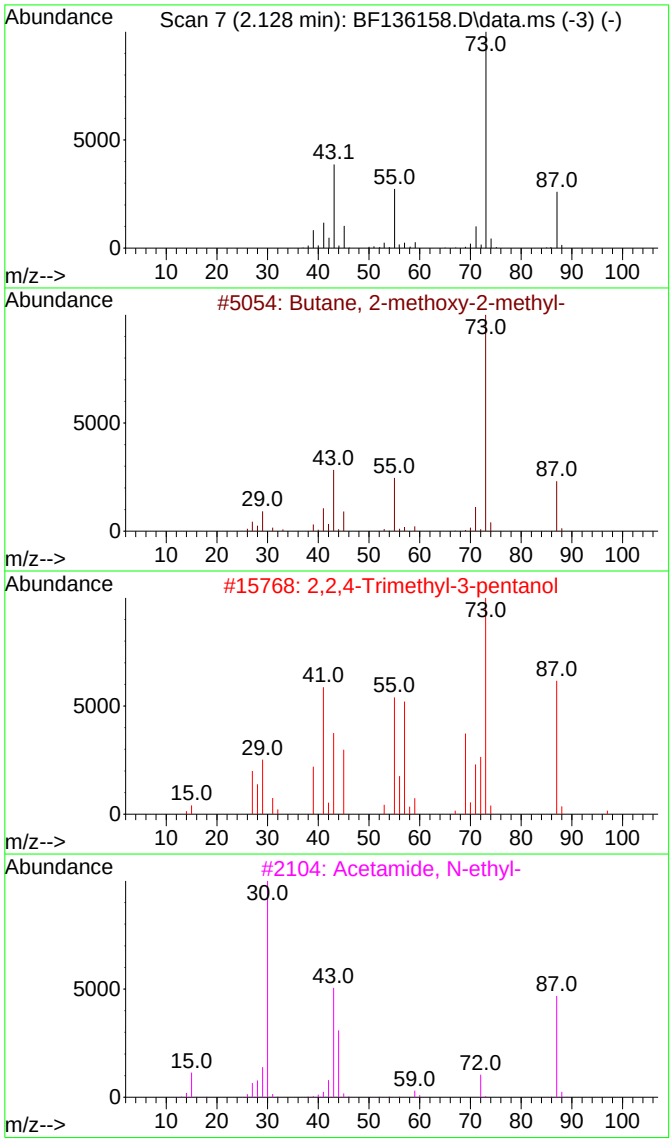
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

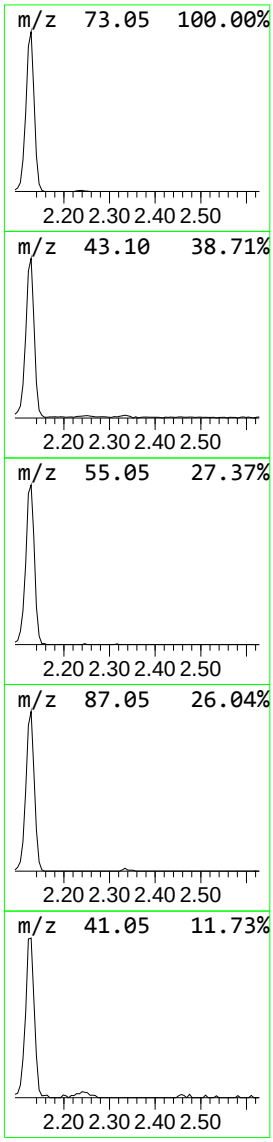
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	13.42 ng	361494	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	50
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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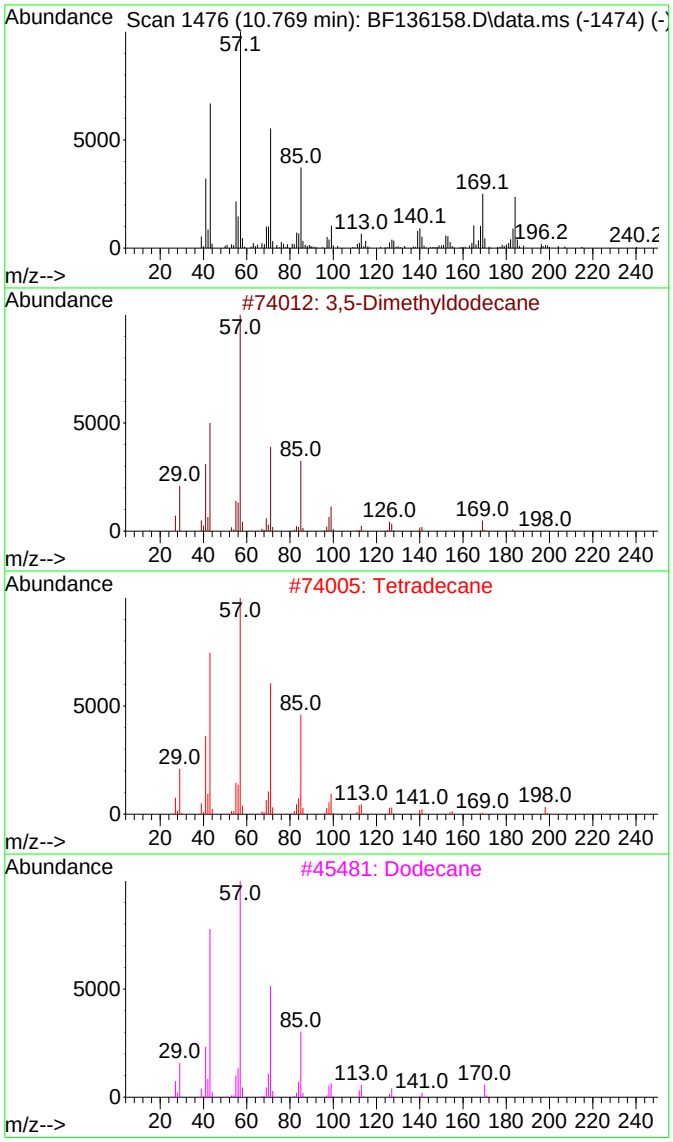
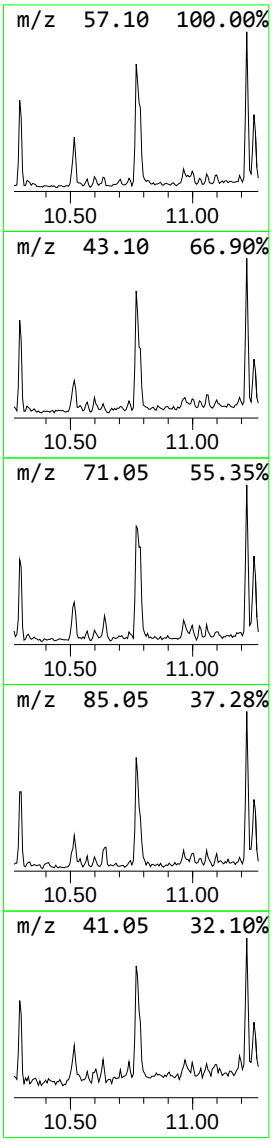
****

Peak Number 2 3,5-Dimethyldodecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.769	7.18 ng	231792	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyldodecane	198	C14H30	107770-99-0	70
2	Tetradecane	198	C14H30	000629-59-4	55
3	Dodecane	170	C12H26	000112-40-3	55
4	Heneicosane	296	C21H44	000629-94-7	49
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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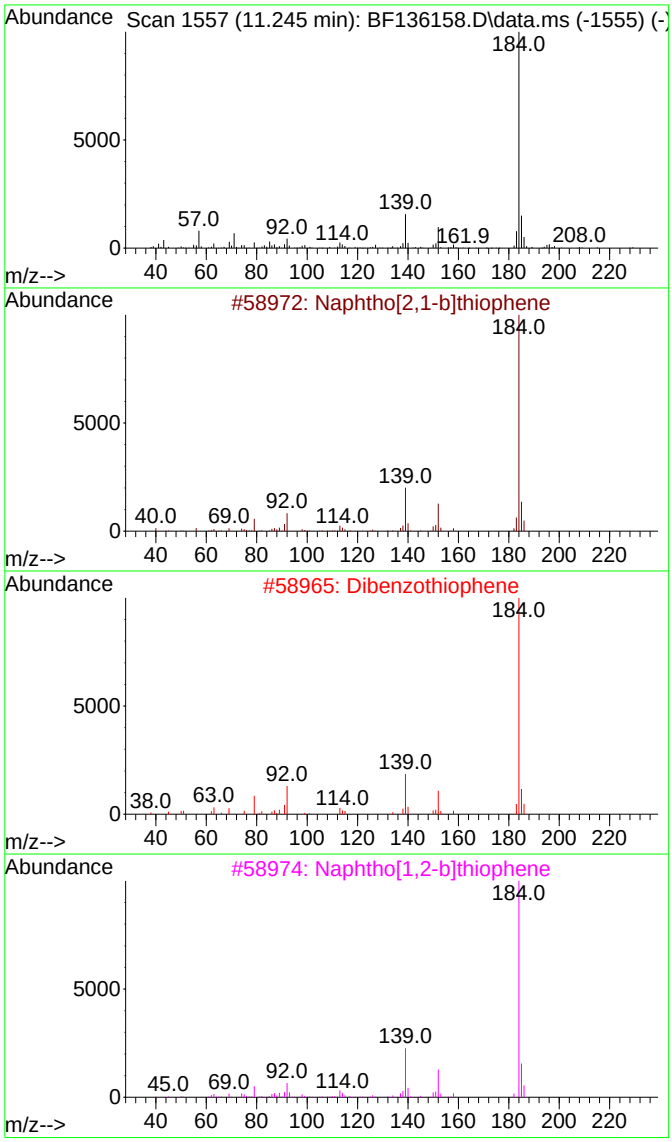
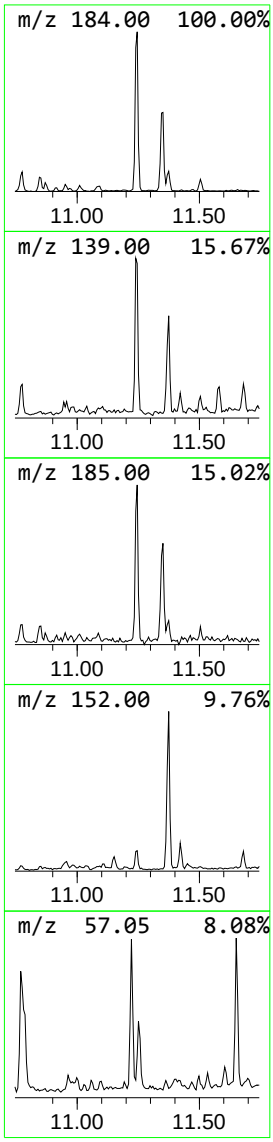
Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.245	8.12 ng	261857	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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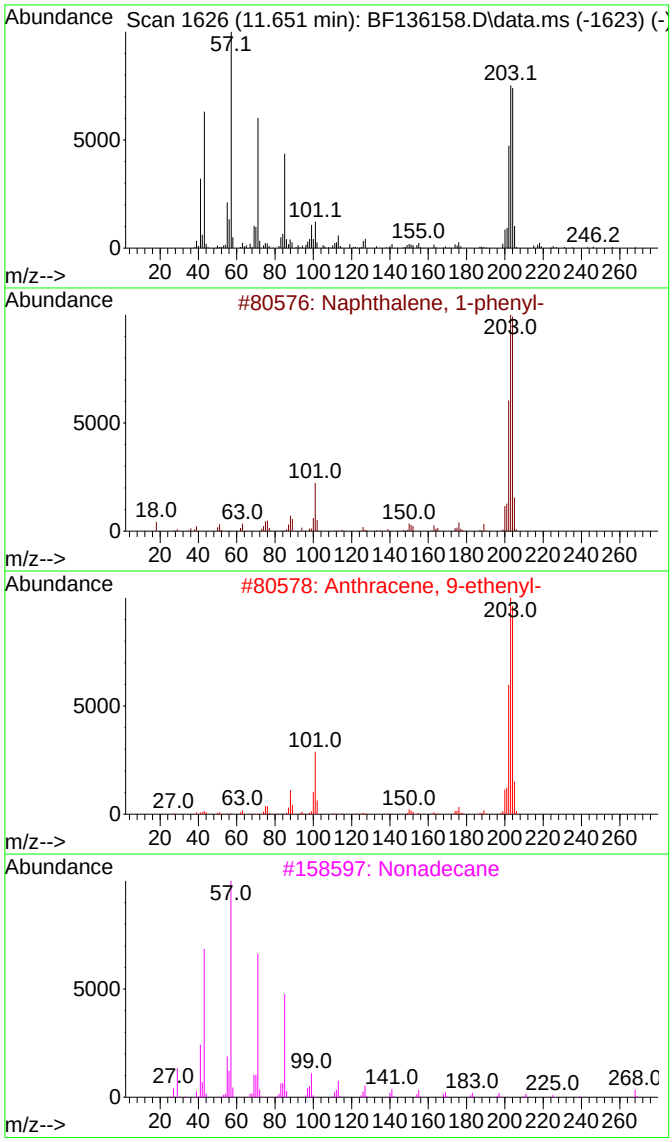
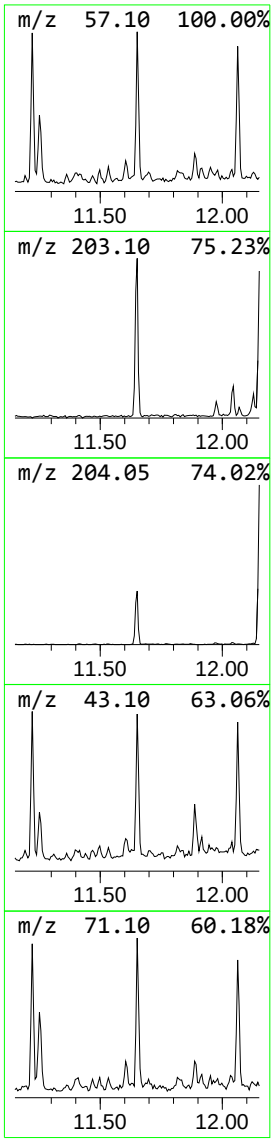
Peak Number 4 Naphthalene, 1-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.651	6.88 ng	222127	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	70
3	Nonadecane	268	C19H40	000629-92-5	68
4	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	46
5	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136158.D
Acq On : 06 Nov 2023 16:57
Operator : CG\JU
Sample : 05253-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

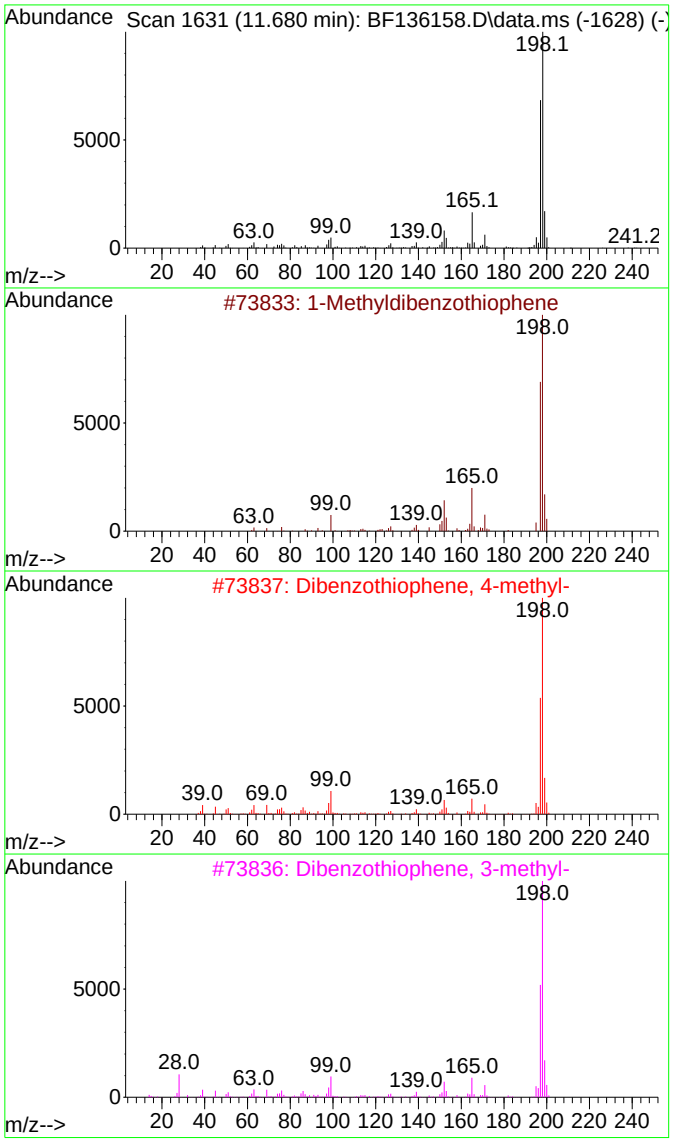
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

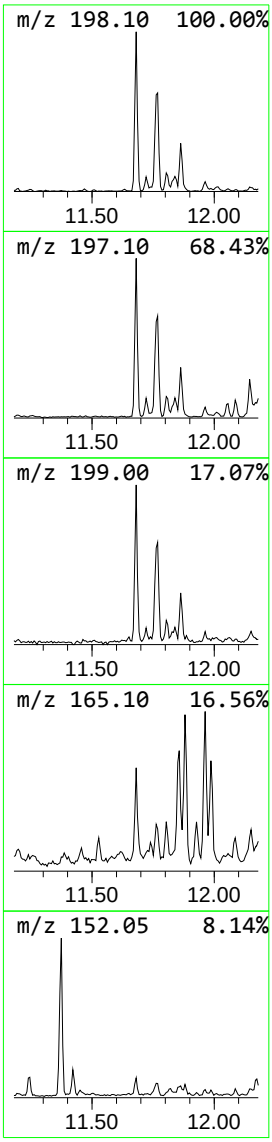
****

Peak Number 5 1-Methyldibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.680	7.26 ng	234126	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	96
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	95
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	86





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Acq On : 06 Nov 2023 16:57
Operator : CG\JU
Sample : 05253-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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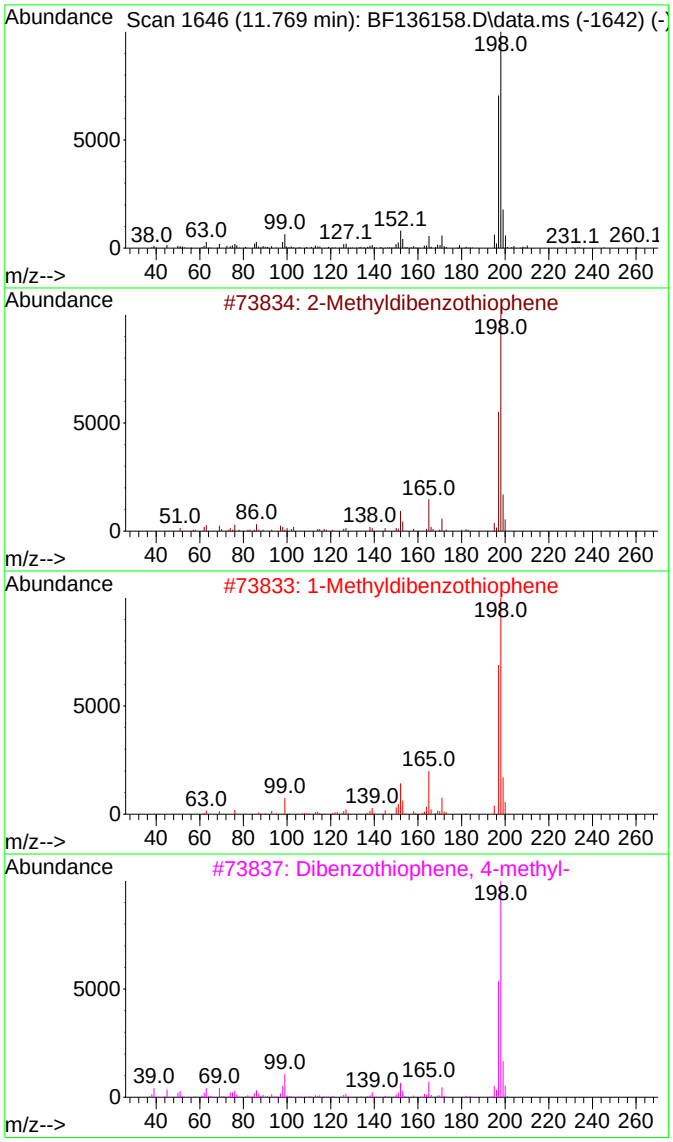
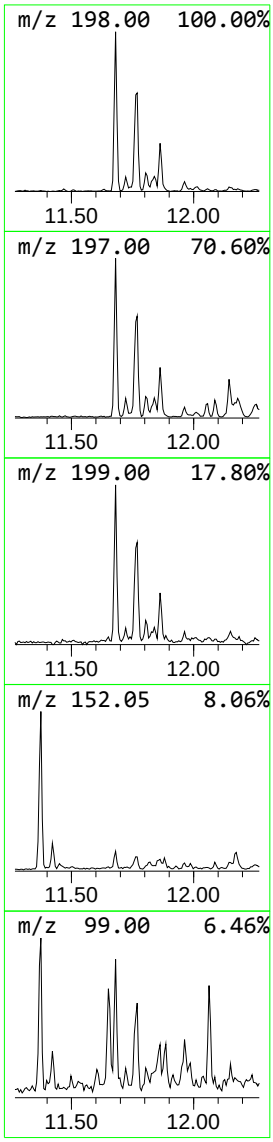
Peak Number 6 2-Methyldibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.769	6.18 ng	199279	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	90
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	86
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	86
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80





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Sample : 05253-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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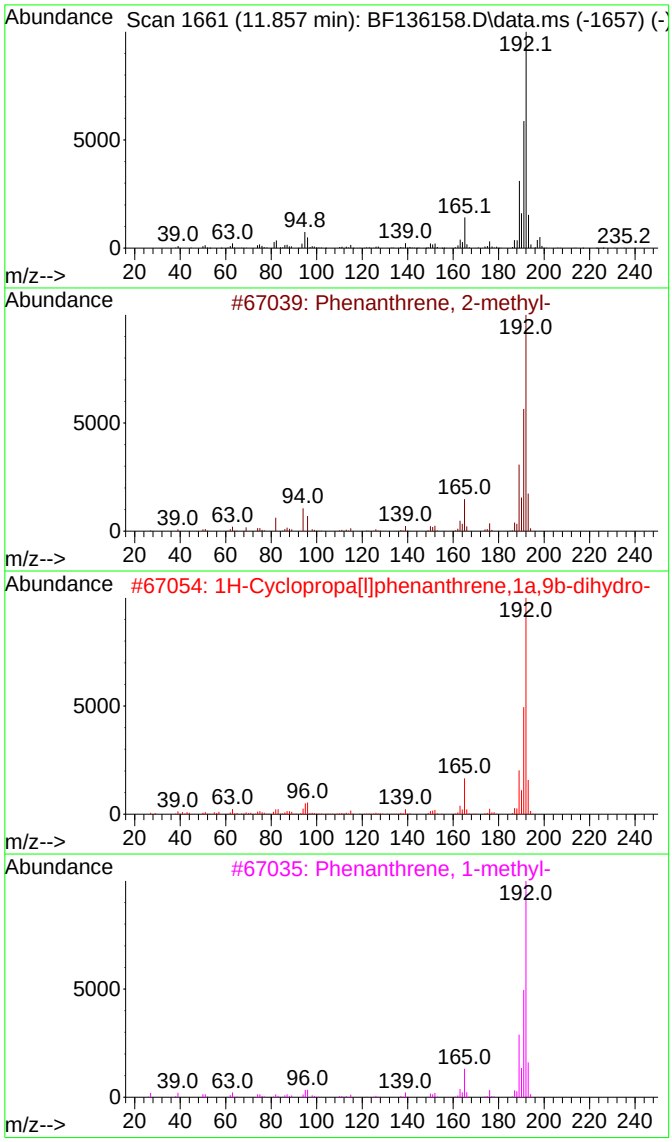
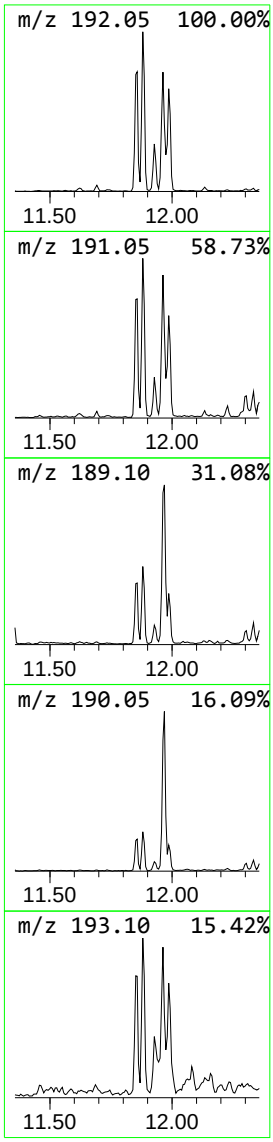
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	14.15 ng	456464	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Sample : 05253-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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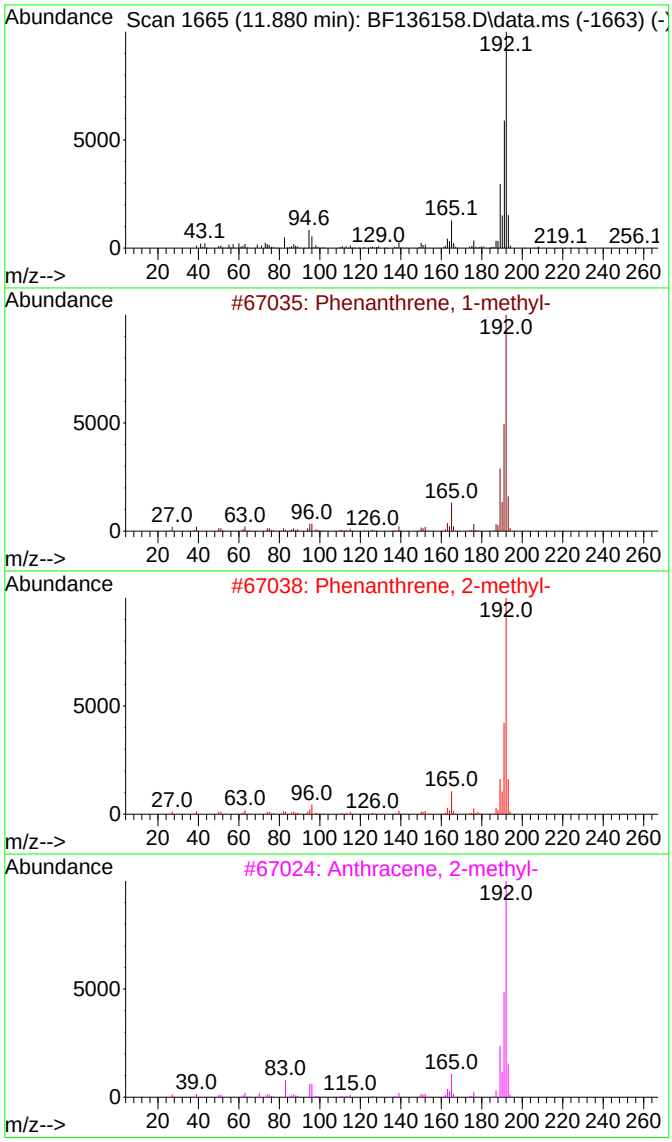
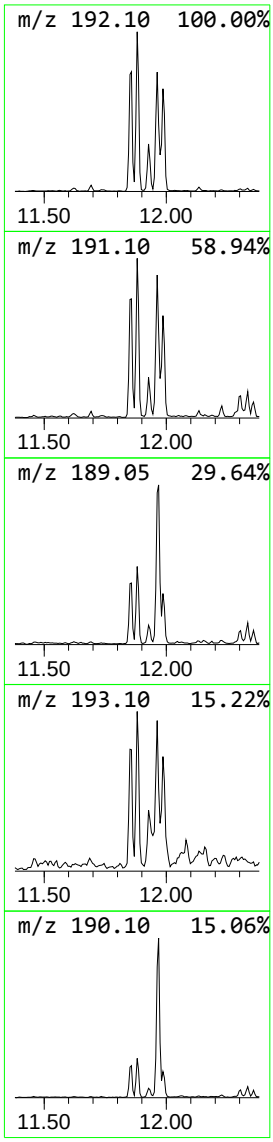
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	15.66 ng	505195	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Operator : CG\JU
Sample : 05253-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

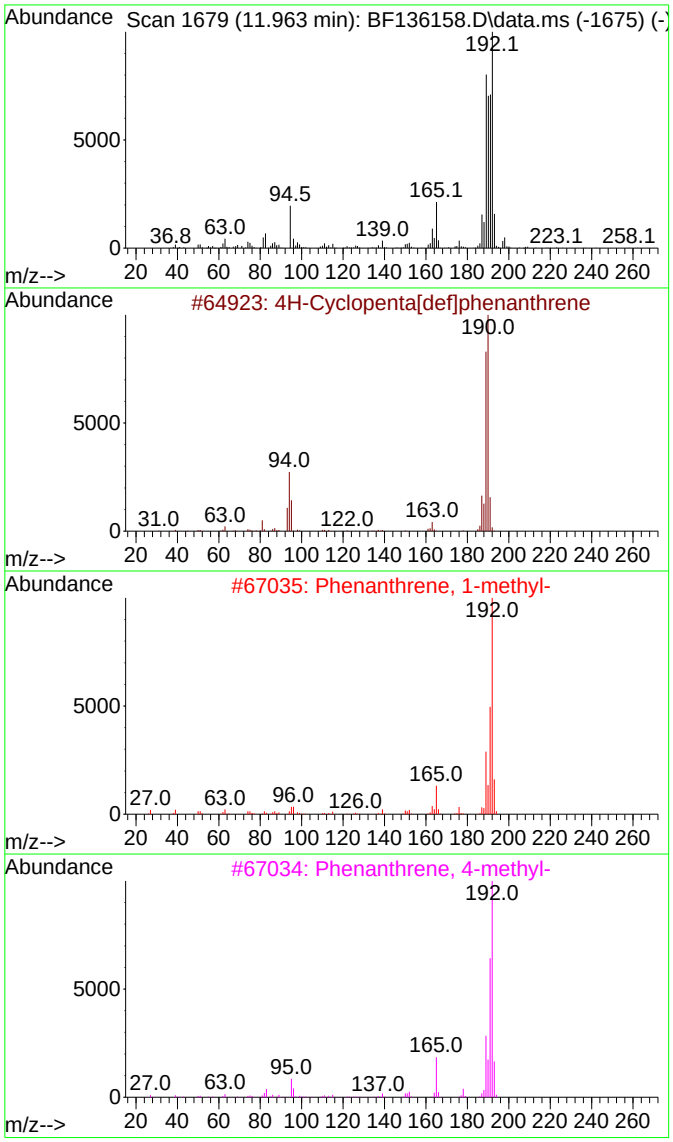
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

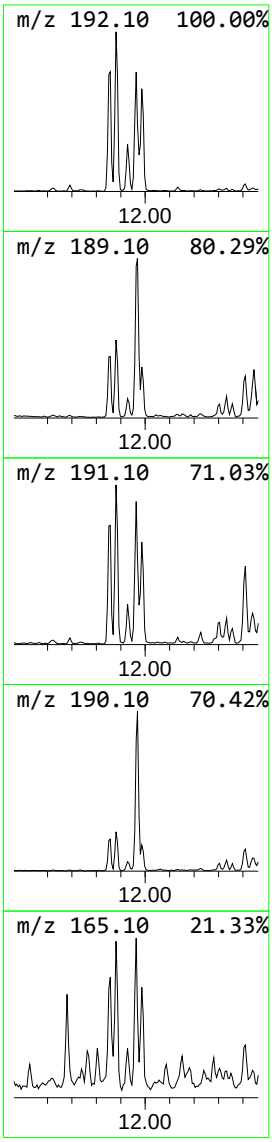
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	20.96 ng	676398	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	50
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50





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Sample : 05253-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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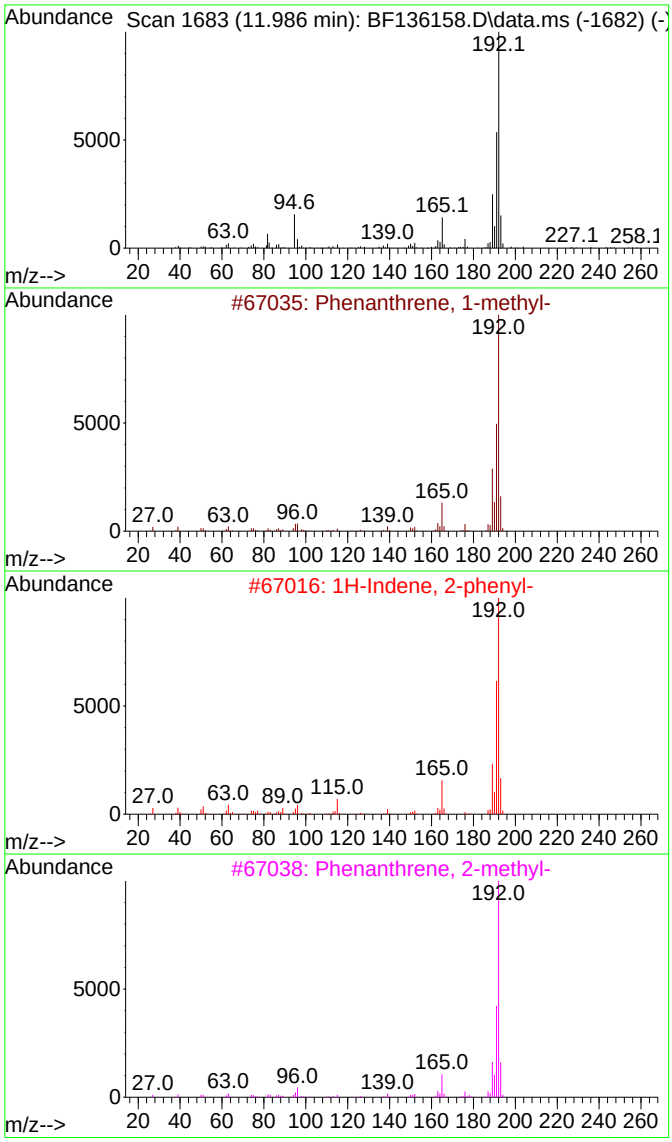
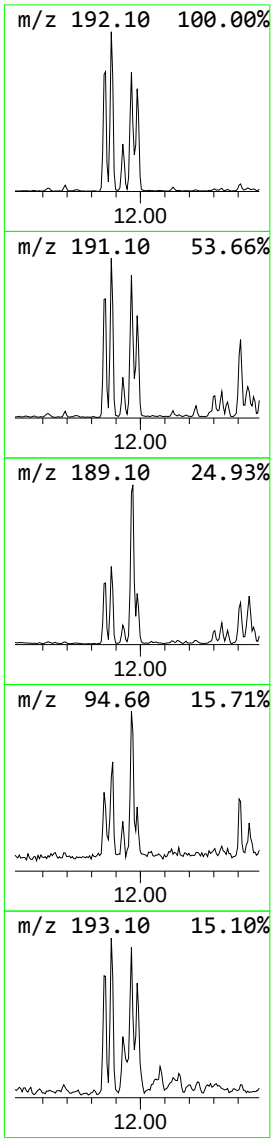
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	7.79 ng	251488	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Sample : 05253-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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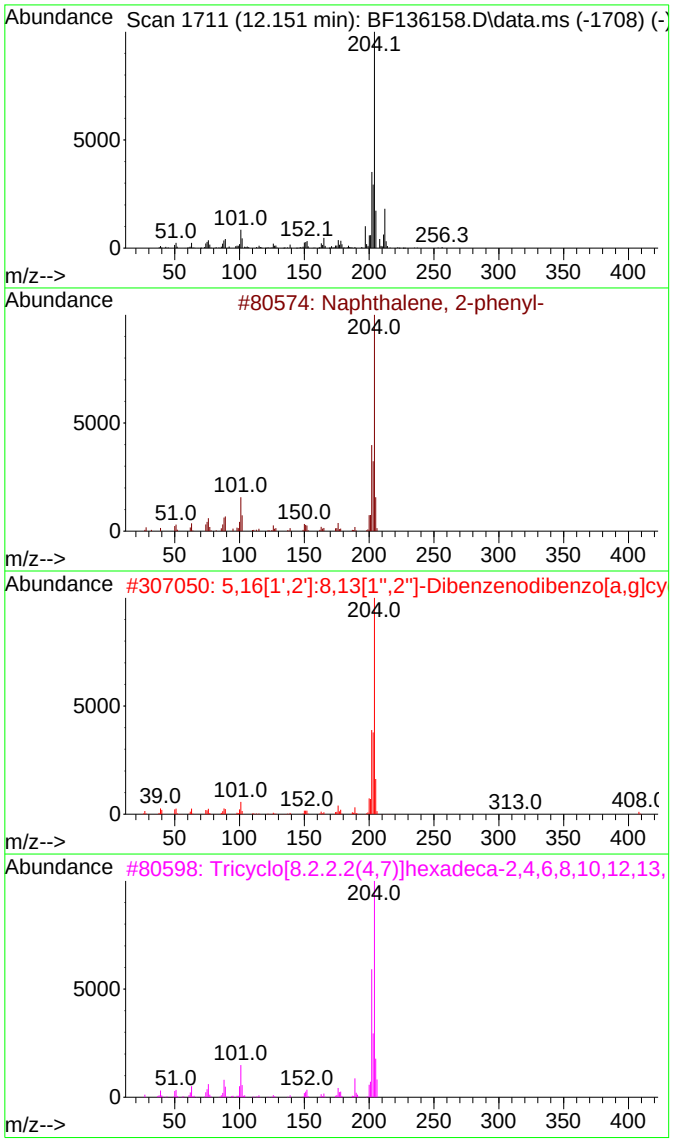
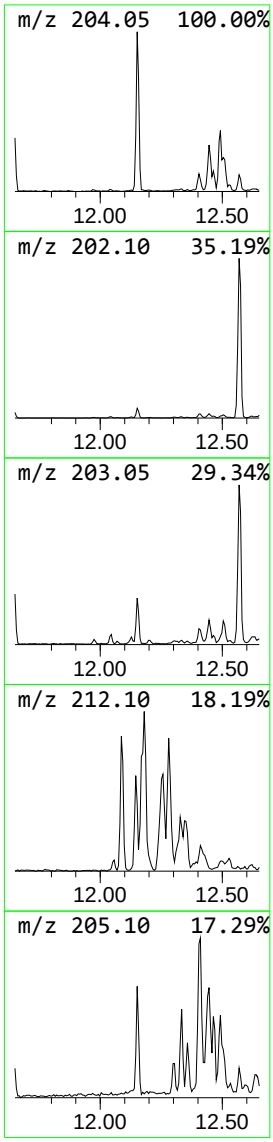
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.151	8.49 ng	273798	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49





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Sample : 05253-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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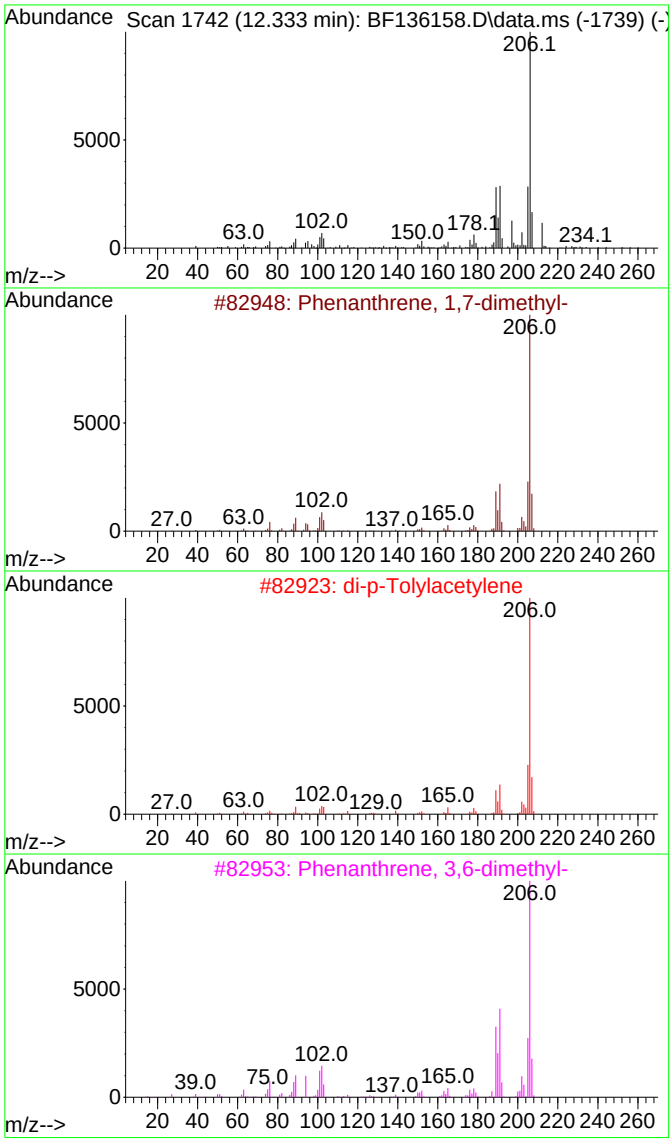
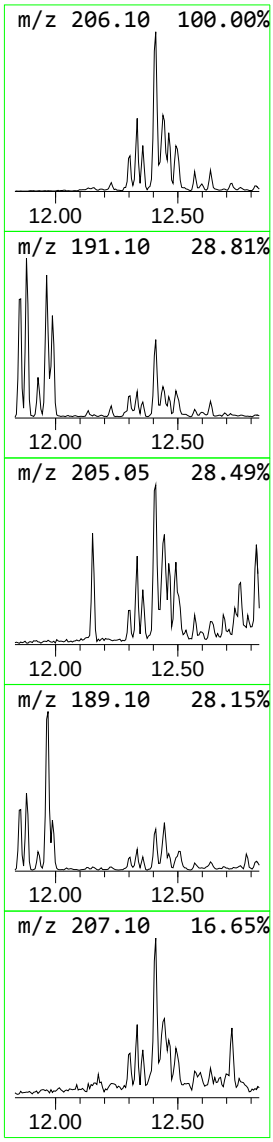
Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.333	7.08 ng	228339	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76





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Sample : 05253-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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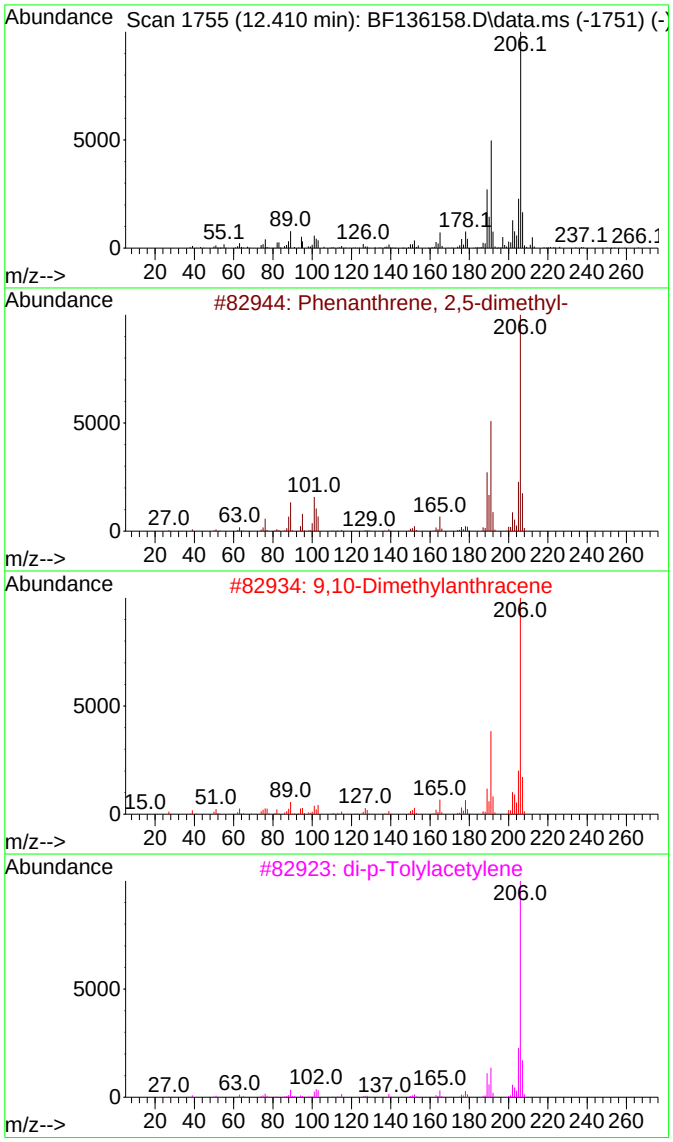
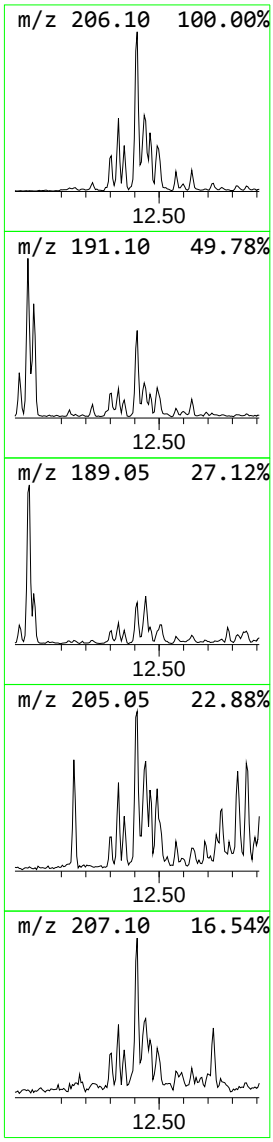
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	13.69 ng	441766	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
L-1(65FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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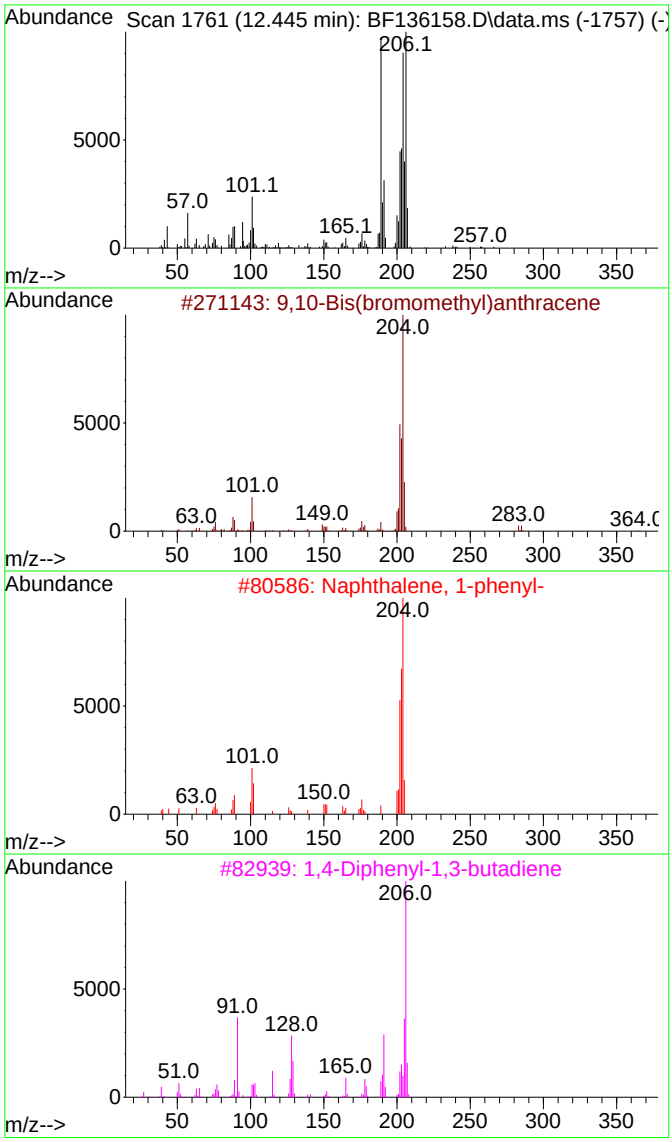
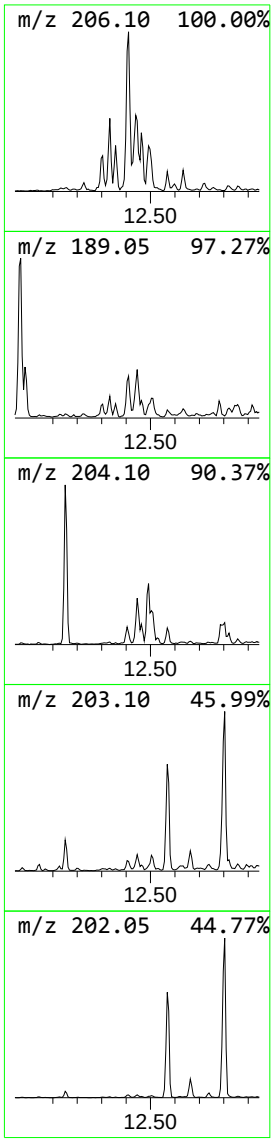
Peak Number 14 unknown12.445 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	16.66 ng	537483	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	30
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	30
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30





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ClientSampleId :
L-1(65FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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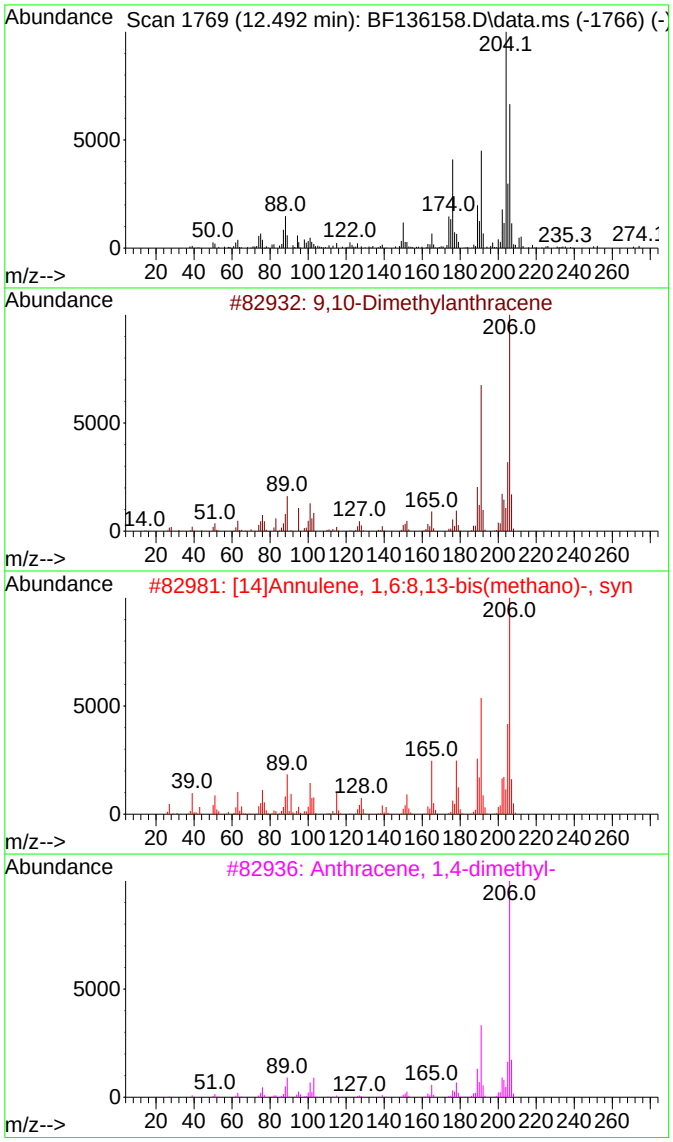
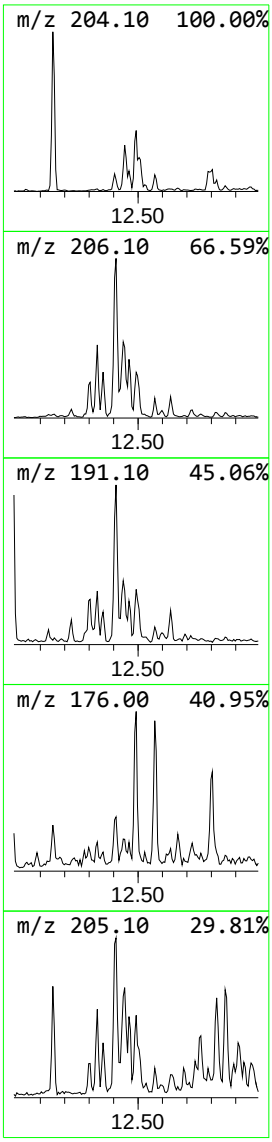
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	9.42 ng	303861	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	45
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	43
4	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	42
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	38





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L-1(65FT)(5-10)

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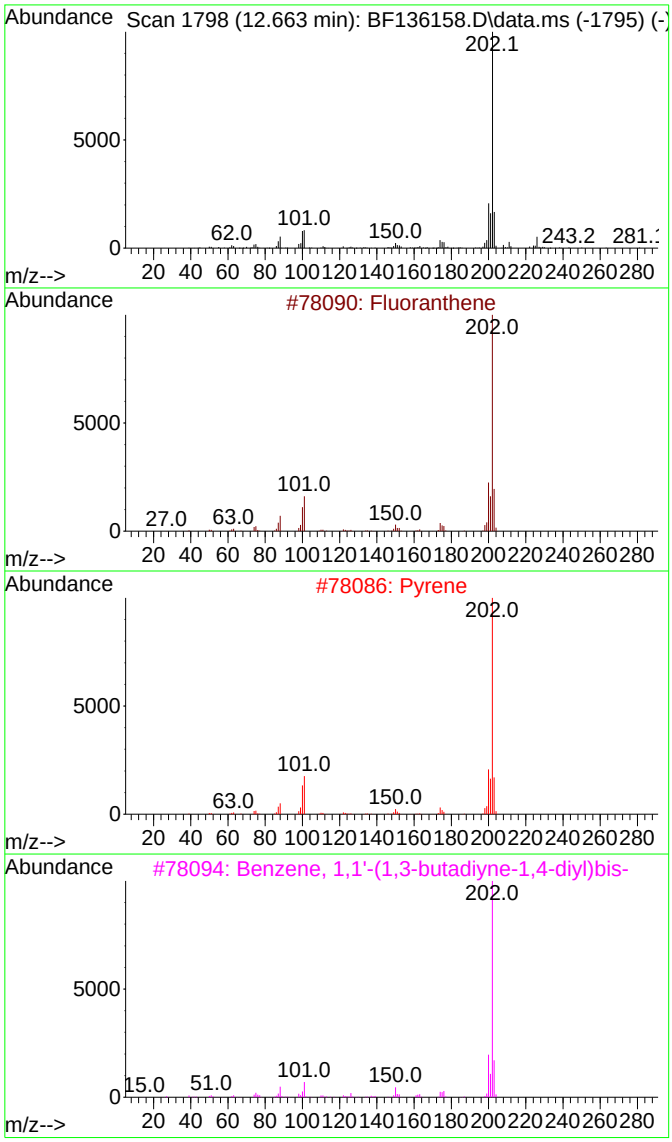
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

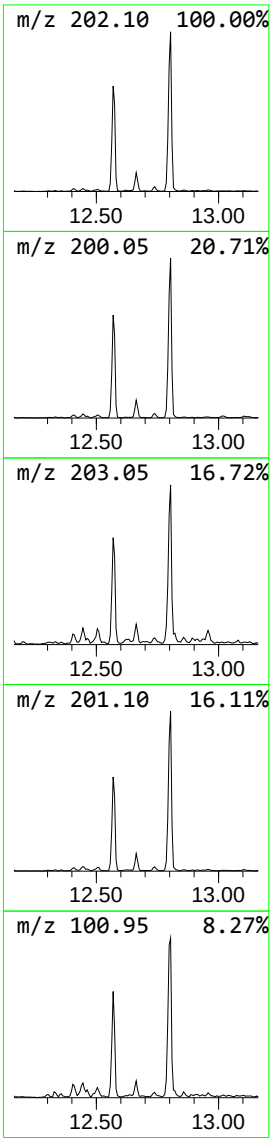
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.663	9.09 ng	293425	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	96
2	Pyrene	202	C16H10	000129-00-0	89
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	76
4	1-Methyl-7,11-dithiaspiro[5,5] u...	202	C10H18S2	107678-22-8	43
5	Succinic acid, di(4-cyanophenyl)...	320	C18H12N2O4	1000360-71-2	40





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Data File : BF136158.D
Acq On : 06 Nov 2023 16:57
Operator : CG\JU
Sample : 05253-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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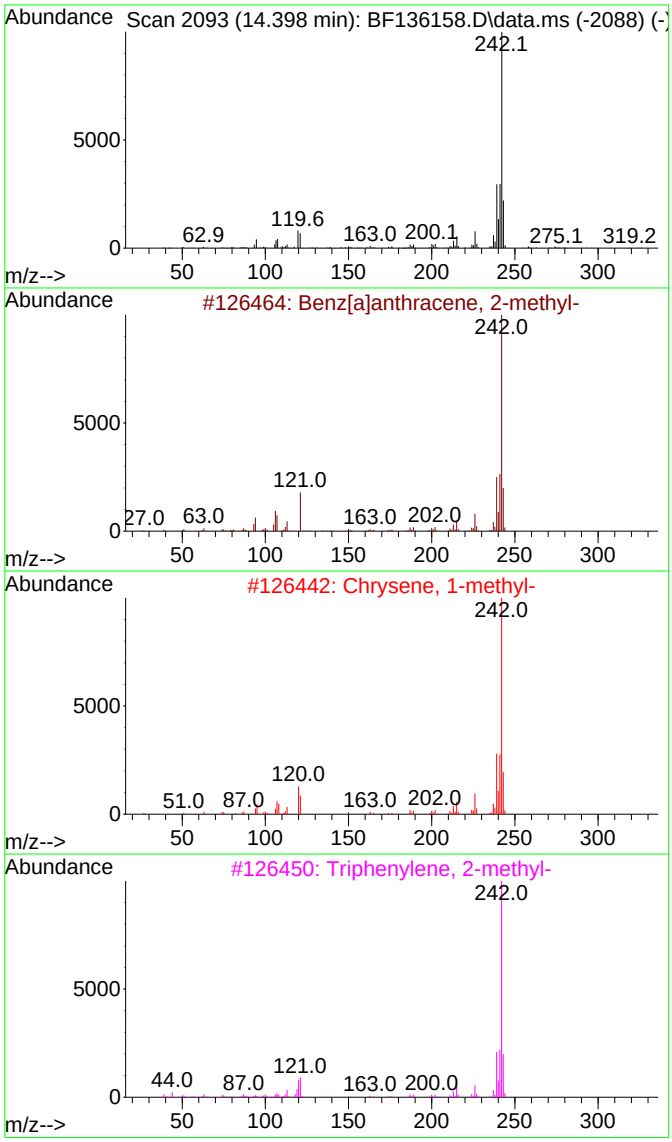
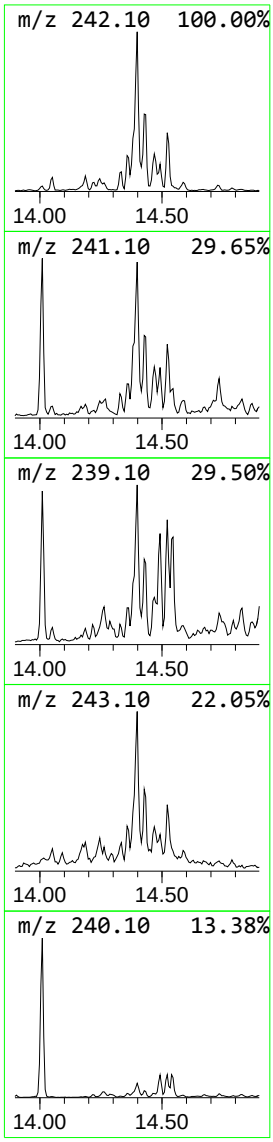
Peak Number 17 Benz[a]anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.398	5.79 ng	424489	Chrysene-d12	14.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	97
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90





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Data File : BF136158.D
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Operator : CG\JU
Sample : 05253-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

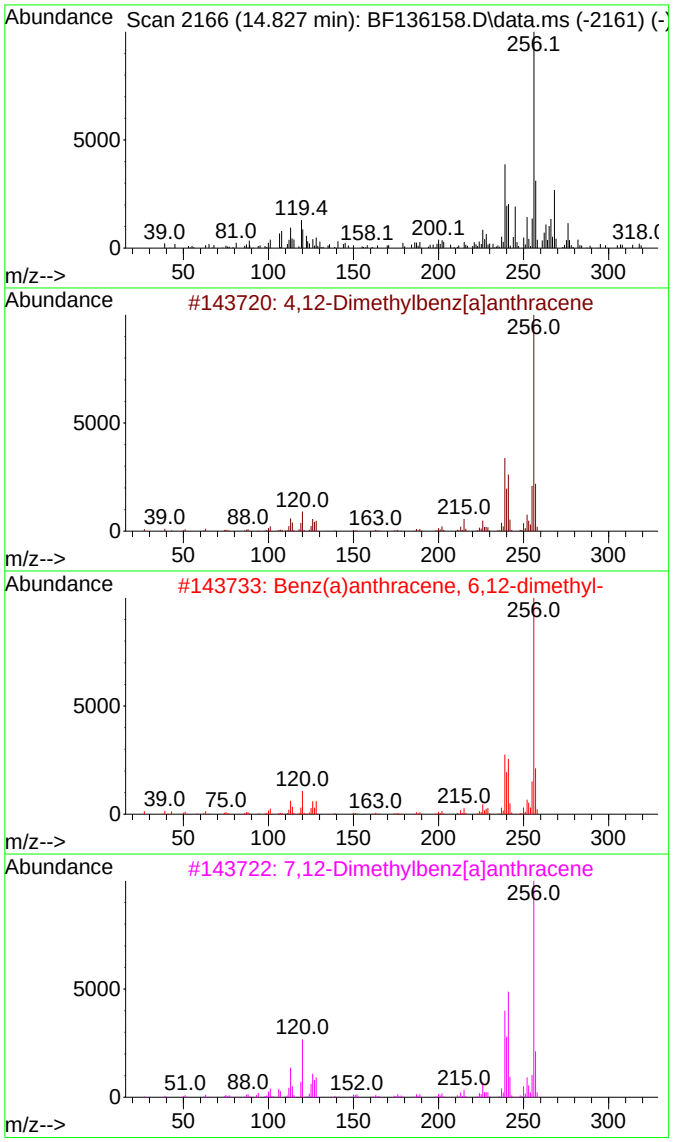
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

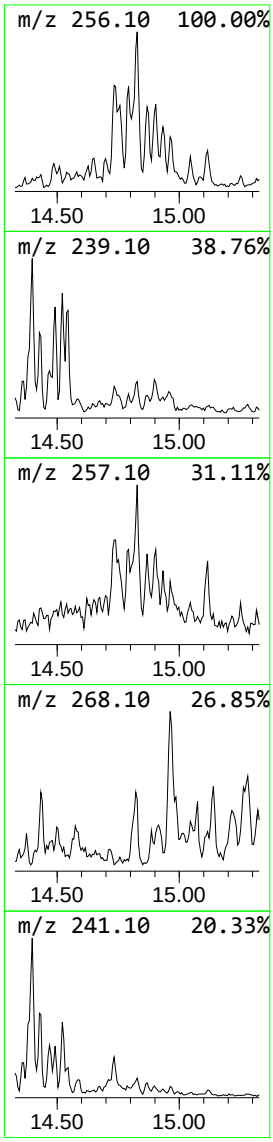
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 4,12-Dimethylbenz[a]anthracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.827	6.13 ng	152119	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	91
2	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	78
3	7,12-Dimethylbenz[a]anthracene	256	C20H16	000057-97-6	64
4	Benzo[c]phenanthrene, 1,12-dimet...	256	C20H16	004076-43-1	64
5	Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	60





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Data File : BF136158.D
Acq On : 06 Nov 2023 16:57
Operator : CG\JU
Sample : 05253-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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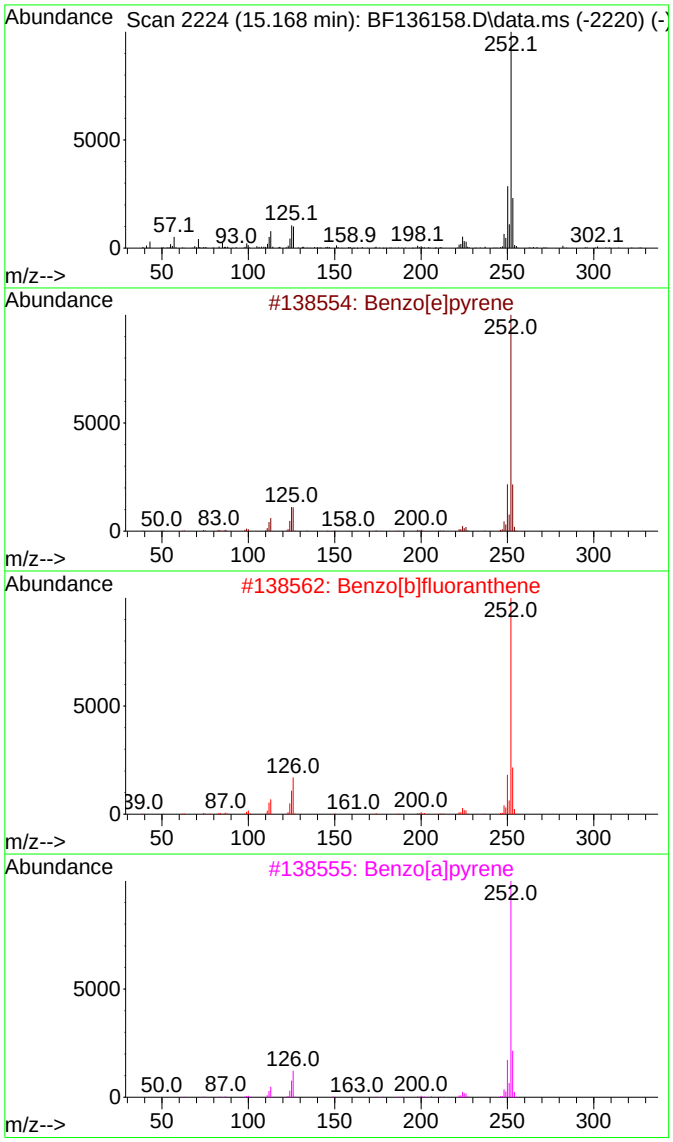
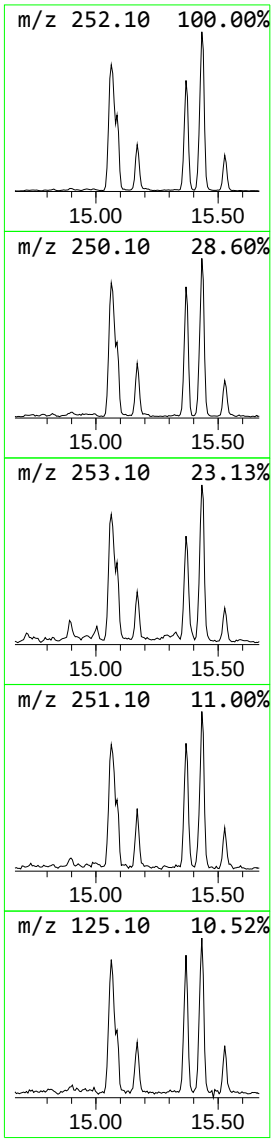
Peak Number 19 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.168	8.11 ng	201291	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81





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Data File : BF136158.D
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Operator : CG\JU
Sample : 05253-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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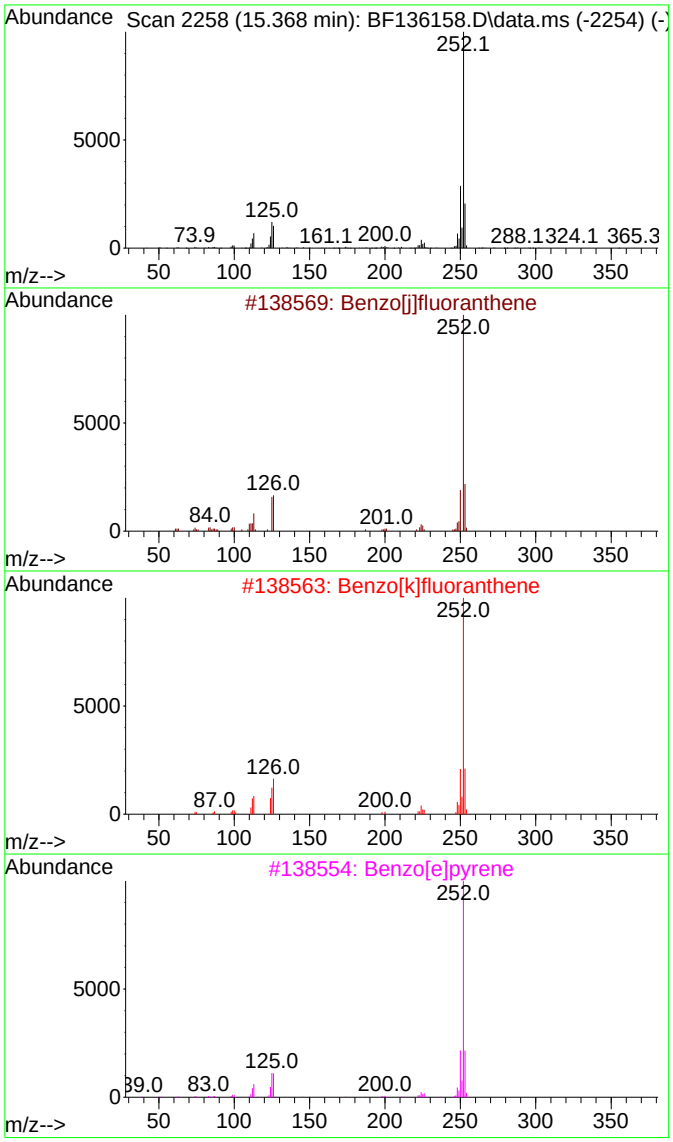
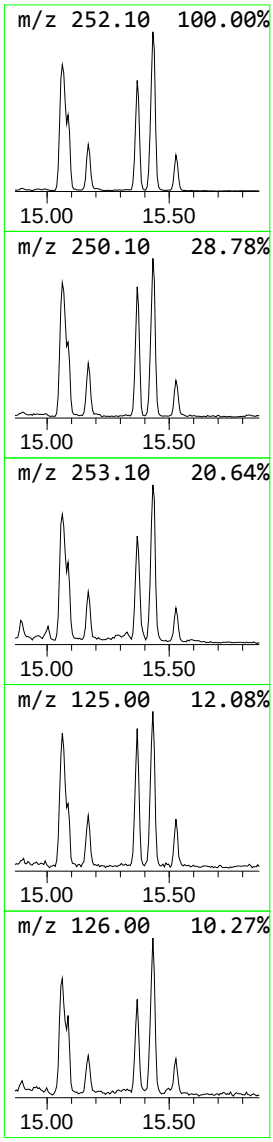
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.368	17.57 ng	435877	Perylene-d12	15.498

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136158.D
Acq On : 06 Nov 2023 16:57
Operator : CG\JU
Sample : 05253-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
L-1(65FT)(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.128	13.4	ng	361494	1	6.816	538672	20.0
3,5-Dimethyldod...	10.769	7.2	ng	231792	4	11.345	645284	20.0
Naphtho[2,1-b]t...	11.245	8.1	ng	261857	4	11.345	645284	20.0
Naphthalene, 1-...	11.651	6.9	ng	222127	4	11.345	645284	20.0
1-Methyldibenzo...	11.680	7.3	ng	234126	4	11.345	645284	20.0
2-Methyldibenzo...	11.769	6.2	ng	199279	4	11.345	645284	20.0
Phenanthrene, 2...	11.857	14.2	ng	456464	4	11.345	645284	20.0
Phenanthrene, 1...	11.880	15.7	ng	505195	4	11.345	645284	20.0
4H-Cyclopenta[d...	11.963	21.0	ng	676398	4	11.345	645284	20.0
1H-Indene, 2-ph...	11.986	7.8	ng	251488	4	11.345	645284	20.0
Naphthalene, 2-...	12.151	8.5	ng	273798	4	11.345	645284	20.0
Phenanthrene, 1...	12.333	7.1	ng	228339	4	11.345	645284	20.0
Phenanthrene, 2...	12.410	13.7	ng	441766	4	11.345	645284	20.0
unknown12.445	12.445	16.7	ng	537483	4	11.345	645284	20.0
9,10-Dimethylan...	12.492	9.4	ng	303861	4	11.345	645284	20.0
Benzene, 1,1'-(...	12.663	9.1	ng	293425	4	11.345	645284	20.0
Benz[a]anthrace...	14.398	5.8	ng	424489	5	14.010	1467020	20.0
4,12-Dimethylbe...	14.827	6.1	ng	152119	6	15.498	496224	20.0
Benzo[e]pyrene	15.168	8.1	ng	201291	6	15.498	496224	20.0
Benzo[j]fluoran...	15.368	17.6	ng	435877	6	15.498	496224	20.0