LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122453.D
Acq On : 23 Nov 2020 18:20
Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

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-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122453.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.134	3	8	13	rVB	450286	556048	8.25%	0.492%
2	5.075	502	508	518	rVB	1671892	1983305	29.42%	1.756%
3	5.487	573	578	581	rBV	3552233	3295569	48.89%	2.917%
4	5.875	641	644	649	rVB	223996	176617	2.62%	0.156%
5	6.492	744	749	761	rVB2	3140949	3627478	53.81%	3.211%
6	6.692	779	783	789	rBV3	116387	168232	2.50%	0.149%
7	6.863	808	812	815	rBV	1430694	1107121	16.42%	0.980%
8	7.422	900	907	912	rBV	2211789	2257713	33.49%	1.998%
9	8.151	1026	1031	1033	rBV	1594136	1551052	23.01%	1.373%
10	8.169	1033	1034	1038	rVV	668640	467705	6.94%	0.414%
11	8.863	1146	1152	1155	rBV	398346	320112	4.75%	0.283%
12	8.963	1165	1169	1173	rVB	205935	174722	2.59%	0.155%
13	9.227	1209	1214	1217	rBV	4736860	4110318	60.98%	3.638%
14	9.310	1225	1228	1233	rBV2	203873	250344	3.71%	0.222%
15	9.492	1253	1259	1263	rBV	148234	223103	3.31%	0.197%
16	9.563	1268	1271	1274	rVV	209508	219300	3.25%	0.194%
17	9.622	1278	1281	1285	rVV2	443437	508674	7.55%	0.450%
18	9.769	1302	1306	1310	rVB	1101428	912853	13.54%	0.808%
19	9.839	1316	1318	1323	rVB	211965	169090	2.51%	0.150%
20	9.910	1323	1330	1332	rBV	1808470	1695905	25.16%	1.501%
21	9.939	1332	1335	1338	rVB	337283	293353	4.35%	0.260%
22	10.110	1360	1364	1368	rVV	331434	303016	4.50%	0.268%
23	10.151	1368	1371	1378	rVB3	95009	122160	1.81%	0.108%
24	10.457	1419	1423	1429	rBV2	691976	889007	13.19%	0.787%
25	10.563	1439	1441	1444	rVB2	164979	137457	2.04%	0.122%
26	10.610	1447	1449	1453	rVB	197486	172608	2.56%	0.153%
27	10.698	1458	1464	1468	rBV	2982173	2736517	40.60%	2.422%
28	10.821	1481	1485	1492	rVB4	297234	491846	7.30%	0.435%
29	11.004	1511	1516	1519	rBV3	198227	216764	3.22%	0.192%
30	11.133	1535	1538	1540	rVV2	131631	128414	1.91%	0.114%
31	11.157	1540	1542	1546	rVV	179934	154132	2.29%	0.136%
32	11.198	1546	1549	1553	rVB	313900	278414	4.13%	0.246%
33	11.245	1553	1557	1558	rBV	143536	149859	2.22%	0.133%
34	11.268	1558	1561	1563	rVV3	316392	362611	5.38%	0.321%
35	11.292	1563	1565	1571	rVB2	436537	423903	6.29%	0.375%
36	11.398	1579	1583	1585	rBV	1612825	1671189	24.79%	1.479%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122453.D
Acq On : 23 Nov 2020 18:20
Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

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-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.421	1585	1587	1591	rVV	4393049	4142196	61.45%	3.666%
38	11.474	1591	1596	1599	rVV	2138146	1825671	27.08%	1.616%
39	11.504	1599	1601	1604	rVB2	217232	200585	2.98%	0.178%
40	11.627	1616	1622	1624	rBV2	364893	420642	6.24%	0.372%
41	11.692	1630	1633	1636	rVV	382435	309326	4.59%	0.274%
42	11.727	1636	1639	1644	rVB3	244359	230391	3.42%	0.204%
43	11.898	1665	1668	1670	rVV	939096	819935	12.16%	0.726%
44	11.927	1670	1673	1677	rVV	2063972	1803013	26.75%	1.596%
45	11.974	1678	1681	1684	rVV	493415	477802	7.09%	0.423%
46	12.010	1684	1687	1690	rVV	1392153	1642020	24.36%	1.453%
47	12.033	1690	1691	1696	rVB	675919	418849	6.21%	0.371%
48	12.104	1701	1703	1706	rVB	213343	157685	2.34%	0.140%
49	12.198	1715	1719	1721	rBV	610640	545495	8.09%	0.483%
50	12.215	1721	1722	1726	rVB2	375492	310384	4.60%	0.275%
51	12.345	1739	1744	1747	rBV2	271212	305069	4.53%	0.270%
52	12.380	1747	1750	1752	rBV2	283944	298045	4.42%	0.264%
53	12.451	1759	1762	1765	rBV	522241	537438	7.97%	0.476%
54	12.492	1765	1769	1771	rVV2	367592	421071	6.25%	0.373%
55	12.539	1774	1777	1782	rVB	466831	520248	7.72%	0.460%
56	12.621	1786	1791	1794	rBV	6387629	6630127	98.36%	5.869%
57	12.710	1803	1806	1809	rBV	1053474	963673	14.30%	0.853%
58	12.851	1823	1830	1833	rBV2	5762376	6740840	100.00%	5.967%
59	12.892	1834	1837	1842	rVB2	371331	412261	6.12%	0.365%
60	12.962	1845	1849	1850	rBV	518297	471345	6.99%	0.417%
61	12.986	1850	1853	1860	rVB	4054652	3953476	58.65%	3.499%
62	13.062	1861	1866	1869	rBV2	581606	953396	14.14%	0.844%
63	13.092	1869	1871	1873	rVB	174156	130893	1.94%	0.116%
64	13.127	1874	1877	1878	rBV2	143381	154309	2.29%	0.137%
65	13.151	1878	1881	1882	rVV3	433748	468329	6.95%	0.415%
66	13.174	1882	1885	1888	rVB	1417155	1278458	18.97%	1.132%
67	13.239	1888	1896	1899	rBV	1180045	1261028	18.71%	1.116%
68	13.274	1899	1902	1905	rVV2	835812	825865	12.25%	0.731%
69	13.333	1910	1912	1915	rBV2	184651	242064	3.59%	0.214%
70	13.368	1915	1918	1921	rVB	448150	346127	5.13%	0.306%
71	13.398	1921	1923	1927	rBV	459408	433335	6.43%	0.384%
72	13.462	1932	1934	1938	rBV	600128	592601	8.79%	0.525%
73	13.680	1968	1971	1976	rVB	679013	644723	9.56%	0.571%
74	13.792	1986	1990	1993	rBV2	647624	882252	13.09%	0.781%
75	13.821	1993	1995	1997	rVV	822208	745237	11.06%	0.660%
76	13.845	1997	1999	2003	rVV2	794051	1038240	15.40%	0.919%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122453.D
Acq On : 23 Nov 2020 18:20
Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

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-BF110920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.886	2004	2006	2014	rVB	755758	1143669	16.97%	1.012%
78	14.039	2026	2032	2036	rBV3	4111040	6357523	94.31%	5.627%
79	14.074	2036	2038	2044	rVB	3414311	3258427	48.34%	2.884%
80	14.151	2049	2051	2053	rBV	210814	154911	2.30%	0.137%
81	14.186	2055	2057	2060	rBV	451325	382889	5.68%	0.339%
82	14.268	2067	2071	2074	rVB2	297274	393336	5.84%	0.348%
83	14.398	2090	2093	2095	rBV	168274	195806	2.90%	0.173%
84	14.433	2096	2099	2102	rVV	884841	833612	12.37%	0.738%
85	14.468	2102	2105	2108	rVB	491781	454508	6.74%	0.402%
86	14.527	2112	2115	2118	rVV2	445758	572318	8.49%	0.507%
87	14.557	2118	2120	2122	rVV	498939	486917	7.22%	0.431%
88	14.580	2122	2124	2128	rVB2	509204	452822	6.72%	0.401%
89	15.104	2207	2213	2216	rBV	2803161	4916733	72.94%	4.352%
90	15.209	2227	2231	2234	rVB	877501	883063	13.10%	0.782%
91	15.409	2260	2265	2271	rVB	1805806	2575123	38.20%	2.279%
92	15.474	2271	2276	2281	rVB	2758256	3591188	53.28%	3.179%
93	15.533	2282	2286	2289	rVV	1158971	1531525	22.72%	1.356%
94	15.562	2289	2291	2298	rVB2	856310	1178773	17.49%	1.043%
95	16.251	2404	2408	2420	rVB4	289635	606485	9.00%	0.537%
96	17.021	2532	2539	2545	rVB2	1323453	2629375	39.01%	2.327%
97	17.192	2564	2568	2573	rVB	263467	427489	6.34%	0.378%
98	17.250	2574	2578	2583	rBV2	248648	499141	7.40%	0.442%
99	17.468	2608	2615	2625	rVB	951331	2092874	31.05%	1.853%
100	17.697	2649	2654	2660	rVB	280582	496184	7.36%	0.439%

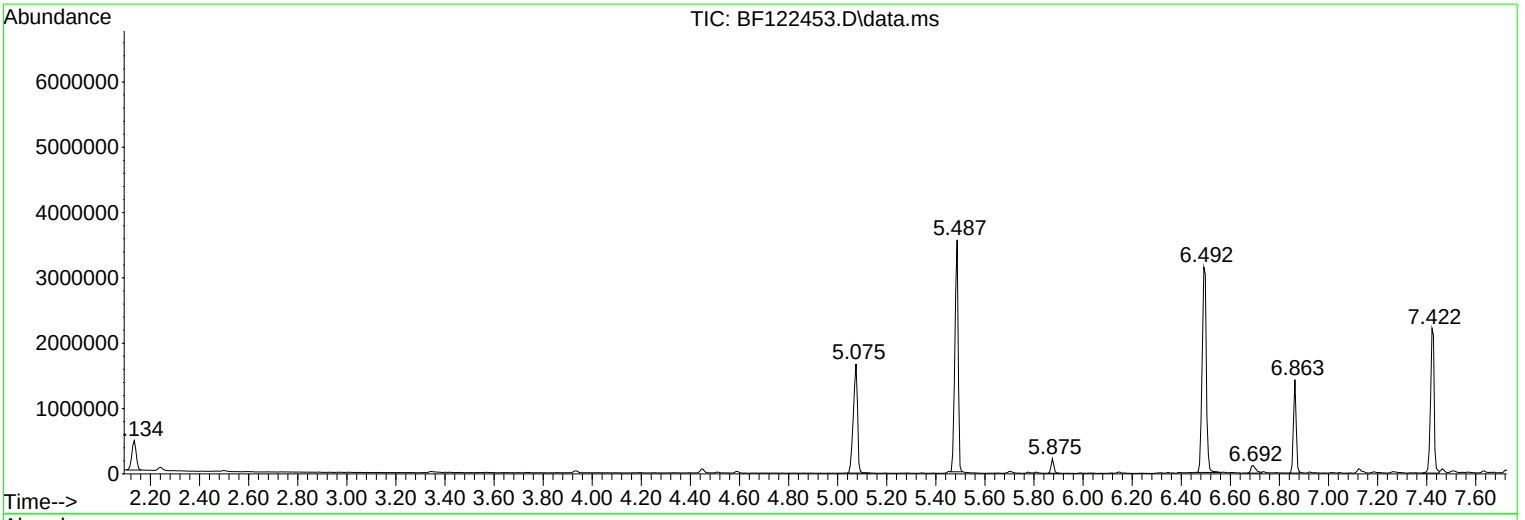
Sum of corrected areas: 112975646

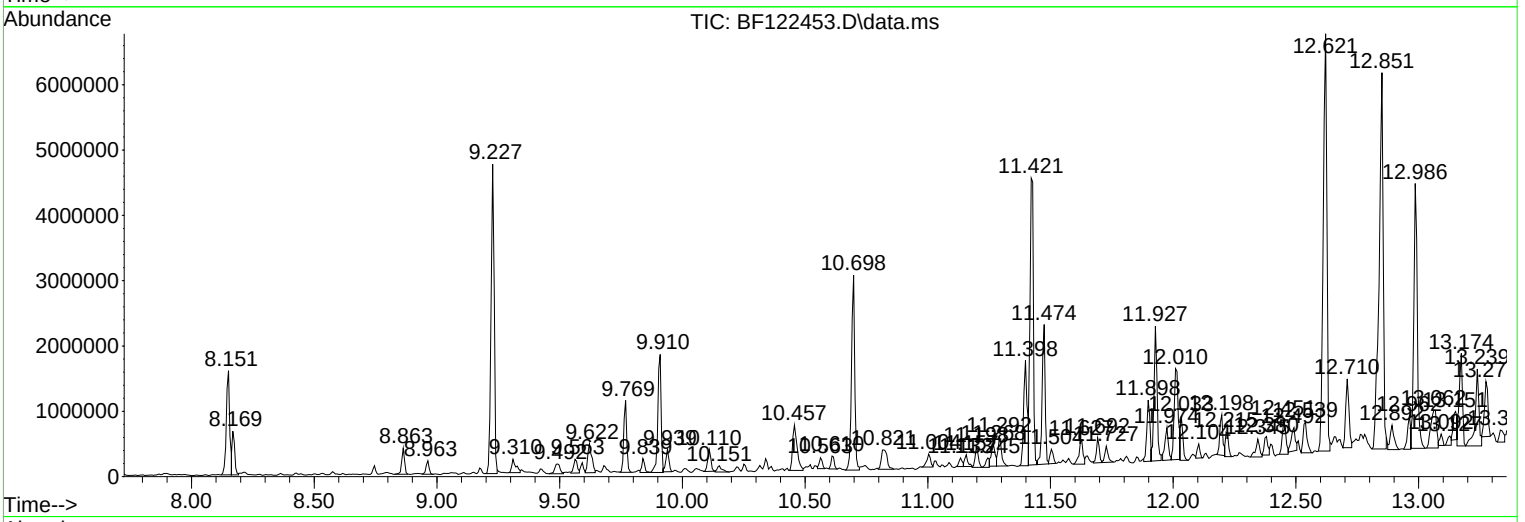
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122453.D
Acq On : 23 Nov 2020 18:20
Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

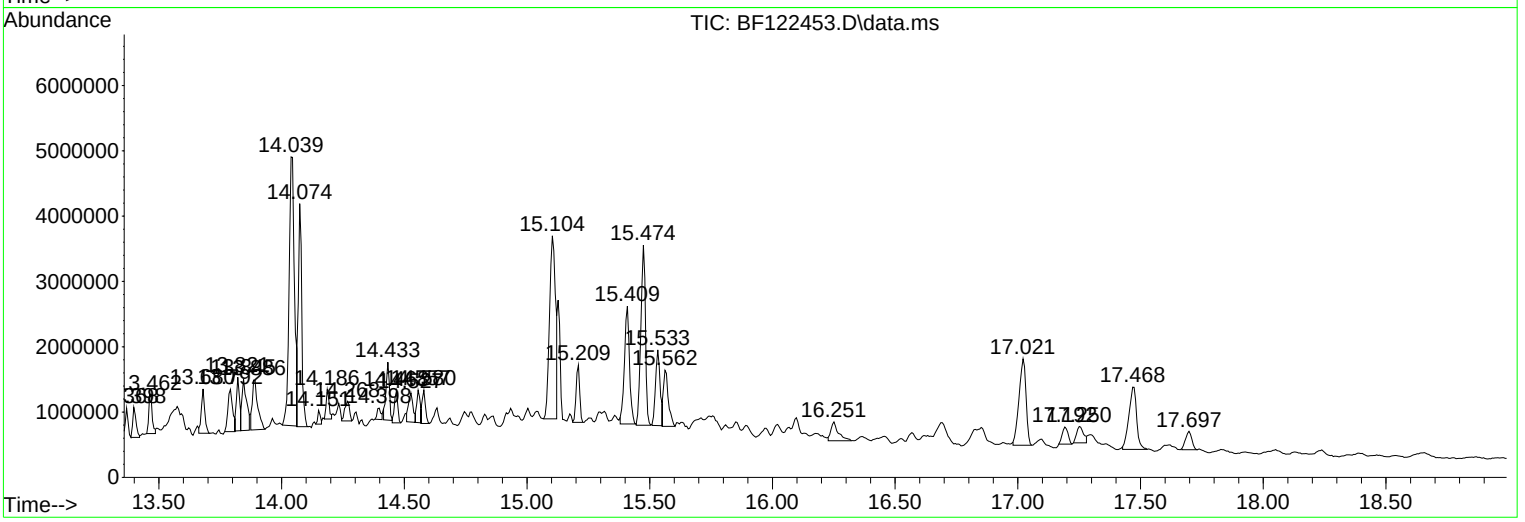
Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122453.D
Acq On : 23 Nov 2020 18:20
Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

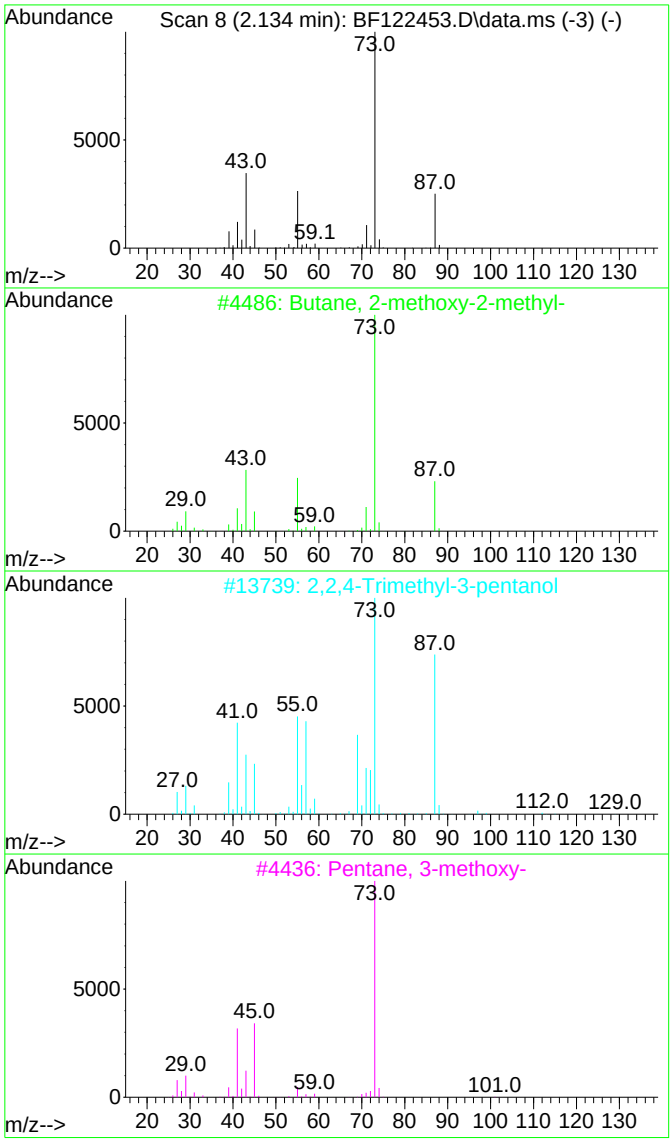
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

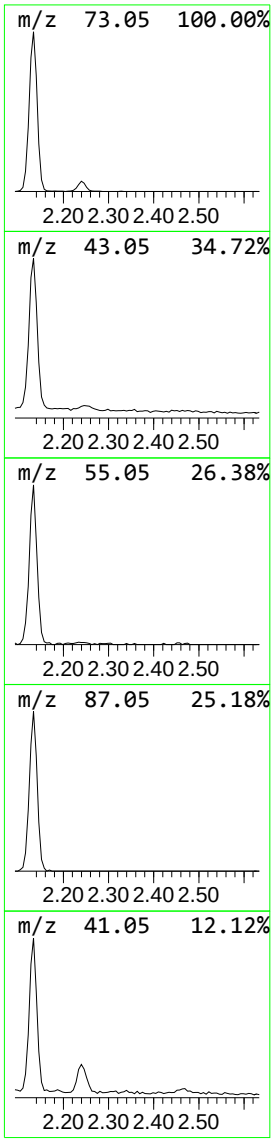
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.134	10.04 ng	556048	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122453.D
Acq On : 23 Nov 2020 18:20
Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

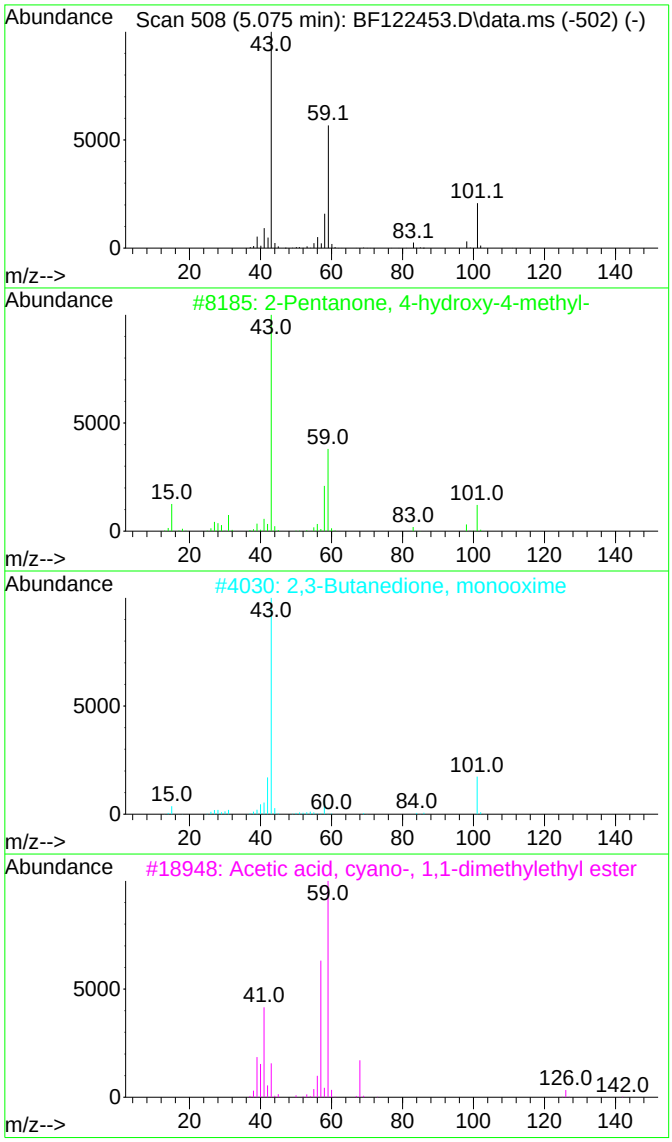
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

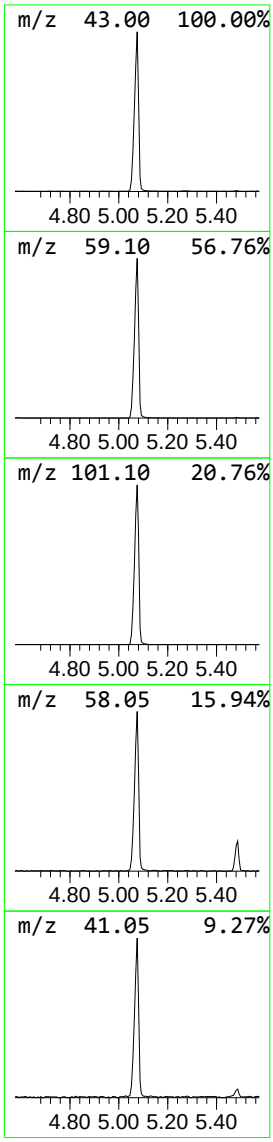
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.075	35.83 ng	1983310	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122453.D
Acq On : 23 Nov 2020 18:20
Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

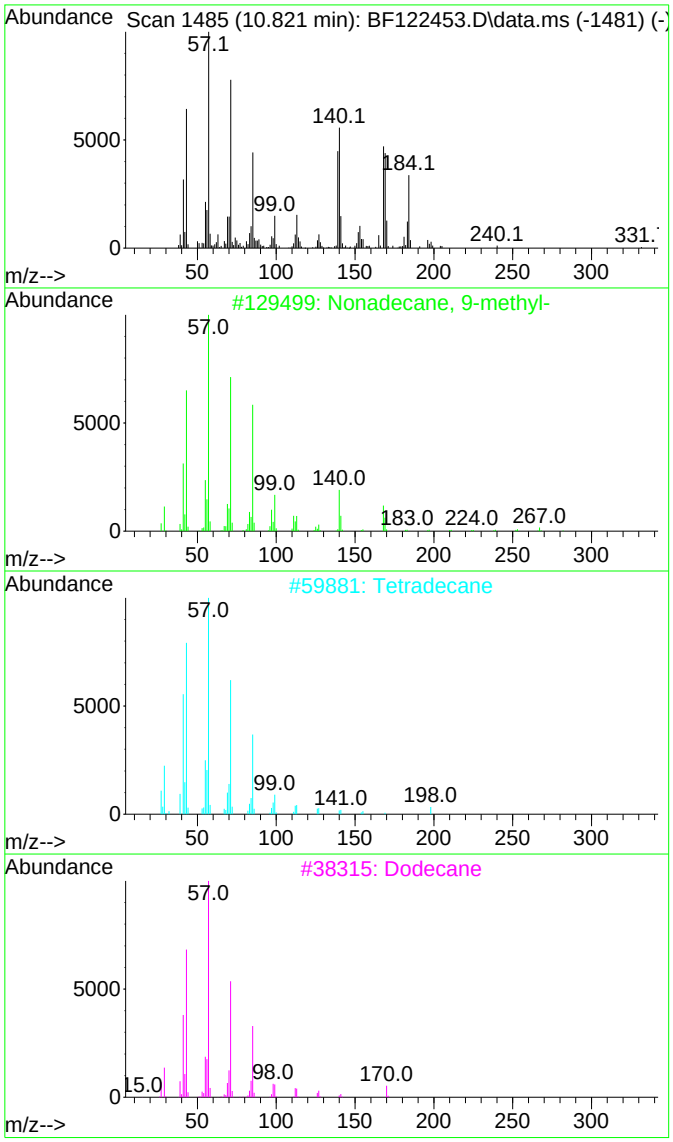
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

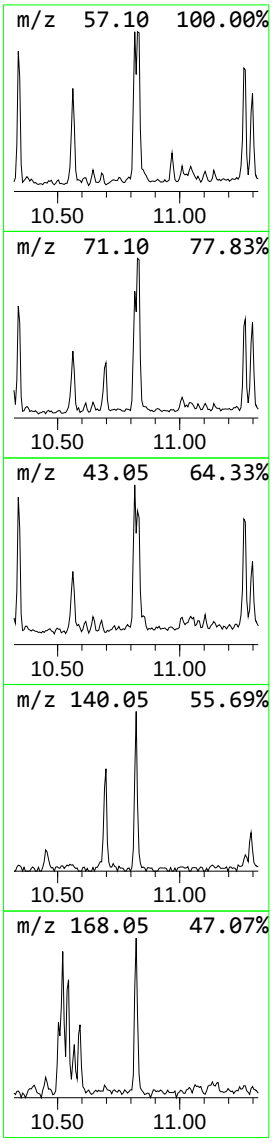
****

Peak Number 3 Nonadecane, 9-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.822	5.89 ng	491846	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	52
2	Tetradecane	198	C14H30	000629-59-4	44
3	Dodecane	170	C12H26	000112-40-3	42
4	Octadecane	254	C18H38	000593-45-3	30
5	Hexadecane	226	C16H34	000544-76-3	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122453.D
Acq On : 23 Nov 2020 18:20
Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

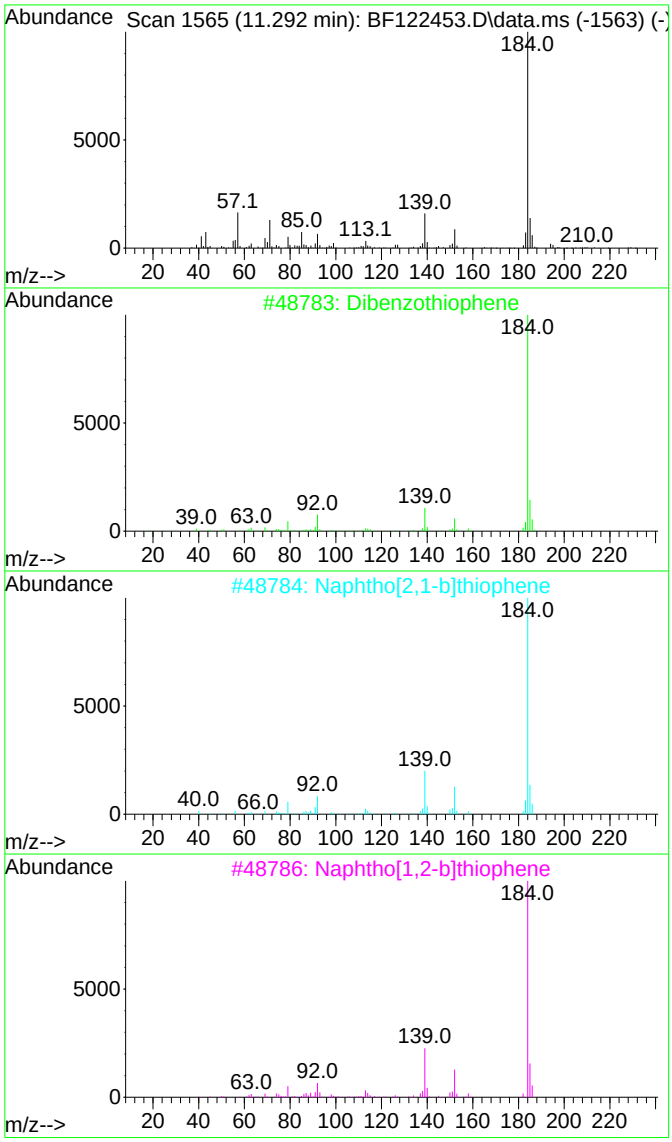
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

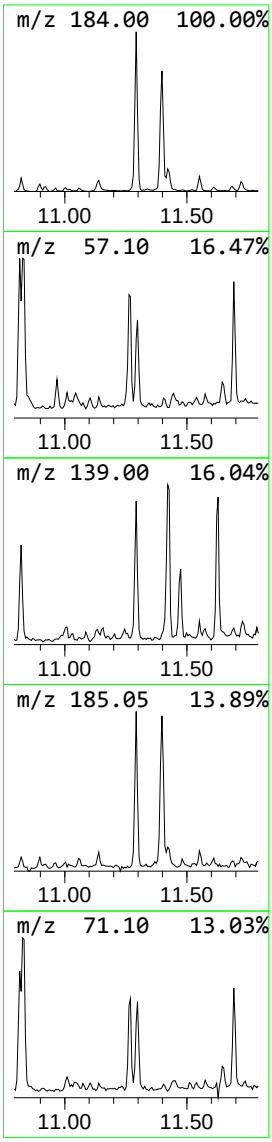
****

Peak Number 4 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.292	5.07 ng	423903	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122453.D
Acq On : 23 Nov 2020 18:20
Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

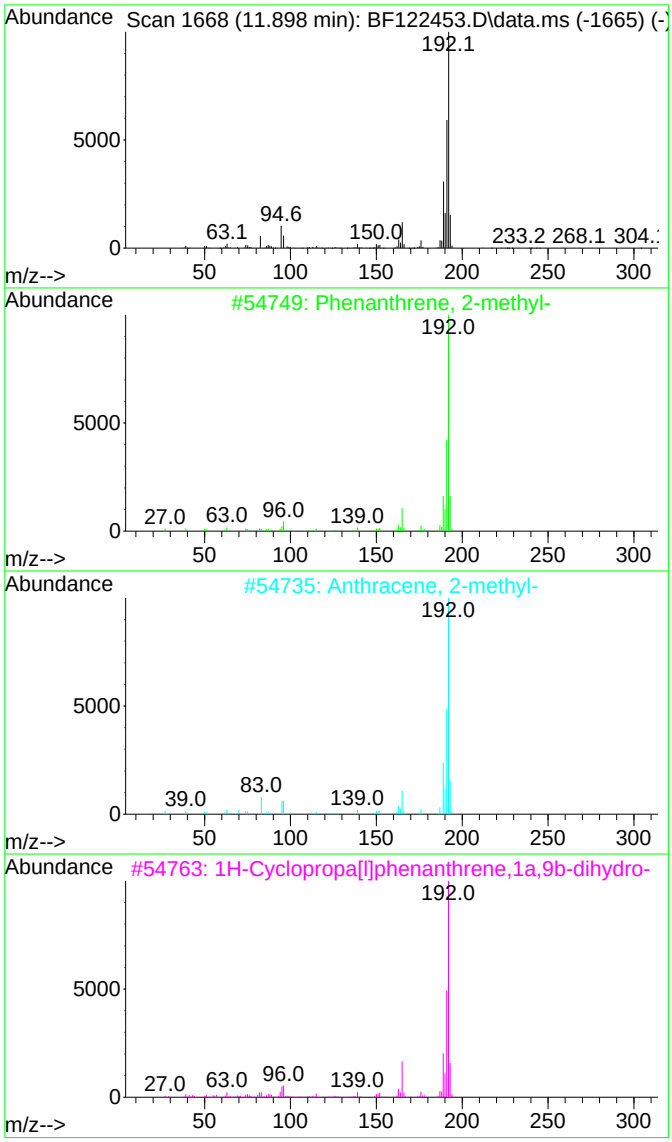
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

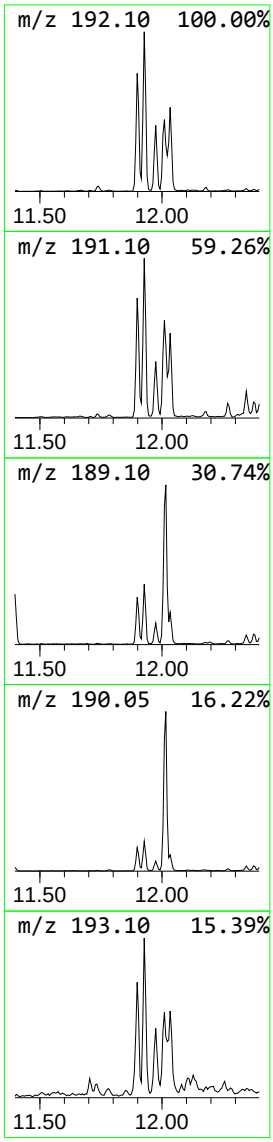
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	9.81 ng	819935	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Acq On : 23 Nov 2020 18:20
Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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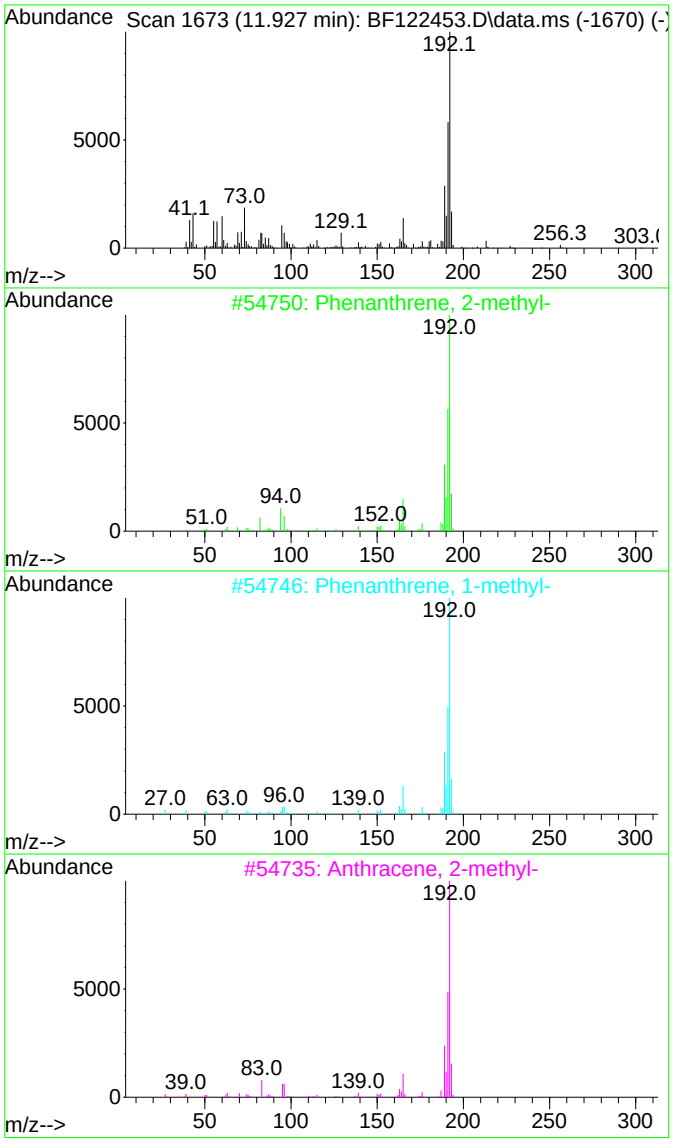
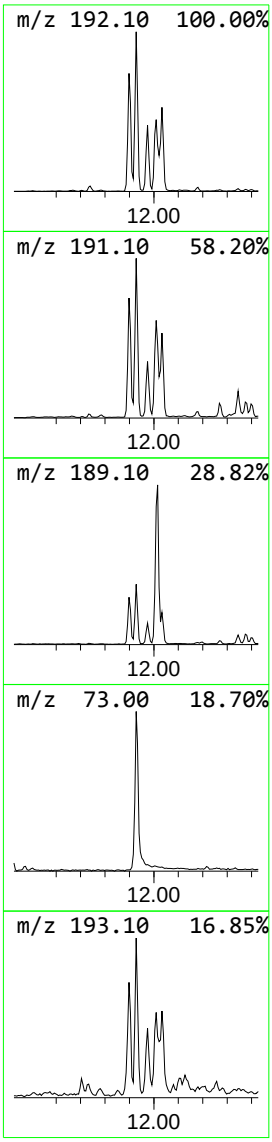
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	21.58 ng	1803010	Phenanthrene-d10	11.398

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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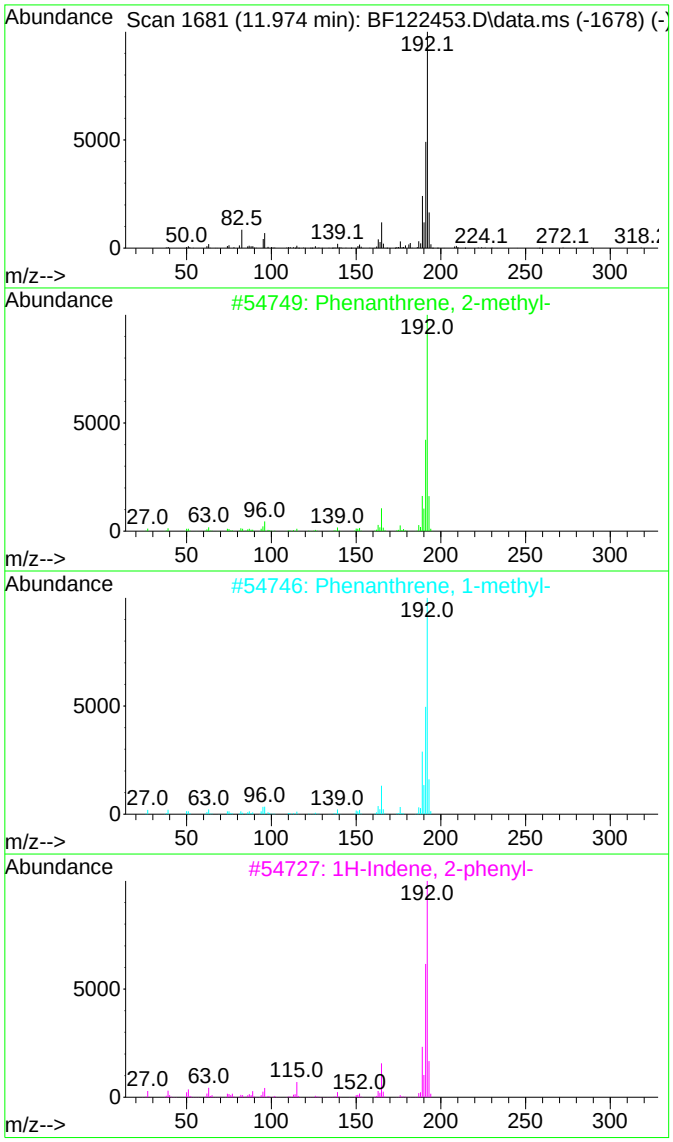
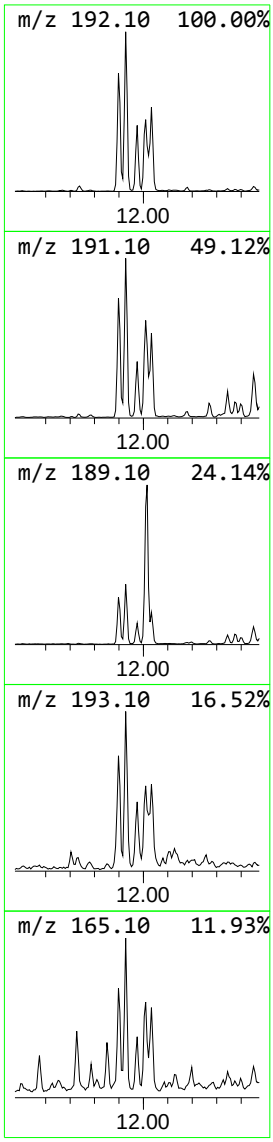
Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	5.72 ng	477802	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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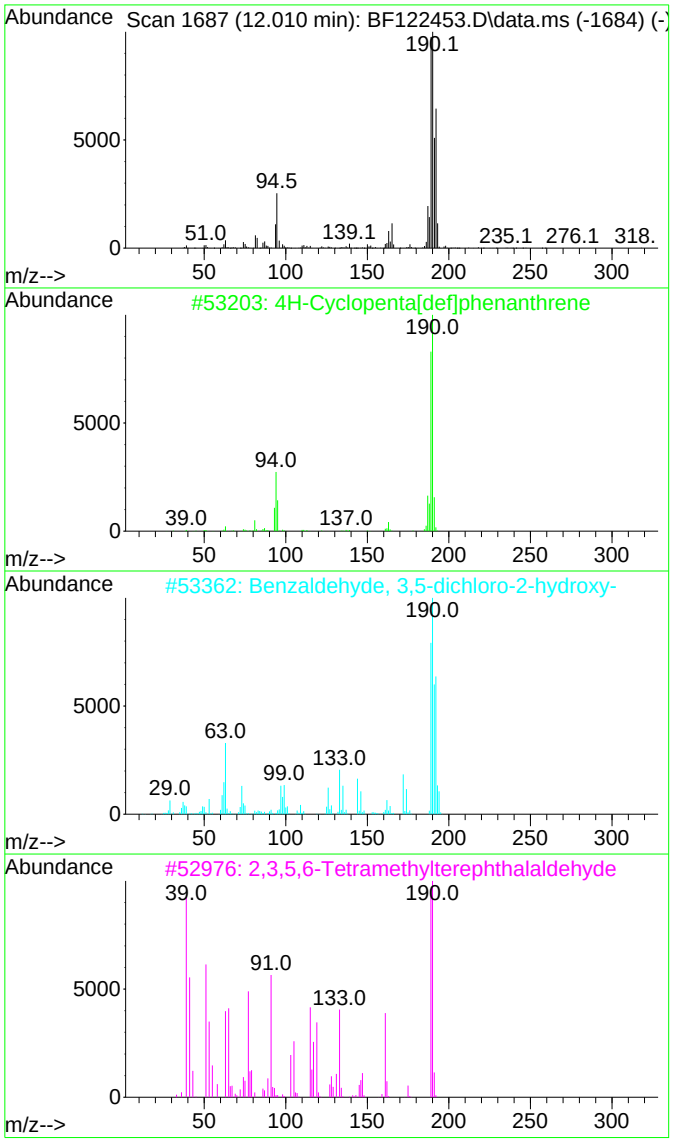
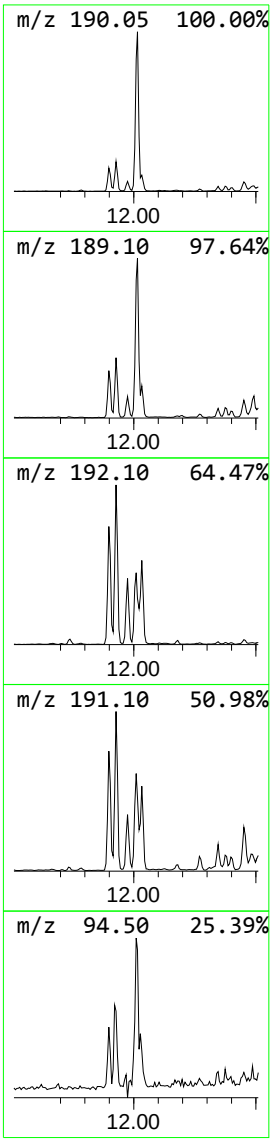
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	19.65 ng	1642020	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30





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Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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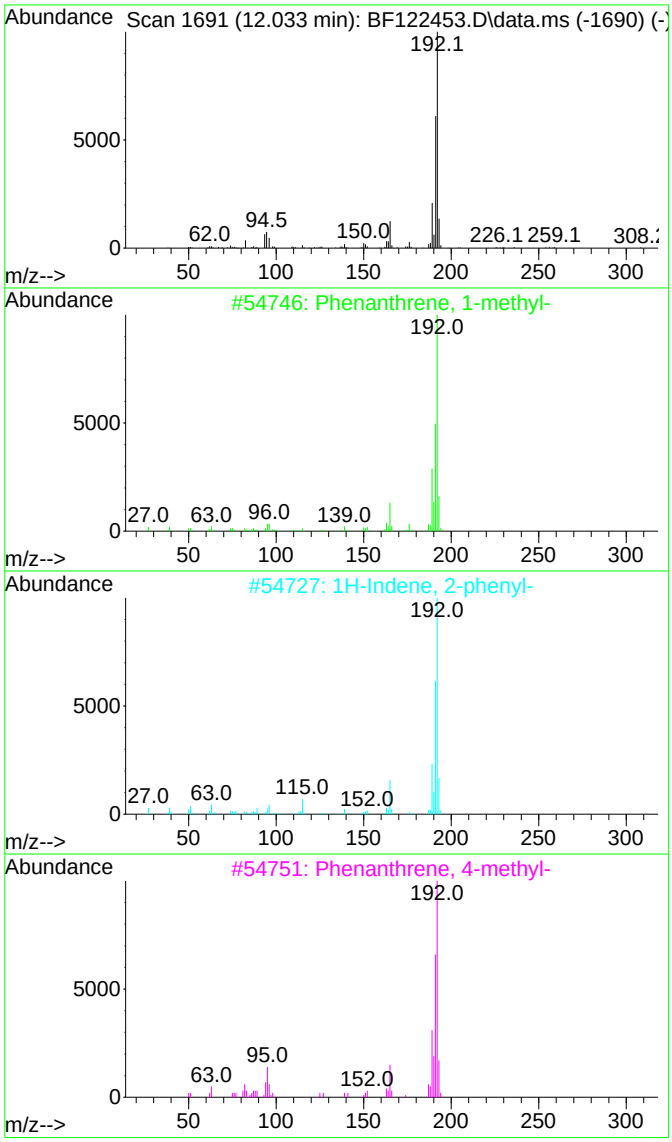
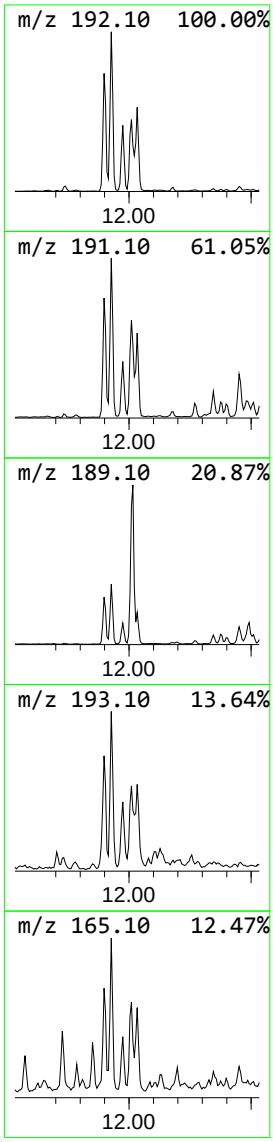
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	5.01 ng	418849	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	81





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Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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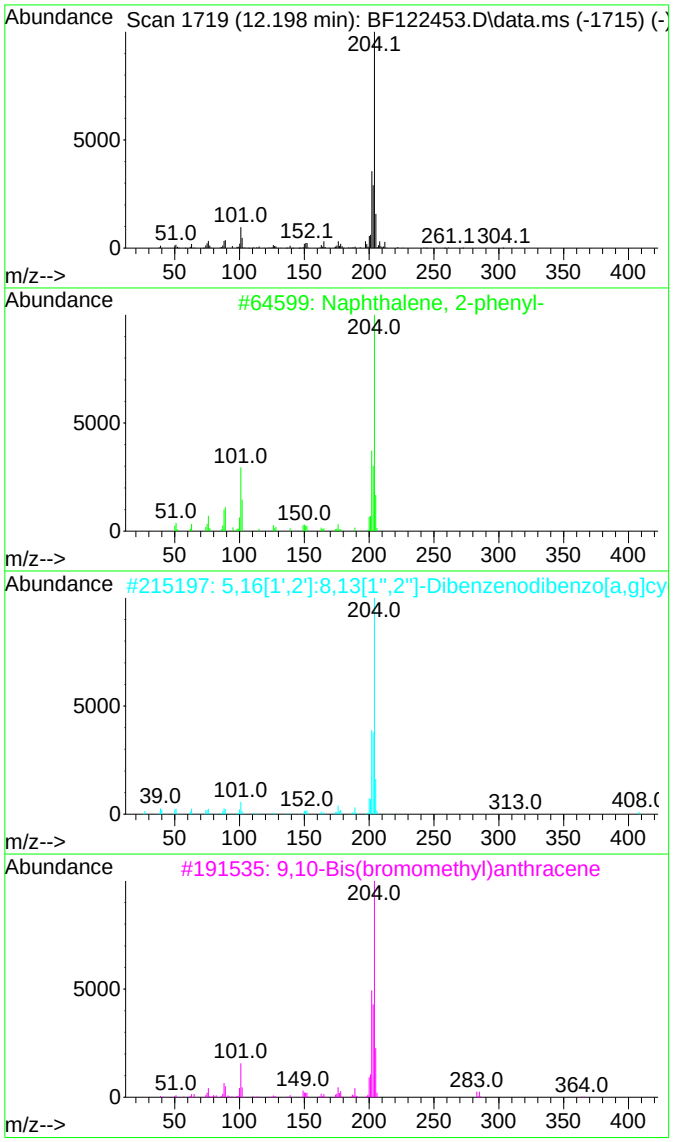
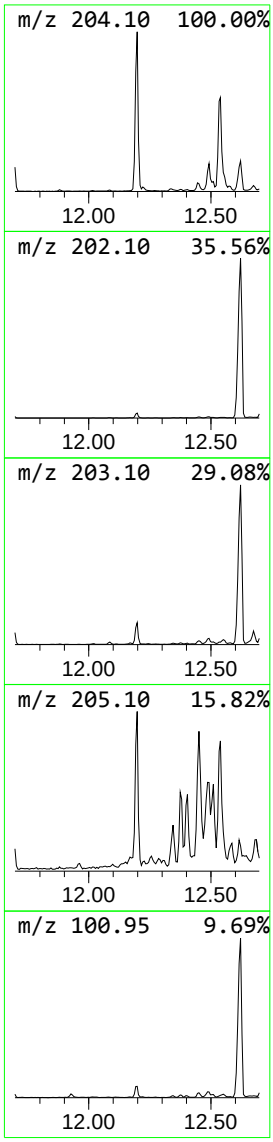
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	6.53 ng	545495	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	52
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





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Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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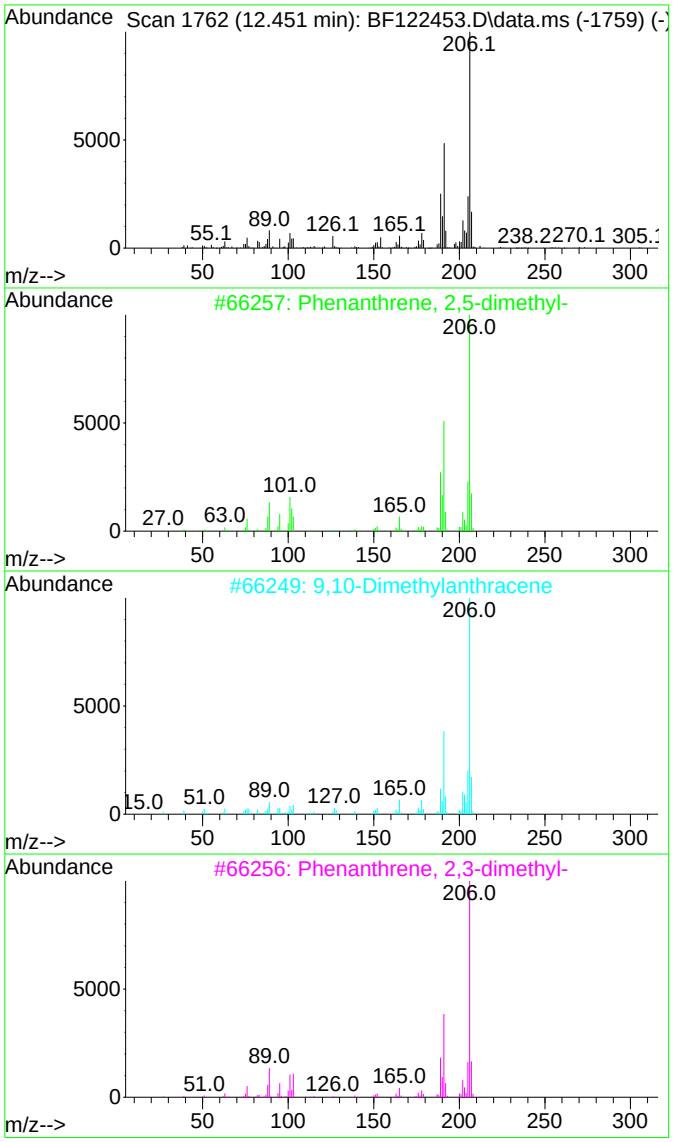
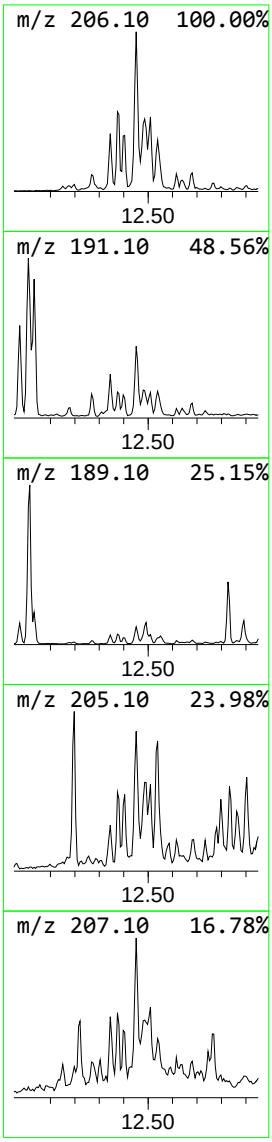
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	6.43 ng	537438	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Acq On : 23 Nov 2020 18:20
Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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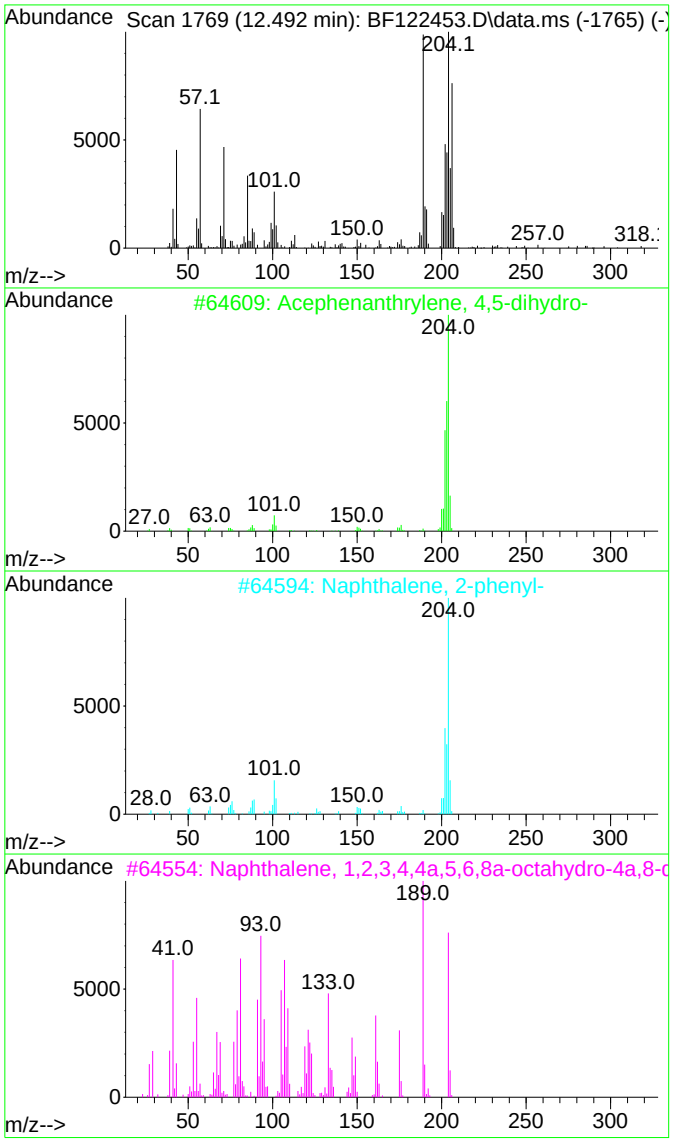
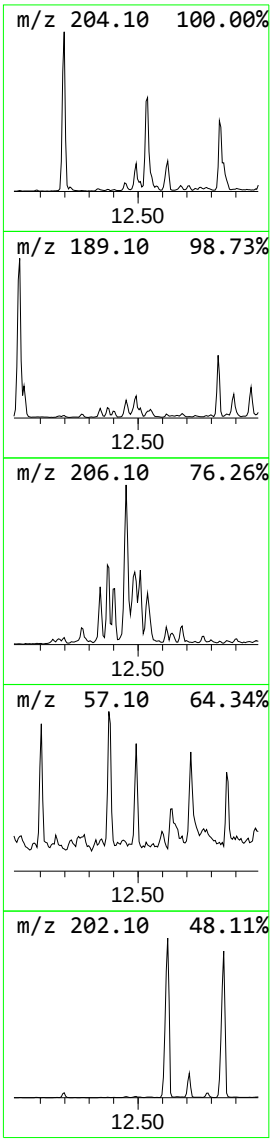
Peak Number 12 unknown12.492 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	5.04 ng	421071	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
3	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	27
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	25
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	15





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Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

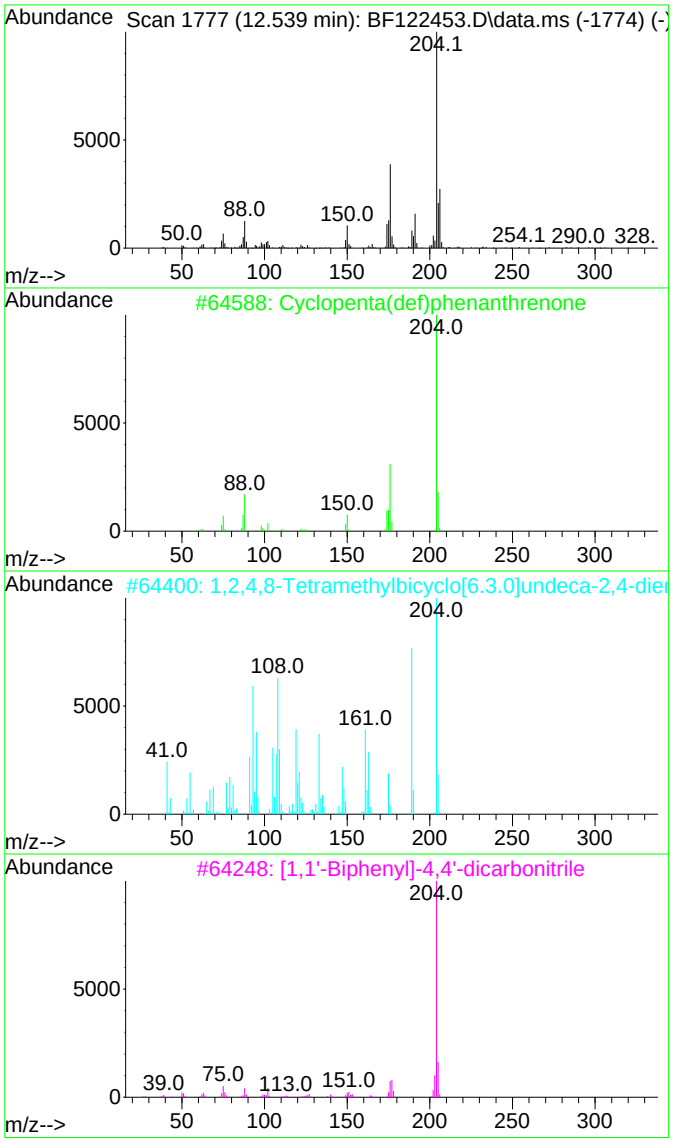
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

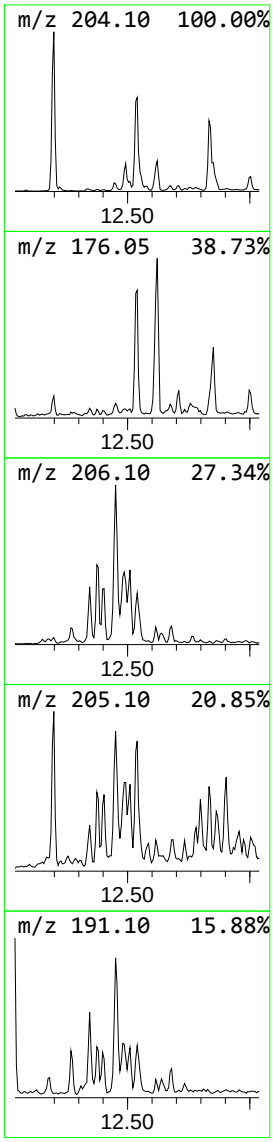
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.539	6.23 ng	520248	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38





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Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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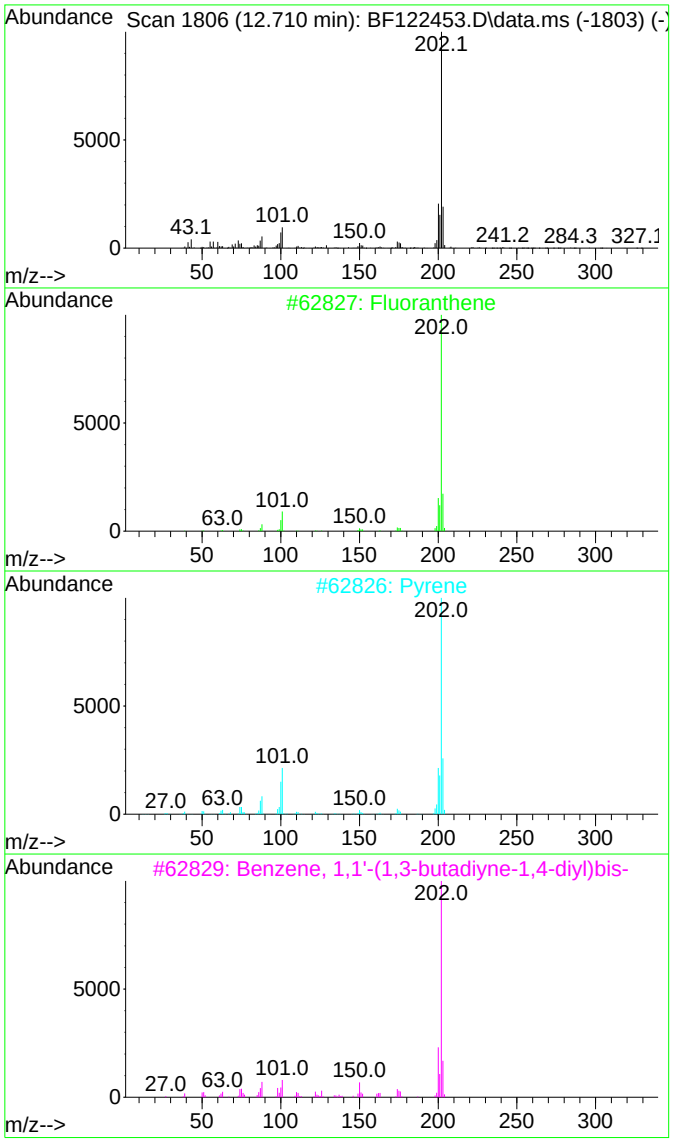
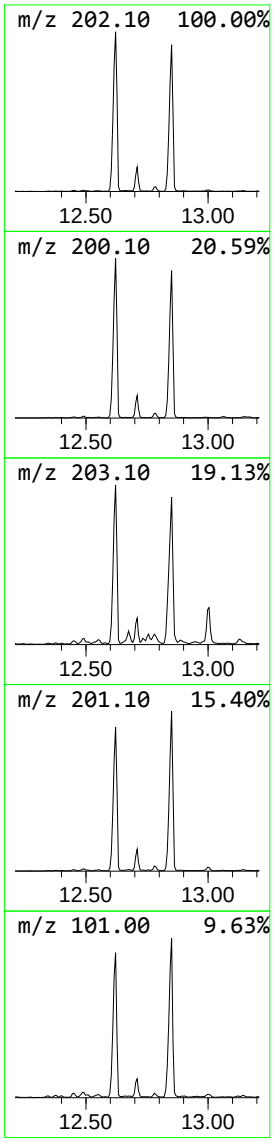
Peak Number 14 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.710	11.53 ng	963673	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	96
2	Pyrene	202	C16H10	000129-00-0	93
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	87
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	55
5	l-Leucine, N-methyl-N-(2-methoxy...	485	C28H55NO5	1000328-55-1	43





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Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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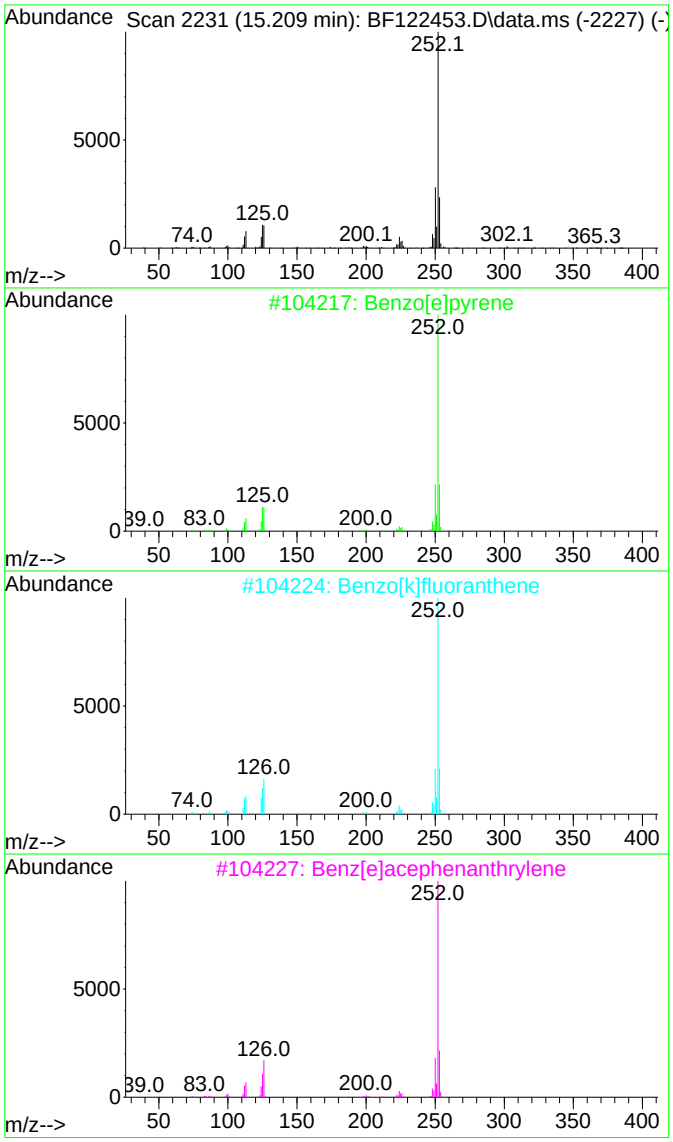
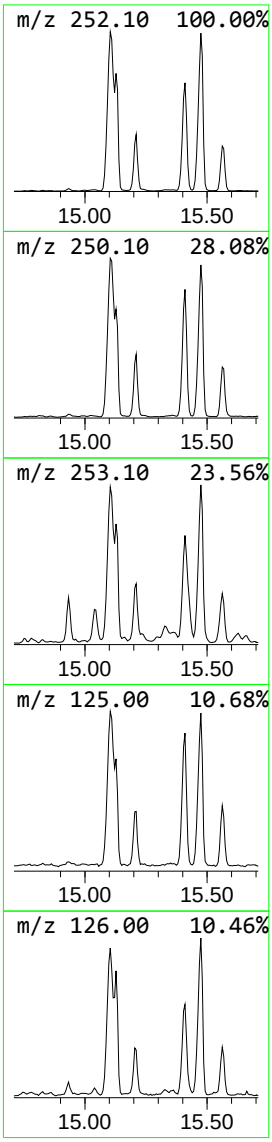
Peak Number 15 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.209	11.53 ng	883063	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





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Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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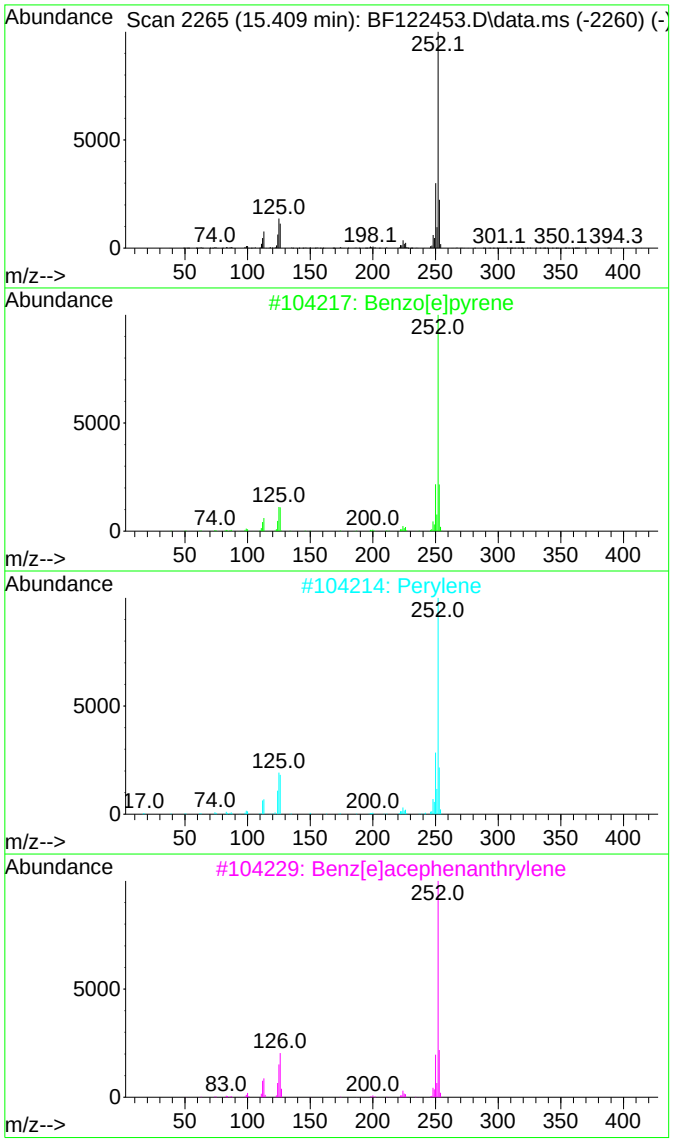
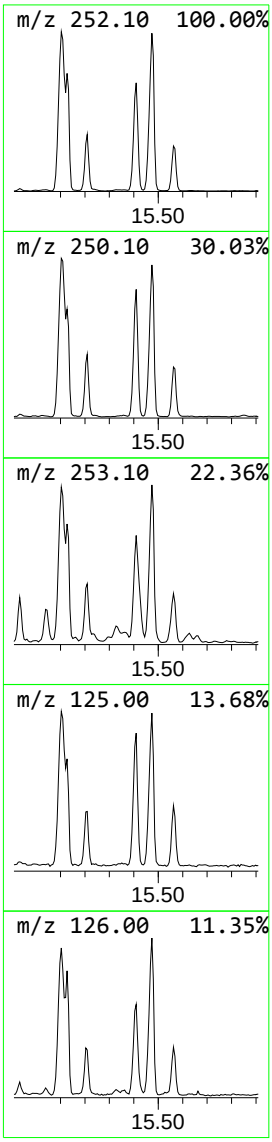
Peak Number 16 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.409	33.63 ng	2575120	Perylene-d12	15.533

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	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122453.D
Acq On : 23 Nov 2020 18:20
Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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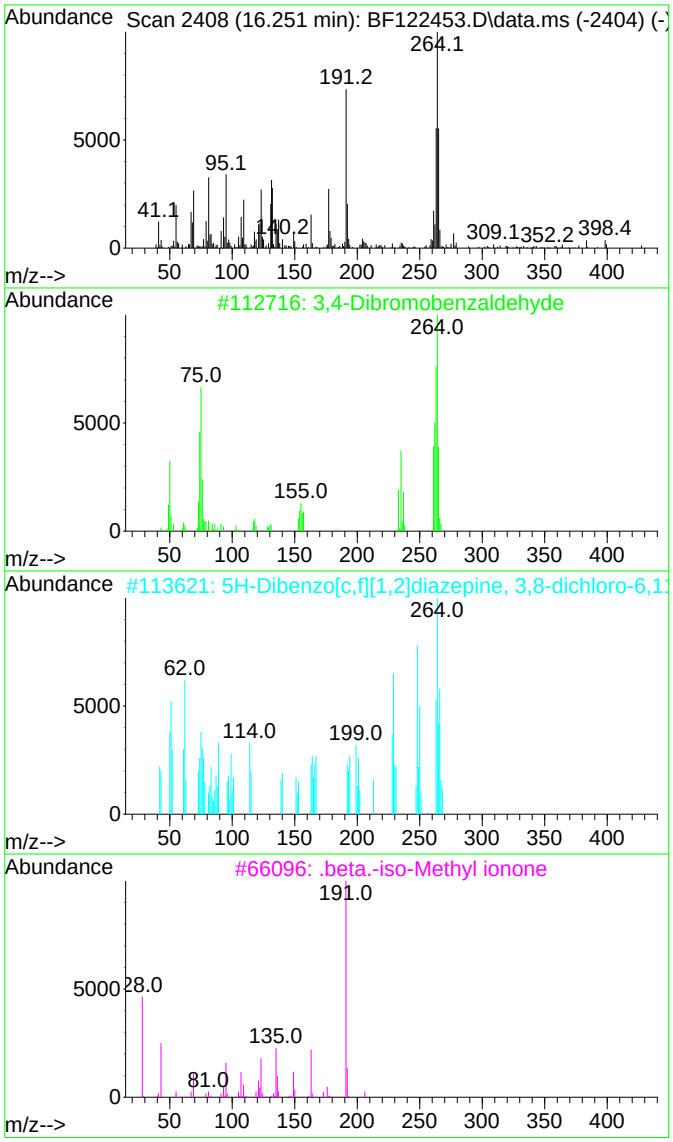
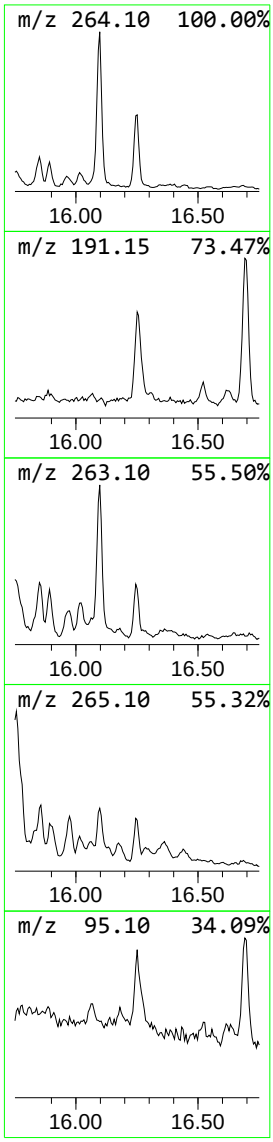
Peak Number 17 unknown16.250 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.250	7.92 ng	606485	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	38
2	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	22
3	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	15
4	N,N-Tetramethylene-3,4-dimethoxy...	261	C15H19NO3	327079-67-4	14
5	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	14





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Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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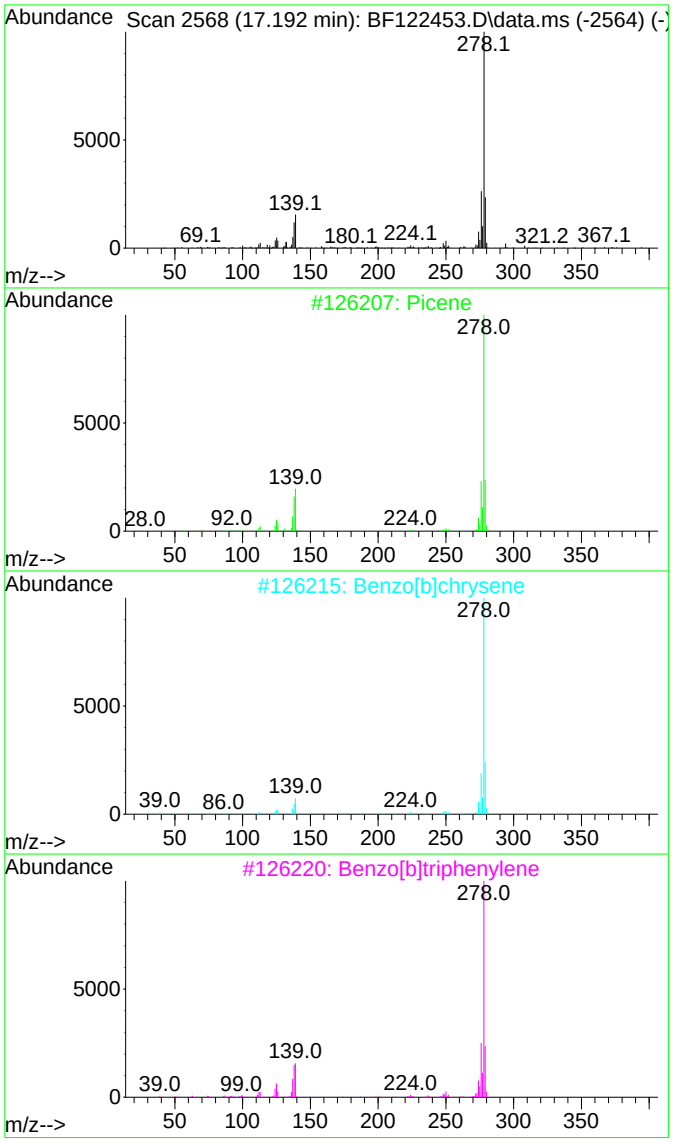
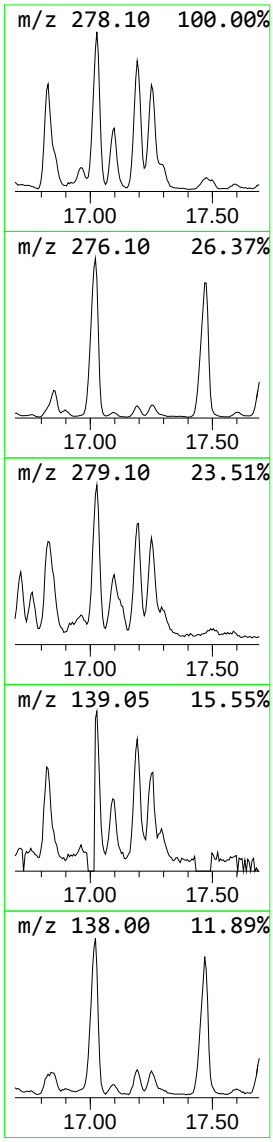
Peak Number 18 Picene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.192	5.58 ng	427489	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	97
2	Benzo[b]chrysene	278	C22H14	000214-17-5	97
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
5	Pentaphene	278	C22H14	000222-93-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122453.D
Acq On : 23 Nov 2020 18:20
Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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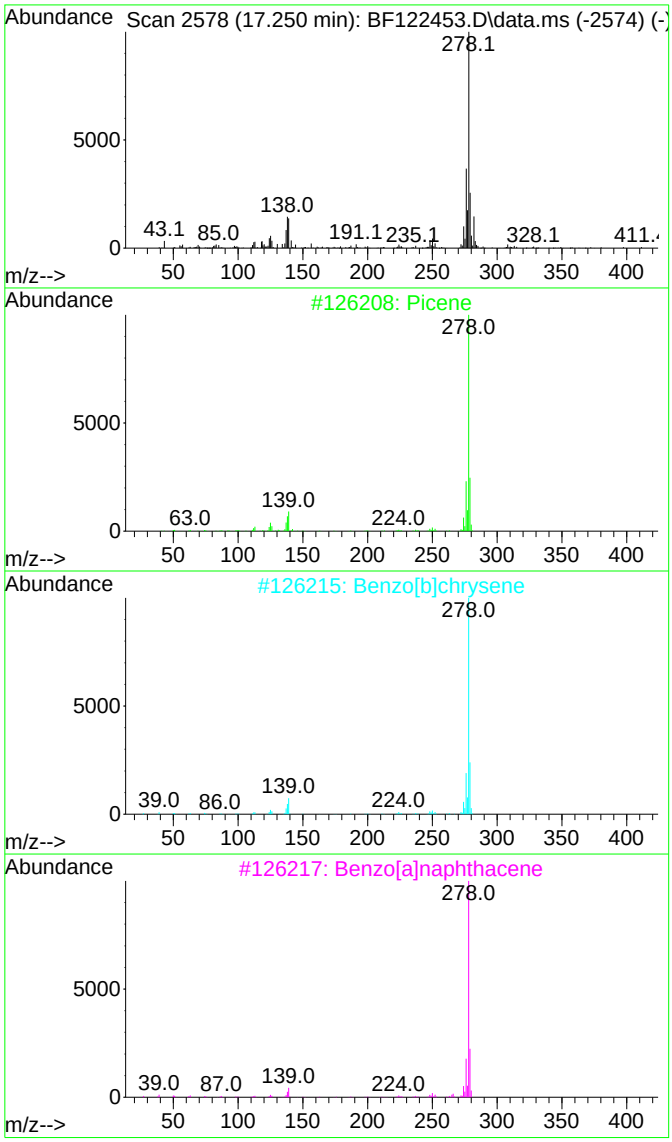
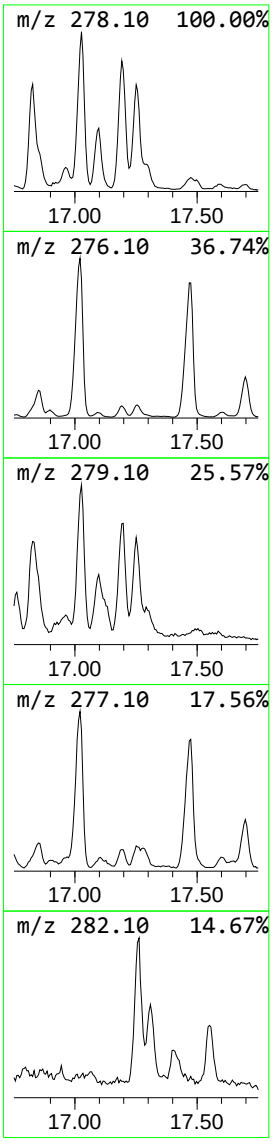
Peak Number 19 Benzo[b]chrysene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.250	6.52 ng	499141	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	96
2	Benzo[b]chrysene	278	C22H14	000214-17-5	95
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	93
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	92
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122453.D
Acq On : 23 Nov 2020 18:20
Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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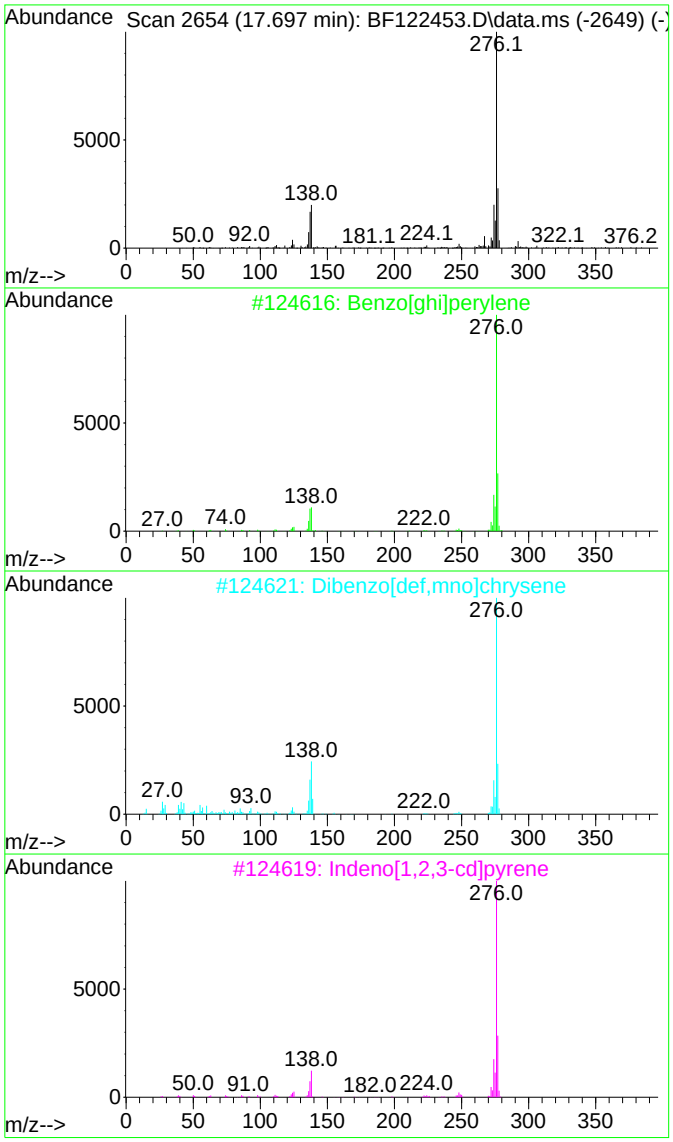
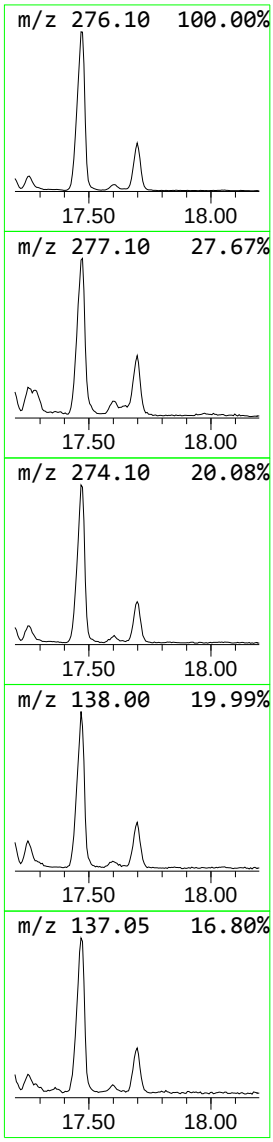
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.698	6.48 ng	496184	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
Data File : BF122453.D
Acq On : 23 Nov 2020 18:20
Operator : JU/CG
Sample : L4836-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.134	10.0	ng	556048	1	6.863	1107120	20.0
2-Pentanone, 4-...	5.075	35.8	ng	1983310	1	6.863	1107120	20.0
Nonadecane, 9-m...	10.822	5.9	ng	491846	4	11.398	1671190	20.0
Dibenzothiophene	11.292	5.1	ng	423903	4	11.398	1671190	20.0
Phenanthrene, 2...	11.898	9.8	ng	819935	4	11.398	1671190	20.0
Phenanthrene, 1...	11.927	21.6	ng	1803010	4	11.398	1671190	20.0
1H-Indene, 2-ph...	11.974	5.7	ng	477802	4	11.398	1671190	20.0
4H-Cyclopenta[d...	12.010	19.6	ng	1642020	4	11.398	1671190	20.0
Phenanthrene, 4...	12.033	5.0	ng	418849	4	11.398	1671190	20.0
Naphthalene, 2-...	12.198	6.5	ng	545495	4	11.398	1671190	20.0
Phenanthrene, 2...	12.451	6.4	ng	537438	4	11.398	1671190	20.0
unknown12.492	12.492	5.0	ng	421071	4	11.398	1671190	20.0
Cyclopenta(def)...	12.539	6.2	ng	520248	4	11.398	1671190	20.0
Benzene, 1,1'-(...	12.710	11.5	ng	963673	4	11.398	1671190	20.0
Benzo[e]pyrene	15.209	11.5	ng	883063	6	15.533	1531530	20.0
Perylene	15.409	33.6	ng	2575120	6	15.533	1531530	20.0
unknown16.250	16.250	7.9	ng	606485	6	15.533	1531530	20.0
Picene	17.192	5.6	ng	427489	6	15.533	1531530	20.0
Benzo[b]chrysene	17.250	6.5	ng	499141	6	15.533	1531530	20.0
Dibenzo[def,mno...	17.698	6.5	ng	496184	6	15.533	1531530	20.0