LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092520\
Data File : BF121700.D
Acq On : 25 Sep 2020 17:26
Operator : JU/CG
Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.440	224	230	240	rBV	101992	175632	2.20%	0.184%
2	4.381	381	390	393	rBV	4085451	7092791	89.04%	7.425%
3	4.998	489	495	498	rBV	1557100	1804052	22.65%	1.889%
4	6.428	735	738	749	rVB	160972	156174	1.96%	0.163%
5	6.798	797	801	804	rBV	995777	908965	11.41%	0.952%
6	7.357	892	896	901	rBV	490609	414202	5.20%	0.434%
7	8.081	1014	1019	1021	rBV	1426405	1227451	15.41%	1.285%
8	8.104	1021	1023	1027	rVB	444448	348342	4.37%	0.365%
9	9.157	1198	1202	1205	rBV	966477	804805	10.10%	0.842%
10	9.492	1255	1259	1262	rVV	136937	135611	1.70%	0.142%
11	9.833	1310	1317	1320	rBV	1538679	1471070	18.47%	1.540%
12	9.869	1320	1323	1326	rVV	1203767	947247	11.89%	0.992%
13	10.039	1348	1352	1356	rVV	791478	689771	8.66%	0.722%
14	10.380	1406	1410	1416	rBV	1020504	922717	11.58%	0.966%
15	10.539	1435	1437	1441	rVB	309317	233030	2.93%	0.244%
16	10.622	1445	1451	1455	rVV	305150	389569	4.89%	0.408%
17	10.745	1468	1472	1477	rBV3	143639	220545	2.77%	0.231%
18	10.927	1497	1503	1506	rBV3	156511	239556	3.01%	0.251%
19	11.057	1520	1525	1527	rBV2	95314	126576	1.59%	0.133%
20	11.127	1534	1537	1541	rVV	820872	704746	8.85%	0.738%
21	11.180	1541	1546	1550	rVV3	160221	323350	4.06%	0.338%
22	11.216	1550	1552	1559	rVB	618976	597849	7.50%	0.626%
23	11.327	1566	1571	1572	rBV	1333876	1442318	18.11%	1.510%
24	11.363	1572	1577	1579	rVV	5830724	7210332	90.51%	7.548%
25	11.404	1579	1584	1586	rVV	2430892	2182499	27.40%	2.285%
26	11.433	1586	1589	1592	rVB	187782	174752	2.19%	0.183%
27	11.551	1603	1609	1617	rBV2	932429	1177710	14.78%	1.233%
28	11.616	1617	1620	1624	rVV2	248574	244846	3.07%	0.256%
29	11.657	1624	1627	1631	rVV2	158179	163320	2.05%	0.171%
30	11.822	1650	1655	1658	rBV	751098	764667	9.60%	0.800%
31	11.851	1658	1660	1664	rVB	1174748	978850	12.29%	1.025%
32	11.898	1665	1668	1671	rBV	371660	342365	4.30%	0.358%
33	11.939	1671	1675	1677	rBV	1449458	1418809	17.81%	1.485%
34	11.957	1677	1678	1682	rVB	533971	371442	4.66%	0.389%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092520\
Data File : BF121700.D
Acq On : 25 Sep 2020 17:26
Operator : JU/CG
Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.027	1688	1690	1693	rVB	206372	158363	1.99%	0.166%
36	12.121	1703	1706	1708	rBV	630989	525226	6.59%	0.550%
37	12.145	1708	1710	1714	rVB	756543	668922	8.40%	0.700%
38	12.269	1726	1731	1734	rBV2	182251	192788	2.42%	0.202%
39	12.321	1738	1740	1745	rVB	136371	128687	1.62%	0.135%
40	12.374	1745	1749	1752	rBV	303726	352444	4.42%	0.369%
41	12.416	1752	1756	1761	rVB3	225385	298259	3.74%	0.312%
42	12.463	1761	1764	1769	rVB	408987	443780	5.57%	0.465%
43	12.551	1772	1779	1782	rVB	5809904	7966163	100.00%	8.339%
44	12.598	1782	1787	1791	rBV2	200270	246662	3.10%	0.258%
45	12.686	1795	1802	1807	rBV3	370125	620889	7.79%	0.650%
46	12.780	1811	1818	1821	rBV2	5328819	7868283	98.77%	8.237%
47	12.816	1821	1824	1829	rVB	382120	358664	4.50%	0.375%
48	12.886	1832	1836	1837	rBV	631303	537056	6.74%	0.562%
49	12.910	1837	1840	1841	rBV	656443	553671	6.95%	0.580%
50	12.986	1847	1853	1856	rBV4	449874	764157	9.59%	0.800%
51	13.016	1856	1858	1860	rVB	266820	200690	2.52%	0.210%
52	13.068	1860	1867	1869	rBV5	404704	528508	6.63%	0.553%
53	13.092	1869	1871	1874	rVB	900519	804772	10.10%	0.842%
54	13.163	1879	1883	1885	rVB	566109	516186	6.48%	0.540%
55	13.198	1885	1889	1891	rBV2	707872	742835	9.32%	0.778%
56	13.221	1891	1893	1896	rVB	331528	289287	3.63%	0.303%
57	13.251	1896	1898	1901	rBV	161516	142294	1.79%	0.149%
58	13.292	1901	1905	1907	rBV	260779	241929	3.04%	0.253%
59	13.321	1907	1910	1913	rBV2	331169	379027	4.76%	0.397%
60	13.492	1933	1939	1941	rBV5	139482	294318	3.69%	0.308%
61	13.515	1941	1943	1946	rVV	133124	138595	1.74%	0.145%
62	13.604	1955	1958	1962	rVB	732618	719388	9.03%	0.753%
63	13.710	1972	1976	1979	rBV2	663337	706264	8.87%	0.739%
64	13.739	1979	1981	1983	rVV	636773	547351	6.87%	0.573%
65	13.763	1983	1985	1991	rVV3	535522	836152	10.50%	0.875%
66	13.810	1991	1993	1999	rVB	780551	732639	9.20%	0.767%
67	13.880	2000	2005	2010	rBV	147957	205168	2.58%	0.215%
68	13.963	2011	2019	2022	rBV2	3551139	5561459	69.81%	5.822%
69	13.998	2022	2025	2032	rVB	3150732	3196081	40.12%	3.346%
70	14.074	2035	2038	2042	rVB	565622	477930	6.00%	0.500%
71	14.157	2049	2052	2054	rVB	223607	198714	2.49%	0.208%

LSC Area Percent Report

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Acq On : 25 Sep 2020 17:26
Operator : JU/CG
Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.192	2054	2058	2061	rVB2	348471	461154	5.79%	0.483%
73	14.286	2070	2074	2076	rBV2	108749	156445	1.96%	0.164%
74	14.315	2076	2079	2081	rBV	137945	136826	1.72%	0.143%
75	14.351	2081	2085	2088	rVV	592125	569552	7.15%	0.596%
76	14.386	2088	2091	2094	rVB	267111	275407	3.46%	0.288%
77	14.445	2096	2101	2103	rVB2	206737	280403	3.52%	0.294%
78	14.474	2103	2106	2108	rBV	286714	237106	2.98%	0.248%
79	14.498	2108	2110	2113	rVB2	326523	267724	3.36%	0.280%
80	14.545	2116	2118	2124	rVB2	209592	222626	2.79%	0.233%
81	14.657	2133	2137	2139	rBV2	285673	319478	4.01%	0.334%
82	14.686	2139	2142	2147	rVB2	92220	132752	1.67%	0.139%
83	14.833	2164	2167	2176	rVB2	231058	450937	5.66%	0.472%
84	15.004	2190	2196	2199	rBV	2146310	3632738	45.60%	3.803%
85	15.104	2210	2213	2216	rVB	517537	481767	6.05%	0.504%
86	15.192	2224	2228	2229	rBV2	126994	154806	1.94%	0.162%
87	15.298	2240	2246	2252	rVB	1261089	1908953	23.96%	1.998%
88	15.362	2252	2257	2262	rVB	2029204	2453268	30.80%	2.568%
89	15.421	2262	2267	2269	rBV	808477	1047339	13.15%	1.096%
90	15.451	2269	2272	2278	rVB	682532	890578	11.18%	0.932%
91	15.768	2323	2326	2332	rVB3	82610	136322	1.71%	0.143%
92	15.962	2356	2359	2368	rVB	139956	217257	2.73%	0.227%
93	16.662	2471	2478	2481	rBV2	165697	362427	4.55%	0.379%
94	16.856	2504	2511	2519	rVB2	953700	1903008	23.89%	1.992%
95	16.927	2519	2523	2531	rVB	100748	193615	2.43%	0.203%
96	17.021	2532	2539	2544	rBV	243744	481643	6.05%	0.504%
97	17.080	2544	2549	2553	rBV2	148317	242023	3.04%	0.253%
98	17.292	2577	2585	2600	rVB	698290	1559237	19.57%	1.632%
99	17.515	2616	2623	2636	rVB2	231668	563744	7.08%	0.590%
100	18.433	2769	2779	2786	rBV8	59125	237270	2.98%	0.248%

Sum of corrected areas: 95525967

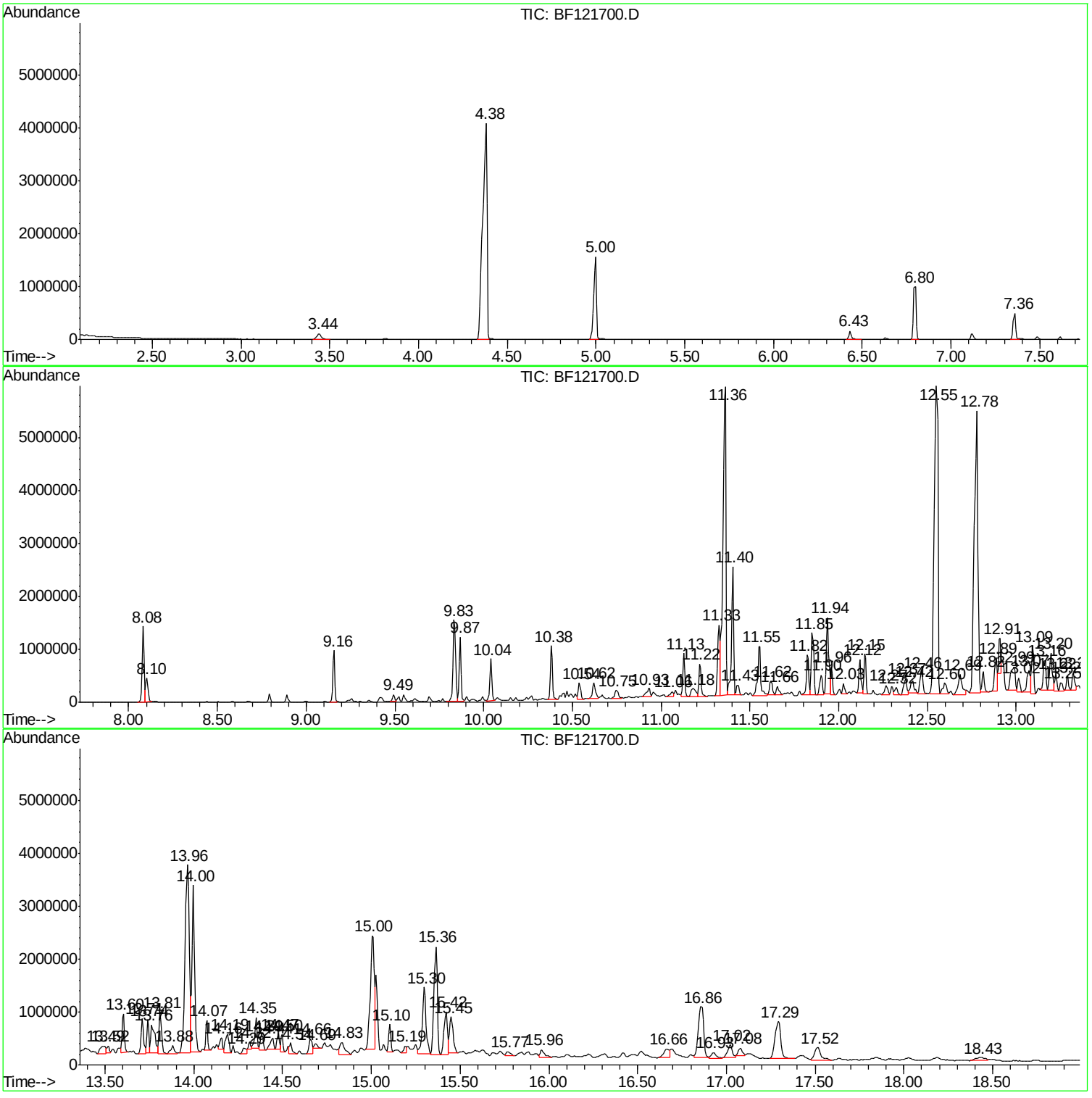
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092520\
Data File : BF121700.D
Acq On : 25 Sep 2020 17:26
Operator : JU/CG
Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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\BF092520\
Data File : BF121700.D
Acq On : 25 Sep 2020 17:26
Operator : JU/CG
Sample : L4152-03 5X
Misc :
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Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

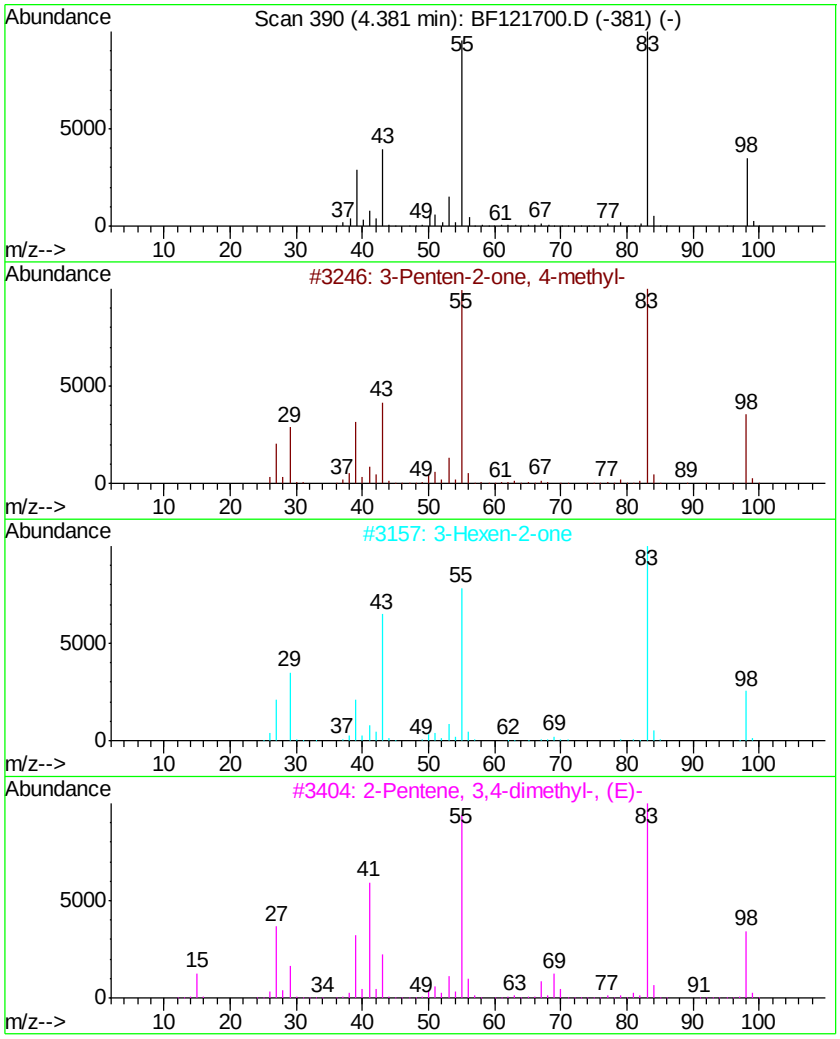
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

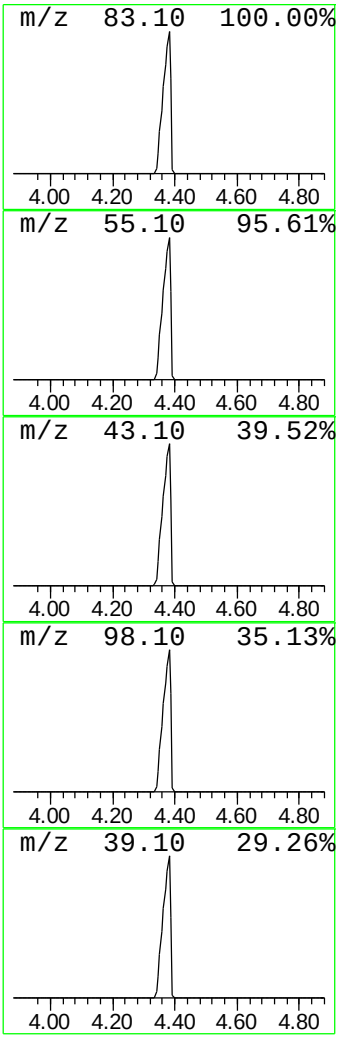
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	156.06 ng	7092790	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	95
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	86
5	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092520\
Data File : BF121700.D
Acq On : 25 Sep 2020 17:26
Operator : JU/CG
Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

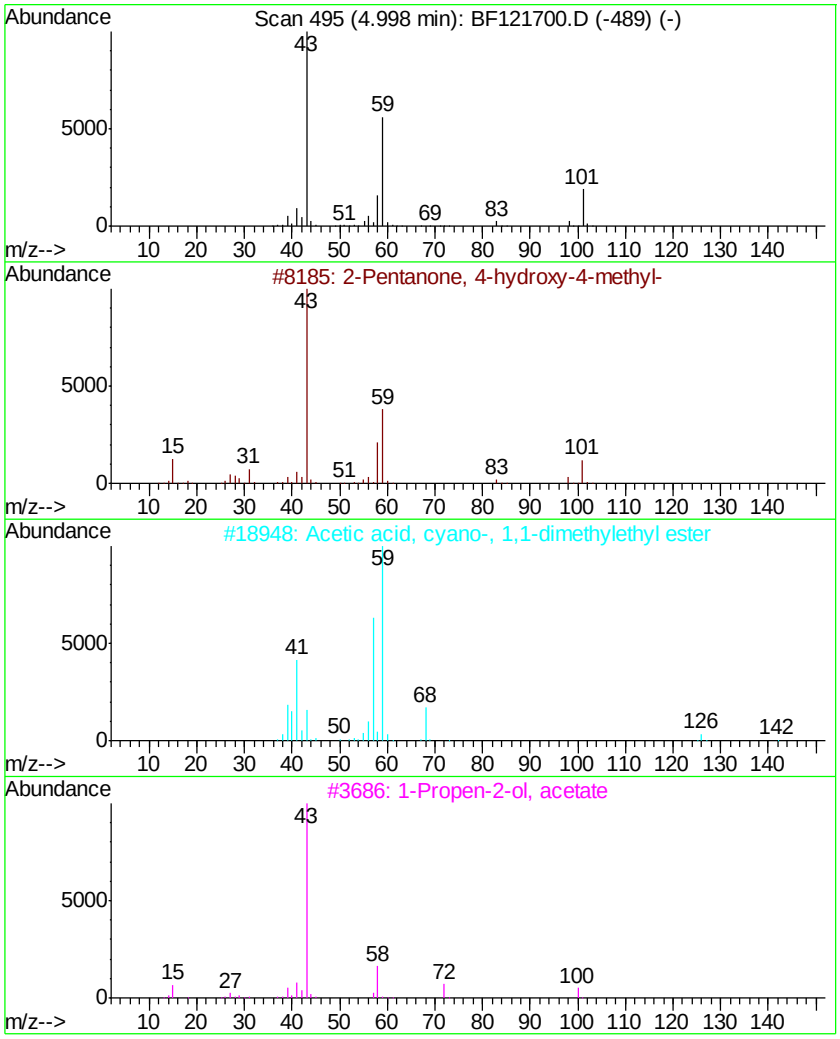
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

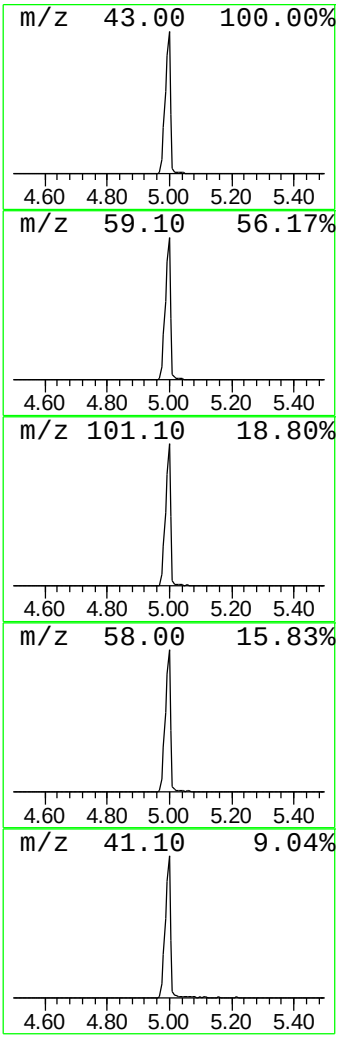
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	39.69 ng	1804050	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Library Search Compound Report

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

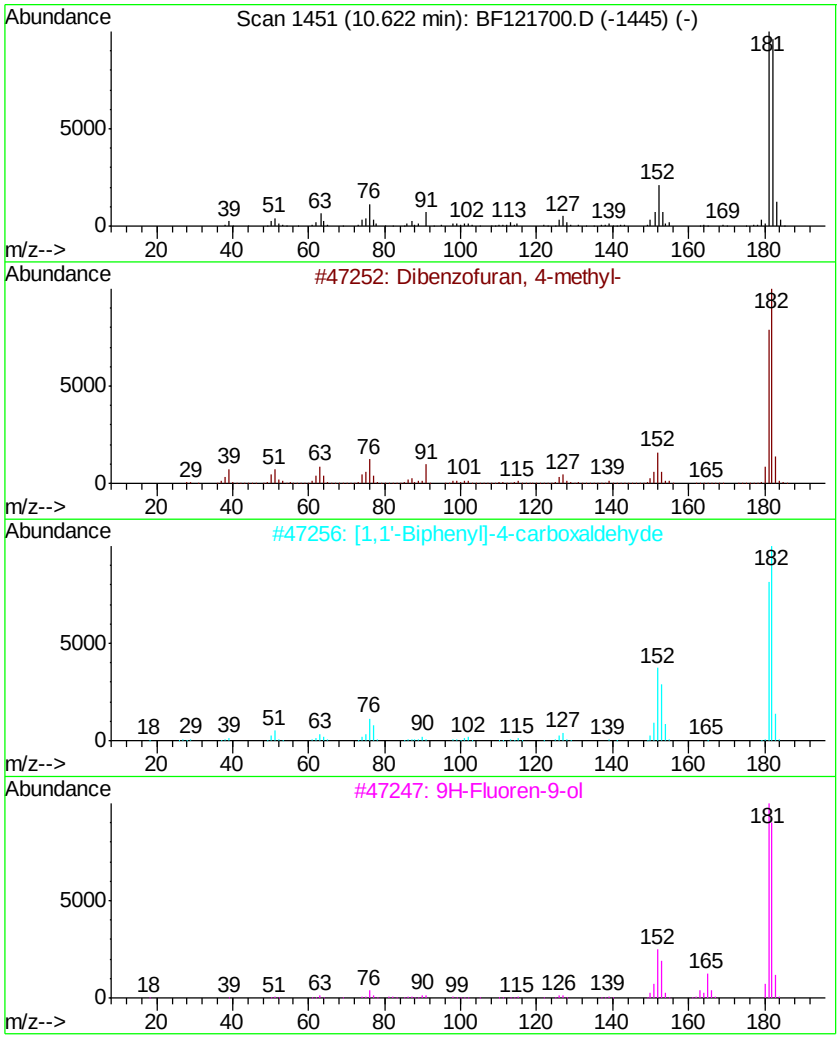
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

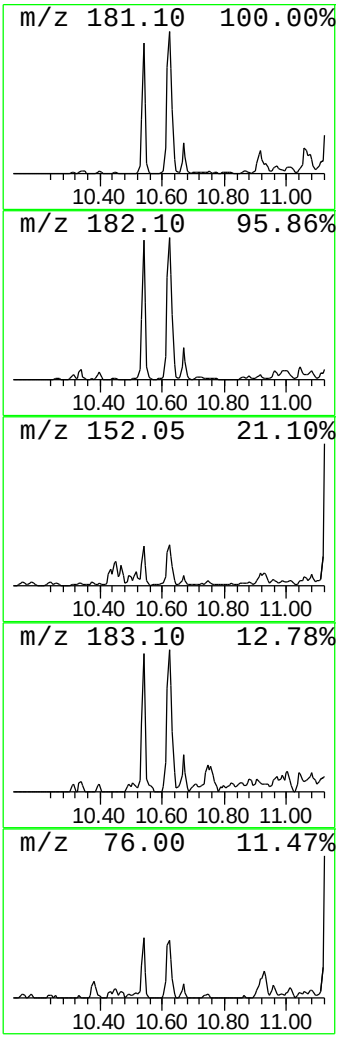
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	5.40 ng	389569	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	9H-Xanthene	182	C13H10O	000092-83-1	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092520\
Data File : BF121700.D
Acq On : 25 Sep 2020 17:26
Operator : JU/CG
Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

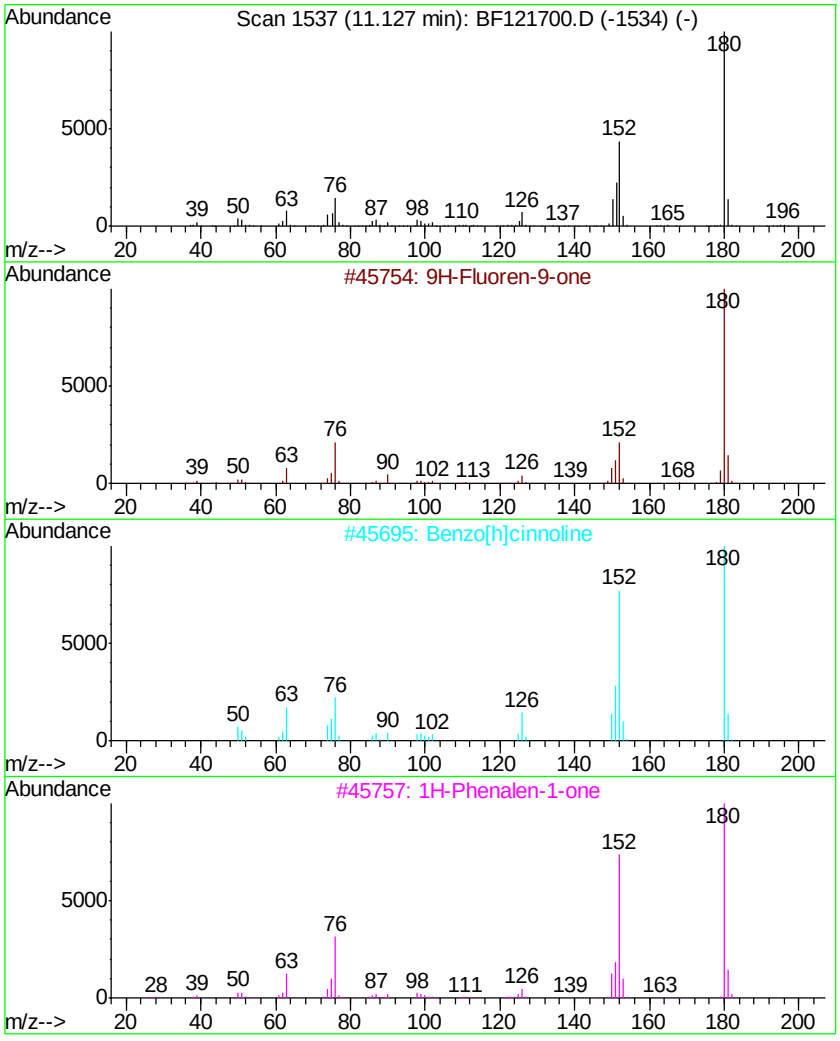
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

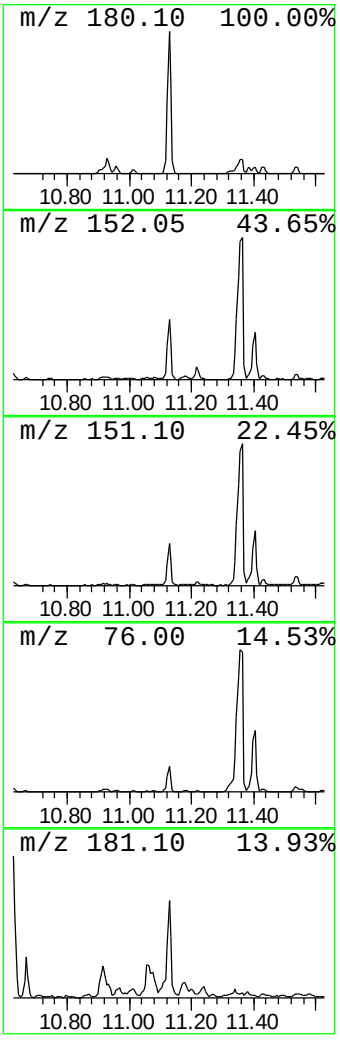
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	9.77 ng	704746	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	64
5	2-Benzothiophen-4(5H)-one, 6,7-d...	180	C10H12OS	1000338-11-9	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092520\
Data File : BF121700.D
Acq On : 25 Sep 2020 17:26
Operator : JU/CG
Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

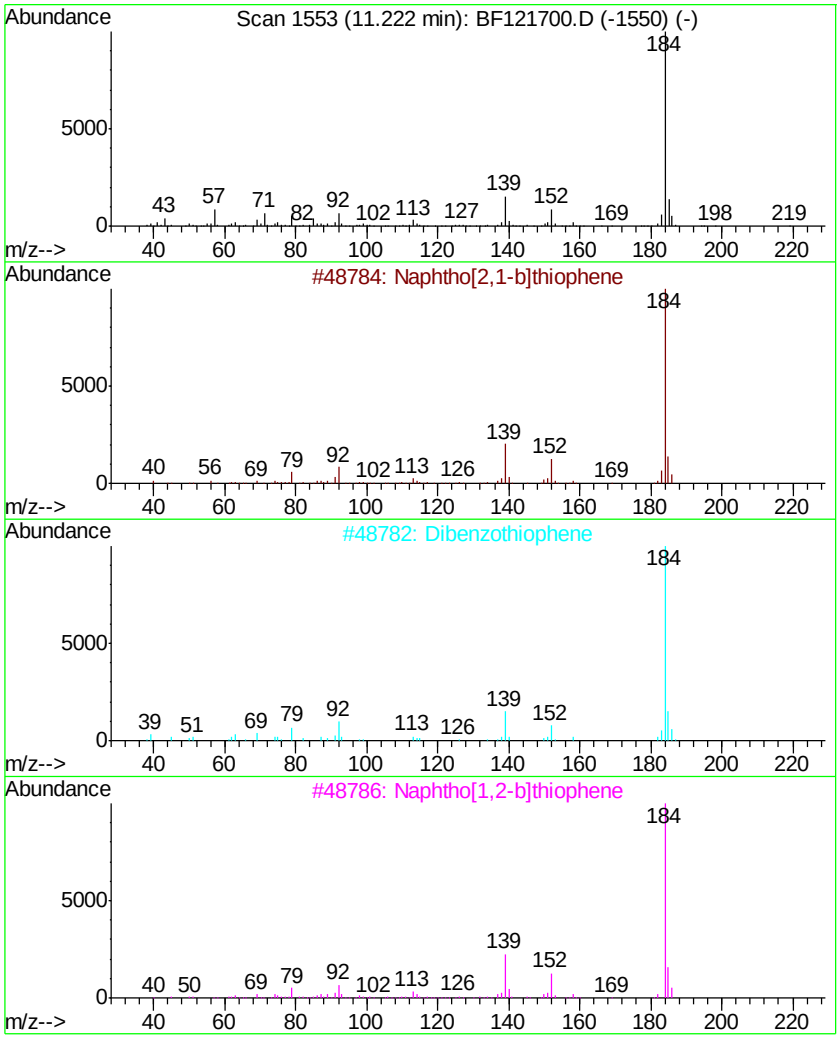
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

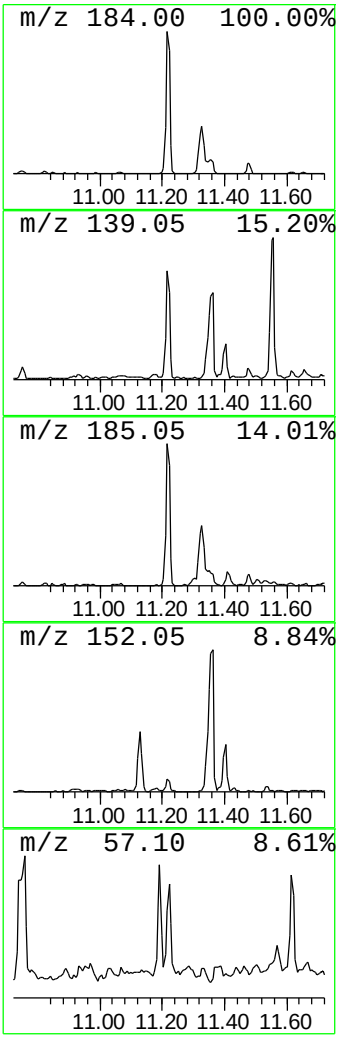
****

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	8.29 ng	597849	Phenanthrene-d10	11.33

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	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Data File : BF121700.D
Acq On : 25 Sep 2020 17:26
Operator : JU/CG
Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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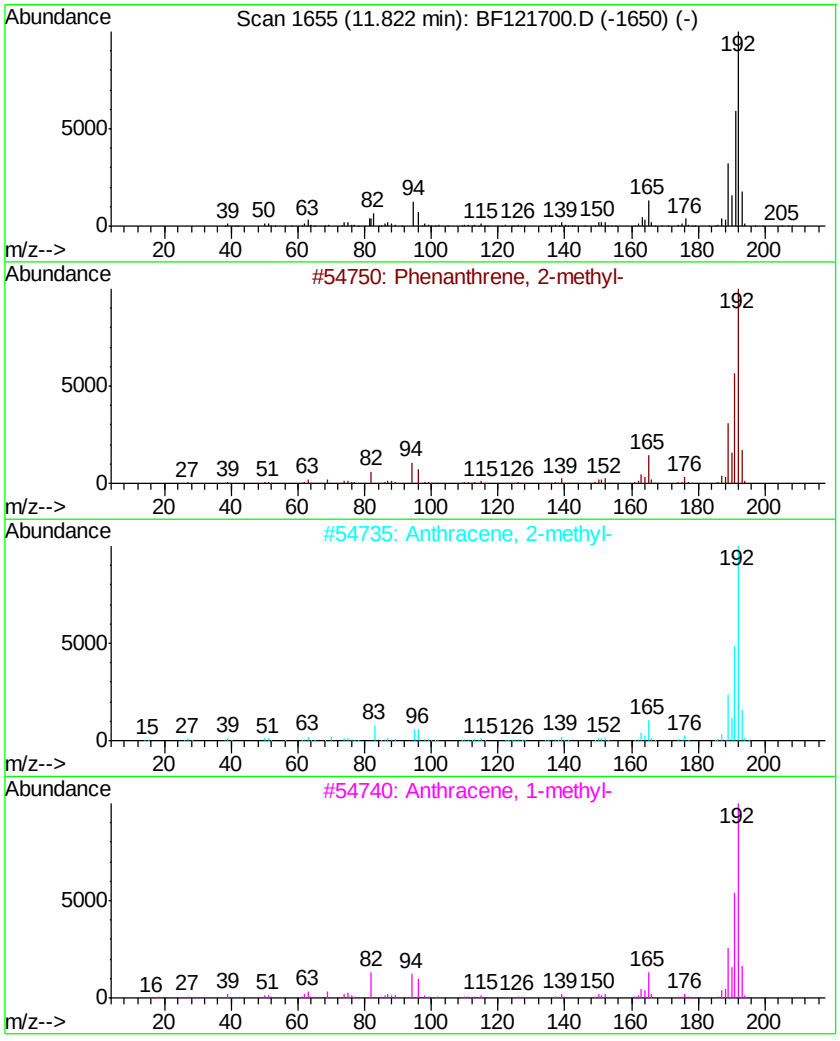
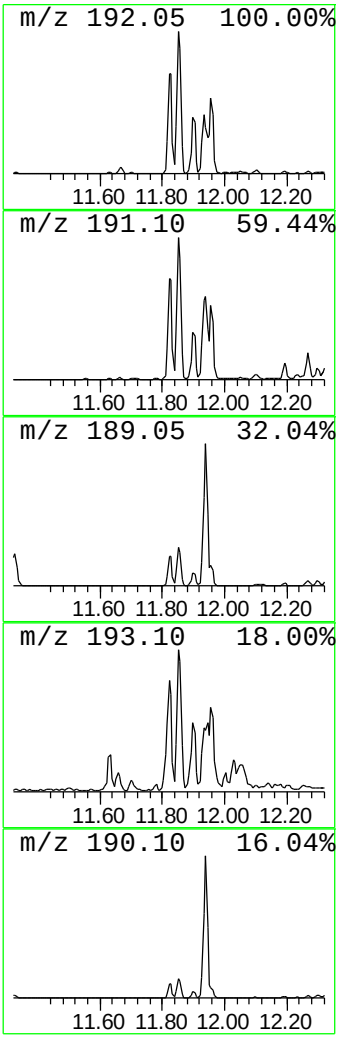
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	10.60 ng	764667	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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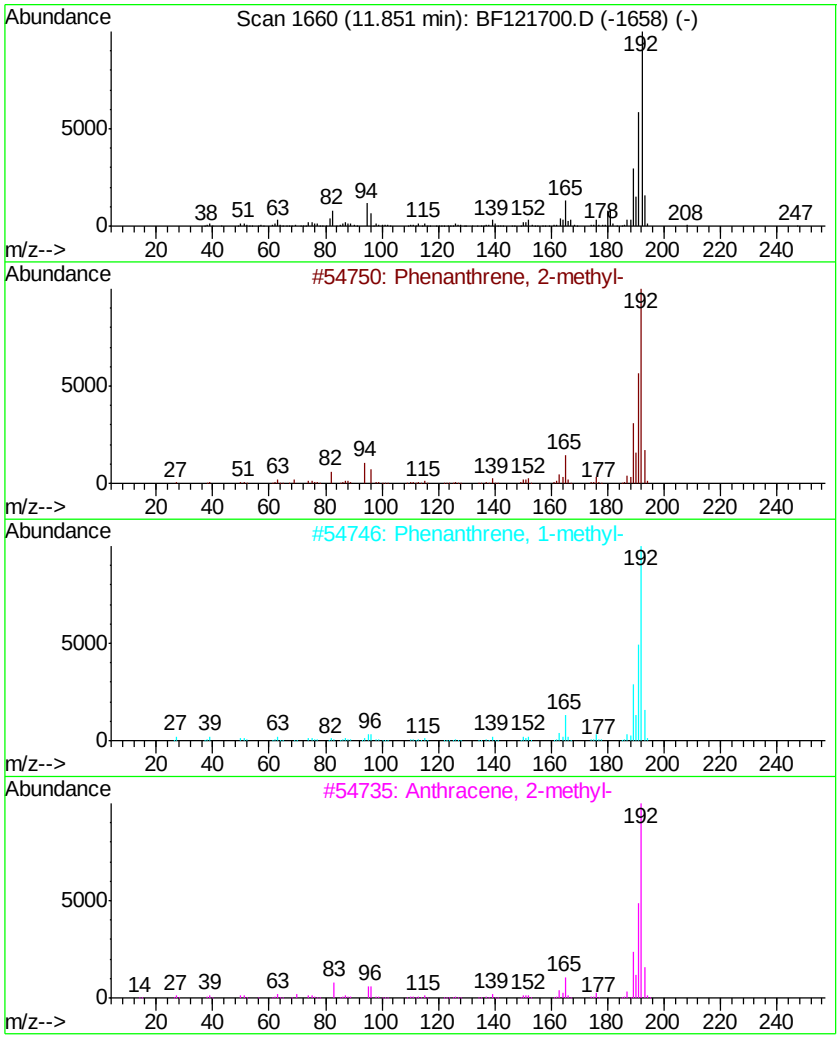
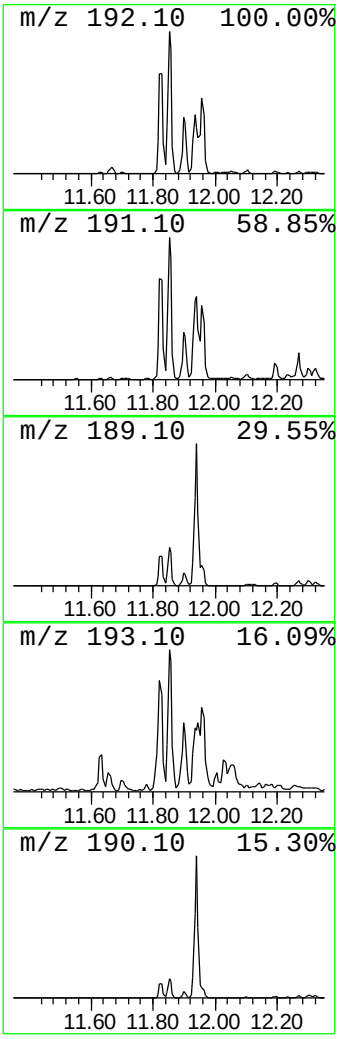
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	13.57 ng	978850	Phenanthrene-d10	11.33

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	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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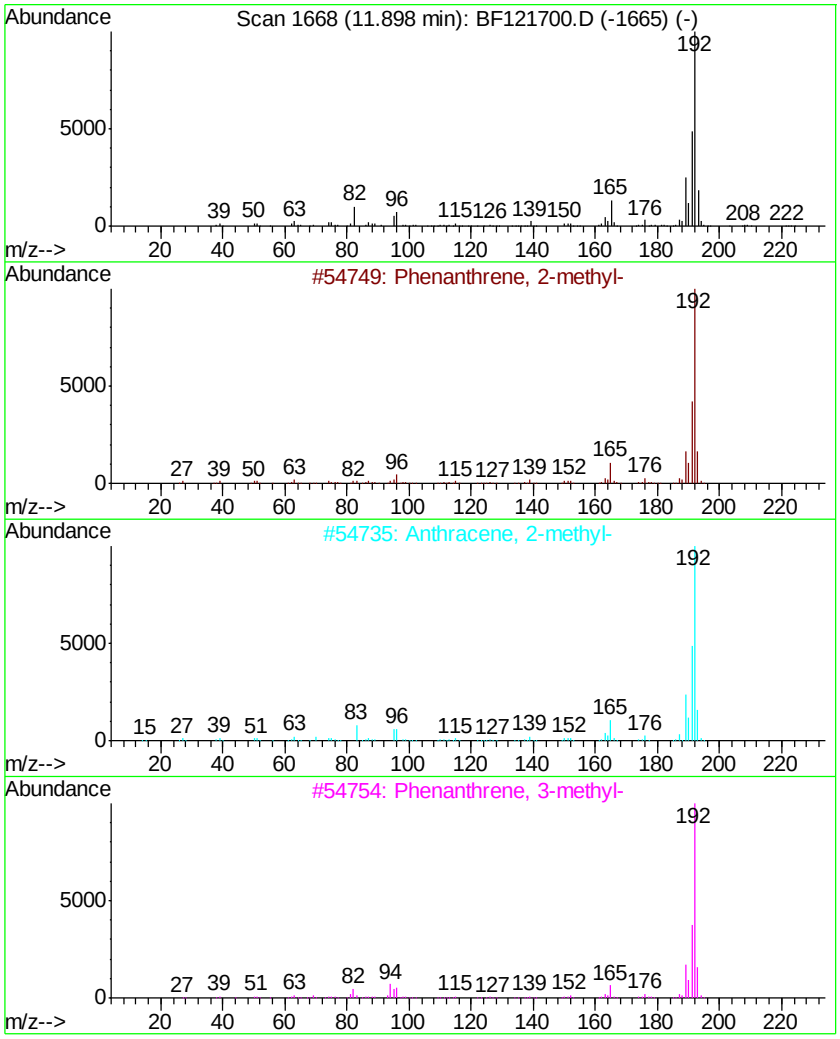
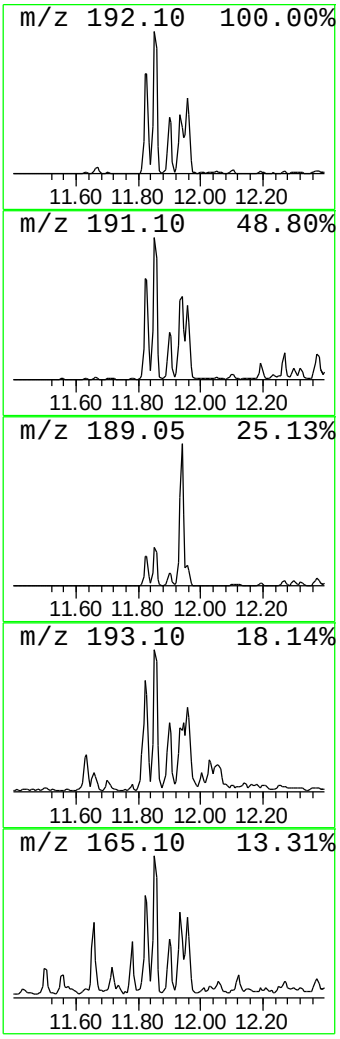
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	4.75 ng	342365	Phenanthrene-d10	11.33

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	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Operator : JU/CG
Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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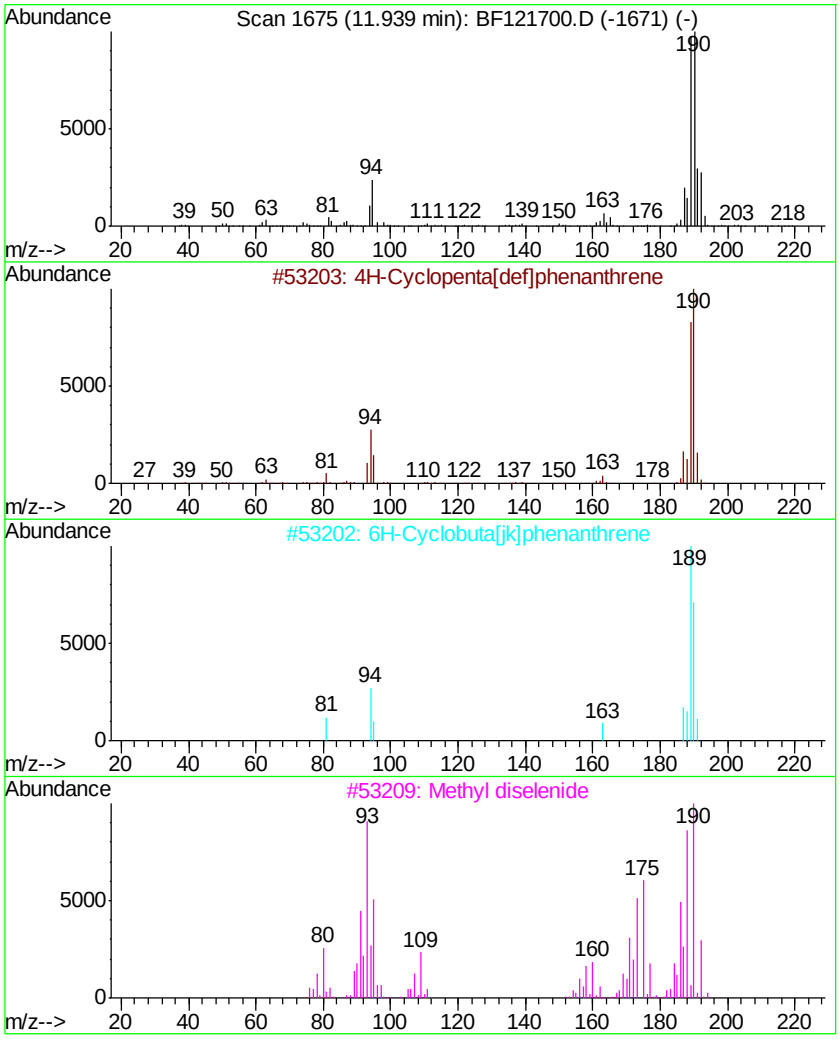
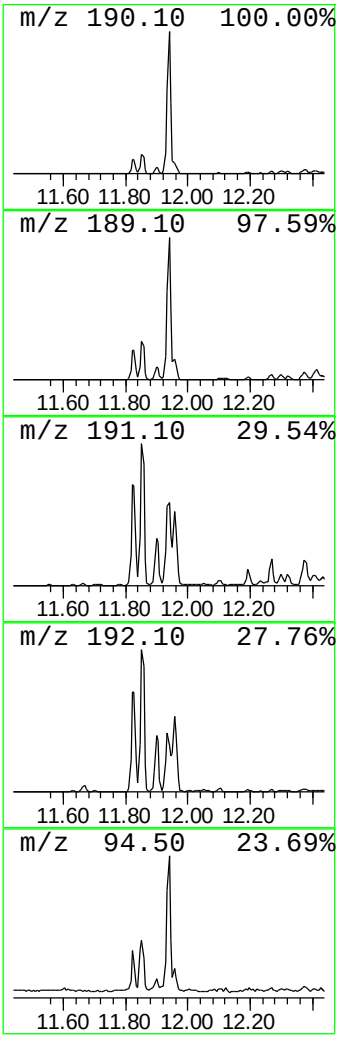
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	19.67 ng	1418810	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Misc :
ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId : WR-PILE-5-7

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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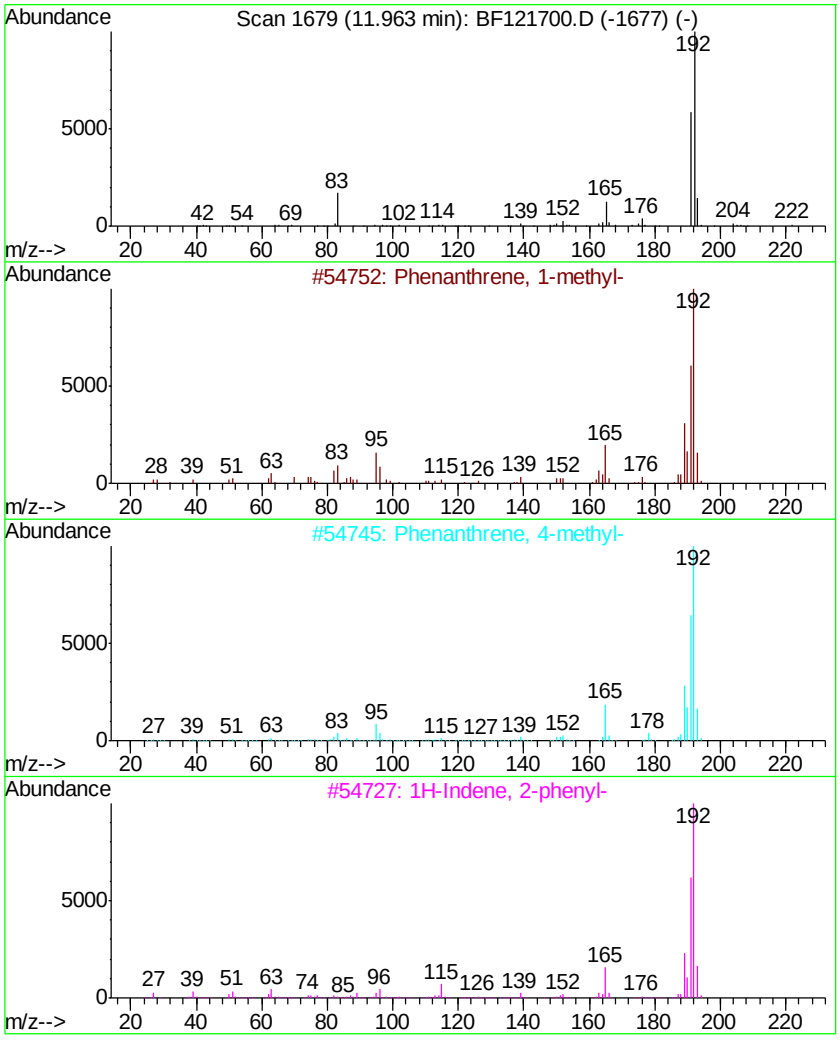
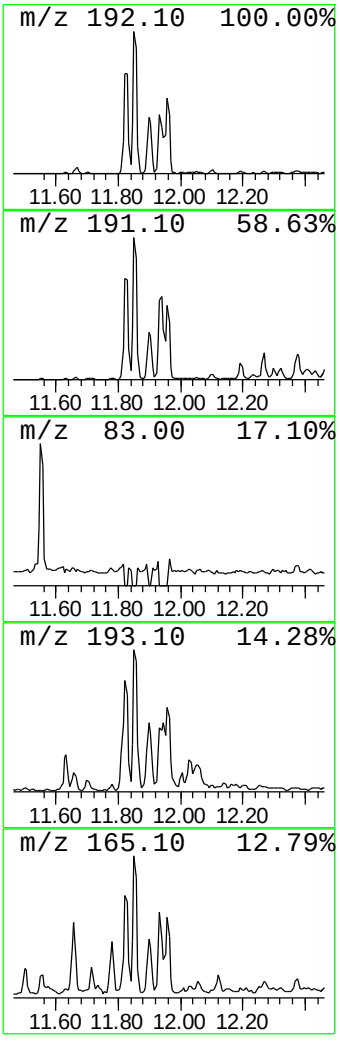
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	5.15 ng	371442	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





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Acq On : 25 Sep 2020 17:26
Operator : JU/CG
Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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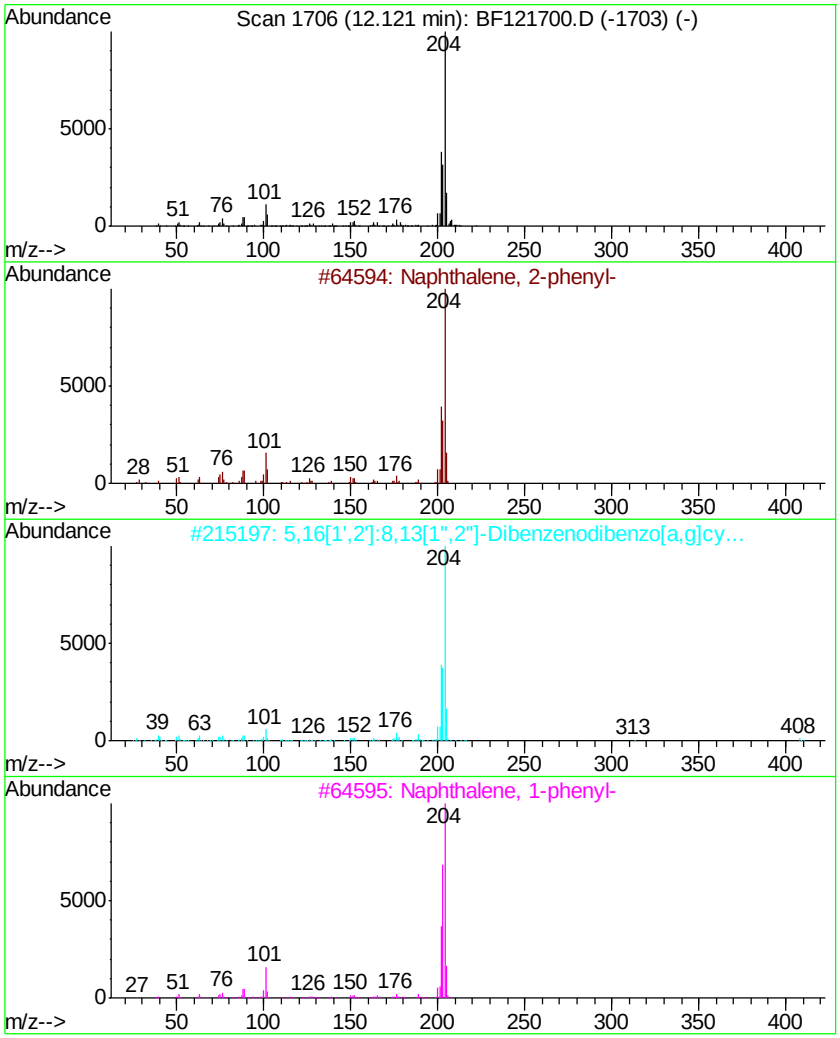
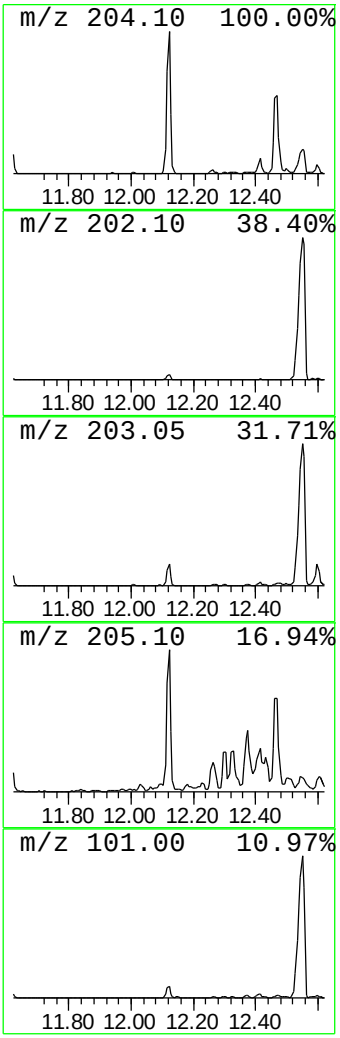
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	7.28 ng	525226	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





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Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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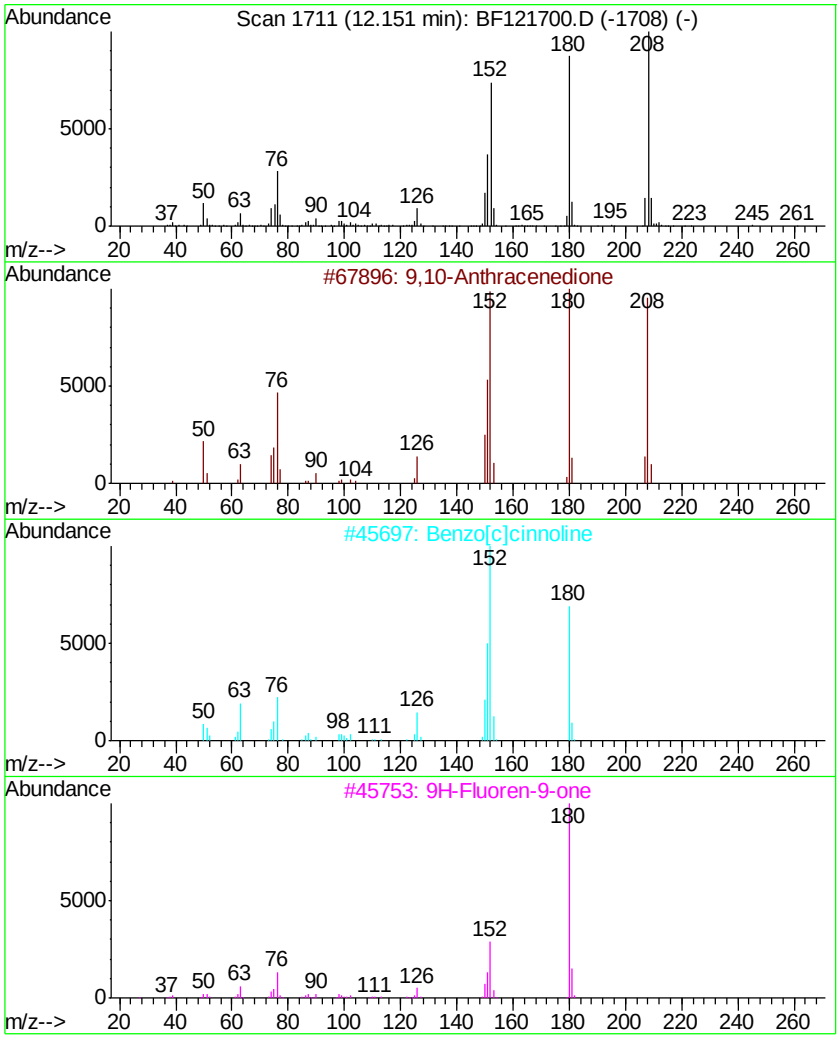
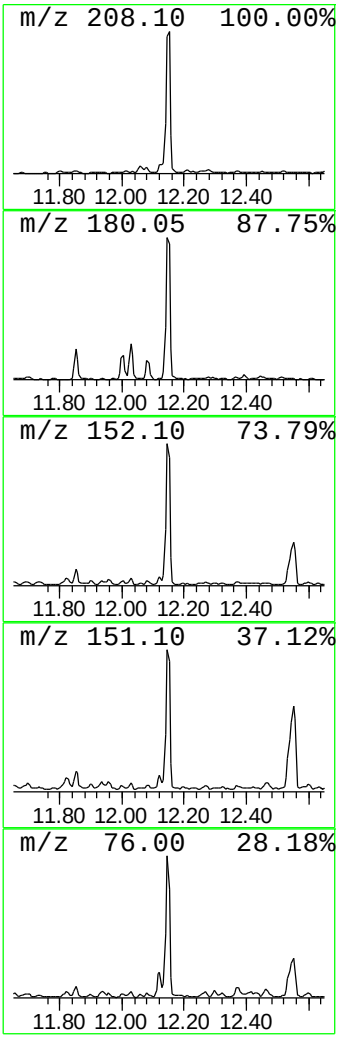
Peak Number 12 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	9.28 ng	668922	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53





Library Search Compound Report

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Operator : JU/CG
Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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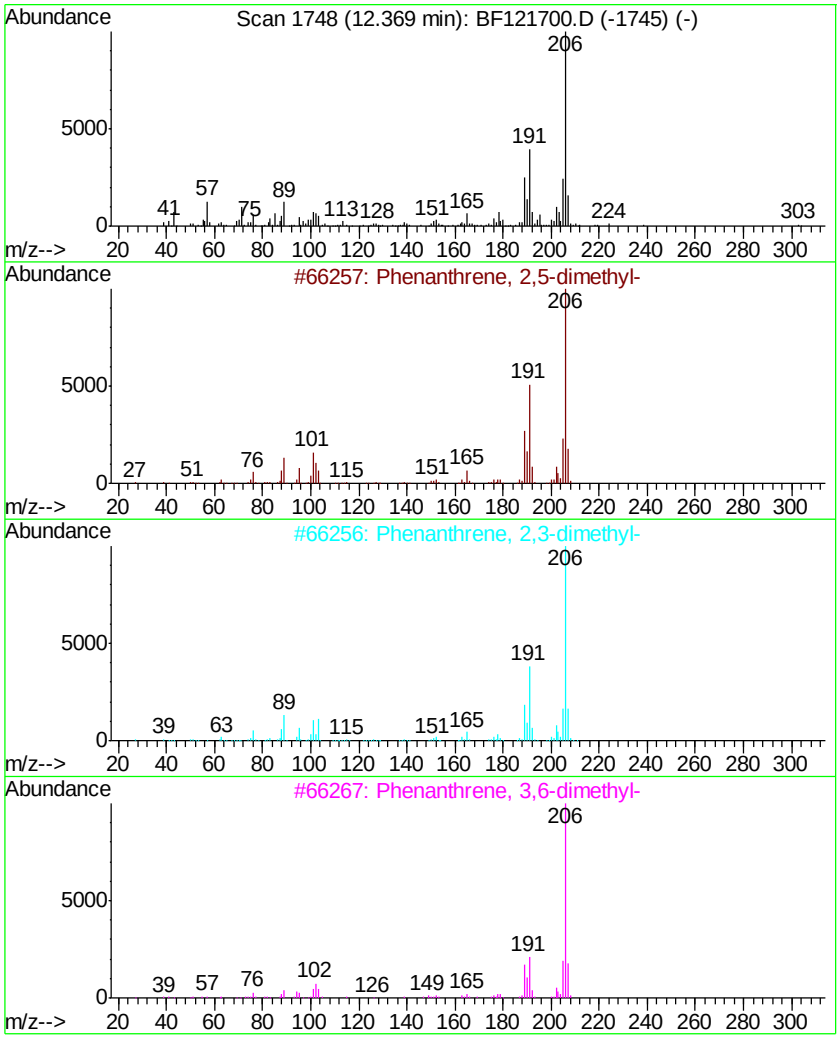
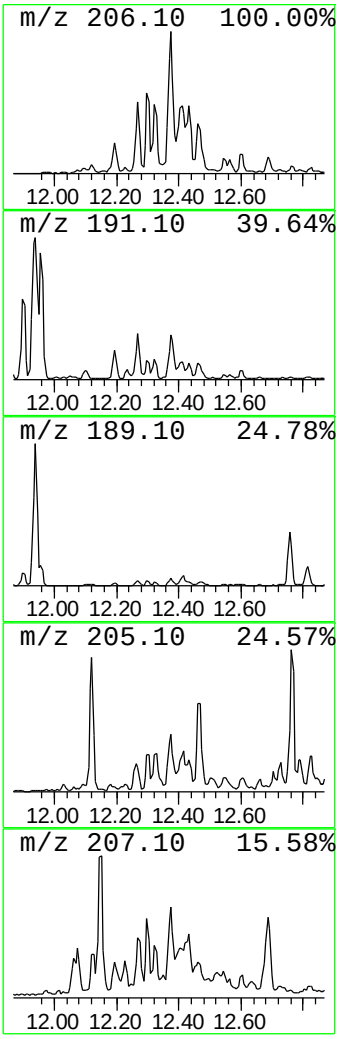
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	4.89 ng	352444	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





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Sample : L4152-03 5X
Misc :
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Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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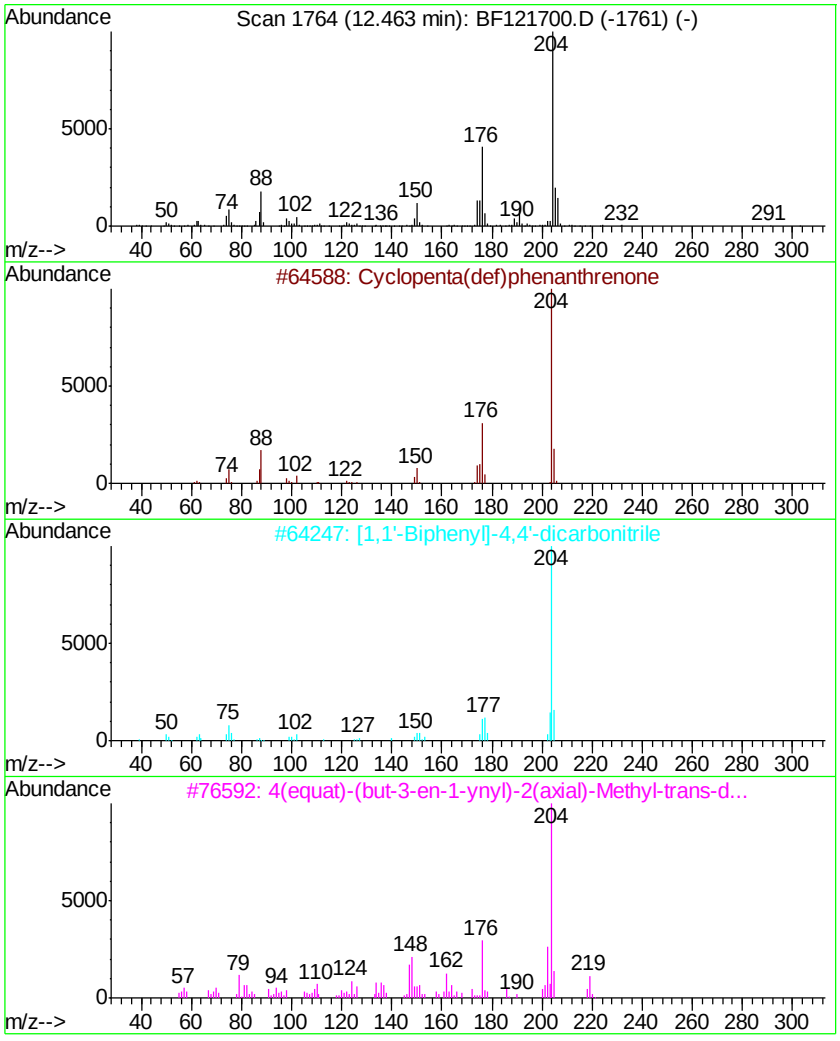
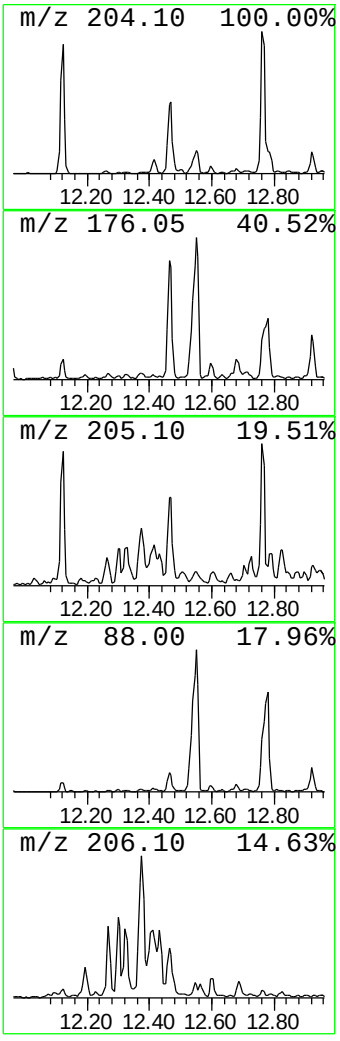
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	6.15 ng	443780	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	53
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49





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Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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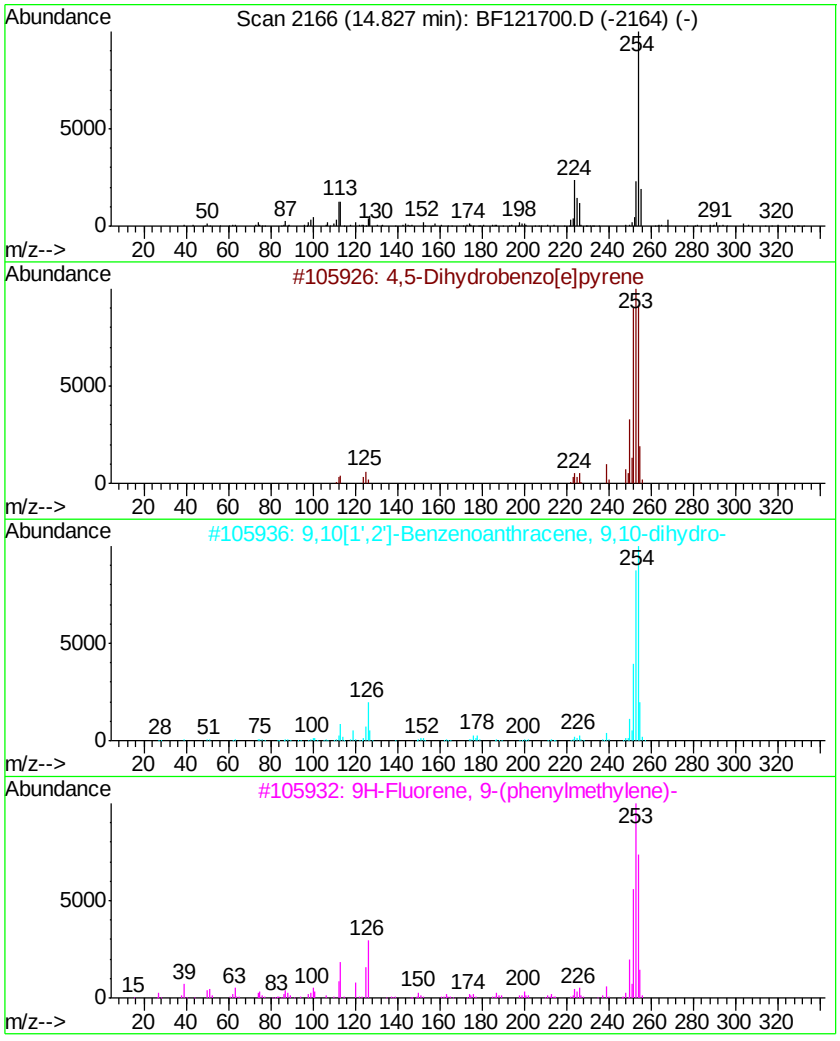
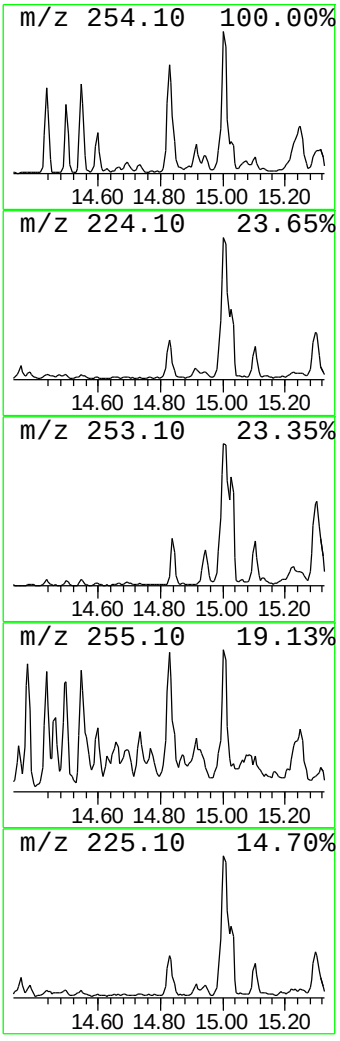
Peak Number 15 4,5-Dihydrobenzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	8.61 ng	450937	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	72
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64
4	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
5	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	59





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Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

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

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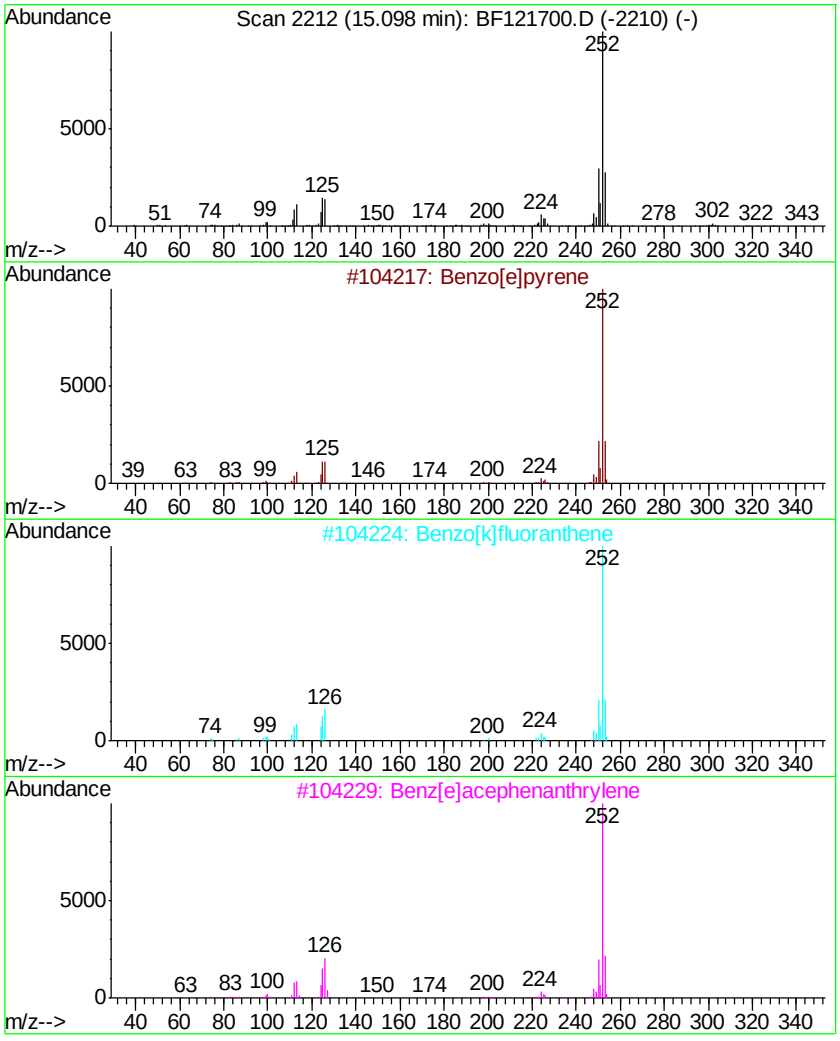
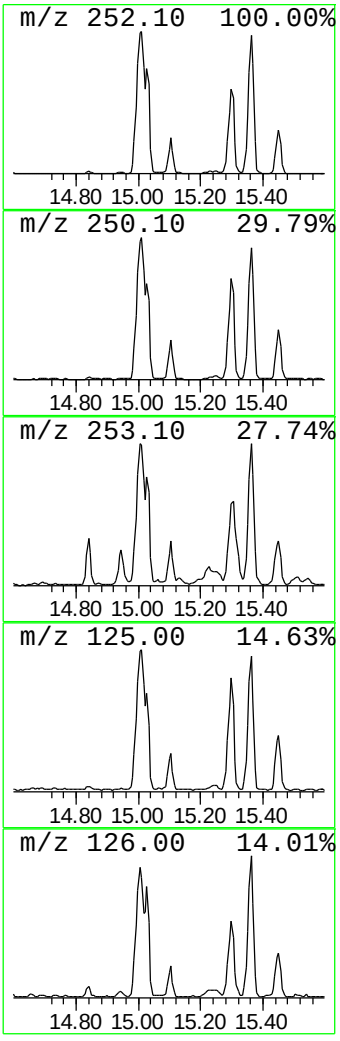
Peak Number 16 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	9.20 ng	481767	Perylene-d12	15.42

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	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Perylene	252	C20H12	000198-55-0	93





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Data File : BF121700.D
Acq On : 25 Sep 2020 17:26
Operator : JU/CG
Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

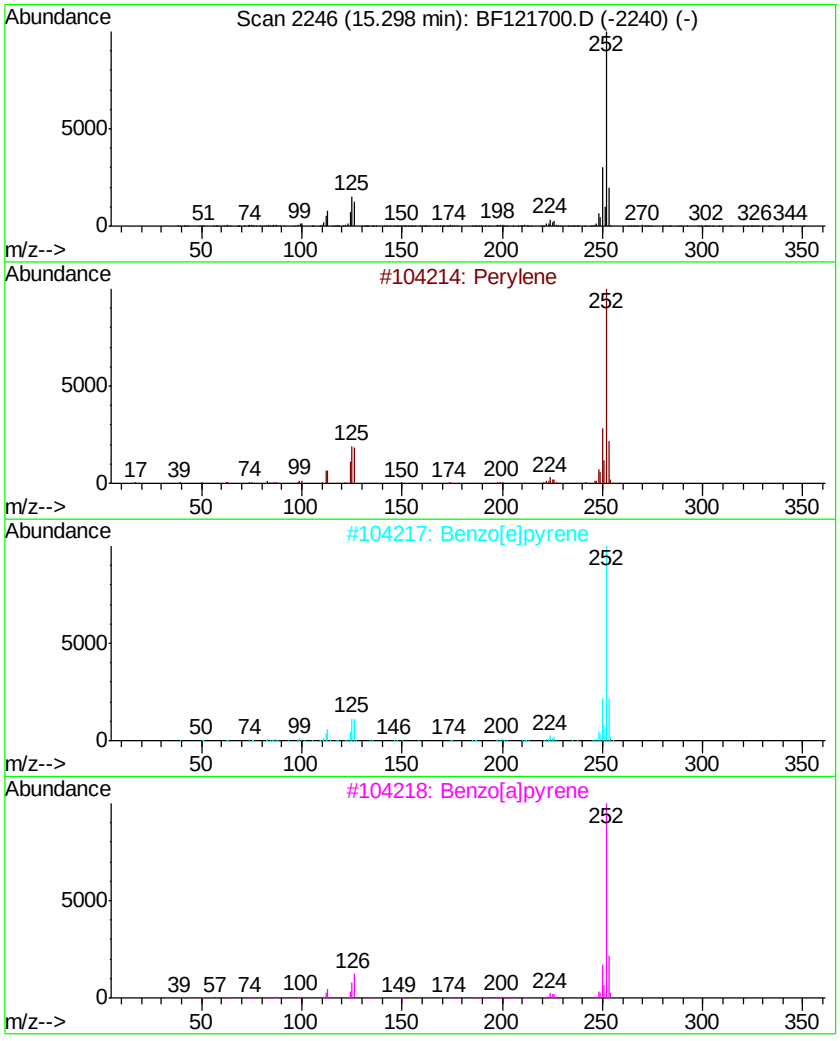
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

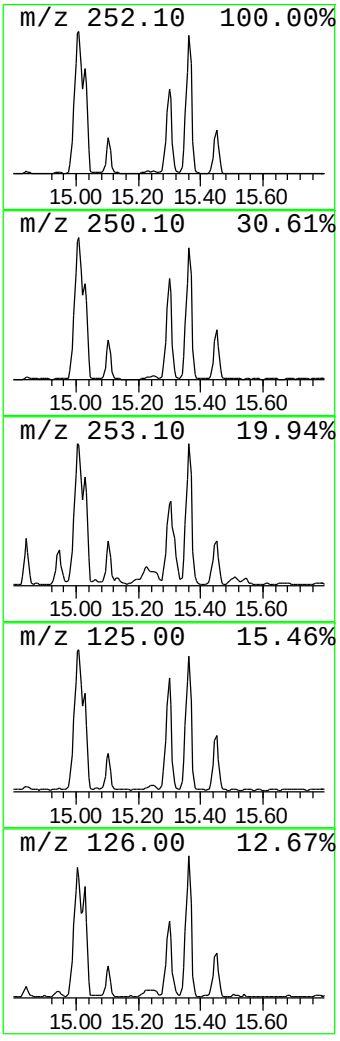
****

Peak Number 17 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	36.45 ng	1908950	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092520\
Data File : BF121700.D
Acq On : 25 Sep 2020 17:26
Operator : JU/CG
Sample : L4152-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WR-PILE-5-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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
3-Penten-2-one, 4...	4.38	156.1	ng	7092790	1	6.80	908965	20.0
2-Pentanone, 4-hy...	5.00	39.7	ng	1804050	1	6.80	908965	20.0
Dibenzofuran, 4-m...	10.62	5.4	ng	389569	4	11.33	1442320	20.0
9H-Fluoren-9-one	11.13	9.8	ng	704746	4	11.33	1442320	20.0
Naphtho[2,1-b]thi...	11.22	8.3	ng	597849	4	11.33	1442320	20.0
Phenanthrene, 2-m...	11.82	10.6	ng	764667	4	11.33	1442320	20.0
Phenanthrene, 1-m...	11.85	13.6	ng	978850	4	11.33	1442320	20.0
Anthracene, 2-met...	11.90	4.8	ng	342365	4	11.33	1442320	20.0
4H-Cyclopenta[def...	11.94	19.7	ng	1418810	4	11.33	1442320	20.0
Phenanthrene, 4-m...	11.96	5.2	ng	371442	4	11.33	1442320	20.0
Naphthalene, 2-ph...	12.12	7.3	ng	525226	4	11.33	1442320	20.0
9,10-Anthracenedione	12.15	9.3	ng	668922	4	11.33	1442320	20.0
Phenanthrene, 2,5...	12.37	4.9	ng	352444	4	11.33	1442320	20.0
Cyclopenta(def)ph...	12.46	6.2	ng	443780	4	11.33	1442320	20.0
4,5-Dihydrobenzo[...	14.83	8.6	ng	450937	6	15.42	1047340	20.0
Benzo[e]pyrene	15.10	9.2	ng	481767	6	15.42	1047340	20.0
Perylene	15.30	36.5	ng	1908950	6	15.42	1047340	20.0