LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121711.D
Acq On : 28 Sep 2020 14:36
Operator : JU/CG
Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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	5.416	562	566	569	rBV	3073332	2800527	56.55%	3.613%
2	6.434	734	739	748	rBV	2959923	2939109	59.35%	3.792%
3	6.792	797	800	807	rVB	1142684	975991	19.71%	1.259%
4	7.357	891	896	899	rVV	2100110	2070584	41.81%	2.671%
5	7.392	899	902	906	rVB	140914	131029	2.65%	0.169%
6	8.080	1012	1019	1021	rBV	1306291	1434564	28.97%	1.851%
7	8.098	1021	1022	1025	rVV	277391	166584	3.36%	0.215%
8	8.139	1026	1029	1032	rVB	236716	187806	3.79%	0.242%
9	8.369	1061	1068	1071	rBV5	125675	225263	4.55%	0.291%
10	8.498	1086	1090	1092	rBV	309179	291907	5.89%	0.377%
11	8.622	1107	1111	1113	rBV2	116929	131011	2.65%	0.169%
12	8.669	1116	1119	1123	rBV	251076	236542	4.78%	0.305%
13	8.886	1154	1156	1161	rVB2	143132	139360	2.81%	0.180%
14	8.957	1165	1168	1171	rBV4	120341	173485	3.50%	0.224%
15	9.098	1190	1192	1197	rVB	388214	310579	6.27%	0.401%
16	9.151	1197	1201	1204	rBV	3504658	3286966	66.38%	4.241%
17	9.233	1211	1215	1220	rBV2	486876	605295	12.22%	0.781%
18	9.486	1256	1258	1261	rBV	161827	142161	2.87%	0.183%
19	9.551	1265	1269	1272	rBV3	637001	898915	18.15%	1.160%
20	9.692	1290	1293	1296	rBV	322427	332231	6.71%	0.429%
21	9.763	1303	1305	1309	rVB	286861	218633	4.42%	0.282%
22	9.827	1309	1316	1319	rBV	1495914	1559321	31.49%	2.012%
23	9.863	1319	1322	1325	rVB	430294	345736	6.98%	0.446%
24	9.986	1341	1343	1347	rVV2	114062	163133	3.29%	0.210%
25	10.033	1347	1351	1356	rVV2	368740	465375	9.40%	0.600%
26	10.086	1356	1360	1363	rVB3	170845	224533	4.53%	0.290%
27	10.145	1368	1370	1372	rBV2	121101	119259	2.41%	0.154%
28	10.239	1383	1386	1387	rBV2	139646	123572	2.50%	0.159%
29	10.263	1387	1390	1392	rVB	275417	222635	4.50%	0.287%
30	10.374	1406	1409	1415	rBV	468302	479991	9.69%	0.619%
31	10.480	1422	1427	1430	rBV	453548	573879	11.59%	0.740%
32	10.533	1433	1436	1440	rVB	238988	208912	4.22%	0.270%
33	10.621	1445	1451	1454	rBV	2342012	2318309	46.82%	2.991%
34	10.751	1468	1473	1478	rVB	873655	1120311	22.62%	1.445%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121711.D
Acq On : 28 Sep 2020 14:36
Operator : JU/CG
Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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	10.951	1505	1507	1511	rVB4	119154	131809	2.66%	0.170%
36	11.121	1533	1536	1539	rVB	247998	231368	4.67%	0.299%
37	11.180	1541	1546	1548	rVV4	236434	353089	7.13%	0.456%
38	11.210	1548	1551	1557	rVB	756810	824110	16.64%	1.063%
39	11.316	1565	1569	1571	rBV	1516160	1511844	30.53%	1.951%
40	11.345	1571	1574	1577	rVV	3949983	3484283	70.36%	4.495%
41	11.392	1577	1582	1585	rVB	1094732	958881	19.36%	1.237%
42	11.421	1585	1587	1590	rBV2	140538	148019	2.99%	0.191%
43	11.545	1603	1608	1610	rBV2	389449	415755	8.40%	0.536%
44	11.610	1616	1619	1621	rVV	296157	209937	4.24%	0.271%
45	11.645	1623	1625	1631	rVB3	155243	198531	4.01%	0.256%
46	11.816	1651	1654	1656	rVV	668145	580530	11.72%	0.749%
47	11.845	1656	1659	1662	rVV	965037	836271	16.89%	1.079%
48	11.892	1664	1667	1669	rVV	336437	318524	6.43%	0.411%
49	11.927	1669	1673	1675	rVV	975775	1021564	20.63%	1.318%
50	11.951	1675	1677	1681	rVB	491387	408715	8.25%	0.527%
51	12.015	1686	1688	1691	rVB2	209740	167369	3.38%	0.216%
52	12.110	1701	1704	1706	rBV	474689	362211	7.31%	0.467%
53	12.133	1706	1708	1712	rVB	330483	306392	6.19%	0.395%
54	12.257	1727	1729	1732	rVB	147594	138701	2.80%	0.179%
55	12.292	1732	1735	1737	rVV2	192916	176201	3.56%	0.227%
56	12.363	1744	1747	1751	rBV	358828	430194	8.69%	0.555%
57	12.404	1751	1754	1759	rVB3	328134	411678	8.31%	0.531%
58	12.451	1759	1762	1767	rBV	361395	376272	7.60%	0.485%
59	12.533	1771	1776	1779	rVV	4428822	4544727	91.78%	5.863%
60	12.621	1789	1791	1794	rVV	154534	147767	2.98%	0.191%
61	12.674	1798	1800	1805	rVV2	205372	263057	5.31%	0.339%
62	12.762	1808	1815	1820	rVV2	3839564	4951960	100.00%	6.389%
63	12.804	1820	1822	1826	rVB2	236853	243436	4.92%	0.314%
64	12.874	1831	1834	1835	rVV	303654	273552	5.52%	0.353%
65	12.904	1835	1839	1845	rVB	3341662	3470877	70.09%	4.478%
66	12.980	1846	1852	1855	rBV3	364395	625629	12.63%	0.807%
67	13.057	1862	1865	1867	rVV4	301860	374959	7.57%	0.484%
68	13.086	1867	1870	1873	rVB	579364	578026	11.67%	0.746%
69	13.151	1878	1881	1883	rVV	381174	316770	6.40%	0.409%
70	13.186	1883	1887	1890	rVV2	525677	579689	11.71%	0.748%
71	13.280	1899	1903	1905	rVB2	279633	280322	5.66%	0.362%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121711.D
Acq On : 28 Sep 2020 14:36
Operator : JU/CG
Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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	13.310	1905	1908	1911	rBV	338209	309543	6.25%	0.399%
73	13.468	1933	1935	1939	rBV4	105042	128505	2.60%	0.166%
74	13.592	1953	1956	1960	rVB	408619	412031	8.32%	0.532%
75	13.698	1970	1974	1977	rBV2	407230	472142	9.53%	0.609%
76	13.727	1977	1979	1981	rVV	421060	356383	7.20%	0.460%
77	13.751	1981	1983	1988	rVV2	301509	439511	8.88%	0.567%
78	13.798	1988	1991	2000	rVB2	653300	843724	17.04%	1.089%
79	13.951	2010	2017	2020	rBV2	2411051	3691608	74.55%	4.763%
80	13.980	2020	2022	2025	rVB	1831079	1502687	30.35%	1.939%
81	14.057	2033	2035	2037	rBV	249470	183951	3.71%	0.237%
82	14.174	2051	2055	2058	rVB2	183939	224444	4.53%	0.290%
83	14.339	2080	2083	2086	rVB	422479	361916	7.31%	0.467%
84	14.368	2086	2088	2092	rVB	228837	202384	4.09%	0.261%
85	14.421	2095	2097	2101	rVB2	116073	144657	2.92%	0.187%
86	14.462	2101	2104	2106	rBV	182210	166017	3.35%	0.214%
87	14.645	2132	2135	2137	rBV3	126196	123093	2.49%	0.159%
88	14.721	2145	2148	2151	rBV2	125343	130152	2.63%	0.168%
89	14.986	2188	2193	2196	rBV	1554635	2574992	52.00%	3.322%
90	15.086	2207	2210	2213	rBV	375390	358325	7.24%	0.462%
91	15.280	2238	2243	2249	rVB	1011853	1326447	26.79%	1.711%
92	15.345	2249	2254	2259	rVB	1493645	1833568	37.03%	2.366%
93	15.404	2259	2264	2266	rBV	799459	1036681	20.93%	1.338%
94	15.427	2266	2268	2275	rVB2	496265	641782	12.96%	0.828%
95	16.498	2447	2450	2460	rVB6	128023	281370	5.68%	0.363%
96	16.833	2500	2507	2514	rVB2	771645	1477257	29.83%	1.906%
97	16.992	2529	2534	2539	rBV	170306	322390	6.51%	0.416%
98	17.050	2540	2544	2549	rVV2	133164	245572	4.96%	0.317%
99	17.262	2573	2580	2588	rVB	593816	1173774	23.70%	1.514%
100	17.486	2613	2618	2623	rVB	145087	267366	5.40%	0.345%

Sum of corrected areas: 77508799

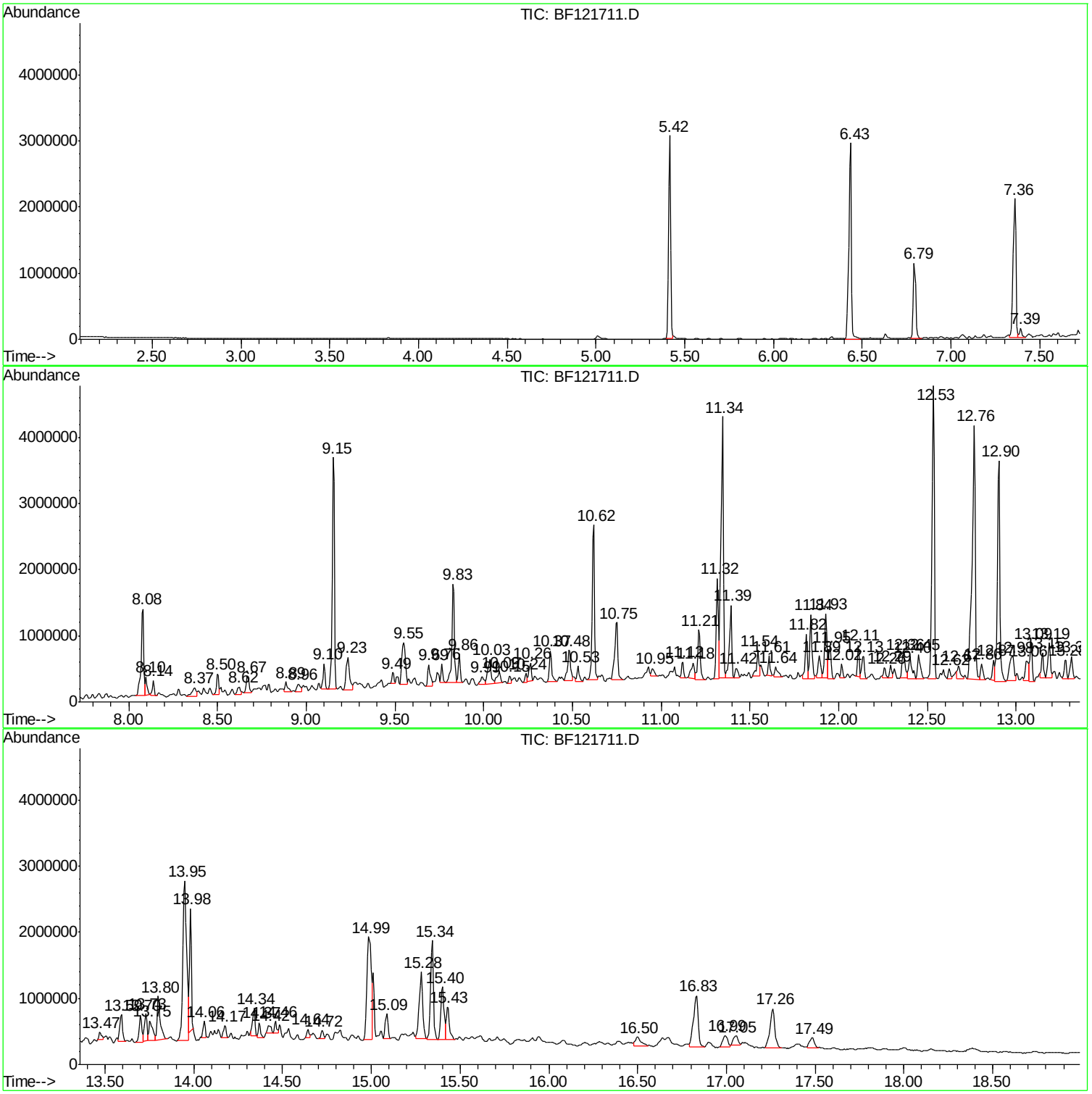
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121711.D
Acq On : 28 Sep 2020 14:36
Operator : JU/CG
Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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\BF092820\
Data File : BF121711.D
Acq On : 28 Sep 2020 14:36
Operator : JU/CG
Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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

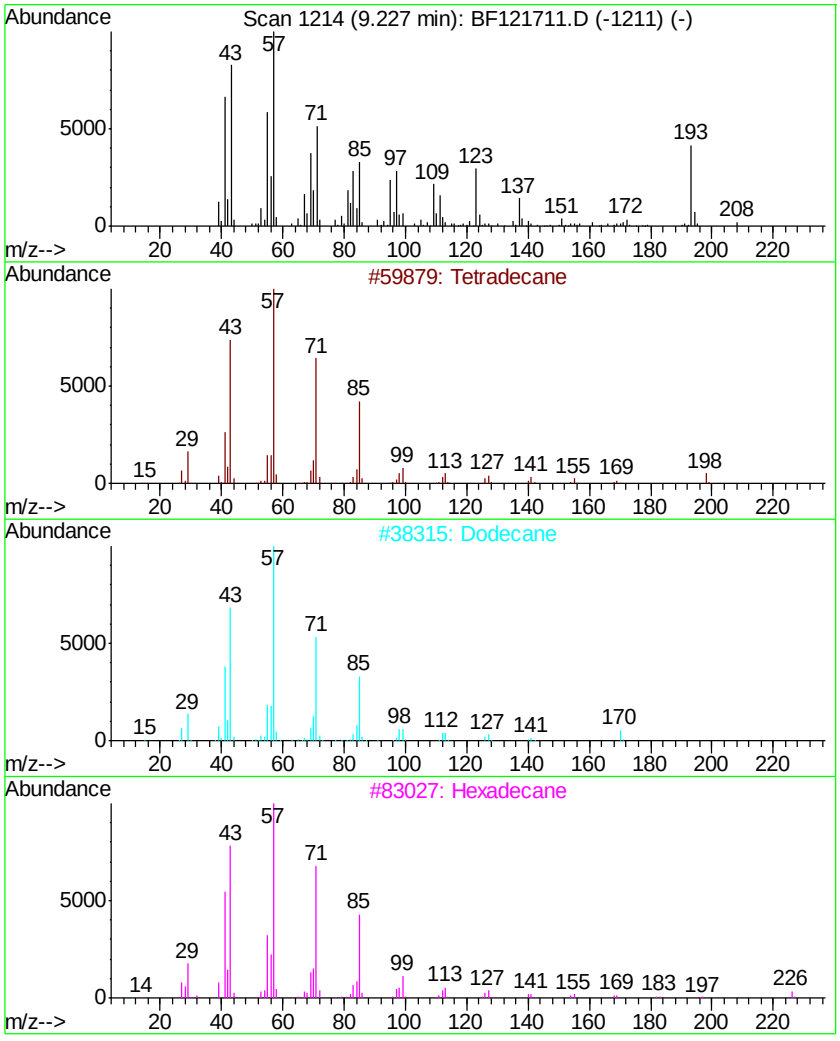
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

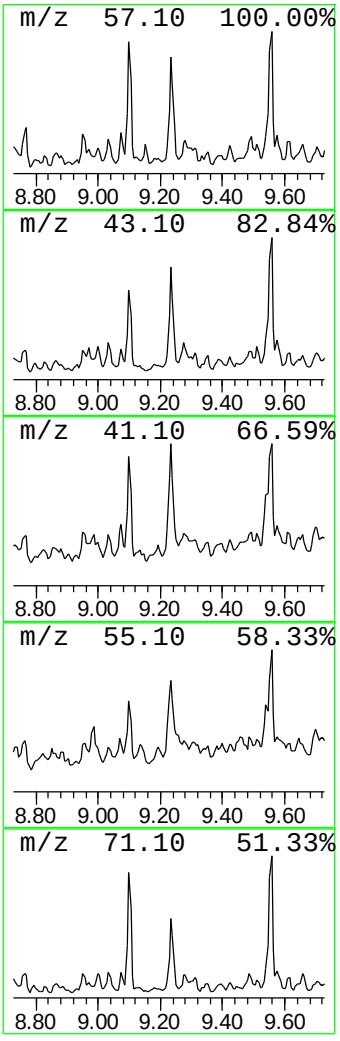
****

Peak Number 1 Tetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	7.76 ng	605295	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	64
2	Dodecane	170	C12H26	000112-40-3	64
3	Hexadecane	226	C16H34	000544-76-3	58
4	Tridecane	184	C13H28	000629-50-5	58
5	Octacosane	394	C28H58	000630-02-4	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121711.D
Acq On : 28 Sep 2020 14:36
Operator : JU/CG
Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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

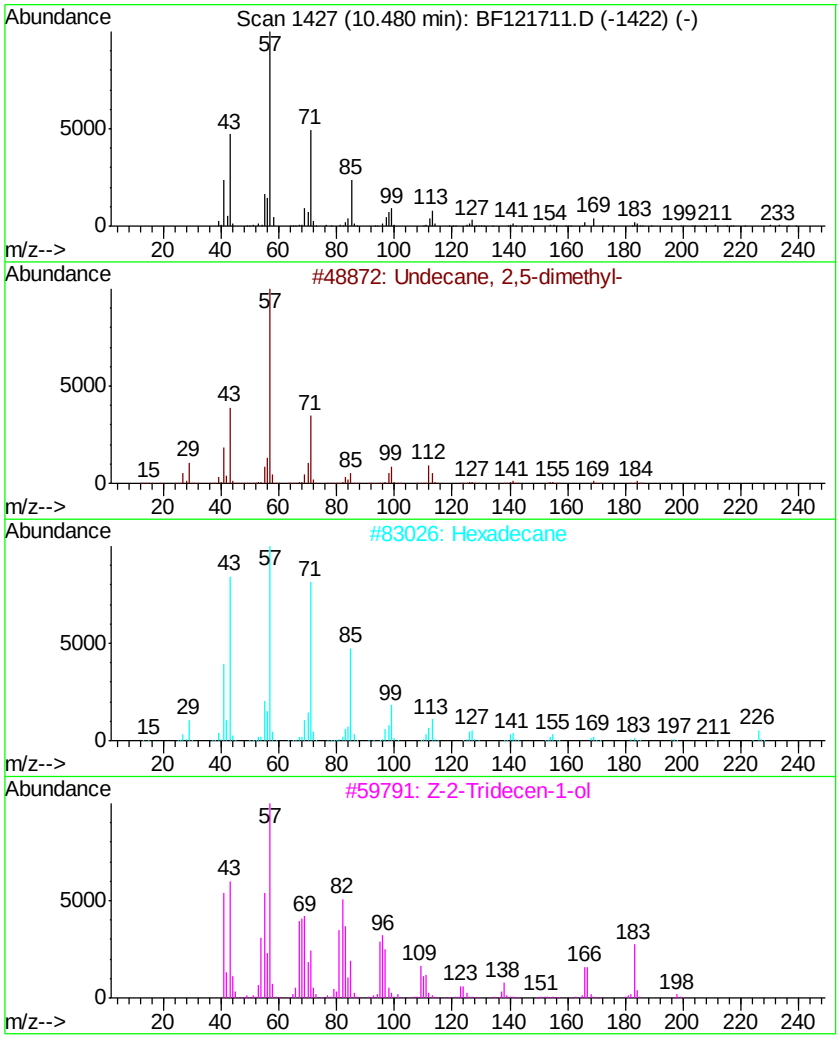
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

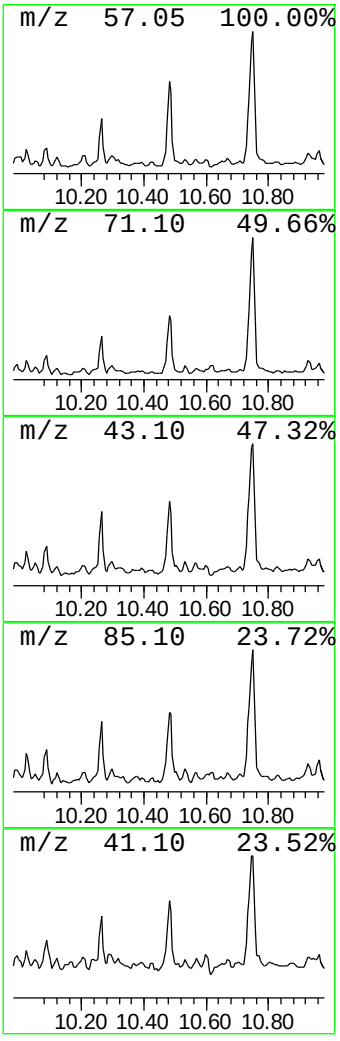
****

Peak Number 2 Undecane, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	7.36 ng	573879	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	76
2	Hexadecane	226	C16H34	000544-76-3	72
3	Z-2-Tridecen-1-ol	198	C13H26O	1000130-75-8	70
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
5	Tetracosane	338	C24H50	000646-31-1	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121711.D
Acq On : 28 Sep 2020 14:36
Operator : JU/CG
Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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

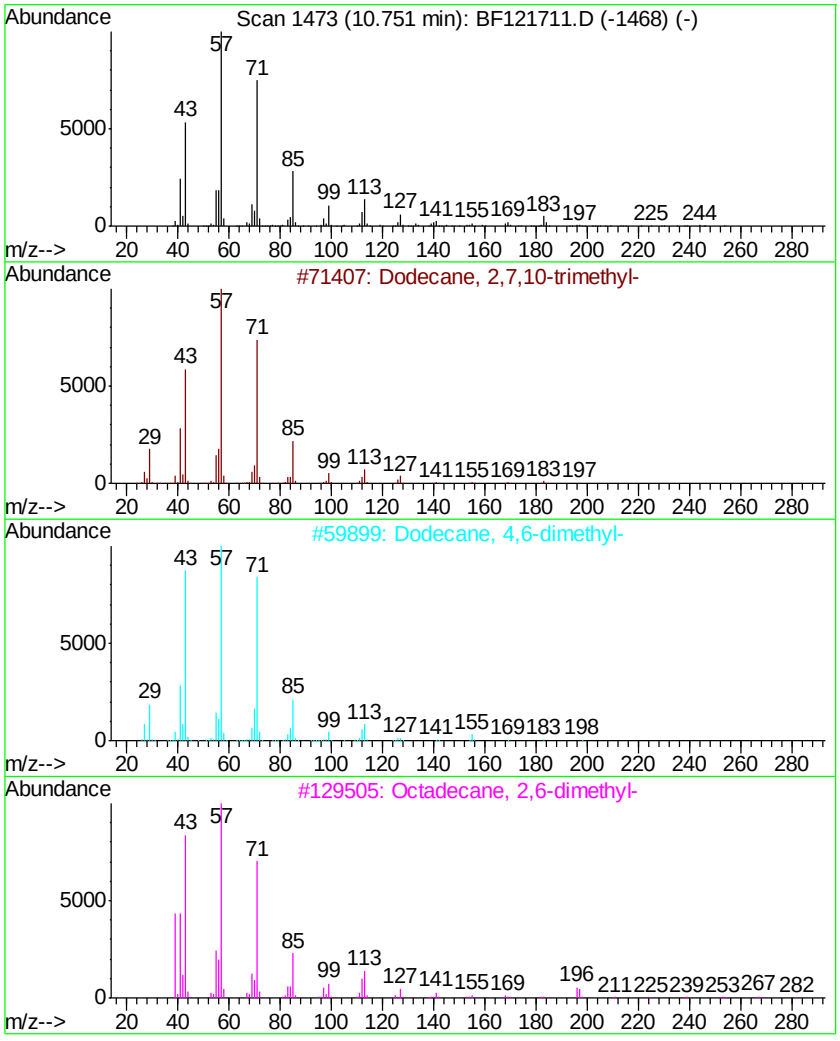
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

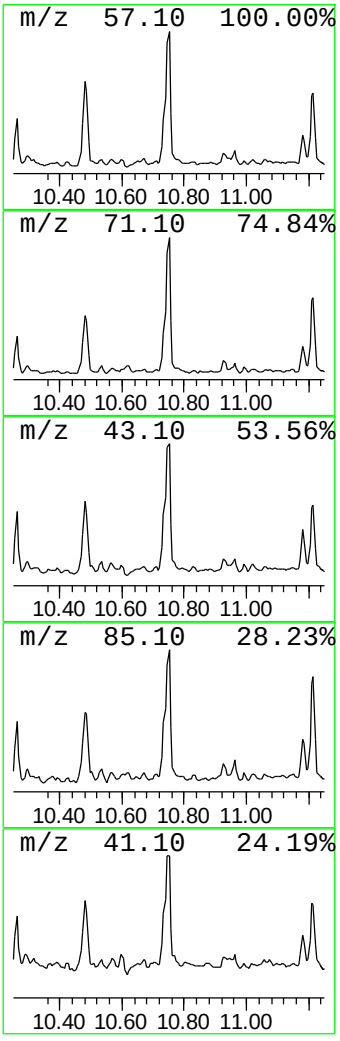
****

Peak Number 3 Dodecane, 2,7,10-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	14.82 ng	1120310	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	87
3	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	86
4	Tridecane	184	C13H28	000629-50-5	80
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121711.D
Acq On : 28 Sep 2020 14:36
Operator : JU/CG
Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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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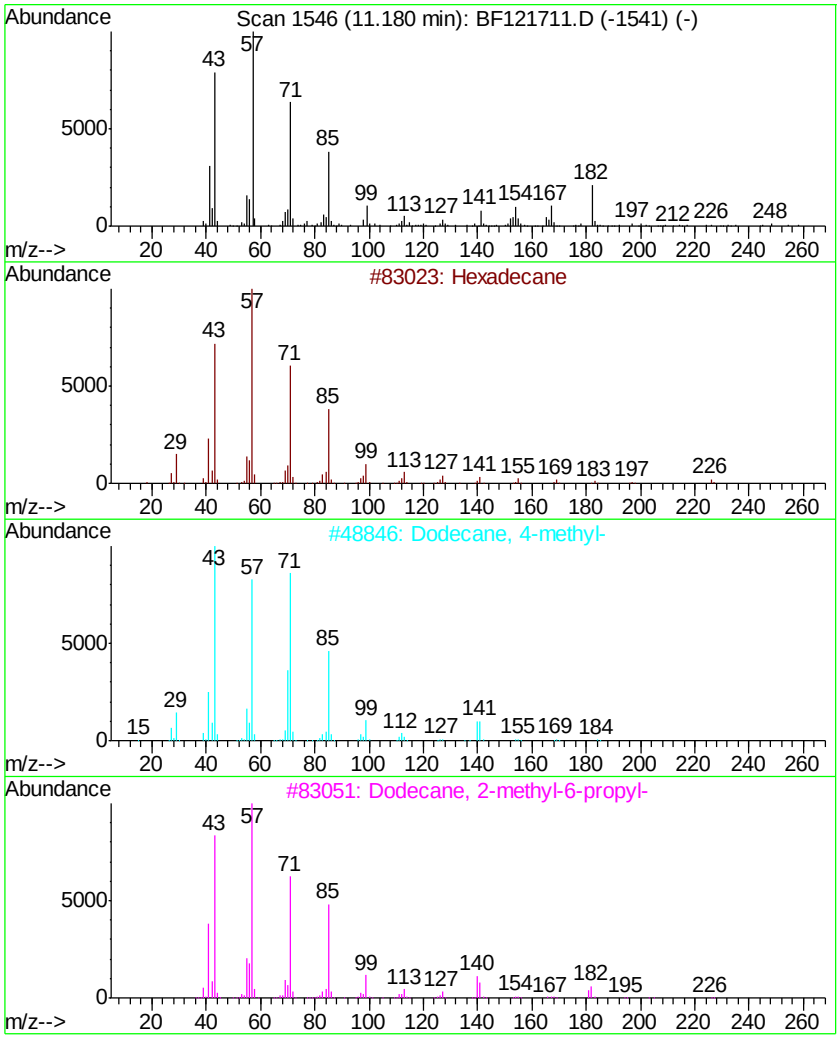
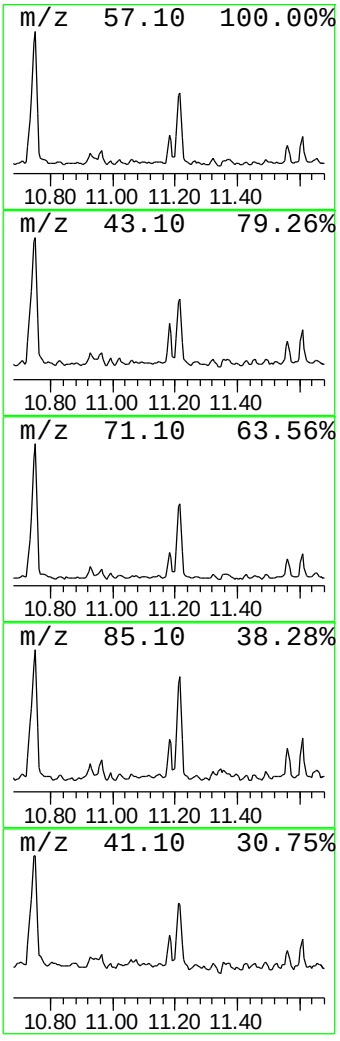
Peak Number 4 Hexadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	4.67 ng	353089	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	64
2	Dodecane, 4-methyl-	184	C13H28	006117-97-1	60
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	58
4	Decane, 5-propyl-	184	C13H28	017312-62-8	58
5	Pentadecane	212	C15H32	000629-62-9	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121711.D
Acq On : 28 Sep 2020 14:36
Operator : JU/CG
Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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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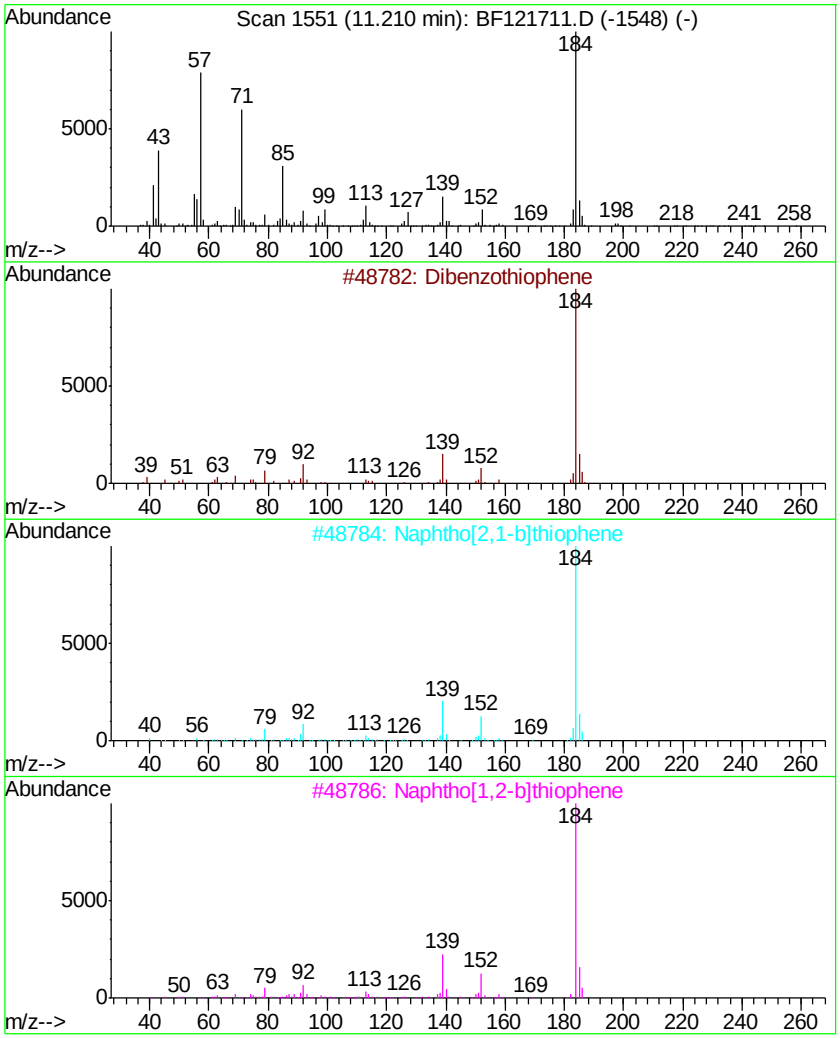
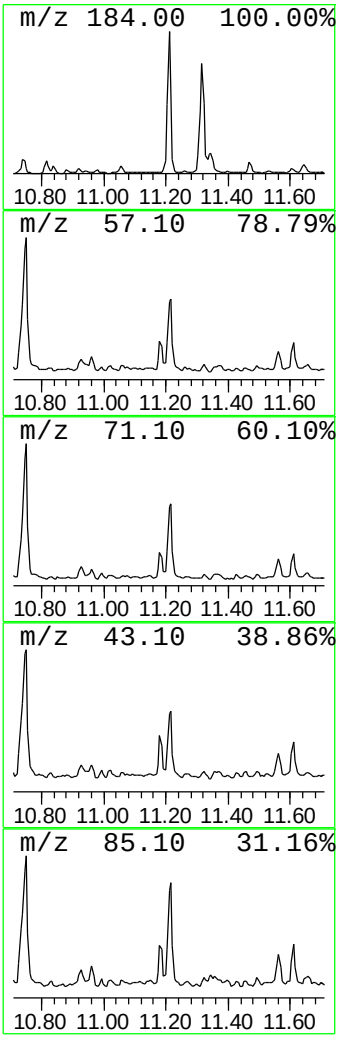
Peak Number 5 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	10.90 ng	824110	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	90
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	64
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	55





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Acq On : 28 Sep 2020 14:36
Operator : JU/CG
Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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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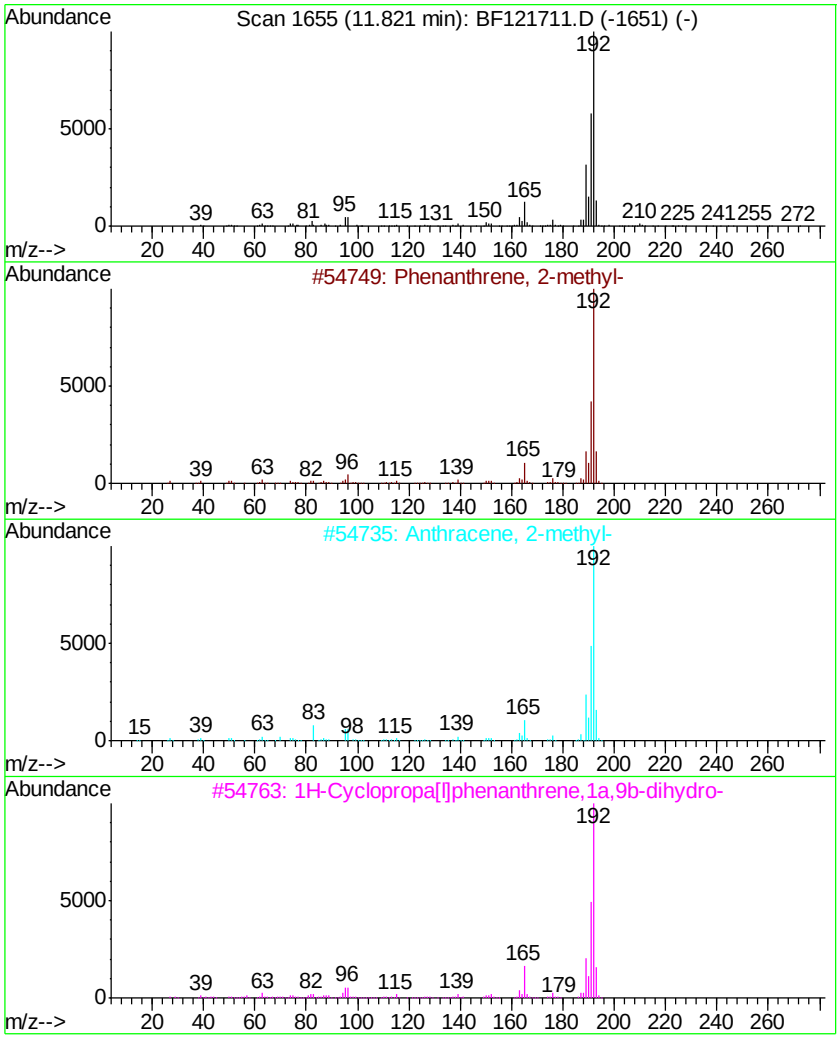
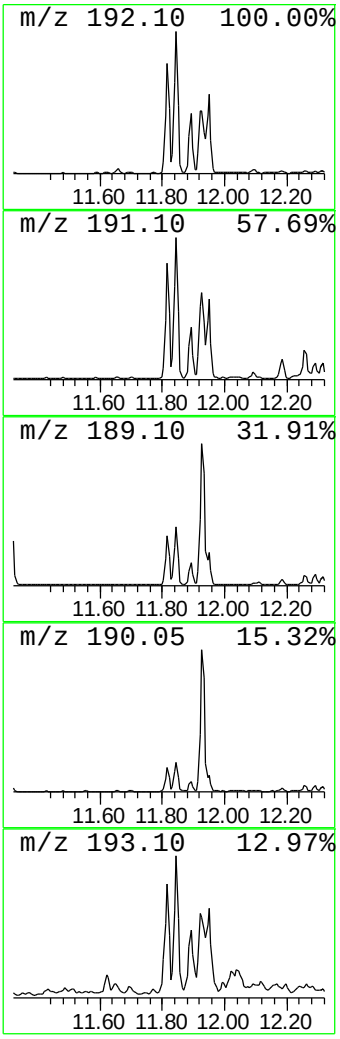
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	7.68 ng	580530	Phenanthrene-d10	11.32

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	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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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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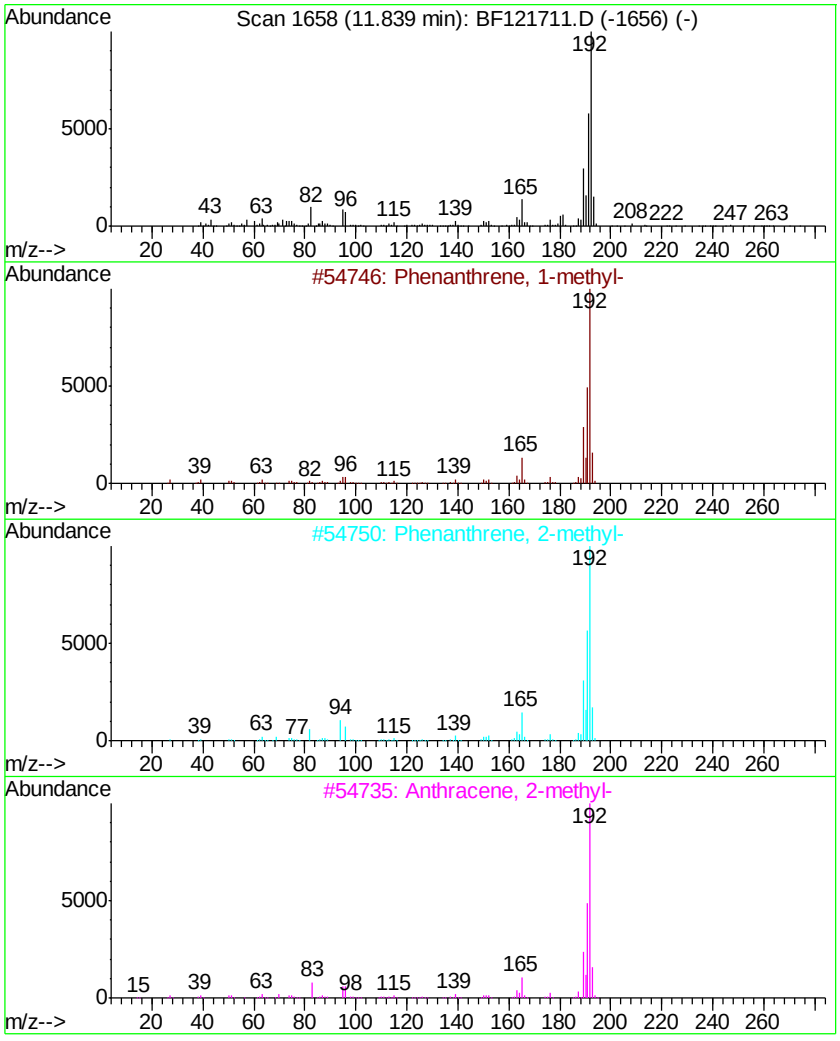
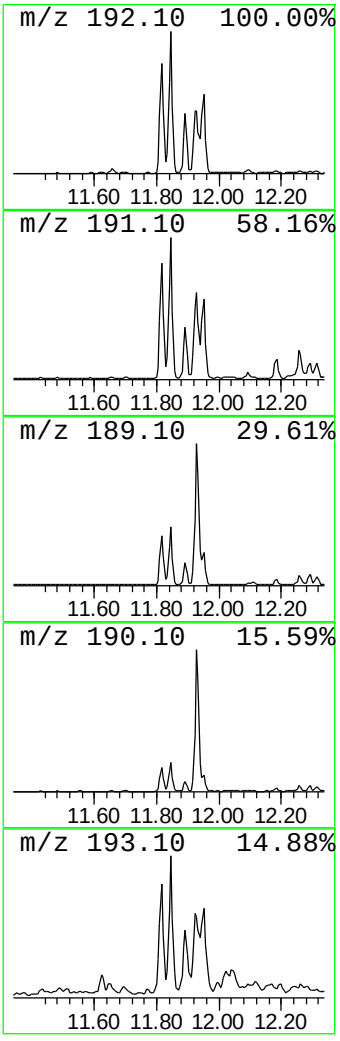
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	11.06 ng	836271	Phenanthrene-d10	11.32

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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Library Search Compound Report

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Acq On : 28 Sep 2020 14:36
Operator : JU/CG
Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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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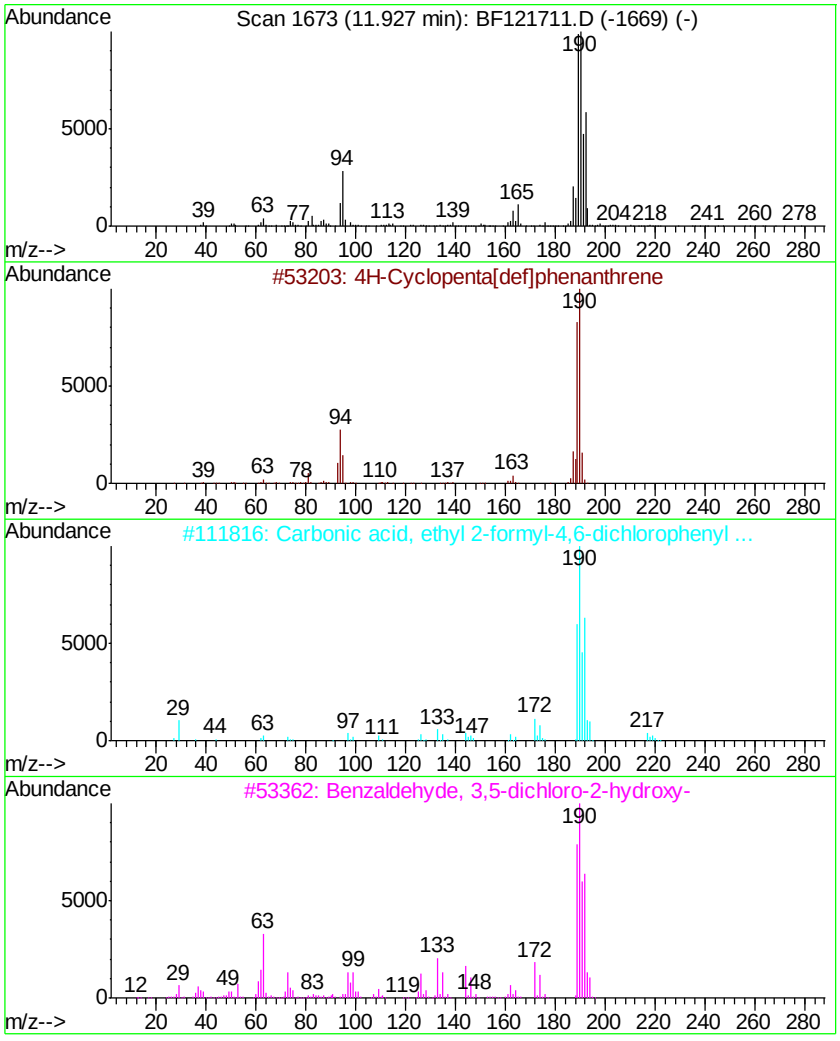
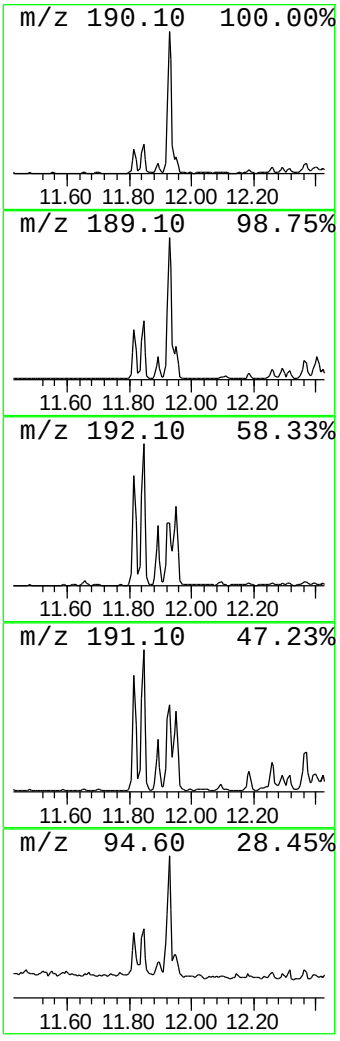
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	13.51 ng	1021560	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	38
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	38
4	Methyl diselenide	190	C2H6Se2	007101-31-7	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





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Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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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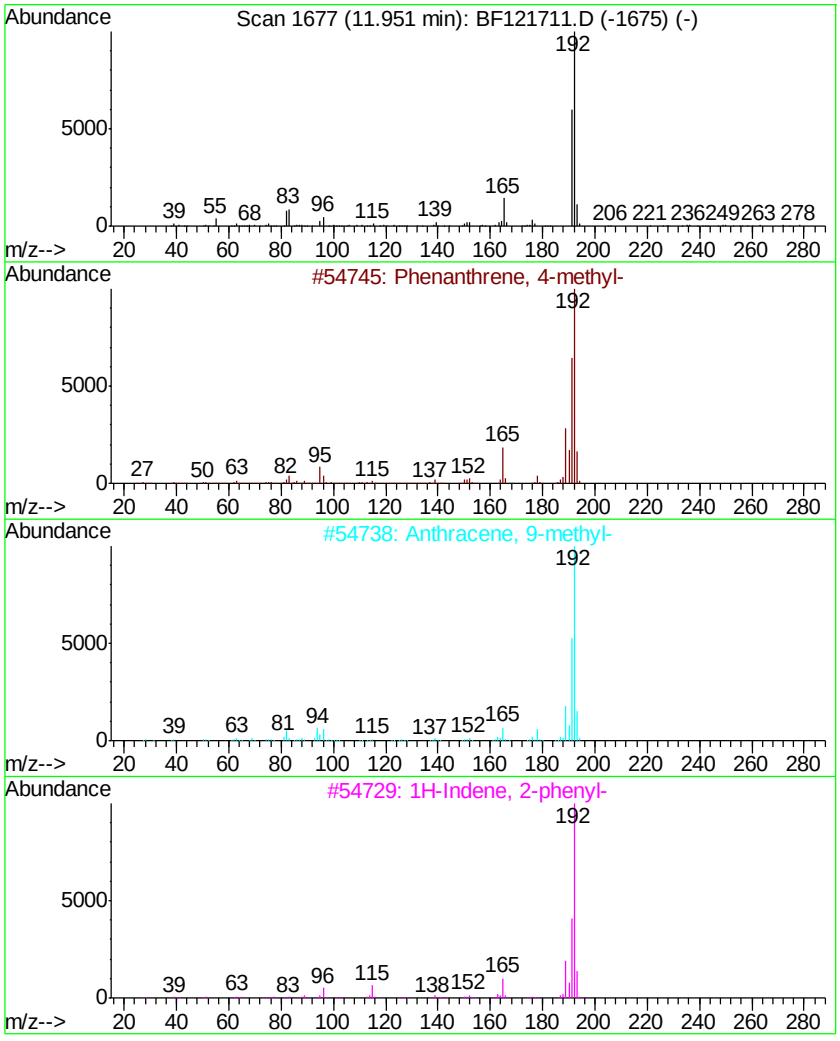
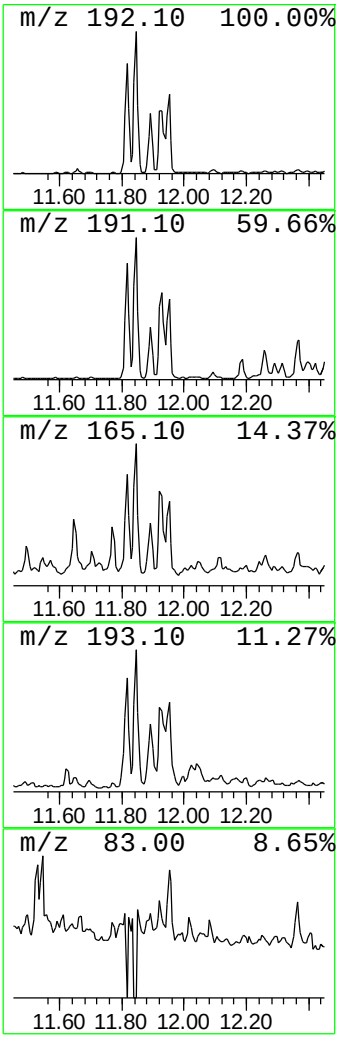
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	5.41 ng	408715	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	87





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Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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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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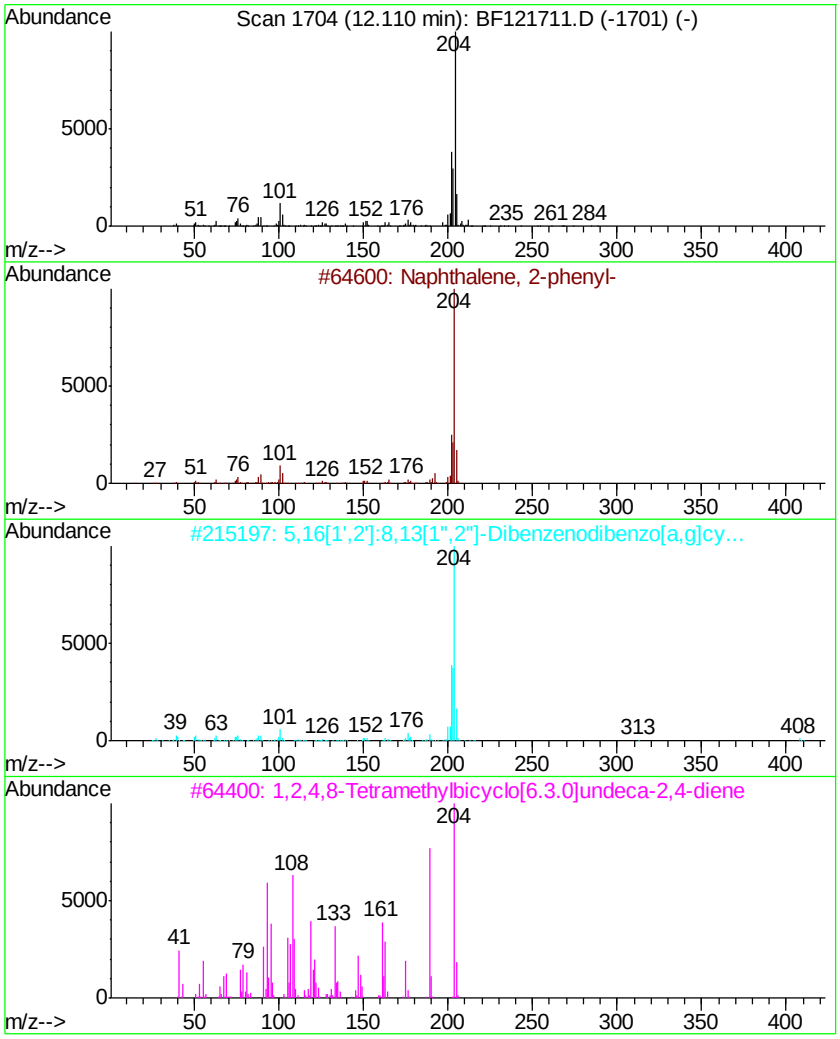
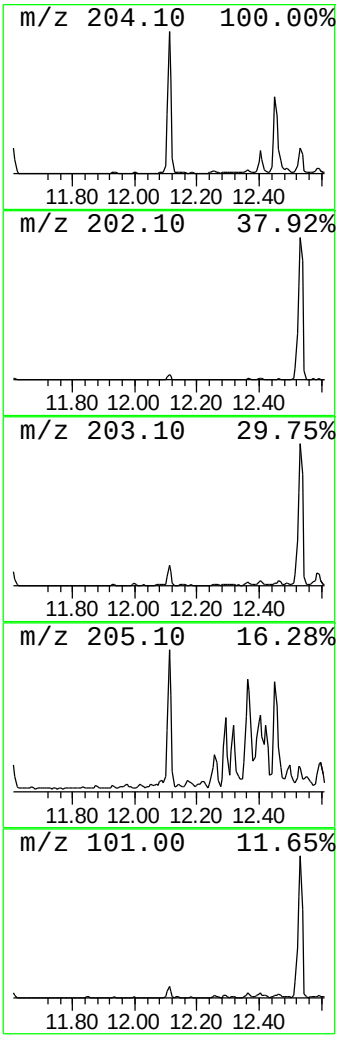
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	4.79 ng	362211	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	86
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81





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Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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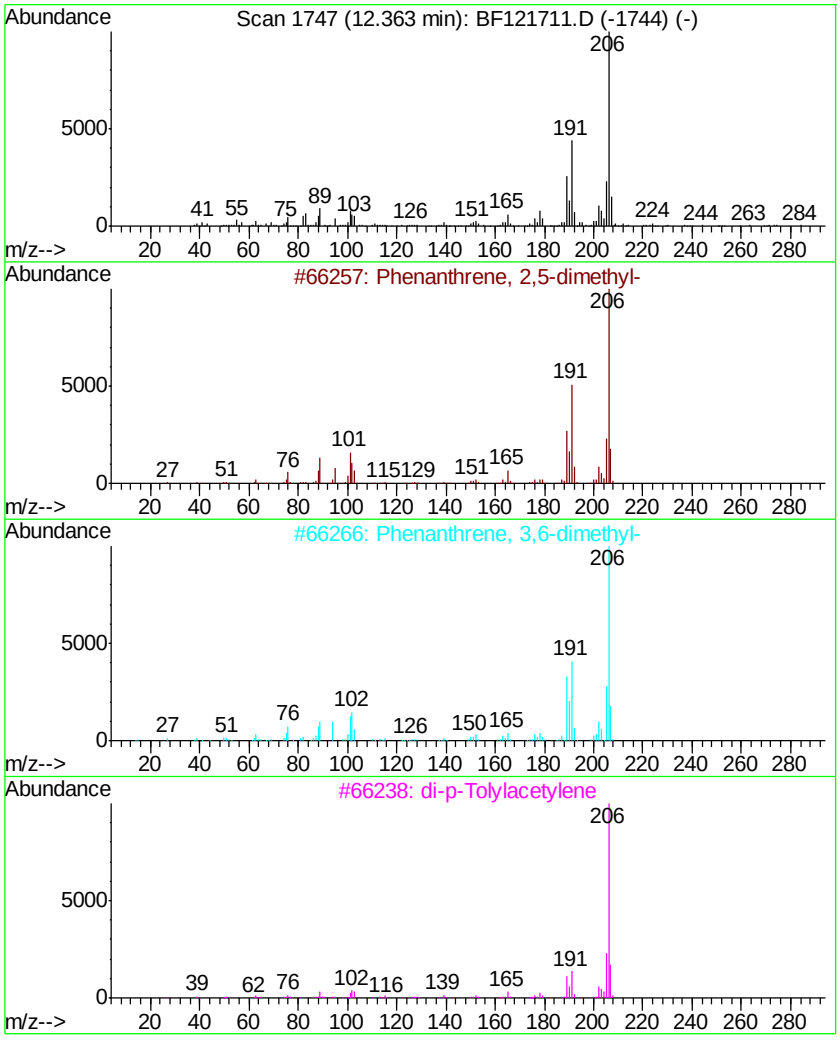
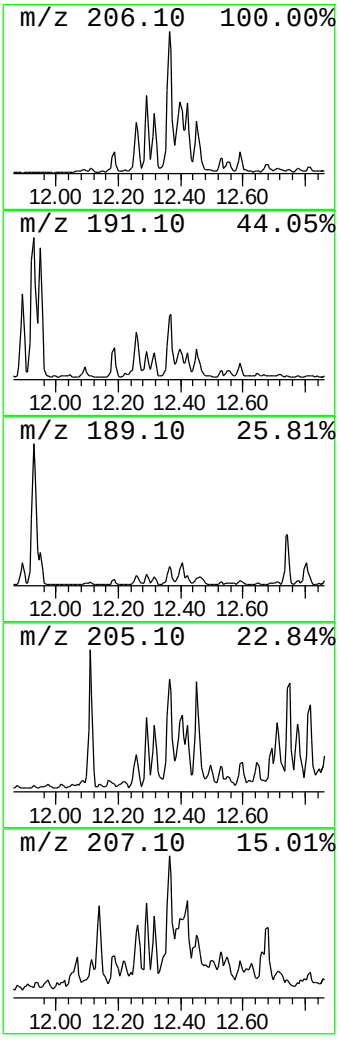
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	5.69 ng	430194	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Operator : JU/CG
Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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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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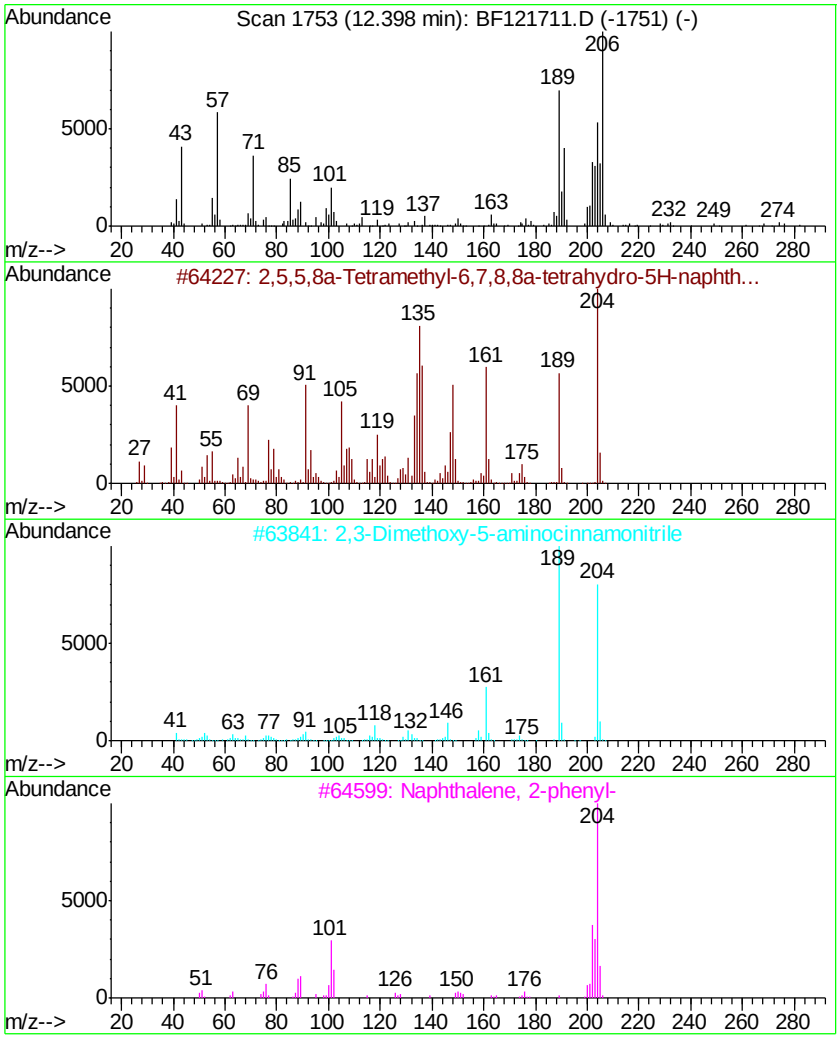
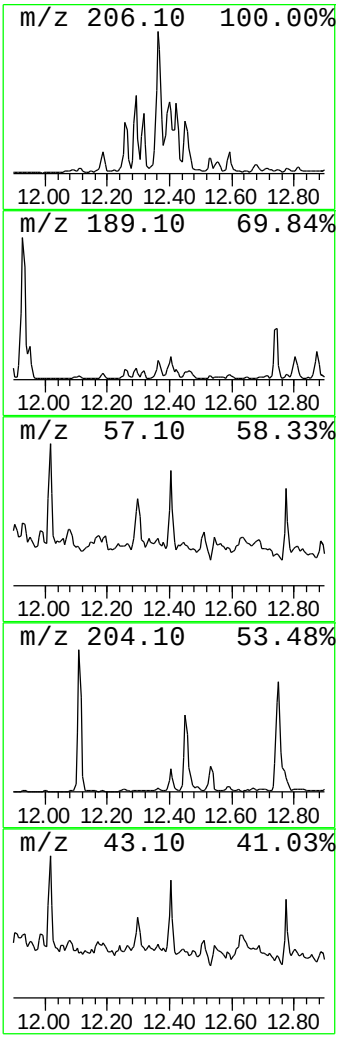
Peak Number 12 unknown12.40 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	5.45 ng	411678	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	27
2	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	27
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	18
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	15





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Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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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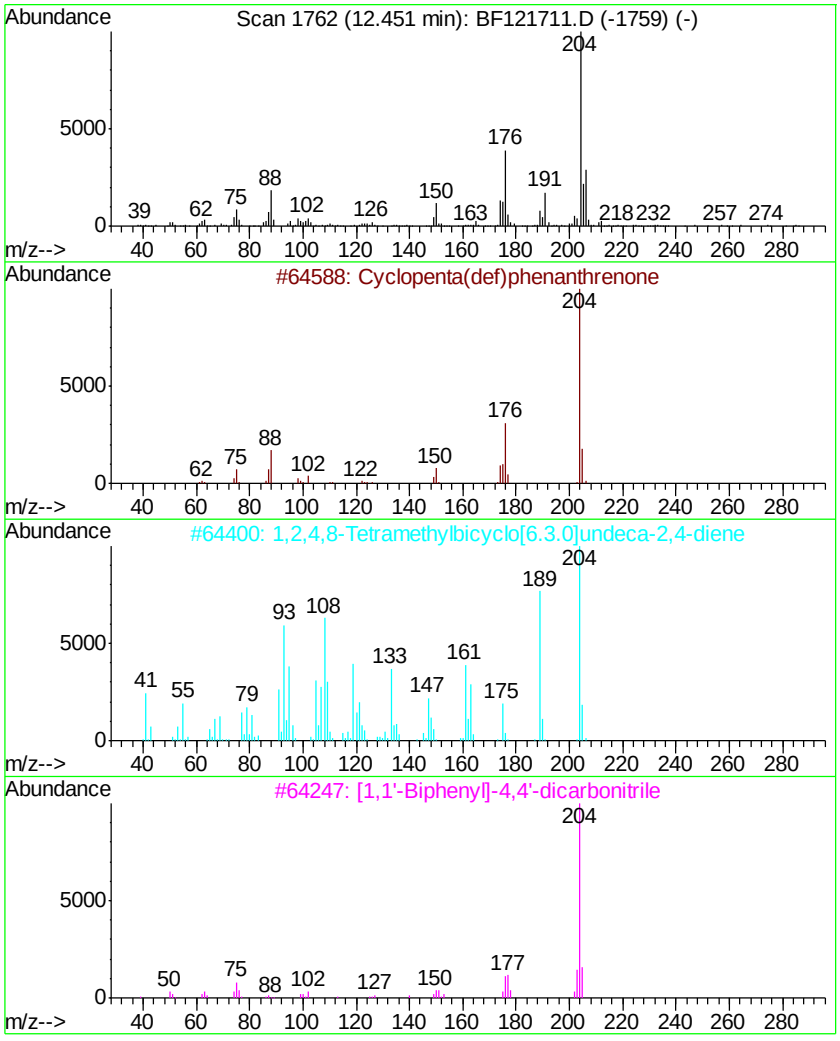
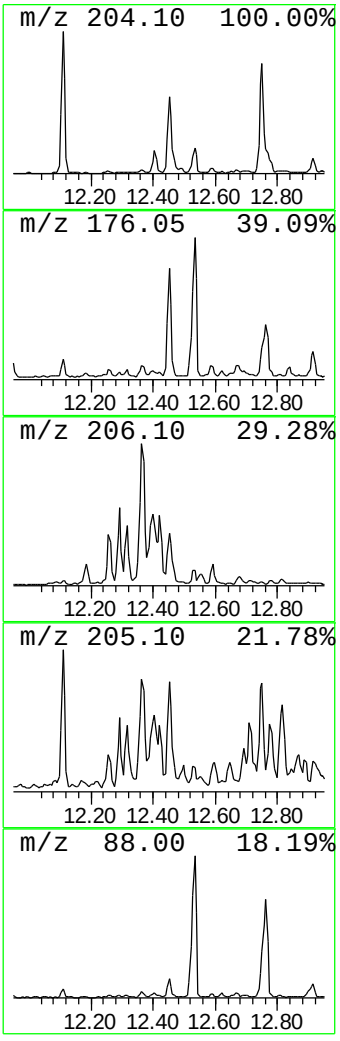
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	4.98 ng	376272	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
4	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	43
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43





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Operator : JU/CG
Sample : L4154-03
Misc :
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Instrument : BNA_F
ClientSampleId : B-1(13-15)

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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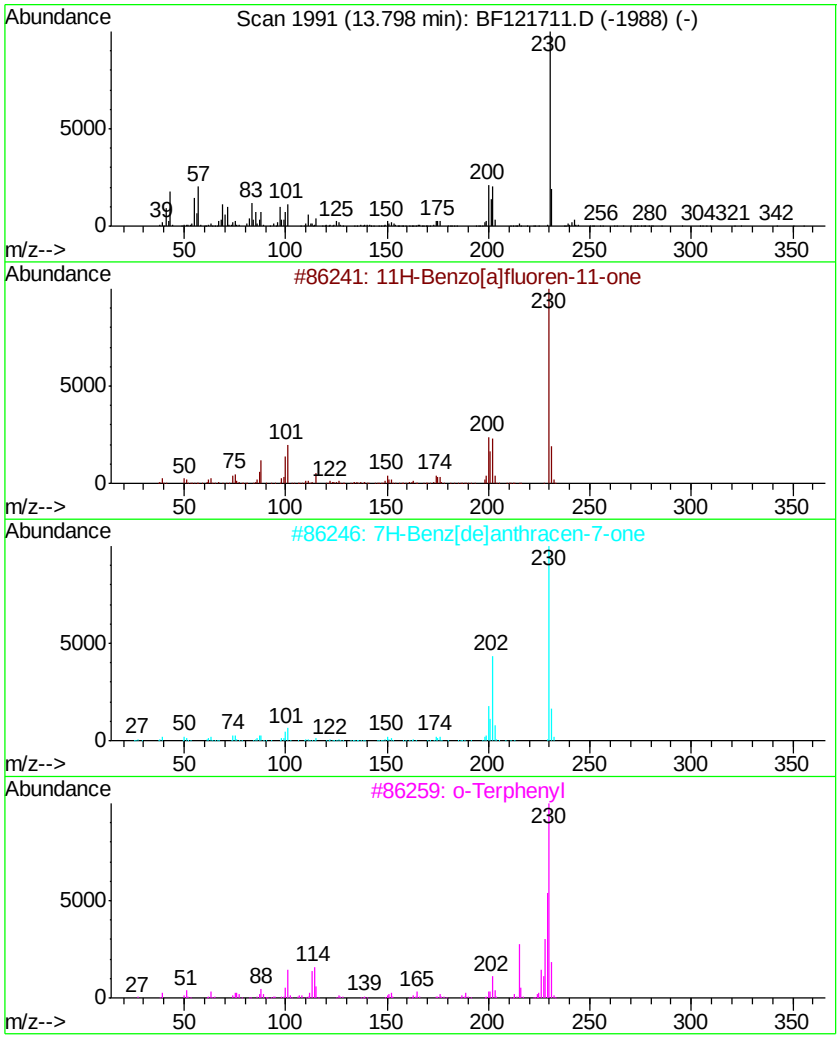
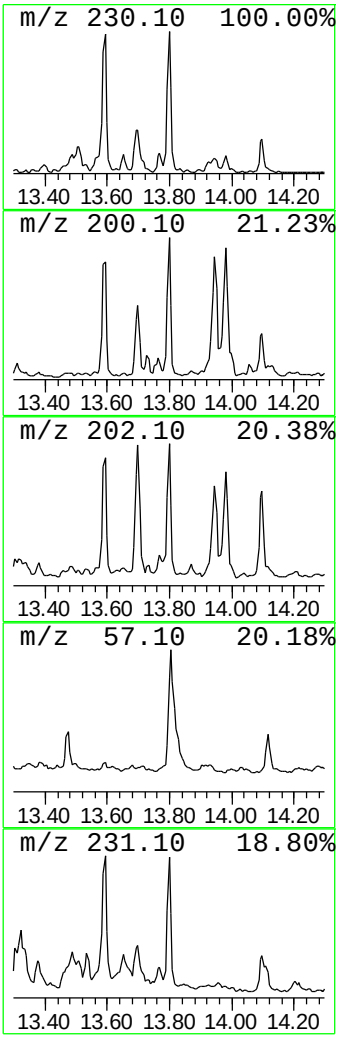
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	4.57 ng	843724	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	o-Terphenyl	230	C18H14	000084-15-1	52
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	50





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Misc :
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Instrument : BNA_F
ClientSampleId : B-1(13-15)

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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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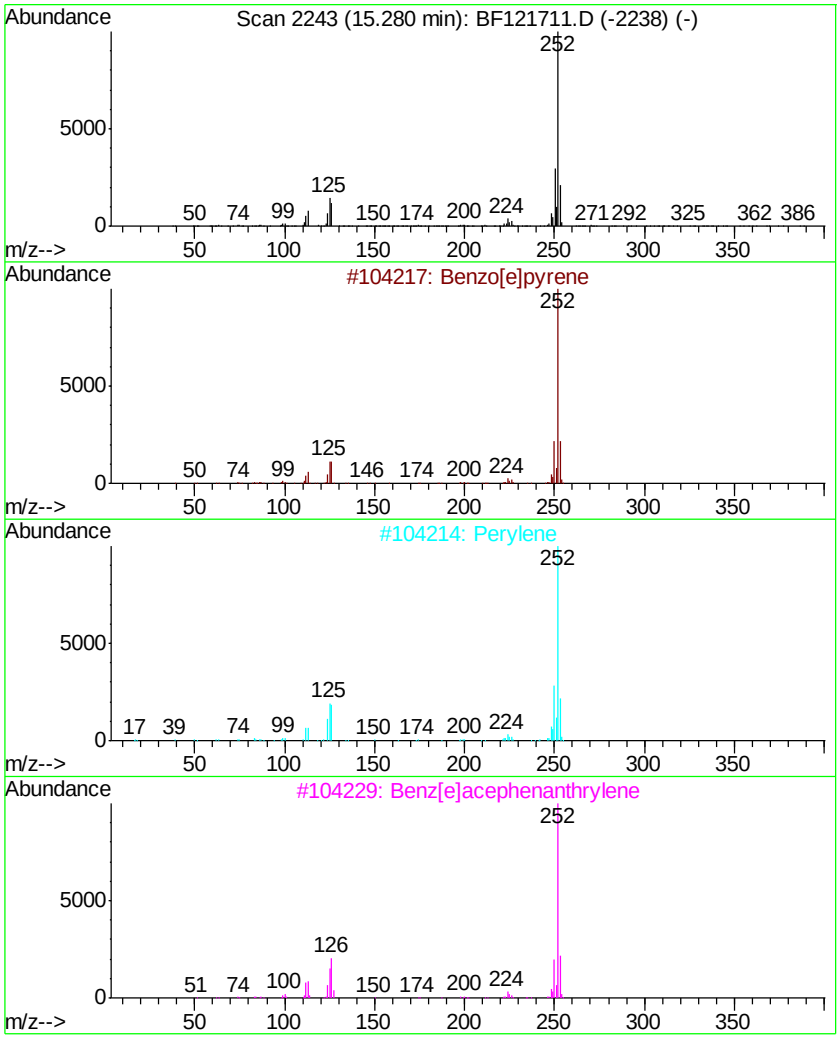
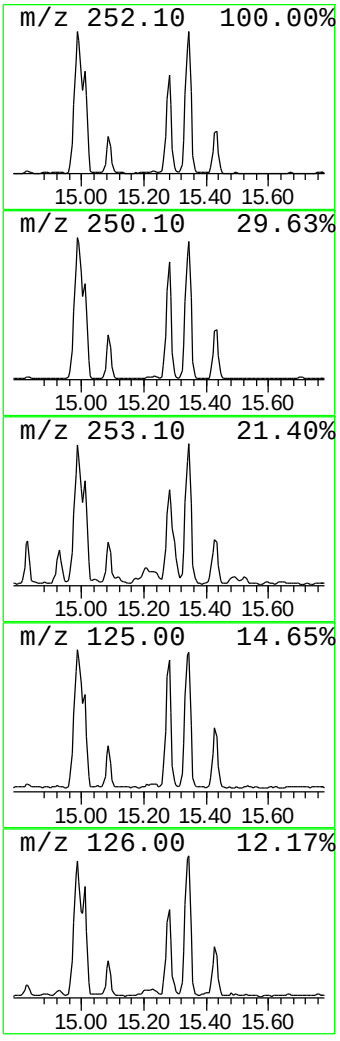
Peak Number 16 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	25.59 ng	1326450	Perylene-d12	15.40

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	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId : B-1(13-15)

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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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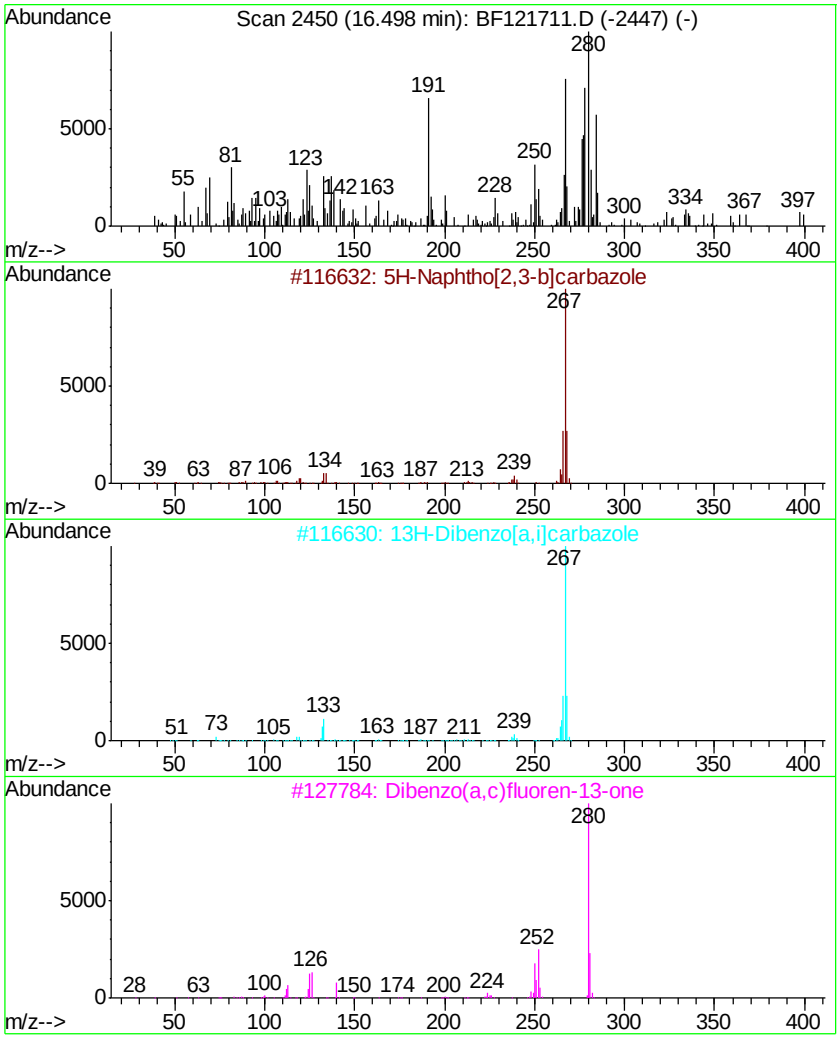
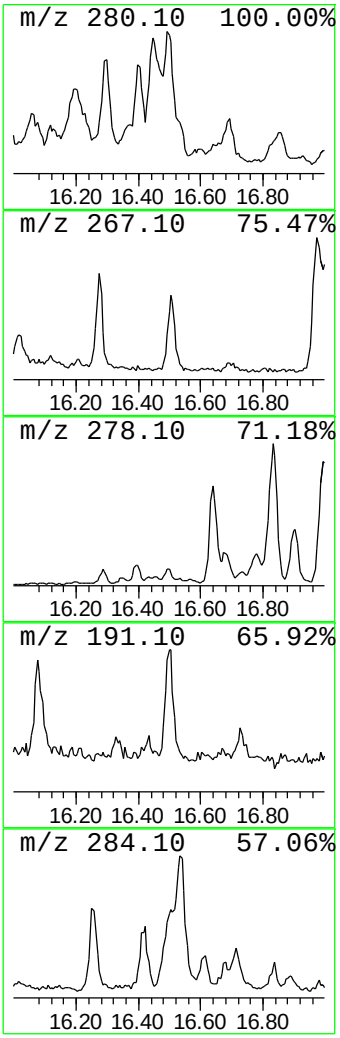
Peak Number 17 unknown16.50 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	5.43 ng	281370	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Naphtho[2,3-b]carbazole	267	C20H13N	000248-96-4	35
2	13H-Dibenzo[a,i]carbazole	267	C20H13N	000239-64-5	35
3	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	25
4	3,4-Dihydroisoquinoline, 1-[3-me...	281	C18H19NO2	1000126-16-1	20
5	Dibenz[a,j]anthracene-5,6-quinone	308	C22H12O2	052755-66-5	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
Data File : BF121711.D
Acq On : 28 Sep 2020 14:36
Operator : JU/CG
Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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

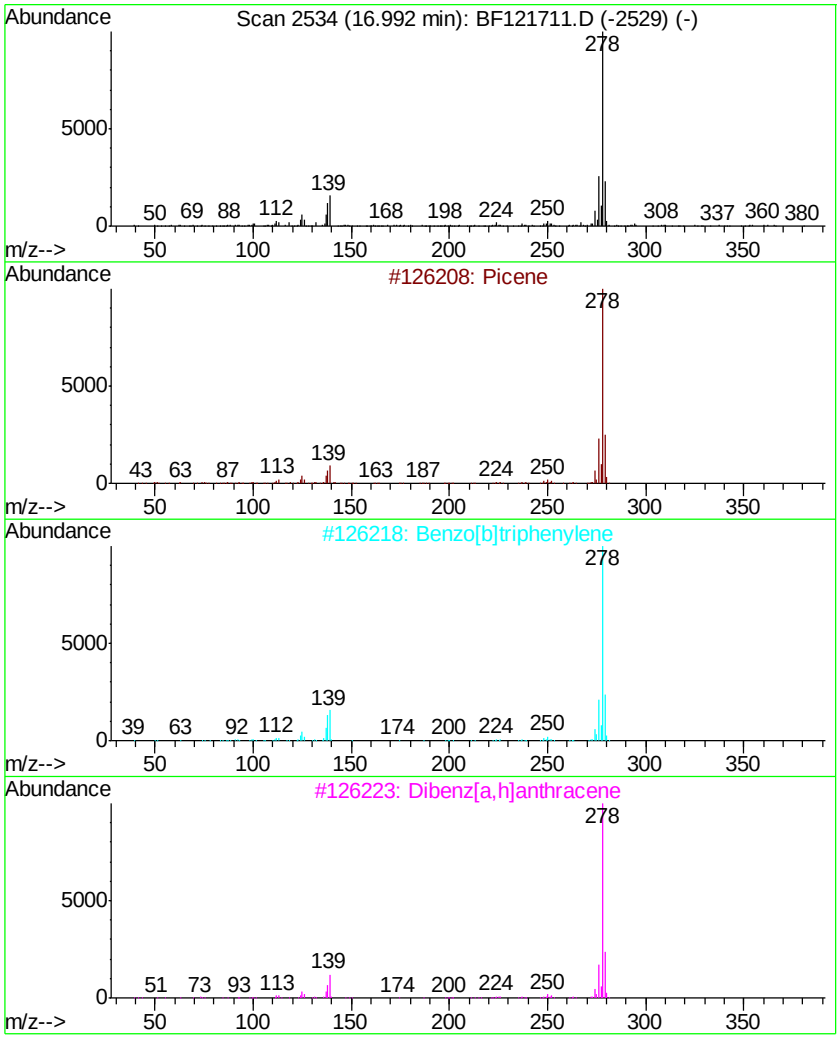
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

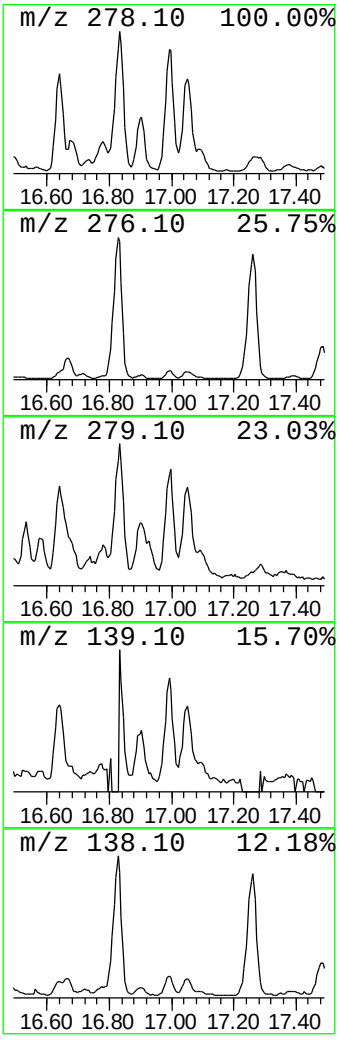
****

Peak Number 18 Picene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	6.22 ng	322390	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	99
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
4	Benzo[b]chrysene	278	C22H14	000214-17-5	94
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092820\
Data File : BF121711.D
Acq On : 28 Sep 2020 14:36
Operator : JU/CG
Sample : L4154-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(13-15)

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
Tetradecane	9.23	7.8	ng	605295	3	9.83	1559320	20.0
Undecane, 2,5-dim...	10.48	7.4	ng	573879	3	9.83	1559320	20.0
Dodecane, 2,7,10-...	10.75	14.8	ng	1120310	4	11.32	1511840	20.0
Hexadecane	11.18	4.7	ng	353089	4	11.32	1511840	20.0
Dibenzothiophene	11.21	10.9	ng	824110	4	11.32	1511840	20.0
Phenanthrene, 2-m...	11.82	7.7	ng	580530	4	11.32	1511840	20.0
Phenanthrene, 1-m...	11.84	11.1	ng	836271	4	11.32	1511840	20.0
4H-Cyclopenta[def...	11.93	13.5	ng	1021560	4	11.32	1511840	20.0
Phenanthrene, 4-m...	11.95	5.4	ng	408715	4	11.32	1511840	20.0
Naphthalene, 2-ph...	12.11	4.8	ng	362211	4	11.32	1511840	20.0
Phenanthrene, 2,5...	12.36	5.7	ng	430194	4	11.32	1511840	20.0
unknown12.40	12.40	5.5	ng	411678	4	11.32	1511840	20.0
Cyclopenta(def)ph...	12.45	5.0	ng	376272	4	11.32	1511840	20.0
11H-Benzo[a]fluor...	13.80	4.6	ng	843724	5	13.96	3691610	20.0
Benzo[e]pyrene	15.28	25.6	ng	1326450	6	15.40	1036680	20.0
unknown16.50	16.50	5.4	ng	281370	6	15.40	1036680	20.0
Picene	16.99	6.2	ng	322390	6	15.40	1036680	20.0