LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121778.D
Acq On : 1 Oct 2020 20:49
Operator : JU/CG
Sample : L4193-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(13-14)

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	4.969	488	490	499	rBV	22511	28585	1.30%	0.091%
2	5.387	558	561	577	rBV	1278433	1270812	57.64%	4.031%
3	6.410	731	735	751	rBV	1430814	1273881	57.78%	4.041%
4	6.775	793	797	803	rBV	879540	801700	36.36%	2.543%
5	7.334	888	892	903	rBV	931416	809656	36.72%	2.568%
6	8.057	1009	1015	1018	rBV	1152016	1000024	45.36%	3.172%
7	8.116	1023	1025	1028	rVB	29059	25106	1.14%	0.080%
8	8.481	1083	1087	1091	rBV	64019	65853	2.99%	0.209%
9	8.651	1112	1116	1120	rBV	70646	59815	2.71%	0.190%
10	9.081	1186	1189	1191	rVB	72527	59191	2.68%	0.188%
11	9.133	1194	1198	1201	rBV	1537882	1419860	64.40%	4.504%
12	9.210	1207	1211	1216	rBV	155512	160546	7.28%	0.509%
13	9.528	1261	1265	1268	rBV3	181425	267297	12.12%	0.848%
14	9.675	1287	1290	1293	rBV	90621	98865	4.48%	0.314%
15	9.722	1295	1298	1299	rVV	73425	67224	3.05%	0.213%
16	9.739	1299	1301	1306	rVB	193235	174391	7.91%	0.553%
17	9.810	1309	1313	1316	rVV	1209810	1007384	45.69%	3.195%
18	9.845	1316	1319	1323	rVB2	64787	65590	2.97%	0.208%
19	9.969	1336	1340	1344	rBV4	30887	41097	1.86%	0.130%
20	10.010	1344	1347	1350	rVV3	42904	59730	2.71%	0.189%
21	10.063	1352	1356	1360	rVB3	45713	52831	2.40%	0.168%
22	10.128	1364	1367	1369	rBV2	23597	25914	1.18%	0.082%
23	10.181	1373	1376	1379	rVB2	24236	25634	1.16%	0.081%
24	10.216	1379	1382	1384	rBV2	48937	46682	2.12%	0.148%
25	10.239	1384	1386	1389	rVB	231651	172209	7.81%	0.546%
26	10.357	1402	1406	1411	rVB3	63316	72553	3.29%	0.230%
27	10.463	1419	1424	1427	rBV	101744	118691	5.38%	0.376%
28	10.516	1430	1433	1436	rVB	41425	37218	1.69%	0.118%
29	10.598	1441	1447	1453	rBV	825696	758401	34.40%	2.406%
30	10.716	1463	1467	1472	rBV2	237343	361899	16.41%	1.148%
31	10.904	1495	1499	1502	rBV2	45174	53091	2.41%	0.168%
32	10.933	1502	1504	1507	rVB2	30025	32750	1.49%	0.104%
33	11.033	1516	1521	1523	rBV3	35019	48453	2.20%	0.154%
34	11.051	1523	1524	1527	rVV	42208	39277	1.78%	0.125%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121778.D
Acq On : 1 Oct 2020 20:49
Operator : JU/CG
Sample : L4193-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(13-14)

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	11.098	1530	1532	1536	rVV2	56086	56519	2.56%	0.179%
36	11.163	1536	1543	1545	rVV2	187410	203136	9.21%	0.644%
37	11.192	1545	1548	1555	rVB	109147	117712	5.34%	0.373%
38	11.292	1562	1565	1567	rBV	980807	888058	40.28%	2.817%
39	11.316	1567	1569	1573	rVV	929995	827081	37.51%	2.623%
40	11.369	1575	1578	1581	rVV	303162	246621	11.19%	0.782%
41	11.404	1581	1584	1587	rVV2	34441	36224	1.64%	0.115%
42	11.527	1602	1605	1607	rBV	51708	45900	2.08%	0.146%
43	11.586	1612	1615	1619	rVV	191388	159401	7.23%	0.506%
44	11.627	1619	1622	1627	rVB3	41626	48796	2.21%	0.155%
45	11.798	1647	1651	1653	rBV	167084	155956	7.07%	0.495%
46	11.822	1653	1655	1659	rVV	246131	210173	9.53%	0.667%
47	11.869	1660	1663	1666	rVV	103361	89260	4.05%	0.283%
48	11.904	1666	1669	1672	rVV	282585	323626	14.68%	1.026%
49	11.927	1672	1673	1678	rVB	155058	117751	5.34%	0.373%
50	11.992	1678	1684	1688	rBV	103822	117520	5.33%	0.373%
51	12.092	1698	1701	1703	rVB	135795	110673	5.02%	0.351%
52	12.116	1703	1705	1709	rVB	72469	68259	3.10%	0.217%
53	12.163	1711	1713	1720	rVB2	31664	29447	1.34%	0.093%
54	12.239	1724	1726	1729	rVB	63964	50497	2.29%	0.160%
55	12.274	1729	1732	1734	rBV	52395	48937	2.22%	0.155%
56	12.292	1734	1735	1738	rVB	47664	35017	1.59%	0.111%
57	12.345	1740	1744	1747	rBV	144870	173171	7.85%	0.549%
58	12.386	1747	1751	1753	rVV2	131311	151557	6.87%	0.481%
59	12.433	1756	1759	1764	rBV2	134740	150222	6.81%	0.476%
60	12.510	1768	1772	1775	rBV	2011025	1747660	79.27%	5.543%
61	12.569	1781	1782	1785	rVB2	45477	32894	1.49%	0.104%
62	12.598	1785	1787	1790	rVB	32148	30104	1.37%	0.095%
63	12.657	1790	1797	1800	rBV3	76907	132626	6.02%	0.421%
64	12.739	1804	1811	1816	rVV	1895774	2054749	93.19%	6.517%
65	12.786	1816	1819	1823	rVB2	88819	101595	4.61%	0.322%
66	12.874	1831	1834	1841	rVB	1334412	1361177	61.74%	4.317%
67	12.957	1843	1848	1851	rBV3	141057	220698	10.01%	0.700%
68	13.010	1855	1857	1859	rBV2	33758	34130	1.55%	0.108%
69	13.039	1859	1862	1863	rVV3	121317	115147	5.22%	0.365%
70	13.063	1863	1866	1869	rVB2	245480	253154	11.48%	0.803%
71	13.133	1869	1878	1880	rBV2	178327	274173	12.44%	0.870%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121778.D
Acq On : 1 Oct 2020 20:49
Operator : JU/CG
Sample : L4193-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(13-14)

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	13.169	1880	1884	1886	rVV2	218922	240047	10.89%	0.761%
73	13.192	1886	1888	1891	rVV	50130	50902	2.31%	0.161%
74	13.221	1891	1893	1896	rVV2	39015	38341	1.74%	0.122%
75	13.263	1896	1900	1902	rVV	115995	104847	4.76%	0.333%
76	13.292	1902	1905	1908	rBV	133986	126061	5.72%	0.400%
77	13.451	1929	1932	1934	rBV4	49965	55936	2.54%	0.177%
78	13.551	1946	1949	1950	rBV2	31249	34514	1.57%	0.109%
79	13.574	1950	1953	1957	rVB	189563	187962	8.53%	0.596%
80	13.680	1967	1971	1974	rBV	183982	214929	9.75%	0.682%
81	13.710	1974	1976	1978	rVV	175785	151184	6.86%	0.480%
82	13.733	1978	1980	1985	rVV2	155569	203354	9.22%	0.645%
83	13.780	1985	1988	1997	rVB2	205506	298402	13.53%	0.946%
84	13.933	2007	2014	2017	rBV2	1410432	2204796	100.00%	6.993%
85	13.963	2017	2019	2027	rVB	962880	823884	37.37%	2.613%
86	14.039	2030	2032	2034	rVB	148801	107547	4.88%	0.341%
87	14.286	2071	2074	2075	rBV	58179	53260	2.42%	0.169%
88	14.321	2077	2080	2083	rVB	208479	191271	8.68%	0.607%
89	14.351	2083	2085	2089	rVB	107162	99679	4.52%	0.316%
90	14.404	2091	2094	2098	rVB2	76743	115668	5.25%	0.367%
91	14.445	2098	2101	2103	rBV	116551	106206	4.82%	0.337%
92	14.627	2130	2132	2134	rBV2	60078	44201	2.00%	0.140%
93	14.963	2185	2189	2192	rBV	818682	1166342	52.90%	3.699%
94	15.068	2204	2207	2210	rVB	133148	132492	6.01%	0.420%
95	15.257	2235	2239	2244	rVB	491412	609856	27.66%	1.934%
96	15.315	2245	2249	2254	rBV	662653	782480	35.49%	2.482%
97	15.380	2255	2260	2263	rBV	639159	869855	39.45%	2.759%
98	15.404	2263	2264	2271	rVB2	212014	226518	10.27%	0.718%
99	16.792	2495	2500	2508	rVB2	261975	506777	22.99%	1.607%
100	17.221	2568	2573	2583	rVB	184334	358289	16.25%	1.136%

Sum of corrected areas: 31527431

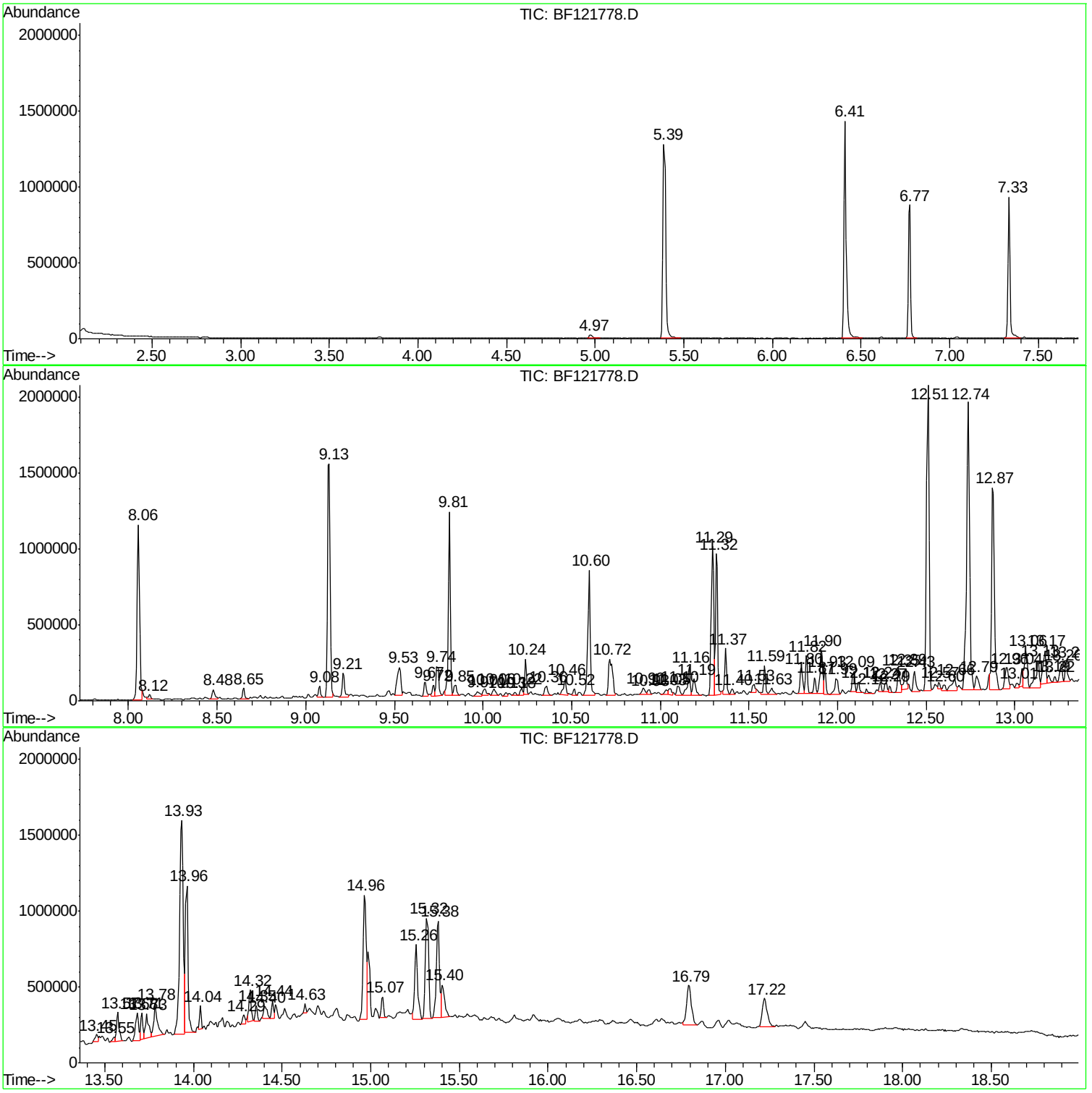
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121778.D
Acq On : 1 Oct 2020 20:49
Operator : JU/CG
Sample : L4193-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(13-14)

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\BF100120\
Data File : BF121778.D
Acq On : 1 Oct 2020 20:49
Operator : JU/CG
Sample : L4193-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(13-14)

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

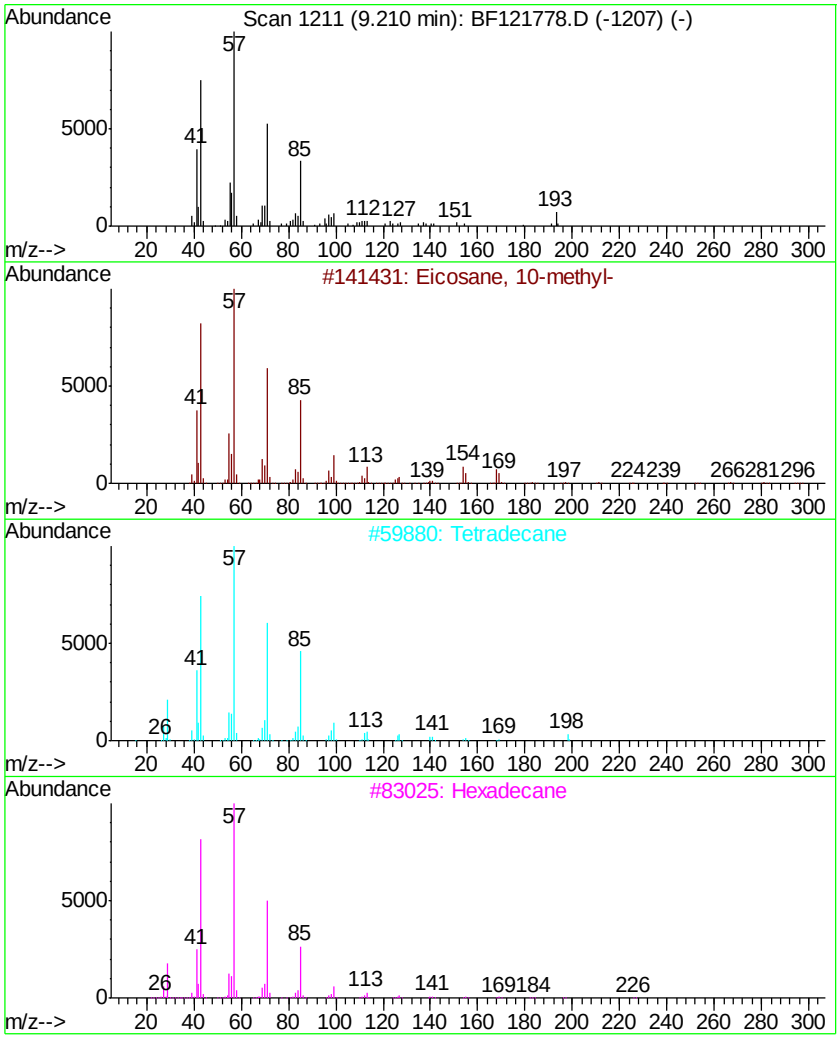
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

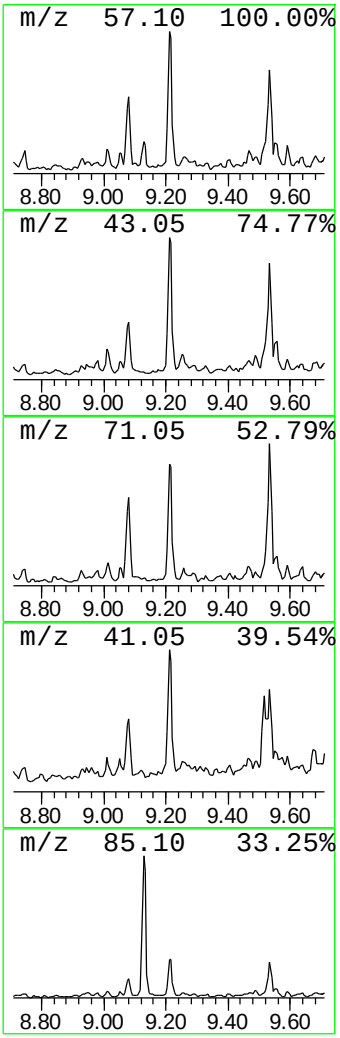
****

Peak Number 1 Eicosane, 10-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	3.19 ng	160546	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	80
2	Tetradecane	198	C14H30	000629-59-4	80
3	Hexadecane	226	C16H34	000544-76-3	72
4	Tridecane	184	C13H28	000629-50-5	72
5	Decane, 1-bromo-2-methyl-	234	C11H23Br	127839-47-8	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121778.D
Acq On : 1 Oct 2020 20:49
Operator : JU/CG
Sample : L4193-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(13-14)

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

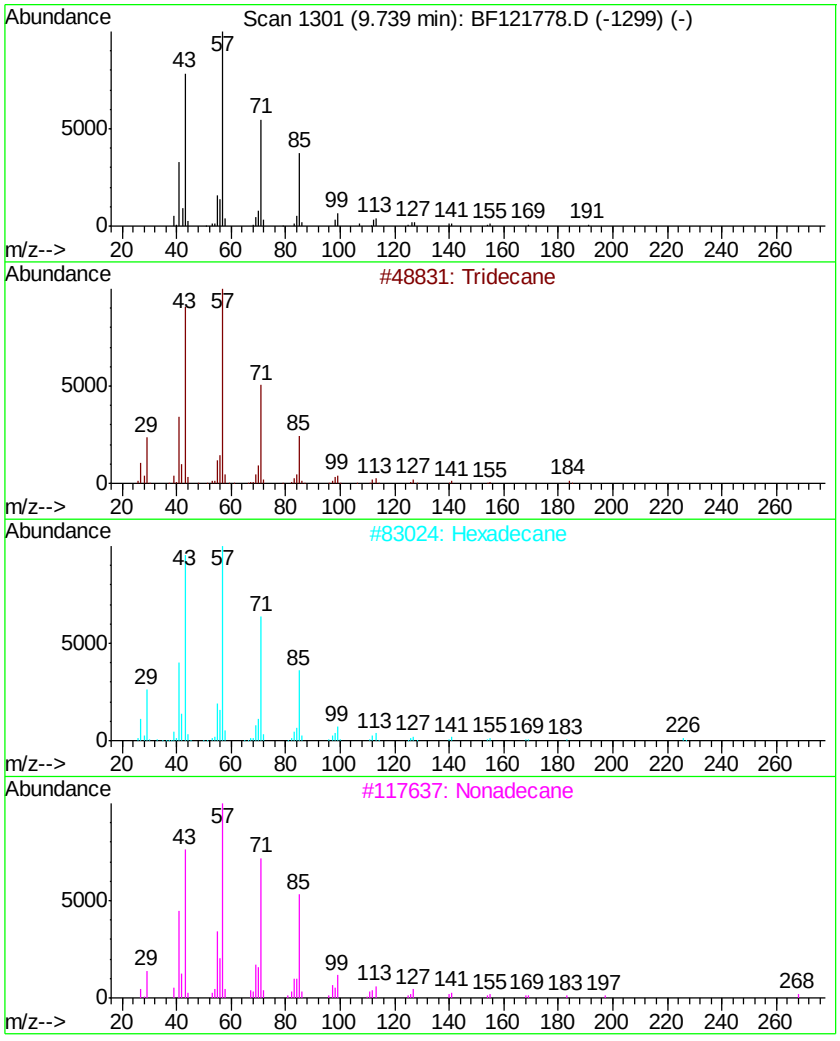
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

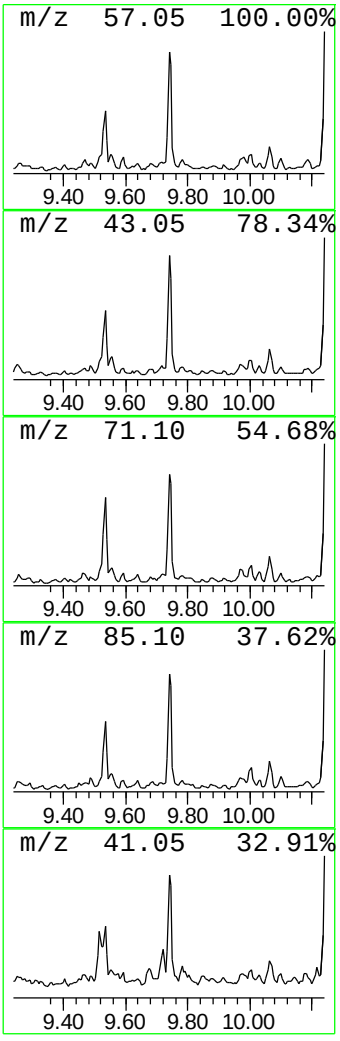
****

Peak Number 2 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	3.46 ng	174391	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Nonadecane	268	C19H40	000629-92-5	80
4	Tetradecane	198	C14H30	000629-59-4	80
5	Octacosane	394	C28H58	000630-02-4	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121778.D
Acq On : 1 Oct 2020 20:49
Operator : JU/CG
Sample : L4193-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(13-14)

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

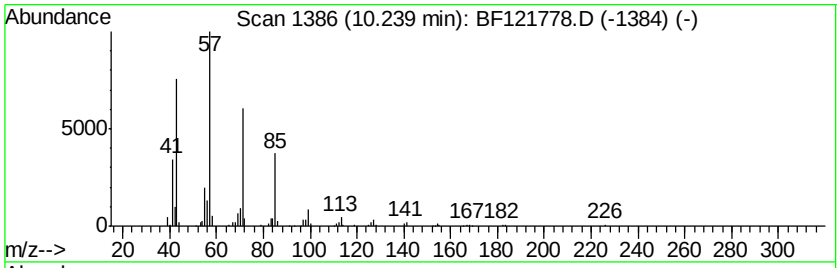
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

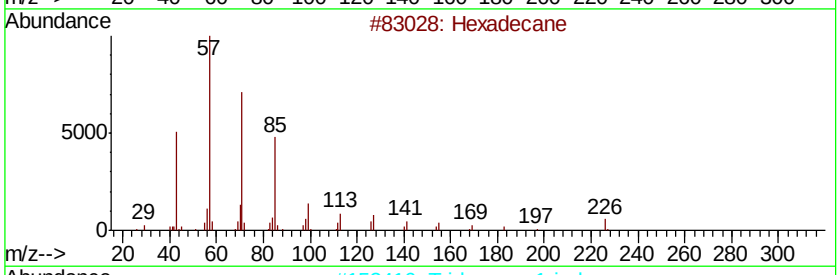
****

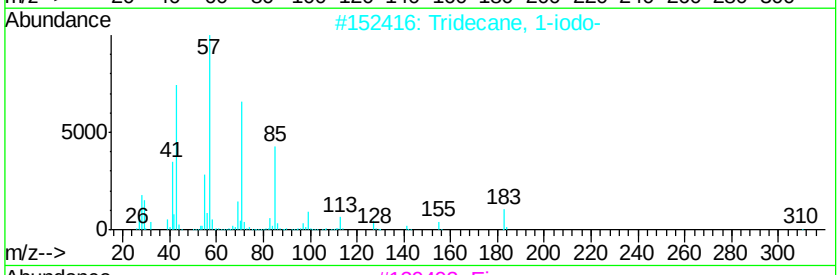
Peak Number 3 Hexadecane Concentration Rank 10

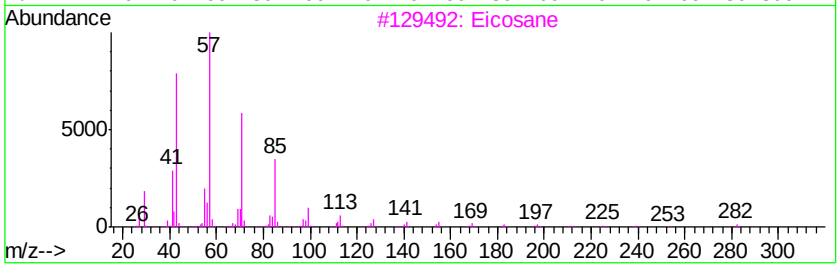
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	3.42 ng	172209	Acenaphthene-d10	9.81

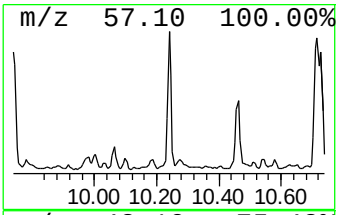
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
3	Eicosane	282	C20H42	000112-95-8	87
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	87
5	Tridecane	184	C13H28	000629-50-5	72

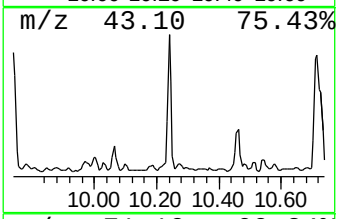


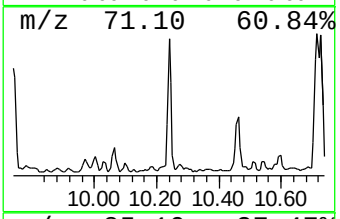


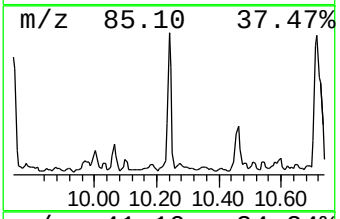


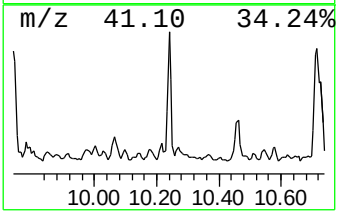












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121778.D
Acq On : 1 Oct 2020 20:49
Operator : JU/CG
Sample : L4193-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(13-14)

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

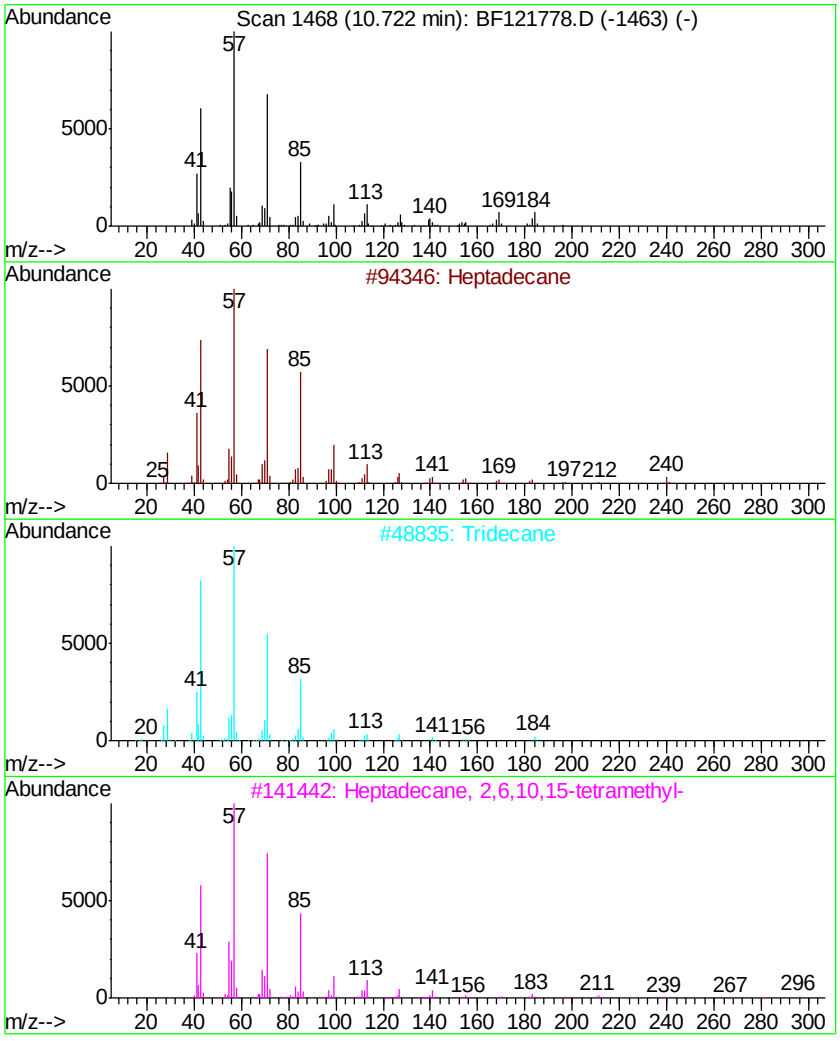
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

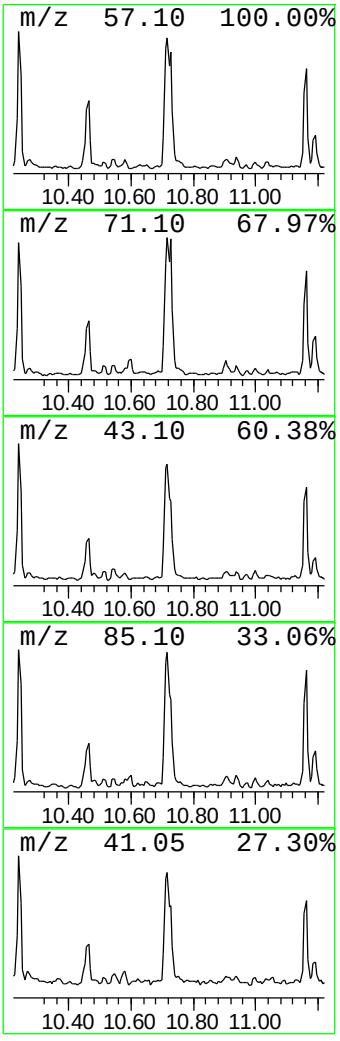
****

Peak Number 4 Heptadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	8.15 ng	361899	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Tridecane	184	C13H28	000629-50-5	93
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
4	Heptacosane	380	C27H56	000593-49-7	90
5	Hexadecane	226	C16H34	000544-76-3	90





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Acq On : 1 Oct 2020 20:49
Operator : JU/CG
Sample : L4193-03 2X
Misc :
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ClientSampleId : B-12(13-14)

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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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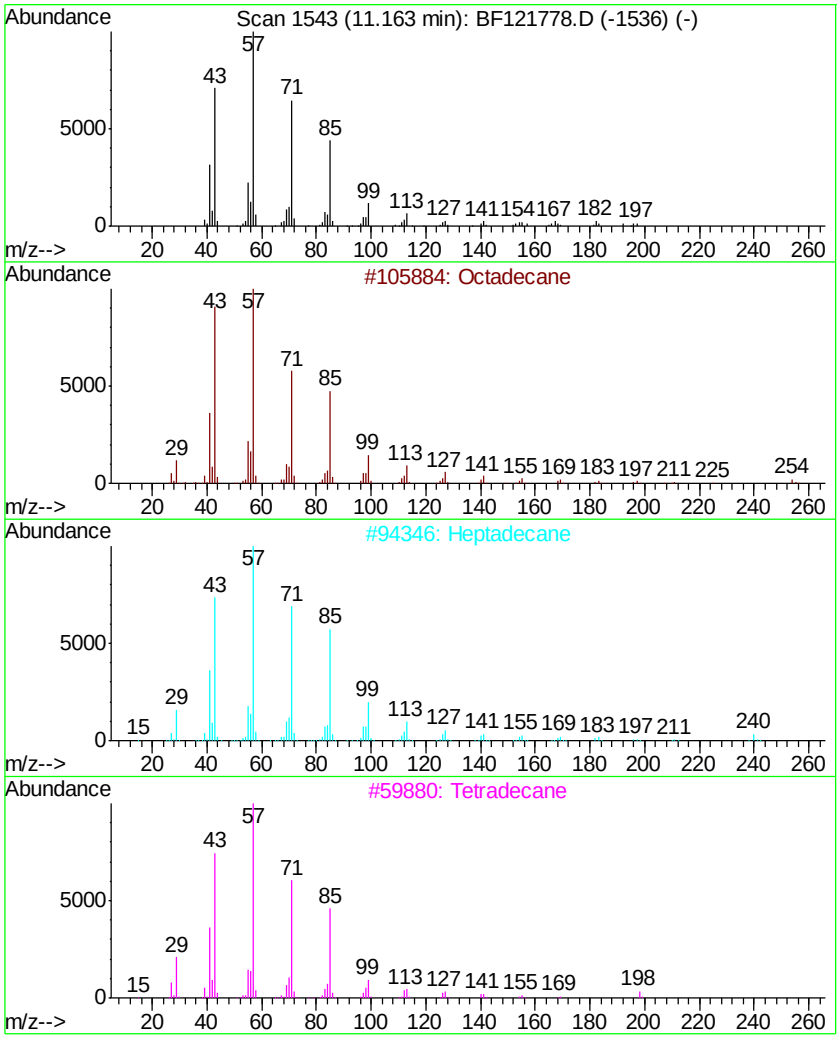
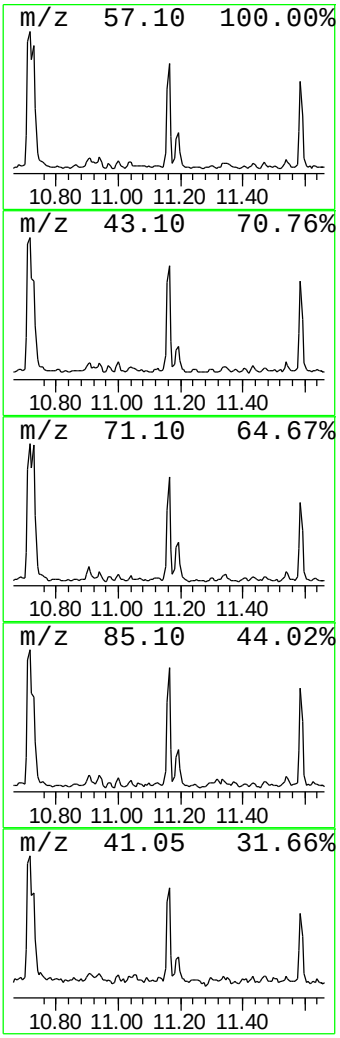
Peak Number 5 Octadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	4.57 ng	203136	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	91
2	Heptadecane	240	C17H36	000629-78-7	90
3	Tetradecane	198	C14H30	000629-59-4	87
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	86
5	Hexadecane	226	C16H34	000544-76-3	86





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ClientSampleId : B-12(13-14)

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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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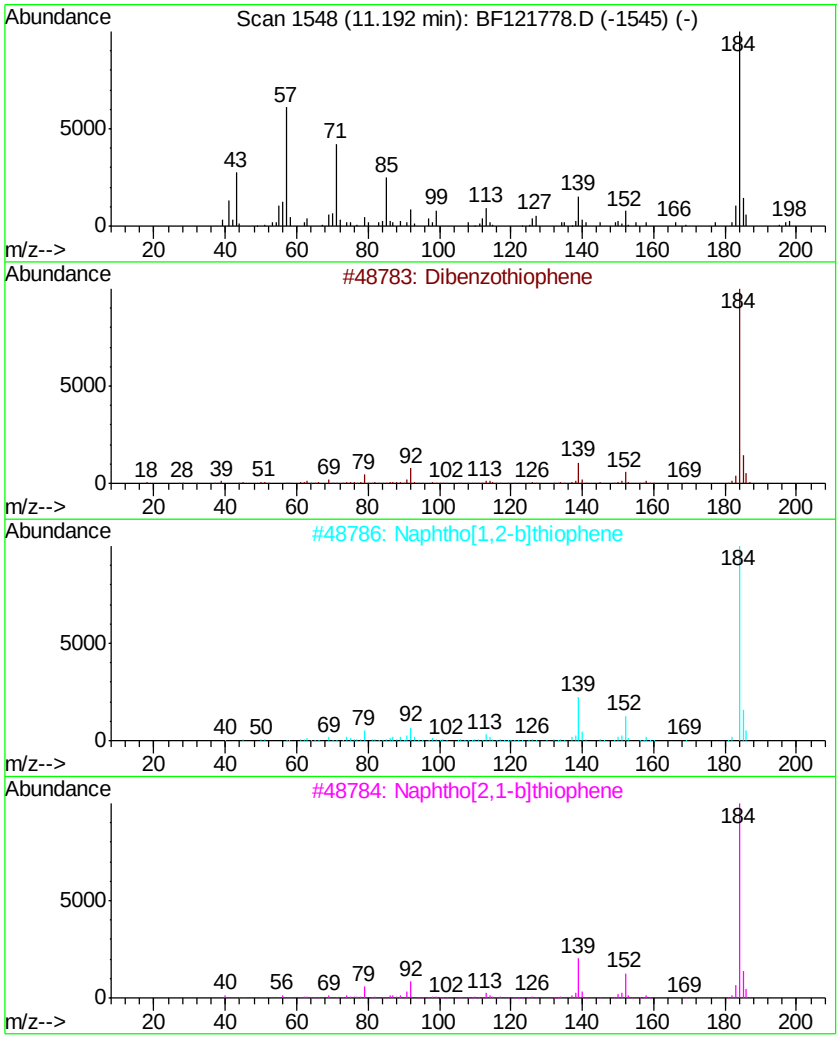
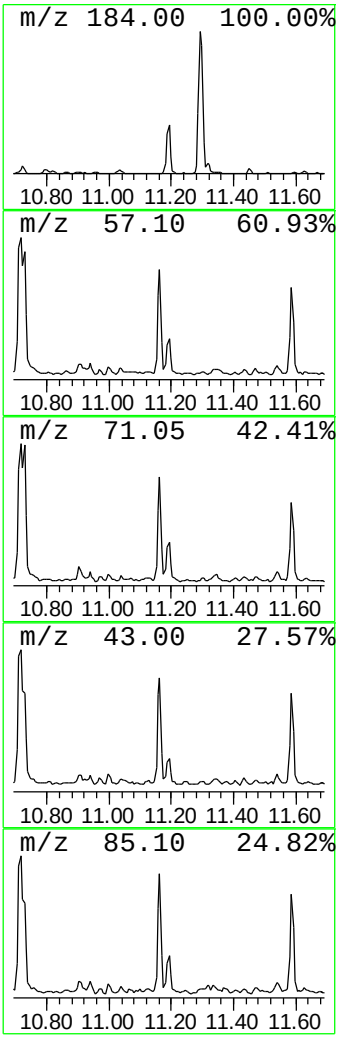
Peak Number 6 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	2.65 ng	117712	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	90
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	70
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	60
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	60
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	55





Library Search Compound Report

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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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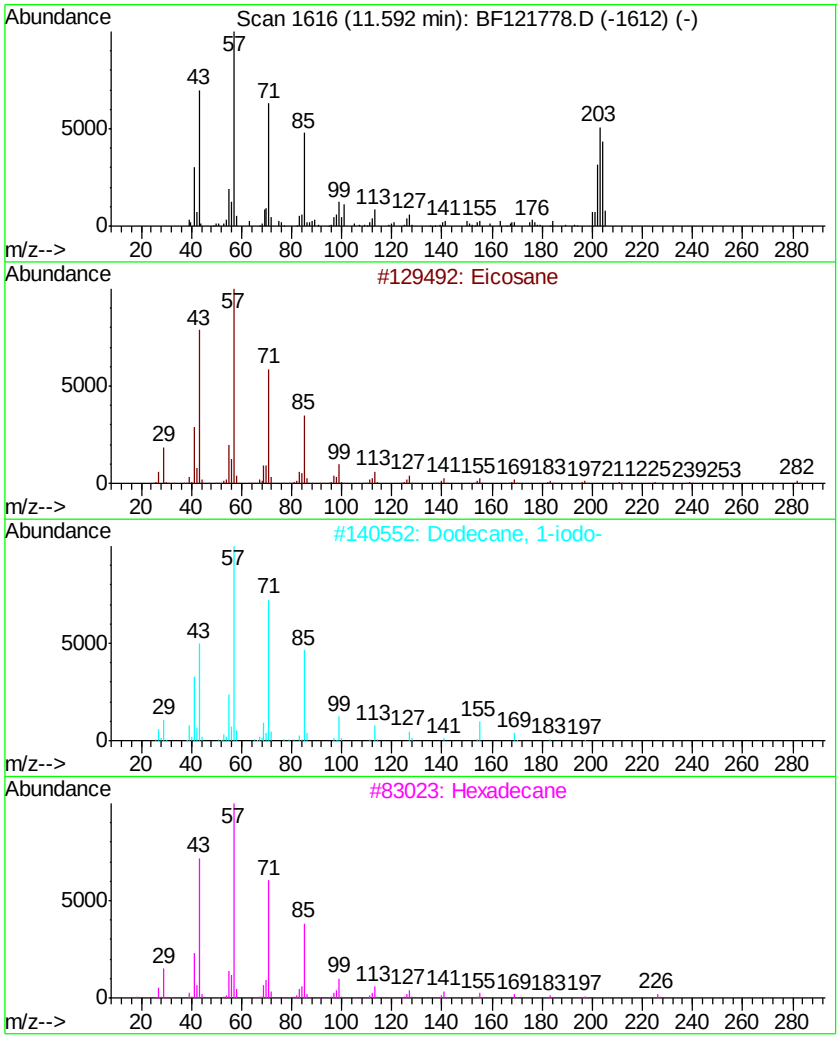
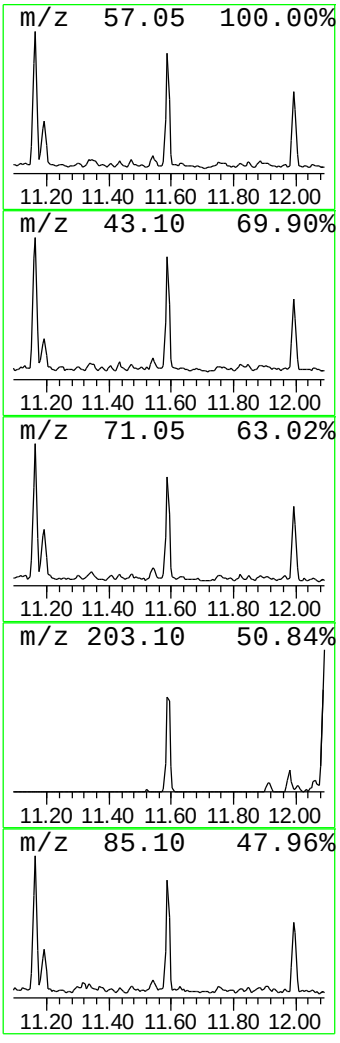
Peak Number 7 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	3.59 ng	159401	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	53
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	49
3	Hexadecane	226	C16H34	000544-76-3	49
4	Pentadecane	212	C15H32	000629-62-9	49
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	49





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ClientSampleId : B-12(13-14)

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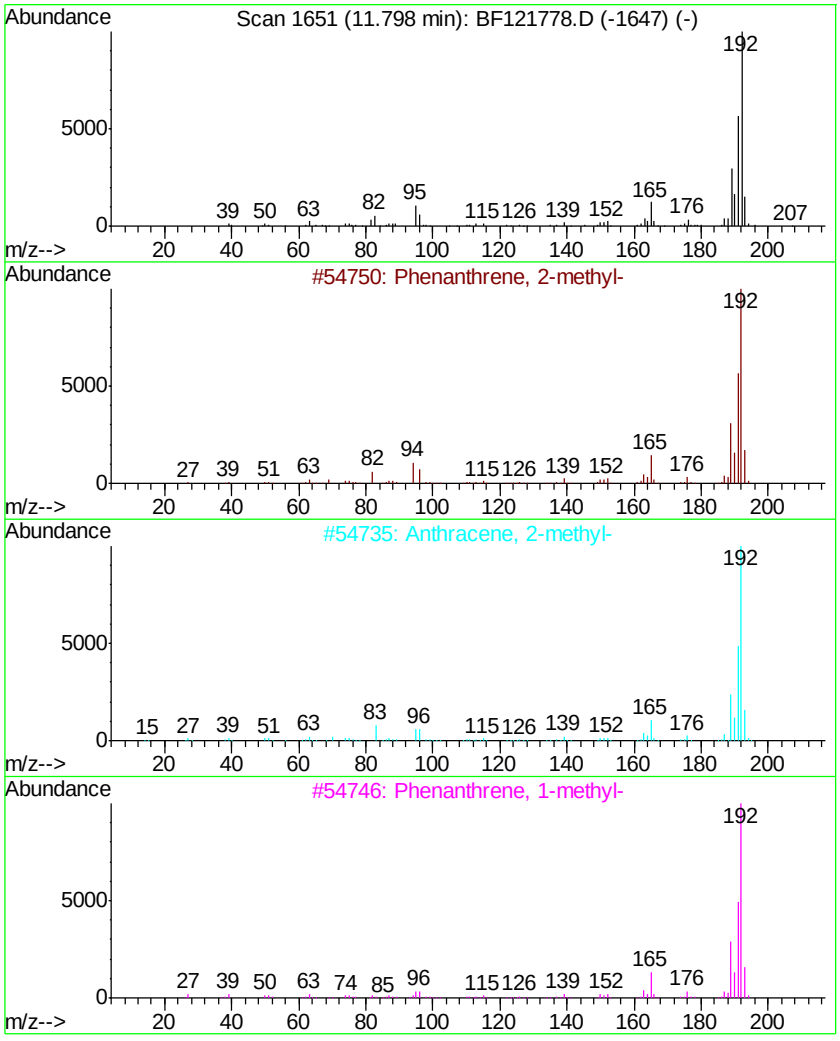
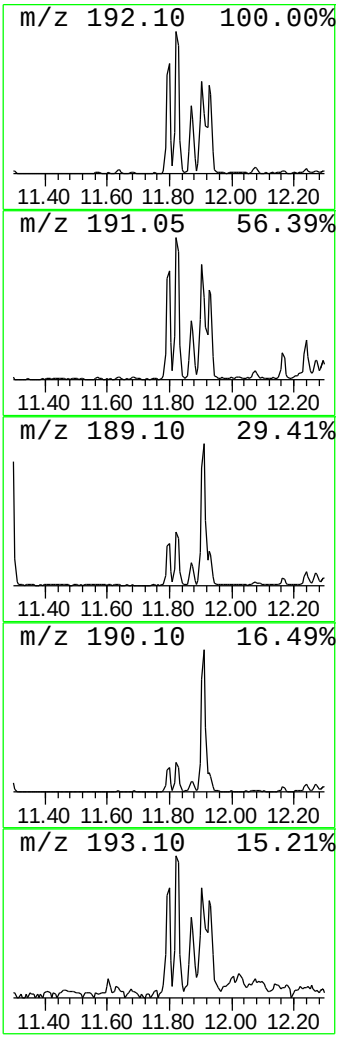
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	3.51 ng	155956	Phenanthrene-d10	11.29

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





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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ClientSampleId : B-12(13-14)

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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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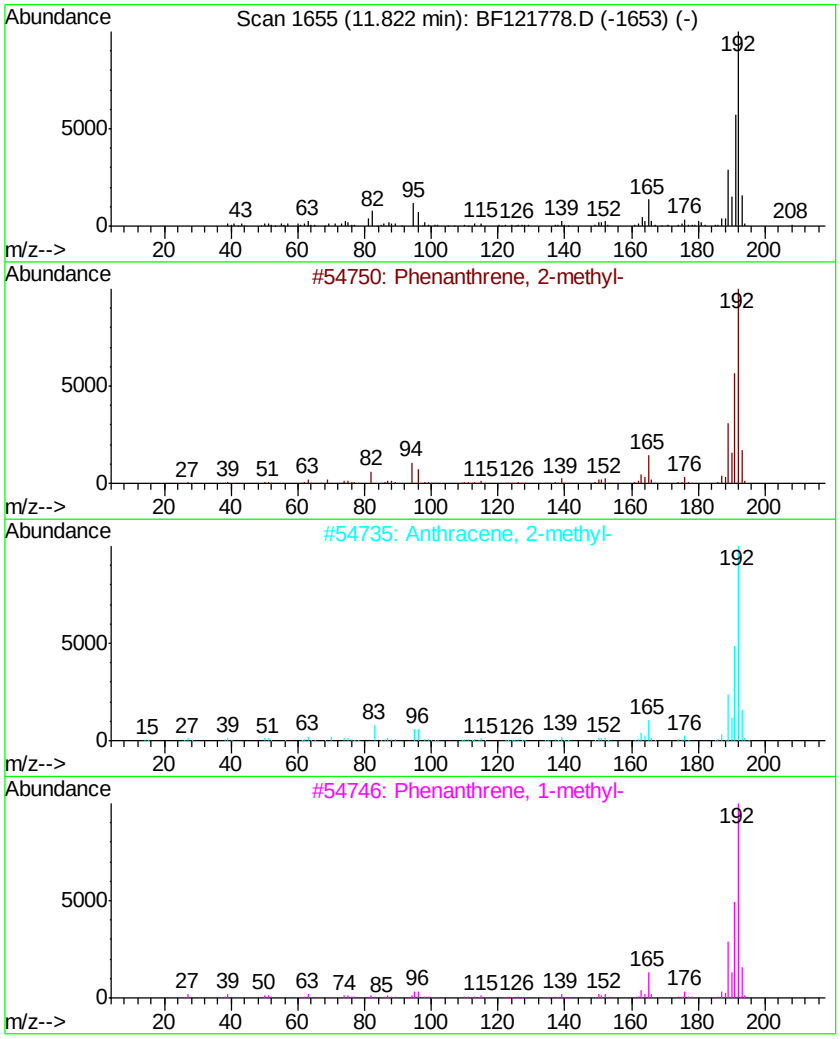
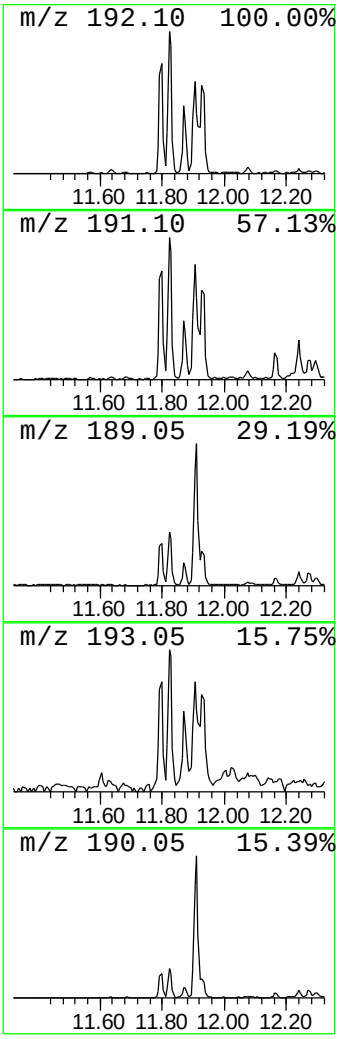
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	4.73 ng	210173	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Sample : L4193-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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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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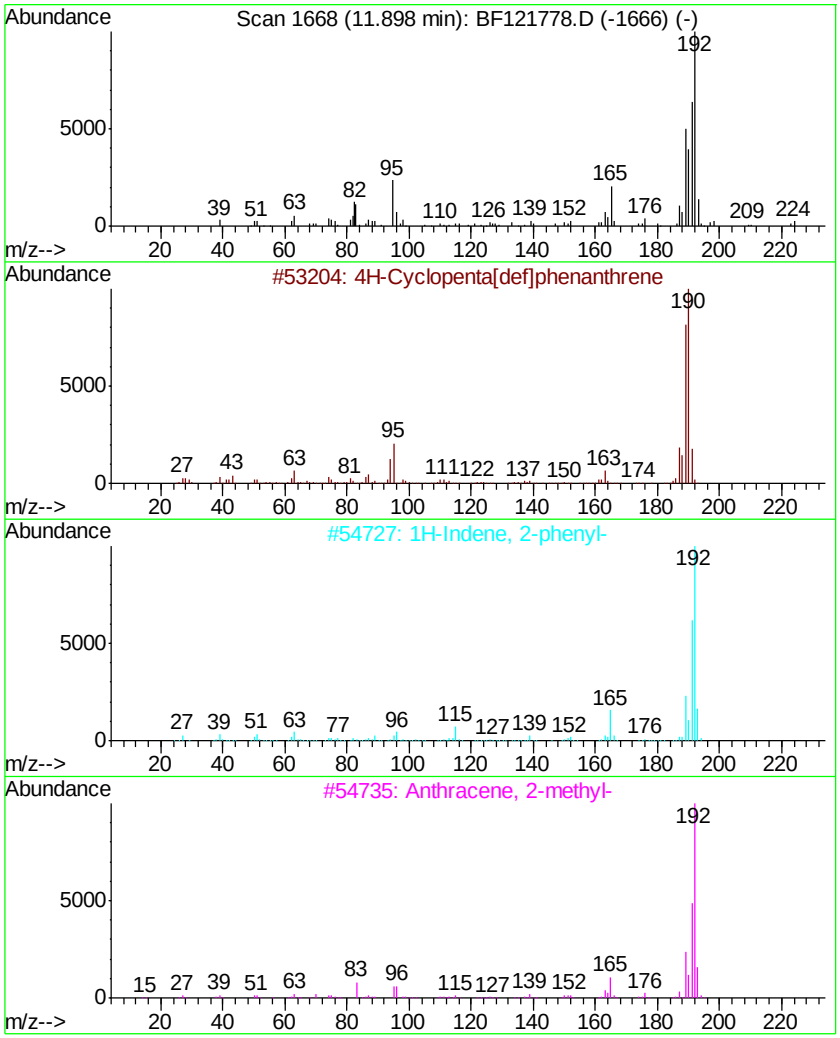
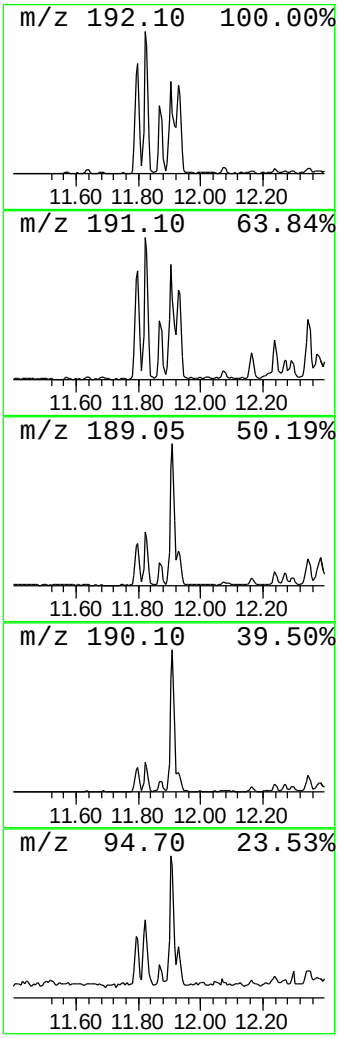
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	7.29 ng	323626	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	41





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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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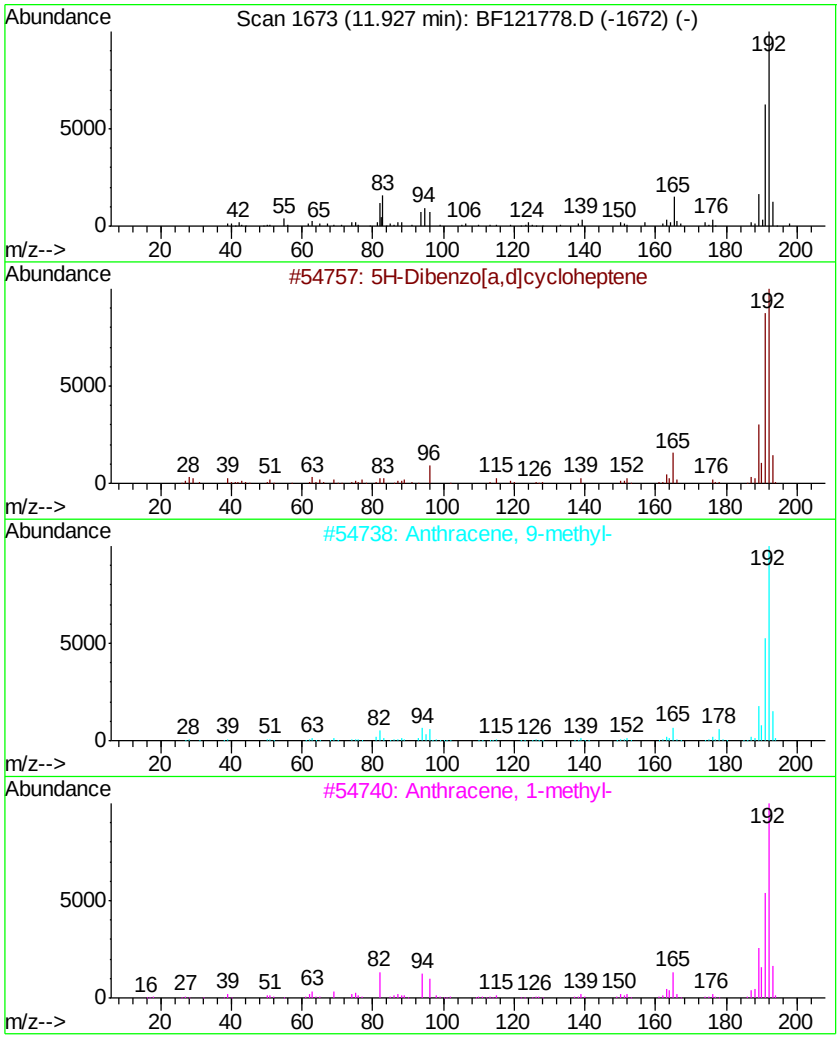
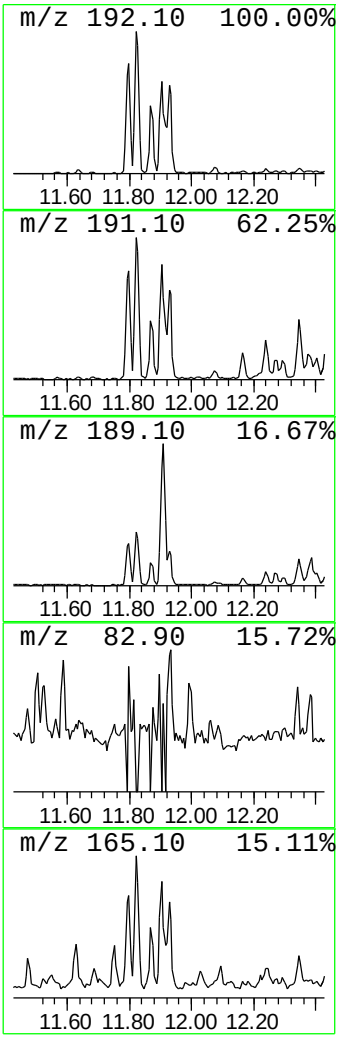
Peak Number 11 5H-Dibenzo[a,d]cycloheptene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.65 ng	117751	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80





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

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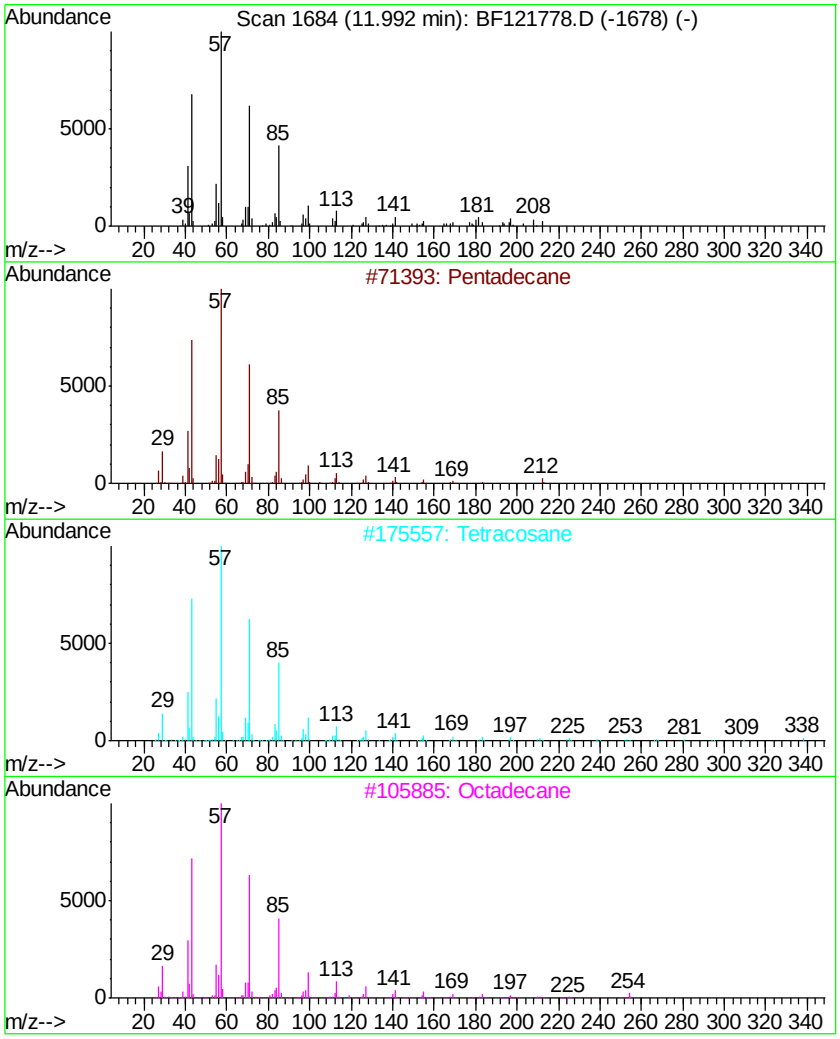
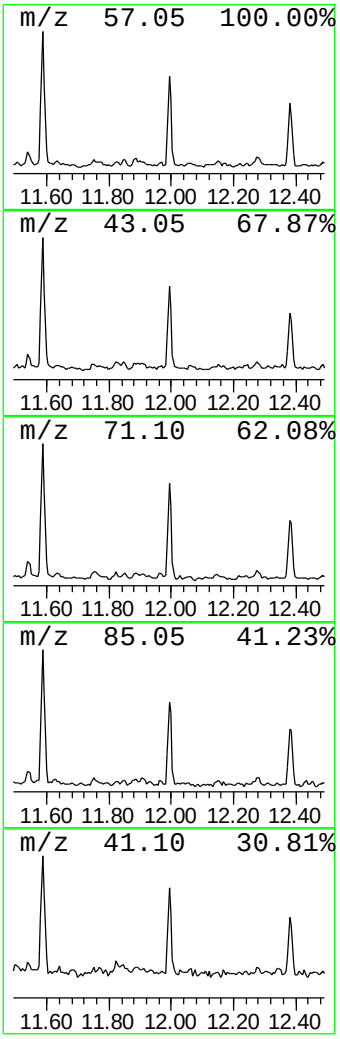
Peak Number 12 Pentadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.65 ng	117520	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	97
2	Tetracosane	338	C24H50	000646-31-1	83
3	Octadecane	254	C18H38	000593-45-3	83
4	Heptacosane	380	C27H56	000593-49-7	81
5	Heneicosane	296	C21H44	000629-94-7	81





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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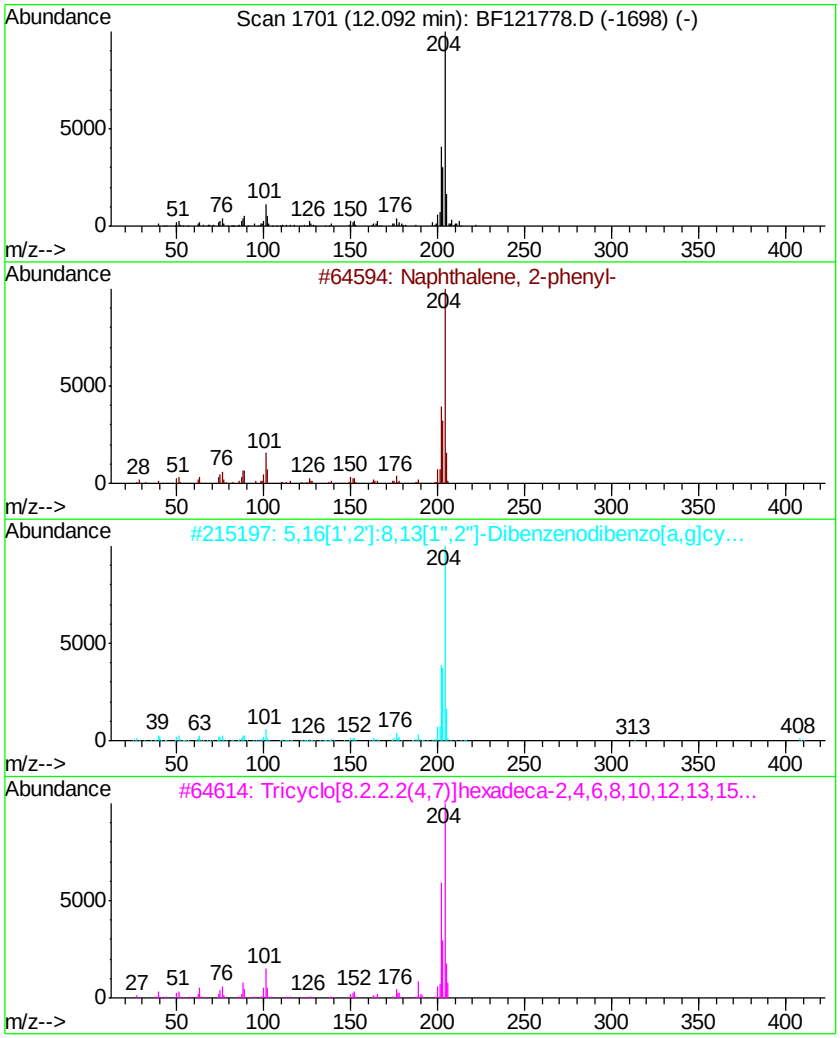
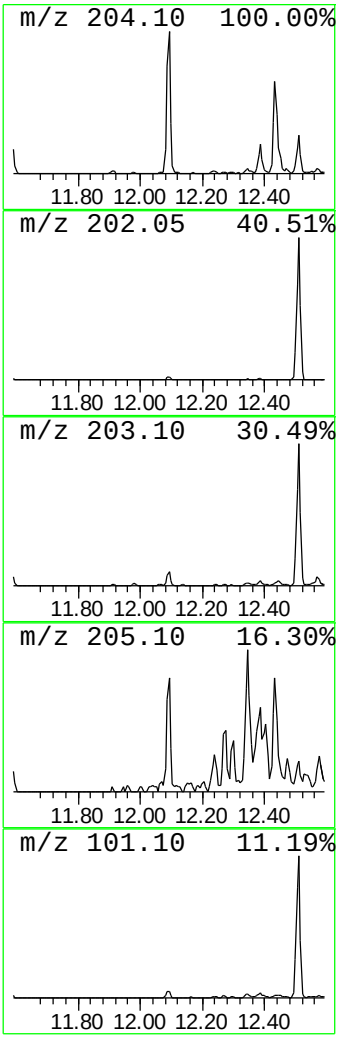
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	2.49 ng	110673	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





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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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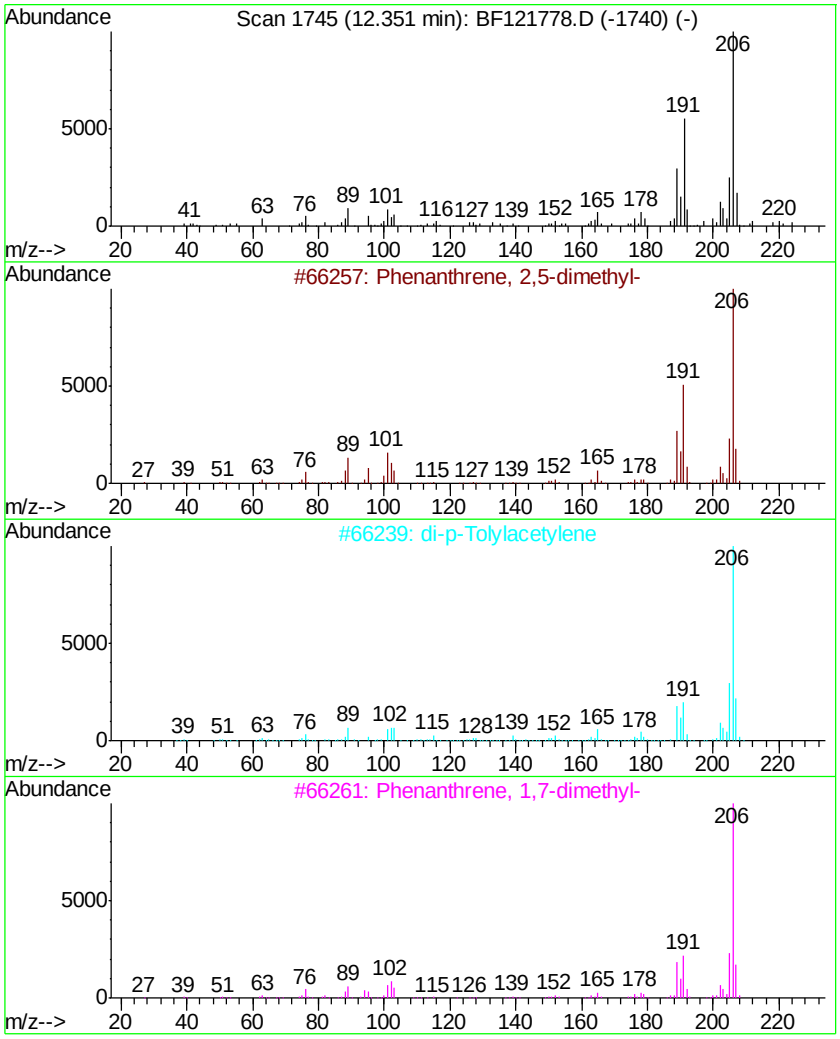
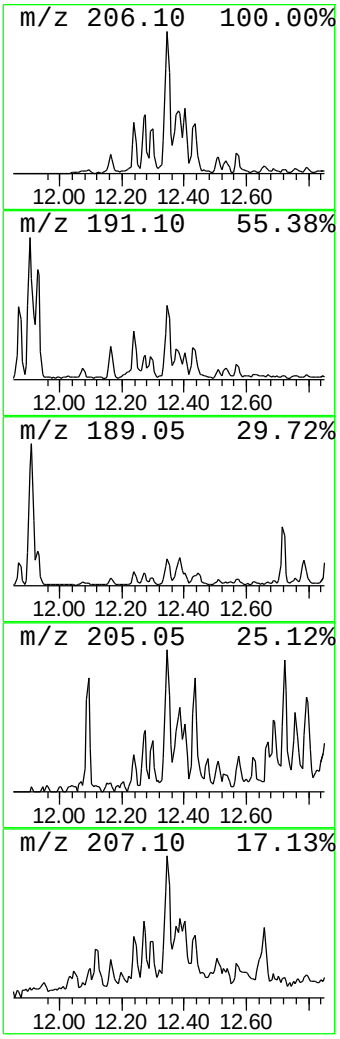
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	3.90 ng	173171	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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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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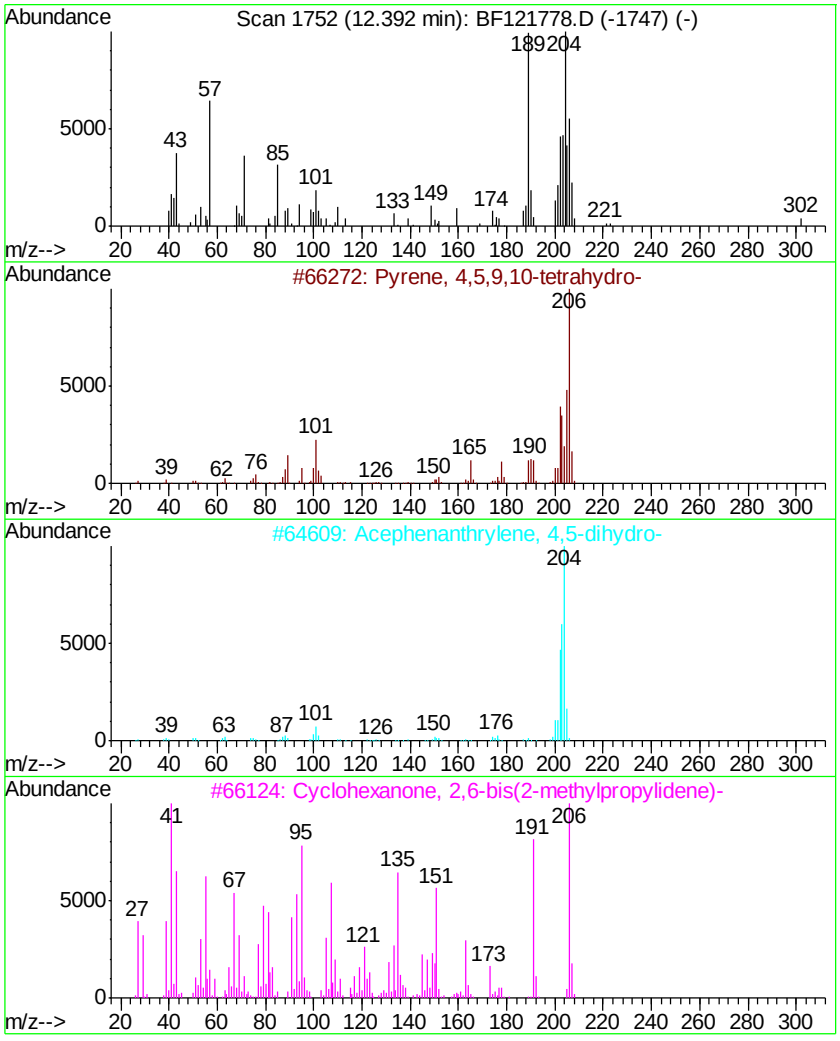
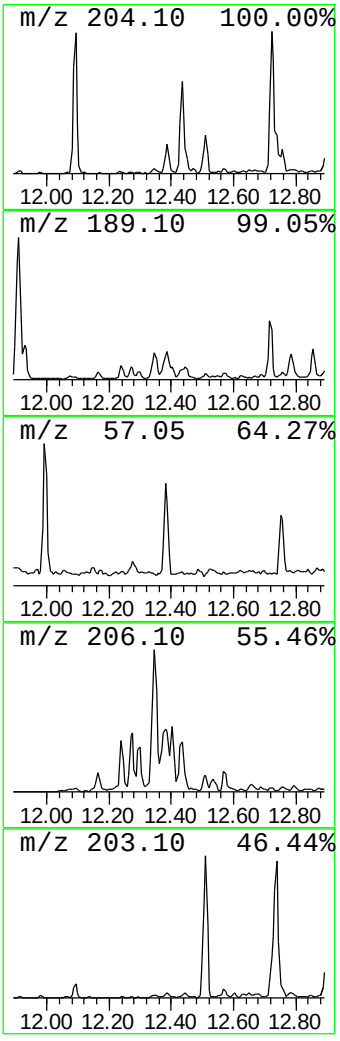
Peak Number 15 unknown12.39 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	3.41 ng	151557	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	47
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	35
3	Cyclohexanone, 2,6-bis(2-methylp...	206	C14H22O	092368-82-6	25
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	22
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	18





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Sample : L4193-03 2X
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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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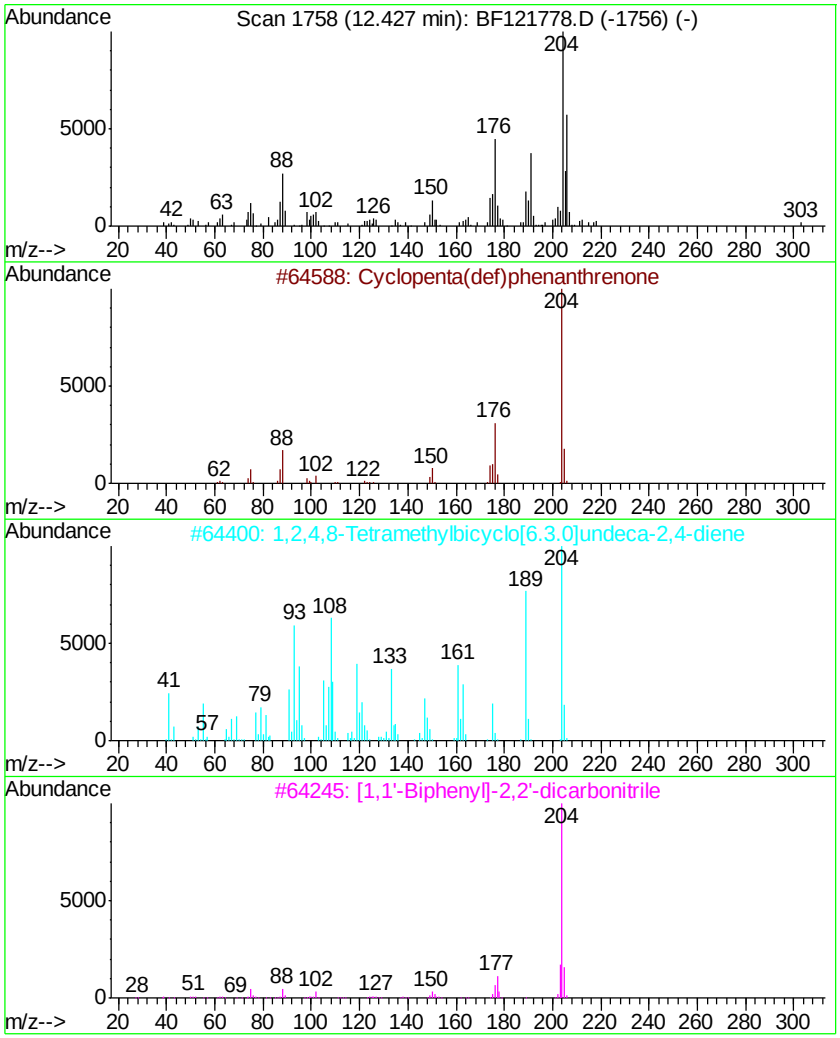
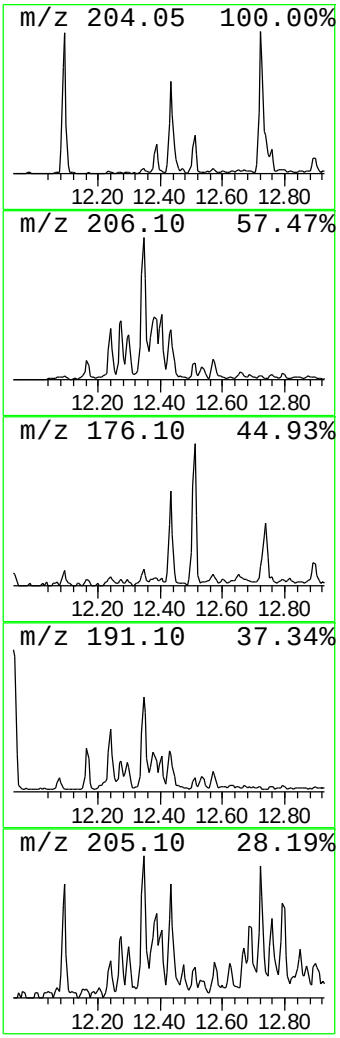
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	3.38 ng	150222	Phenanthrene-d10	11.29

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	41
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38
4	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





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Data File : BF121778.D
Acq On : 1 Oct 2020 20:49
Operator : JU/CG
Sample : L4193-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(13-14)

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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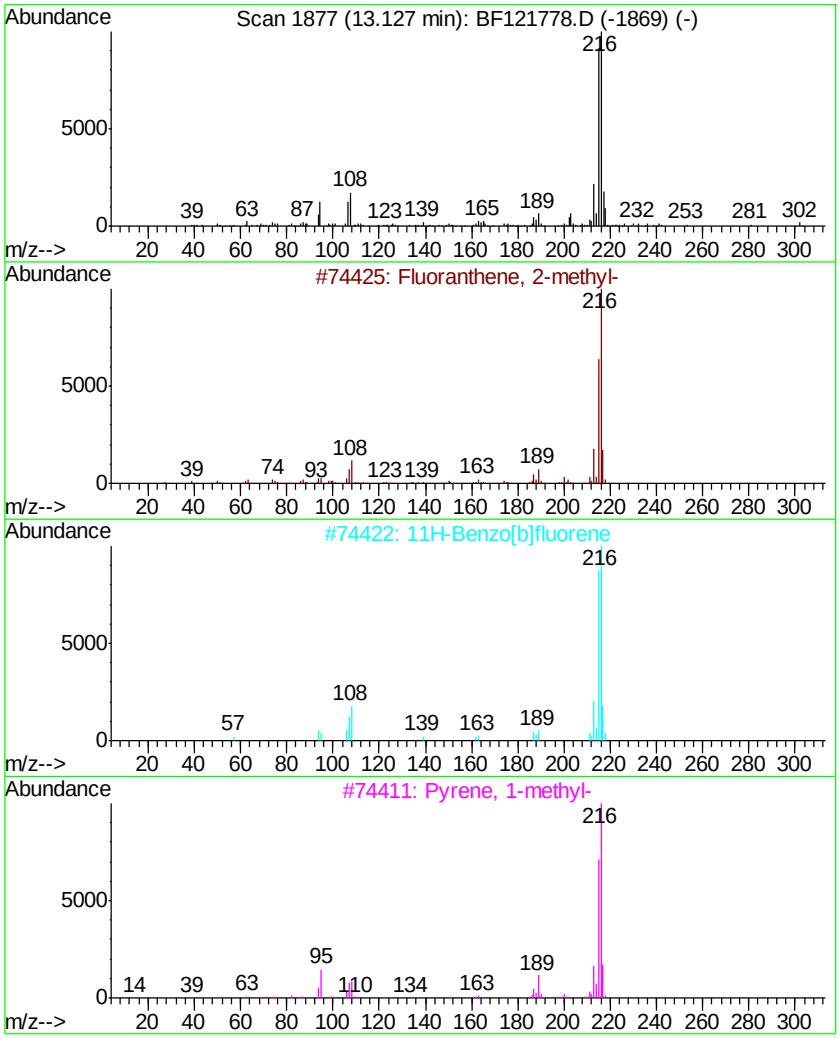
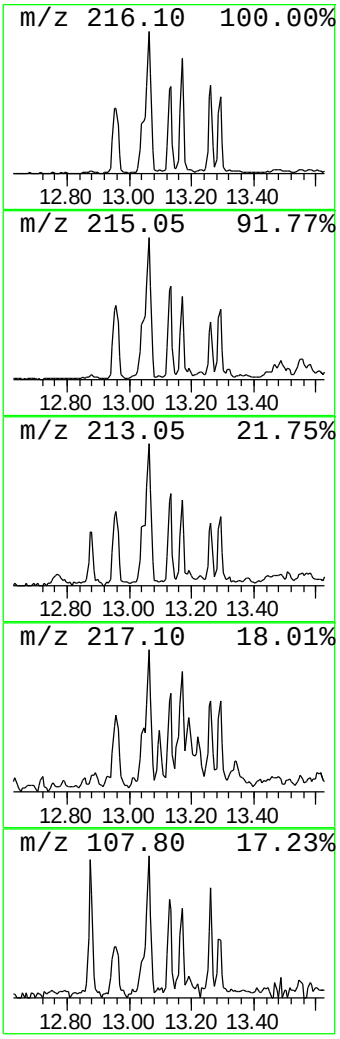
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	2.49 ng	274173	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	72





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
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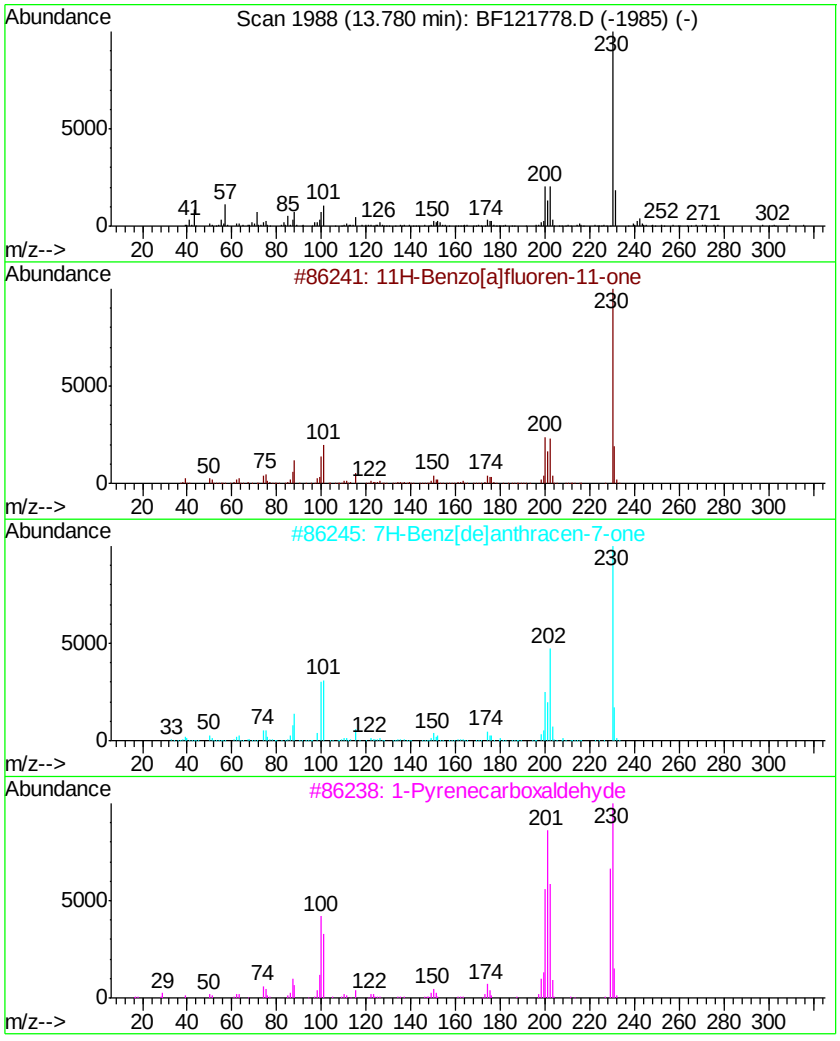
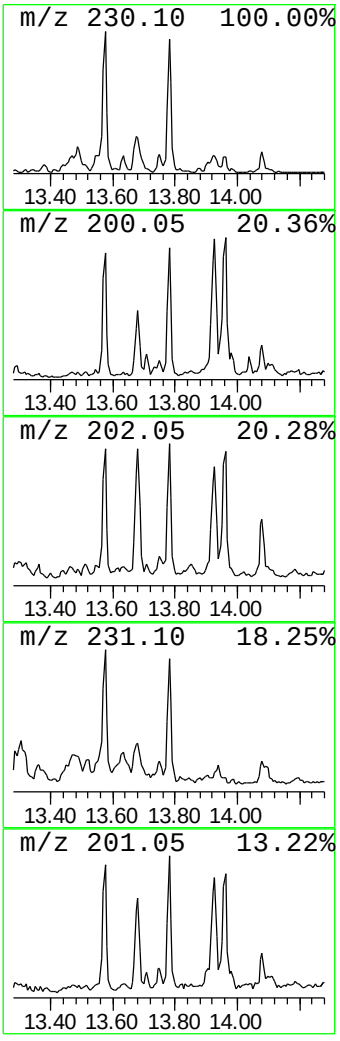
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	2.71 ng	298402	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	64
5	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121778.D
Acq On : 1 Oct 2020 20:49
Operator : JU/CG
Sample : L4193-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(13-14)

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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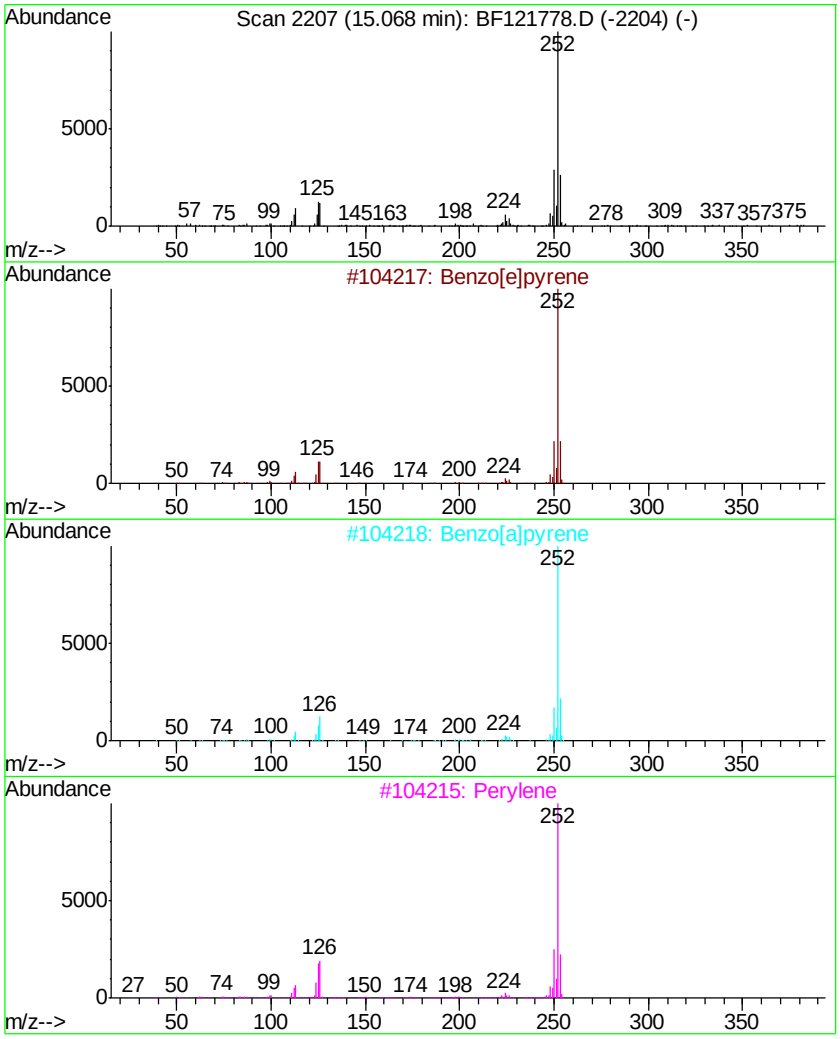
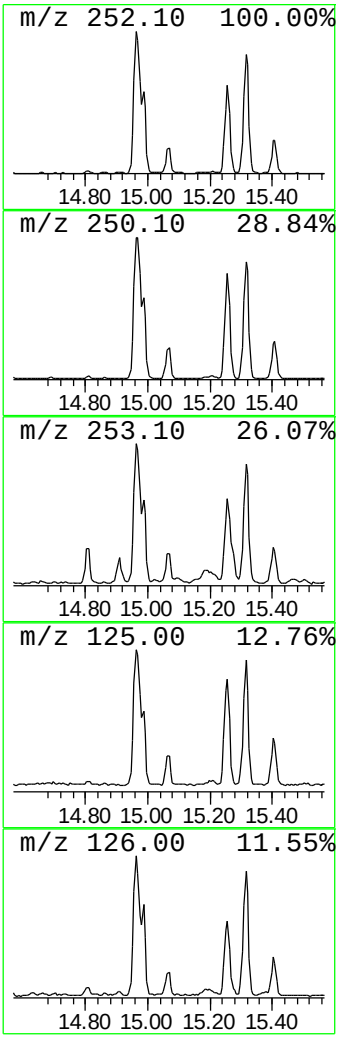
Peak Number 19 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	3.05 ng	132492	Perylene-d12	15.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Perylene	252	C20H12	000198-55-0	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





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Operator : JU/CG
Sample : L4193-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-12(13-14)

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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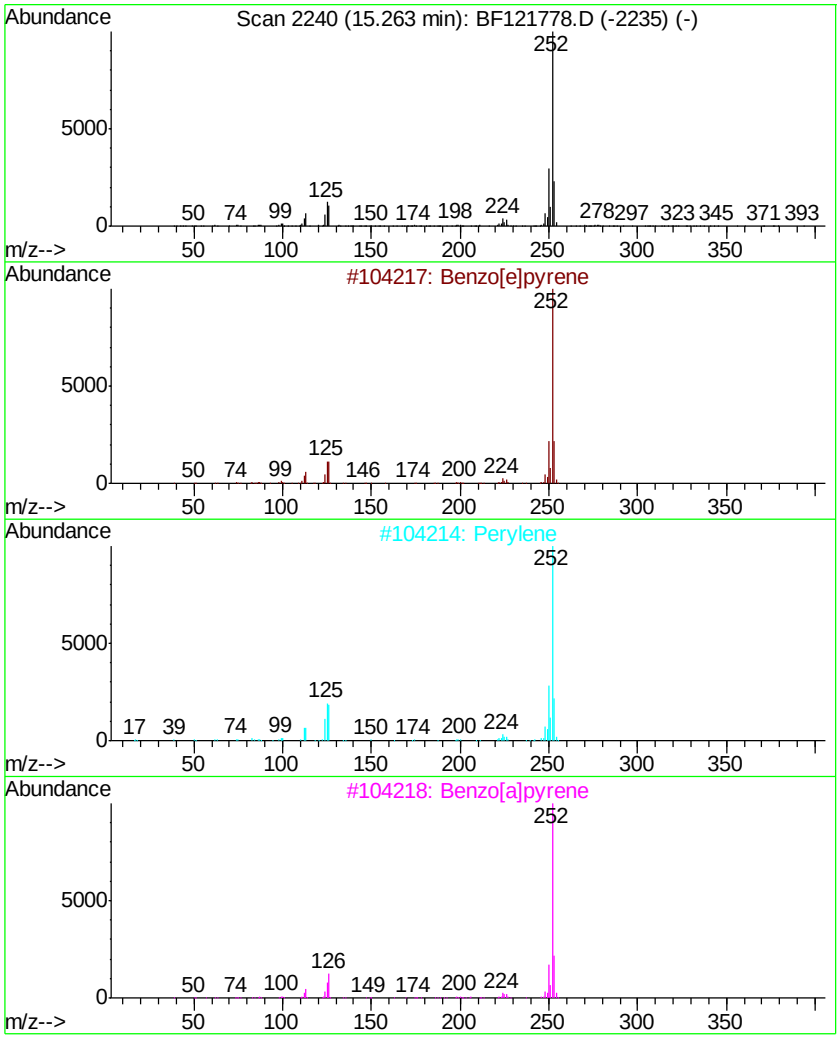
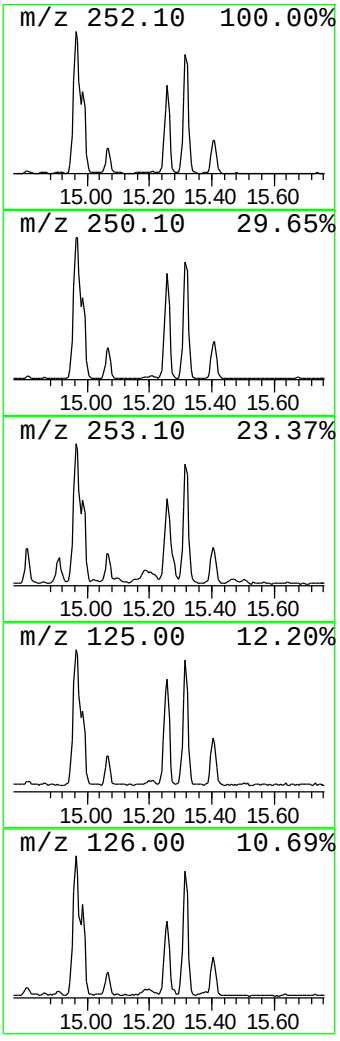
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	14.02 ng	609856	Perylene-d12	15.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100120\
Data File : BF121778.D
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Misc :
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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
Eicosane, 10-methyl-	9.21	3.2	ng	160546	3	9.81	1007380	20.0
Tridecane	9.74	3.5	ng	174391	3	9.81	1007380	20.0
Hexadecane	10.24	3.4	ng	172209	3	9.81	1007380	20.0
Heptadecane	10.72	8.2	ng	361899	4	11.29	888058	20.0
Octadecane	11.16	4.6	ng	203136	4	11.29	888058	20.0
Dibenzothiophene	11.19	2.6	ng	117712	4	11.29	888058	20.0
Eicosane	11.59	3.6	ng	159401	4	11.29	888058	20.0
Phenanthrene, 2-m...	11.80	3.5	ng	155956	4	11.29	888058	20.0
Anthracene, 2-met...	11.82	4.7	ng	210173	4	11.29	888058	20.0
4H-Cyclopenta[def...	11.90	7.3	ng	323626	4	11.29	888058	20.0
5H-Dibenzo[a,d]cy...	11.93	2.6	ng	117751	4	11.29	888058	20.0
Pentadecane	11.99	2.6	ng	117520	4	11.29	888058	20.0
Naphthalene, 2-ph...	12.09	2.5	ng	110673	4	11.29	888058	20.0
Phenanthrene, 2,5...	12.35	3.9	ng	173171	4	11.29	888058	20.0
unknown12.39	12.39	3.4	ng	151557	4	11.29	888058	20.0
Cyclopenta(def)ph...	12.43	3.4	ng	150222	4	11.29	888058	20.0
Fluoranthene, 2-m...	13.13	2.5	ng	274173	5	13.94	2204800	20.0
11H-Benzo[a]fluor...	13.78	2.7	ng	298402	5	13.94	2204800	20.0
Benzo[e]pyrene	15.07	3.0	ng	132492	6	15.38	869855	20.0
Perylene	15.26	14.0	ng	609856	6	15.38	869855	20.0