LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116757.D
Acq On : 1 Sep 2019 21:51
Operator : HP/JU
Sample : K4618-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

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-BF083019.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	5.457	569	573	586	rVB	1792748	1619217	53.01%	3.590%
2	6.475	741	746	754	rBV2	2024616	1906320	62.41%	4.226%
3	6.616	766	770	773	rBV	2102830	1816666	59.48%	4.028%
4	6.845	805	809	812	rBV	504796	379430	12.42%	0.841%
5	7.004	832	836	839	rBV	1553863	1293950	42.37%	2.869%
6	7.404	896	904	907	rBV	1294344	1148027	37.59%	2.545%
7	7.645	943	945	949	rVB	50687	38671	1.27%	0.086%
8	8.127	1022	1027	1029	rBV	712129	589383	19.30%	1.307%
9	8.145	1029	1030	1034	rVB	110295	86825	2.84%	0.192%
10	8.722	1125	1128	1132	rBV2	64924	67681	2.22%	0.150%
11	8.839	1146	1148	1152	rVB	55367	42149	1.38%	0.093%
12	9.033	1178	1181	1186	rVB4	27135	39066	1.28%	0.087%
13	9.086	1186	1190	1193	rBV	38280	38997	1.28%	0.086%
14	9.204	1206	1210	1213	rBV	2216481	1969573	64.49%	4.367%
15	9.286	1220	1224	1228	rBV3	58740	71482	2.34%	0.158%
16	9.463	1249	1254	1261	rBV4	29640	68397	2.24%	0.152%
17	9.539	1261	1267	1270	rBV5	49114	70682	2.31%	0.157%
18	9.592	1273	1276	1278	rBV	249932	196986	6.45%	0.437%
19	9.857	1317	1321	1322	rVV2	36600	45172	1.48%	0.100%
20	9.880	1322	1325	1328	rVV	950078	752660	24.64%	1.669%
21	9.910	1328	1330	1333	rVV2	36383	35829	1.17%	0.079%
22	9.986	1339	1343	1347	rVB	43583	60476	1.98%	0.134%
23	10.080	1356	1359	1362	rVB2	45023	47344	1.55%	0.105%
24	10.121	1362	1366	1368	rBV2	36853	39635	1.30%	0.088%
25	10.151	1368	1371	1374	rBV2	101111	96183	3.15%	0.213%
26	10.316	1396	1399	1401	rVV2	36242	35659	1.17%	0.079%
27	10.421	1414	1417	1419	rBV3	55726	60021	1.97%	0.133%
28	10.516	1431	1433	1435	rBV3	40767	38030	1.25%	0.084%
29	10.663	1453	1458	1462	rVV	1382382	1380403	45.20%	3.060%
30	10.751	1470	1473	1477	rBV6	41128	60314	1.97%	0.134%
31	10.792	1477	1480	1482	rBV4	46553	54046	1.77%	0.120%
32	10.963	1507	1509	1513	rVB5	30731	41602	1.36%	0.092%
33	11.004	1513	1516	1521	rBV4	82842	135769	4.45%	0.301%
34	11.086	1528	1530	1532	rBV	47886	35941	1.18%	0.080%

LSC Area Percent Report

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Acq On : 1 Sep 2019 21:51
Operator : HP/JU
Sample : K4618-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.121	1532	1536	1539	rBV4	75673	88573	2.90%	0.196%
36	11.233	1553	1555	1557	rVB3	65960	54309	1.78%	0.120%
37	11.363	1573	1577	1579	rVV	947365	801256	26.23%	1.776%
38	11.386	1579	1581	1585	rVV	250288	228075	7.47%	0.506%
39	11.433	1587	1589	1592	rVB	100351	88399	2.89%	0.196%
40	11.474	1592	1596	1598	rBV2	64022	89738	2.94%	0.199%
41	11.498	1598	1600	1602	rVB2	52295	42169	1.38%	0.093%
42	11.715	1635	1637	1643	rVB6	45570	54593	1.79%	0.121%
43	11.863	1659	1662	1664	rVV	249896	199873	6.54%	0.443%
44	11.886	1664	1666	1671	rVB2	383985	368773	12.07%	0.818%
45	11.939	1672	1675	1678	rBV	170629	175842	5.76%	0.390%
46	11.974	1678	1681	1683	rBV	120600	115738	3.79%	0.257%
47	12.063	1694	1696	1700	rBV	71866	80761	2.64%	0.179%
48	12.127	1705	1707	1710	rBV3	49338	52956	1.73%	0.117%
49	12.157	1710	1712	1714	rBV	47343	36204	1.19%	0.080%
50	12.233	1722	1725	1729	rBV2	101817	105468	3.45%	0.234%
51	12.304	1734	1737	1740	rVV2	228327	259428	8.49%	0.575%
52	12.339	1740	1743	1745	rVV	213886	217771	7.13%	0.483%
53	12.362	1745	1747	1749	rVV	147367	122487	4.01%	0.272%
54	12.410	1752	1755	1758	rVV	244132	314135	10.29%	0.696%
55	12.451	1759	1762	1767	rVB3	232443	301880	9.88%	0.669%
56	12.498	1767	1770	1774	rBV3	162863	207275	6.79%	0.460%
57	12.574	1779	1783	1785	rBV2	257549	270607	8.86%	0.600%
58	12.639	1792	1794	1797	rBV3	91923	82382	2.70%	0.183%
59	12.692	1801	1803	1807	rVB2	113892	114981	3.76%	0.255%
60	12.733	1808	1810	1812	rVV2	105819	103354	3.38%	0.229%
61	12.751	1812	1813	1817	rVV	142664	142515	4.67%	0.316%
62	12.798	1818	1821	1823	rVV	559739	510569	16.72%	1.132%
63	12.821	1823	1825	1828	rVV2	220278	214418	7.02%	0.475%
64	12.862	1829	1832	1835	rVB	178580	202448	6.63%	0.449%
65	12.945	1842	1846	1849	rBV	2051520	1909885	62.53%	4.234%
66	13.015	1855	1858	1861	rBV	170502	226969	7.43%	0.503%
67	13.074	1866	1868	1870	rBV	80917	82191	2.69%	0.182%
68	13.127	1875	1877	1880	rVB	189914	150484	4.93%	0.334%
69	13.192	1884	1888	1891	rVB2	188662	232742	7.62%	0.516%
70	13.233	1891	1895	1898	rBV	519998	542737	17.77%	1.203%
71	13.321	1908	1910	1912	rBV	92805	71886	2.35%	0.159%

LSC Area Percent Report

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Acq On : 1 Sep 2019 21:51
Operator : HP/JU
Sample : K4618-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.521	1941	1944	1948	rBV3	277001	431347	14.12%	0.956%
73	13.609	1956	1959	1961	rBV2	146510	192480	6.30%	0.427%
74	13.633	1961	1963	1968	rVV2	800408	956371	31.31%	2.120%
75	13.698	1972	1974	1978	rVB	147063	108621	3.56%	0.241%
76	13.739	1978	1981	1982	rBV2	168003	194890	6.38%	0.432%
77	13.762	1983	1985	1989	rVB3	273328	300534	9.84%	0.666%
78	13.839	1995	1998	2003	rVB2	978183	1088336	35.63%	2.413%
79	13.898	2005	2008	2009	rBV	178376	170206	5.57%	0.377%
80	13.992	2017	2024	2027	rBV2	973353	1708802	55.95%	3.788%
81	14.021	2027	2029	2032	rVB	830678	722733	23.66%	1.602%
82	14.080	2037	2039	2041	rBV	165214	147274	4.82%	0.327%
83	14.162	2051	2053	2059	rVB3	363100	398826	13.06%	0.884%
84	14.286	2071	2074	2076	rVB	425560	365486	11.97%	0.810%
85	14.345	2082	2084	2086	rBV2	310989	304805	9.98%	0.676%
86	14.386	2086	2091	2094	rVV	1271264	1563881	51.20%	3.467%
87	14.415	2094	2096	2099	rVB	744613	650604	21.30%	1.442%
88	14.468	2102	2105	2109	rVB2	774094	912814	29.89%	2.024%
89	14.721	2144	2148	2152	rBV	411640	685877	22.46%	1.521%
90	14.774	2154	2157	2159	rVV	637738	685826	22.45%	1.520%
91	14.804	2159	2162	2167	rVB2	432742	520804	17.05%	1.155%
92	14.915	2178	2181	2183	rBV2	346509	425639	13.94%	0.944%
93	15.033	2197	2201	2207	rVB	381152	530615	17.37%	1.176%
94	15.339	2249	2253	2257	rVB	725323	924404	30.27%	2.049%
95	15.398	2258	2263	2269	rVB	605889	958534	31.38%	2.125%
96	15.456	2270	2273	2276	rBV2	395999	442738	14.50%	0.982%
97	15.780	2324	2328	2331	rBV2	365505	489956	16.04%	1.086%
98	15.815	2331	2334	2342	rVB	438139	568881	18.63%	1.261%
99	17.586	2628	2635	2650	rVB4	939177	2373337	77.71%	5.262%
100	17.839	2670	2678	2692	rBV2	1146025	3054283	100.00%	6.771%

Sum of corrected areas: 45105361

LSC Report - Integrated Chromatogram

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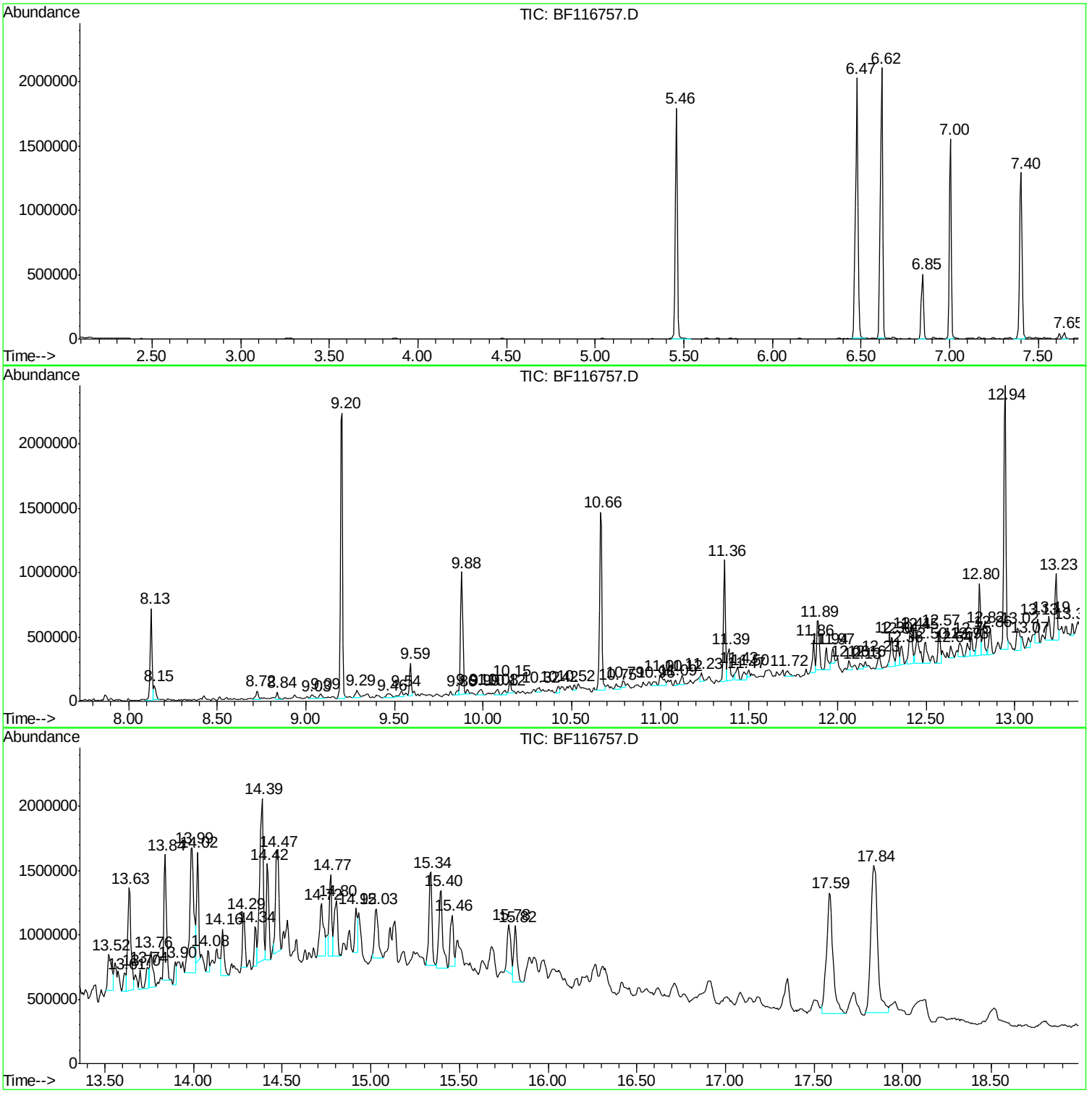
Data File : BF116757.D
Acq On : 1 Sep 2019 21:51
Operator : HP/JU
Sample : K4618-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
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Acq On : 1 Sep 2019 21:51
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

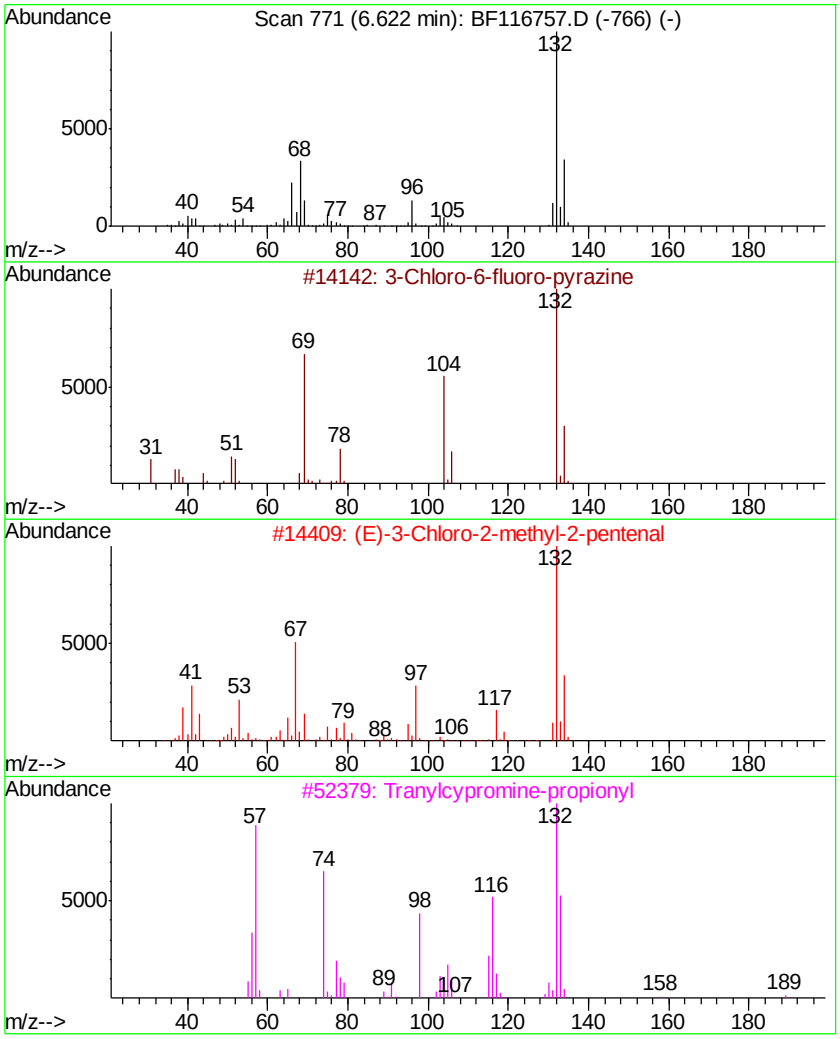
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

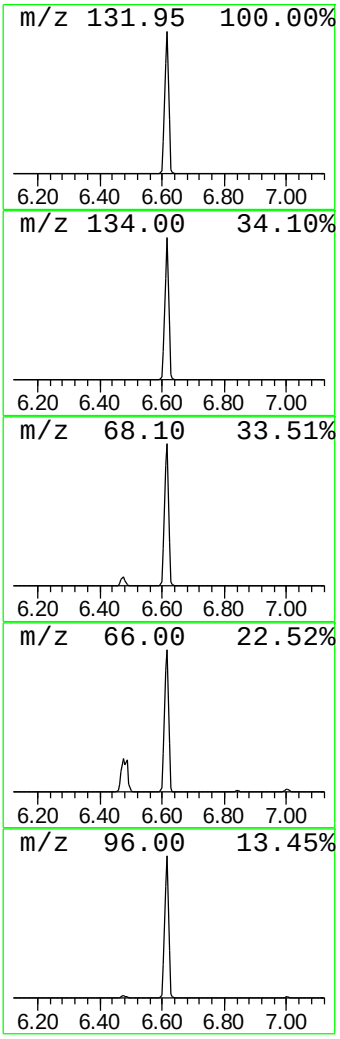
****

Peak Number 1 unknown6.62 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	95.76 ng	1816670	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
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Sample : K4618-05
Misc :
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Instrument : BNA_F
ClientSampleId : SB-4-18-20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

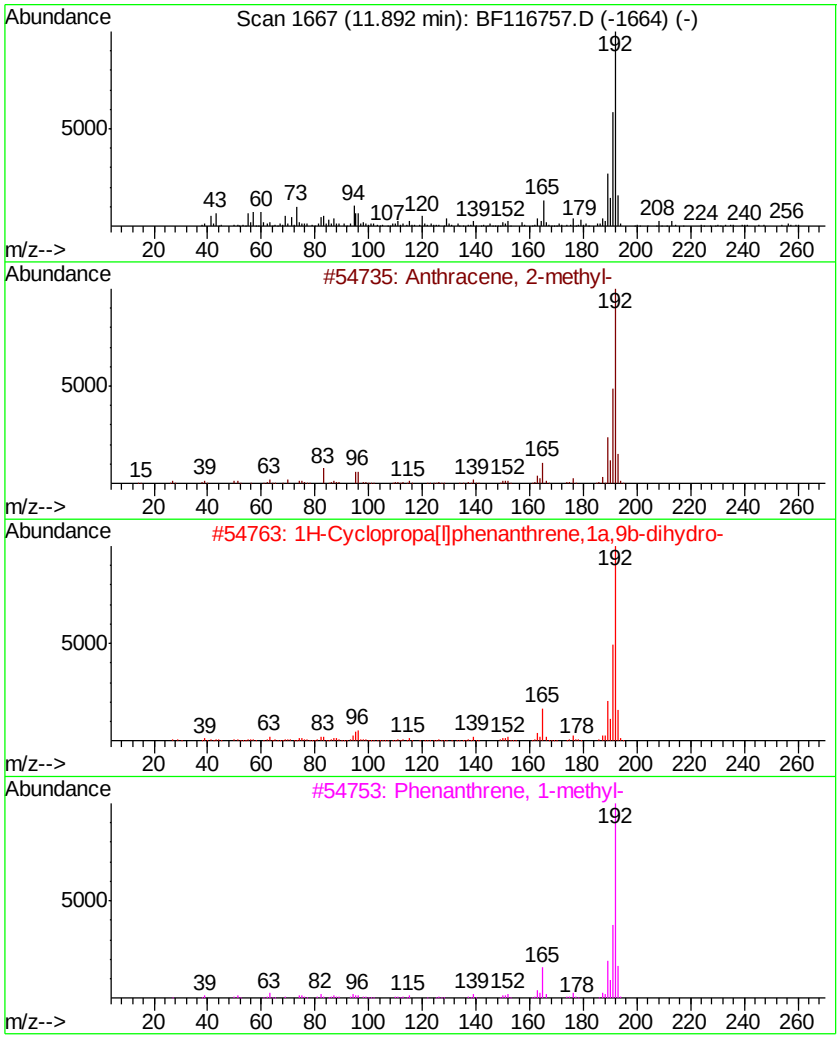
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

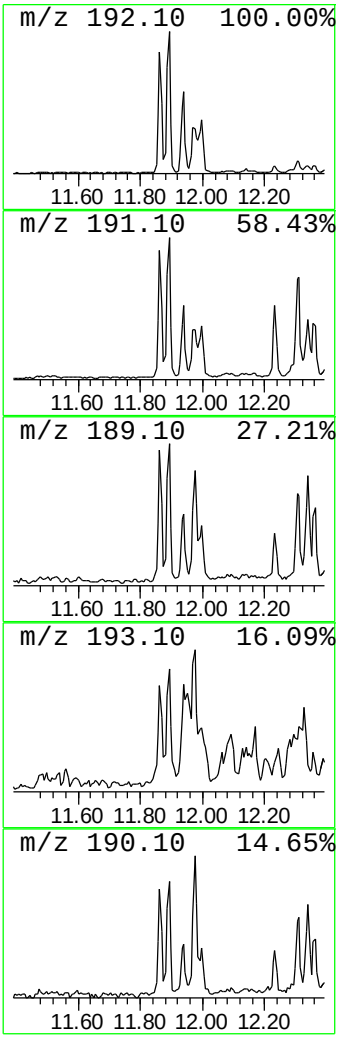
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	9.20 ng	368773	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83





Library Search Compound Report

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

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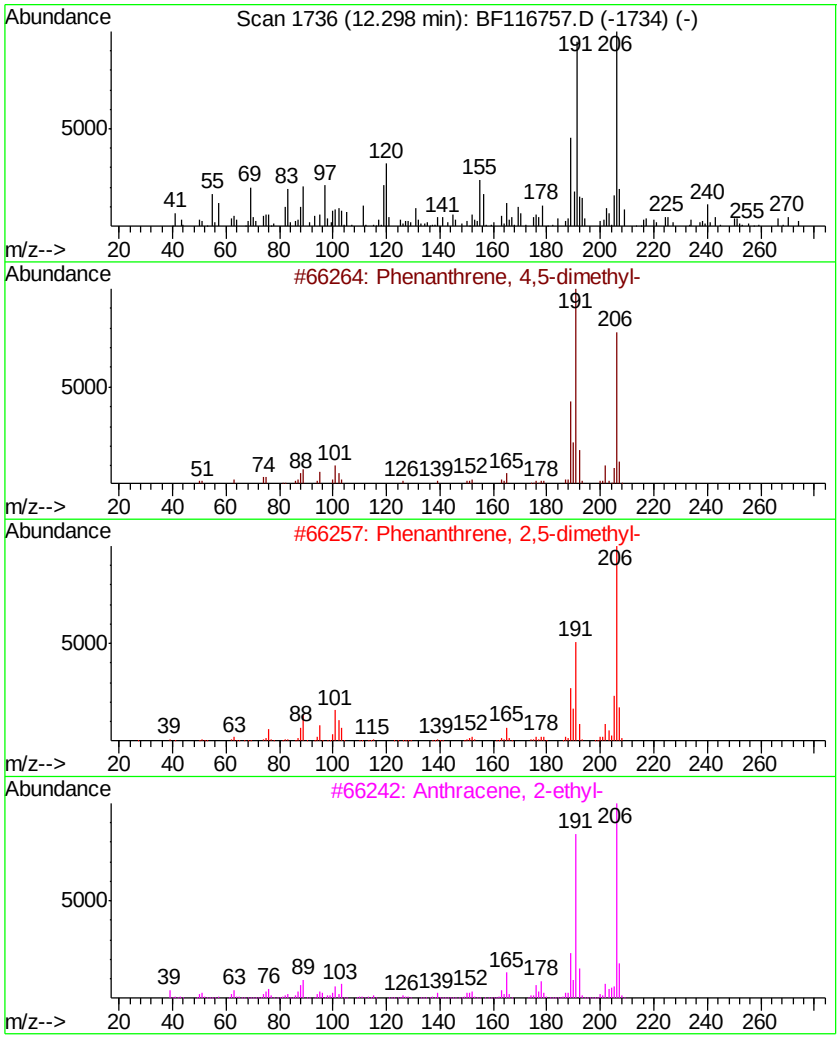
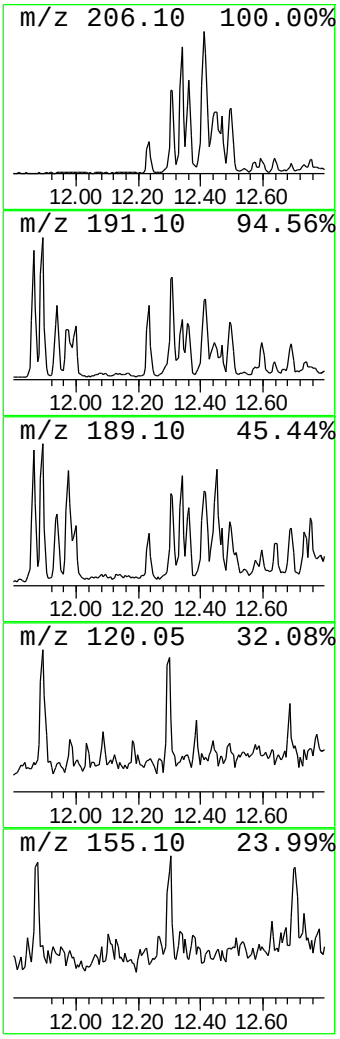
Peak Number 4 Phenanthrene, 4,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	6.48 ng	259428	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	86
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81





Library Search Compound Report

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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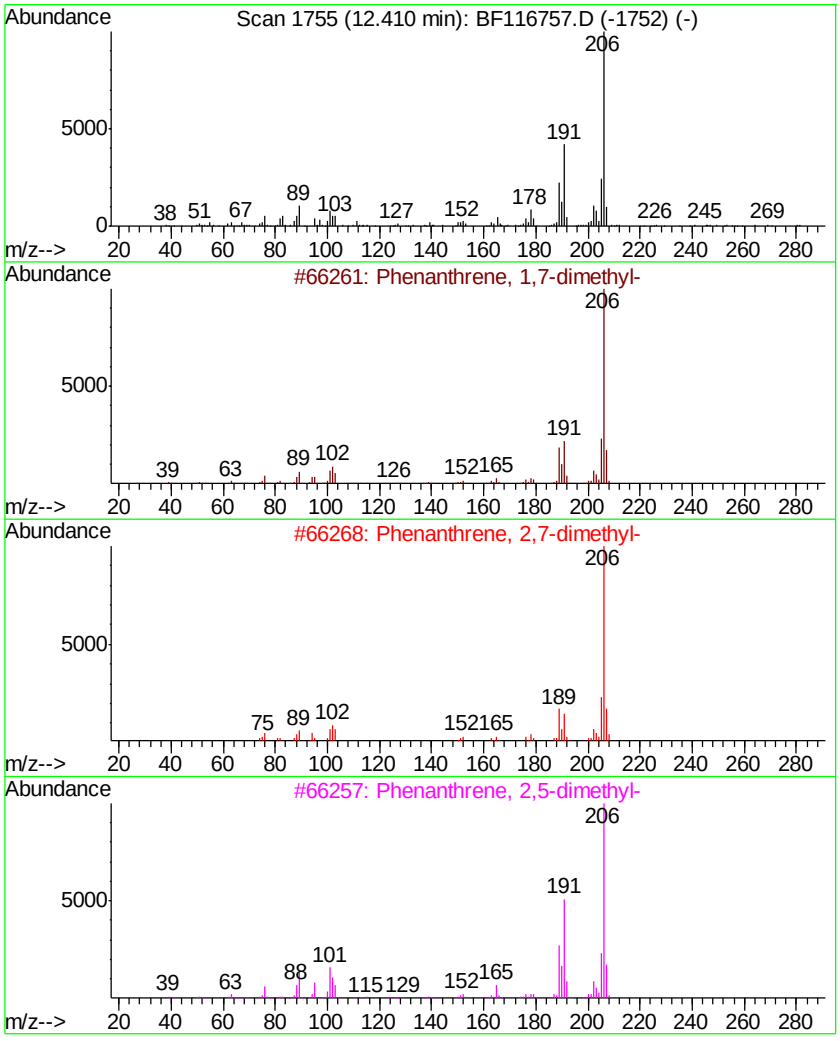
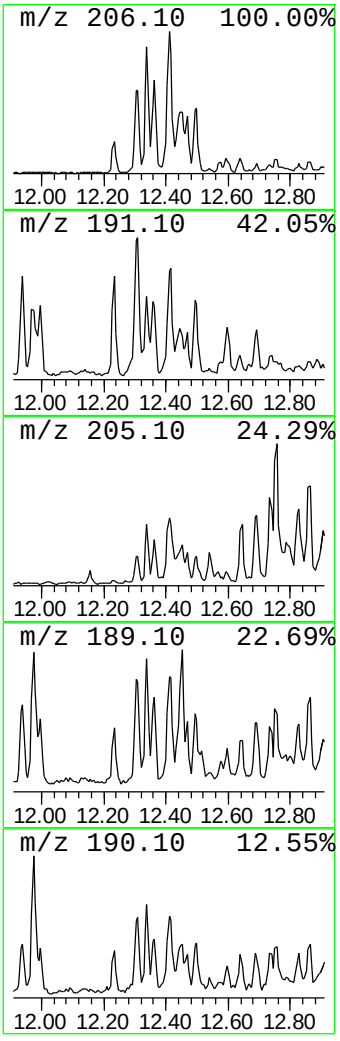
Peak Number 5 Phenanthrene, 1,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	7.84 ng	314135	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116757.D
Acq On : 1 Sep 2019 21:51
Operator : HP/JU
Sample : K4618-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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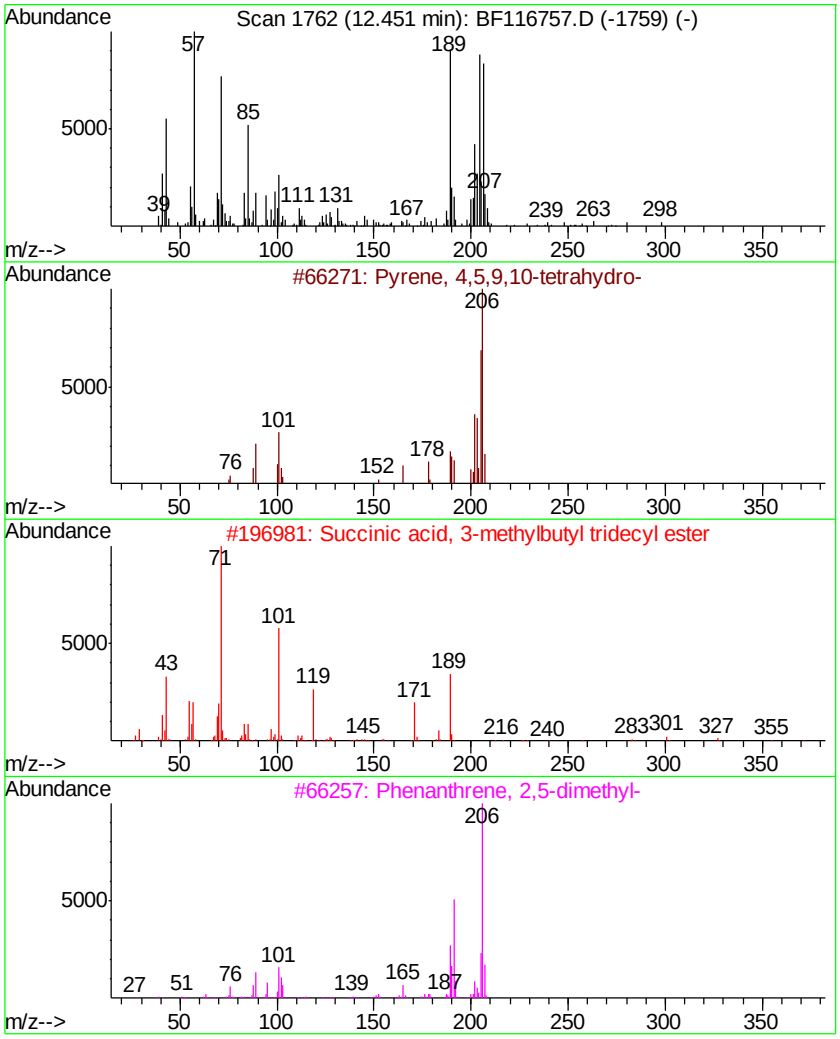
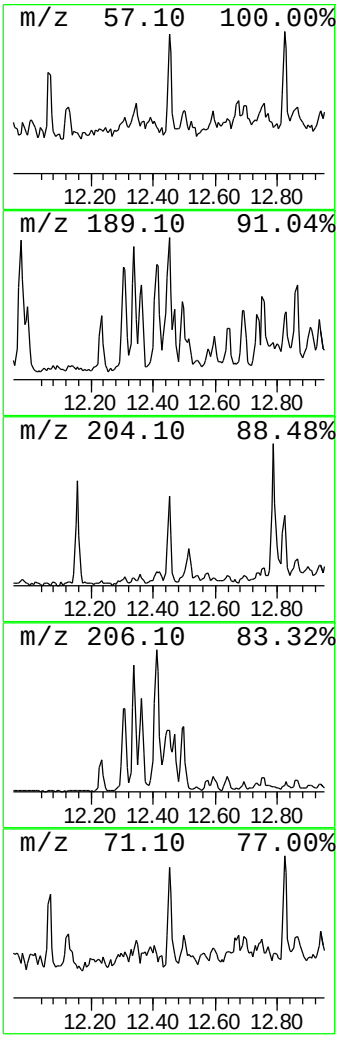
Peak Number 6 unknown12.45 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	7.54 ng	301880	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	25
2	Succinic acid, 3-methylbutyl tri...	370	C22H42O4	1000349-25-3	22
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	20
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	18
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	18





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Acq On : 1 Sep 2019 21:51
Operator : HP/JU
Sample : K4618-05
Misc :
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ClientSampleId : SB-4-18-20

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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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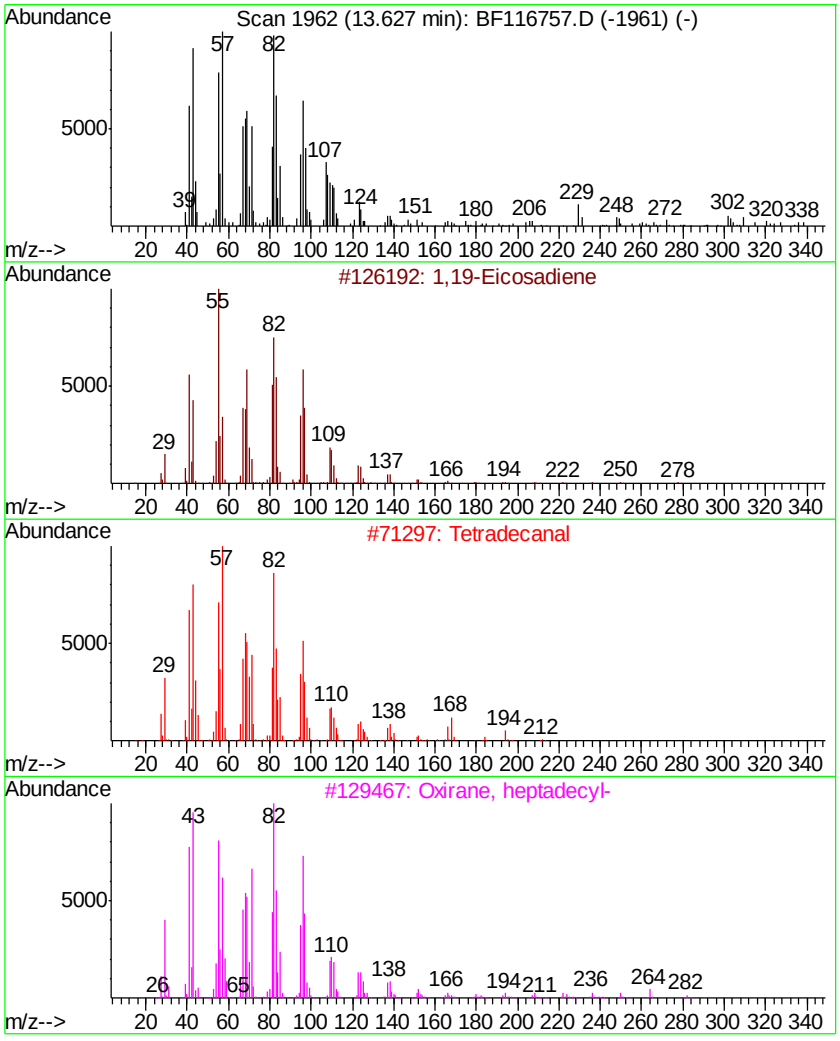
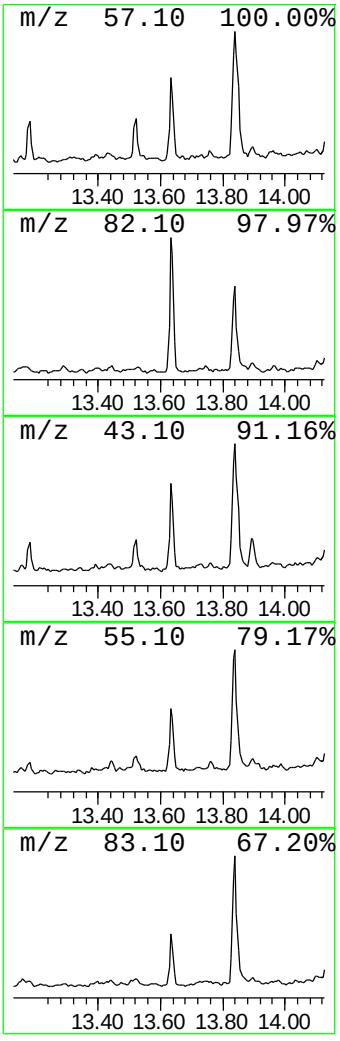
Peak Number 7 1,19-Eicosadiene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	11.19 ng	956371	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,19-Eicosadiene	278	C20H38	014811-95-1	94
2	Tetradecanal	212	C14H28O	000124-25-4	94
3	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	93
4	Octadecanal	268	C18H36O	000638-66-4	91
5	17-Octadecenal	266	C18H34O	056554-86-0	91





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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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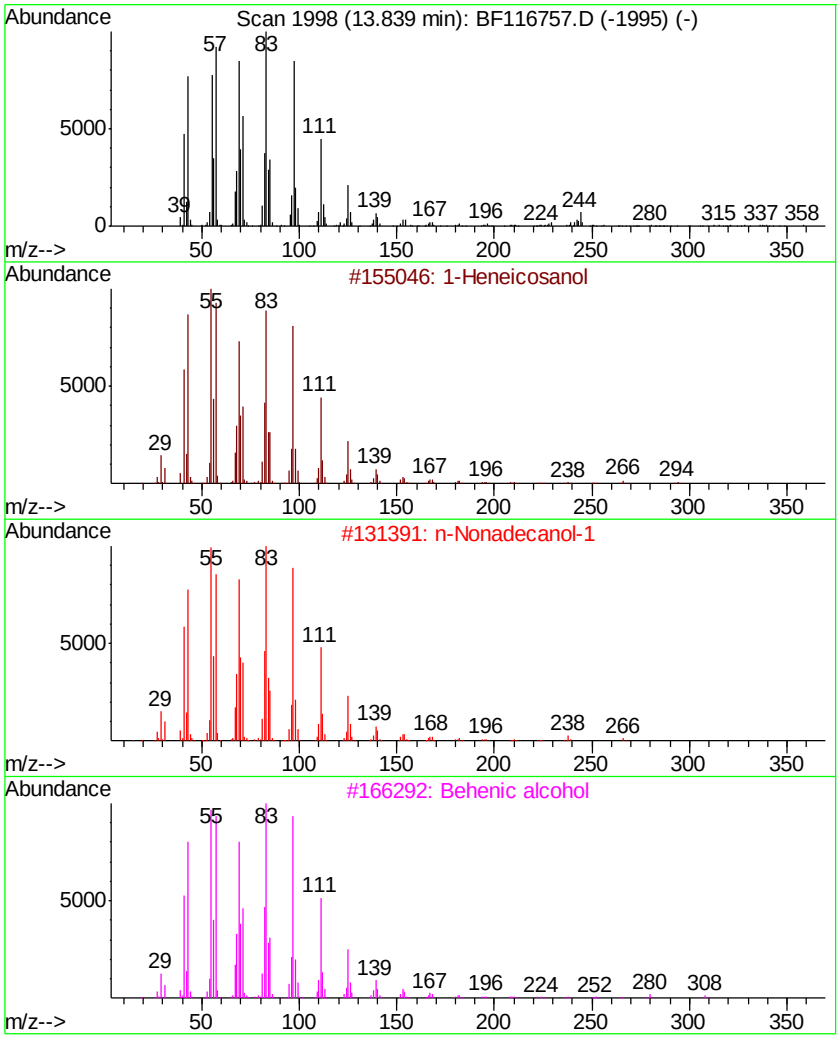
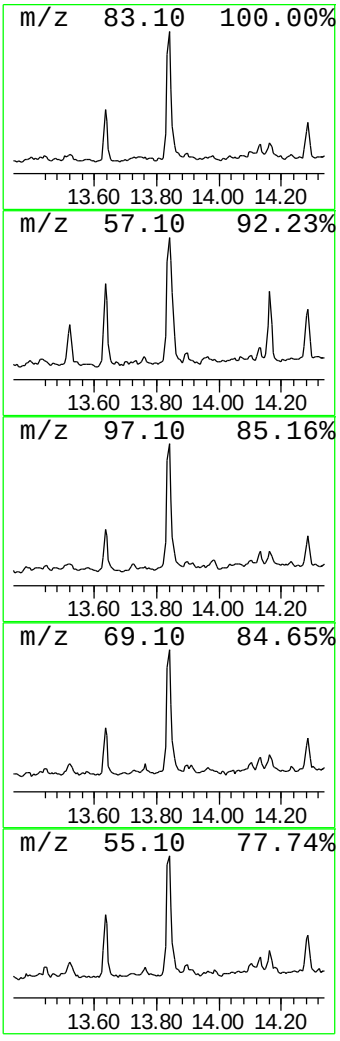
Peak Number 8 1-Heneicosanol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	12.74 ng	1088340	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	94
3	Behenic alcohol	326	C22H46O	000661-19-8	94
4	9-Eicosene, (E)-	280	C20H40	074685-29-3	93
5	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	91





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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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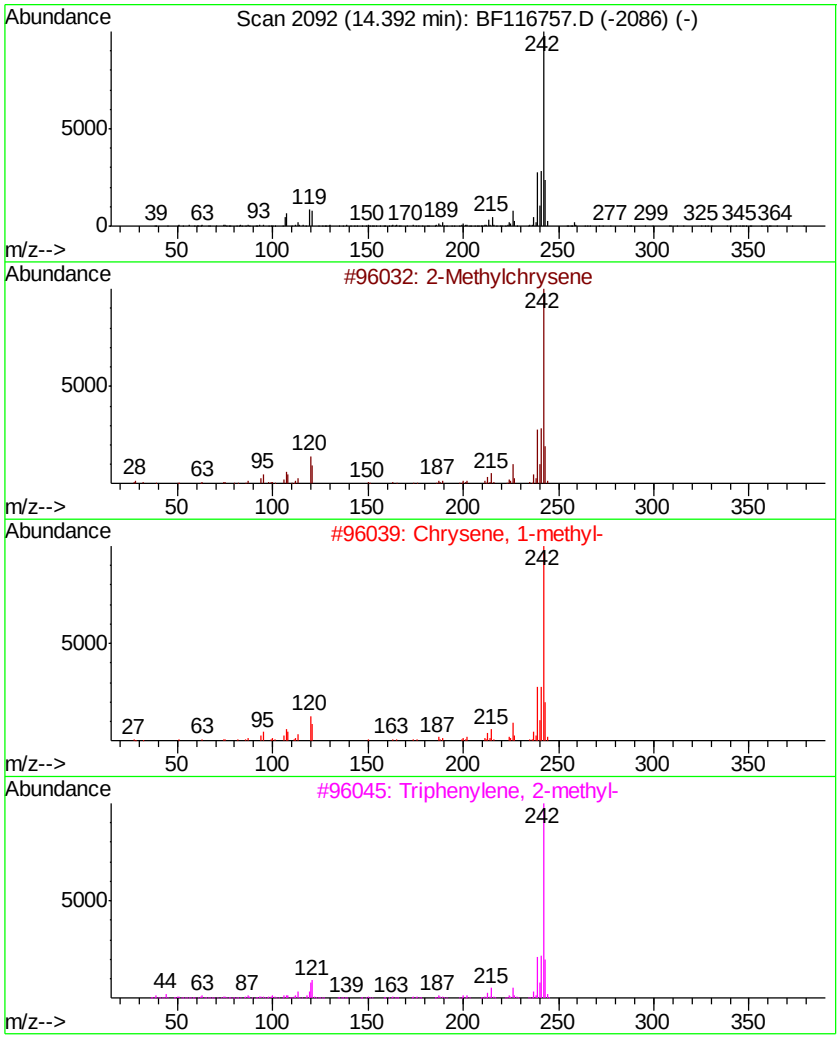
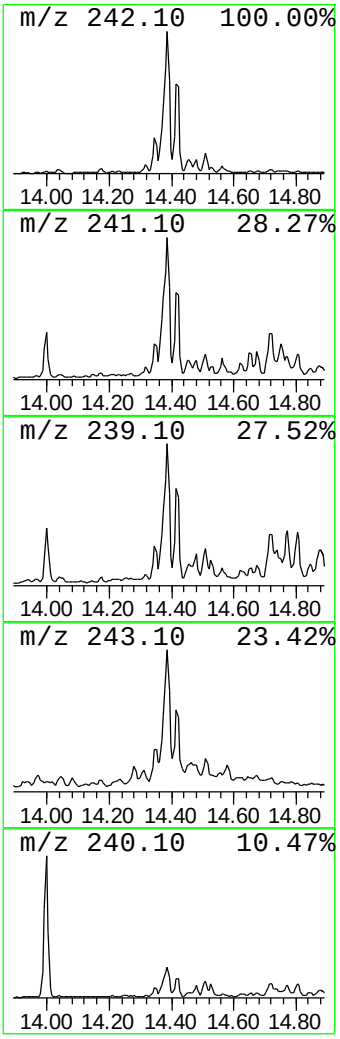
Peak Number 9 2-Methylchrysene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	18.30 ng	1563880	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylchrysene	242	C19H14	003351-32-4	96
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	95
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93





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Instrument : BNA_F
ClientSampleId : SB-4-18-20

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TIC Library : C:\DATABASE\NIST11.L
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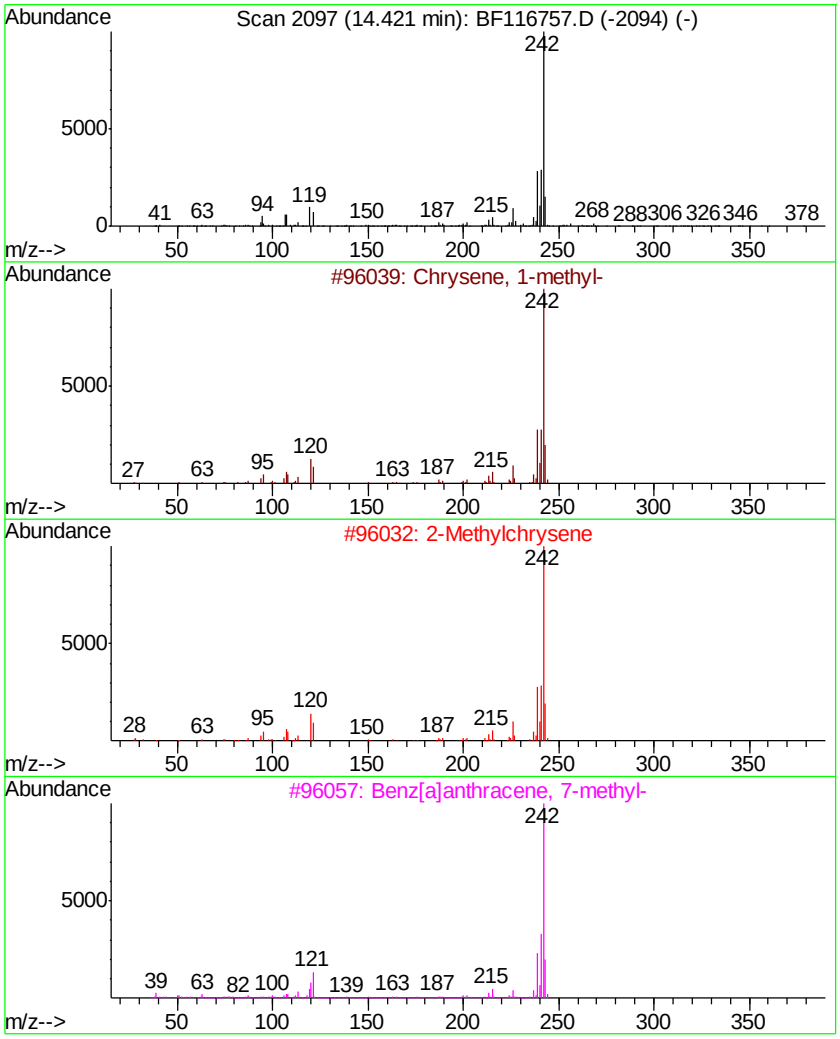
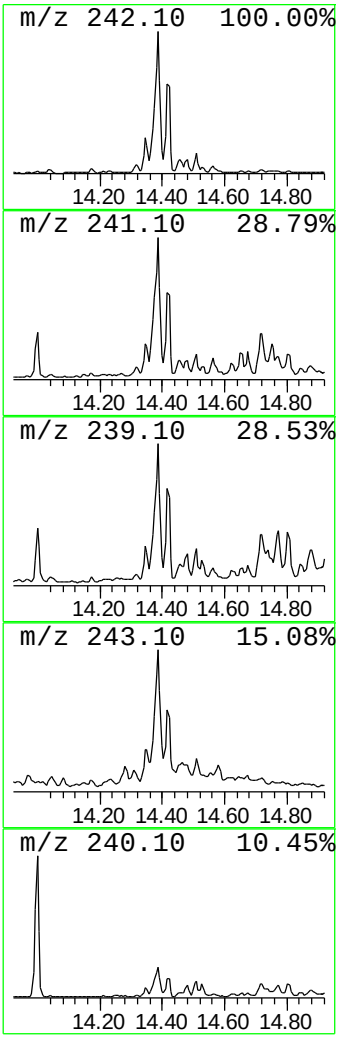
Peak Number 10 Chrysene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	7.61 ng	650604	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
2	2-Methylchrysene	242	C19H14	003351-32-4	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	89
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89





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

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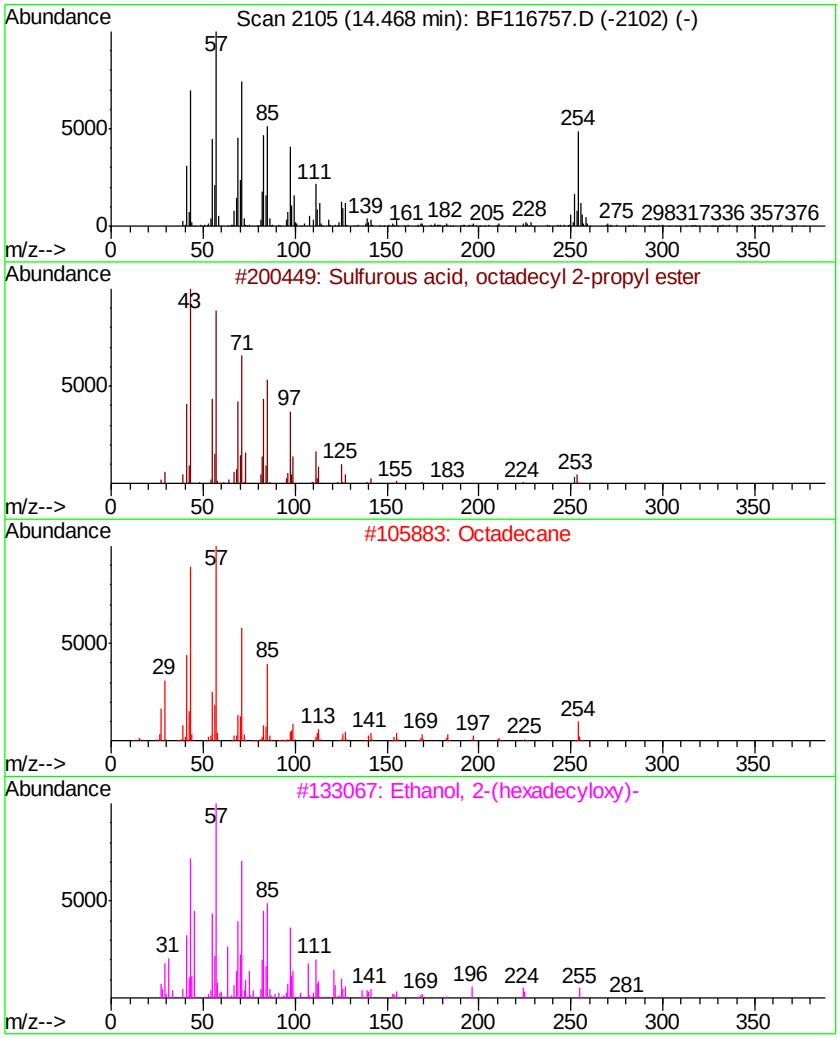
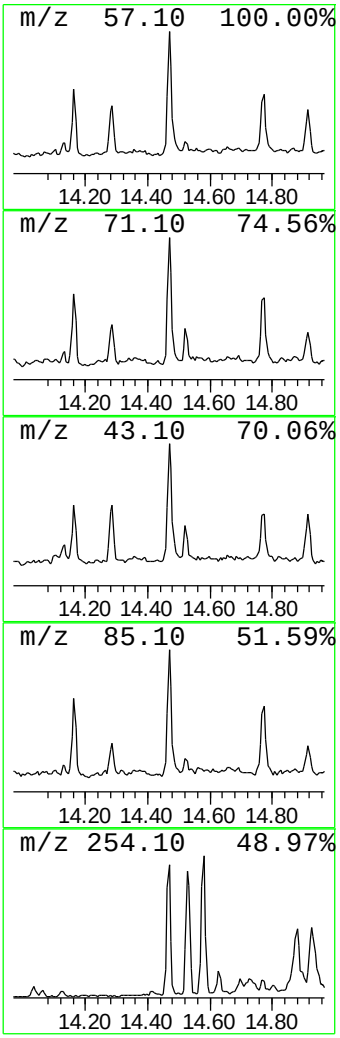
Peak Number 11 Sulfurous acid, octadecyl 2... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	10.68 ng	912814	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	76
2	Octadecane	254	C18H38	000593-45-3	70
3	Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	68
4	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	68
5	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	68





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

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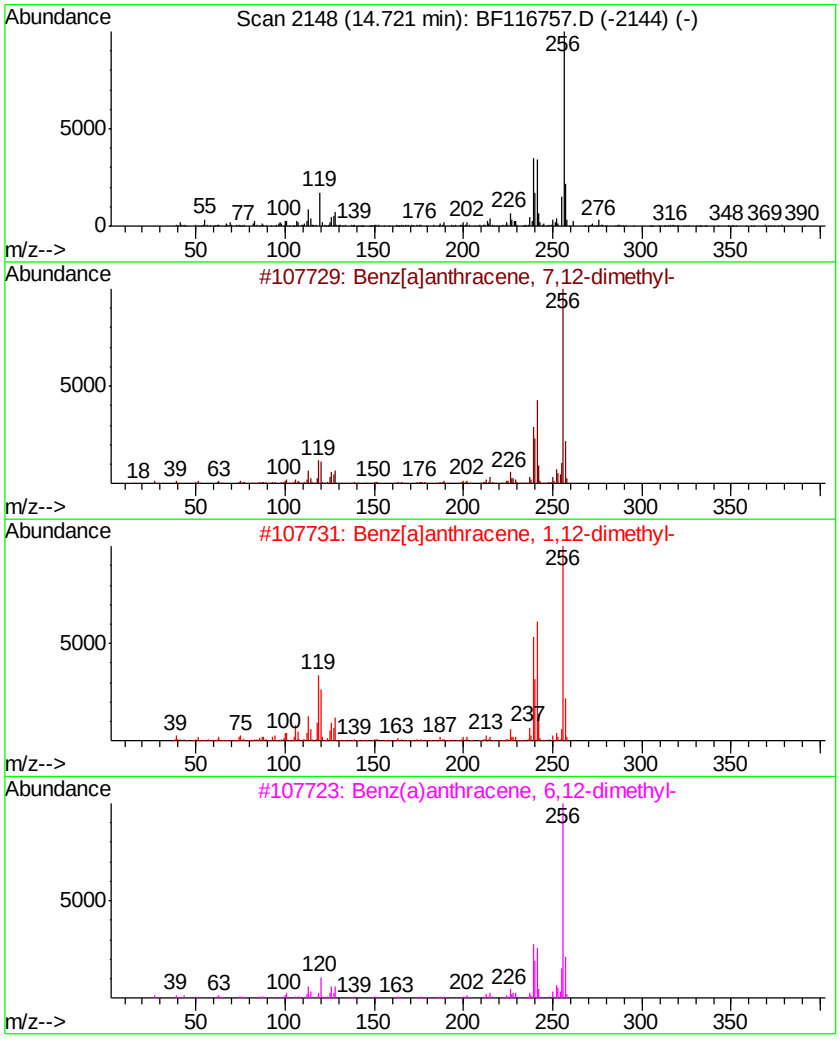
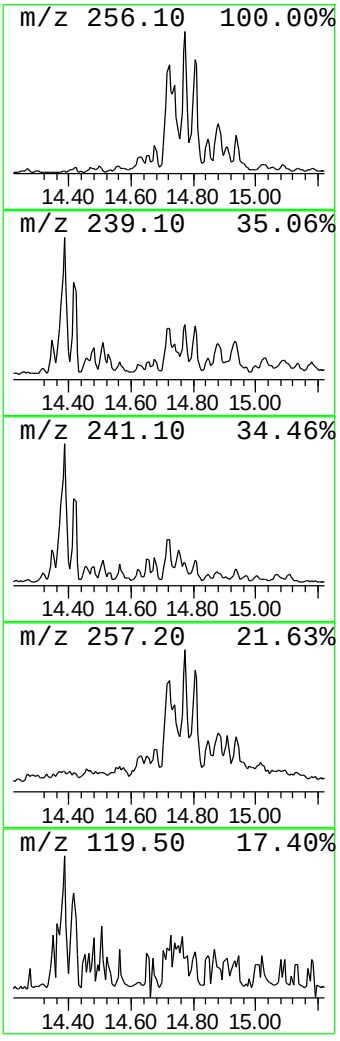
Peak Number 12 Benz[a]anthracene, 7,12-dim... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	8.03 ng	685877	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	95
2	Benz[a]anthracene, 1,12-dimethyl-	256	C20H16	000313-74-6	94
3	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	93
4	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	93
5	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	93





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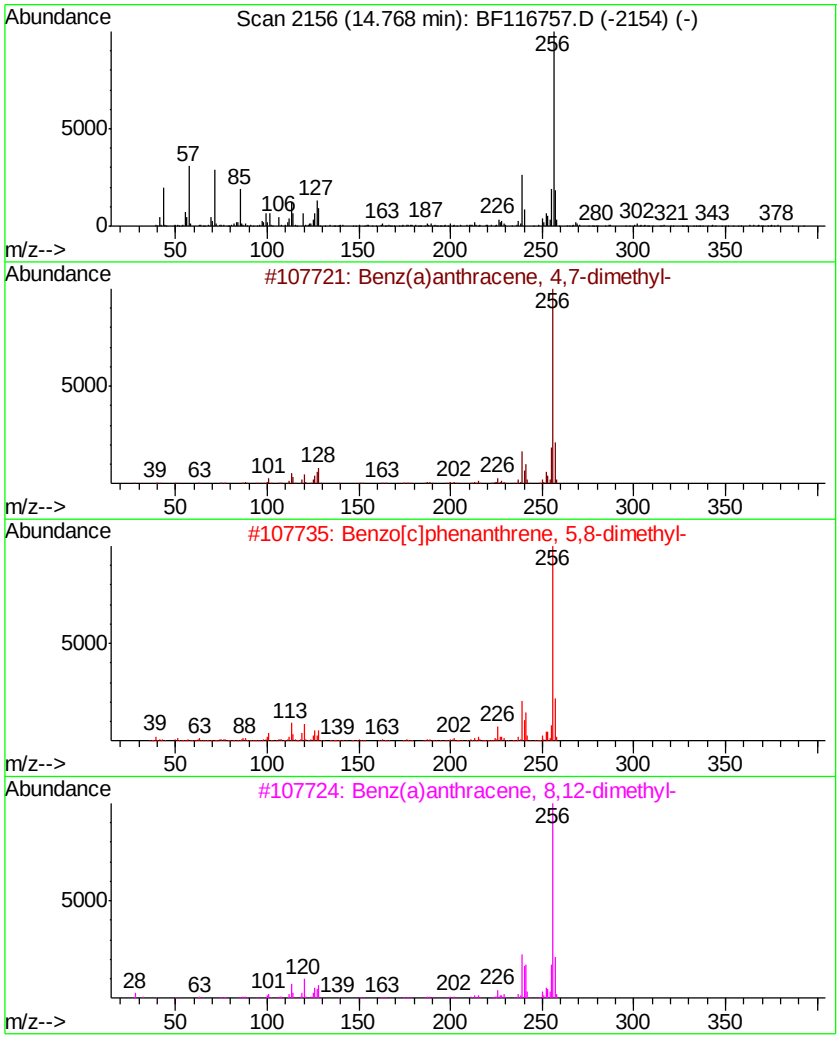
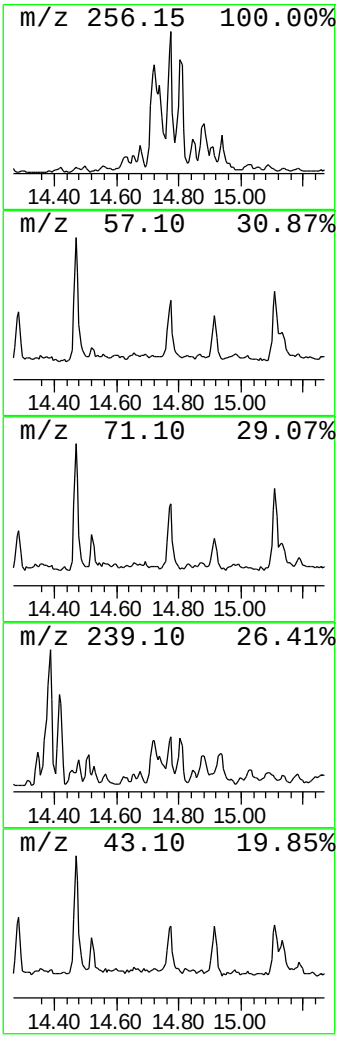
Peak Number 13 Benz(a)anthracene, 4,7-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	30.98 ng	685826	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	96
2	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	94
3	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	93
4	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	93
5	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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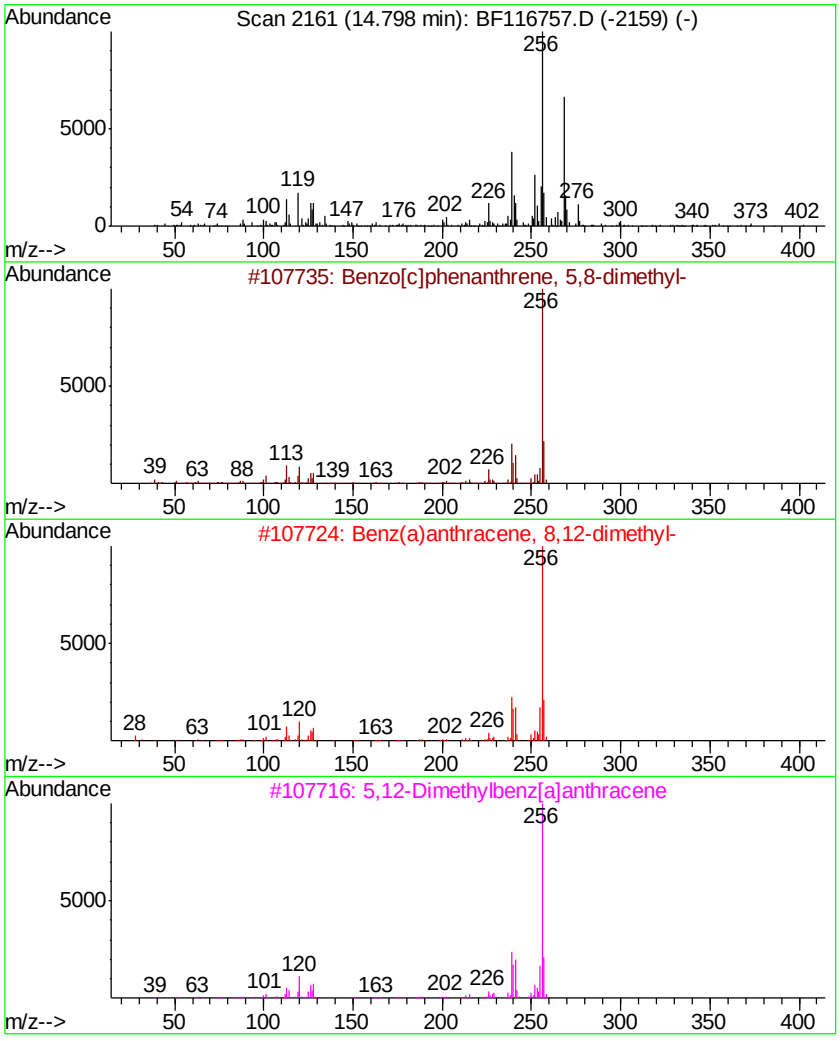
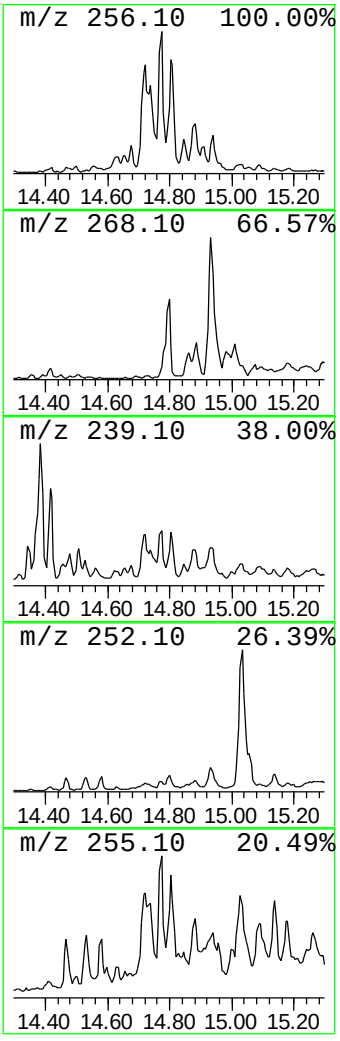
Peak Number 14 Benzo[c]phenanthrene, 5,8-d... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	23.53 ng	520804	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	97
2	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	94
3	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	93
4	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	93
5	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	90





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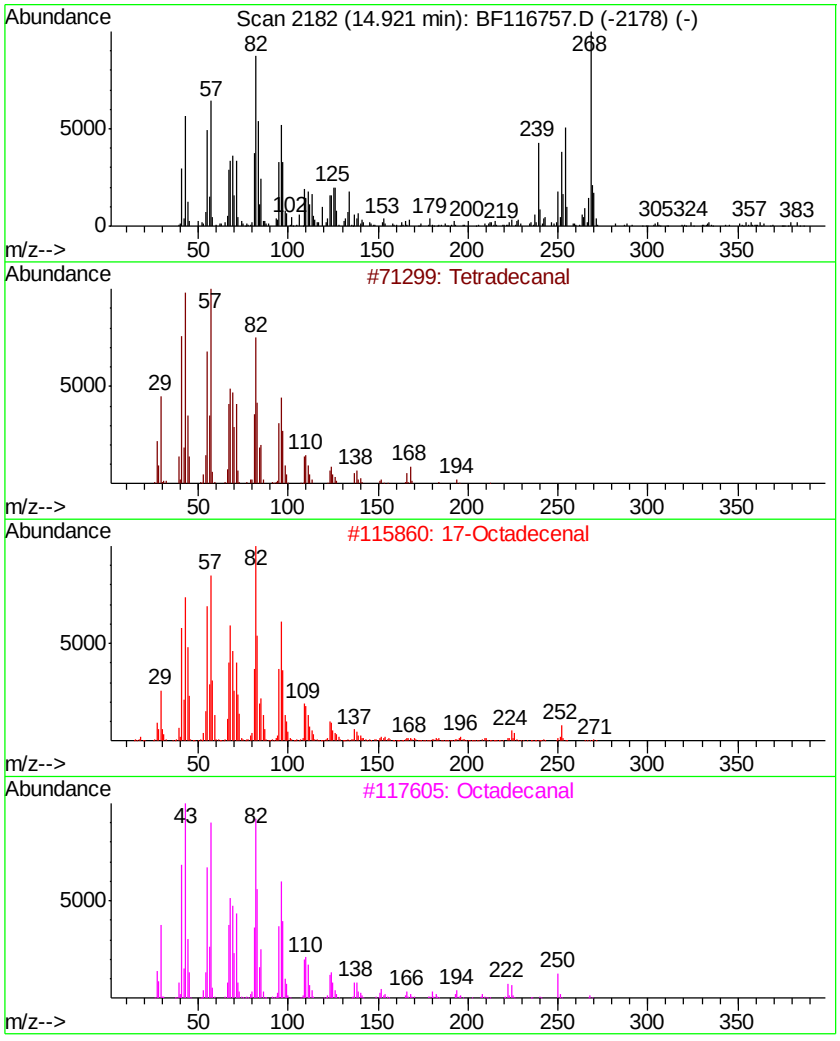
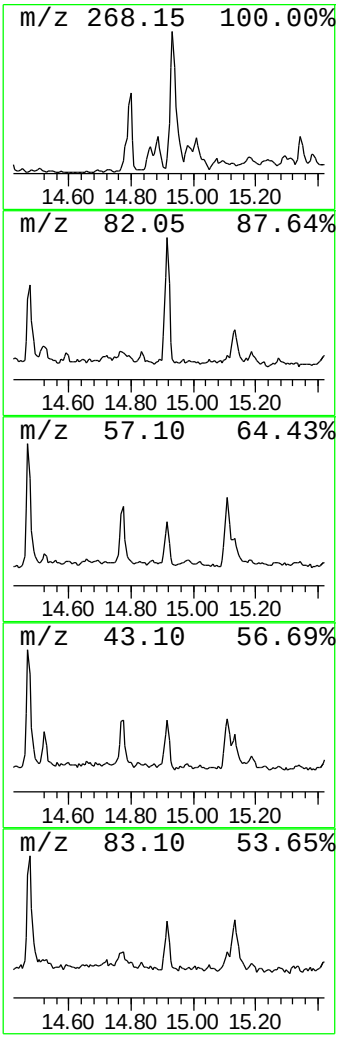
Peak Number 15 Tetradecanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	19.23 ng	425639	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanal	212	C14H28O	000124-25-4	94
2	17-Octadecenal	266	C18H34O	056554-86-0	91
3	Octadecanal	268	C18H36O	000638-66-4	91
4	Hexadecanal	240	C16H32O	000629-80-1	91
5	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	90





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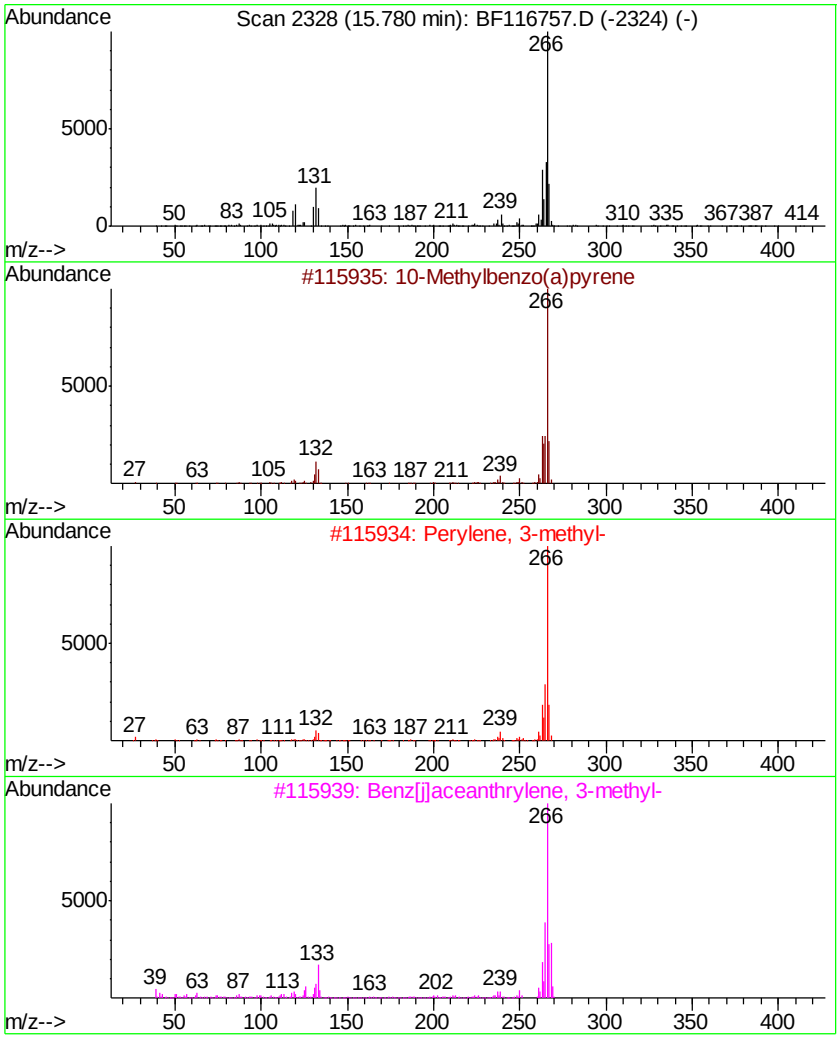
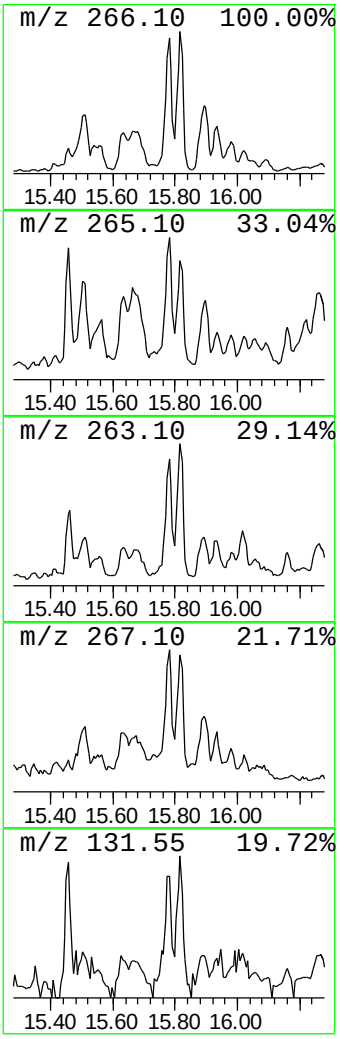
Peak Number 17 10-Methylbenzo(a)pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	22.13 ng	489956	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	95
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	93
3	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	83
4	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	59
5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	58





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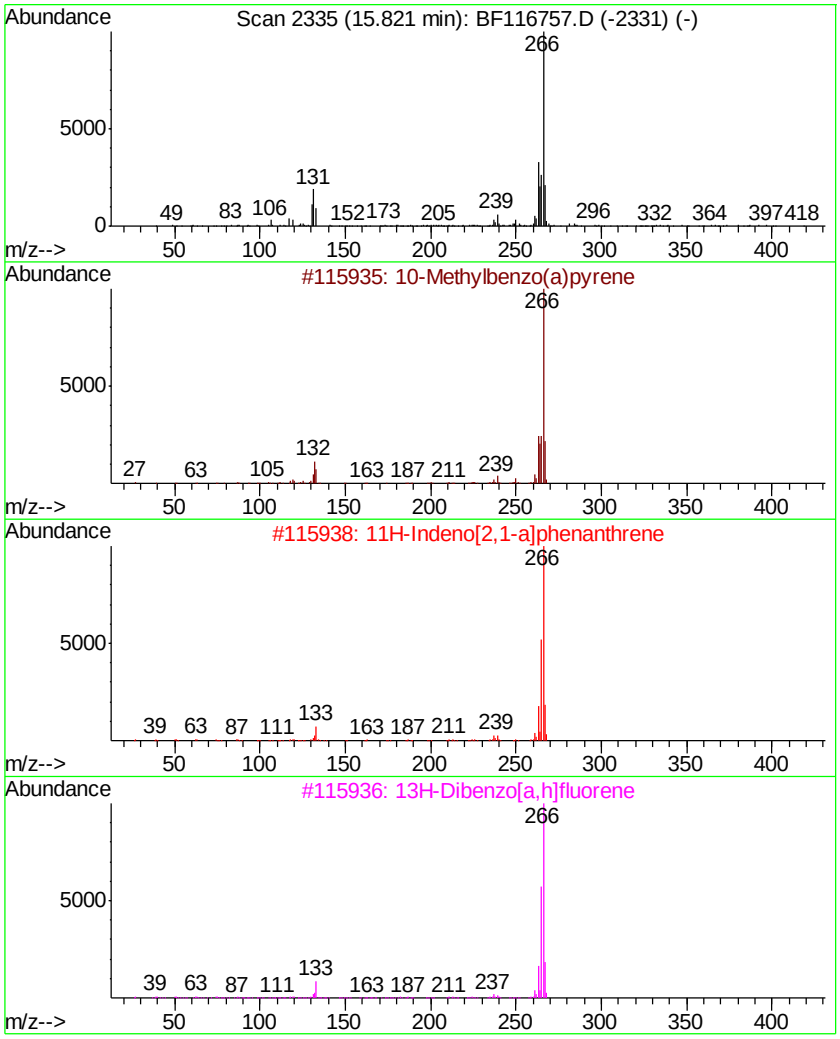
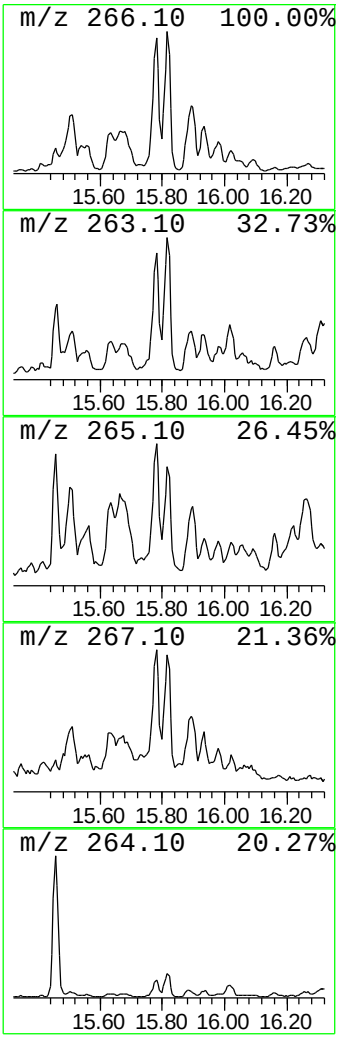
Peak Number 18 11H-Indeno[2,1-a]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	25.70 ng	568881	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	64
2	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	60
3	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	53
4	1,2,3,3a,3b,4,5,6,7,7a,9,10,11,1...	266	C20H26	095676-39-4	53
5	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	50





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

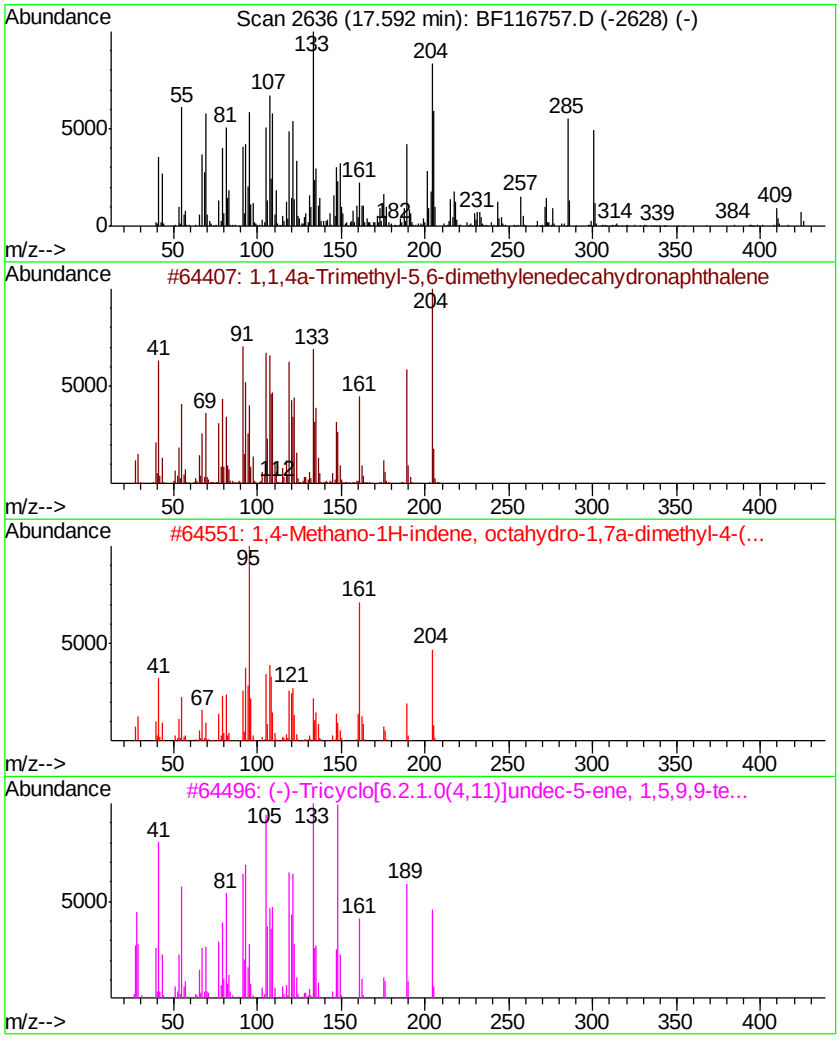
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

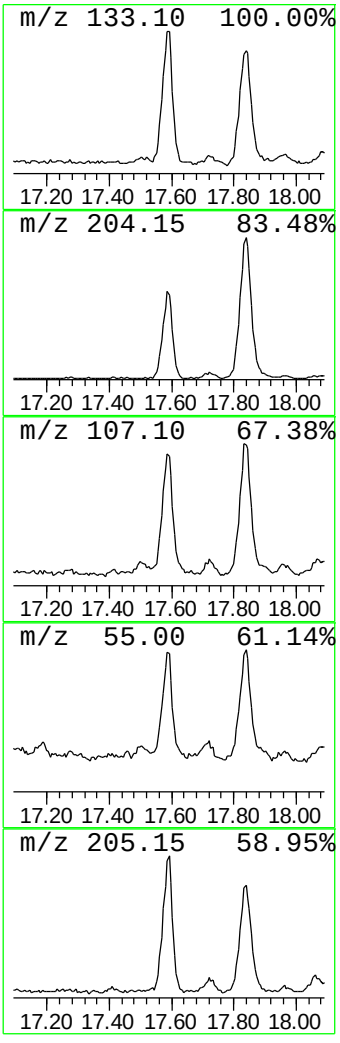
****

Peak Number 19 1,1,4a-Trimethyl-5,6-dimeth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	107.21 ng	2373340	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	55
2	1,4-Methano-1H-indene, octahydro...	204	C15H24	087064-18-4	50
3	(-)-Tricyclo[6.2.1.0(4,11)]undec...	204	C15H24	1000154-06-7	45
4	1H-Cycloprop[e]azulene, 1a,2,3,5...	204	C15H24	021747-46-6	38
5	.beta.-Humulene	204	C15H24	000116-04-1	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116757.D
Acq On : 1 Sep 2019 21:51
Operator : HP/JU
Sample : K4618-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

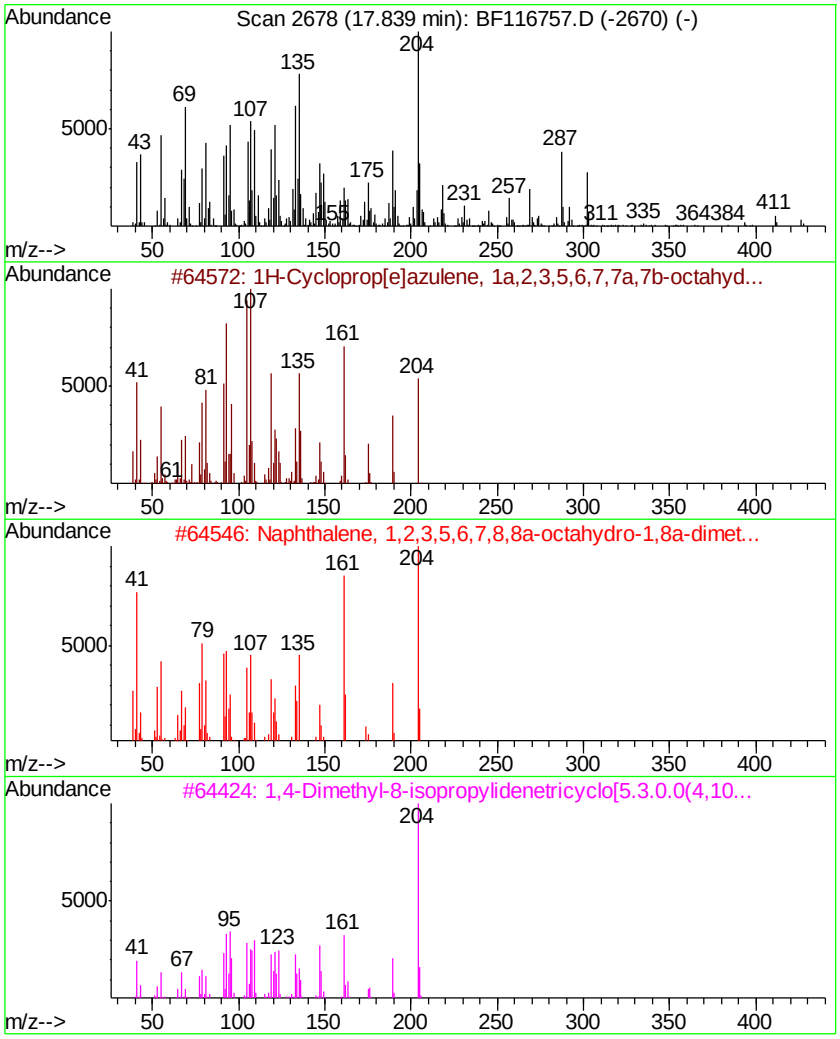
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

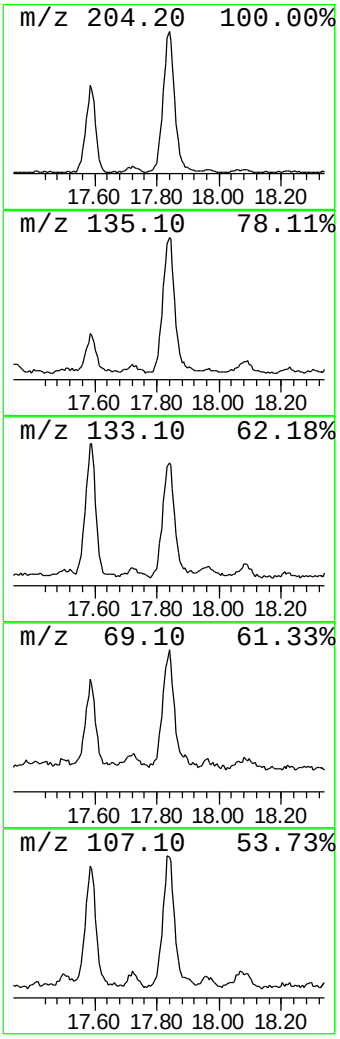
****

Peak Number 20 1H-Cycloprop[e]azulene, 1a,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	137.97 ng	3054280	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cycloprop[e]azulene, 1a,2,3,5...	204	C15H24	021747-46-6	64
2	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	53
3	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	50
4	1H-3a,7-Methanoazulene, 2,3,6,7,...	204	C15H24	000560-32-7	46
5	4,6,6-Trimethyl-2-(3-methylbuta-...	218	C15H22O	1000190-22-2	44





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090119\
Data File : BF116757.D
Acq On : 1 Sep 2019 21:51
Operator : HP/JU
Sample : K4618-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-4-18-20

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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
unknown6.62	6.62	95.8	ng	1816670	1	6.85	379430	20.0
Anthracene, 2-met...	11.89	9.2	ng	368773	4	11.36	801256	20.0
Phenanthrene, 4,5...	12.30	6.5	ng	259428	4	11.36	801256	20.0
Phenanthrene, 1,7...	12.41	7.8	ng	314135	4	11.36	801256	20.0
unknown12.45	12.45	7.5	ng	301880	4	11.36	801256	20.0
1,19-Eicosadiene	13.63	11.2	ng	956371	5	14.00	1708800	20.0
1-Heneicosanol	13.84	12.7	ng	1088340	5	14.00	1708800	20.0
2-Methylchrysene	14.39	18.3	ng	1563880	5	14.00	1708800	20.0
Chrysene, 1-methyl-	14.42	7.6	ng	650604	5	14.00	1708800	20.0
Sulfurous acid, o...	14.47	10.7	ng	912814	5	14.00	1708800	20.0
Benz[a]anthracene...	14.72	8.0	ng	685877	5	14.00	1708800	20.0
Benz(a)anthracene...	14.77	31.0	ng	685826	6	15.46	442738	20.0
Benzo[c]phenanthr...	14.80	23.5	ng	520804	6	15.46	442738	20.0
Tetradecanal	14.92	19.2	ng	425639	6	15.46	442738	20.0
10-Methylbenzo(a)...	15.78	22.1	ng	489956	6	15.46	442738	20.0
11H-Indeno[2,1-a]...	15.82	25.7	ng	568881	6	15.46	442738	20.0
1,1,4a-Trimethyl-...	17.59	107.2	ng	2373340	6	15.46	442738	20.0
1H-Cycloprop[e]az...	17.84	138.0	ng	3054280	6	15.46	442738	20.0