LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107177.D
Acq On : 6 Jul 2018 17:14
Operator : JU/SJ
Sample : J3864-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-108-6A(3-8)

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-BF061918.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	5.184	480	484	498	rBV	161872	205145	14.02%	0.723%
2	5.590	549	553	571	rBV	1171074	1205711	82.41%	4.251%
3	6.590	719	723	739	rBV	1130584	1312610	89.72%	4.628%
4	6.725	741	746	749	rBV	1322495	1243625	85.00%	4.385%
5	6.942	780	783	787	rBV	454367	369200	25.24%	1.302%
6	7.101	806	810	813	rBV	1115360	979122	66.93%	3.452%
7	7.513	875	880	883	rBV	904406	839142	57.36%	2.959%
8	8.225	997	1001	1012	rBV	483777	520458	35.57%	1.835%
9	9.301	1179	1184	1187	rBV	1526076	1337266	91.40%	4.715%
10	9.695	1247	1251	1258	rVB	309669	284407	19.44%	1.003%
11	9.989	1297	1301	1304	rBV	550872	521313	35.63%	1.838%
12	10.019	1304	1306	1309	rVB	127902	94306	6.45%	0.333%
13	10.189	1331	1335	1338	rBV	44105	43512	2.97%	0.153%
14	10.536	1390	1394	1399	rVB	66519	56672	3.87%	0.200%
15	10.783	1432	1436	1442	rBV	927775	867492	59.29%	3.059%
16	11.377	1534	1537	1543	rVB	46684	40266	2.75%	0.142%
17	11.483	1551	1555	1557	rBV	503747	531273	36.31%	1.873%
18	11.507	1557	1559	1562	rVV	689121	520218	35.56%	1.834%
19	11.554	1562	1567	1571	rVV	209594	210571	14.39%	0.742%
20	11.595	1571	1574	1578	rVB	45300	44384	3.03%	0.156%
21	11.713	1589	1594	1598	rBV2	90397	102353	7.00%	0.361%
22	11.977	1636	1639	1642	rVV	74707	74678	5.10%	0.263%
23	12.013	1642	1645	1648	rVB	119841	106619	7.29%	0.376%
24	12.060	1648	1653	1656	rBV	64045	58773	4.02%	0.207%
25	12.095	1656	1659	1662	rBV	131780	158758	10.85%	0.560%
26	12.272	1686	1689	1693	rVB	58532	54780	3.74%	0.193%
27	12.424	1708	1715	1718	rVV4	30204	37496	2.56%	0.132%
28	12.483	1722	1725	1727	rVV	35851	32564	2.23%	0.115%
29	12.530	1730	1733	1737	rVV2	66072	82146	5.61%	0.290%
30	12.572	1737	1740	1742	rVV	42948	49099	3.36%	0.173%
31	12.630	1745	1750	1753	rVB4	35294	55087	3.77%	0.194%
32	12.701	1758	1762	1765	rBV	924224	801156	54.76%	2.825%
33	12.854	1782	1788	1790	rBV2	44397	59137	4.04%	0.209%
34	12.913	1794	1798	1799	rBV2	270510	255624	17.47%	0.901%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
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Acq On : 6 Jul 2018 17:14
Operator : JU/SJ
Sample : J3864-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-108-6A(3-8)

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.930	1799	1801	1807	rVV	723144	760343	51.97%	2.681%
36	12.977	1807	1809	1816	rVB3	65375	67858	4.64%	0.239%
37	13.066	1816	1824	1826	rBV	1104364	1132472	77.41%	3.993%
38	13.095	1826	1829	1833	rVB	96953	89736	6.13%	0.316%
39	13.148	1833	1838	1842	rBV2	72604	121470	8.30%	0.428%
40	13.183	1842	1844	1846	rBV	32362	32324	2.21%	0.114%
41	13.236	1849	1853	1854	rBV2	73820	90966	6.22%	0.321%
42	13.260	1854	1857	1860	rVB	175423	167083	11.42%	0.589%
43	13.324	1865	1868	1870	rBV	157547	128877	8.81%	0.454%
44	13.360	1870	1874	1877	rVV2	106324	142917	9.77%	0.504%
45	13.389	1877	1879	1881	rVB	36846	31770	2.17%	0.112%
46	13.413	1881	1883	1886	rVB	36148	32985	2.25%	0.116%
47	13.454	1887	1890	1893	rBV	59692	60752	4.15%	0.214%
48	13.489	1893	1896	1899	rBV2	67379	60792	4.16%	0.214%
49	13.607	1914	1916	1919	rBV	60815	58240	3.98%	0.205%
50	13.654	1919	1924	1926	rBV5	33132	48875	3.34%	0.172%
51	13.677	1926	1928	1931	rVB	42244	39603	2.71%	0.140%
52	13.742	1935	1939	1941	rBV2	45288	57256	3.91%	0.202%
53	13.771	1941	1944	1948	rVV	75363	64017	4.38%	0.226%
54	13.883	1957	1963	1964	rBV	111732	120326	8.22%	0.424%
55	13.907	1964	1967	1969	rVV	141503	130782	8.94%	0.461%
56	13.936	1969	1972	1978	rVV4	132707	222523	15.21%	0.785%
57	13.983	1978	1980	1983	rVB	65148	52925	3.62%	0.187%
58	14.048	1986	1991	1994	rBV	48749	96525	6.60%	0.340%
59	14.130	1998	2005	2008	rVV2	893212	1463012	100.00%	5.158%
60	14.166	2008	2011	2014	rVV	748599	729252	49.85%	2.571%
61	14.242	2021	2024	2029	rVV	230531	236055	16.13%	0.832%
62	14.289	2029	2032	2034	rVV	72068	85196	5.82%	0.300%
63	14.330	2037	2039	2041	rVV	86590	78502	5.37%	0.277%
64	14.366	2041	2045	2048	rVV2	137729	166064	11.35%	0.586%
65	14.454	2058	2060	2063	rVV2	38935	46273	3.16%	0.163%
66	14.489	2063	2066	2068	rVV	103329	118749	8.12%	0.419%
67	14.524	2068	2072	2075	rVV	251391	301227	20.59%	1.062%
68	14.560	2075	2078	2082	rVV2	132940	178870	12.23%	0.631%
69	14.601	2083	2085	2087	rVV3	77866	90908	6.21%	0.321%
70	14.624	2087	2089	2092	rVV2	133064	148584	10.16%	0.524%
71	14.654	2092	2094	2096	rVV	134034	141758	9.69%	0.500%

LSC Area Percent Report

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Acq On : 6 Jul 2018 17:14
Operator : JU/SJ
Sample : J3864-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-108-6A(3-8)

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.677	2096	2098	2101	rVV2	137861	143077	9.78%	0.504%
73	14.742	2102	2109	2112	rVB3	389447	486759	33.27%	1.716%
74	14.860	2125	2129	2131	rBV2	67703	89175	6.10%	0.314%
75	14.883	2131	2133	2138	rVV4	72952	91005	6.22%	0.321%
76	14.930	2138	2141	2142	rVV2	33317	37284	2.55%	0.131%
77	14.965	2144	2147	2151	rVB	182607	192840	13.18%	0.680%
78	15.048	2157	2161	2164	rBV	104075	122794	8.39%	0.433%
79	15.101	2168	2170	2175	rVB4	30842	41675	2.85%	0.147%
80	15.160	2178	2180	2184	rVB	36733	37961	2.59%	0.134%
81	15.224	2185	2191	2194	rBV	727098	1288085	88.04%	4.541%
82	15.330	2206	2209	2213	rVB	230061	251486	17.19%	0.887%
83	15.424	2221	2225	2226	rBV2	69869	90458	6.18%	0.319%
84	15.477	2231	2234	2239	rVV3	86672	178064	12.17%	0.628%
85	15.542	2241	2245	2252	rVV	438363	643603	43.99%	2.269%
86	15.612	2252	2257	2264	rVV	701646	1002656	68.53%	3.535%
87	15.677	2264	2268	2271	rVV	301365	406017	27.75%	1.432%
88	15.707	2271	2273	2279	rVB2	224644	307569	21.02%	1.084%
89	15.854	2295	2298	2301	rBV2	44860	69195	4.73%	0.244%
90	16.048	2329	2331	2341	rVB4	37648	86672	5.92%	0.306%
91	16.183	2351	2354	2358	rVB	34656	47300	3.23%	0.167%
92	16.277	2366	2370	2374	rVB2	44851	63394	4.33%	0.224%
93	17.071	2503	2505	2510	rVB	34437	50605	3.46%	0.178%
94	17.183	2522	2524	2529	rVB3	24195	32337	2.21%	0.114%
95	17.259	2529	2537	2543	rVB	330049	676418	46.23%	2.385%
96	17.324	2545	2548	2558	rVB	37296	78503	5.37%	0.277%
97	17.436	2560	2567	2573	rBV	99927	231801	15.84%	0.817%
98	17.495	2573	2577	2584	rBV2	57330	119152	8.14%	0.420%
99	17.742	2611	2619	2629	rBV	200674	482681	32.99%	1.702%
100	18.001	2656	2663	2676	rVB2	96801	263231	17.99%	0.928%

Sum of corrected areas: 28362627

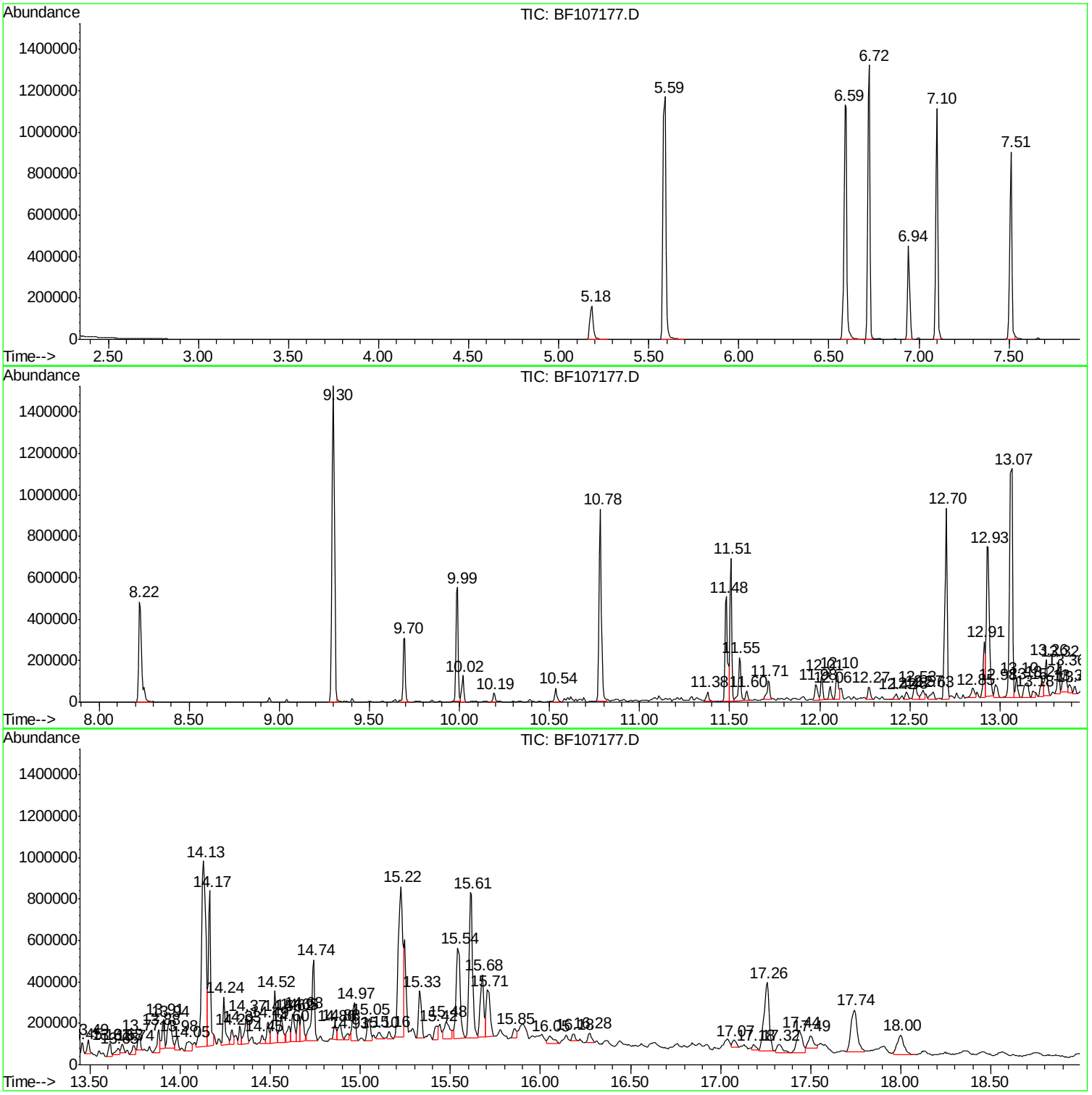
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107177.D
Acq On : 6 Jul 2018 17:14
Operator : JU/SJ
Sample : J3864-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-108-6A(3-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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\BF070618\
Data File : BF107177.D
Acq On : 6 Jul 2018 17:14
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Instrument : BNA_F
ClientSampleId : EPE-108-6A(3-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

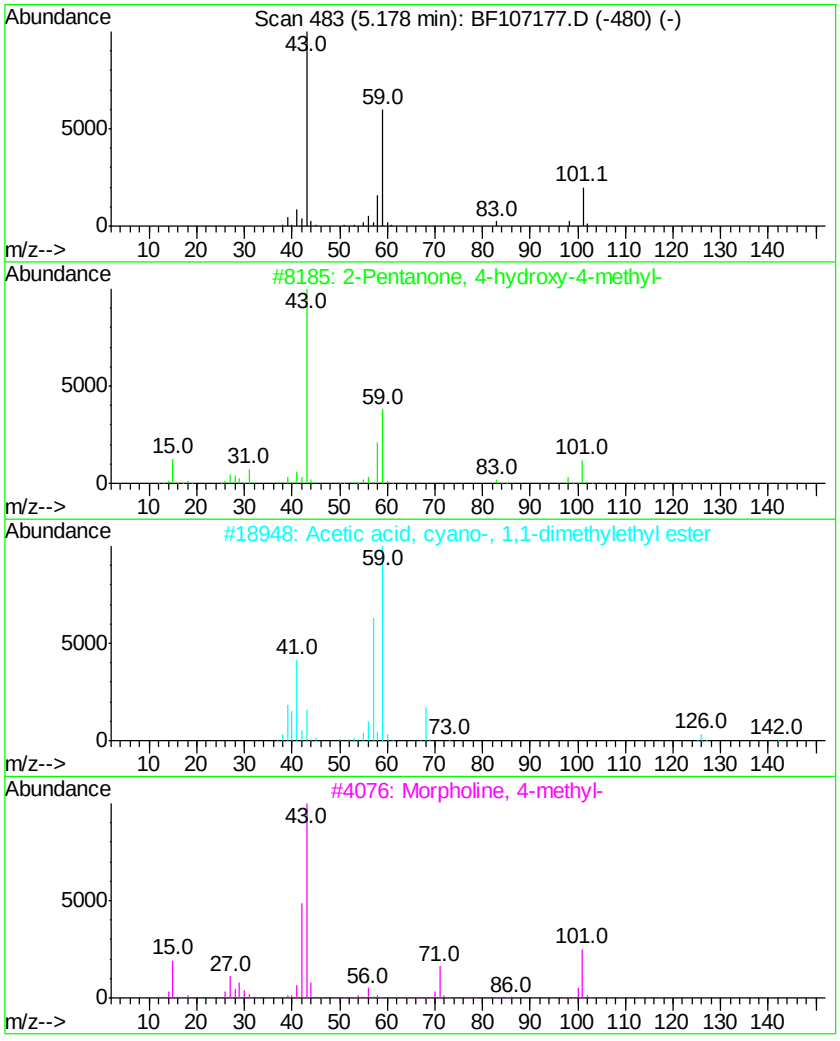
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

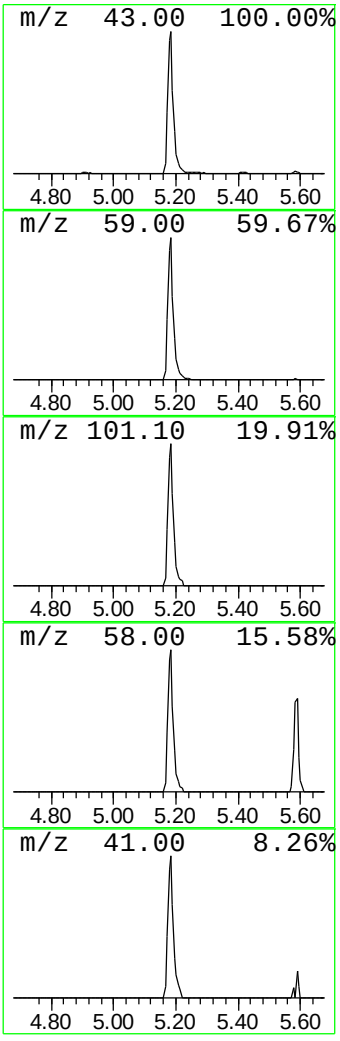
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	11.11 ng	205145	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107177.D
Acq On : 6 Jul 2018 17:14
Operator : JU/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : EPE-108-6A(3-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

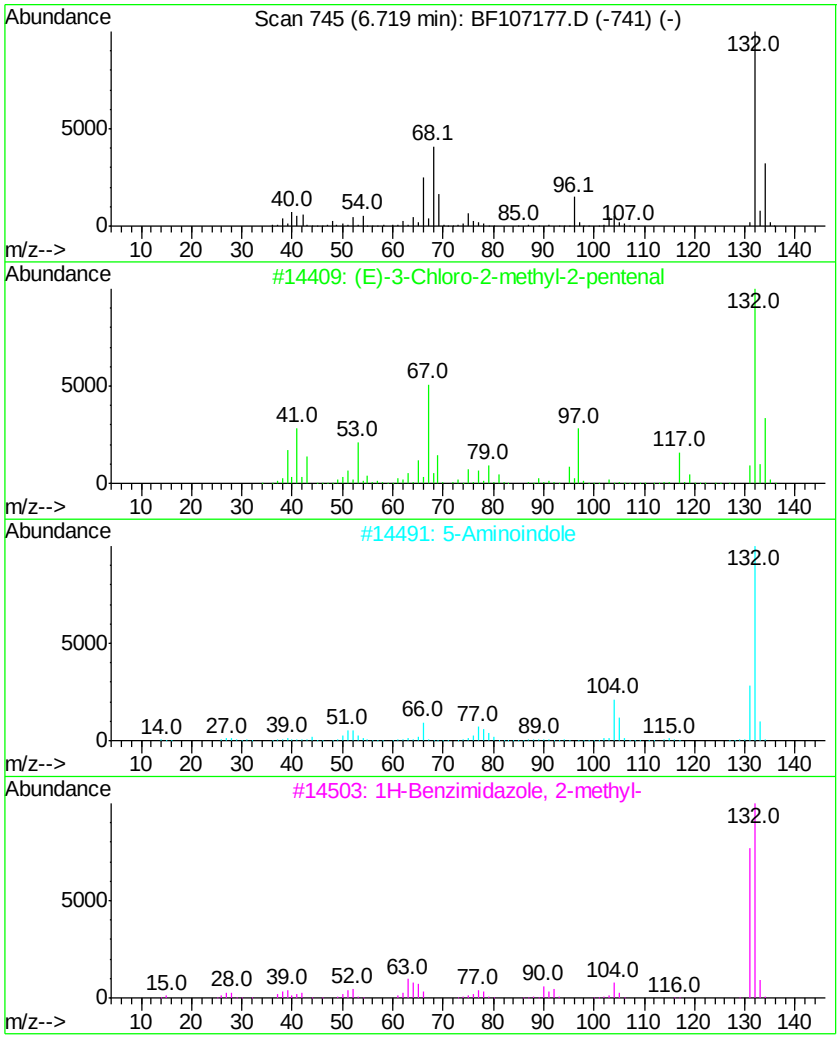
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

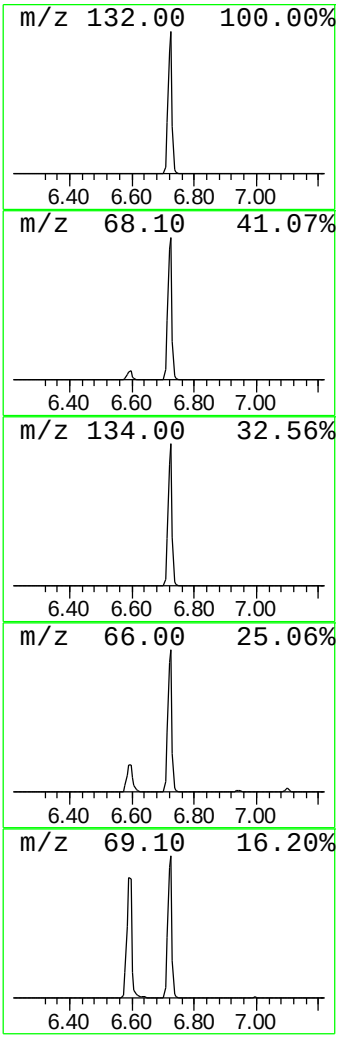
****

Peak Number 2 unknown6.72 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	67.37 ng	1243630	1,4-Dichlorobenzene-d4	6.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

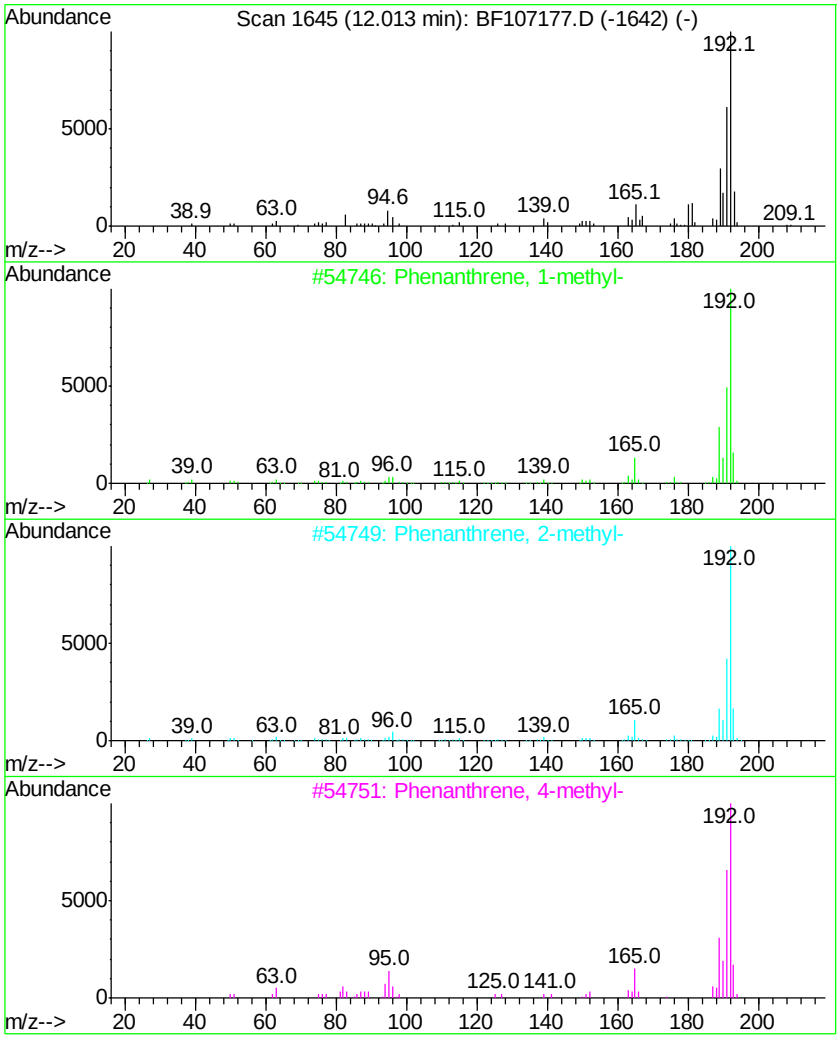
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

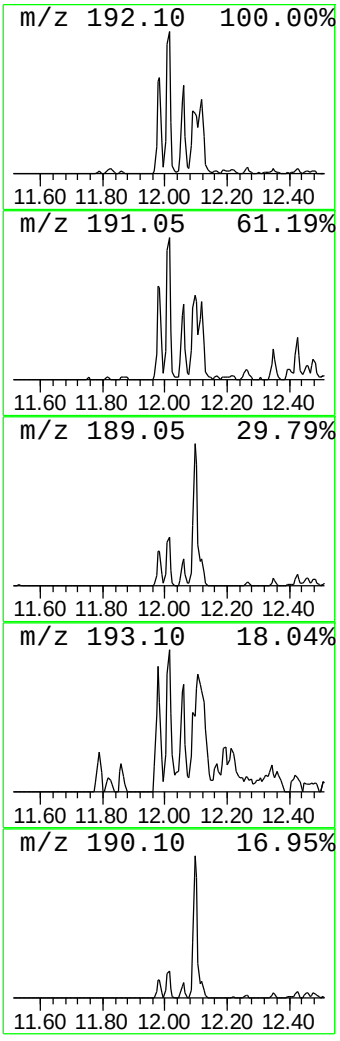
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	4.01 ng	106619	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107177.D
Acq On : 6 Jul 2018 17:14
Operator : JU/SJ
Sample : J3864-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-108-6A(3-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

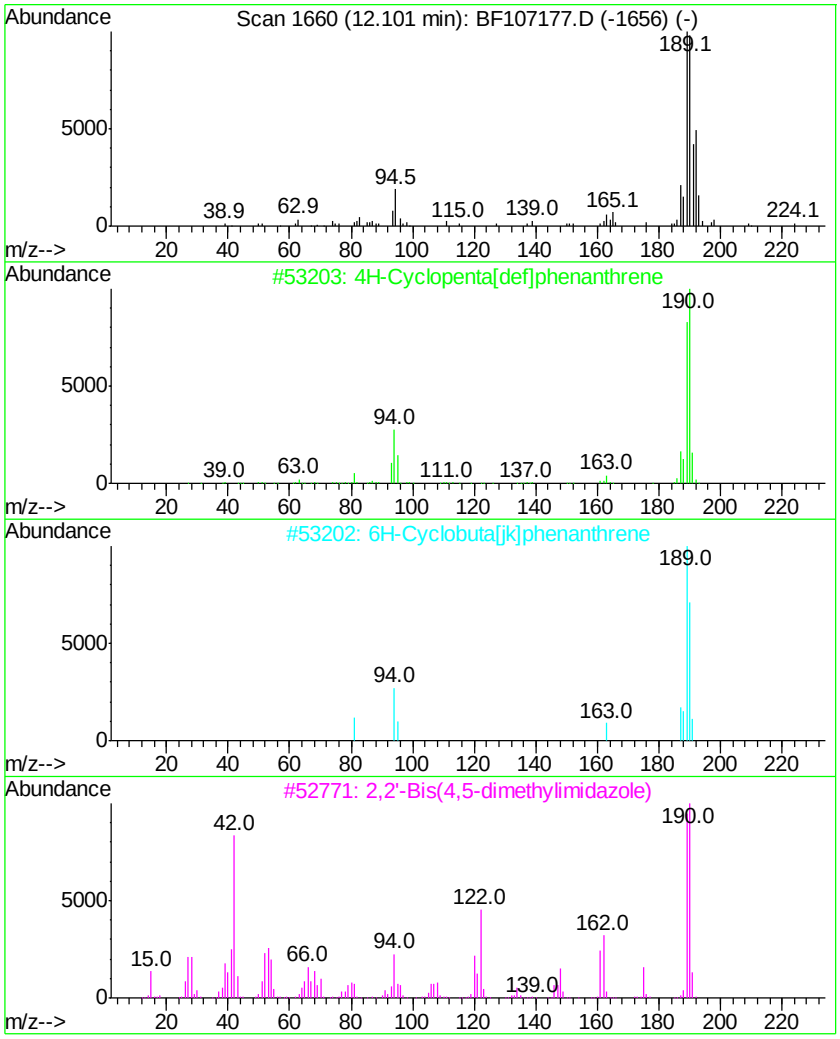
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

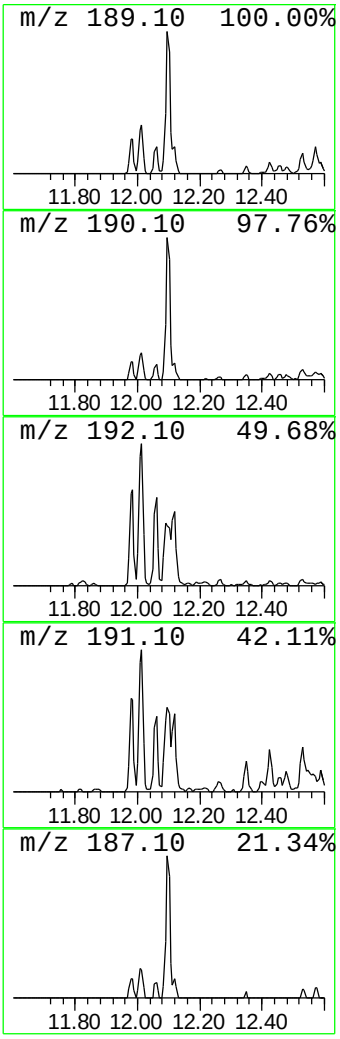
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	5.98 ng	158758	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	Methyl diselenide	190	C2H6Se2	007101-31-7	27
5	Megastigmatrienone	190	C13H18O	038818-55-2	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107177.D
Acq On : 6 Jul 2018 17:14
Operator : JU/SJ
Sample : J3864-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-108-6A(3-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

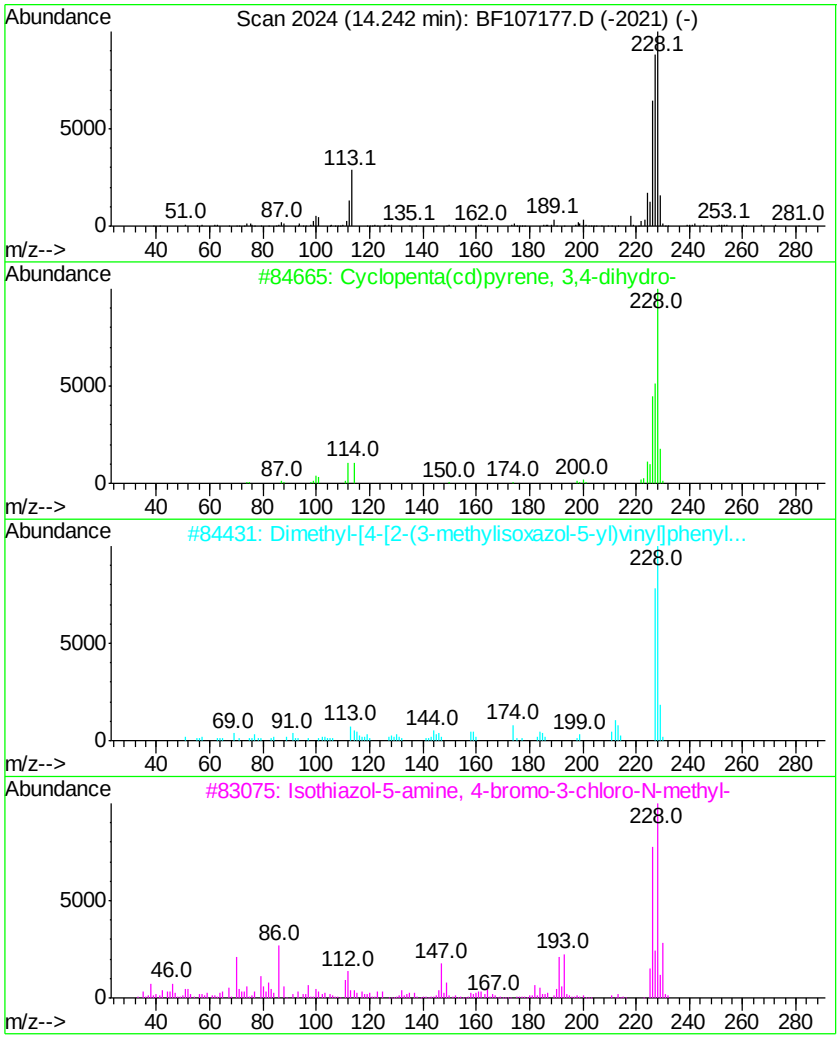
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

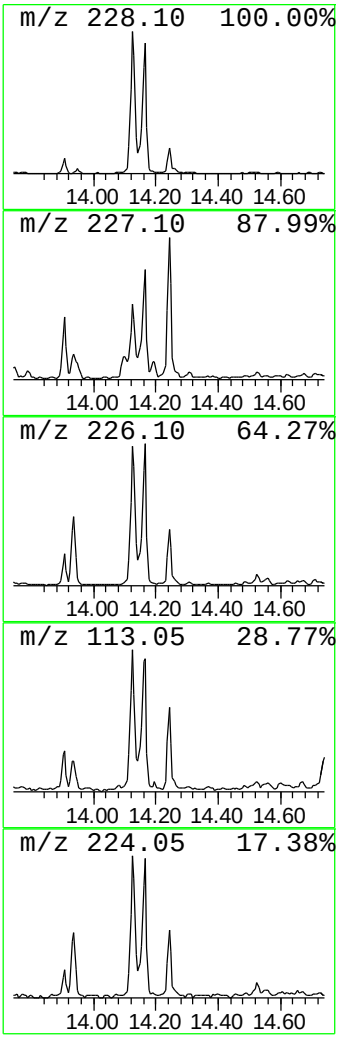
****

Peak Number 6 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	3.23 ng	236055	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	70
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
5	Benz[a]anthracene	228	C18H12	000056-55-3	35





Library Search Compound Report

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Acq On : 6 Jul 2018 17:14
Operator : JU/SJ
Sample : J3864-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-108-6A(3-8)

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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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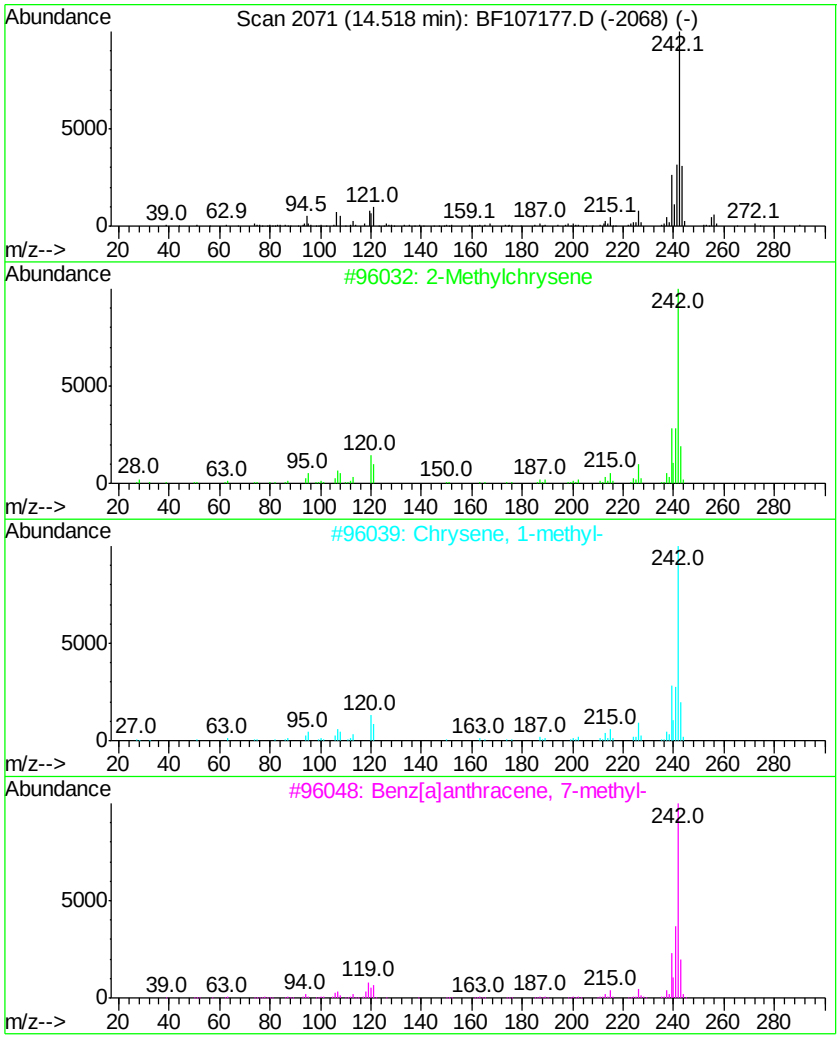
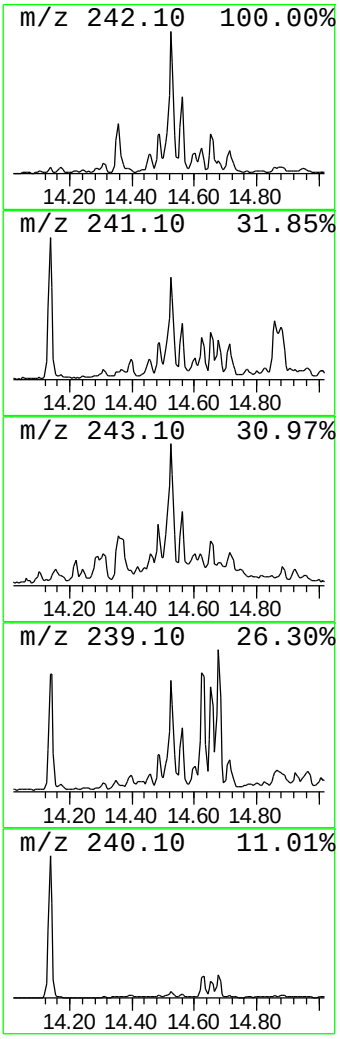
Peak Number 7 2-Methylchrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	4.12 ng	301227	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylchrysene	242	C19H14	003351-32-4	95
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91





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ClientSampleId : EPE-108-6A(3-8)

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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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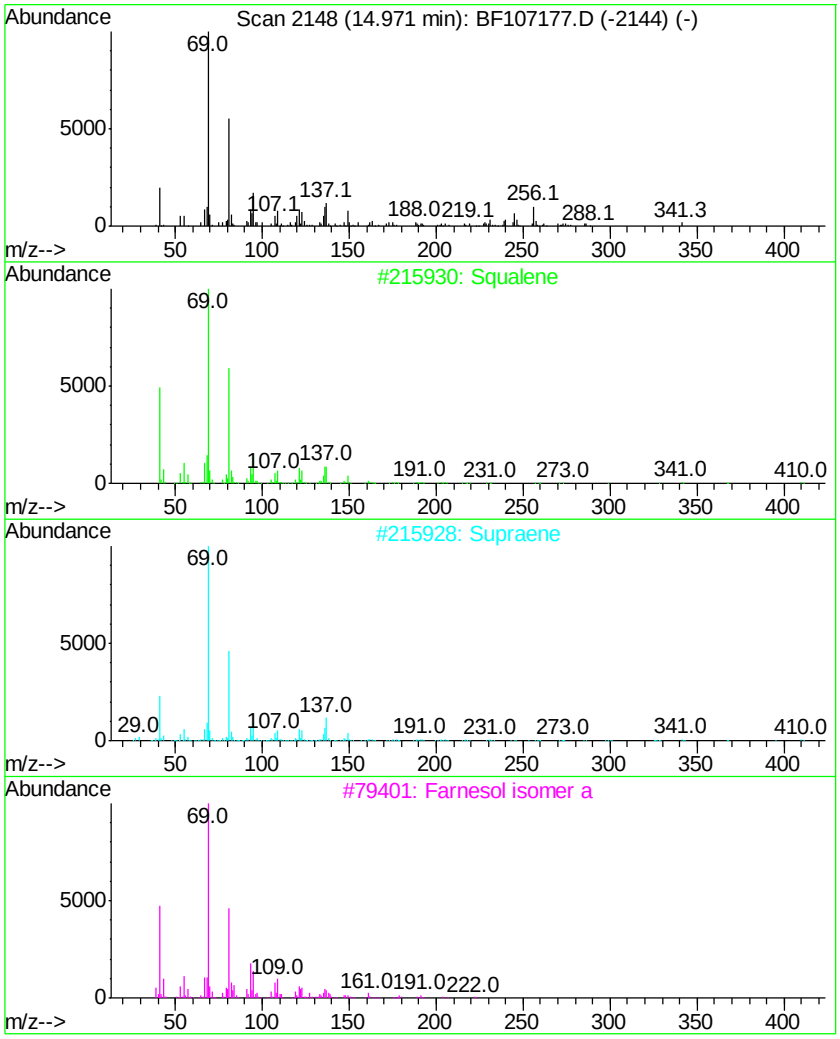
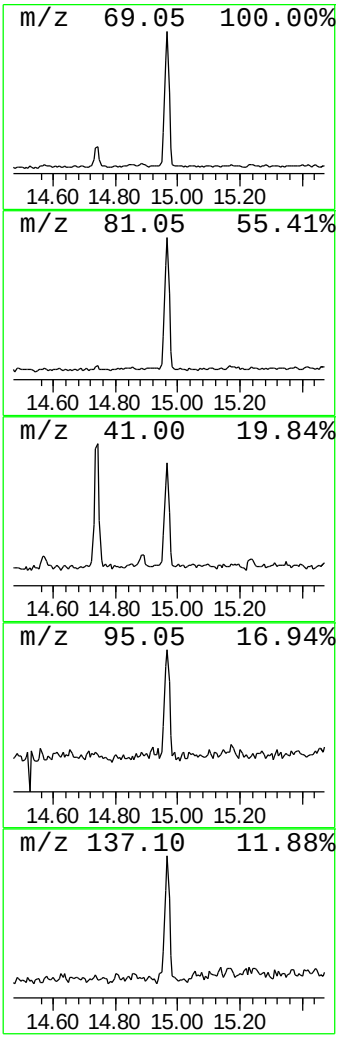
Peak Number 8 Squalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	9.50 ng	192840	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	81
2	Supraene	410	C30H50	007683-64-9	76
3	Farnesol isomer a	222	C15H26O	1000108-92-4	64
4	2,3,5-Trimethyl-2,3,5-hexanetric...	203	C12H17N3	003974-79-6	50
5	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	50





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ClientSampleId : EPE-108-6A(3-8)

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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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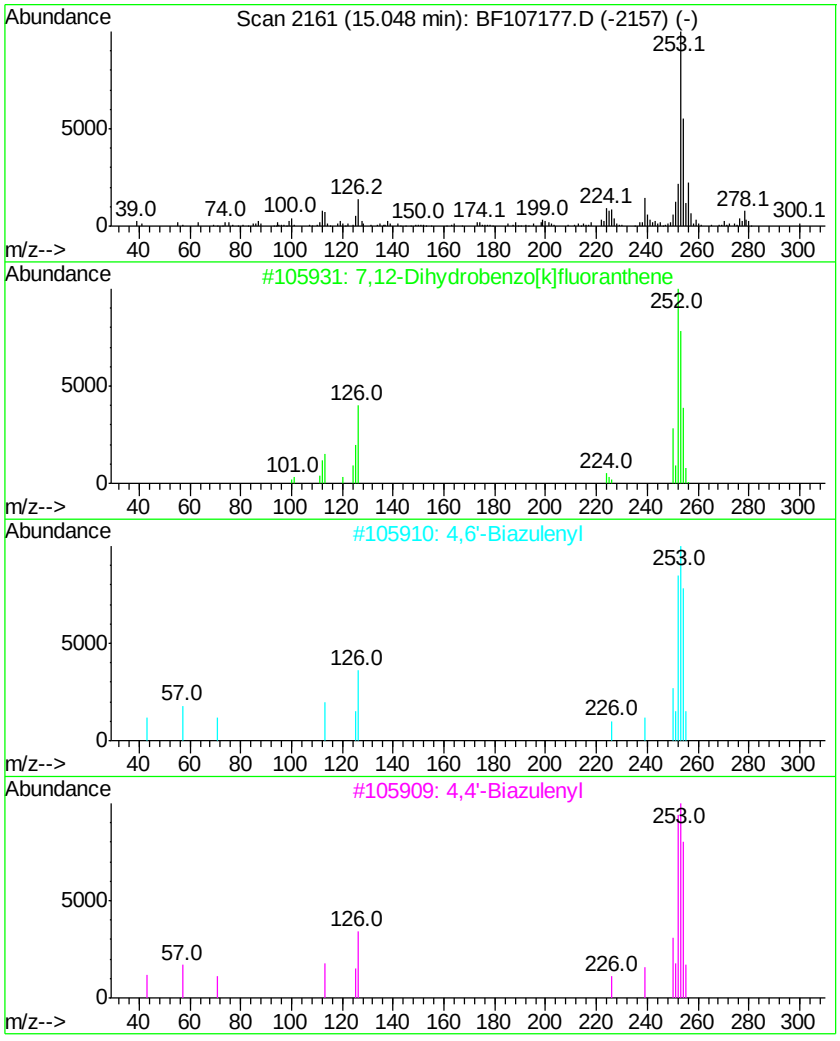
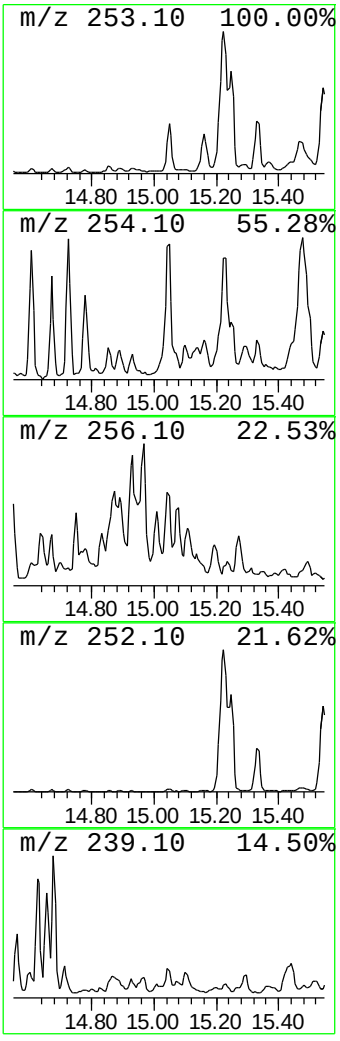
Peak Number 9 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	6.05 ng	122794	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
2	4,6'-Biazulenyl	254	C20H14	094154-49-1	58
3	4,4'-Biazulenyl	254	C20H14	094053-54-0	58
4	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	50





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ClientSampleId : EPE-108-6A(3-8)

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TIC Integration Parameters: LSCINT.P

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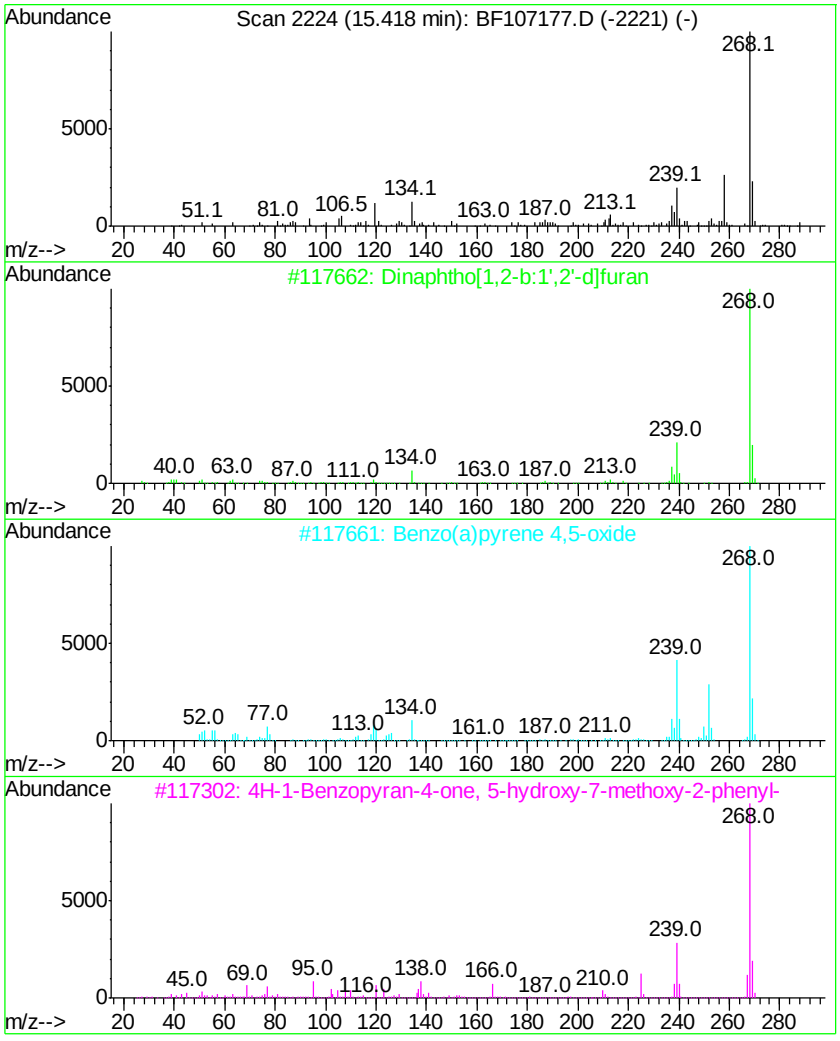
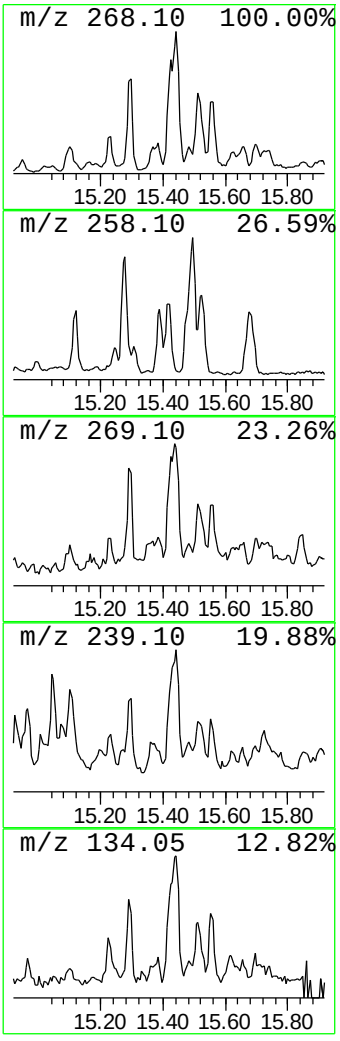
Peak Number 11 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	4.46 ng	90458	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	83
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59
3	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59
4	trans-4'-Methyl-4-(methylthio)ch...	268	C17H16OS	126443-27-4	58
5	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	52





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ClientSampleId : EPE-108-6A(3-8)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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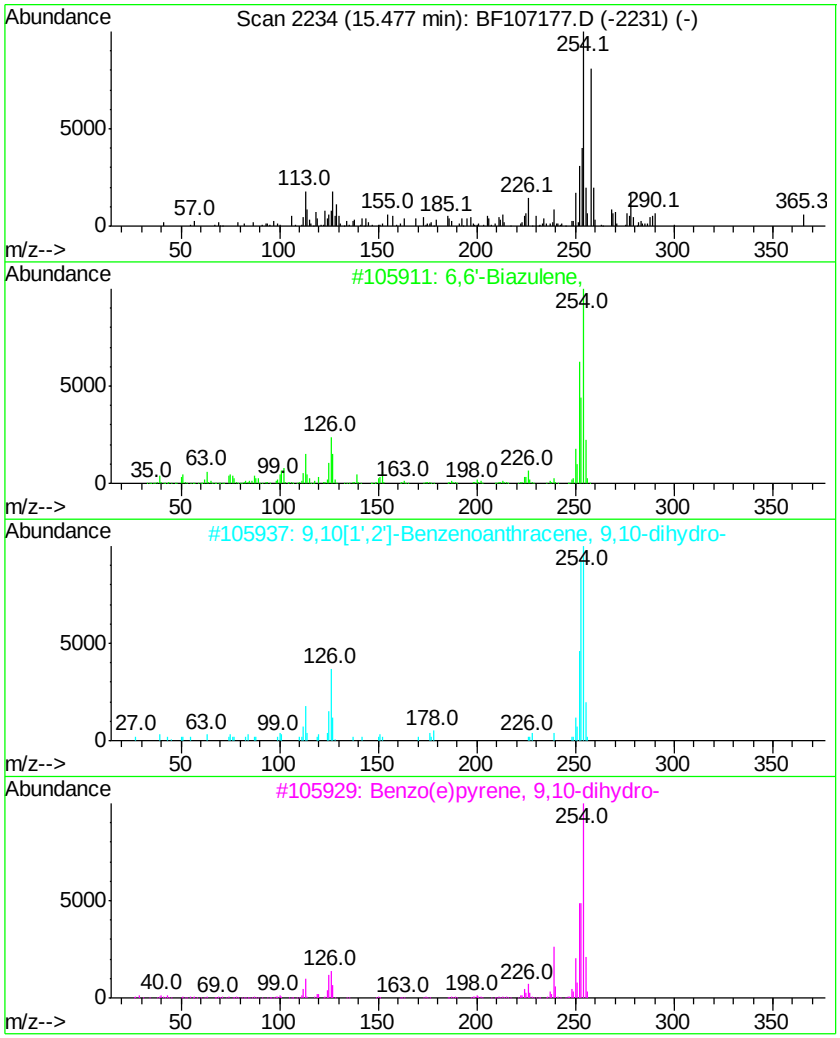
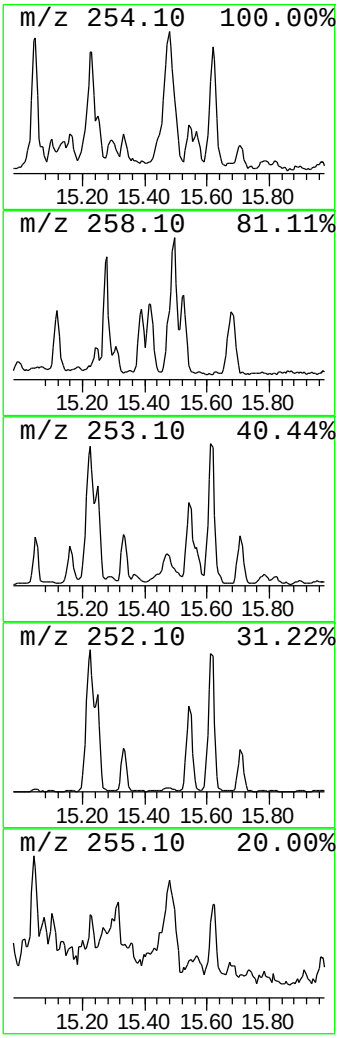
Peak Number 12 unknown15.48 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	8.77 ng	178064	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,6'-Biazulene,	254	C20H14	073393-11-0	41
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	38
3	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	38
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	38
5	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	38





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Instrument : BNA_F
ClientSampleId : EPE-108-6A(3-8)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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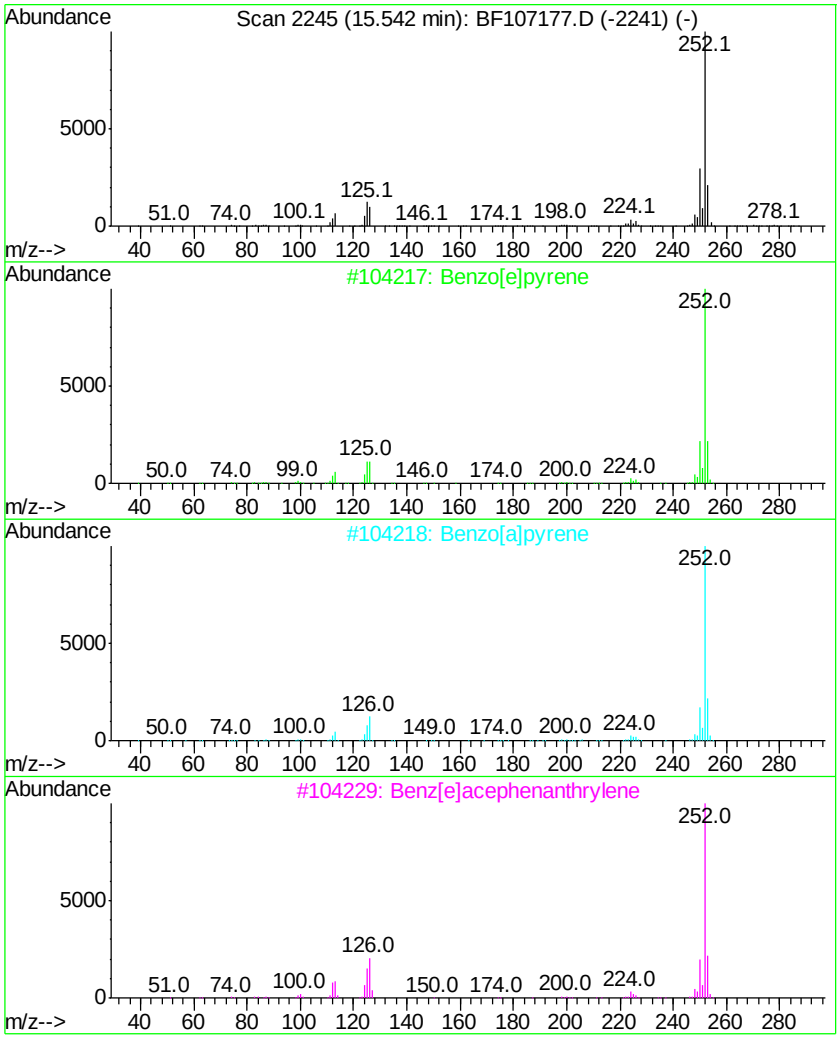
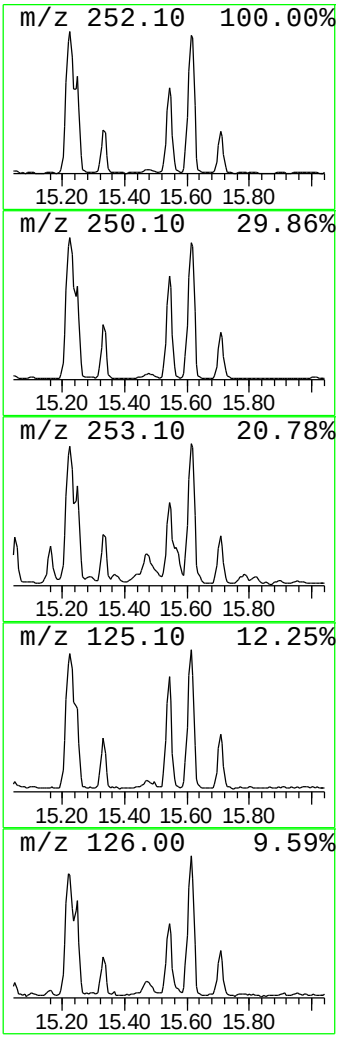
Peak Number 13 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	31.70 ng	643603	Perylene-d12	15.68

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	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





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Sample : J3864-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-108-6A(3-8)

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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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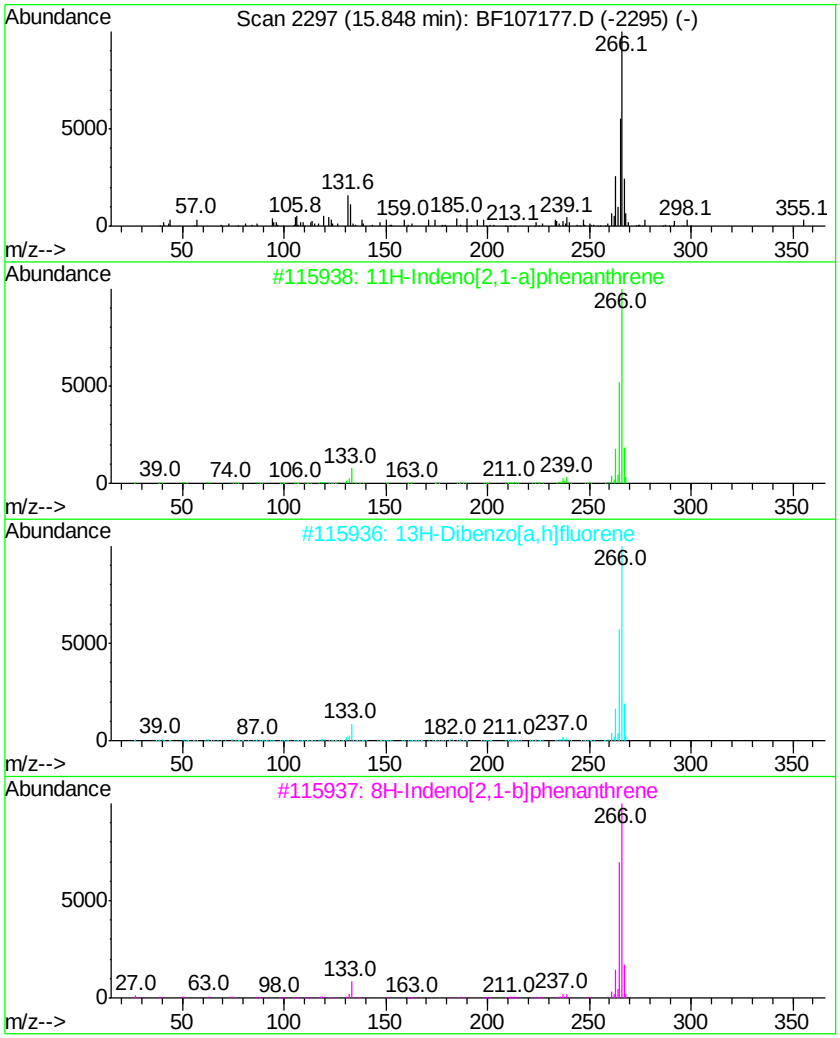
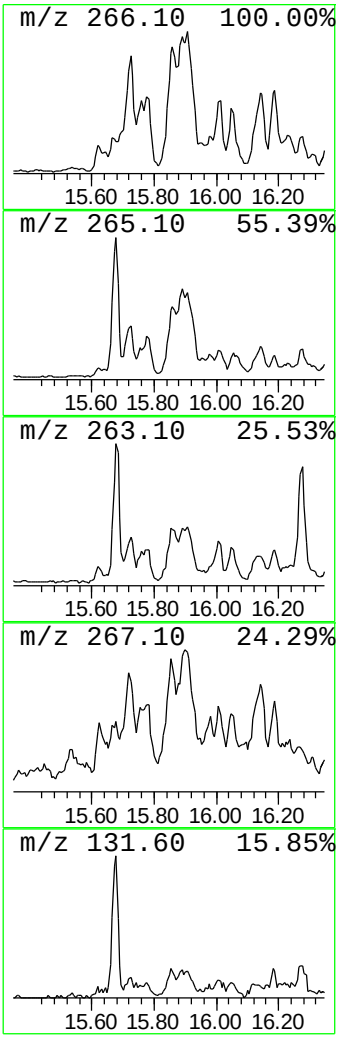
Peak Number 14 11H-Indeno[2,1-a]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	3.41 ng	69195	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	81
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	76
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	59
4	Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	58
5	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	53





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TIC Library : C:\DATABASE\NIST11.L
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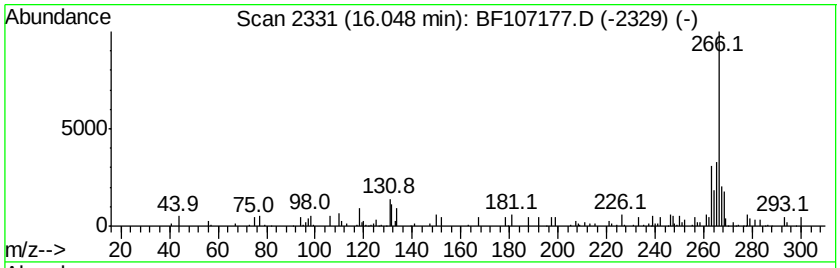
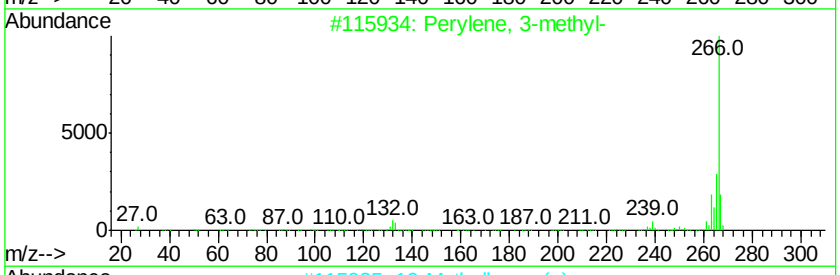
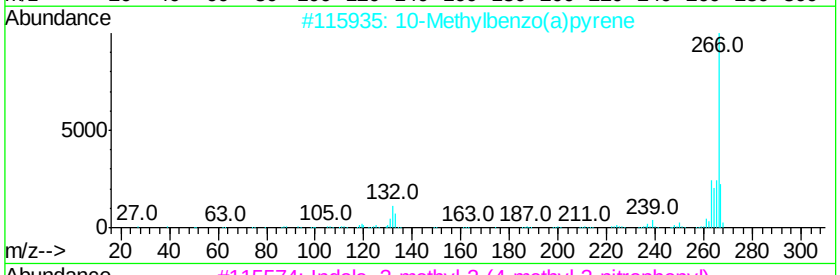
Peak Number 15 Perylene, 3-methyl- Concentration Rank 14

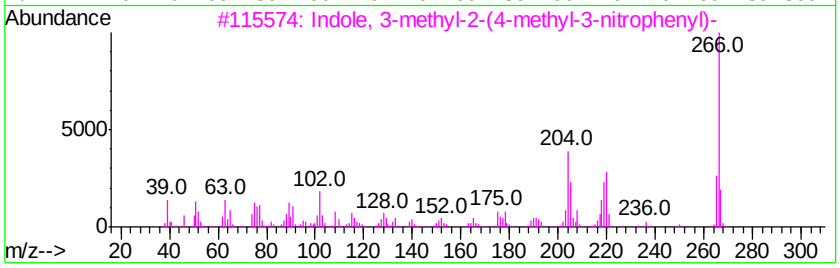
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	4.27 ng	86672	Perylene-d12	15.68

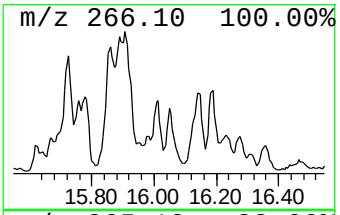
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	58
2	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	58
3	Indole, 3-methyl-2-(4-methyl-3-n...	266	C16H14N2O2	311765-55-6	50
4	Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	50
5	5-(p-Dimethylaminocinnamoyl)-2-m...	266	C17H18N2O	004625-19-8	50

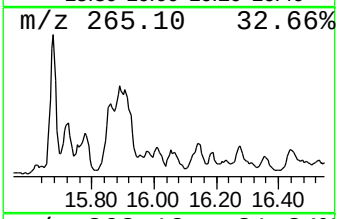


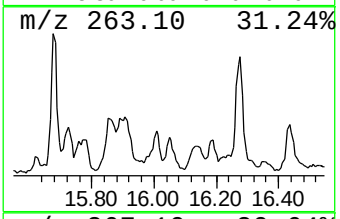


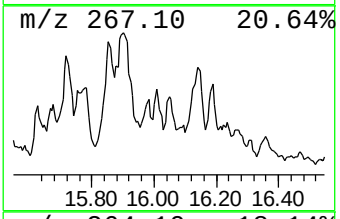


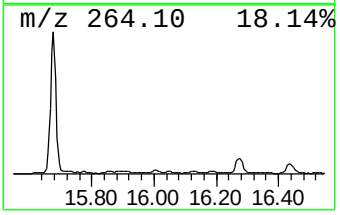












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Misc :
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Instrument : BNA_F
ClientSampleId : EPE-108-6A(3-8)

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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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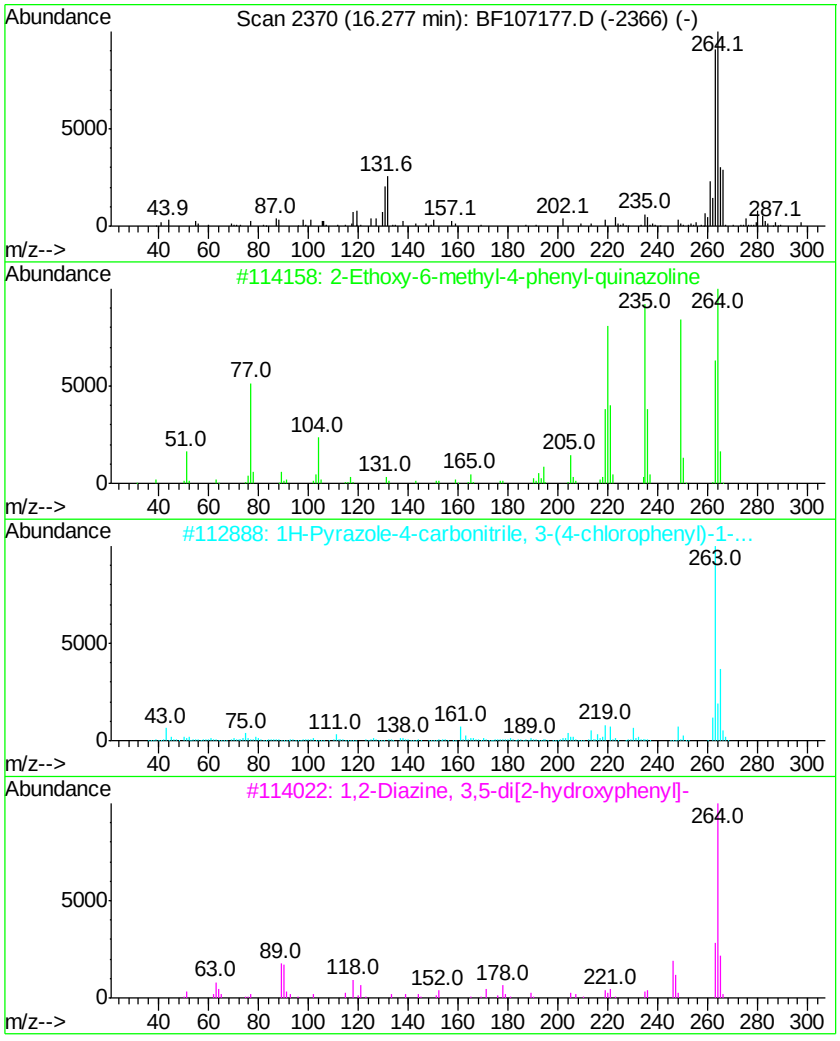
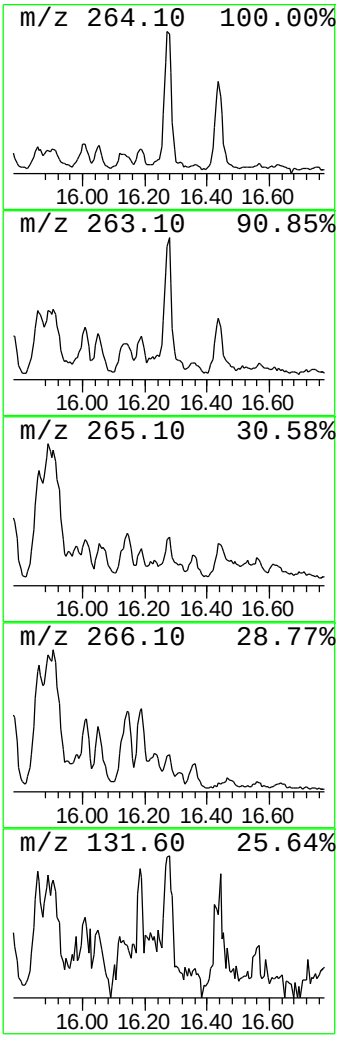
Peak Number 16 unknown16.28 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	3.12 ng	63394	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	47
2	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35
3	1,2-Diazine, 3,5-di[2-hydroxyphe...	264	C16H12N2O2	122763-54-6	27
4	Quinoline, 2-[2-(4-chlorophenyl)...	265	C17H12ClN	005392-19-8	27
5	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	25





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

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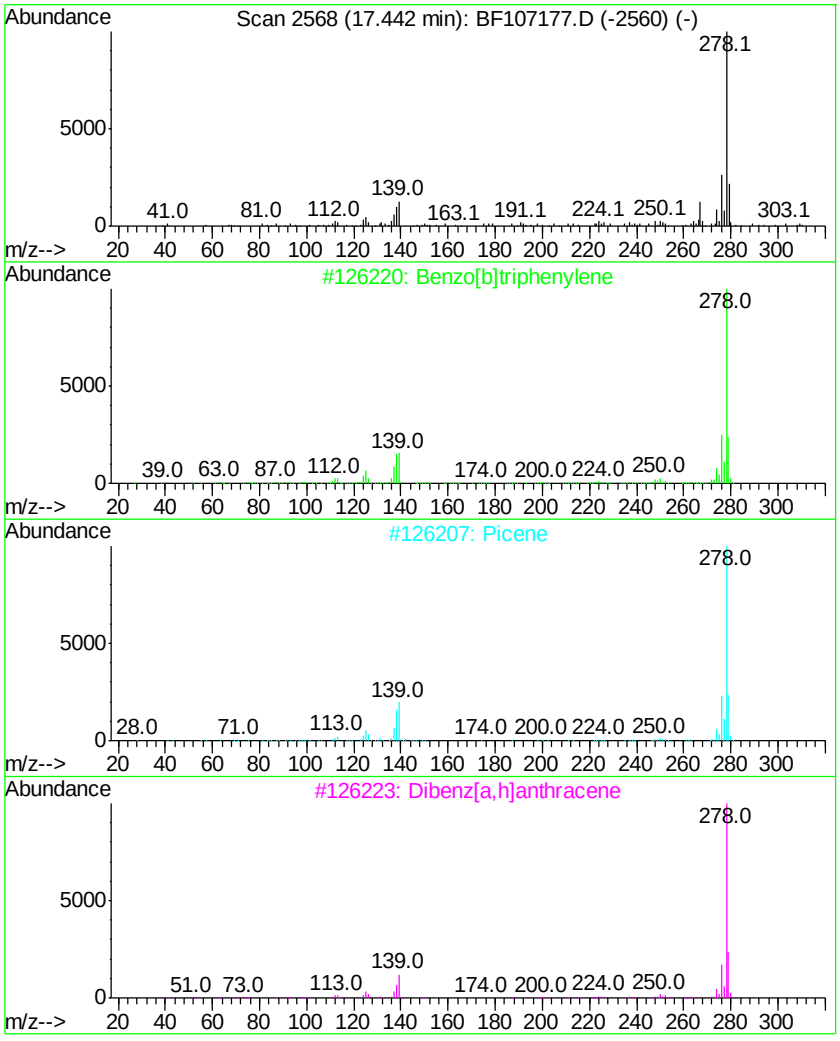
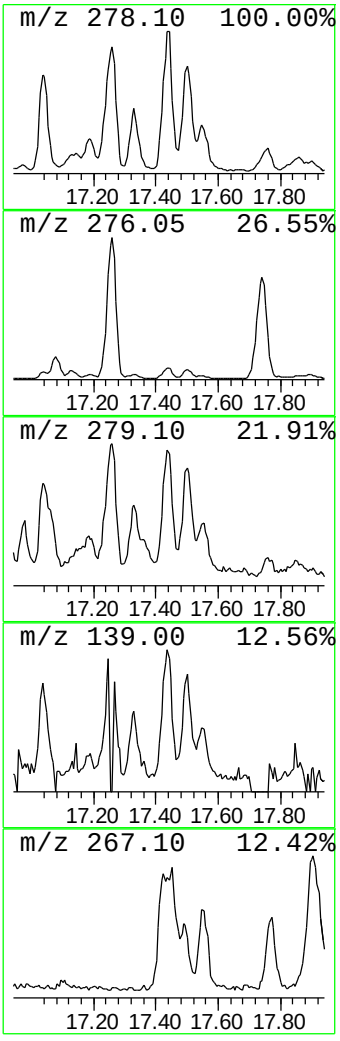
Peak Number 18 Benzo[b]triphenylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	11.42 ng	231801	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Picene	278	C22H14	000213-46-7	95
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4	Pentacene	278	C22H14	000135-48-8	89
5	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107177.D
Acq On : 6 Jul 2018 17:14
Operator : JU/SJ
Sample : J3864-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-108-6A(3-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

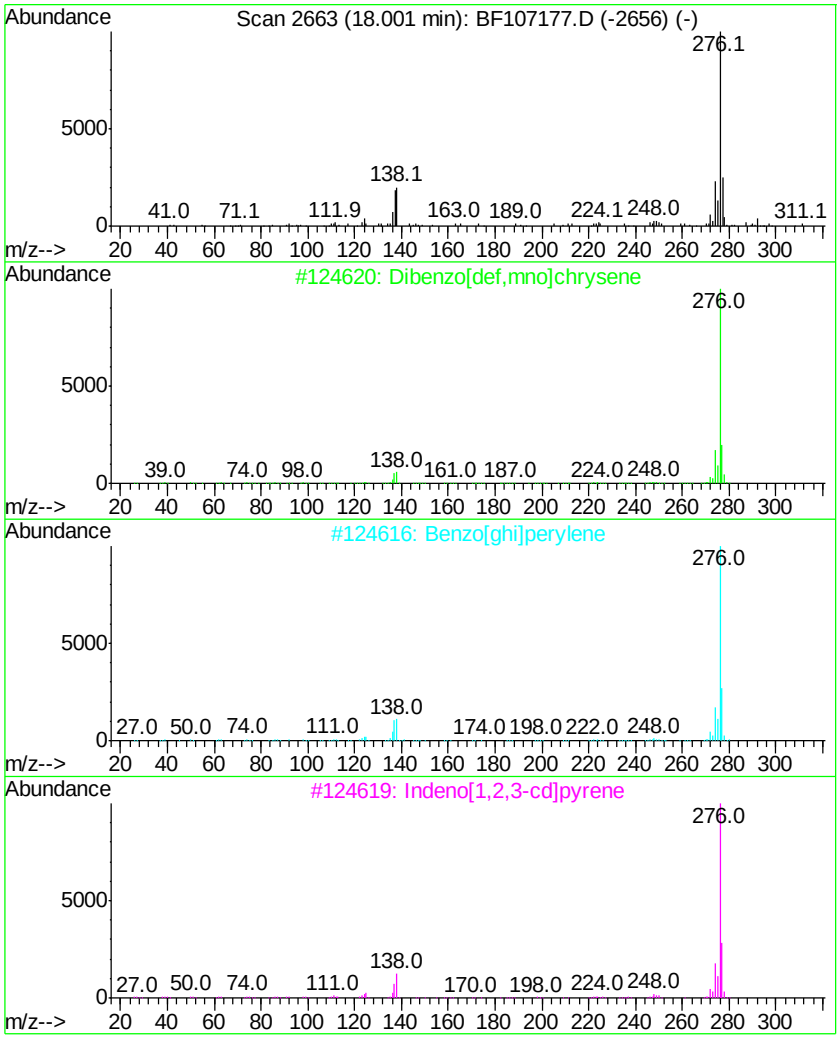
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

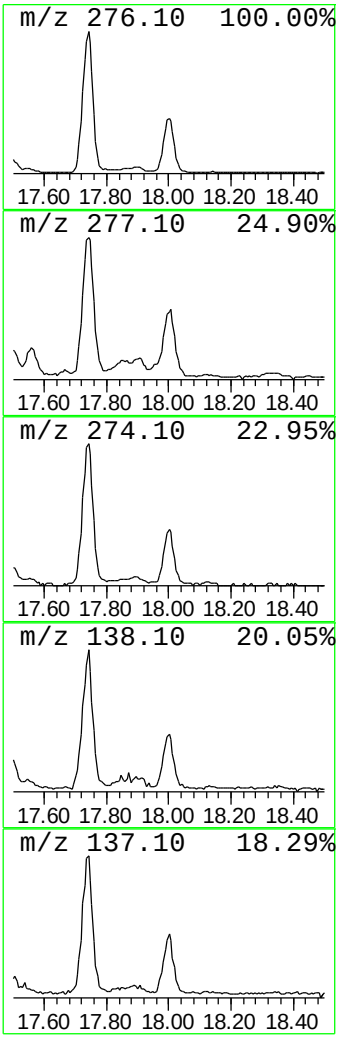
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	12.97 ng	263231	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070618\
Data File : BF107177.D
Acq On : 6 Jul 2018 17:14
Operator : JU/SJ
Sample : J3864-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-108-6A(3-8)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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
2-Pentanone, 4-hy...	5.18	11.1	ng	205145	1	6.94	369200	20.0
unknown6.72	6.72	67.4	ng	1243630	1	6.94	369200	20.0
Phenanthrene, 1-m...	12.01	4.0	ng	106619	4	11.48	531273	20.0
4H-Cyclopenta[def...	12.10	6.0	ng	158758	4	11.48	531273	20.0
Cyclopenta(cd)pyr...	14.24	3.2	ng	236055	5	14.14	1463010	20.0
2-Methylchrysene	14.52	4.1	ng	301227	5	14.14	1463010	20.0
Squalene	14.97	9.5	ng	192840	6	15.68	406017	20.0
7,12-Dihydrobenzo...	15.05	6.0	ng	122794	6	15.68	406017	20.0
Dinaphtho[1,2-b:1...	15.42	4.5	ng	90458	6	15.68	406017	20.0
unknown15.48	15.48	8.8	ng	178064	6	15.68	406017	20.0
Benzo[e]pyrene	15.54	31.7	ng	643603	6	15.68	406017	20.0
11H-Indeno[2,1-a]...	15.85	3.4	ng	69195	6	15.68	406017	20.0
Perylene, 3-methyl-	16.05	4.3	ng	86672	6	15.68	406017	20.0
unknown16.28	16.28	3.1	ng	63394	6	15.68	406017	20.0
Benzo[b]triphenylene	17.44	11.4	ng	231801	6	15.68	406017	20.0
Dibenzo[def,mno]c...	18.00	13.0	ng	263231	6	15.68	406017	20.0