LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
Data File : BF111620.D
Acq On : 20 Dec 2018 5:03
Operator : JU/SJ
Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

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-BF121918.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	5.122	511	516	521	rVB	202883	253315	3.12%	0.212%
2	5.522	578	584	587	rBV	4018614	3754096	46.31%	3.148%
3	6.522	747	754	759	rBV	4049420	4233596	52.22%	3.550%
4	6.669	774	779	782	rBV	4251429	3909697	48.23%	3.279%
5	6.739	786	791	794	rBV2	192862	218217	2.69%	0.183%
6	6.898	814	818	820	rBV	1492427	1190566	14.69%	0.998%
7	7.057	841	845	848	rBV	3489774	3084897	38.05%	2.587%
8	7.451	904	912	915	rBV	2688699	2404330	29.66%	2.016%
9	7.498	918	920	923	rVB	171474	127468	1.57%	0.107%
10	8.175	1031	1035	1038	rBV	1670926	1514736	18.68%	1.270%
11	9.251	1214	1218	1221	rBV	4929688	4185055	51.62%	3.510%
12	9.592	1271	1276	1278	rBV	149364	156458	1.93%	0.131%
13	9.639	1282	1284	1288	rVB	384715	295614	3.65%	0.248%
14	9.792	1304	1310	1313	rBV	169362	149536	1.84%	0.125%
15	9.933	1326	1334	1337	rBV	1762860	1575268	19.43%	1.321%
16	9.963	1337	1339	1342	rVB	702182	532290	6.57%	0.446%
17	10.133	1364	1368	1371	rVB	388320	317620	3.92%	0.266%
18	10.475	1423	1426	1432	rVB	641920	582796	7.19%	0.489%
19	10.545	1432	1438	1440	rBV	114790	158271	1.95%	0.133%
20	10.633	1451	1453	1458	rVB	194295	171077	2.11%	0.143%
21	10.716	1462	1467	1471	rVV	2976967	2640314	32.57%	2.214%
22	10.839	1484	1488	1495	rVB4	109817	142166	1.75%	0.119%
23	11.027	1513	1520	1522	rBV3	145021	199686	2.46%	0.167%
24	11.151	1536	1541	1543	rBV3	98545	126434	1.56%	0.106%
25	11.216	1549	1552	1557	rVB	286827	263344	3.25%	0.221%
26	11.263	1557	1560	1566	rBV4	129559	242668	2.99%	0.203%
27	11.310	1566	1568	1574	rVB	361306	317056	3.91%	0.266%
28	11.416	1582	1586	1588	rBV	1500048	1518634	18.73%	1.274%
29	11.445	1588	1591	1594	rVV	6059295	5277435	65.10%	4.426%
30	11.492	1594	1599	1602	rVV	1891293	1515538	18.69%	1.271%
31	11.639	1618	1624	1627	rBV2	555177	532655	6.57%	0.447%
32	11.916	1665	1671	1673	rVV	721433	658862	8.13%	0.553%
33	11.945	1673	1676	1679	rVV	1509816	1284507	15.84%	1.077%
34	11.992	1679	1684	1687	rVV2	418053	525505	6.48%	0.441%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
Data File : BF111620.D
Acq On : 20 Dec 2018 5:03
Operator : JU/SJ
Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

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-BF121918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.027	1687	1690	1693	rVV	1263297	1402250	17.30%	1.176%
36	12.051	1693	1694	1697	rVB	496682	260688	3.22%	0.219%
37	12.210	1718	1721	1723	rBV	566282	478416	5.90%	0.401%
38	12.227	1723	1724	1728	rVB	385240	308161	3.80%	0.258%
39	12.363	1744	1747	1749	rBV	158189	126404	1.56%	0.106%
40	12.463	1761	1764	1767	rBV	368716	423295	5.22%	0.355%
41	12.504	1767	1771	1773	rVV2	275971	318566	3.93%	0.267%
42	12.551	1776	1779	1784	rVB2	380455	416548	5.14%	0.349%
43	12.639	1788	1794	1797	rBV	7014620	7750074	95.60%	6.499%
44	12.686	1797	1802	1806	rVB3	151204	208447	2.57%	0.175%
45	12.727	1806	1809	1811	rBV2	170845	169513	2.09%	0.142%
46	12.780	1815	1818	1822	rVV	287344	291972	3.60%	0.245%
47	12.863	1826	1832	1837	rBV2	6122230	8106882	100.00%	6.798%
48	12.904	1837	1839	1845	rVB2	356134	389758	4.81%	0.327%
49	12.974	1847	1851	1852	rBV	476160	411272	5.07%	0.345%
50	12.998	1852	1855	1862	rVB	4339155	4113328	50.74%	3.449%
51	13.074	1862	1868	1871	rBV2	455245	817016	10.08%	0.685%
52	13.098	1871	1872	1875	rVB	251352	166131	2.05%	0.139%
53	13.133	1875	1878	1880	rBV2	122774	138318	1.71%	0.116%
54	13.163	1880	1883	1884	rVV3	347487	394235	4.86%	0.331%
55	13.186	1884	1887	1889	rVB	1013561	943883	11.64%	0.792%
56	13.251	1893	1898	1900	rVV2	733008	769183	9.49%	0.645%
57	13.286	1900	1904	1907	rVV2	756576	843332	10.40%	0.707%
58	13.316	1907	1909	1912	rVV2	297390	296969	3.66%	0.249%
59	13.345	1912	1914	1917	rVV2	185063	184206	2.27%	0.154%
60	13.380	1917	1920	1922	rVV	345647	301645	3.72%	0.253%
61	13.410	1922	1925	1927	rVV	417343	409337	5.05%	0.343%
62	13.433	1927	1929	1931	rVV2	226289	222180	2.74%	0.186%
63	13.480	1935	1937	1942	rVB4	166113	194555	2.40%	0.163%
64	13.557	1947	1950	1951	rBV2	175572	161128	1.99%	0.135%
65	13.580	1951	1954	1957	rVV3	305726	252100	3.11%	0.211%
66	13.686	1966	1972	1977	rBV	636222	776381	9.58%	0.651%
67	13.798	1987	1991	1994	rBV2	695009	904174	11.15%	0.758%
68	13.827	1994	1996	1998	rVV	677829	585519	7.22%	0.491%
69	13.851	1998	2000	2004	rVV2	609404	849161	10.47%	0.712%
70	13.892	2004	2007	2013	rVB3	1755672	1963147	24.22%	1.646%
71	13.968	2018	2020	2023	rVV	171329	155975	1.92%	0.131%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

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
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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.045	2026	2033	2037	rBV3	4332329	6547125	80.76%	5.490%
73	14.080	2037	2039	2045	rVV	3380710	3459038	42.67%	2.901%
74	14.163	2050	2053	2056	rVV	885206	857940	10.58%	0.719%
75	14.221	2059	2063	2068	rVB2	866546	1181305	14.57%	0.991%
76	14.268	2068	2071	2075	rBV2	529934	582751	7.19%	0.489%
77	14.374	2086	2089	2091	rVB	181645	171388	2.11%	0.144%
78	14.404	2091	2094	2095	rBV	186564	190715	2.35%	0.160%
79	14.439	2096	2100	2103	rVV	632739	655638	8.09%	0.550%
80	14.468	2103	2105	2108	rVB	399703	331948	4.09%	0.278%
81	14.527	2111	2115	2118	rBV3	2024675	1853316	22.86%	1.554%
82	14.563	2118	2121	2122	rVV	303882	230108	2.84%	0.193%
83	14.580	2122	2124	2128	rVB4	462749	441469	5.45%	0.370%
84	14.621	2128	2131	2132	rBV2	191241	210905	2.60%	0.177%
85	14.739	2148	2151	2155	rBV2	151598	222834	2.75%	0.187%
86	14.839	2164	2168	2177	rVB	1267364	1472875	18.17%	1.235%
87	14.915	2178	2181	2183	rBV2	204312	252720	3.12%	0.212%
88	15.104	2207	2213	2216	rBV	2663168	4552712	56.16%	3.818%
89	15.186	2222	2227	2229	rBV2	1127865	1500307	18.51%	1.258%
90	15.298	2243	2246	2247	rBV2	114141	132096	1.63%	0.111%
91	15.357	2253	2256	2259	rVV2	141020	157107	1.94%	0.132%
92	15.404	2260	2264	2270	rVB	1464853	1998364	24.65%	1.676%
93	15.474	2270	2276	2281	rBV	2175533	2832087	34.93%	2.375%
94	15.533	2281	2286	2288	rBV	758904	1043151	12.87%	0.875%
95	15.568	2288	2292	2298	rVB2	1325256	2068851	25.52%	1.735%
96	16.021	2364	2369	2373	rBV	668224	1019530	12.58%	0.855%
97	16.539	2452	2457	2466	rVB4	251063	523978	6.46%	0.439%
98	17.015	2532	2538	2546	rVB2	966162	1925411	23.75%	1.615%
99	17.462	2607	2614	2631	rVB	703208	1631462	20.12%	1.368%
100	17.692	2649	2653	2669	rVB2	217315	636845	7.86%	0.534%

Sum of corrected areas: 119247832

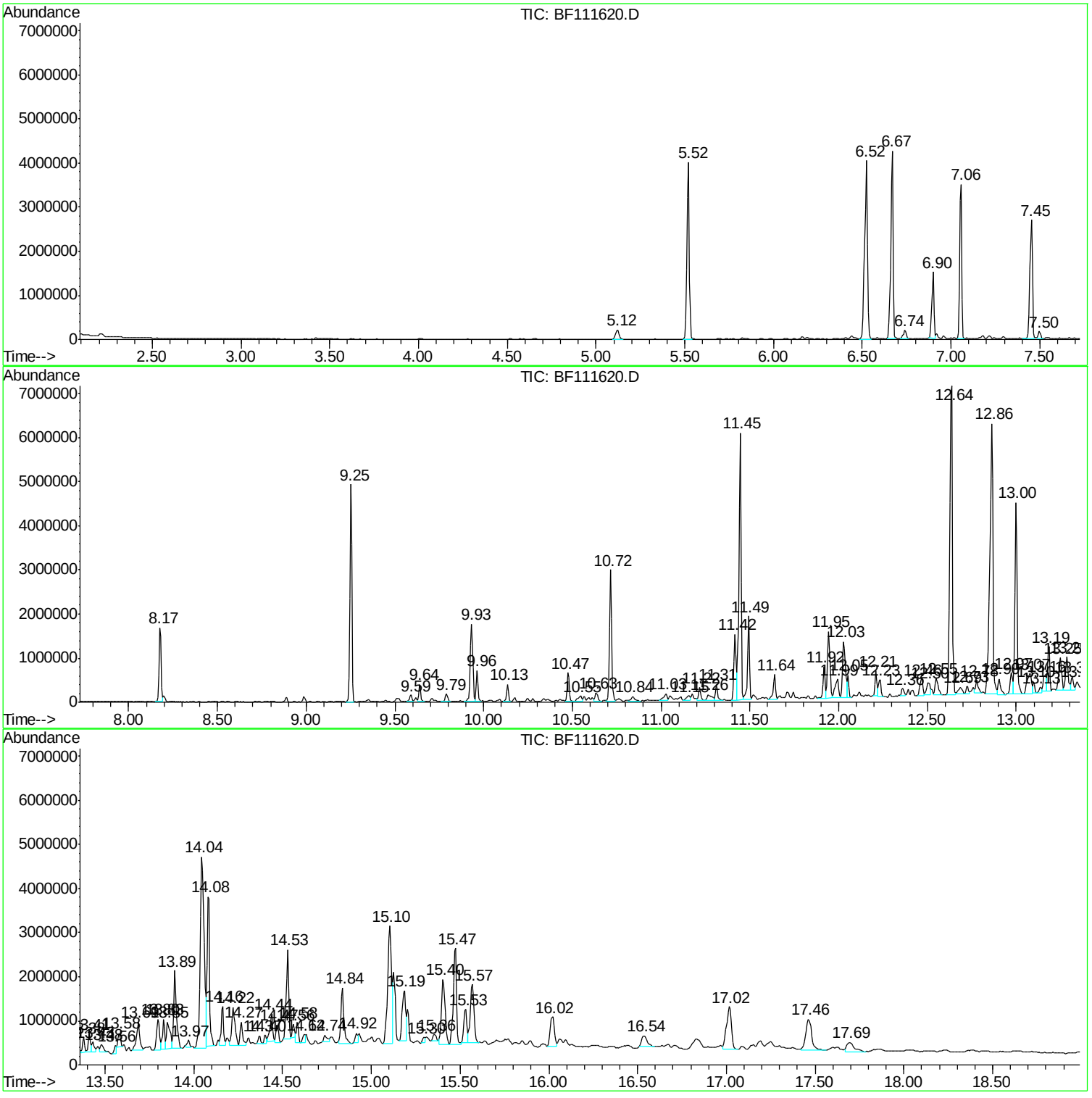
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
Data File : BF111620.D
Acq On : 20 Dec 2018 5:03
Operator : JU/SJ
Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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\BF121918\
Data File : BF111620.D
Acq On : 20 Dec 2018 5:03
Operator : JU/SJ
Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

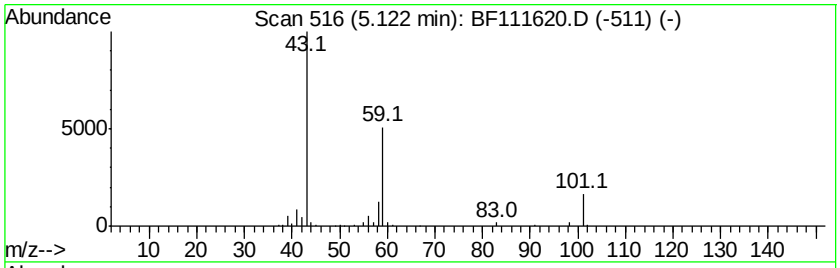
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

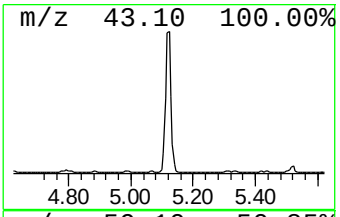
****

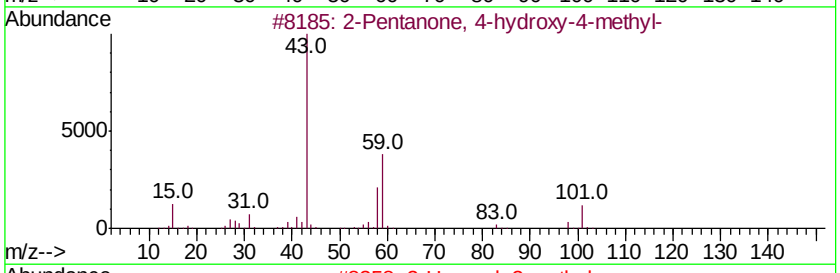
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

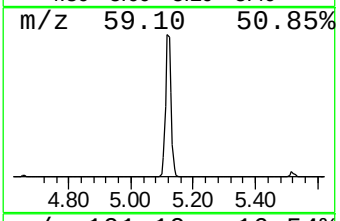
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	4.26 ng	253315	1,4-Dichlorobenzene-d4	6.90

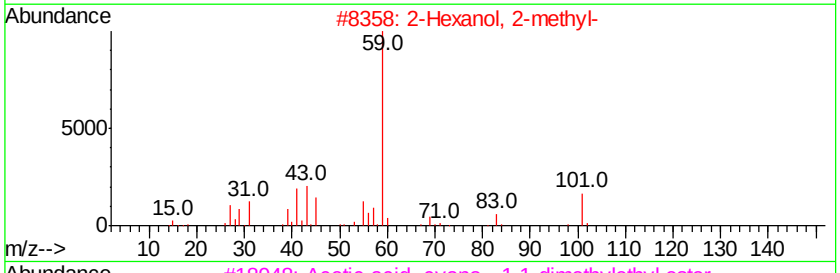
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9

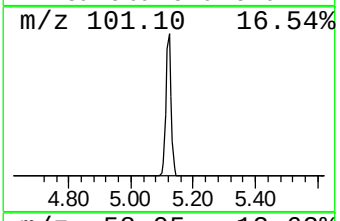


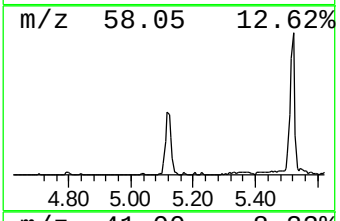


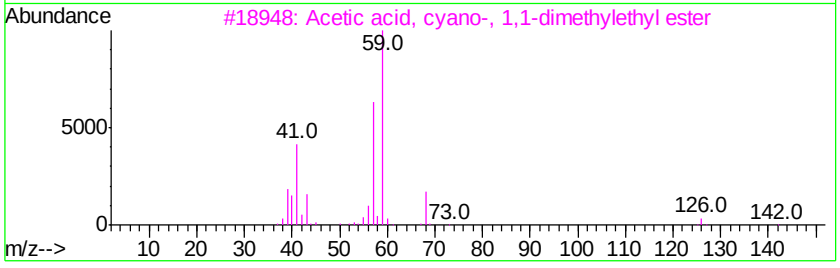


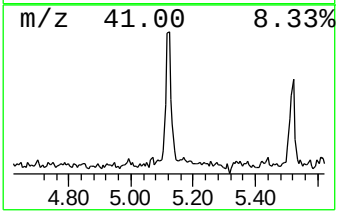












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
Data File : BF111620.D
Acq On : 20 Dec 2018 5:03
Operator : JU/SJ
Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

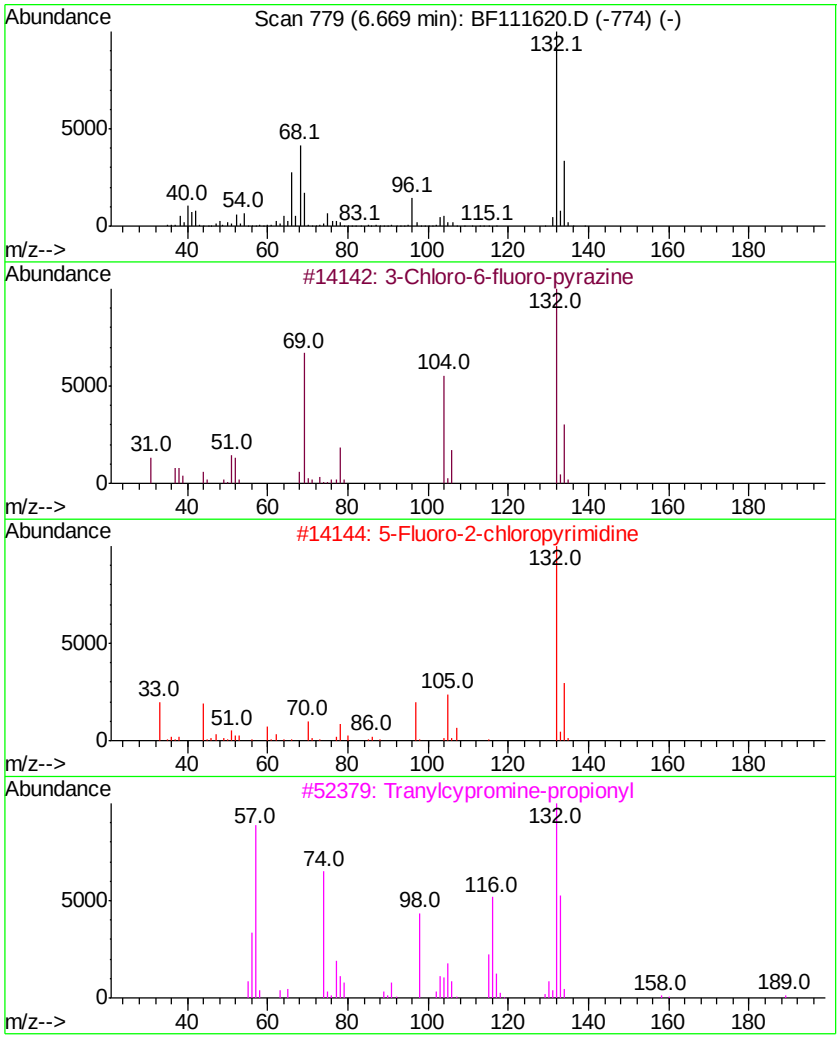
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

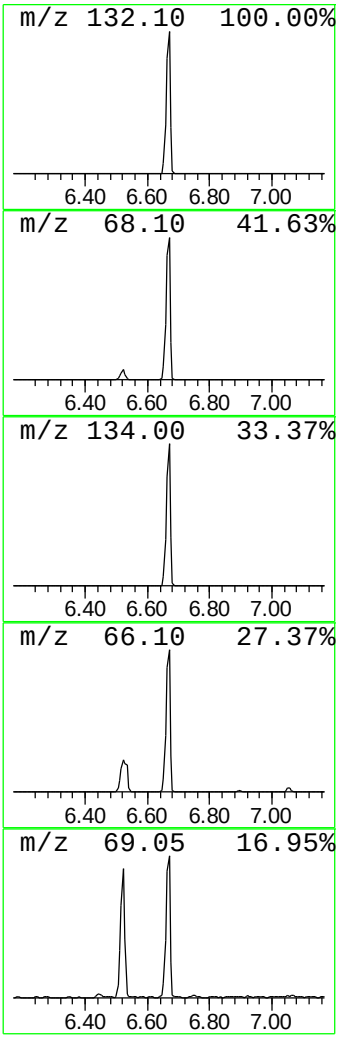
****

Peak Number 2 unknown6.67 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	65.68 ng	3909700	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
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Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

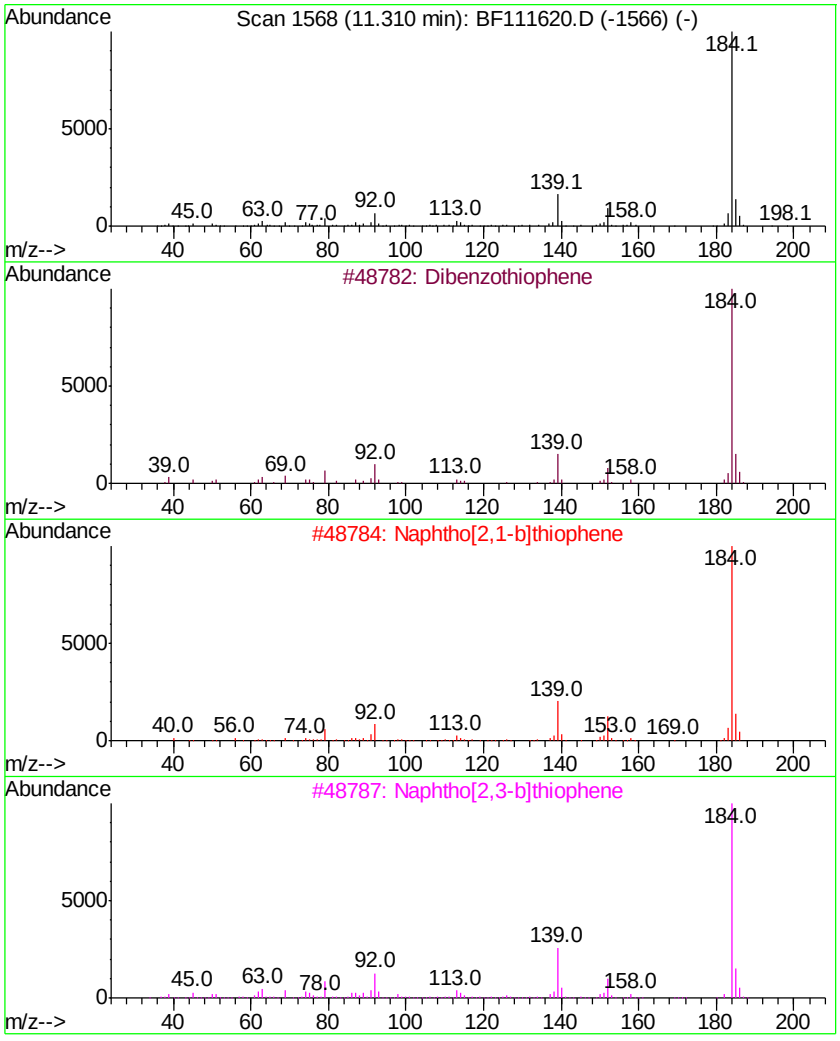
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

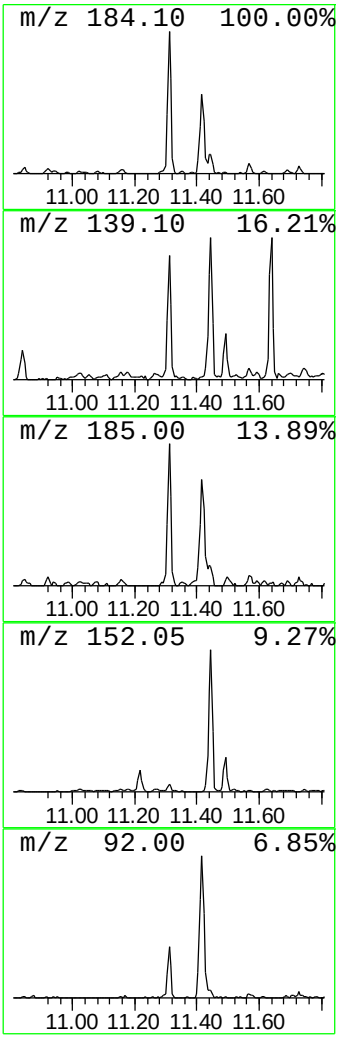
****

Peak Number 4 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	4.18 ng	317056	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
Data File : BF111620.D
Acq On : 20 Dec 2018 5:03
Operator : JU/SJ
Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

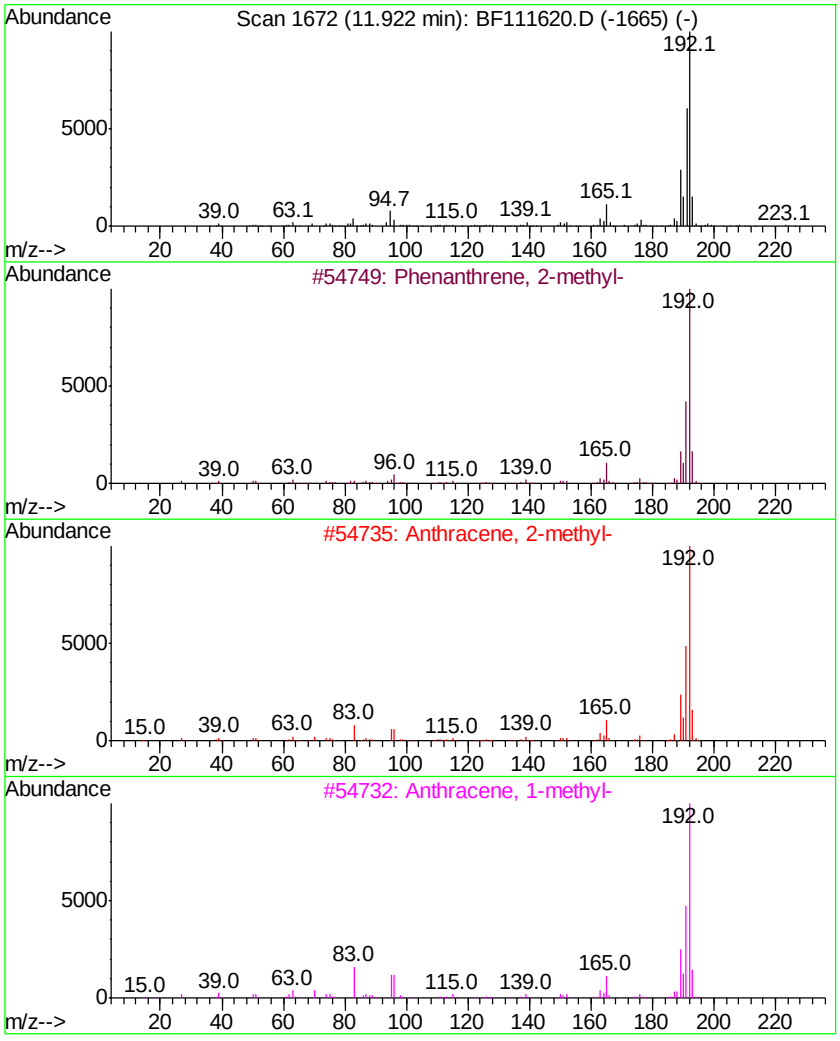
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

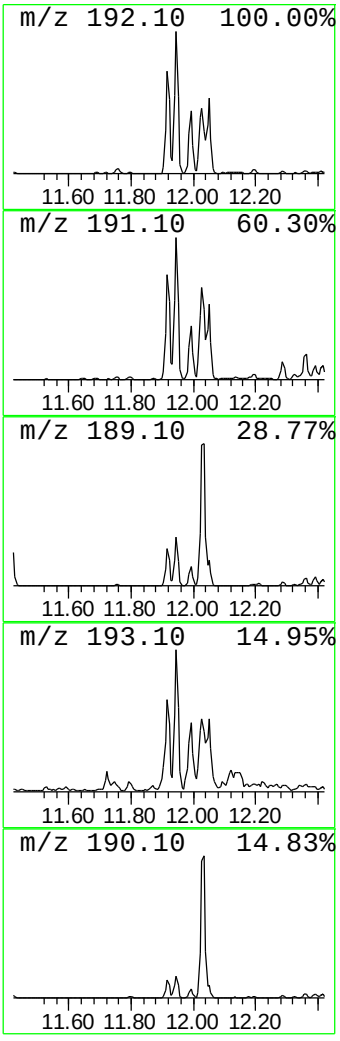
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	8.68 ng	658862	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Acq On : 20 Dec 2018 5:03
Operator : JU/SJ
Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

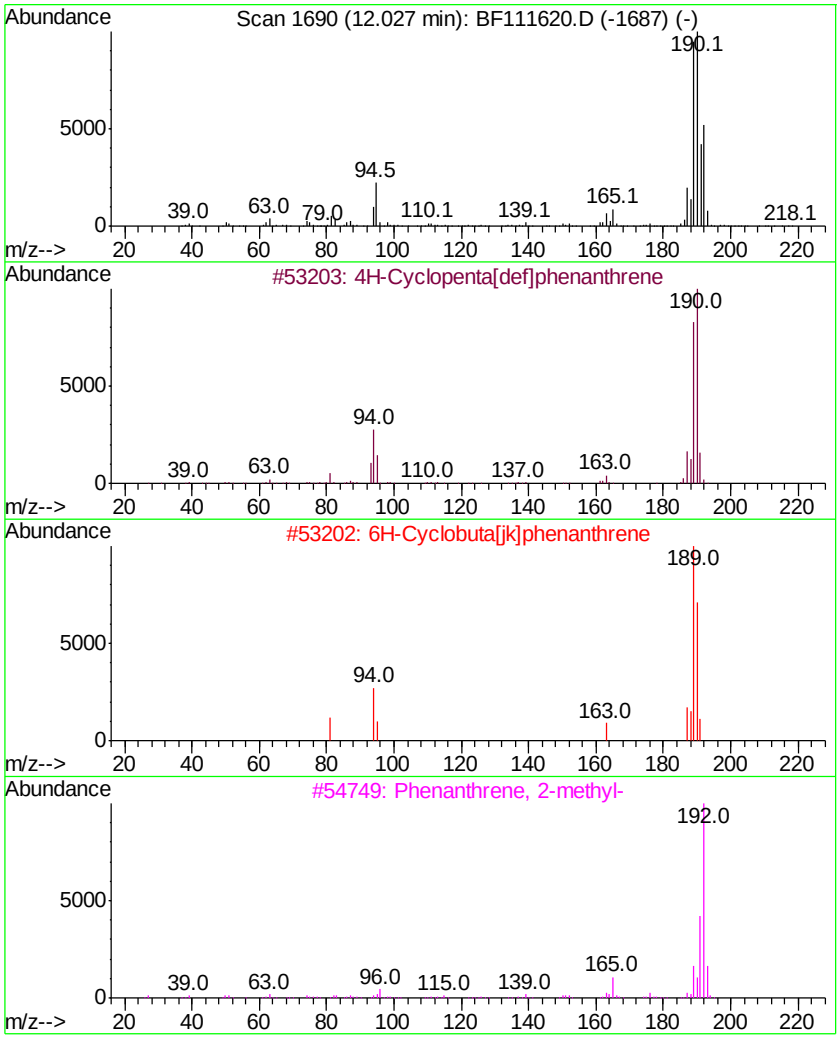
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

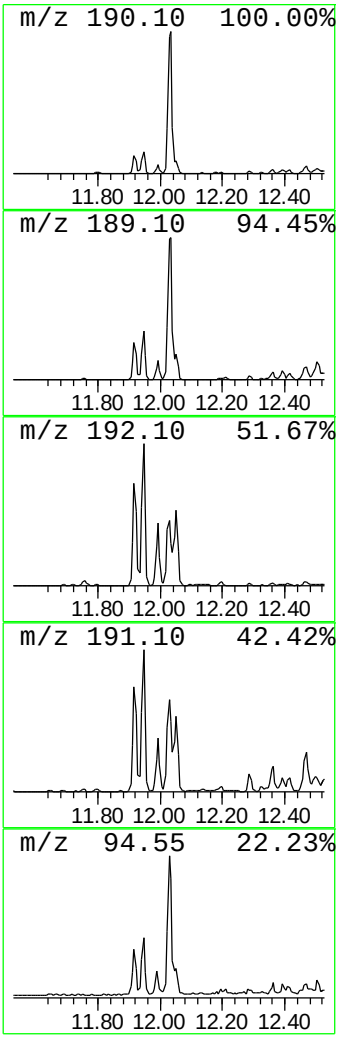
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	18.47 ng	1402250	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	20
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





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Sample : J6465-04
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Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

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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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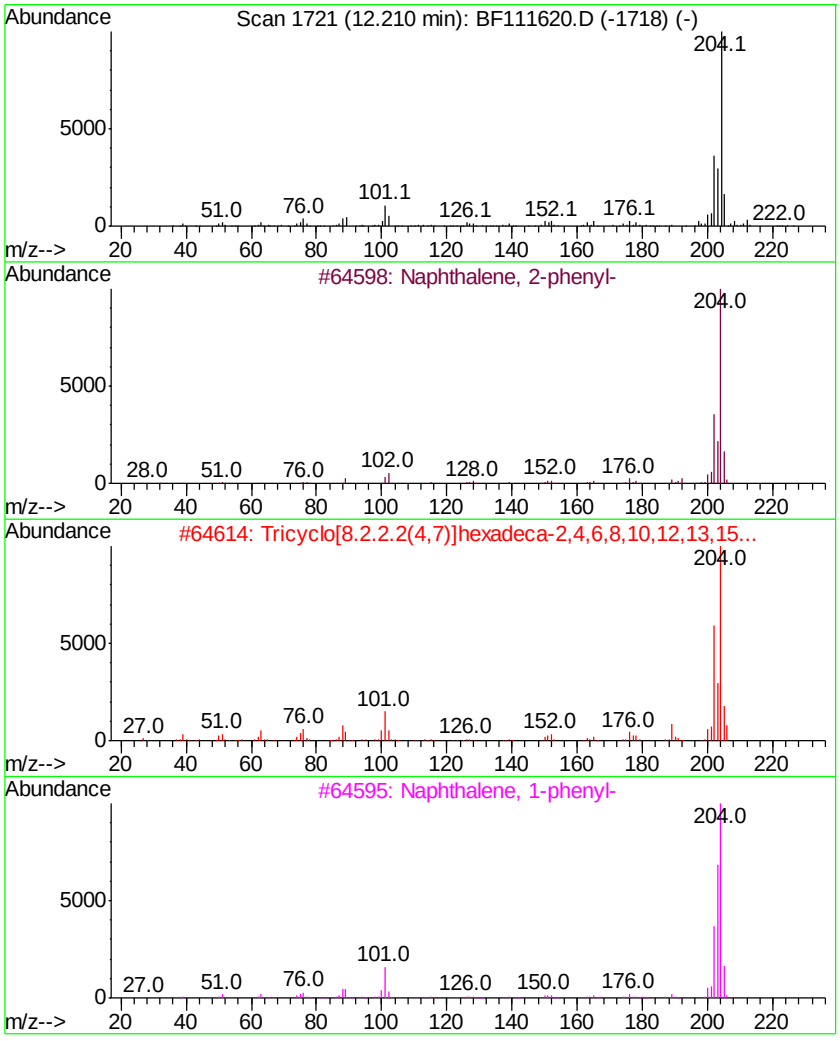
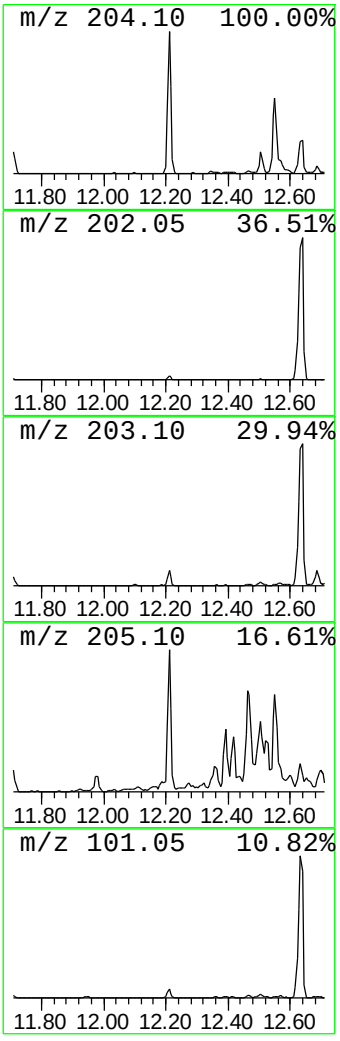
Peak Number 7 Naphthalene, 1-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	6.30 ng	478416	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	Levamisole	204	C11H12N2S	014769-73-4	52
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50





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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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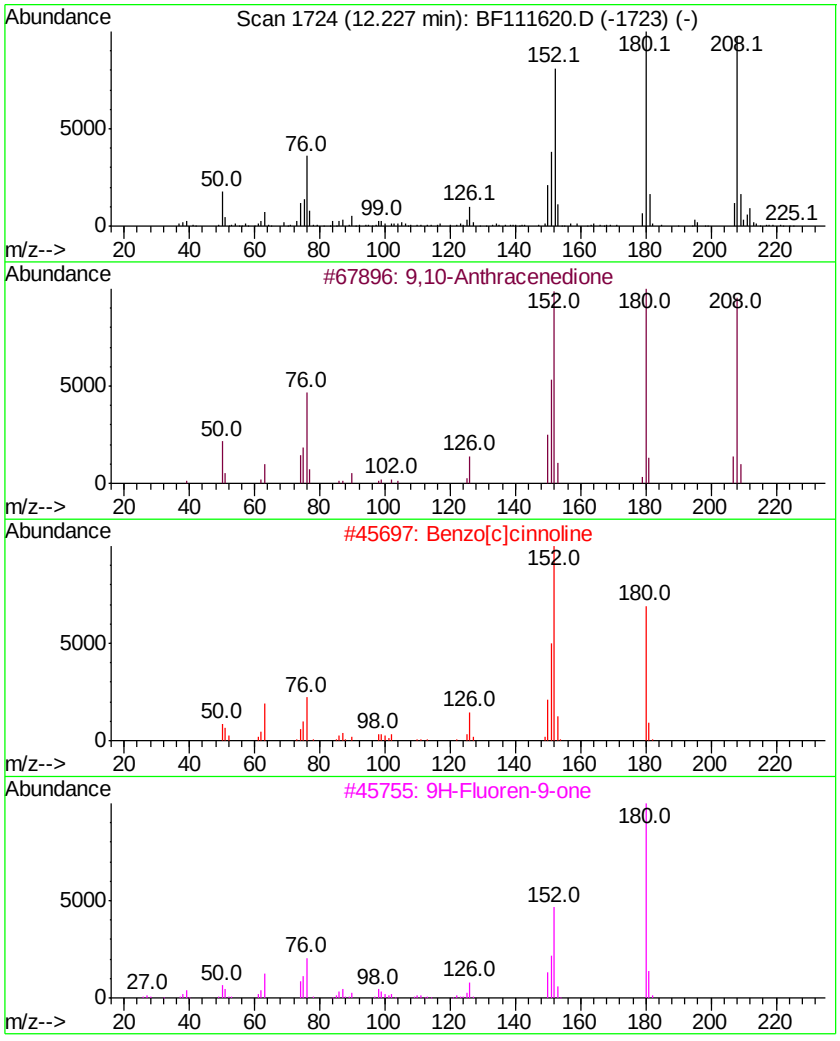
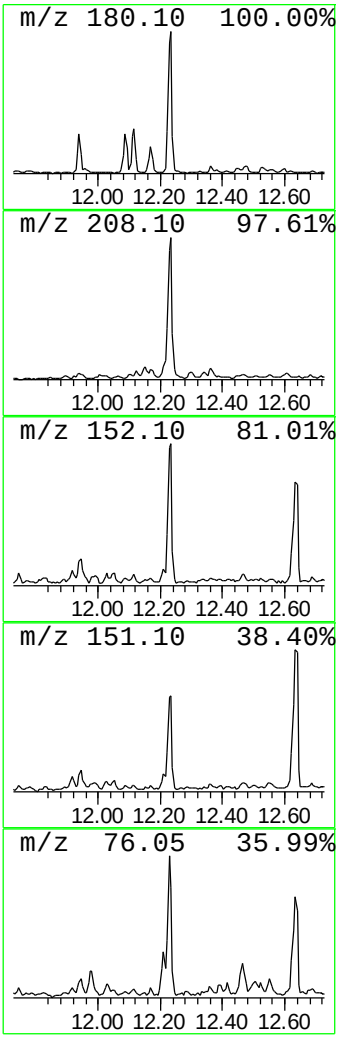
Peak Number 8 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	4.06 ng	308161	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	47





Library Search Compound Report

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Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

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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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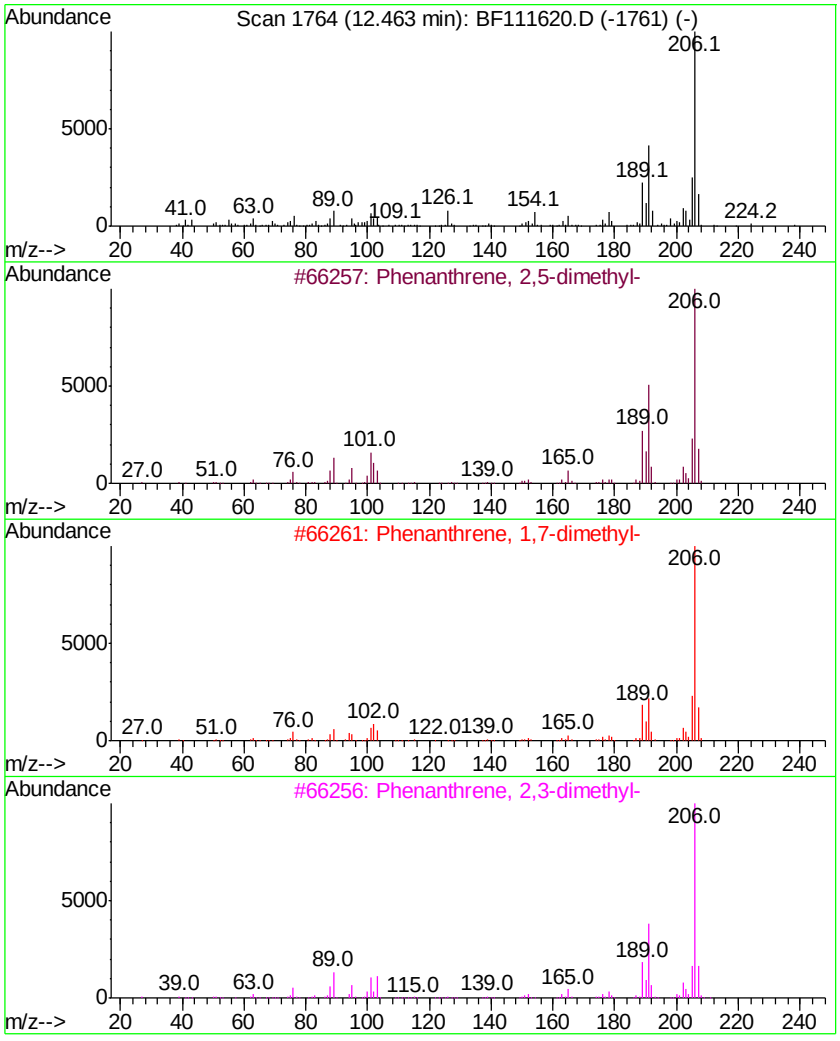
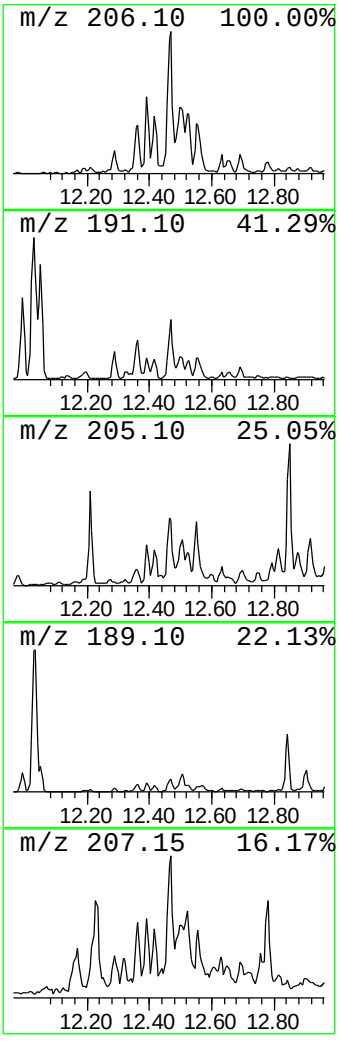
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	5.57 ng	423295	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





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Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

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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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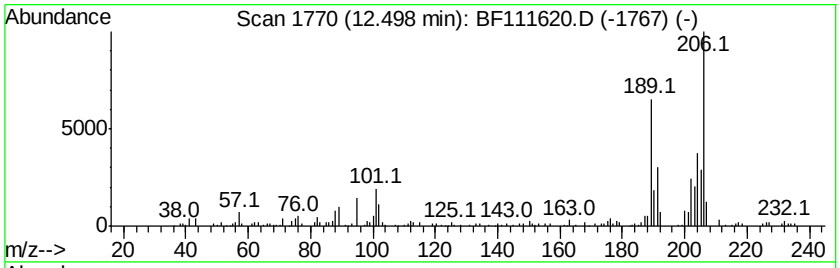
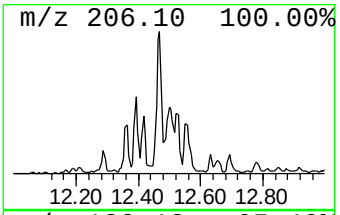
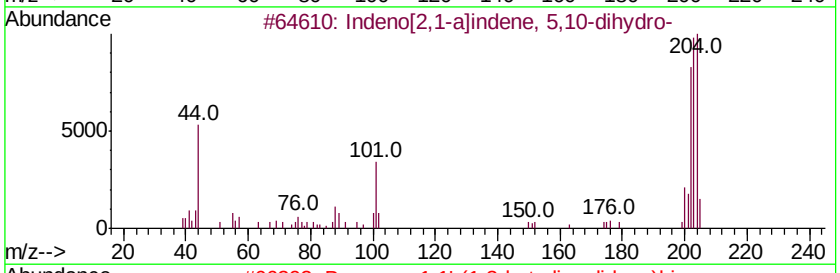
Peak Number 10 unknown12.50 Concentration Rank 18

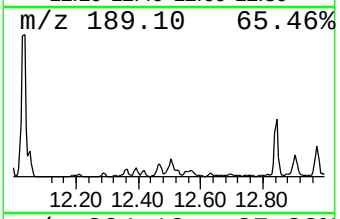
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	4.20 ng	318566	Phenanthrene-d10	11.42

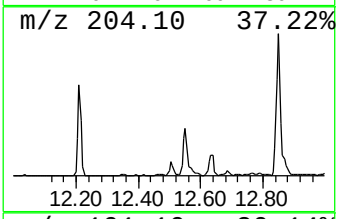
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	45
2	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	30

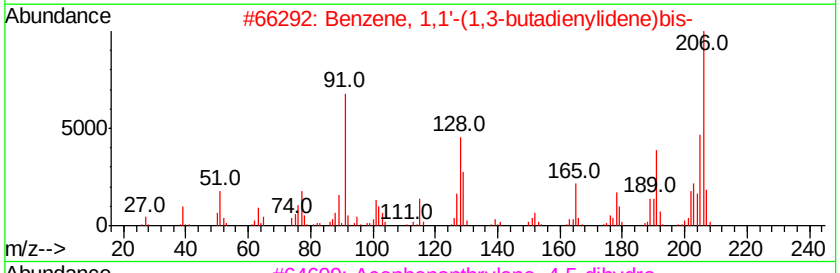


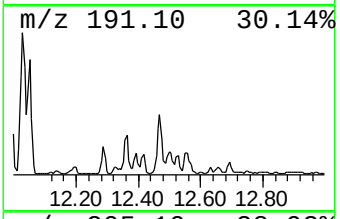


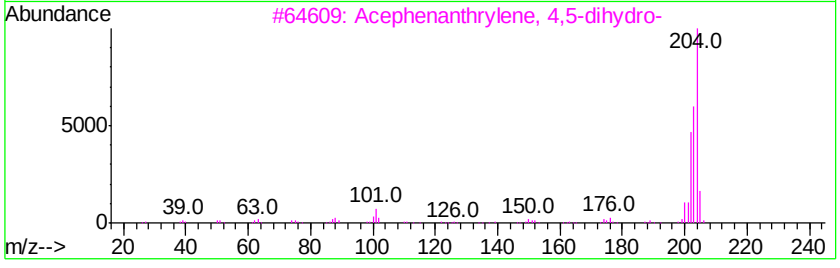


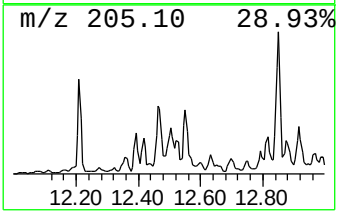












Library Search Compound Report

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Acq On : 20 Dec 2018 5:03
Operator : JU/SJ
Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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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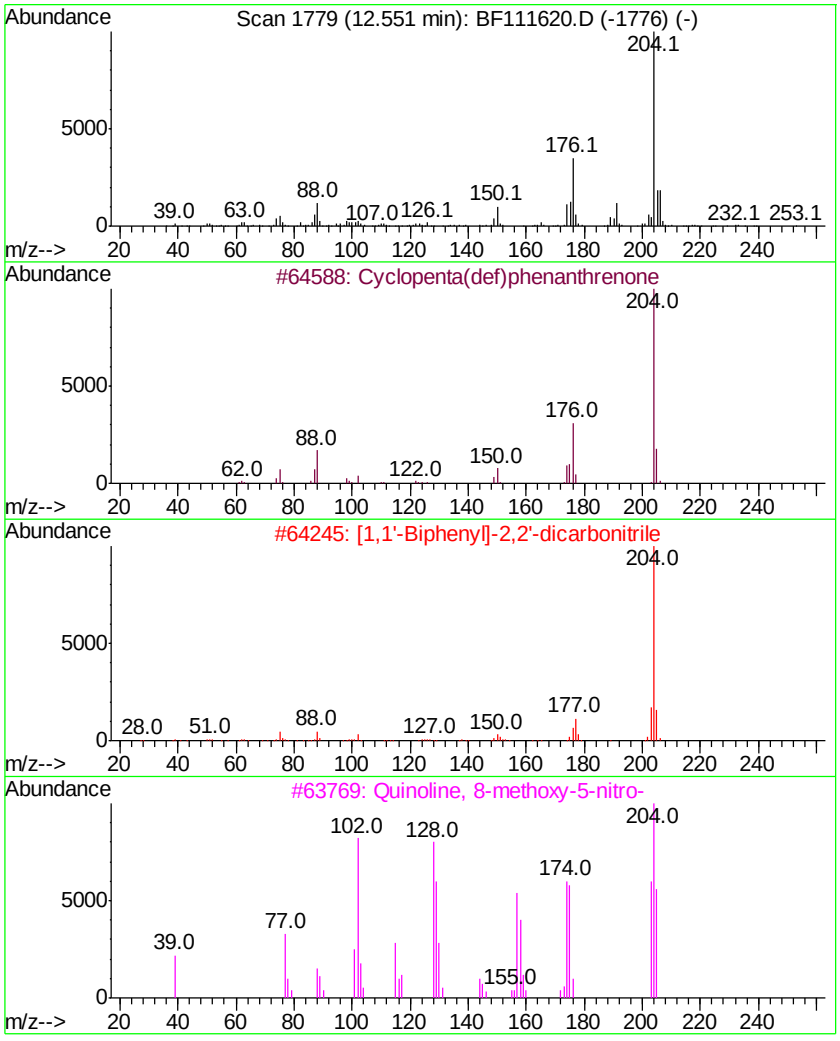
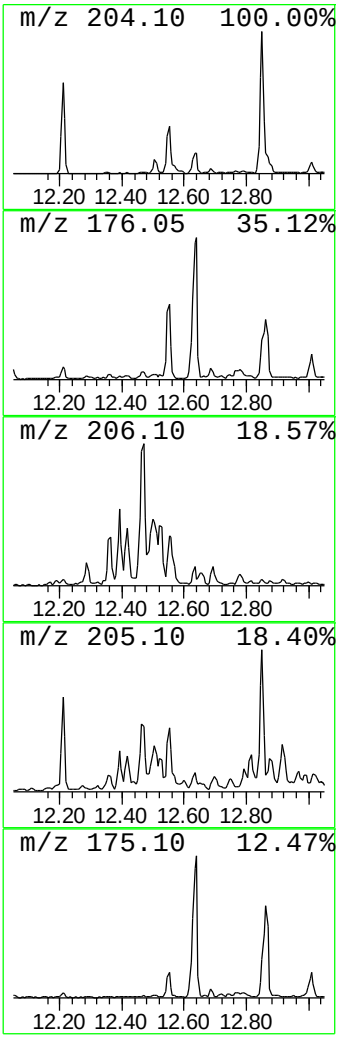
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	5.49 ng	416548	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
3	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47
4	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	47
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





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Misc :
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Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

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

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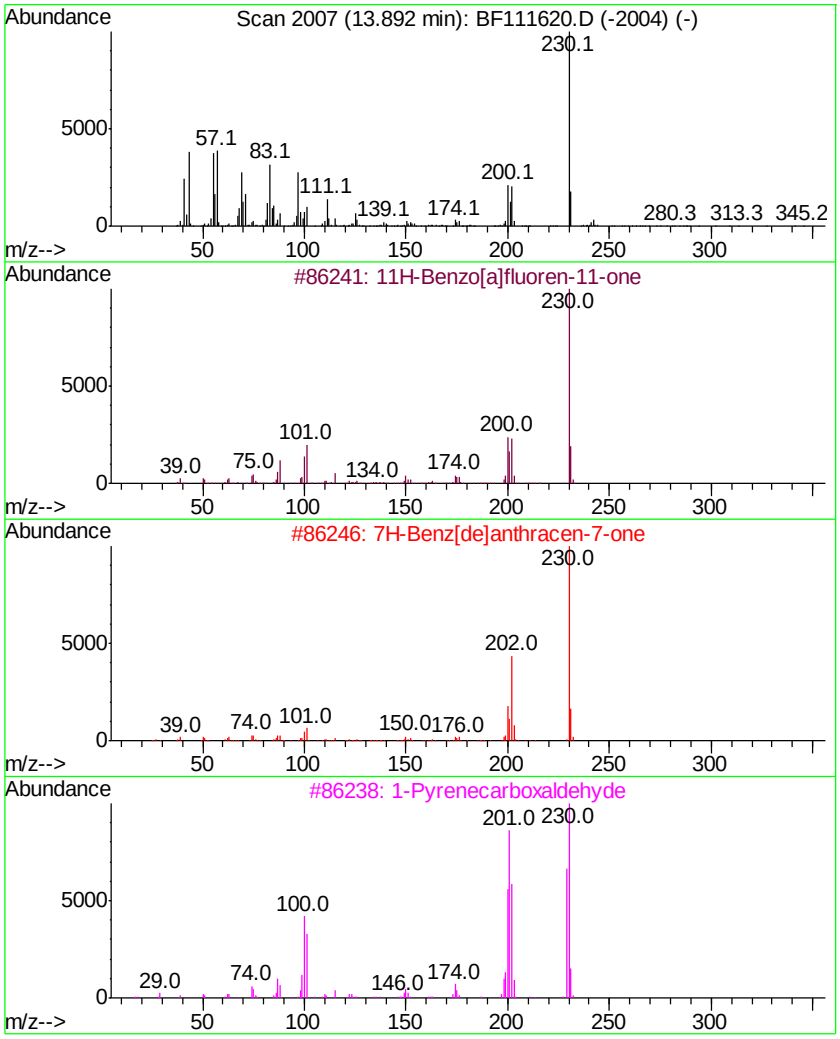
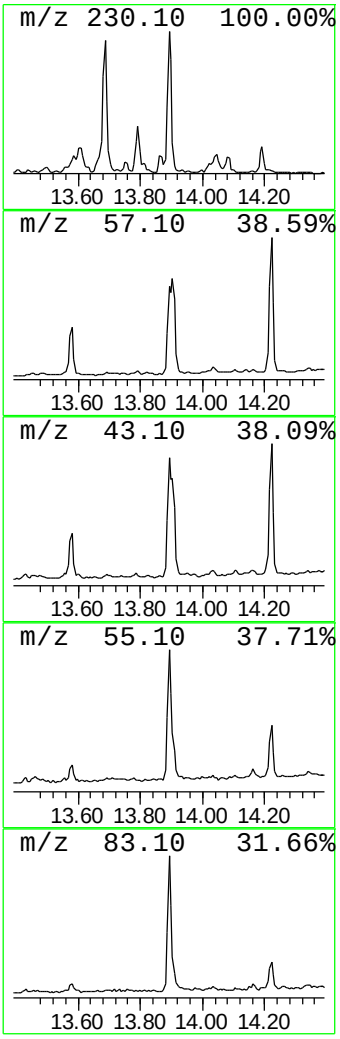
Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	6.00 ng	1963150	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	53
4	6,9-Dimethoxy-4-methyl-2,3-dihyd...	245	C14H15NO3	001723-11-1	40
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	38





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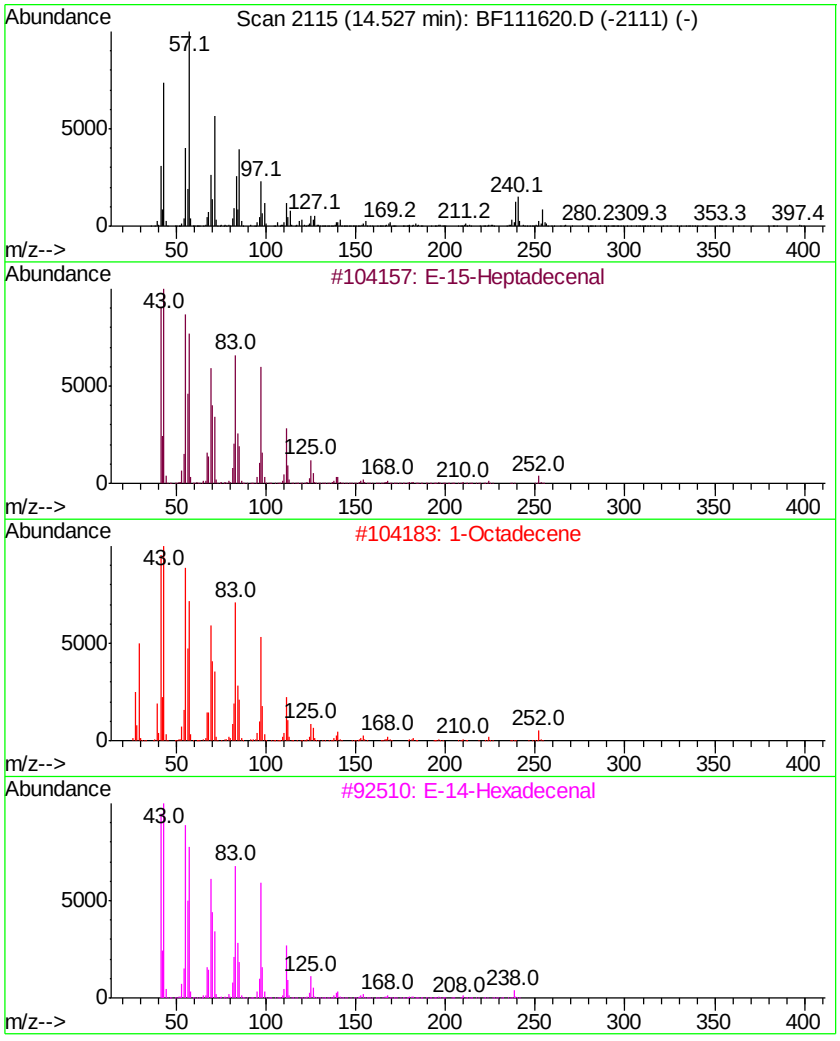
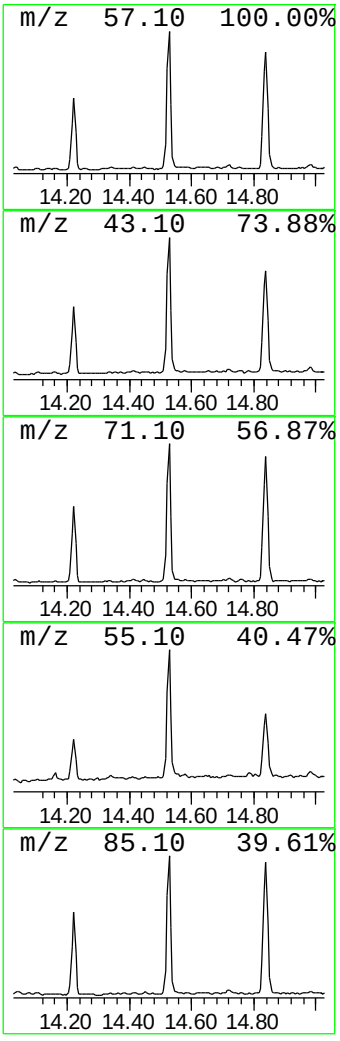
Peak Number 13 E-15-Heptadecenal Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	5.66 ng	1853320	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	E-15-Heptadecenal	252	C17H32O	1000130-97-9	93
2	1-Octadecene	252	C18H36	000112-88-9	92
3	E-14-Hexadecenal	238	C16H30O	330207-53-9	92
4	Heptadecane	240	C17H36	000629-78-7	91
5	Docosane, 5-butyl-	366	C26H54	055282-16-1	78





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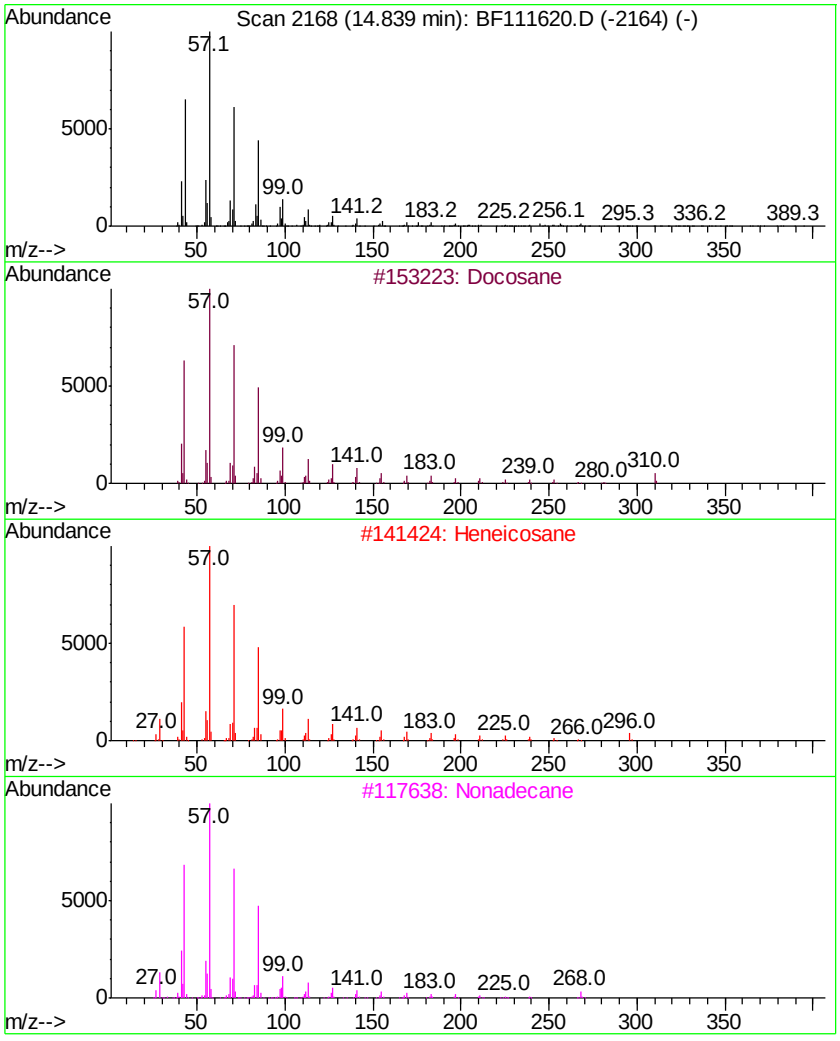
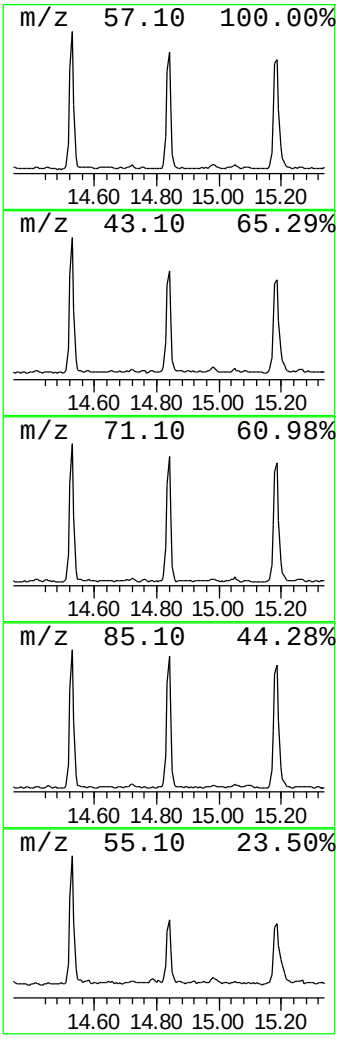
Peak Number 14 Docosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	28.24 ng	1472880	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	95
2	Heneicosane	296	C21H44	000629-94-7	95
3	Nonadecane	268	C19H40	000629-92-5	94
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
5	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93





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TIC Integration Parameters: LSCINT.P

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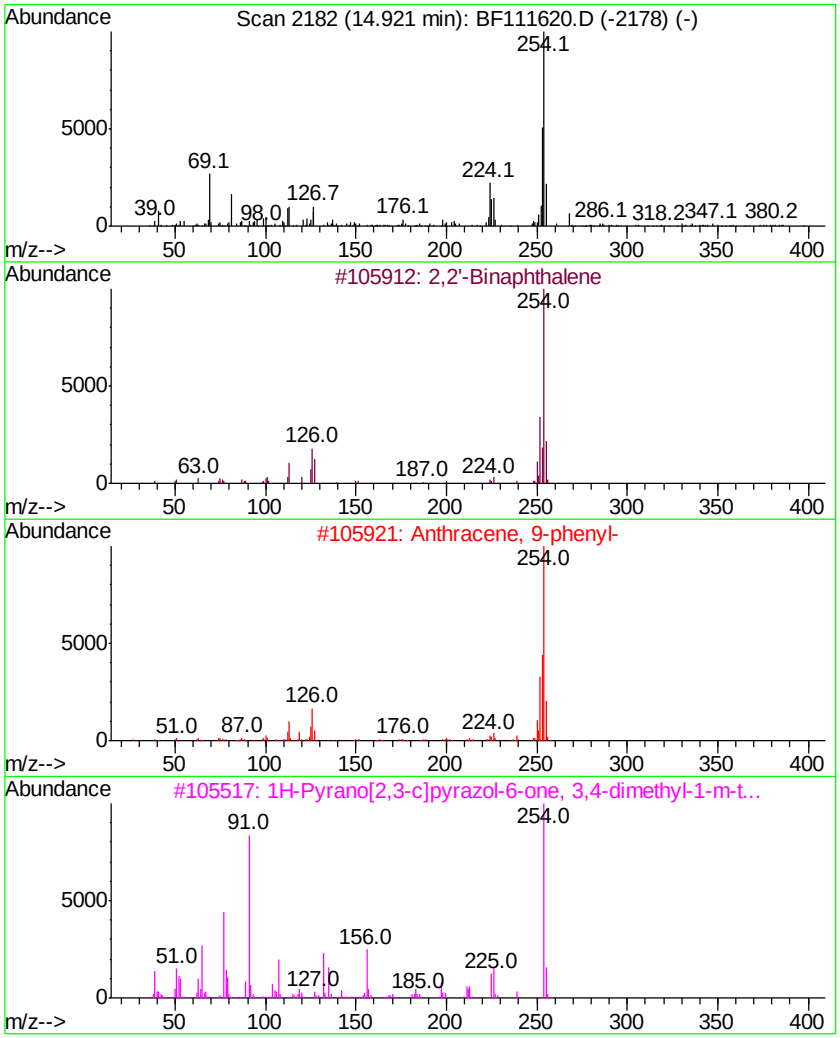
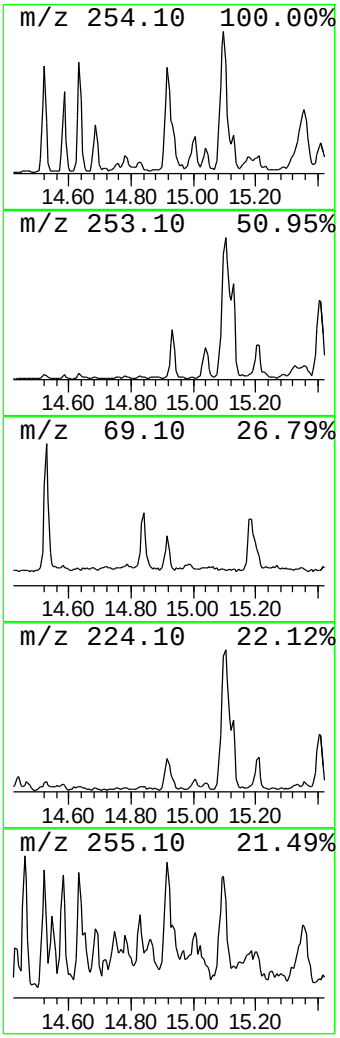
Peak Number 15 2,2'-Binaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	4.85 ng	252720	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Binaphthalene	254	C20H14	000612-78-2	58
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	53
3	1H-Pyrano[2,3-c]pyrazol-6-one, 3...	254	C15H14N2O2	1000316-21-1	50
4	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	50
5	N'-(3-Benzyl-5-cyano-3H-[1,2,3]t...	254	C13H14N6	1000301-19-6	47





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Data File : BF111620.D
Acq On : 20 Dec 2018 5:03
Operator : JU/SJ
Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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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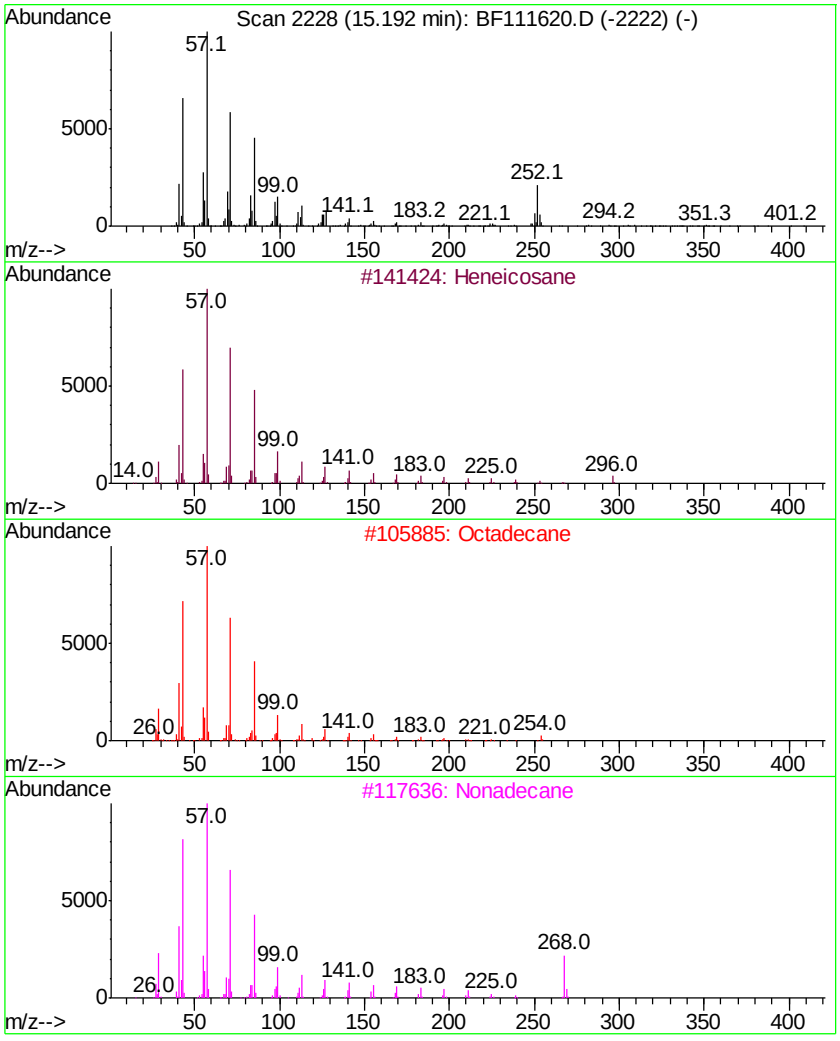
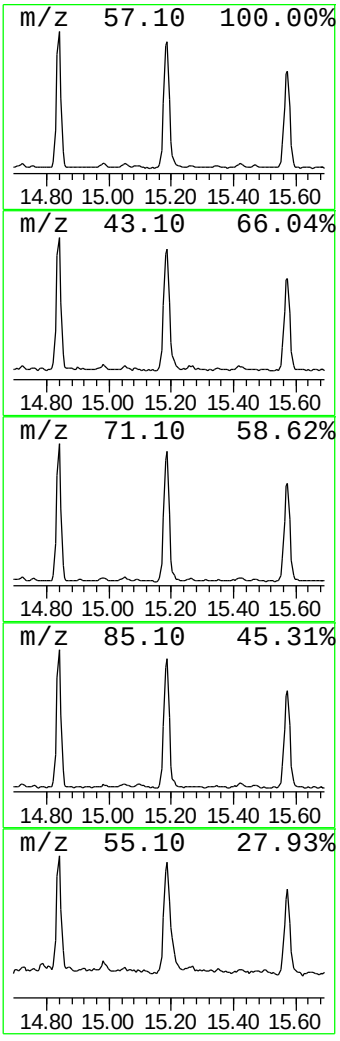
Peak Number 16 Heneicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	28.76 ng	1500310	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Octadecane	254	C18H38	000593-45-3	96
3	Nonadecane	268	C19H40	000629-92-5	93
4	Docosane	310	C22H46	000629-97-0	91
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	91





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Data File : BF111620.D
Acq On : 20 Dec 2018 5:03
Operator : JU/SJ
Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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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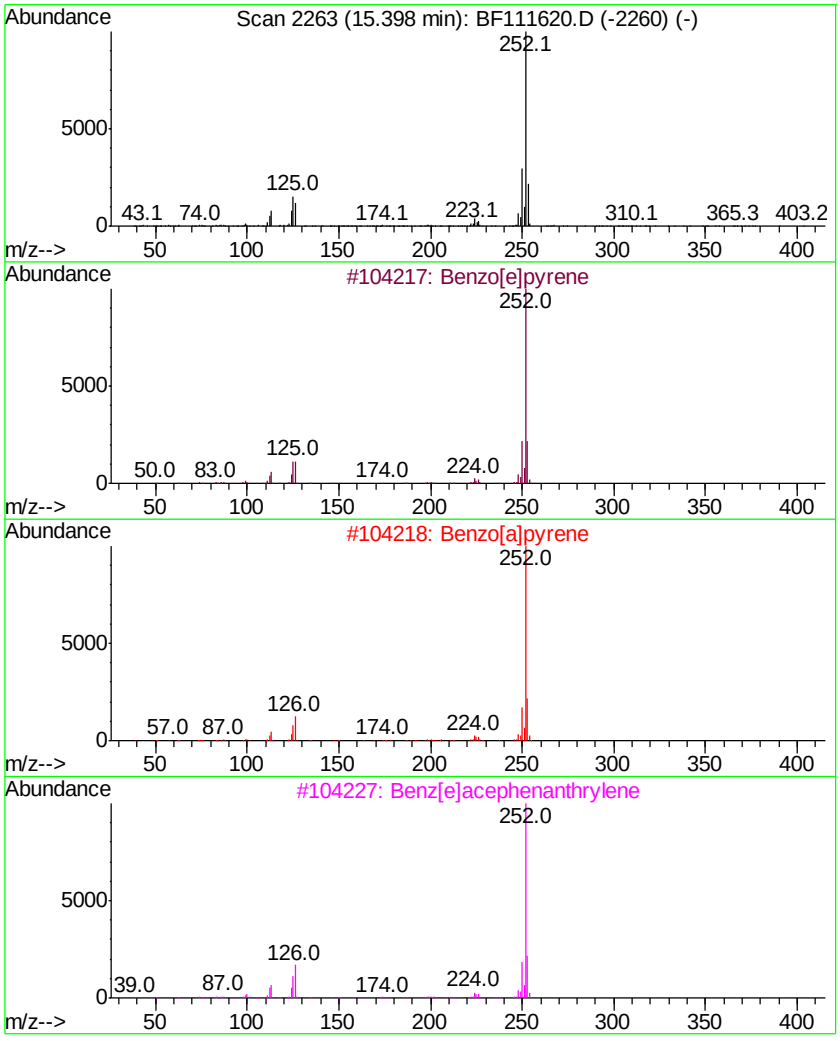
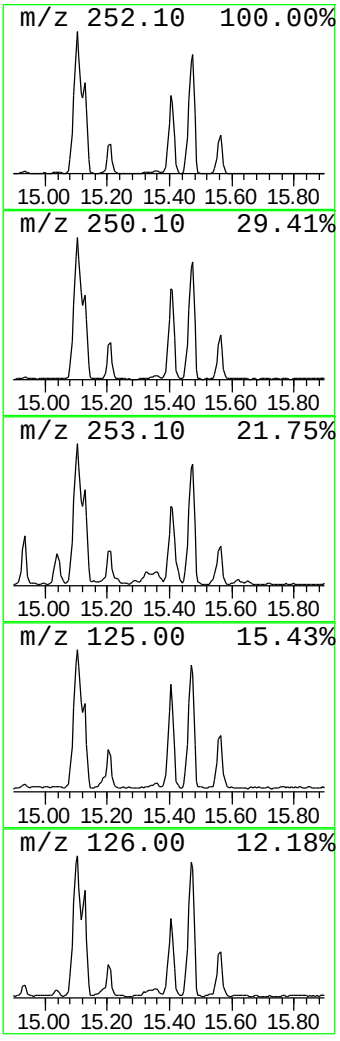
Peak Number 17 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	38.31 ng	1998360	Perylene-d12	15.53

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	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





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Data File : BF111620.D
Acq On : 20 Dec 2018 5:03
Operator : JU/SJ
Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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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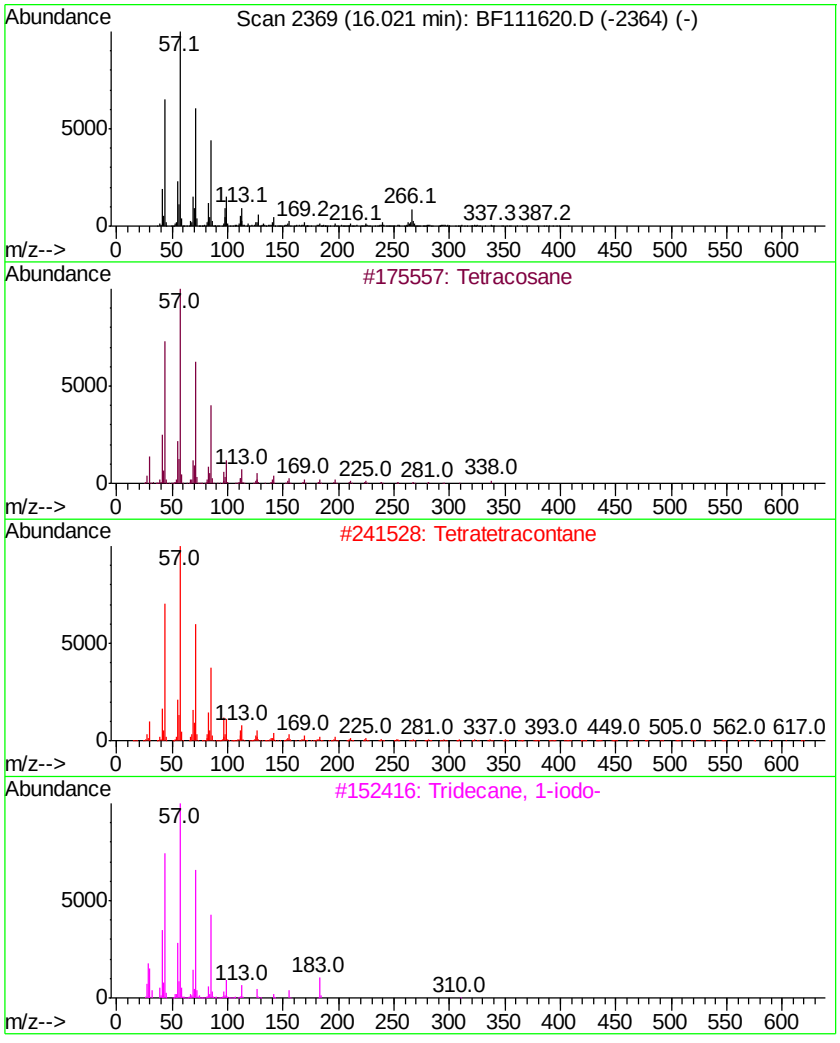
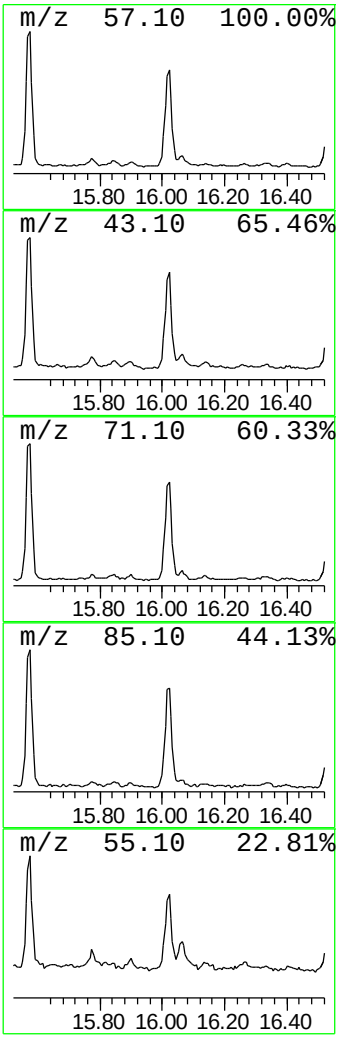
Peak Number 18 Tetracosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	19.55 ng	1019530	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	97
2	Tetratetracontane	619	C44H90	007098-22-8	93
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Heptacosane	380	C27H56	000593-49-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
Data File : BF111620.D
Acq On : 20 Dec 2018 5:03
Operator : JU/SJ
Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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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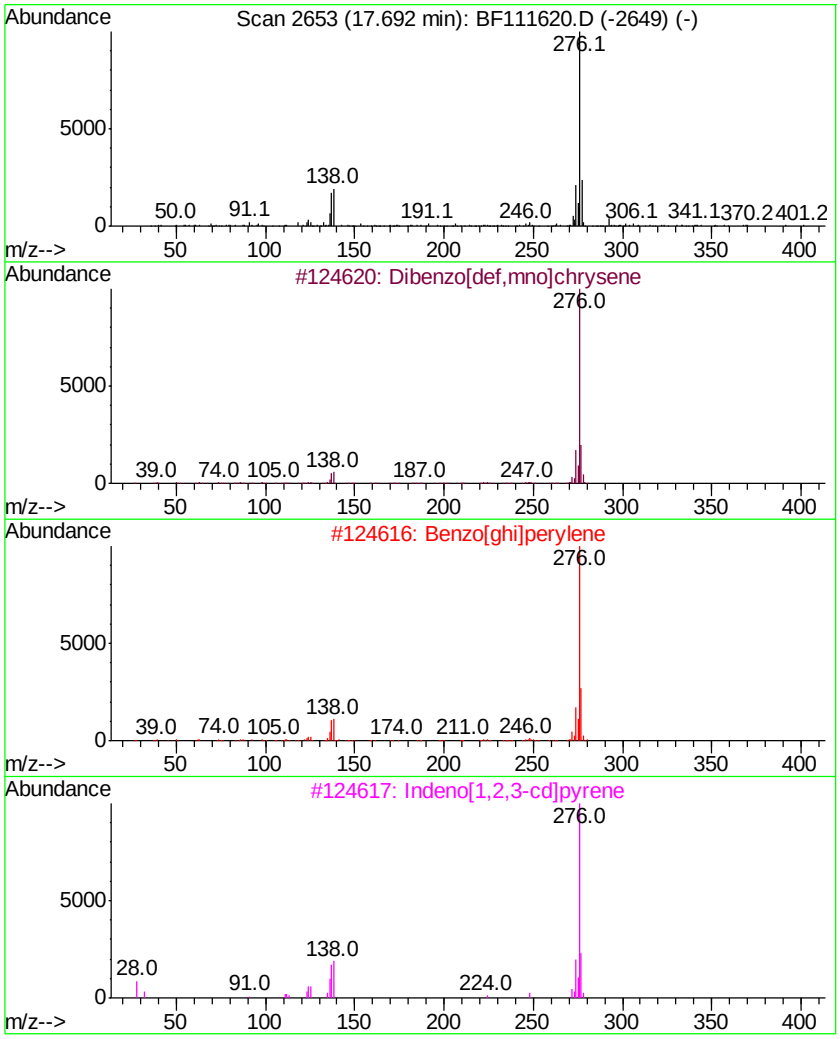
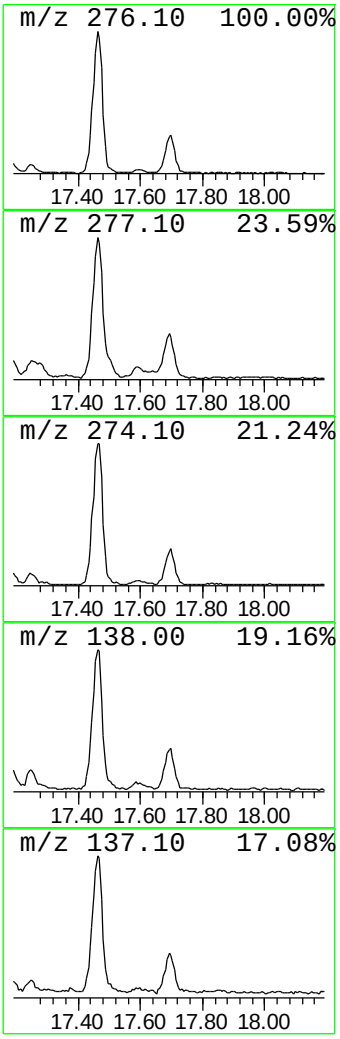
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	12.21 ng	636845	Perylene-d12	15.53

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	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	80
4	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121918\
Data File : BF111620.D
Acq On : 20 Dec 2018 5:03
Operator : JU/SJ
Sample : J6465-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EB03_1.5-3.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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...	5.12	4.3	ng	253315	1	6.90	1190570	20.0
unknown6.67	6.67	65.7	ng	3909700	1	6.90	1190570	20.0
Dibenzothiophene	11.31	4.2	ng	317056	4	11.42	1518630	20.0
Phenanthrene, 2-m...	11.92	8.7	ng	658862	4	11.42	1518630	20.0
4H-Cyclopenta[def...	12.03	18.5	ng	1402250	4	11.42	1518630	20.0
Naphthalene, 1-ph...	12.21	6.3	ng	478416	4	11.42	1518630	20.0
9,10-Anthracenedione	12.23	4.1	ng	308161	4	11.42	1518630	20.0
Phenanthrene, 2,5...	12.46	5.6	ng	423295	4	11.42	1518630	20.0
unknown12.50	12.50	4.2	ng	318566	4	11.42	1518630	20.0
Cyclopenta(def)ph...	12.55	5.5	ng	416548	4	11.42	1518630	20.0
11H-Benzo[a]fluor...	13.89	6.0	ng	1963150	5	14.06	6547130	20.0
E-15-Heptadecenal	14.53	5.7	ng	1853320	5	14.06	6547130	20.0
Docosane	14.84	28.2	ng	1472880	6	15.53	1043150	20.0
2,2'-Binaphthalene	14.92	4.8	ng	252720	6	15.53	1043150	20.0
Heneicosane	15.19	28.8	ng	1500310	6	15.53	1043150	20.0
Benzo[e]pyrene	15.40	38.3	ng	1998360	6	15.53	1043150	20.0
Tetracosane	16.02	19.6	ng	1019530	6	15.53	1043150	20.0
Dibenzo[def,mno]c...	17.69	12.2	ng	636845	6	15.53	1043150	20.0