LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111202.D
Acq On : 7 Dec 2018 22:17
Operator : JU/SJ
Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

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-BF120518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.998	488	495	502	rVB	352641	408621	4.34%	0.249%
2	5.416	561	566	569	rBV	5800625	5473377	58.11%	3.339%
3	6.428	733	738	743	rBV	6553647	6009931	63.81%	3.666%
4	6.569	758	762	766	rBV	6104664	5659135	60.08%	3.452%
5	6.804	798	802	806	rBV	3988233	3156668	33.51%	1.926%
6	6.963	825	829	832	rVB	5114108	4265875	45.29%	2.602%
7	7.357	892	896	900	rBV	3925822	3636094	38.60%	2.218%
8	8.086	1016	1020	1022	rBV	5210778	4155867	44.12%	2.535%
9	8.798	1137	1141	1144	rBV	352497	271616	2.88%	0.166%
10	8.898	1154	1158	1161	rVB	423803	340919	3.62%	0.208%
11	9.163	1199	1203	1206	rBV	6865211	5583604	59.28%	3.406%
12	9.427	1243	1248	1255	rBV	262029	389657	4.14%	0.238%
13	9.498	1255	1260	1263	rBV	530584	500491	5.31%	0.305%
14	9.527	1263	1265	1267	rVV	292541	233807	2.48%	0.143%
15	9.551	1267	1269	1272	rVV	658668	534836	5.68%	0.326%
16	9.580	1272	1274	1278	rVV	444141	399654	4.24%	0.244%
17	9.616	1278	1280	1286	rVB	265926	249033	2.64%	0.152%
18	9.698	1289	1294	1297	rBV	554407	453501	4.81%	0.277%
19	9.839	1312	1318	1321	rBV2	5199509	4450942	47.25%	2.715%
20	9.869	1321	1323	1326	rVB	955219	782896	8.31%	0.478%
21	10.039	1349	1352	1356	rVB	1264815	1067027	11.33%	0.651%
22	10.245	1383	1387	1392	rBV2	161812	270305	2.87%	0.165%
23	10.386	1407	1411	1416	rVB	1552430	1366755	14.51%	0.834%
24	10.451	1416	1422	1424	rBV2	200607	257395	2.73%	0.157%
25	10.545	1435	1438	1443	rVB	491910	462976	4.92%	0.282%
26	10.621	1447	1451	1456	rVV	4242381	3677914	39.05%	2.243%
27	10.751	1468	1473	1480	rVB4	195493	265397	2.82%	0.162%
28	10.933	1497	1504	1507	rBV3	357275	538835	5.72%	0.329%
29	11.063	1521	1526	1528	rBV3	268883	311844	3.31%	0.190%
30	11.121	1534	1536	1541	rVB	848737	747404	7.93%	0.456%
31	11.174	1541	1545	1548	rBV	288774	362929	3.85%	0.221%
32	11.216	1548	1552	1558	rVB	806933	794896	8.44%	0.485%
33	11.321	1566	1570	1572	rBV	4235235	3972284	42.17%	2.423%
34	11.351	1572	1575	1578	rVV	10420042	9419104	100.00%	5.746%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111202.D
Acq On : 7 Dec 2018 22:17
Operator : JU/SJ
Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

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-BF120518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.398	1578	1583	1586	rVV	2989930	2584290	27.44%	1.576%
36	11.427	1586	1588	1592	rVB4	293571	282683	3.00%	0.172%
37	11.545	1603	1608	1611	rBV2	905820	897421	9.53%	0.547%
38	11.621	1618	1621	1623	rVV2	259326	267769	2.84%	0.163%
39	11.651	1623	1626	1631	rVB3	294430	282031	2.99%	0.172%
40	11.821	1649	1655	1657	rVV	1385974	1216798	12.92%	0.742%
41	11.851	1657	1660	1665	rVV2	2687259	2519285	26.75%	1.537%
42	11.898	1665	1668	1671	rVV	689219	596670	6.33%	0.364%
43	11.933	1671	1674	1676	rVV	1926296	1896568	20.14%	1.157%
44	11.957	1676	1678	1681	rVB	885391	671691	7.13%	0.410%
45	12.116	1703	1705	1707	rBV	890735	772667	8.20%	0.471%
46	12.133	1707	1708	1713	rVB	717003	509860	5.41%	0.311%
47	12.374	1745	1749	1752	rBV	623184	710830	7.55%	0.434%
48	12.410	1752	1755	1757	rVV	357099	408020	4.33%	0.249%
49	12.451	1760	1762	1768	rVB2	582616	710632	7.54%	0.433%
50	12.539	1772	1777	1780	rBV	9599953	9162935	97.28%	5.589%
51	12.586	1780	1785	1789	rVV3	210849	345927	3.67%	0.211%
52	12.639	1789	1794	1796	rVV2	665744	748046	7.94%	0.456%
53	12.680	1799	1801	1806	rVB	373999	401109	4.26%	0.245%
54	12.763	1809	1815	1819	rBV2	7920696	9354200	99.31%	5.706%
55	12.810	1820	1823	1829	rVB2	423755	571753	6.07%	0.349%
56	12.880	1829	1835	1836	rBV	644515	575692	6.11%	0.351%
57	12.904	1836	1839	1846	rVB2	4502404	4304366	45.70%	2.626%
58	12.980	1846	1852	1855	rBV2	664283	1074798	11.41%	0.656%
59	13.063	1864	1866	1868	rBV2	470370	513378	5.45%	0.313%
60	13.086	1868	1870	1873	rVB	1153477	1030615	10.94%	0.629%
61	13.157	1878	1882	1884	rBV	623695	572677	6.08%	0.349%
62	13.192	1884	1888	1891	rBV2	1000986	981040	10.42%	0.598%
63	13.286	1901	1904	1906	rVB	412718	368853	3.92%	0.225%
64	13.315	1906	1909	1913	rBV2	467551	470622	5.00%	0.287%
65	13.386	1918	1921	1926	rBV3	409605	449505	4.77%	0.274%
66	13.492	1936	1939	1941	rVV3	255324	263315	2.80%	0.161%
67	13.592	1952	1956	1961	rVB	848573	940336	9.98%	0.574%
68	13.704	1971	1975	1978	rBV2	820349	1048522	11.13%	0.640%
69	13.733	1978	1980	1982	rVV	824776	695028	7.38%	0.424%
70	13.757	1982	1984	1988	rVV2	718407	971158	10.31%	0.592%
71	13.798	1988	1991	1993	rVV2	976397	957861	10.17%	0.584%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111202.D
Acq On : 7 Dec 2018 22:17
Operator : JU/SJ
Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

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-BF120518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.821	1993	1995	1998	rVV	370137	334564	3.55%	0.204%
73	13.874	2002	2004	2010	rVB2	222596	294754	3.13%	0.180%
74	13.951	2013	2017	2021	rVV3	5705216	8821535	93.66%	5.381%
75	13.986	2021	2023	2028	rVB	4308596	3630941	38.55%	2.215%
76	14.062	2034	2036	2039	rVV	572123	457961	4.86%	0.279%
77	14.139	2046	2049	2052	rVB	684209	587678	6.24%	0.358%
78	14.174	2052	2055	2059	rBV2	561006	632958	6.72%	0.386%
79	14.274	2069	2072	2075	rVV2	296827	328951	3.49%	0.201%
80	14.310	2075	2078	2079	rVV	294698	297420	3.16%	0.181%
81	14.345	2079	2084	2086	rVV	951112	1176707	12.49%	0.718%
82	14.374	2086	2089	2092	rVV2	600697	649464	6.90%	0.396%
83	14.439	2094	2100	2102	rVV4	616448	1013072	10.76%	0.618%
84	14.468	2102	2105	2106	rVV	502599	534647	5.68%	0.326%
85	14.486	2106	2108	2112	rVV3	414898	532088	5.65%	0.325%
86	14.539	2112	2117	2123	rVB4	314776	503576	5.35%	0.307%
87	14.639	2131	2134	2137	rBV2	217481	296243	3.15%	0.181%
88	14.745	2150	2152	2158	rVB3	427572	525737	5.58%	0.321%
89	14.821	2160	2165	2172	rBV4	436614	746069	7.92%	0.455%
90	14.892	2174	2177	2180	rBV2	222254	267870	2.84%	0.163%
91	14.986	2188	2193	2196	rBV	3657218	5983095	63.52%	3.650%
92	15.086	2203	2210	2216	rVB3	956001	1345089	14.28%	0.820%
93	15.274	2238	2242	2248	rVB	2203842	2925667	31.06%	1.785%
94	15.339	2248	2253	2258	rBV	3058089	3831941	40.68%	2.337%
95	15.398	2258	2263	2266	rBV	2635674	3369581	35.77%	2.055%
96	15.427	2266	2268	2270	rVB	524166	441525	4.69%	0.269%
97	15.868	2340	2343	2347	rVB2	275071	363830	3.86%	0.222%
98	16.803	2497	2502	2510	rVB2	1101254	2085204	22.14%	1.272%
99	17.027	2538	2540	2545	rVB2	178172	233744	2.48%	0.143%
100	17.227	2568	2574	2585	rBV	563871	1125533	11.95%	0.687%

Sum of corrected areas: 163937984

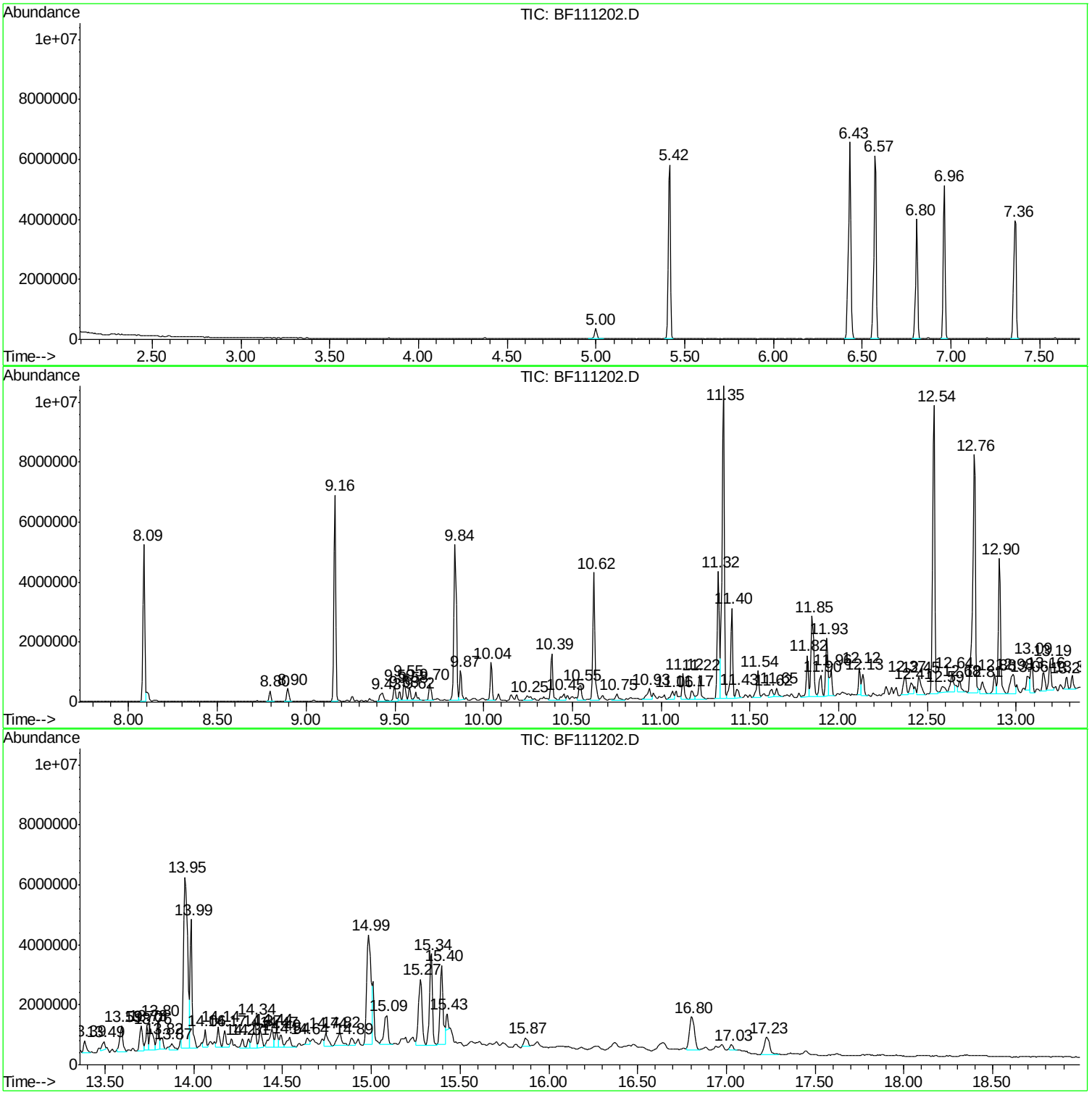
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111202.D
Acq On : 7 Dec 2018 22:17
Operator : JU/SJ
Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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\BF120718\
Data File : BF111202.D
Acq On : 7 Dec 2018 22:17
Operator : JU/SJ
Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

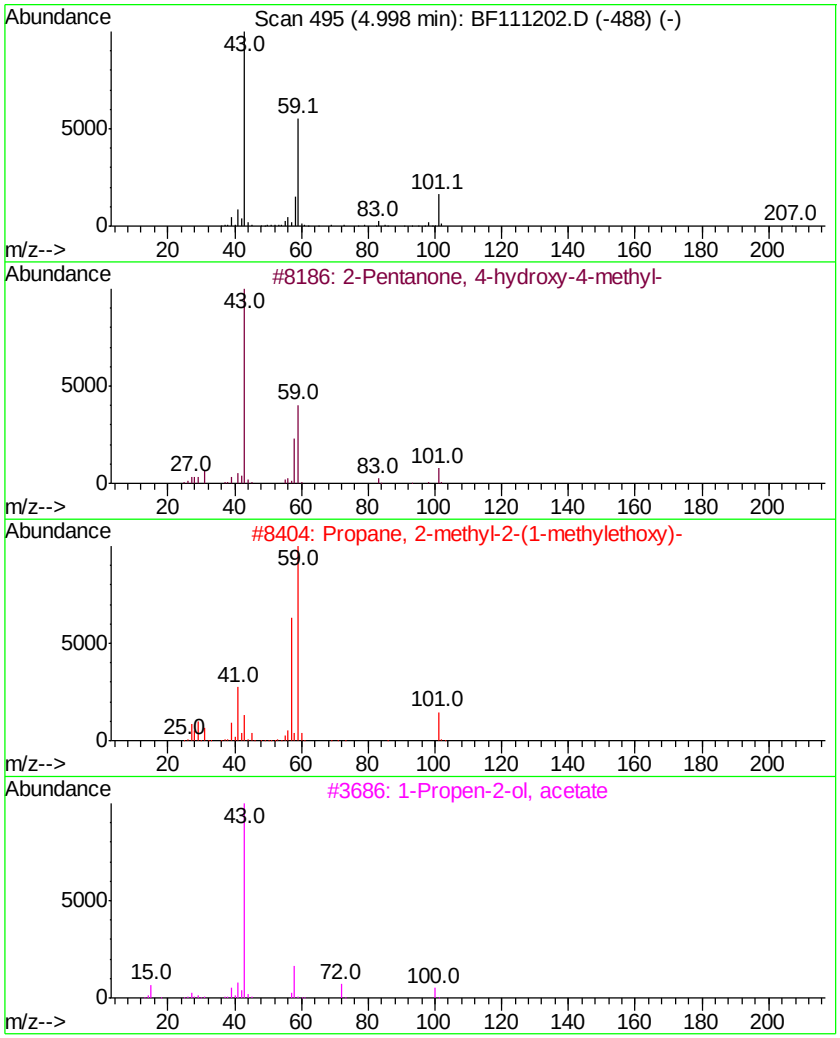
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

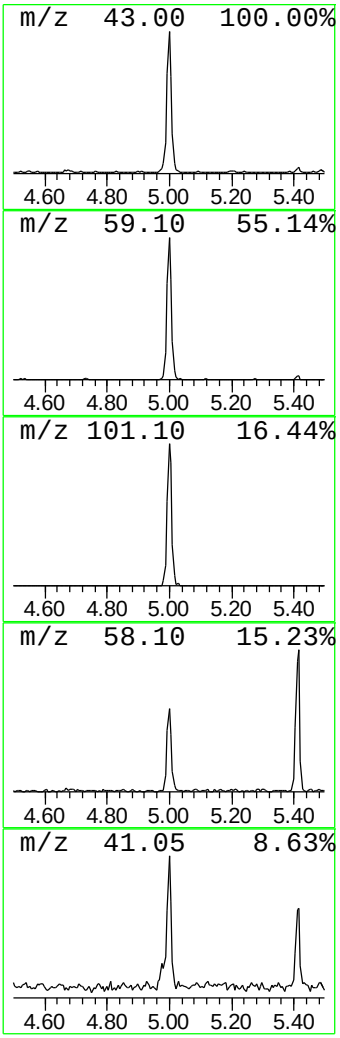
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	2.59 ng	408621	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111202.D
Acq On : 7 Dec 2018 22:17
Operator : JU/SJ
Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

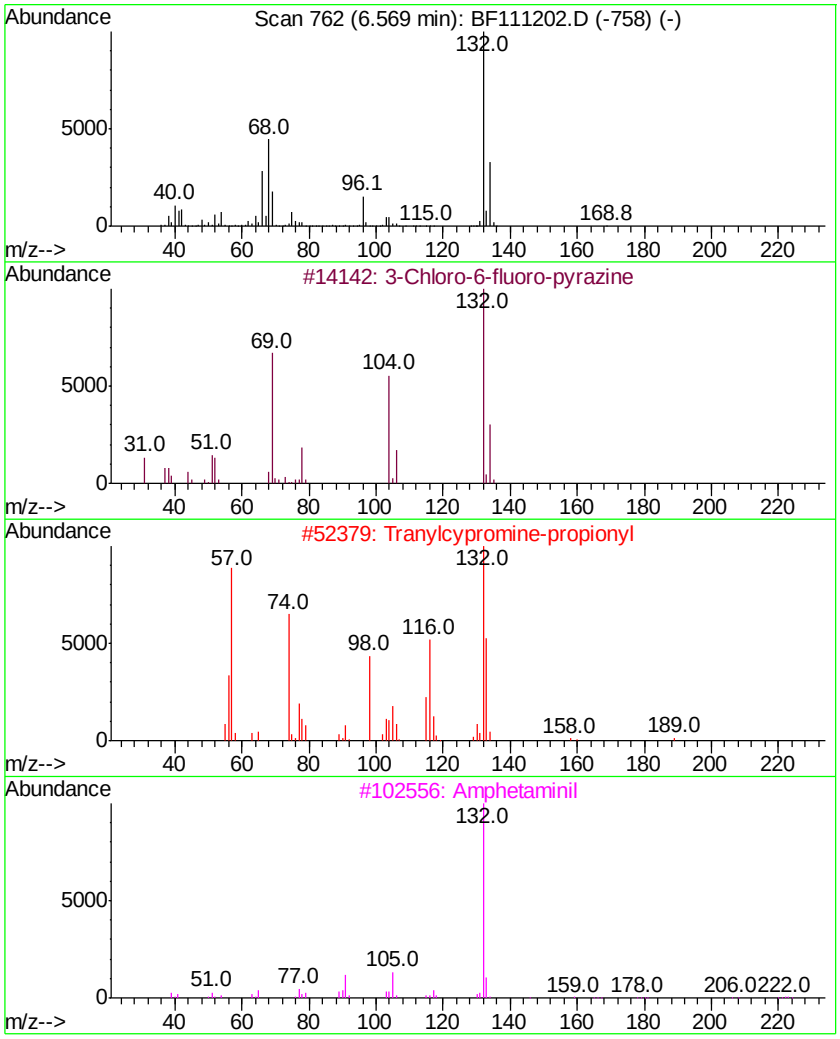
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

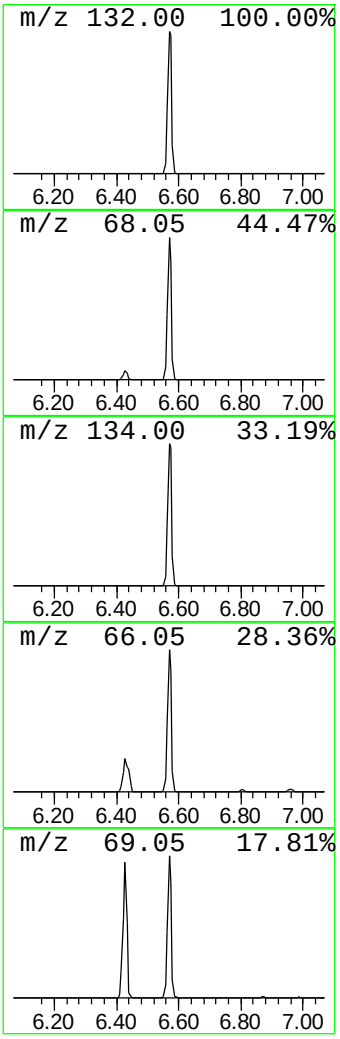
****

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	35.86 ng	5659140	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Amphetaminil	250	C17H18N2	017590-01-1	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111202.D
Acq On : 7 Dec 2018 22:17
Operator : JU/SJ
Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

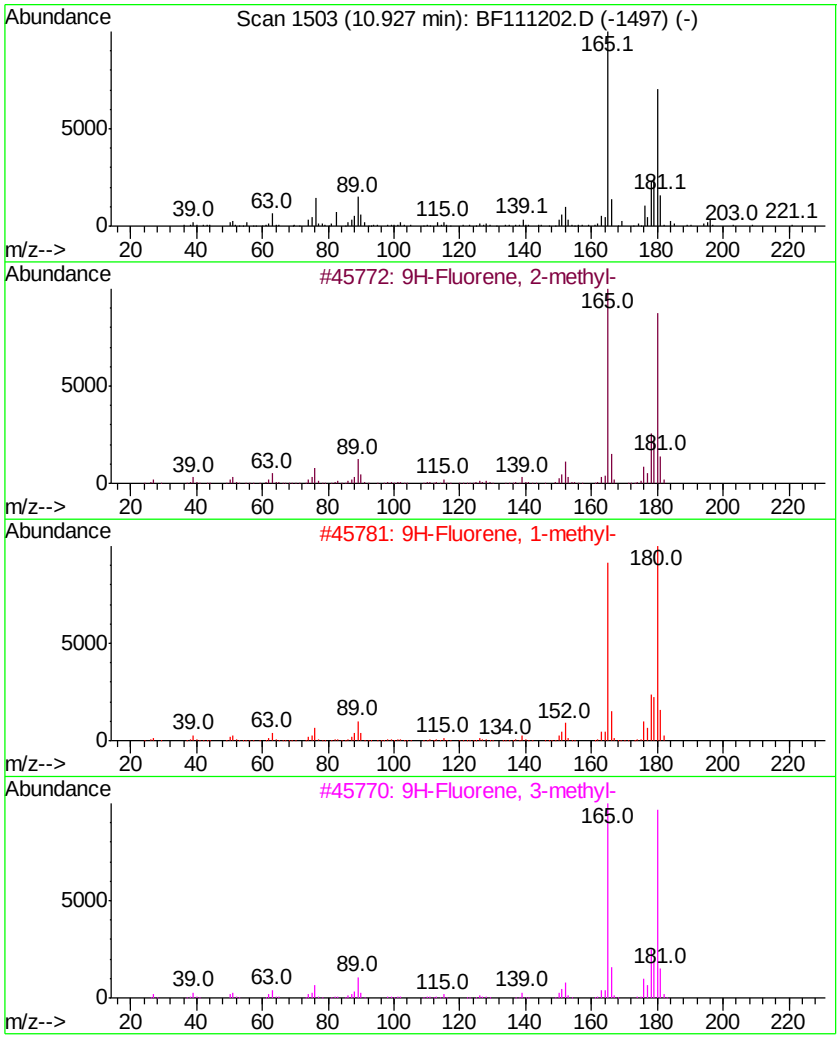
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

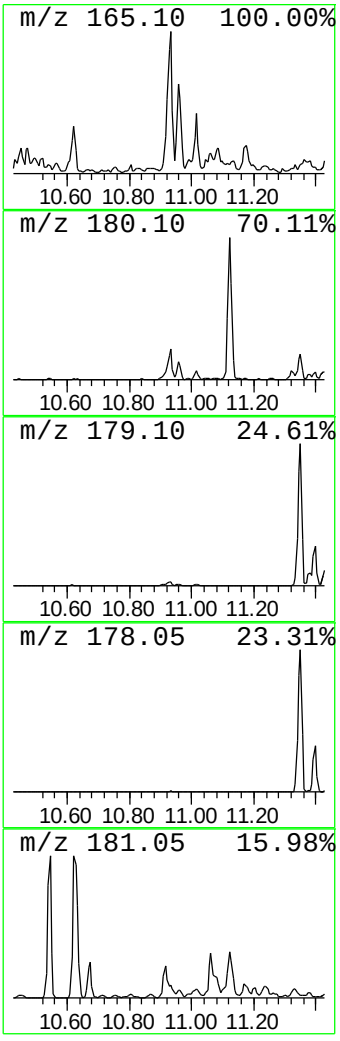
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	2.71 ng	538835	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111202.D
Acq On : 7 Dec 2018 22:17
Operator : JU/SJ
Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

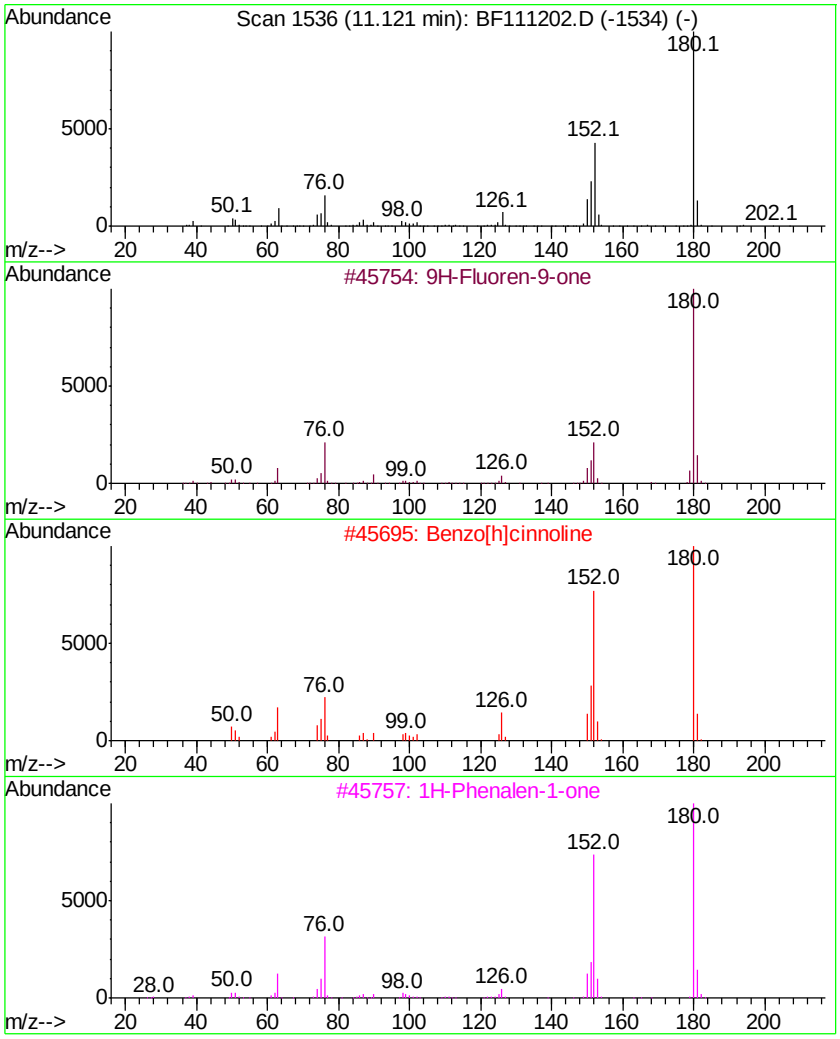
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

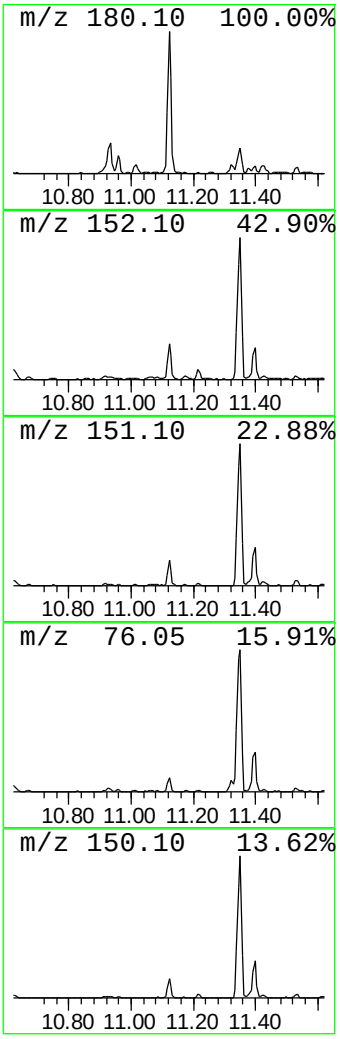
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	3.76 ng	747404	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4	1H-1,2,4-Triazole, 3-(5-nitro-2-...	180	C6H4N4O3	005019-55-6	43
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111202.D
Acq On : 7 Dec 2018 22:17
Operator : JU/SJ
Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

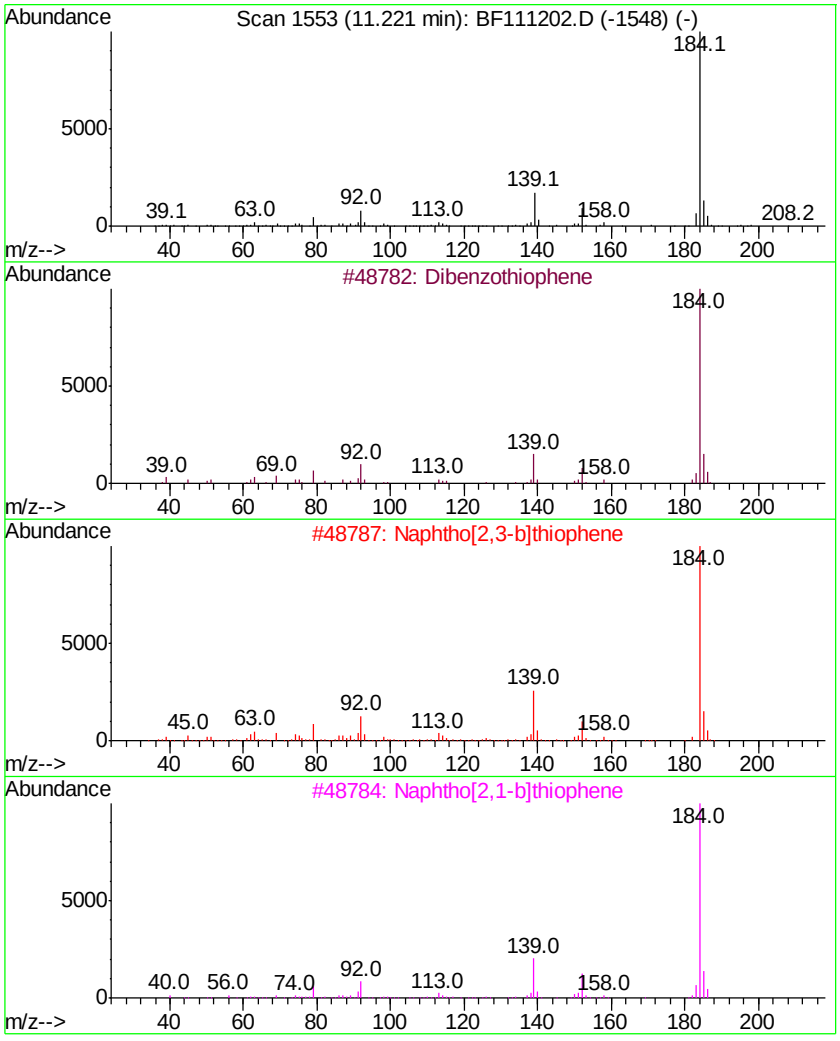
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

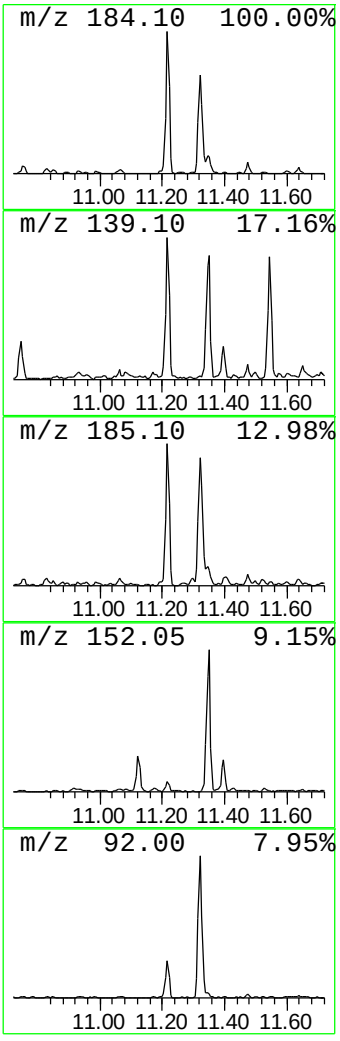
****

Peak Number 6 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	4.00 ng	794896	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	64





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Acq On : 7 Dec 2018 22:17
Operator : JU/SJ
Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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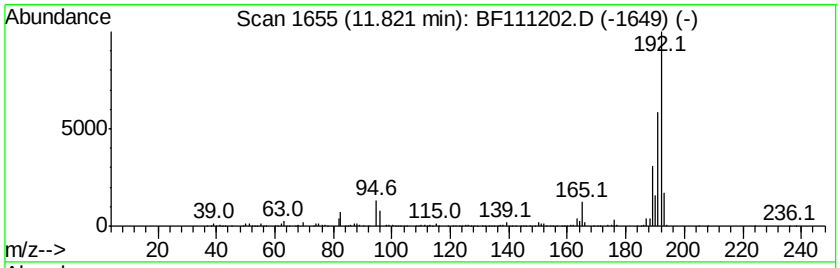
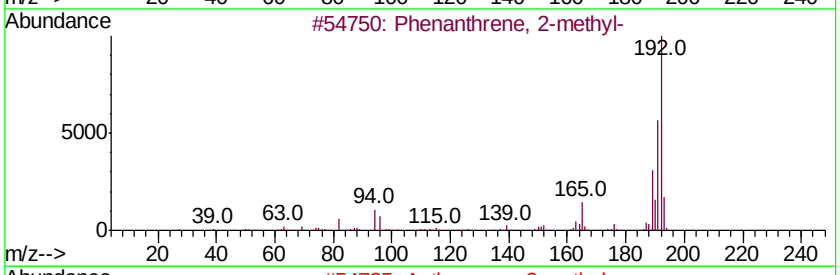
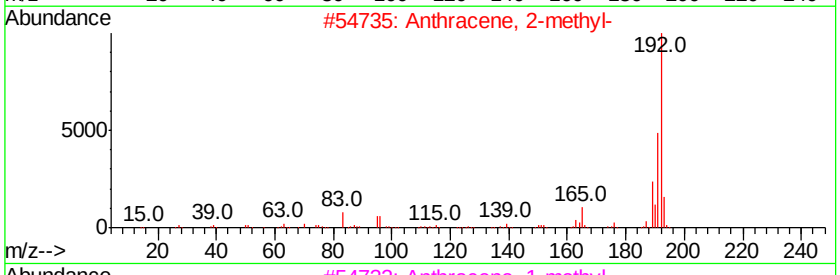
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

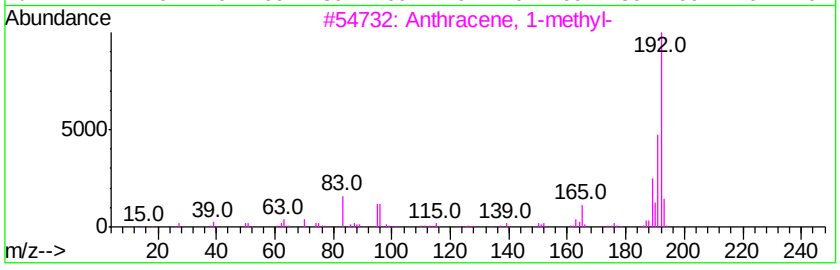
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	6.13 ng	1216800	Phenanthrene-d10	11.32

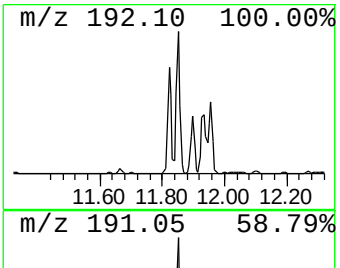
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91

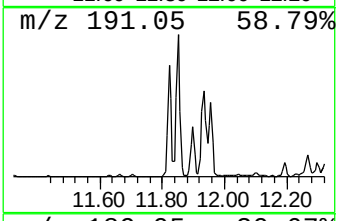


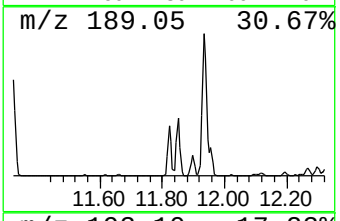


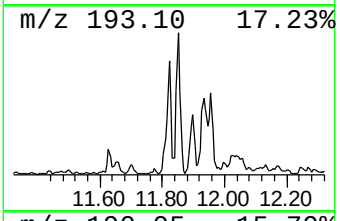


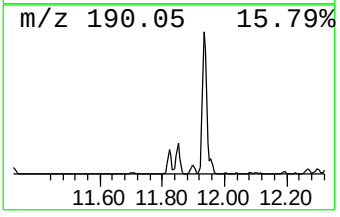












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Acq On : 7 Dec 2018 22:17
Operator : JU/SJ
Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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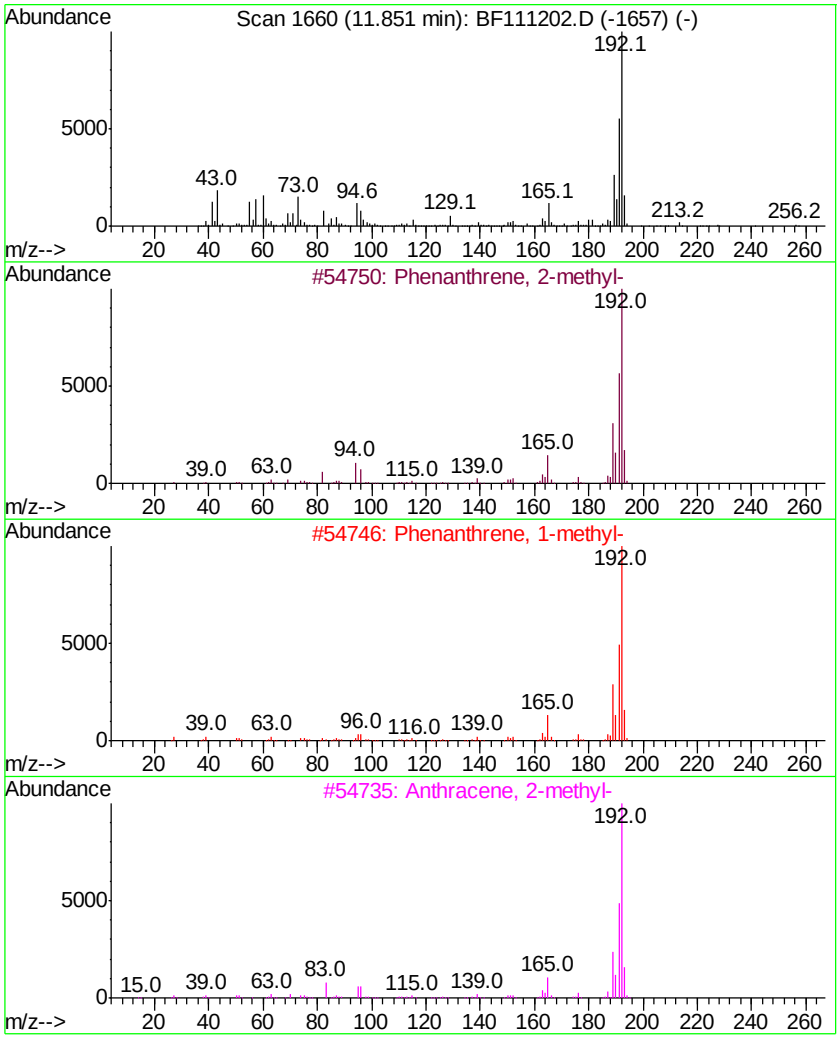
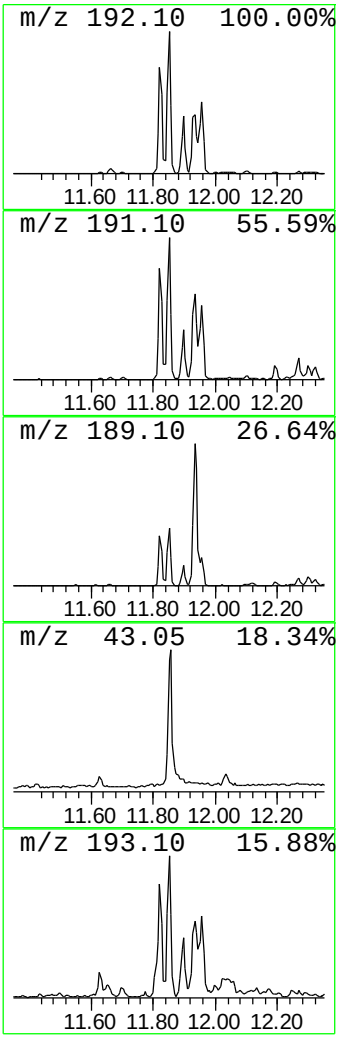
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	12.68 ng	2519290	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96





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Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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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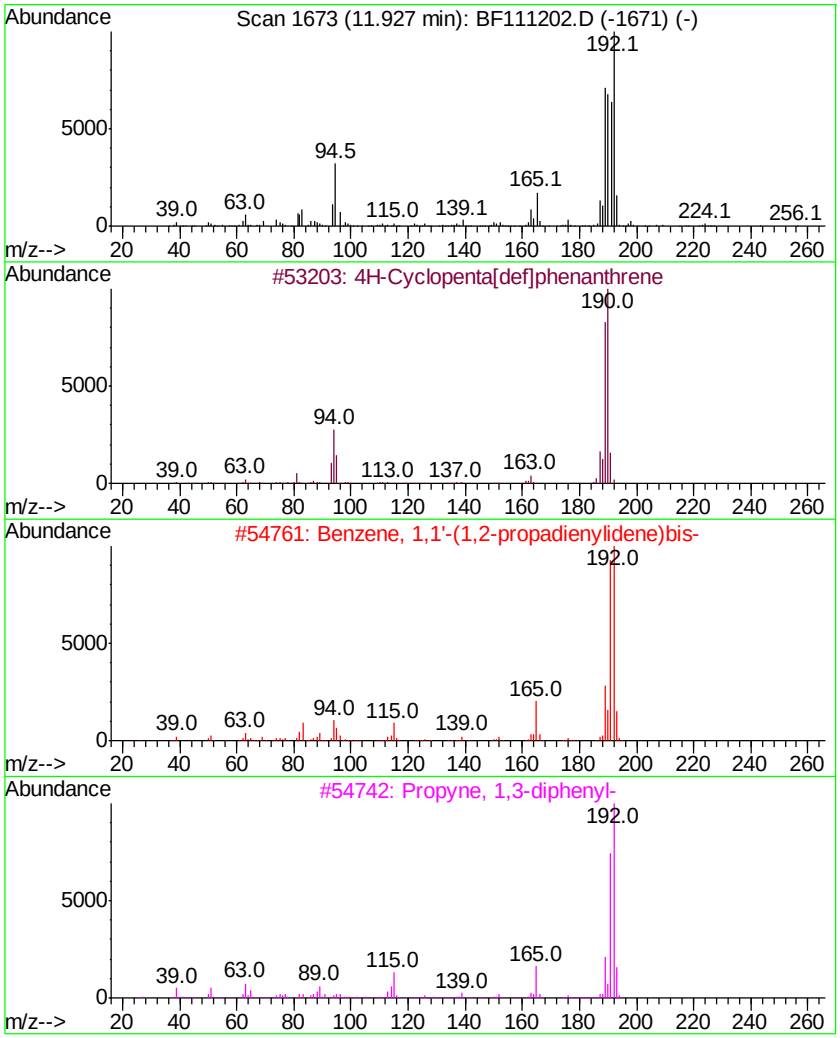
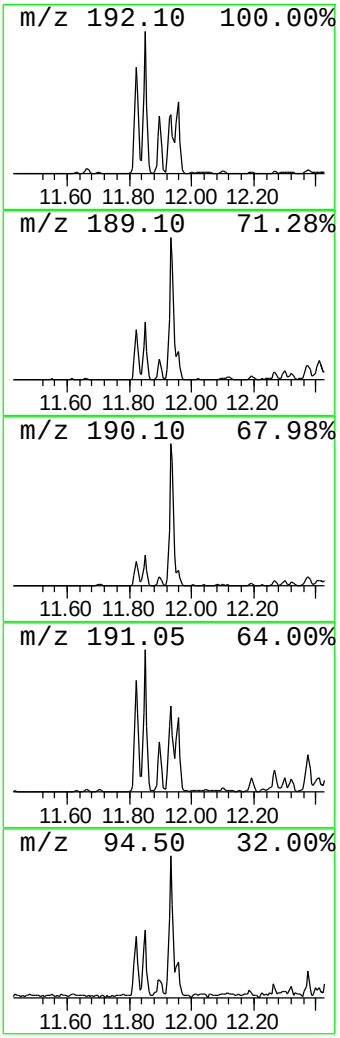
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	9.55 ng	1896570	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	15





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Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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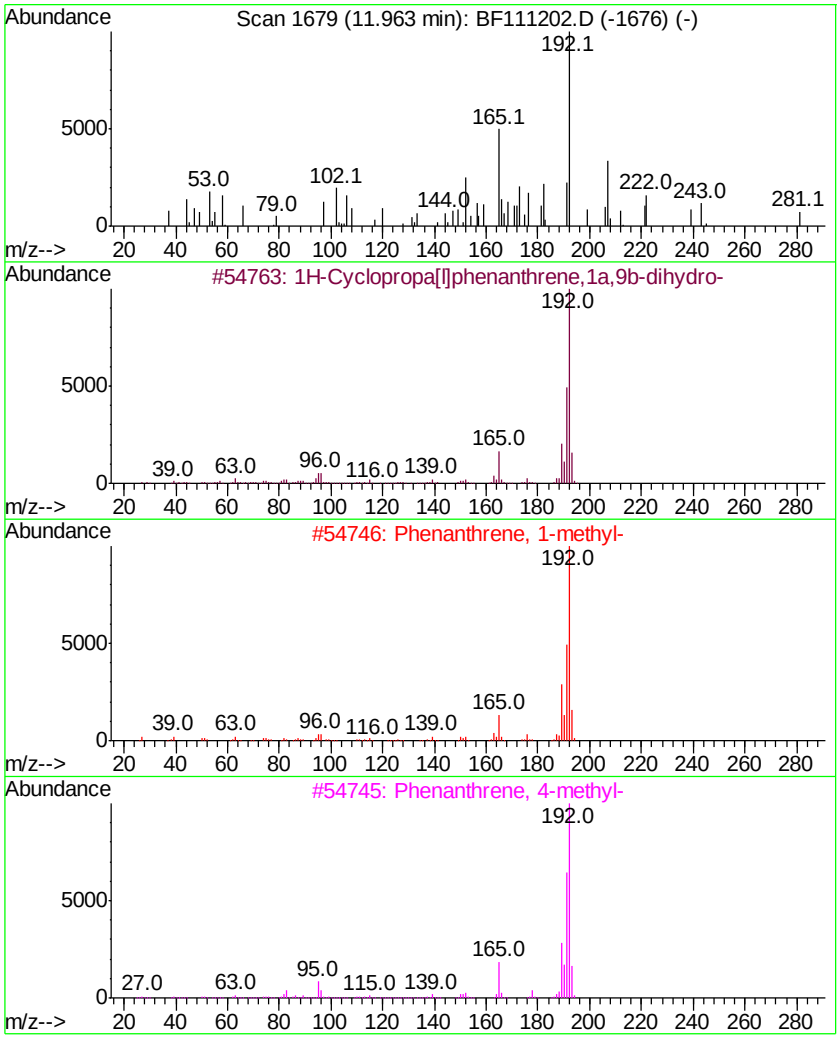
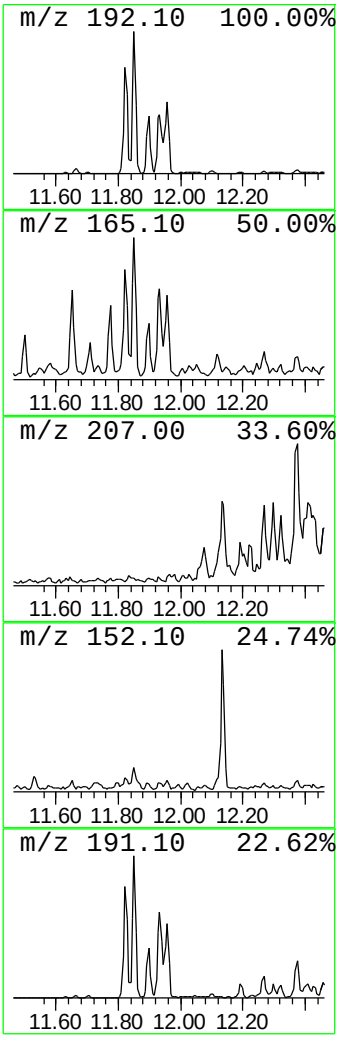
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.38 ng	671691	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Sample : J6214-13 2X
Misc :
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Instrument : BNA_F
ClientSampleId : SB-1(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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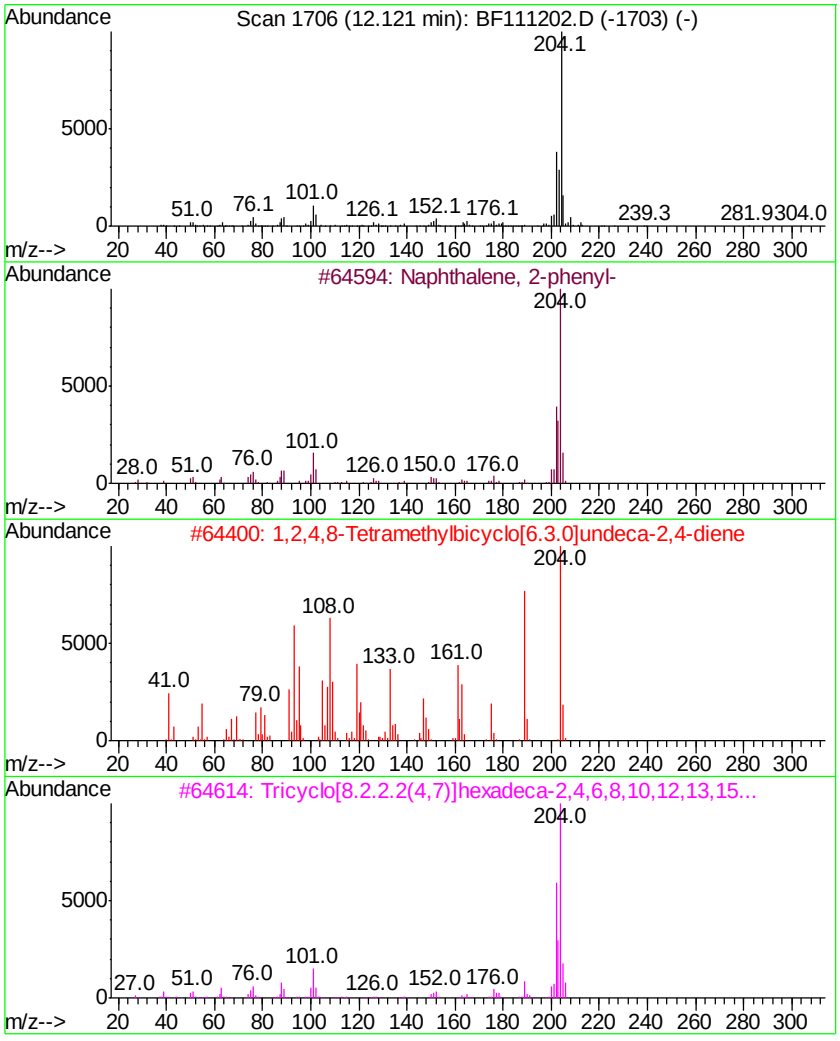
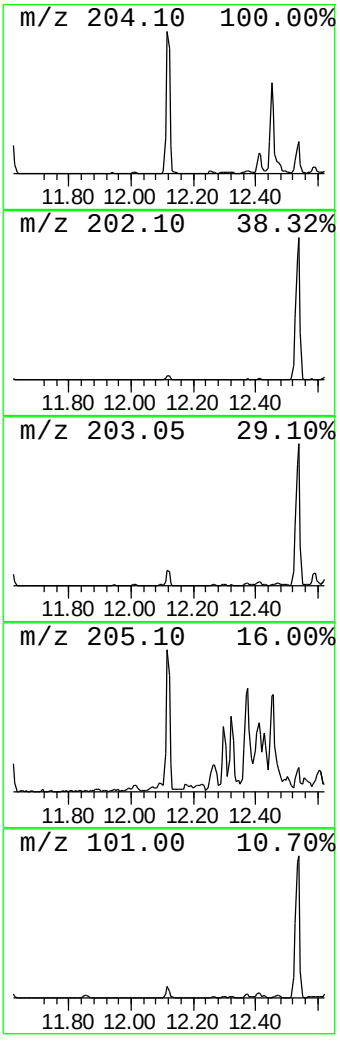
Peak Number 12 Naphthalene, 1-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.89 ng	772667	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83





Library Search Compound Report

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Operator : JU/SJ
Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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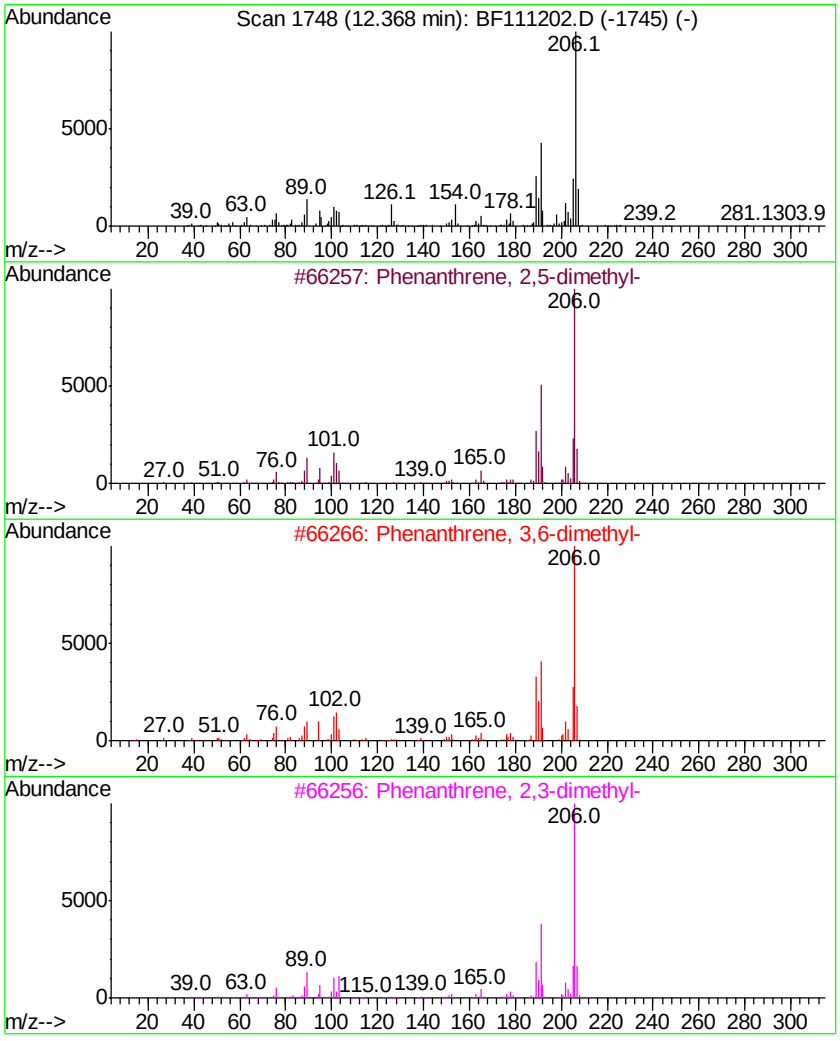
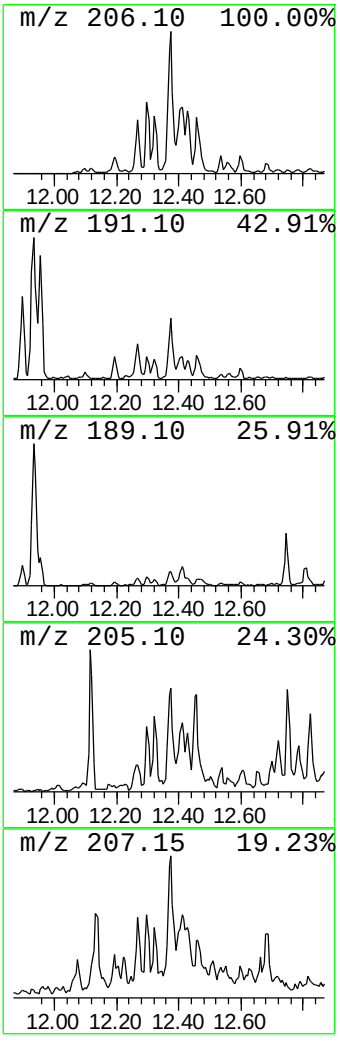
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	3.58 ng	710830	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Sample : J6214-13 2X
Misc :
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Instrument : BNA_F
ClientSampleId : SB-1(0-2)

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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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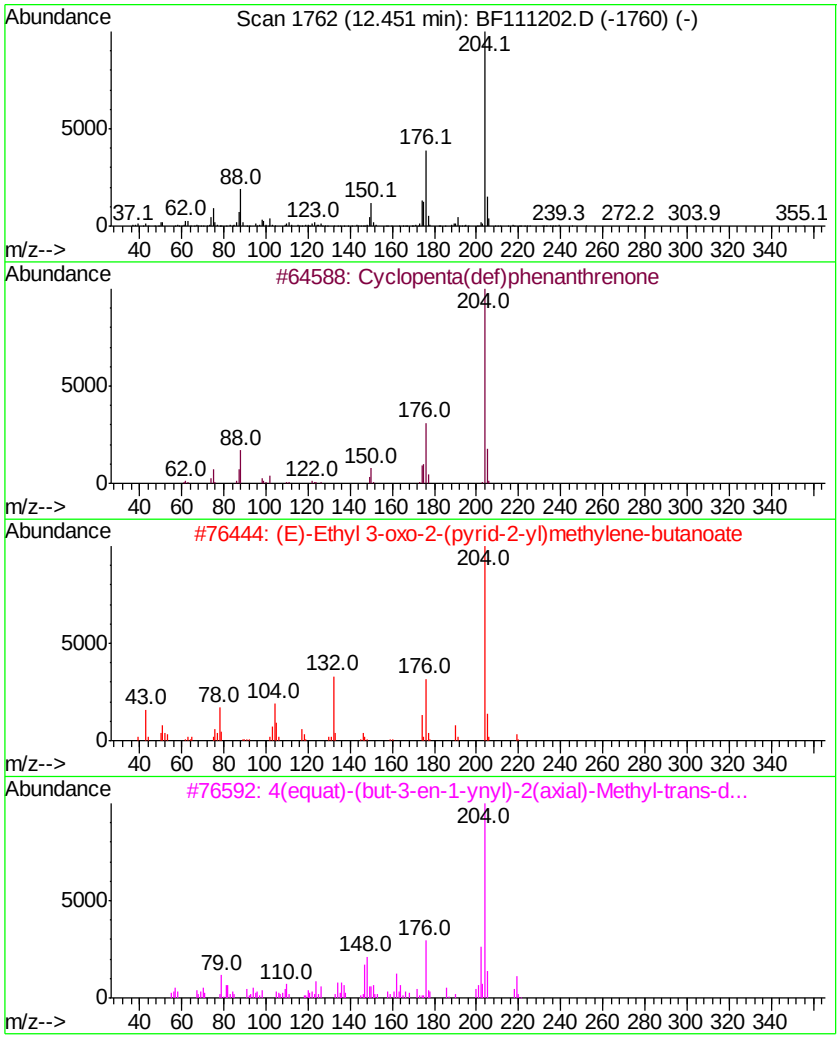
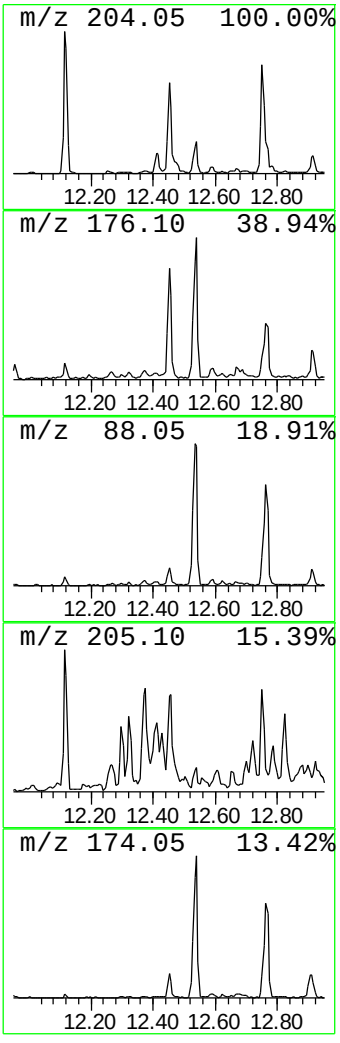
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.58 ng	710632	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	45
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43





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Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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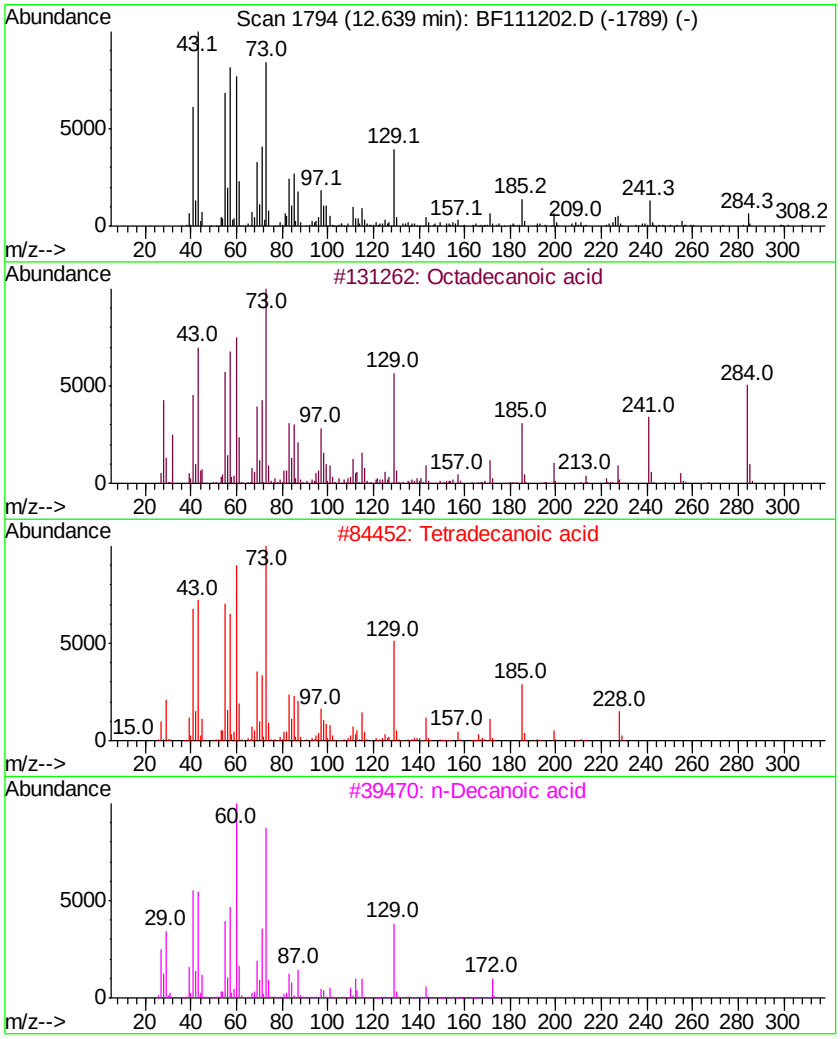
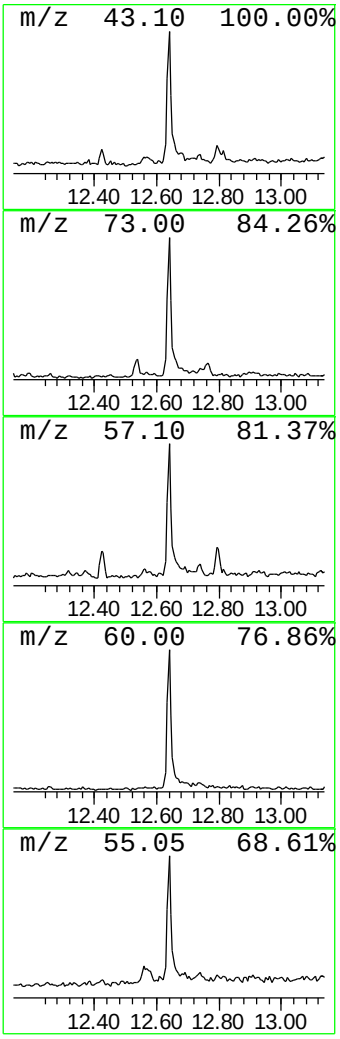
Peak Number 15 Octadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	3.77 ng	748046	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	n-Decanoic acid	172	C10H20O2	000334-48-5	76
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	64
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	52





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Sample : J6214-13 2X
Misc :
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Instrument : BNA_F
ClientSampleId : SB-1(0-2)

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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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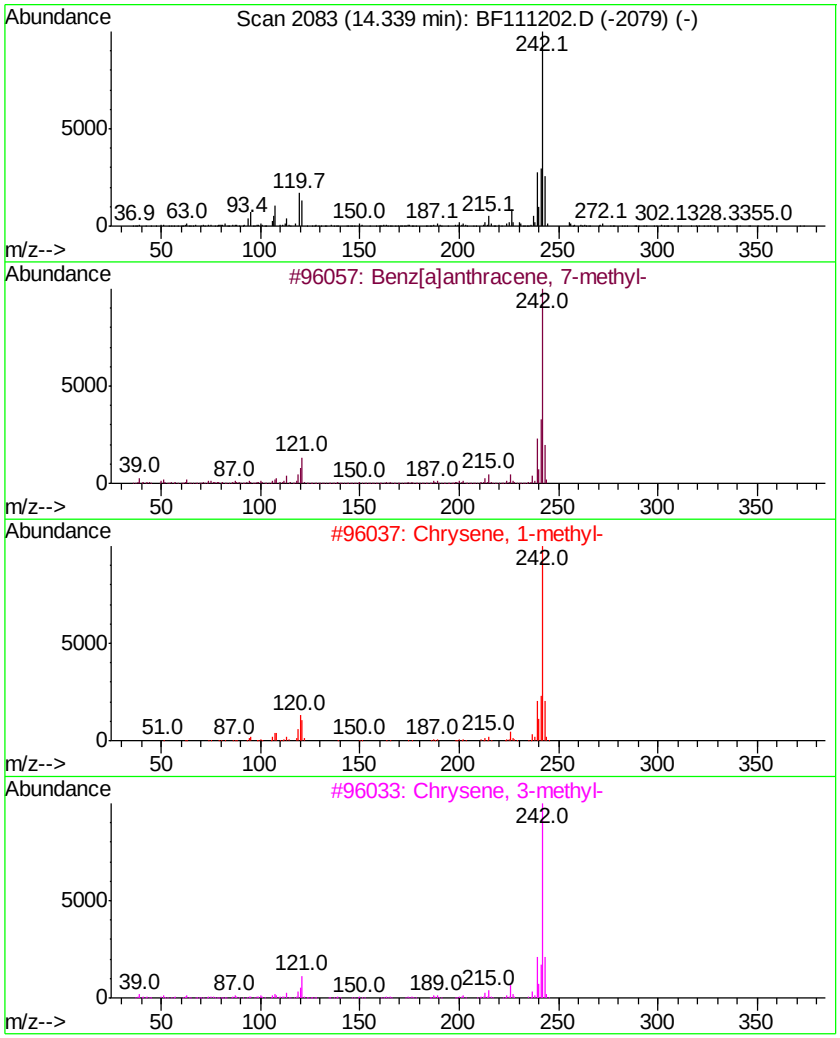
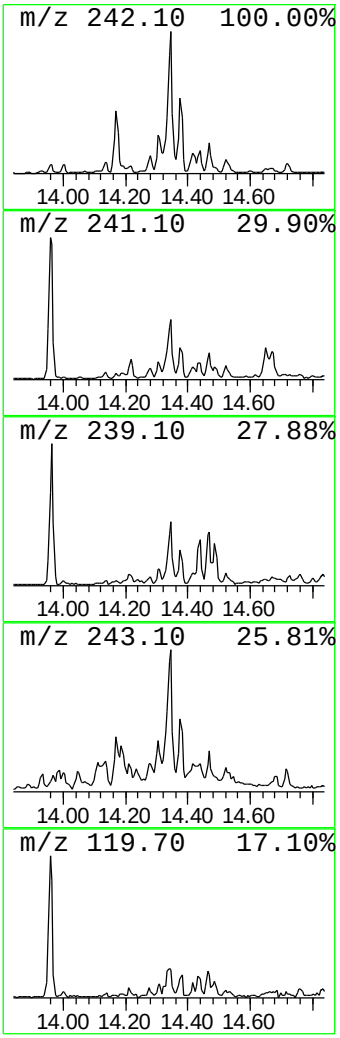
Peak Number 16 Benz[a]anthracene, 7-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	2.67 ng	1176710	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	95
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90





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Instrument : BNA_F
ClientSampleId : SB-1(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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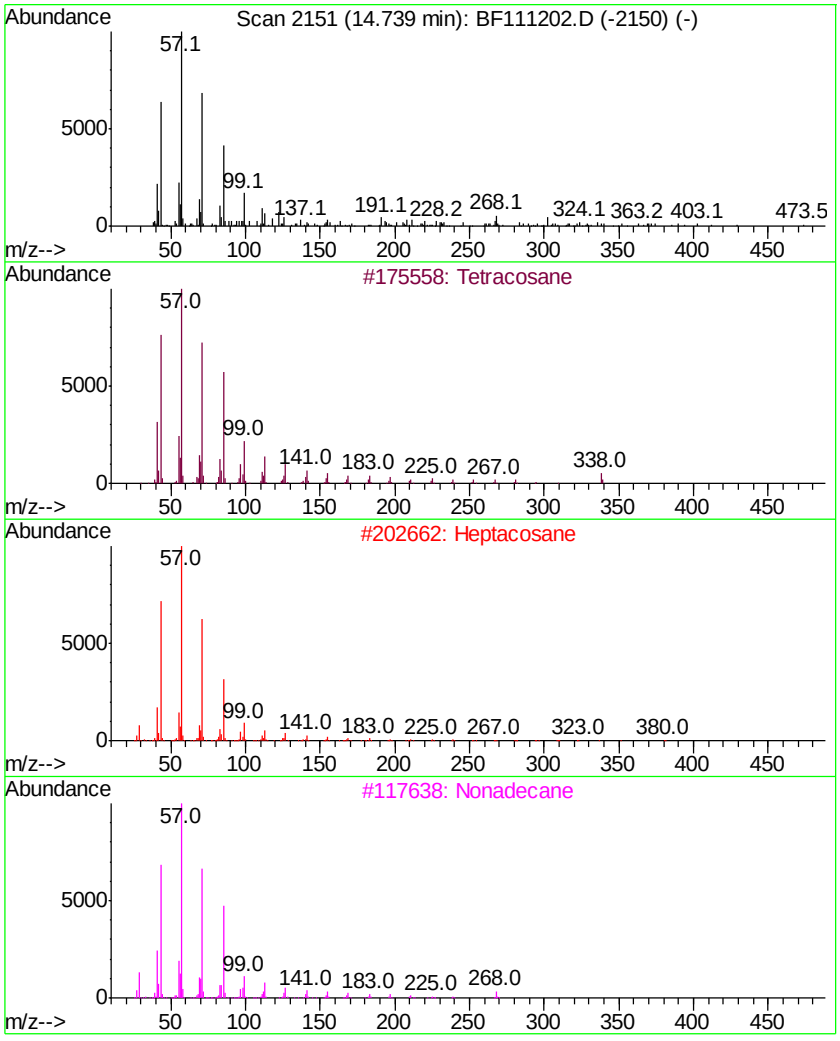
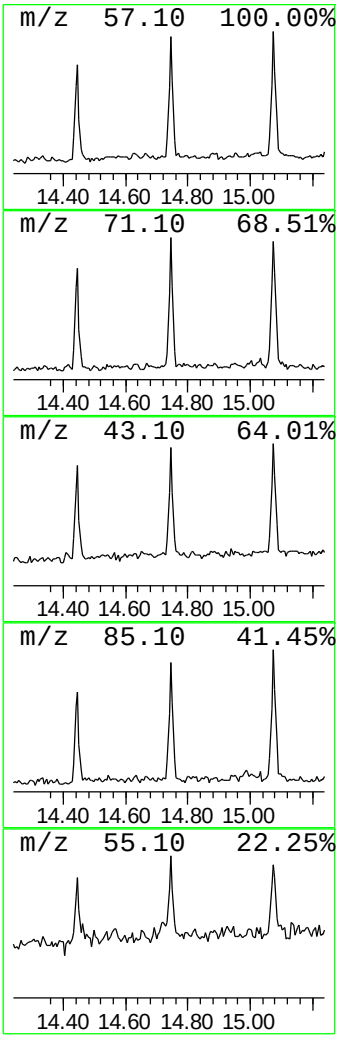
Peak Number 17 Tetracosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	3.12 ng	525737	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	91
2	Heptacosane	380	C27H56	000593-49-7	87
3	Nonadecane	268	C19H40	000629-92-5	86
4	Hexacosane	366	C26H54	000630-01-3	83
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80





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Data File : BF111202.D
Acq On : 7 Dec 2018 22:17
Operator : JU/SJ
Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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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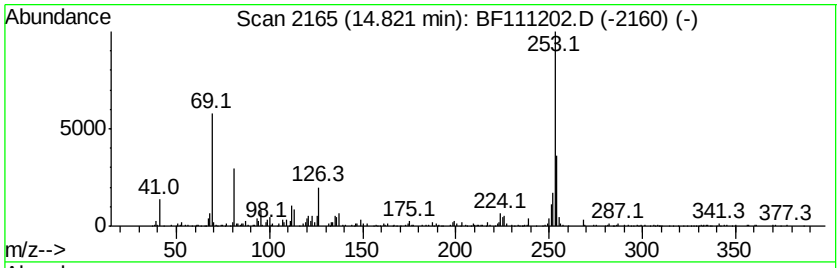
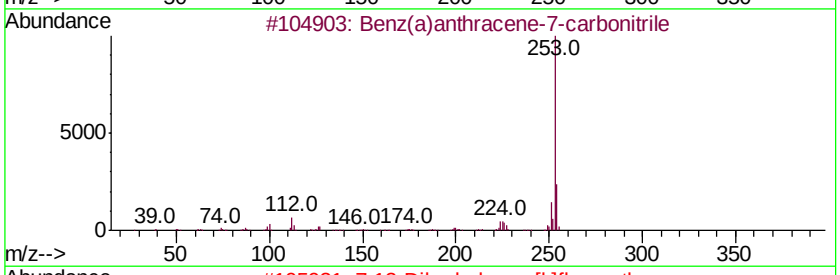
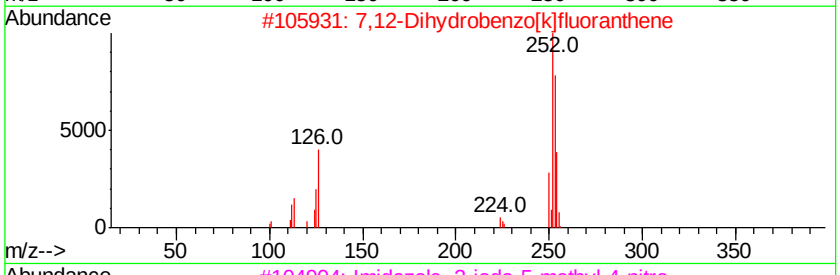
Peak Number 18 Benz(a)anthracene-7-carboni... Concentration Rank 8

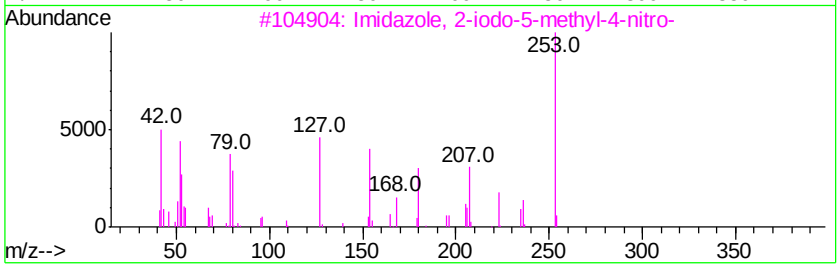
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	4.43 ng	746069	Perylene-d12	15.40

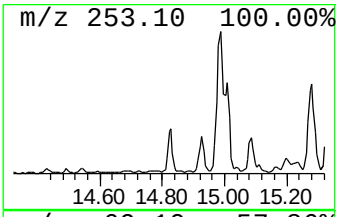
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	76
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	59
3	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	43
4	4-Ethylsulfanyl-3-nitro-N-(2-p-t...	360	C18H20N2O4S	345991-11-9	43
5	Propanephosphonic acid, bis(trim...	268	C9H25O3PSi2	1000193-07-4	40

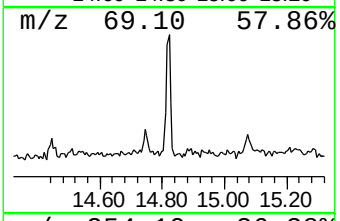


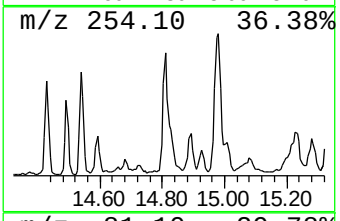


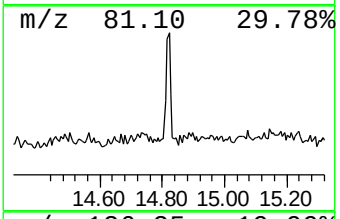


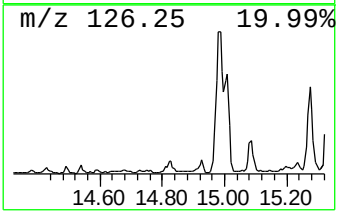












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111202.D
Acq On : 7 Dec 2018 22:17
Operator : JU/SJ
Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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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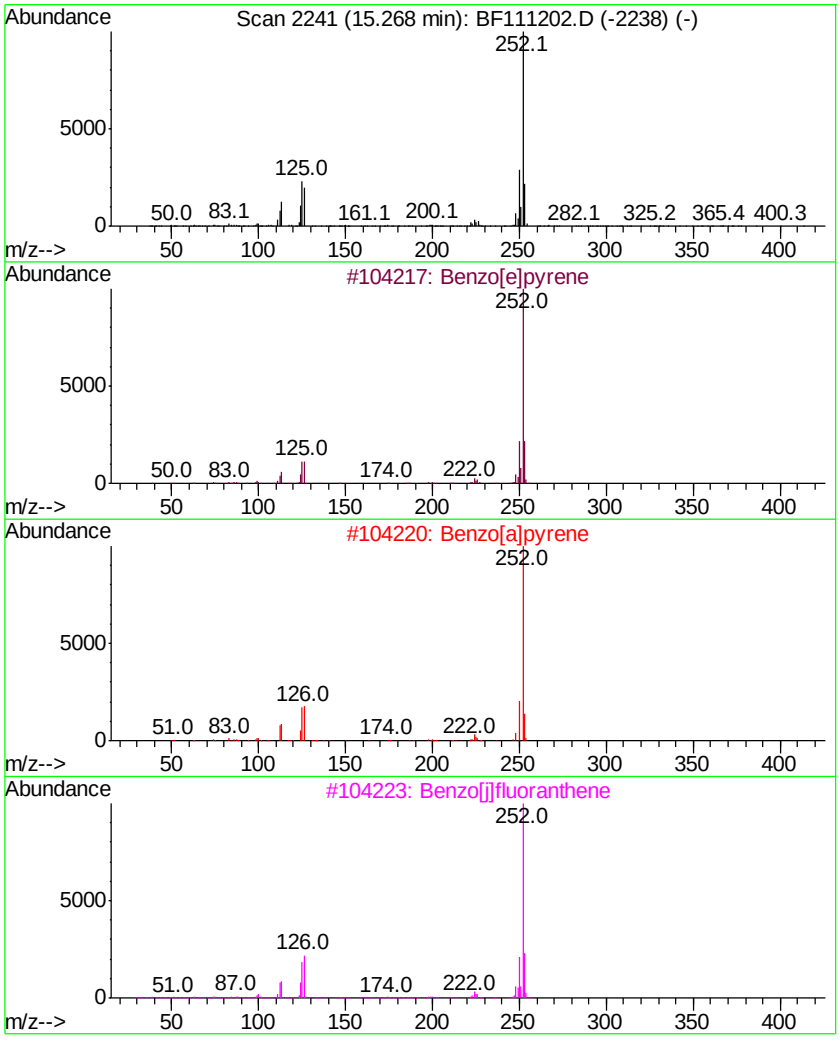
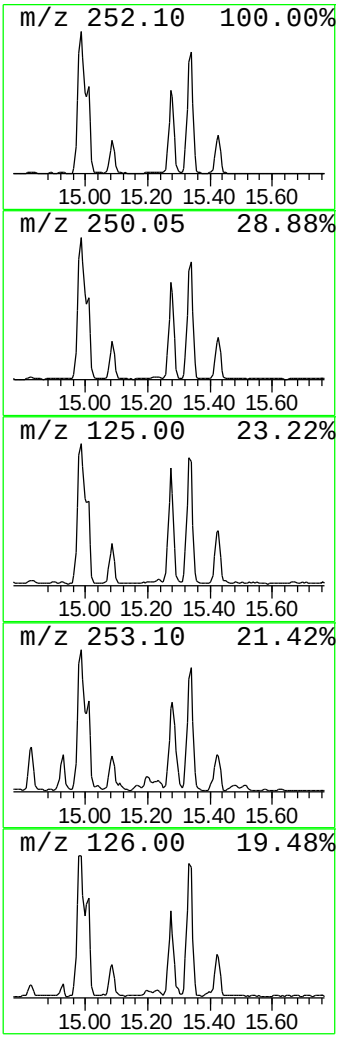
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	17.37 ng	2925670	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120718\
Data File : BF111202.D
Acq On : 7 Dec 2018 22:17
Operator : JU/SJ
Sample : J6214-13 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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...	5.00	2.6	ng	408621	1	6.80	3156670	20.0
unknown6.57	6.57	35.9	ng	5659140	1	6.80	3156670	20.0
9H-Fluorene, 2-me...	10.93	2.7	ng	538835	4	11.32	3972280	20.0
9H-Fluoren-9-one	11.12	3.8	ng	747404	4	11.32	3972280	20.0
Dibenzothiophene	11.22	4.0	ng	794896	4	11.32	3972280	20.0
Phenanthrene, 2-m...	11.82	6.1	ng	1216800	4	11.32	3972280	20.0
Phenanthrene, 1-m...	11.85	12.7	ng	2519290	4	11.32	3972280	20.0
4H-Cyclopenta[def...	11.93	9.6	ng	1896570	4	11.32	3972280	20.0
1H-Cyclopropa[l]p...	11.96	3.4	ng	671691	4	11.32	3972280	20.0
Naphthalene, 1-ph...	12.12	3.9	ng	772667	4	11.32	3972280	20.0
Phenanthrene, 2,5...	12.37	3.6	ng	710830	4	11.32	3972280	20.0
Cyclopenta(def)ph...	12.45	3.6	ng	710632	4	11.32	3972280	20.0
Octadecanoic acid	12.64	3.8	ng	748046	4	11.32	3972280	20.0
Benz[a]anthracene...	14.34	2.7	ng	1176710	5	13.96	8821540	20.0
Tetracosane	14.74	3.1	ng	525737	6	15.40	3369580	20.0
Benz(a)anthracene...	14.82	4.4	ng	746069	6	15.40	3369580	20.0
Benzo[e]pyrene	15.27	17.4	ng	2925670	6	15.40	3369580	20.0