LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115254.D
Acq On : 28 Jun 2019 00:28
Operator : HP/JU
Sample : K3532-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-C

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-BF062119.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	4.225	383	389	394	rVB	358605	440741	3.05%	0.201%
2	5.196	549	554	558	rBV	4618363	4668784	32.35%	2.134%
3	5.766	647	651	654	rBV	2411049	2117901	14.68%	0.968%
4	6.243	727	732	735	rBV	4787046	4851827	33.62%	2.218%
5	6.366	749	753	756	rBV	5273725	5053831	35.02%	2.310%
6	6.595	789	792	796	rBV	1610054	1337836	9.27%	0.612%
7	6.754	815	819	822	rBV	4800056	4003048	27.74%	1.830%
8	7.160	883	888	891	rBV	3565922	3195098	22.14%	1.461%
9	7.454	933	938	947	rBV	372276	438371	3.04%	0.200%
10	7.878	1006	1010	1012	rBV	2245232	1773419	12.29%	0.811%
11	7.895	1012	1013	1017	rVB	582670	409404	2.84%	0.187%
12	8.589	1126	1131	1135	rVB2	828862	785412	5.44%	0.359%
13	8.684	1144	1147	1152	rVB	817025	723279	5.01%	0.331%
14	8.954	1189	1193	1196	rVB	5914680	5035648	34.90%	2.302%
15	9.219	1231	1238	1240	rBV	444772	597252	4.14%	0.273%
16	9.284	1246	1249	1252	rBV	900804	866937	6.01%	0.396%
17	9.313	1252	1254	1257	rVV	586786	437243	3.03%	0.200%
18	9.348	1257	1260	1263	rVV	1485979	1133497	7.85%	0.518%
19	9.401	1266	1269	1275	rVB	541533	579976	4.02%	0.265%
20	9.483	1279	1283	1286	rBV	1590125	1285128	8.91%	0.587%
21	9.625	1301	1307	1309	rBV	2205065	2182119	15.12%	0.998%
22	9.654	1309	1312	1316	rVB	880555	955063	6.62%	0.437%
23	9.825	1336	1341	1346	rVV	602691	755737	5.24%	0.345%
24	9.942	1356	1361	1363	rBV3	456373	598443	4.15%	0.274%
25	10.131	1386	1393	1396	rBV4	217545	460962	3.19%	0.211%
26	10.166	1396	1399	1402	rVV2	1262478	1158106	8.03%	0.529%
27	10.407	1432	1440	1444	rBV	3846446	4000649	27.72%	1.829%
28	10.619	1472	1476	1477	rBV2	552592	673912	4.67%	0.308%
29	10.725	1487	1494	1500	rBV	7531696	9022943	62.53%	4.125%
30	10.795	1500	1506	1509	rVB2	415512	557001	3.86%	0.255%
31	10.860	1512	1517	1520	rVV3	627505	638273	4.42%	0.292%
32	10.919	1522	1527	1530	rVB2	1900776	1829734	12.68%	0.836%
33	10.989	1536	1539	1542	rBV	637587	551067	3.82%	0.252%
34	11.066	1548	1552	1554	rBV	2952797	2283659	15.83%	1.044%

LSC Area Percent Report

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Acq On : 28 Jun 2019 00:28
Operator : HP/JU
Sample : K3532-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-C

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-BF062119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.095	1554	1557	1559	rBV	2370585	2186471	15.15%	1.000%
36	11.125	1559	1562	1565	rVB	6183722	5299722	36.73%	2.423%
37	11.172	1565	1570	1572	rVB	2191288	1806819	12.52%	0.826%
38	11.219	1572	1578	1581	rBV2	4835598	4528298	31.38%	2.070%
39	11.425	1610	1613	1617	rVB2	765374	687639	4.77%	0.314%
40	11.507	1624	1627	1631	rVB	443186	460922	3.19%	0.211%
41	11.595	1636	1642	1645	rBV	2267236	2326058	16.12%	1.063%
42	11.625	1645	1647	1649	rVV	2646543	1997114	13.84%	0.913%
43	11.660	1649	1653	1657	rVV3	2584918	3490027	24.18%	1.595%
44	11.707	1657	1661	1663	rVV	3062786	2957039	20.49%	1.352%
45	11.730	1663	1665	1670	rVB	1924993	1531774	10.61%	0.700%
46	11.825	1678	1681	1684	rBV2	1723348	1526514	10.58%	0.698%
47	11.889	1690	1692	1694	rBV	1044927	863464	5.98%	0.395%
48	11.907	1694	1695	1702	rVB5	524456	693857	4.81%	0.317%
49	11.966	1702	1705	1708	rBV	543977	507082	3.51%	0.232%
50	12.072	1720	1723	1725	rVB	560105	417446	2.89%	0.191%
51	12.148	1729	1736	1738	rBV	1660315	2381582	16.50%	1.089%
52	12.177	1738	1741	1744	rBV	899914	968661	6.71%	0.443%
53	12.225	1747	1749	1750	rBV	536581	457059	3.17%	0.209%
54	12.307	1758	1763	1766	rBV	6369889	6216631	43.08%	2.842%
55	12.354	1768	1771	1775	rBV3	976336	1306688	9.05%	0.597%
56	12.389	1775	1777	1781	rVB	459570	409267	2.84%	0.187%
57	12.442	1781	1786	1789	rBV2	4560407	5083333	35.23%	2.324%
58	12.530	1796	1801	1804	rBV	6087028	8112547	56.22%	3.709%
59	12.577	1807	1809	1815	rVB3	546843	989892	6.86%	0.453%
60	12.636	1815	1819	1823	rBV2	1203008	1603042	11.11%	0.733%
61	12.683	1823	1827	1833	rVB	5198463	5533794	38.35%	2.530%
62	12.748	1833	1838	1841	rBV3	1205269	1557299	10.79%	0.712%
63	12.830	1849	1852	1854	rVV4	704908	872056	6.04%	0.399%
64	12.854	1854	1856	1859	rVB	1833348	1702811	11.80%	0.778%
65	12.924	1865	1868	1871	rBV	1150890	1066940	7.39%	0.488%
66	12.960	1871	1874	1876	rBV	1646817	1499335	10.39%	0.685%
67	13.048	1886	1889	1892	rBV	1333636	1126496	7.81%	0.515%
68	13.077	1892	1894	1899	rVV	1341615	1120114	7.76%	0.512%
69	13.172	1904	1910	1913	rBV	7884636	9190519	63.69%	4.201%
70	13.354	1936	1941	1947	rVB2	809785	1375370	9.53%	0.629%
71	13.466	1956	1960	1963	rBV3	996336	1267147	8.78%	0.579%

LSC Area Percent Report

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Sample : K3532-09
Misc :
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Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-C

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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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.495	1963	1965	1967	rVV	744727	702217	4.87%	0.321%
73	13.519	1967	1969	1970	rVV	525862	404000	2.80%	0.185%
74	13.542	1971	1973	1975	rVB3	612109	541677	3.75%	0.248%
75	13.607	1981	1984	1987	rBV2	730473	924268	6.40%	0.423%
76	13.666	1990	1994	1996	rVB	2795450	2793625	19.36%	1.277%
77	13.713	1996	2002	2006	rBV2	4130613	7557755	52.37%	3.455%
78	13.748	2006	2008	2010	rVV	4080995	3308307	22.93%	1.512%
79	13.783	2011	2014	2017	rVB	2238356	2030490	14.07%	0.928%
80	13.854	2023	2026	2029	rBV2	624014	650679	4.51%	0.297%
81	13.948	2036	2042	2050	rVB2	8386075	14430675	100.00%	6.597%
82	14.036	2054	2057	2061	rVB2	386022	522270	3.62%	0.239%
83	14.101	2061	2068	2072	rBV2	6646283	8611928	59.68%	3.937%
84	14.142	2072	2075	2079	rVB2	701590	607523	4.21%	0.278%
85	14.195	2082	2084	2087	rVB2	547602	480589	3.33%	0.220%
86	14.230	2087	2090	2092	rBV2	737331	819591	5.68%	0.375%
87	14.254	2092	2094	2096	rVV2	690686	596056	4.13%	0.272%
88	14.277	2096	2098	2101	rVV	602998	487073	3.38%	0.223%
89	14.507	2134	2137	2141	rVB2	680504	819070	5.68%	0.374%
90	14.713	2167	2172	2175	rBV	2705922	4224578	29.27%	1.931%
91	14.807	2185	2188	2193	rVB2	754945	854328	5.92%	0.391%
92	14.971	2213	2216	2222	rVB	1599699	1974153	13.68%	0.902%
93	15.030	2222	2226	2229	rBV	2563691	2609217	18.08%	1.193%
94	15.083	2231	2235	2237	rBV	1207918	1322185	9.16%	0.604%
95	15.107	2237	2239	2244	rVB2	480406	548119	3.80%	0.251%
96	16.342	2444	2449	2454	rVB2	810067	1263665	8.76%	0.578%
97	16.718	2508	2513	2519	rBV	680683	1160636	8.04%	0.531%
98	17.265	2599	2606	2616	rVB	2222565	5177967	35.88%	2.367%
99	17.418	2627	2632	2640	rVB	596625	1222088	8.47%	0.559%
100	17.901	2707	2714	2719	rBV	549714	1582290	10.96%	0.723%

Sum of corrected areas: 218750148

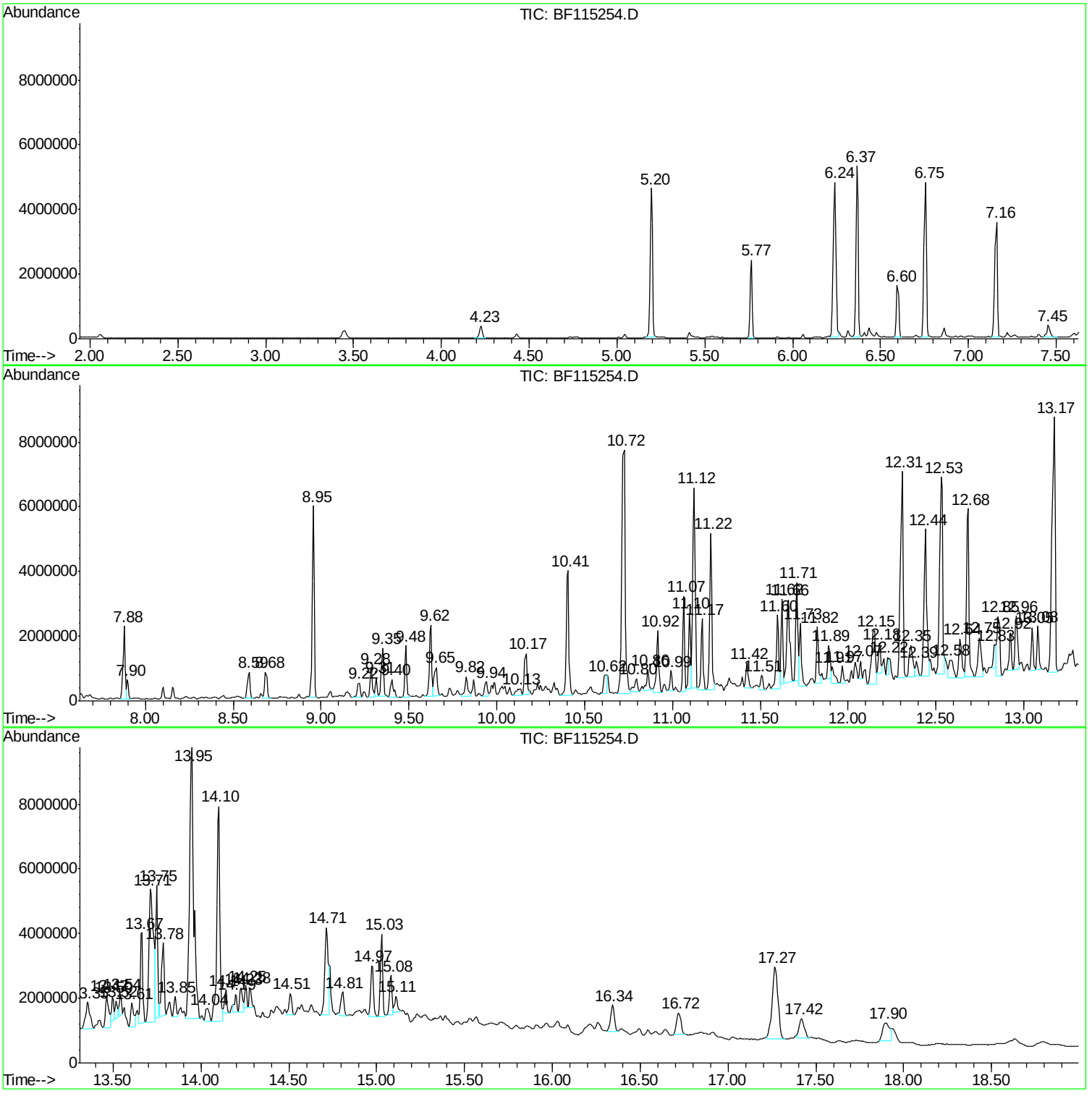
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115254.D
Acq On : 28 Jun 2019 00:28
Operator : HP/JU
Sample : K3532-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TRIANGLE-AREA-SOIL-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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\BF062719\
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Acq On : 28 Jun 2019 00:28
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Sample : K3532-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

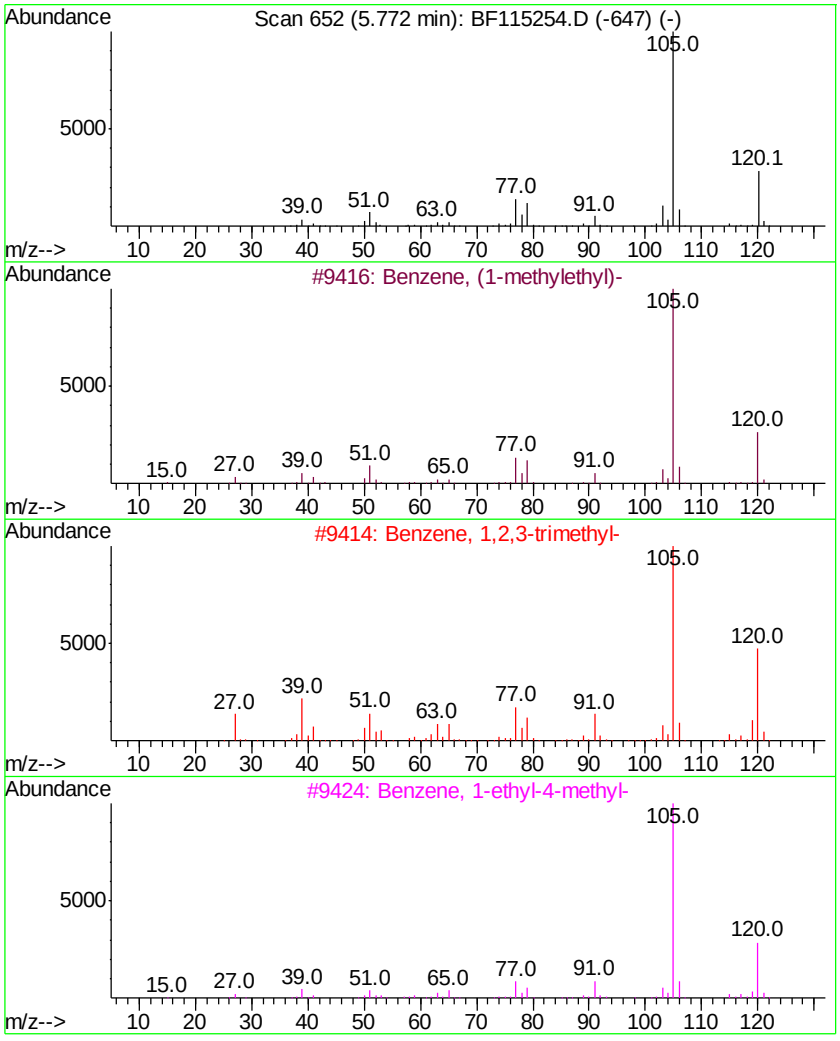
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

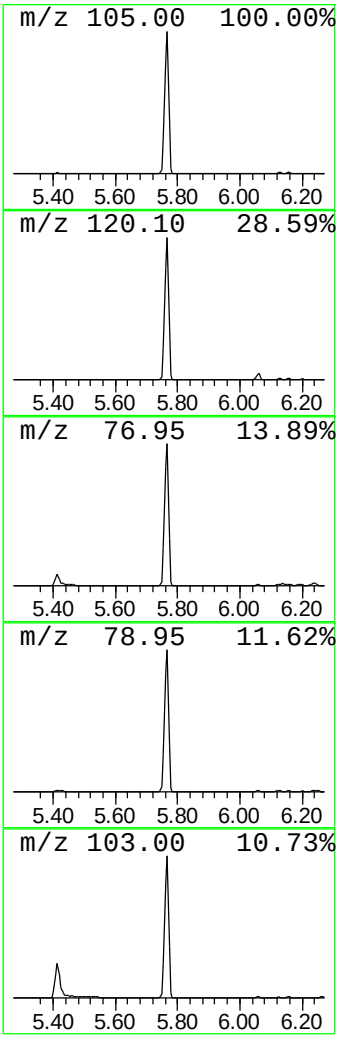
****

Peak Number 1 Benzene, (1-methylethyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.77	31.66 ng	2117900	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	80
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	78
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
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Misc :
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Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

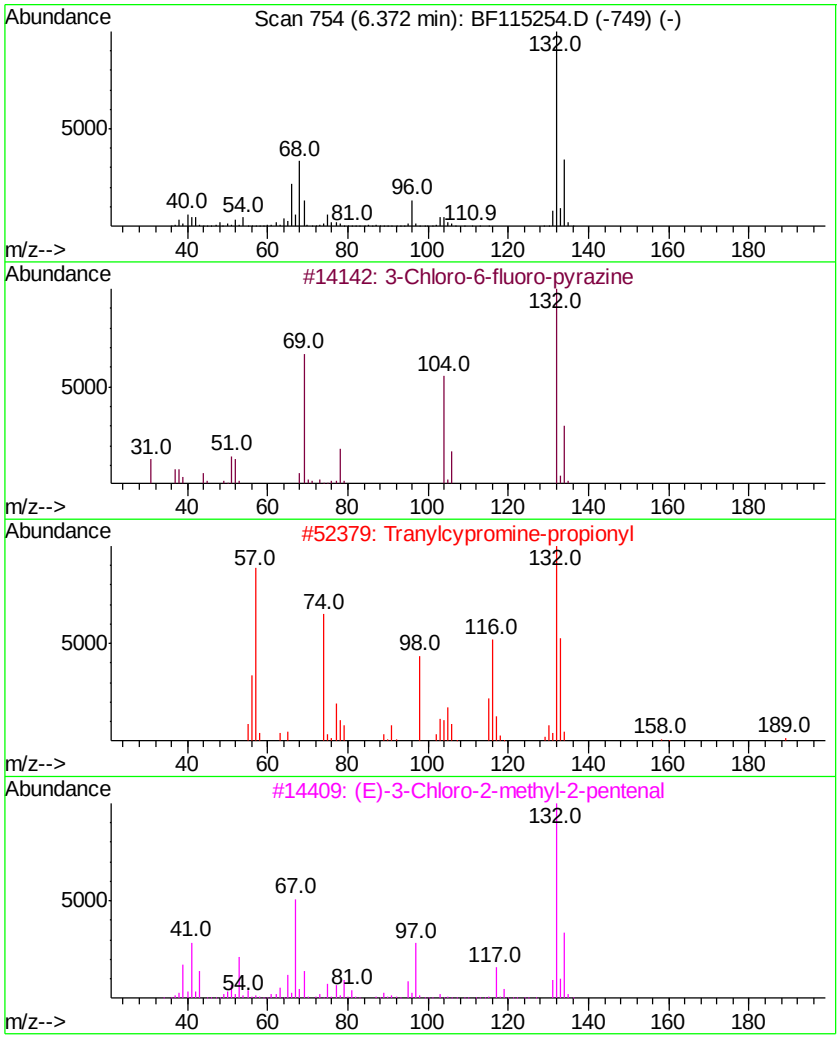
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

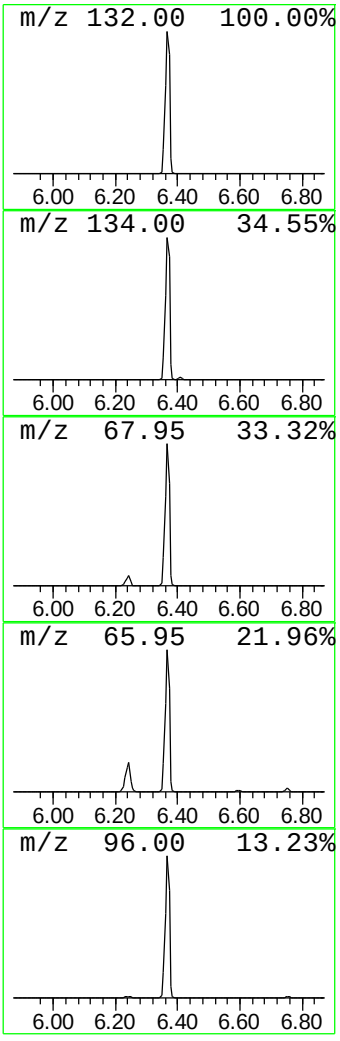
****

Peak Number 2 unknown6.37 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	75.55 ng	5053830	1,4-Dichlorobenzene-d4	6.60

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	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





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TIC Library : C:\DATABASE\NIST11.L
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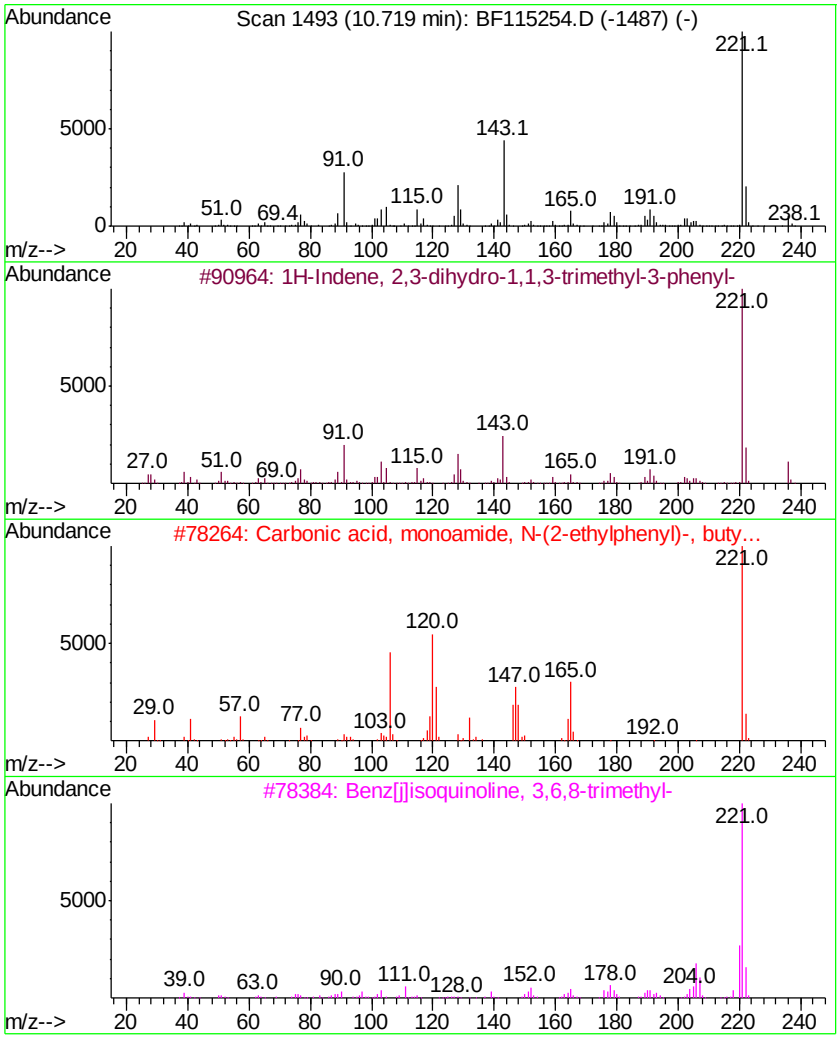
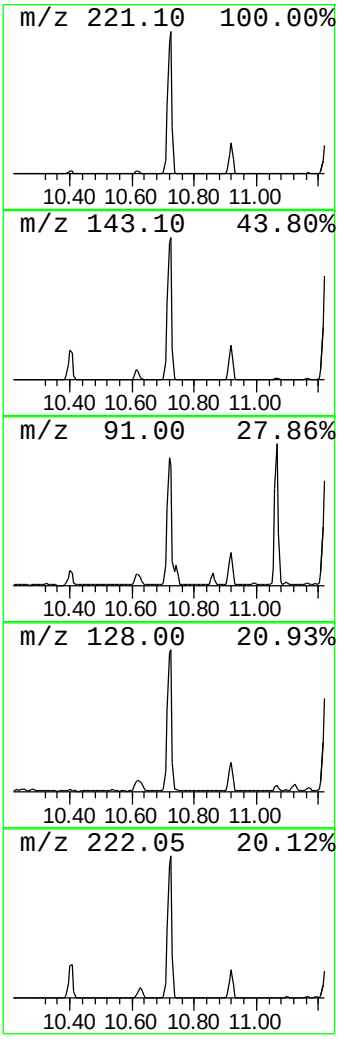
Peak Number 4 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	82.53 ng	9022940	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	95
2	Carbonic acid, monoamide, N-(2-e...	221	C13H19NO2	1000339-98-3	38
3	Benz[j]isoquinoline, 3,6,8-trime...	221	C16H15N	061171-16-2	37
4	Benzene, 1-(1-hydroxyheptyl)-3-[...	390	C25H42O3	1000196-54-9	37
5	4,6-Dimethyl-2-thioxo-1,2-dihydr...	236	C11H16N2SSi	1000332-43-1	37





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

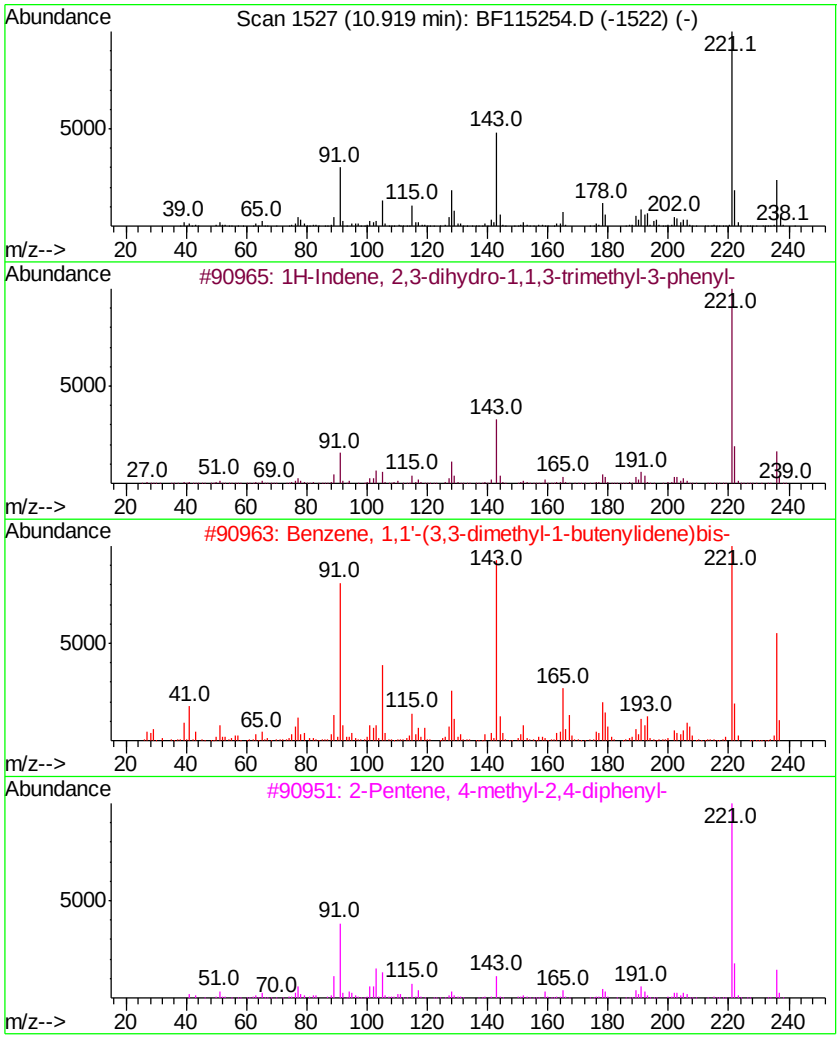
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

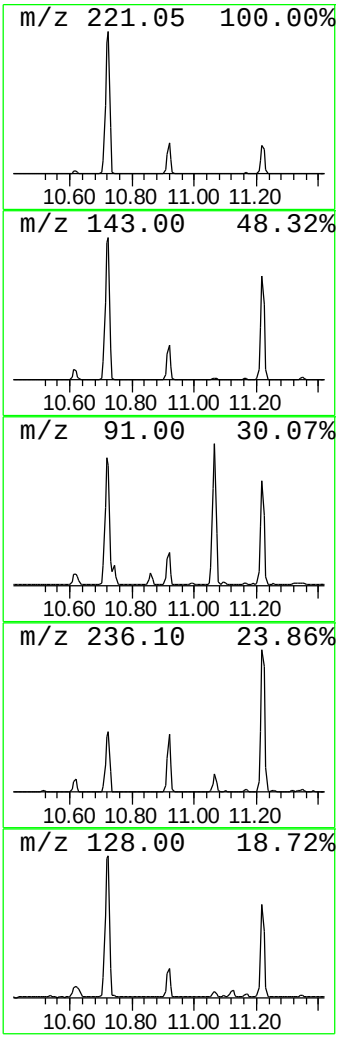
****

Peak Number 5 Benzene, 1,1'-(3,3-dimethyl... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	16.74 ng	1829730	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	95
2	Benzene, 1,1'-(3,3-dimethyl-1-bu...	236	C18H20	023586-64-3	53
3	2-Pentene, 4-methyl-2,4-diphenyl-	236	C18H20	006258-73-7	53
4	2-Methyl-2-[2-(2,6,6-trimethyl-c...	236	C15H24O2	014398-32-4	47
5	6-tert-Butyl-2,3-dihydro-benzo[1...	236	C13H16O4	1000318-31-4	47





Library Search Compound Report

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Operator : HP/JU
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Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
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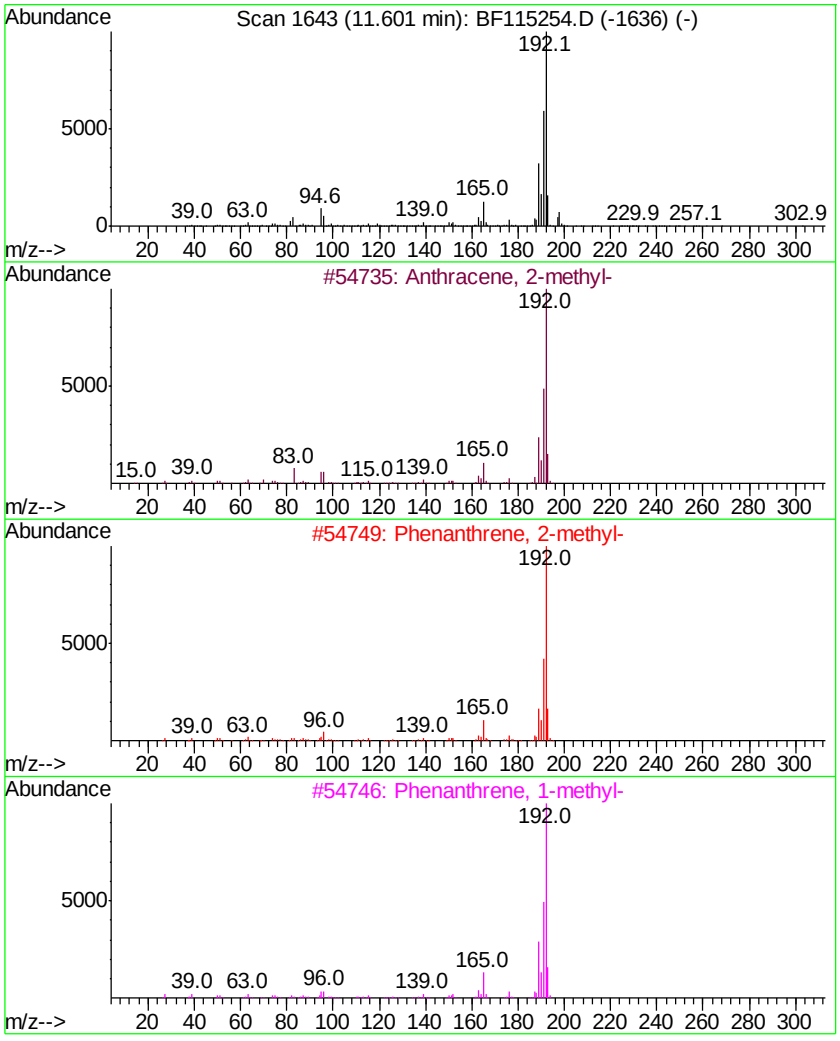
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

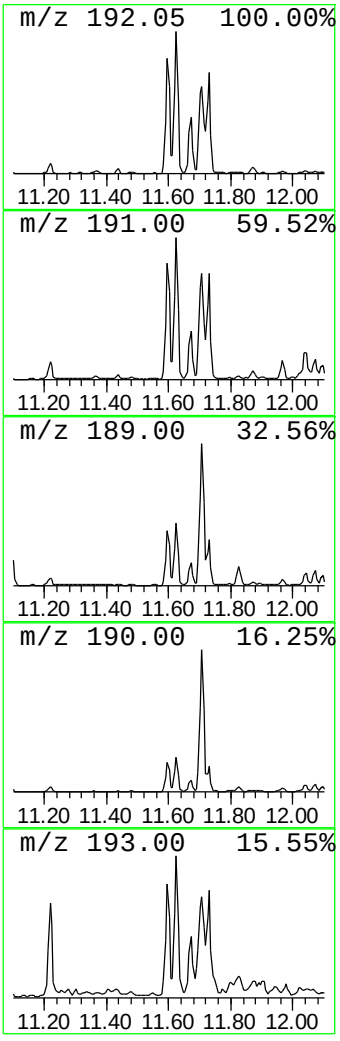
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	21.28 ng	2326060	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 28 Jun 2019 00:28
Operator : HP/JU
Sample : K3532-09
Misc :
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Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-C

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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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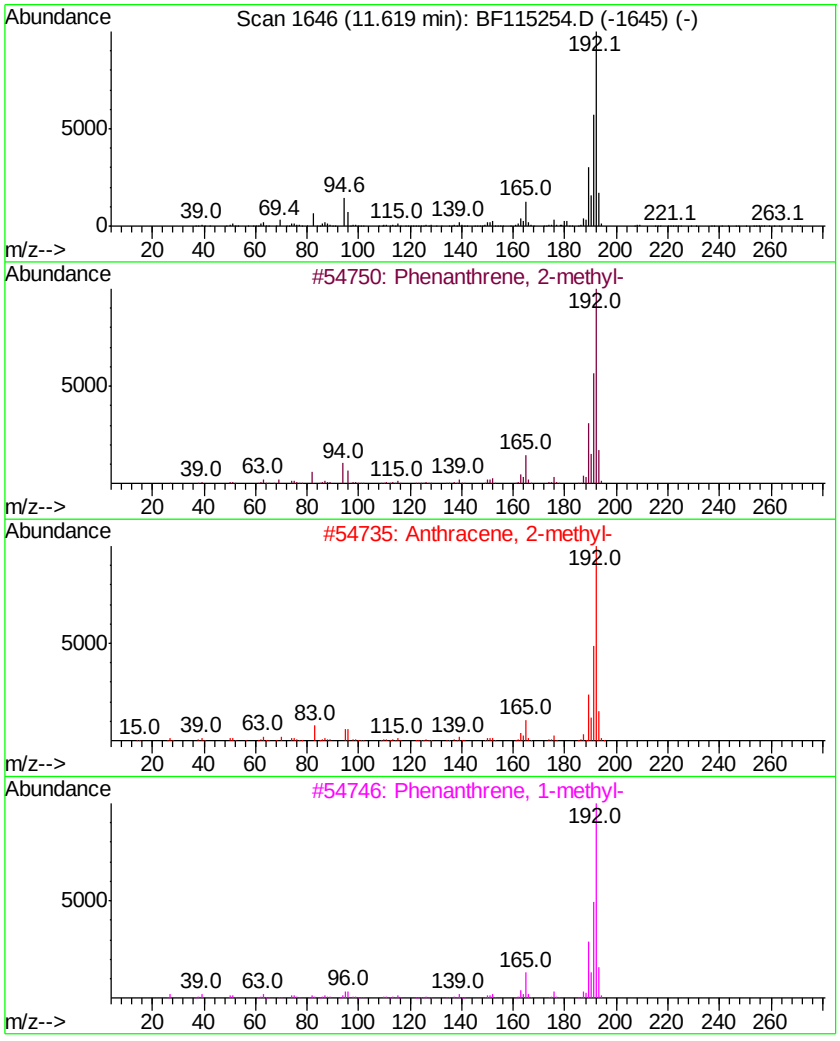
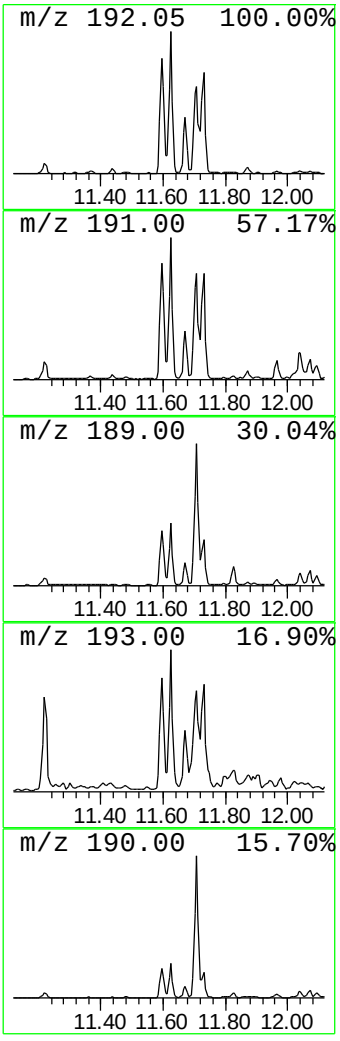
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	18.27 ng	1997110	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-C

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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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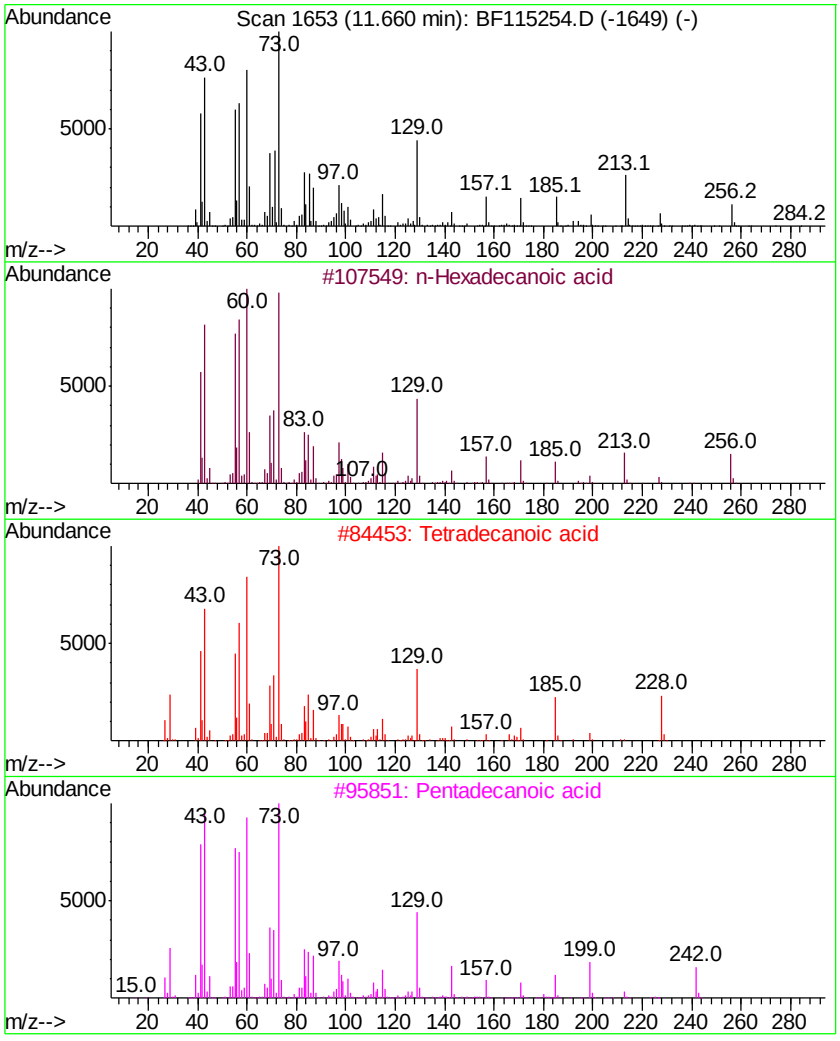
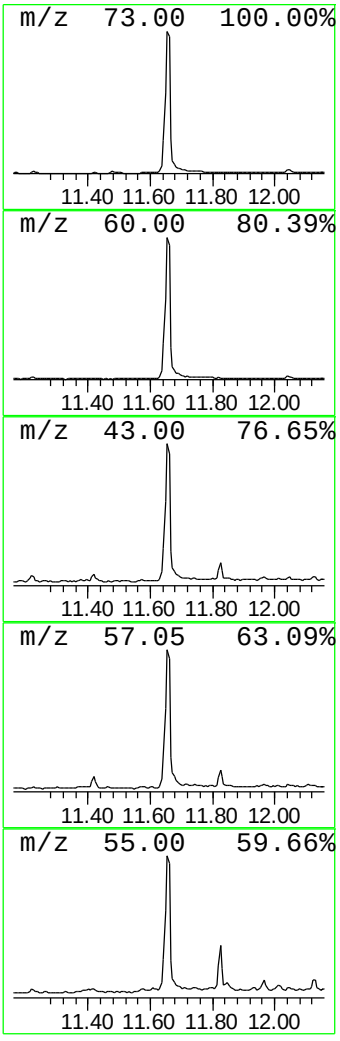
Peak Number 8 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	31.92 ng	3490030	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Octadecanoic acid	284	C18H36O2	000057-11-4	87
5	Tridecanoic acid	214	C13H26O2	000638-53-9	83





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ClientSampleId : TRIANGLE-AREA-SOIL-C

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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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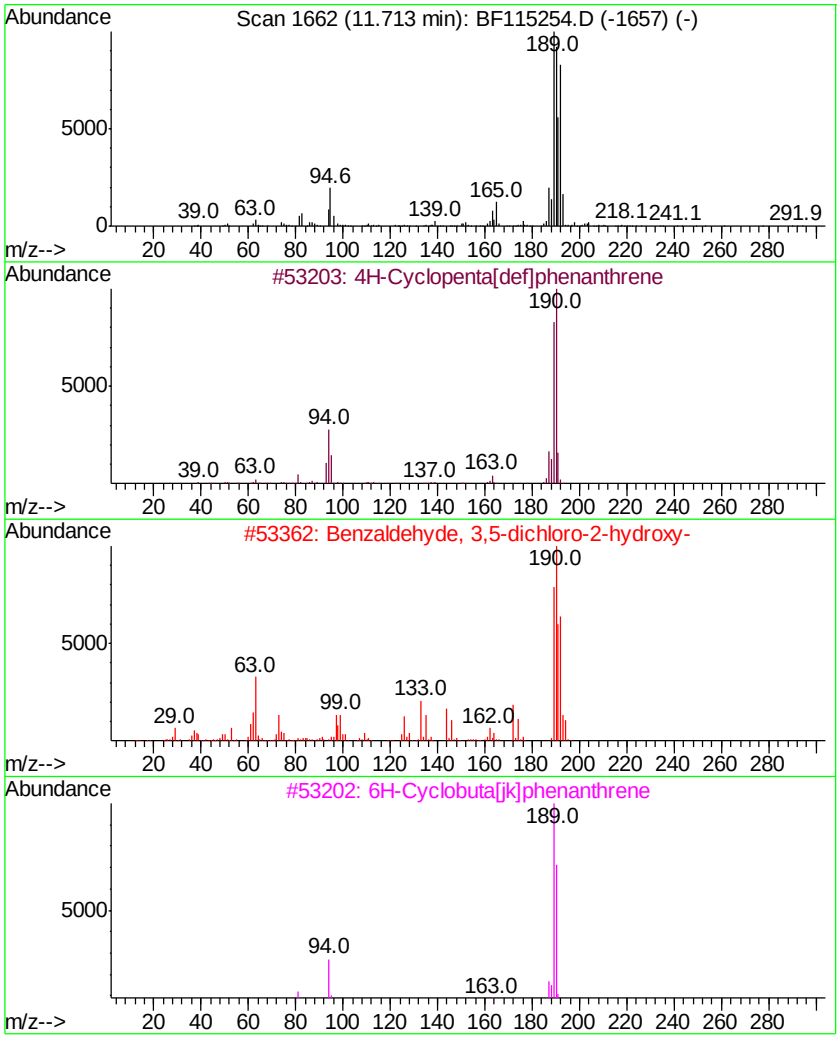
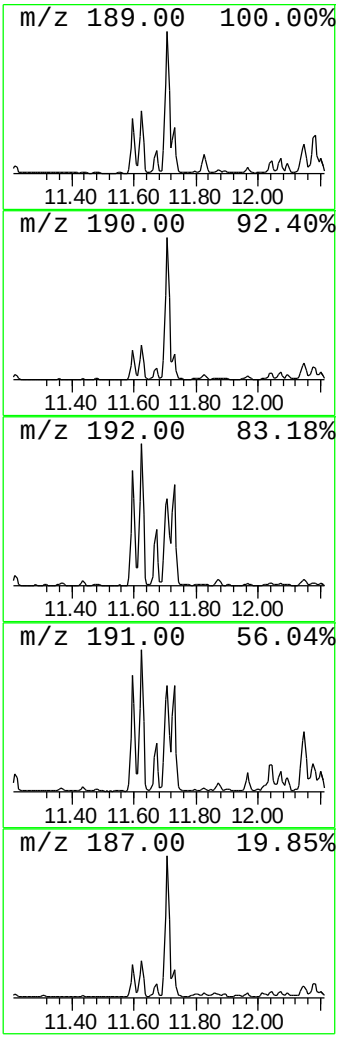
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	27.05 ng	2957040	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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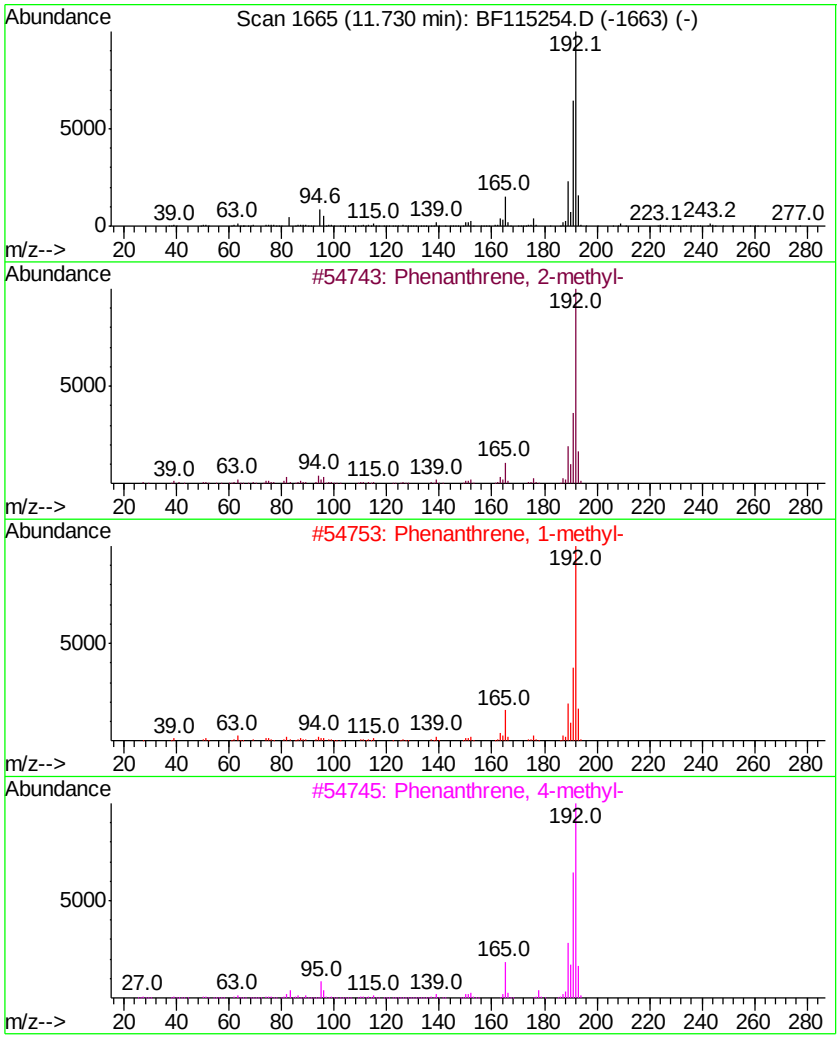
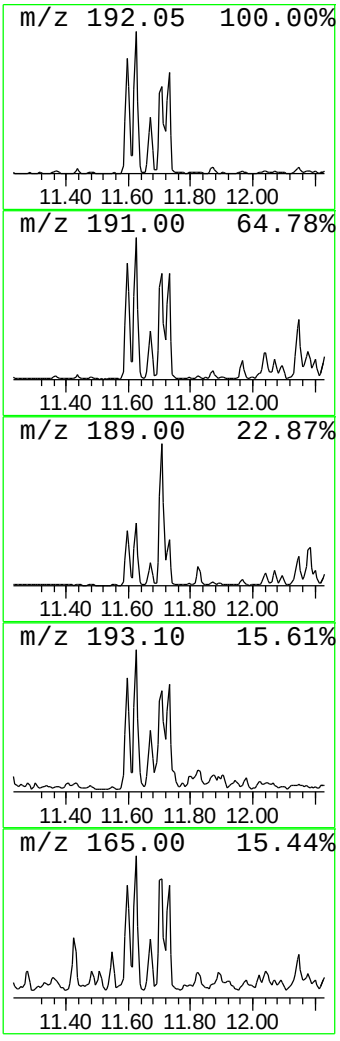
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	14.01 ng	1531770	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83





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Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-C

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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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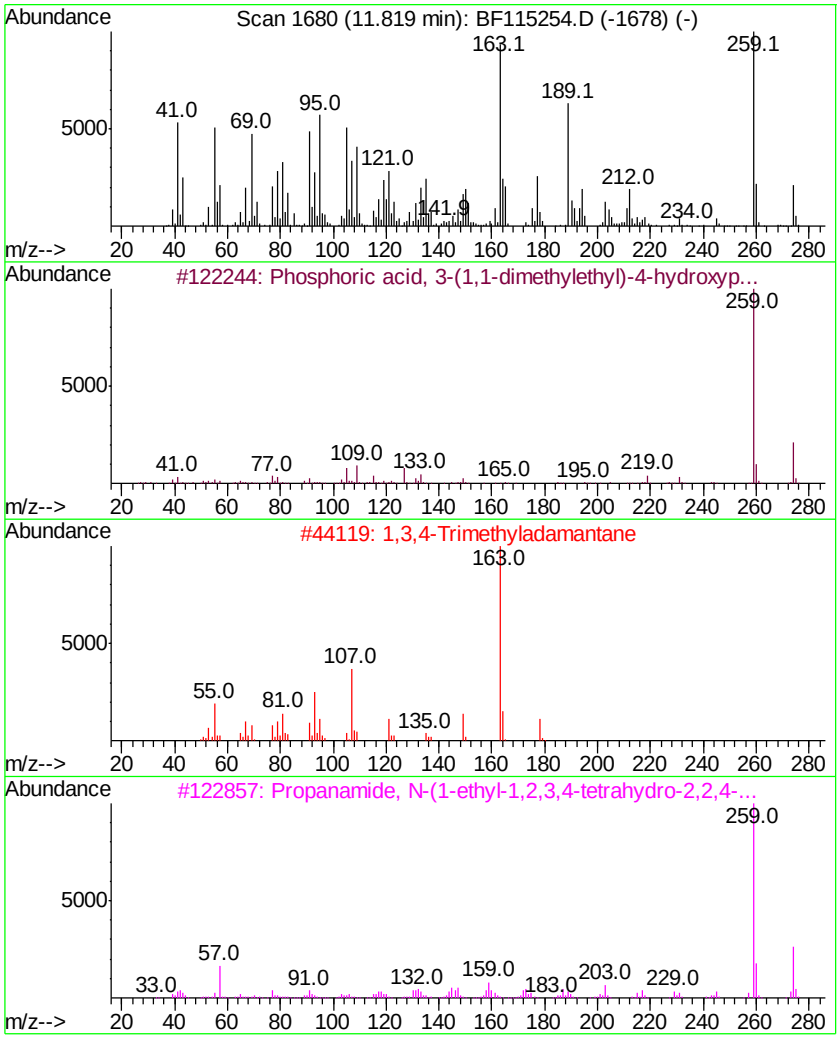
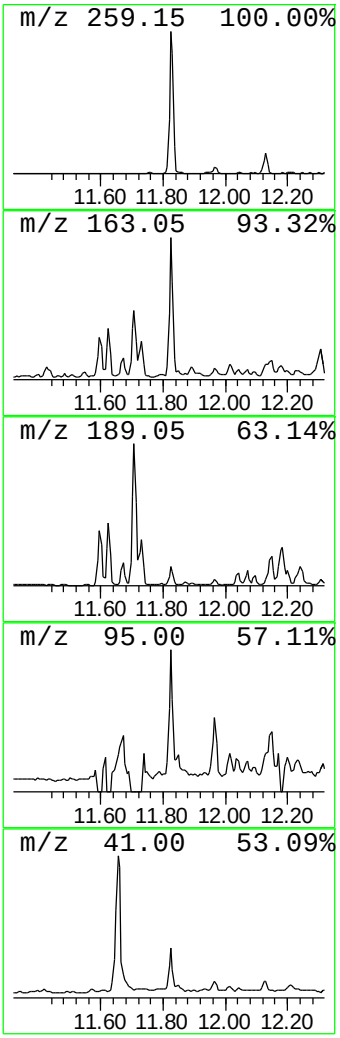
Peak Number 11 unknown11.82 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	13.96 ng	1526510	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, 3-(1,1-dimethyl...	274	C12H19O5P	094420-61-8	22
2	1,3,4-Trimethyladamantane	178	C13H22	1000214-98-3	20
3	Propanamide, N-(1-ethyl-1,2,3,4-...	274	C17H26N2O	063134-09-8	20
4	Benz[a]anthracen-7(12H)-one, 12-...	274	C19H14O2	017513-39-2	14
5	2-Propenal, 3-(2,6,6-trimethyl-1...	178	C12H18O	004951-40-0	14





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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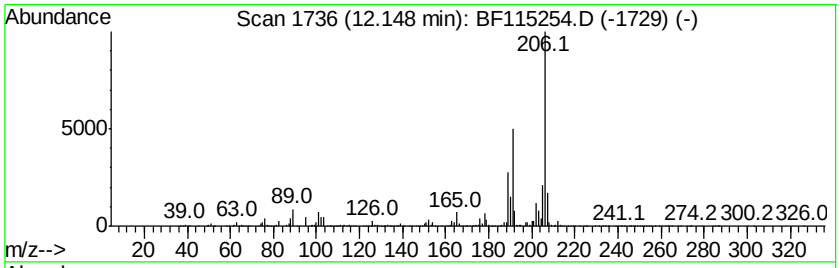
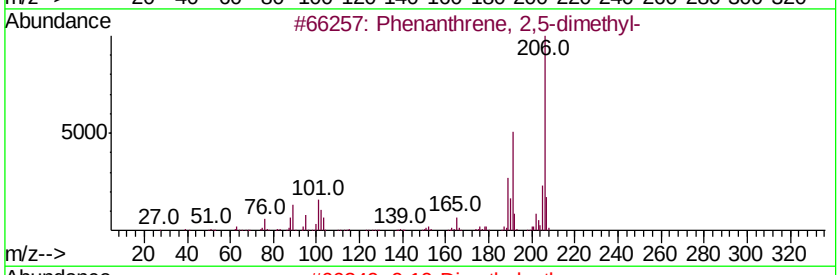
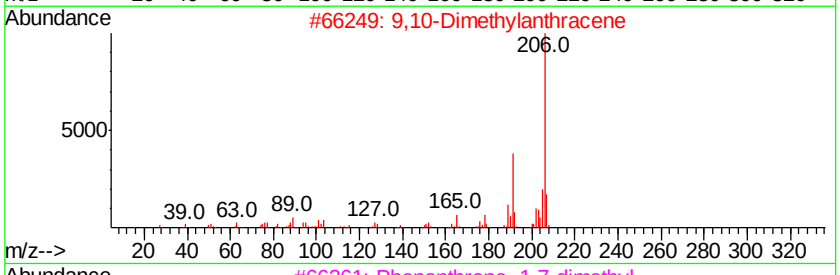
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

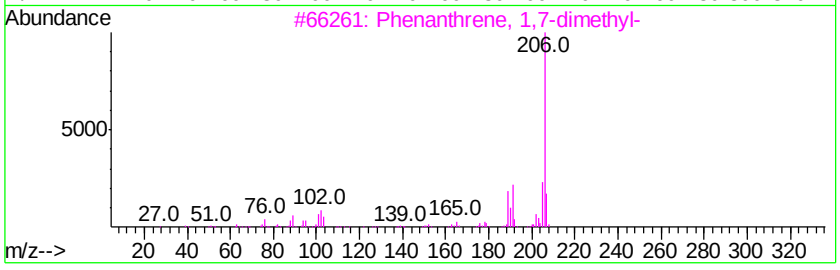
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	21.78 ng	2381580	Phenanthrene-d10	11.10

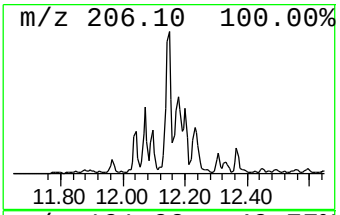
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91

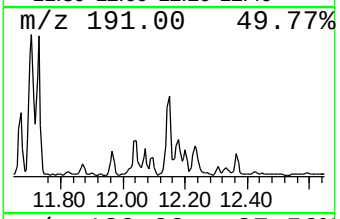


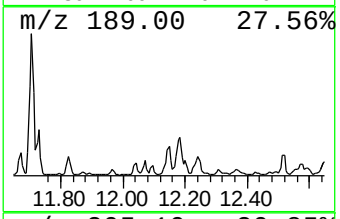


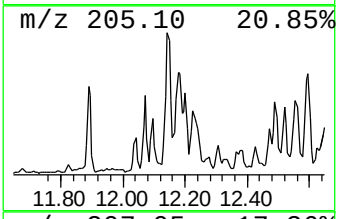


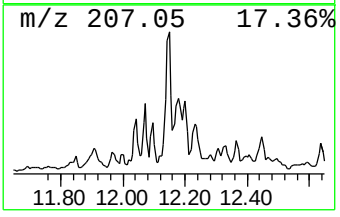












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Operator : HP/JU
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Misc :
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Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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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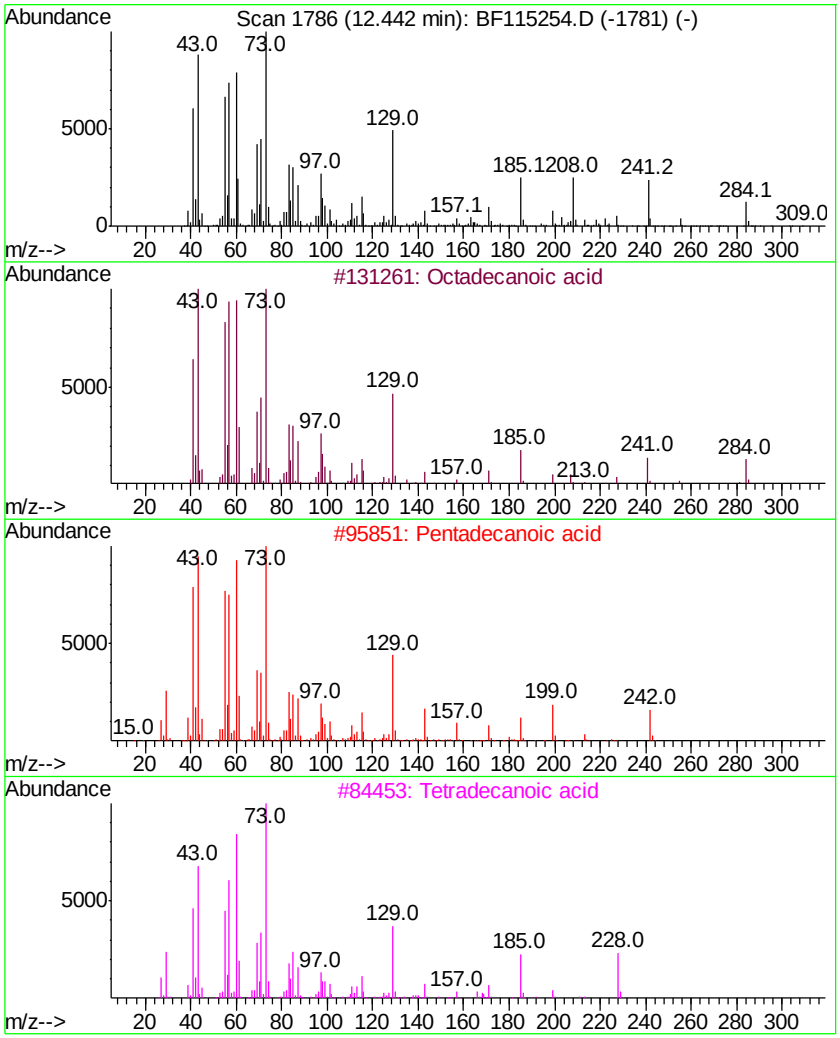
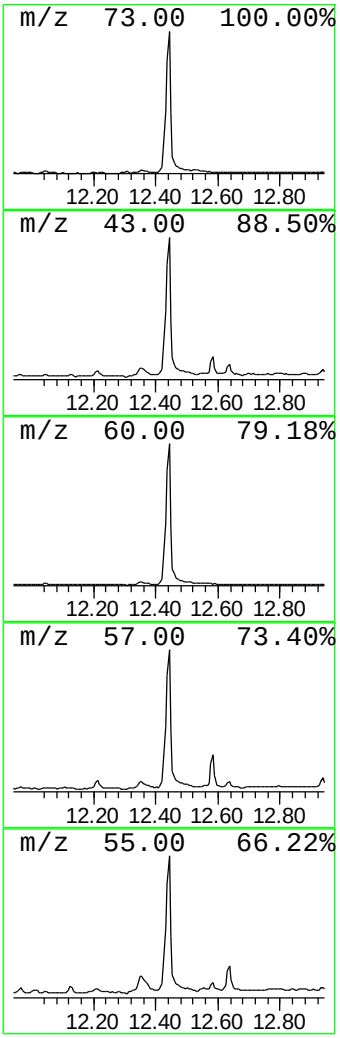
Peak Number 13 Octadecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	13.45 ng	5083330	Chrysene-d12	13.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	86
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	76
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	64
5	Tridecanoic acid	214	C13H26O2	000638-53-9	62





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TIC Integration Parameters: LSCINT.P

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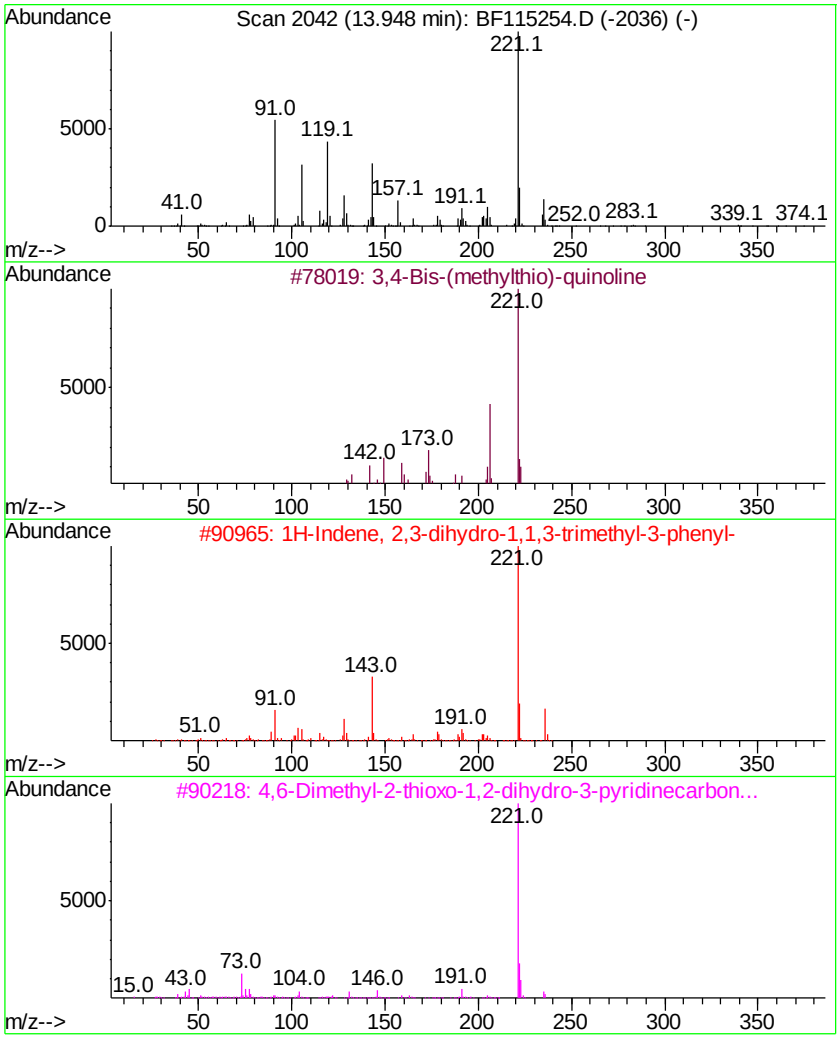
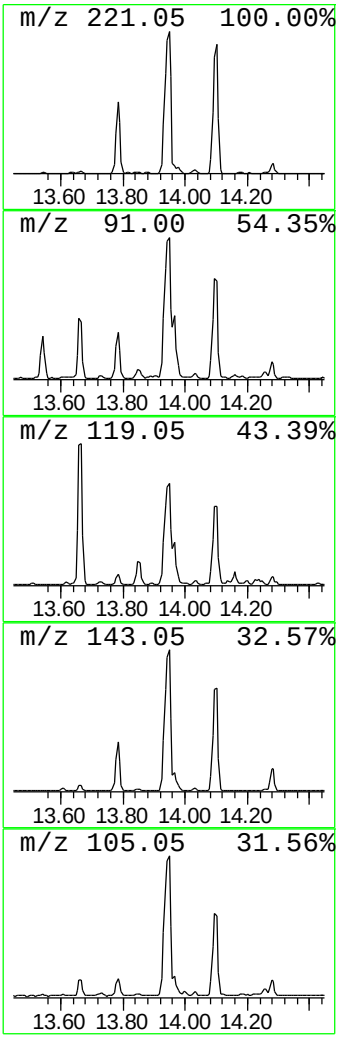
Peak Number 14 3,4-Bis-(methylthio)-quinoline Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	38.19 ng	14430700	Chrysene-d12	13.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Bis-(methylthio)-quinoline	221	C11H11NS2	074579-34-3	50
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	47
3	4,6-Dimethyl-2-thioxo-1,2-dihydr...	236	C11H16N2SSi	1000332-43-1	43
4	1H-Indole, 1-ethyl-2-phenyl-	221	C16H15N	013228-39-2	38
5	3-Amino-4,6-dimethylthieno[2,3-b...	221	C10H11N3OS	067795-42-0	38





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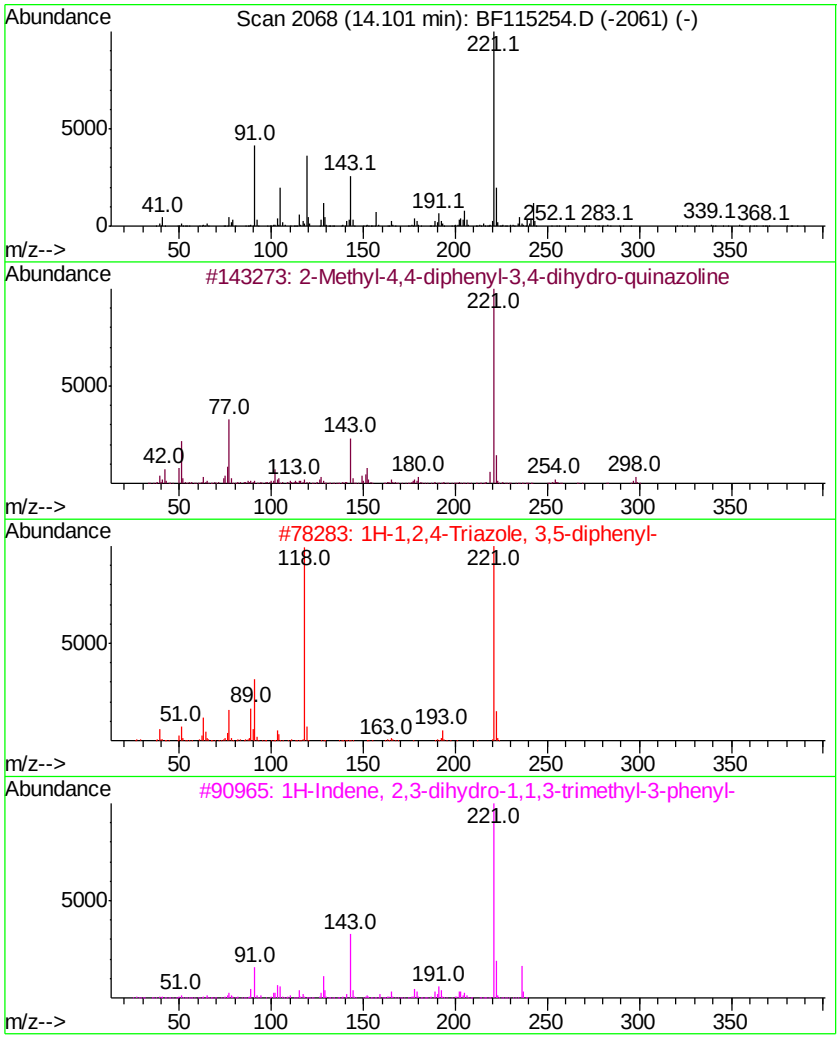
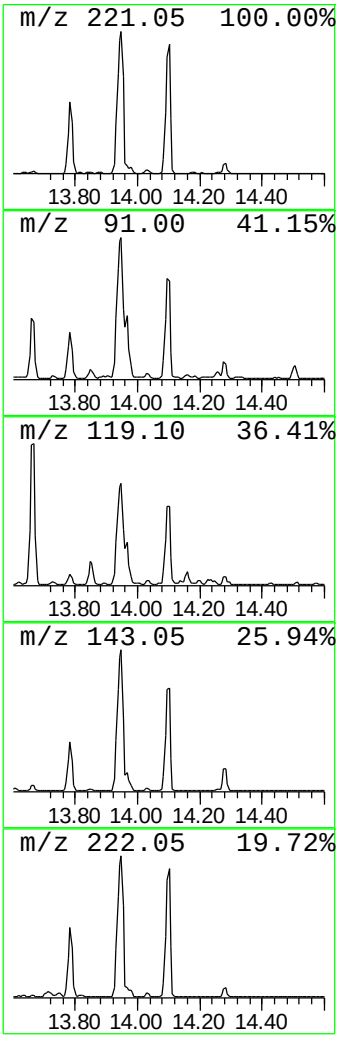
Peak Number 15 unknown14.10 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	22.79 ng	8611930	Chrysene-d12	13.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-4,4-diphenyl-3,4-dihydr...	298	C21H18N2	1000300-40-0	47
2	1H-1,2,4-Triazole, 3,5-diphenyl-	221	C14H11N3	002039-06-7	43
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	40
4	1-Dimethyl(phenyl)silyloxyhexane	236	C14H24OSi	018414-94-3	37
5	Benzene, 1-(1-hydroxyheptyl)-3-[...	390	C25H42O3	1000196-54-9	37





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TIC Library : C:\DATABASE\NIST11.L
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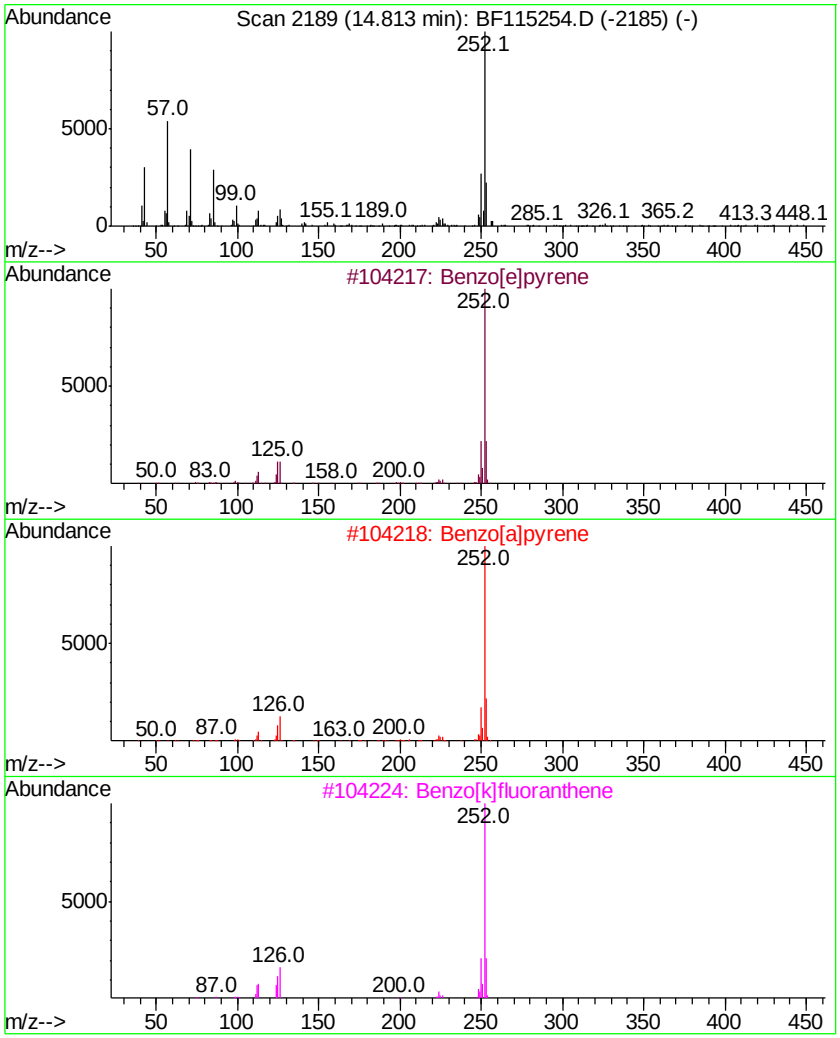
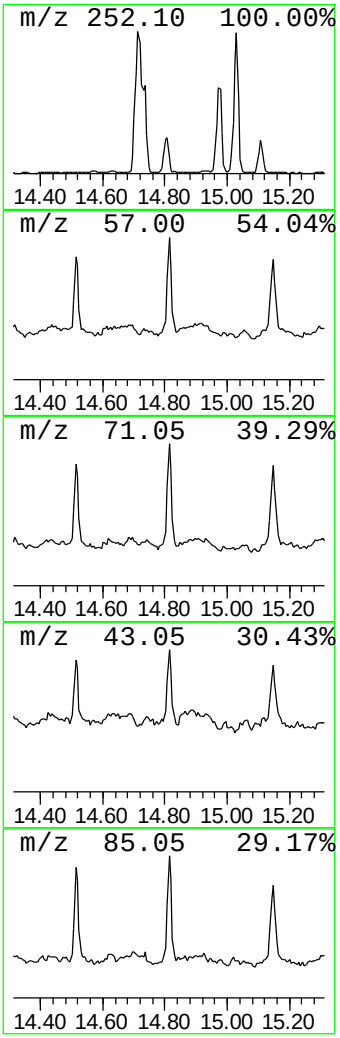
Peak Number 16 Benzo[e]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	12.92 ng	854328	Perylene-d12	15.08

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[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115254.D
Acq On : 28 Jun 2019 00:28
Operator : HP/JU
Sample : K3532-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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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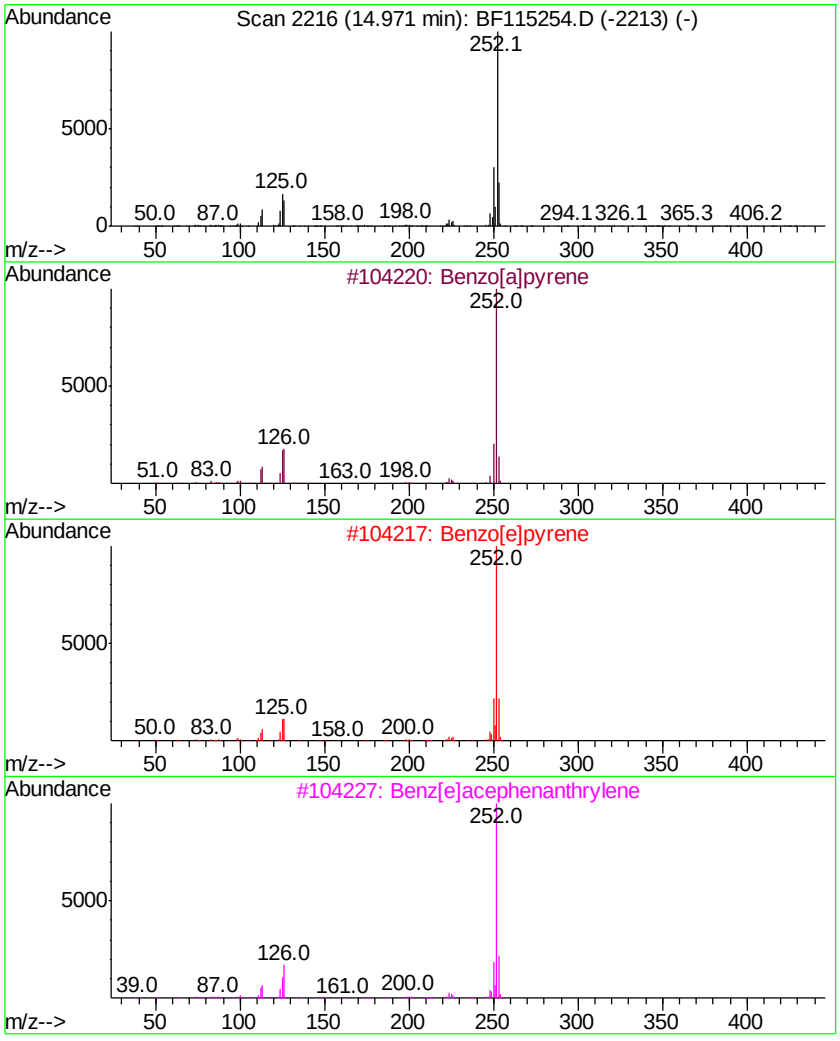
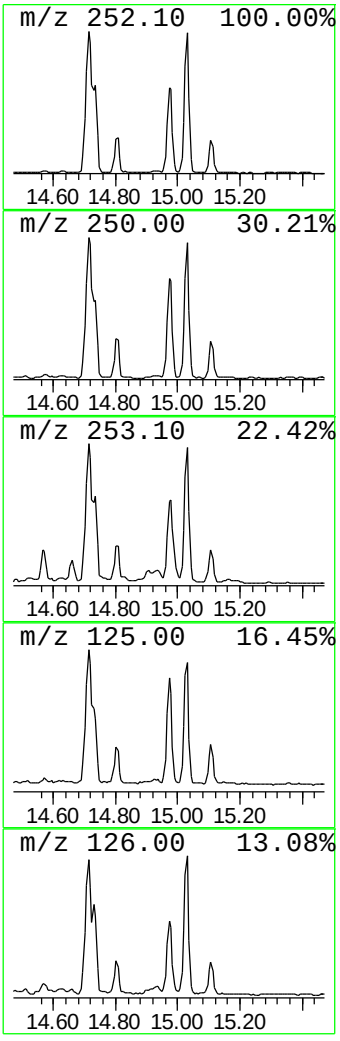
Peak Number 17 Benzo[j]fluoranthene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	29.86 ng	1974150	Perylene-d12	15.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115254.D
Acq On : 28 Jun 2019 00:28
Operator : HP/JU
Sample : K3532-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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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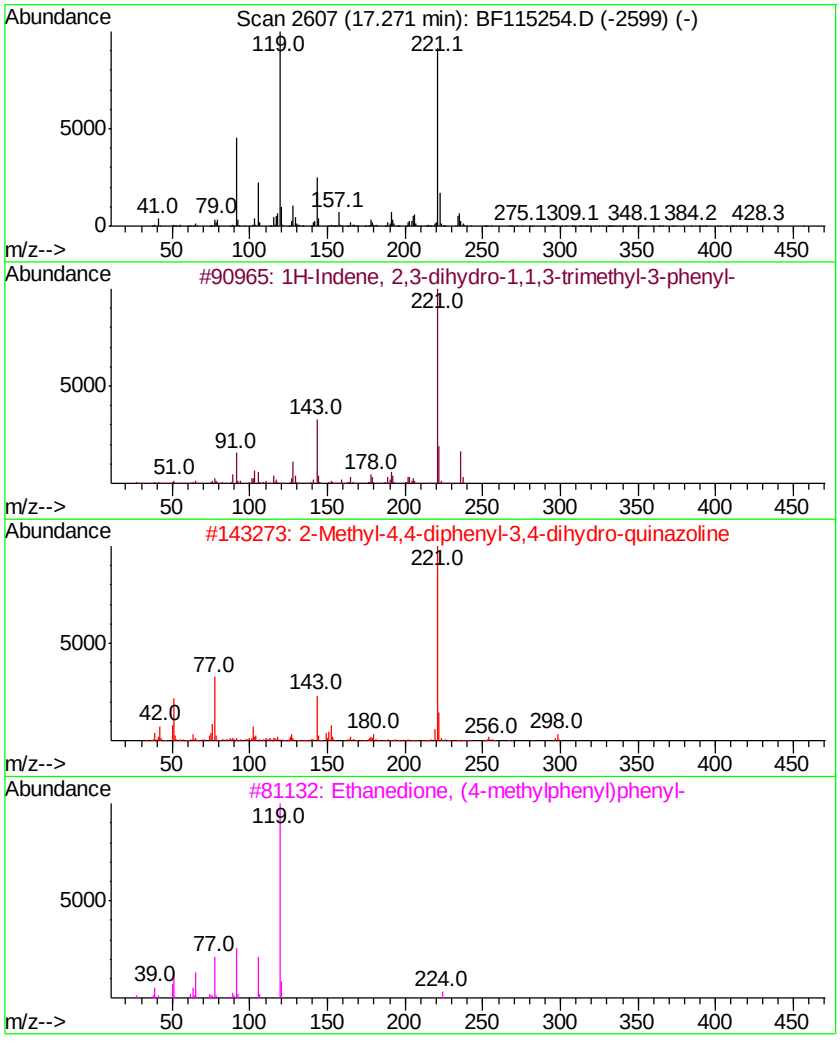
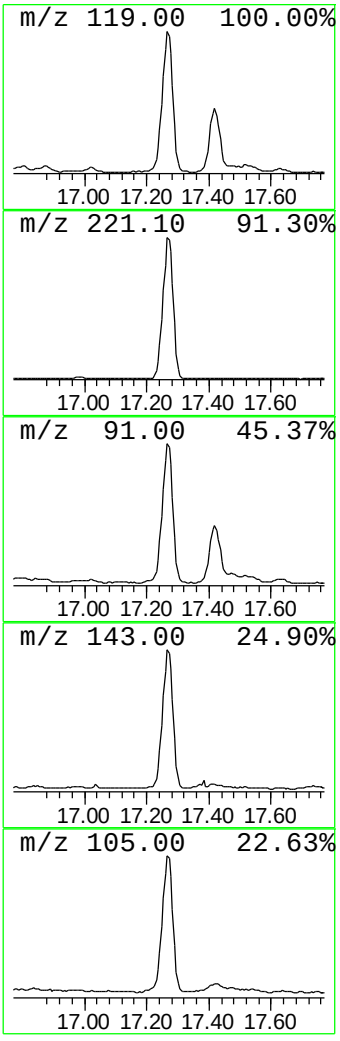
Peak Number 18 unknown17.27 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	78.32 ng	5177970	Perylene-d12	15.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	38
2	2-Methyl-4,4-diphenyl-3,4-dihydr...	298	C21H18N2	1000300-40-0	35
3	Ethanedione, (4-methylphenyl)phe...	224	C15H12O2	002431-00-7	35
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	35
5	3-Cyclohexen-1-amine, 2,5,6-trip...	325	C24H23N	033512-00-4	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115254.D
Acq On : 28 Jun 2019 00:28
Operator : HP/JU
Sample : K3532-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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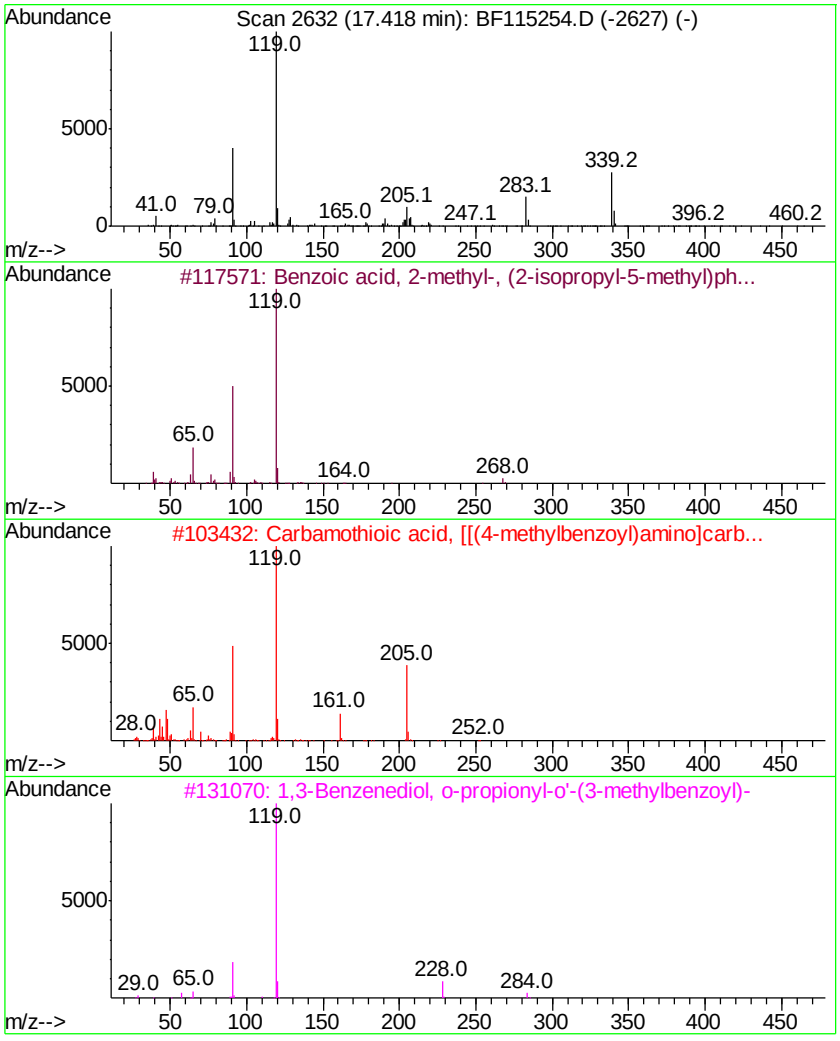
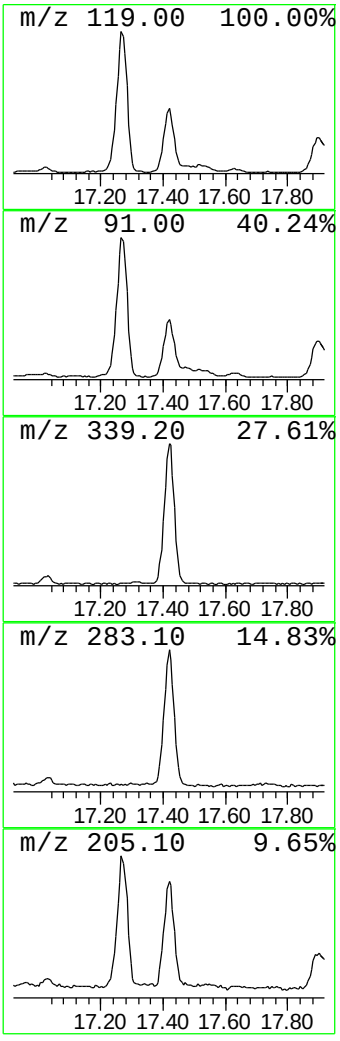
Peak Number 19 unknown17.42 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	18.49 ng	1222090	Perylene-d12	15.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-methyl-, (2-isop...	268	C18H20O2	032276-66-7	47
2	Carbamothioic acid, [[(4-methylb...	252	C11H12N2O3S	079340-20-8	47
3	1,3-Benzenediol, o-propionyl-o'-...	284	C17H16O4	1000330-82-7	47
4	5H-Cyclohepta[b]pyrazin-2(1H)-on...	328	C18H20N2O4	1000294-02-5	47
5	3-Cyclohexen-1-amine, 2,5,6-trip...	325	C24H23N	033512-00-4	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115254.D
Acq On : 28 Jun 2019 00:28
Operator : HP/JU
Sample : K3532-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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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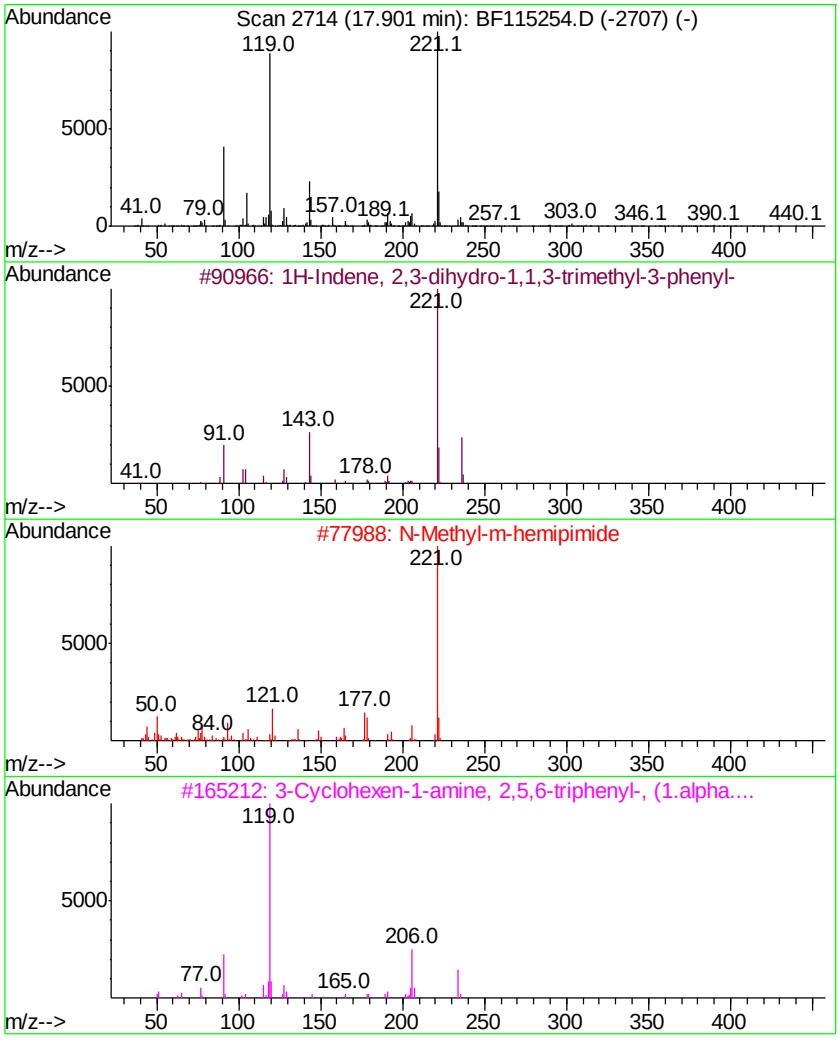
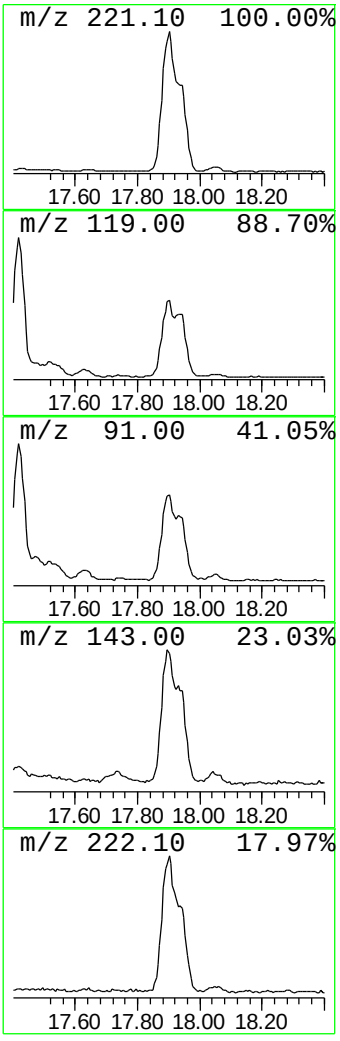
Peak Number 20 unknown17.90 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	23.93 ng	1582290	Perylene-d12	15.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	43
2	N-Methyl-m-hemipimide	221	C11H11NO4	092288-92-1	30
3	3-Cyclohexen-1-amine, 2,5,6-trip...	325	C24H23N	033441-42-8	27
4	1,5-Di-(p-tolyl)pentane-1,5-dione	280	C19H20O2	005333-22-2	27
5	2-Amino-2-oxo-acetic acid, N-[3,...	221	C12H15NO3	024451-17-0	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062719\
Data File : BF115254.D
Acq On : 28 Jun 2019 00:28
Operator : HP/JU
Sample : K3532-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TRIANGLE-AREA-SOIL-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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
Benzene, (1-methy...	5.77	31.7	ng	2117900	1	6.60	1337840	20.0
unknown6.37	6.37	75.5	ng	5053830	1	6.60	1337840	20.0
1H-Indene, 2,3-di...	10.72	82.5	ng	9022940	4	11.10	2186470	20.0
Benzene, 1,1'-(3,...	10.92	16.7	ng	1829730	4	11.10	2186470	20.0
Anthracene, 2-met...	11.60	21.3	ng	2326060	4	11.10	2186470	20.0
Phenanthrene, 2-m...	11.62	18.3	ng	1997110	4	11.10	2186470	20.0
n-Hexadecanoic acid	11.66	31.9	ng	3490030	4	11.10	2186470	20.0
4H-Cyclopenta[def...	11.71	27.1	ng	2957040	4	11.10	2186470	20.0
Phenanthrene, 1-m...	11.73	14.0	ng	1531770	4	11.10	2186470	20.0
unknown11.82	11.82	14.0	ng	1526510	4	11.10	2186470	20.0
Phenanthrene, 2,5...	12.15	21.8	ng	2381580	4	11.10	2186470	20.0
Octadecanoic acid	12.44	13.4	ng	5083330	5	13.72	7557760	20.0
3,4-Bis-(methylth...	13.95	38.2	ng	14430700	5	13.72	7557760	20.0
unknown14.10	14.10	22.8	ng	8611930	5	13.72	7557760	20.0
Benzo[e]pyrene	14.81	12.9	ng	854328	6	15.08	1322190	20.0
Benzo[j]fluoranthene	14.97	29.9	ng	1974150	6	15.08	1322190	20.0
unknown17.27	17.27	78.3	ng	5177970	6	15.08	1322190	20.0
unknown17.42	17.42	18.5	ng	1222090	6	15.08	1322190	20.0
unknown17.90	17.90	23.9	ng	1582290	6	15.08	1322190	20.0