LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071719\
Data File : BF115635.D
Acq On : 17 Jul 2019 21:12
Operator : HP/JU
Sample : K3852-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-2_071619

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-BF071219.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	2.210	12	21	32	rVB	1604118	2253690	55.70%	2.831%
2	5.381	556	560	564	rBV	206573	183243	4.53%	0.230%
3	5.510	575	582	585	rBV	3594483	3711641	91.73%	4.662%
4	5.728	615	619	623	rBV	1984333	1829516	45.22%	2.298%
5	6.063	671	676	679	rBV	200891	181371	4.48%	0.228%
6	6.345	717	724	727	rBV	98630	112086	2.77%	0.141%
7	6.516	747	753	756	rBV	3518295	3877513	95.83%	4.871%
8	6.657	770	777	780	rBV	3920807	4046066	100.00%	5.083%
9	6.881	811	815	819	rBV	1454385	1211240	29.94%	1.522%
10	7.039	838	842	845	rBV	3547116	3201370	79.12%	4.021%
11	7.439	905	910	913	rBV	2524718	2549818	63.02%	3.203%
12	8.163	1029	1033	1035	rBV	1829739	1527906	37.76%	1.919%
13	8.181	1035	1036	1040	rVB	243938	174928	4.32%	0.220%
14	9.233	1210	1215	1219	rBV	3955446	3856358	95.31%	4.844%
15	9.622	1278	1281	1286	rVV	664169	534505	13.21%	0.671%
16	9.916	1327	1331	1334	rBV	1537511	1329804	32.87%	1.670%
17	9.945	1334	1336	1339	rVB	456794	335939	8.30%	0.422%
18	10.116	1361	1365	1369	rBV	246069	200083	4.95%	0.251%
19	10.457	1420	1423	1428	rVB	333016	284233	7.02%	0.357%
20	10.616	1448	1450	1454	rVB	119372	92941	2.30%	0.117%
21	10.698	1459	1464	1468	rBV	2302656	2131534	52.68%	2.678%
22	10.822	1481	1485	1492	rVB3	130899	184117	4.55%	0.231%
23	11.004	1509	1516	1518	rBV3	82357	126151	3.12%	0.158%
24	11.027	1518	1520	1524	rVB	292187	238836	5.90%	0.300%
25	11.169	1540	1544	1547	rVV	221881	256408	6.34%	0.322%
26	11.198	1547	1549	1553	rVB	247290	199930	4.94%	0.251%
27	11.263	1553	1560	1562	rBV3	144016	211111	5.22%	0.265%
28	11.292	1562	1565	1571	rVB	264776	244657	6.05%	0.307%
29	11.398	1579	1583	1585	rVV	1352646	1294085	31.98%	1.626%
30	11.422	1585	1587	1590	rVV	2924871	2661655	65.78%	3.343%
31	11.469	1590	1595	1598	rVV	728209	750168	18.54%	0.942%
32	11.504	1598	1601	1604	rVB	110137	105637	2.61%	0.133%
33	11.622	1616	1621	1623	rBV2	406209	424082	10.48%	0.533%
34	11.692	1629	1633	1636	rVV	255199	220879	5.46%	0.277%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3852-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-2_071619

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.898	1662	1668	1670	rVV	356190	362899	8.97%	0.456%
36	11.922	1670	1672	1676	rVV	958506	883370	21.83%	1.110%
37	11.974	1678	1681	1683	rVV	173498	174876	4.32%	0.220%
38	12.010	1683	1687	1689	rVV	605479	617437	15.26%	0.776%
39	12.033	1689	1691	1694	rVB2	233770	194284	4.80%	0.244%
40	12.098	1699	1702	1705	rVB	173424	140239	3.47%	0.176%
41	12.192	1715	1718	1720	rBV	291256	257671	6.37%	0.324%
42	12.210	1720	1721	1724	rVB	288739	221948	5.49%	0.279%
43	12.374	1746	1749	1751	rBV2	96475	106259	2.63%	0.133%
44	12.445	1758	1761	1764	rBV	226018	230694	5.70%	0.290%
45	12.486	1764	1768	1773	rVV2	179435	213702	5.28%	0.268%
46	12.533	1773	1776	1782	rVB2	204008	222902	5.51%	0.280%
47	12.616	1785	1790	1793	rVV	3874746	3679370	90.94%	4.622%
48	12.669	1797	1799	1802	rVV2	116120	111207	2.75%	0.140%
49	12.704	1802	1805	1807	rVV	216497	206736	5.11%	0.260%
50	12.739	1807	1811	1812	rVV4	95934	155646	3.85%	0.196%
51	12.757	1812	1814	1819	rVV	168518	219641	5.43%	0.276%
52	12.845	1822	1829	1833	rVV2	2966750	3765978	93.08%	4.731%
53	12.886	1833	1836	1841	rVB2	155452	191818	4.74%	0.241%
54	12.980	1848	1852	1859	rVB	3153610	3103818	76.71%	3.899%
55	13.057	1859	1865	1868	rBV2	238727	418511	10.34%	0.526%
56	13.121	1872	1876	1877	rBV3	77492	93878	2.32%	0.118%
57	13.139	1877	1879	1881	rVV2	156106	179300	4.43%	0.225%
58	13.163	1881	1883	1886	rVB	485372	411359	10.17%	0.517%
59	13.210	1886	1891	1892	rBV3	89035	125346	3.10%	0.157%
60	13.227	1892	1894	1897	rVV	249472	205005	5.07%	0.258%
61	13.269	1897	1901	1903	rVV2	330103	347429	8.59%	0.436%
62	13.292	1903	1905	1908	rVB	111992	100520	2.48%	0.126%
63	13.327	1908	1911	1914	rBV2	93112	137267	3.39%	0.172%
64	13.363	1914	1917	1919	rVB	145357	131205	3.24%	0.165%
65	13.392	1919	1922	1925	rBV2	151873	167310	4.14%	0.210%
66	13.563	1944	1951	1954	rBV7	147954	304444	7.52%	0.382%
67	13.668	1966	1969	1974	rVB	396728	399339	9.87%	0.502%
68	13.780	1984	1988	1991	rBV2	341545	446685	11.04%	0.561%
69	13.810	1991	1993	1995	rVV	283334	210060	5.19%	0.264%
70	13.839	1995	1998	2001	rVV3	1397072	1356962	33.54%	1.705%
71	13.874	2001	2004	2007	rBV2	349625	310989	7.69%	0.391%

LSC Area Percent Report

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Sample : K3852-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-2_071619

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.027	2023	2030	2034	rBV3	2316656	3619518	89.46%	4.547%
73	14.063	2034	2036	2041	rVB	1986367	1607850	39.74%	2.020%
74	14.139	2047	2049	2051	rBV	306083	224778	5.56%	0.282%
75	14.168	2051	2054	2056	rVV2	480657	426338	10.54%	0.536%
76	14.204	2056	2060	2064	rVV2	697405	818487	20.23%	1.028%
77	14.233	2064	2065	2066	rVV	178984	107462	2.66%	0.135%
78	14.257	2066	2069	2072	rVB2	416069	434534	10.74%	0.546%
79	14.292	2072	2075	2080	rVB2	115254	157208	3.89%	0.197%
80	14.380	2088	2090	2092	rBV	106419	91182	2.25%	0.115%
81	14.415	2092	2096	2099	rVB	322411	321104	7.94%	0.403%
82	14.451	2099	2102	2105	rVB2	211641	187584	4.64%	0.236%
83	14.498	2108	2110	2115	rVB2	175271	241999	5.98%	0.304%
84	14.545	2115	2118	2120	rBV2	235399	273644	6.76%	0.344%
85	14.610	2125	2129	2135	rVB4	138474	232314	5.74%	0.292%
86	14.721	2145	2148	2151	rBV2	102959	140189	3.46%	0.176%
87	14.804	2160	2162	2166	rBV	147318	128857	3.18%	0.162%
88	15.074	2203	2208	2211	rBV	1511670	2393709	59.16%	3.007%
89	15.145	2217	2220	2223	rVB2	153573	160064	3.96%	0.201%
90	15.180	2223	2226	2229	rVB	311036	299023	7.39%	0.376%
91	15.268	2238	2241	2243	rBV2	94240	132223	3.27%	0.166%
92	15.374	2255	2259	2265	rVB	872291	1248326	30.85%	1.568%
93	15.445	2265	2271	2276	rBV	1231886	1601988	39.59%	2.012%
94	15.504	2276	2281	2283	rBV	724474	991159	24.50%	1.245%
95	15.527	2283	2285	2292	rVB2	475759	643126	15.90%	0.808%
96	16.062	2373	2376	2384	rVB2	79678	119146	2.94%	0.150%
97	16.968	2524	2530	2537	rVB2	532404	1036839	25.63%	1.302%
98	17.139	2556	2559	2564	rVB	103066	157205	3.89%	0.197%
99	17.198	2566	2569	2573	rBV2	66685	102943	2.54%	0.129%
100	17.409	2599	2605	2617	rVB	357872	758697	18.75%	0.953%

Sum of corrected areas: 79607101

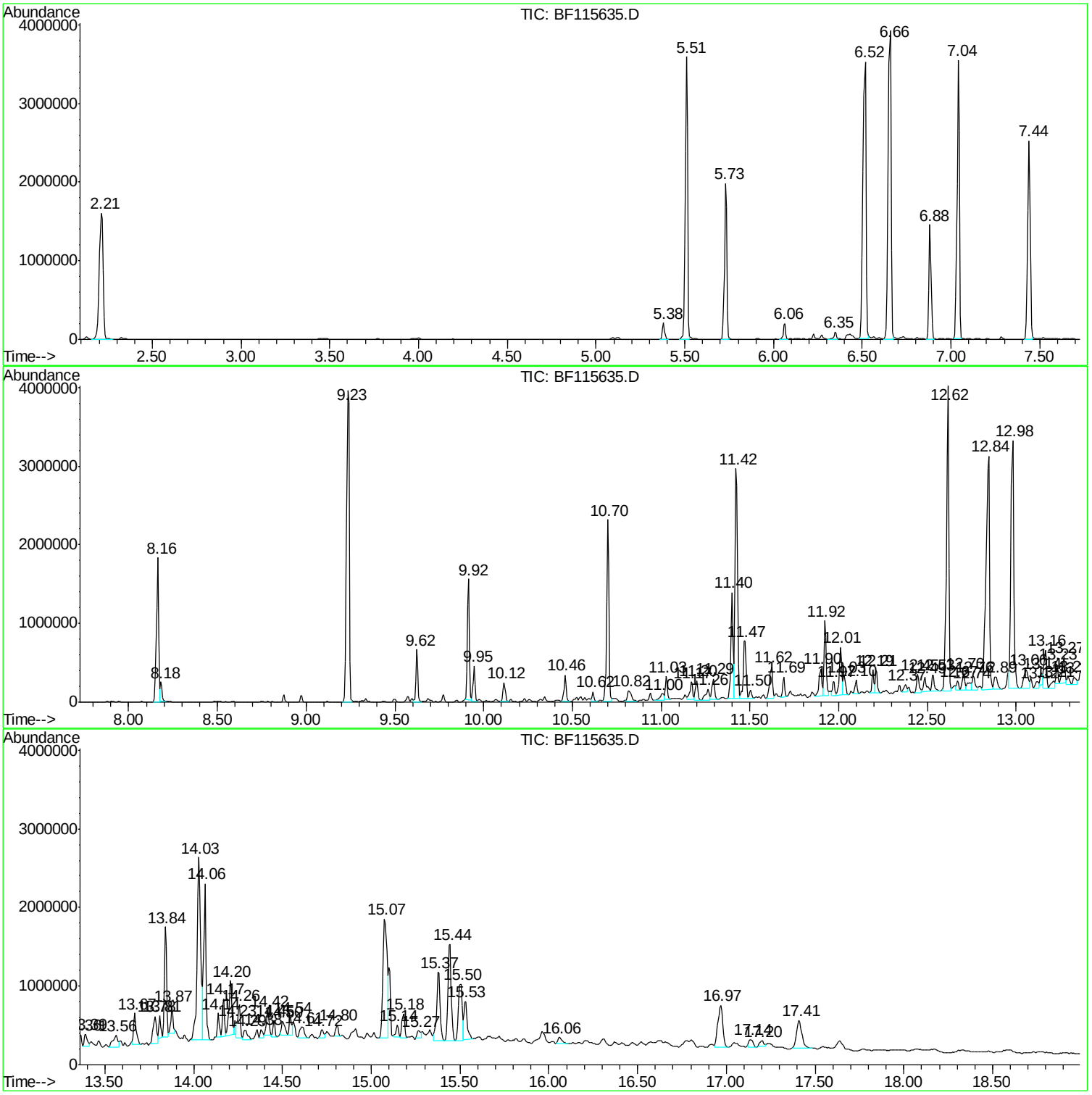
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071719\
Data File : BF115635.D
Acq On : 17 Jul 2019 21:12
Operator : HP/JU
Sample : K3852-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-2_071619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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\BF071719\
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Sample : K3852-02
Misc :
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Instrument : BNA_F
ClientSampleId : COMP-2_071619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

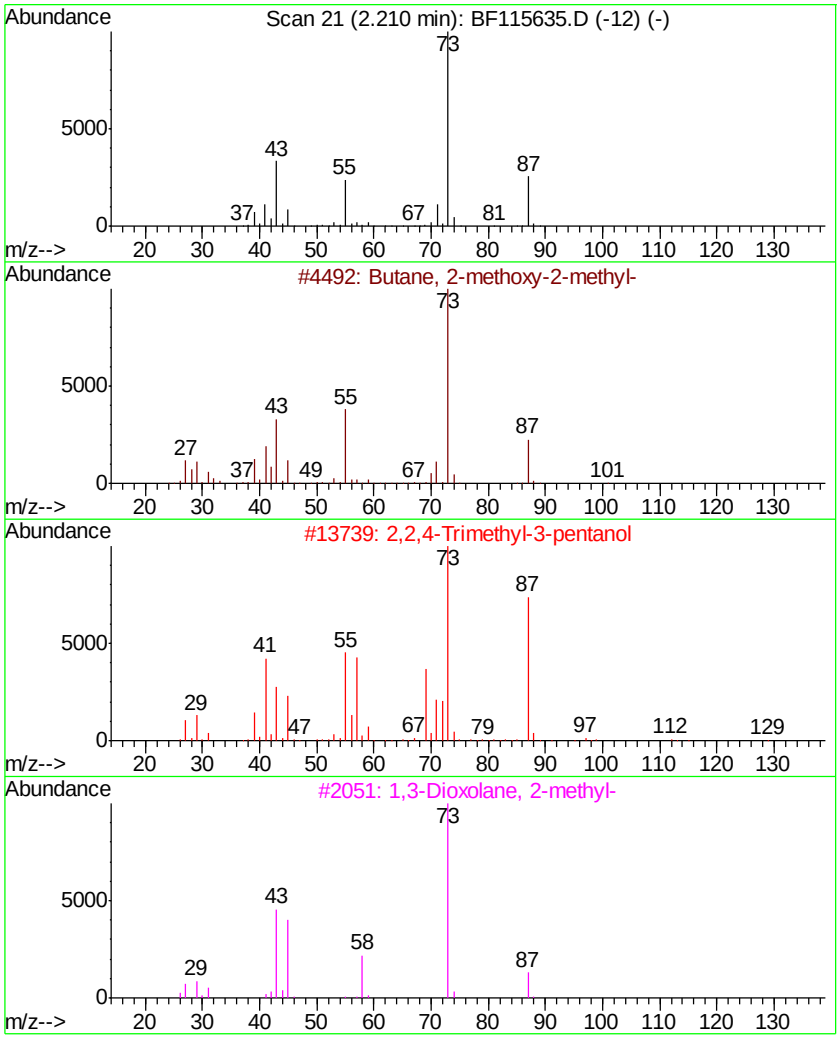
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

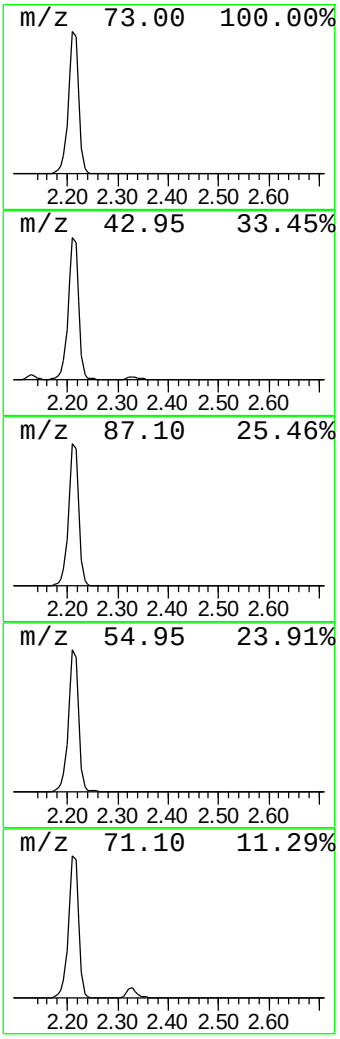
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.21	37.21 ng	2253690	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071719\
Data File : BF115635.D
Acq On : 17 Jul 2019 21:12
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Sample : K3852-02
Misc :
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Instrument : BNA_F
ClientSampleId : COMP-2_071619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

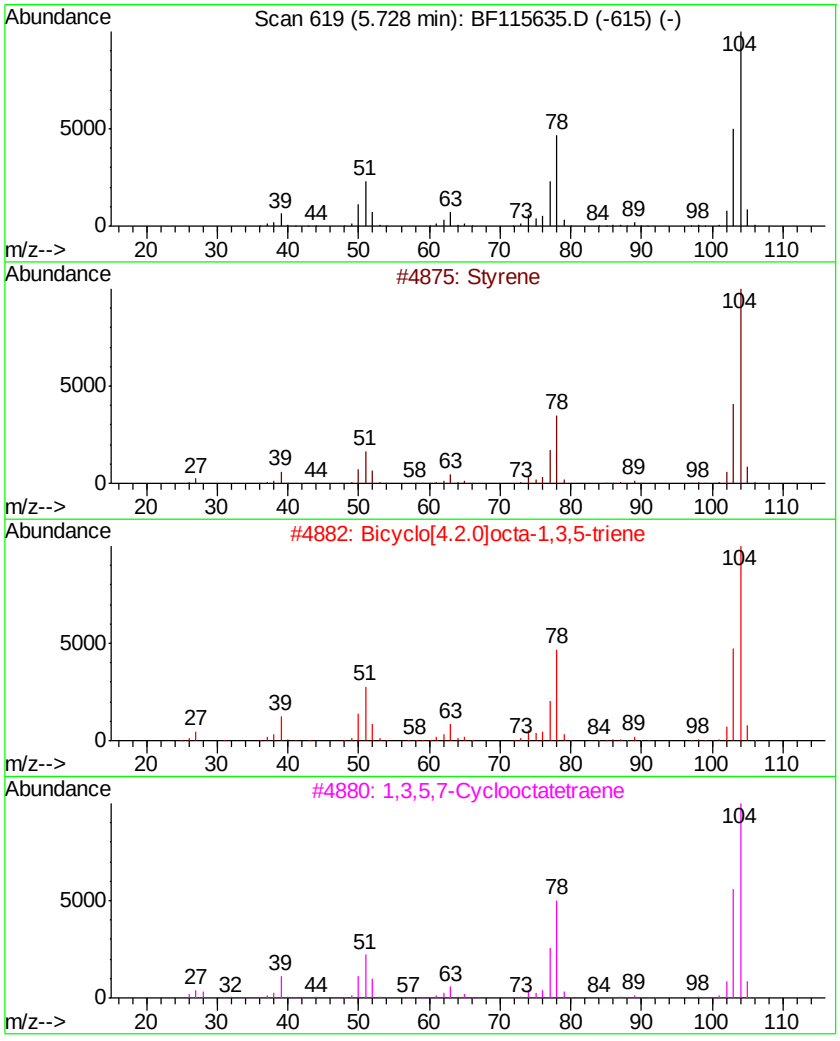
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

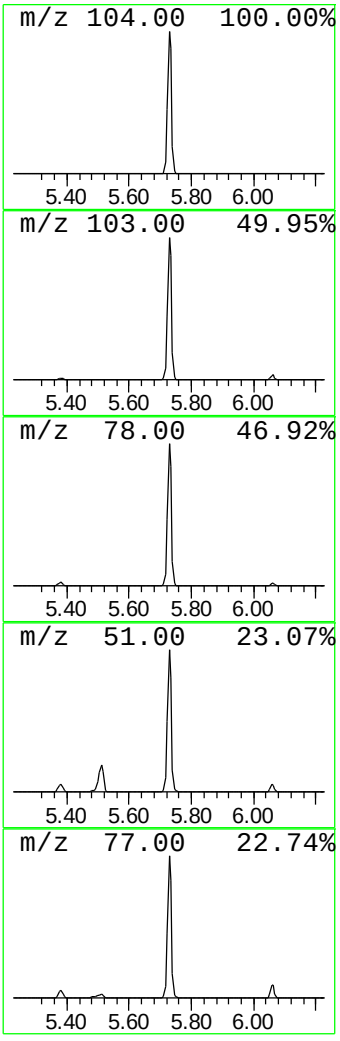
****

Peak Number 2 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	30.21 ng	1829520	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Styrene	104	C8H8	000100-42-5	97
2	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	97
3	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	96
4	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	72
5	1,3,7-Octatrien-5-yne	104	C8H8	016607-77-5	25





Library Search Compound Report

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Misc :
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

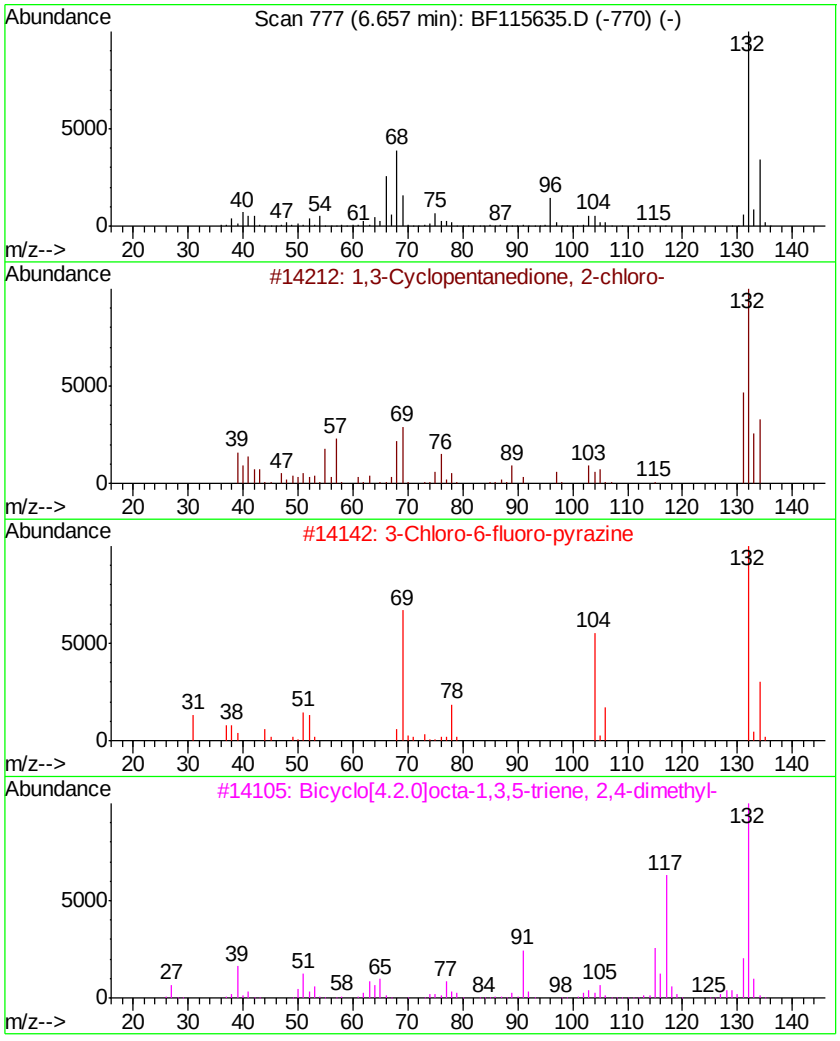
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

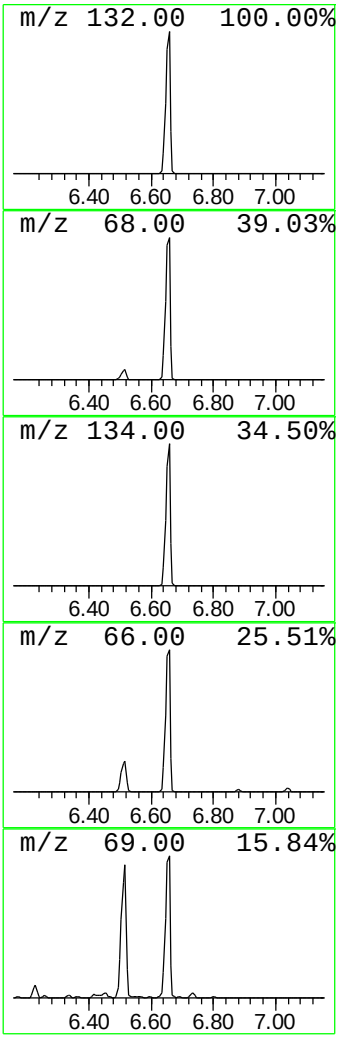
****

Peak Number 3 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	66.81 ng	4046070	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	37
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Data File : BF115635.D
Acq On : 17 Jul 2019 21:12
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Instrument : BNA_F
ClientSampleId : COMP-2_071619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

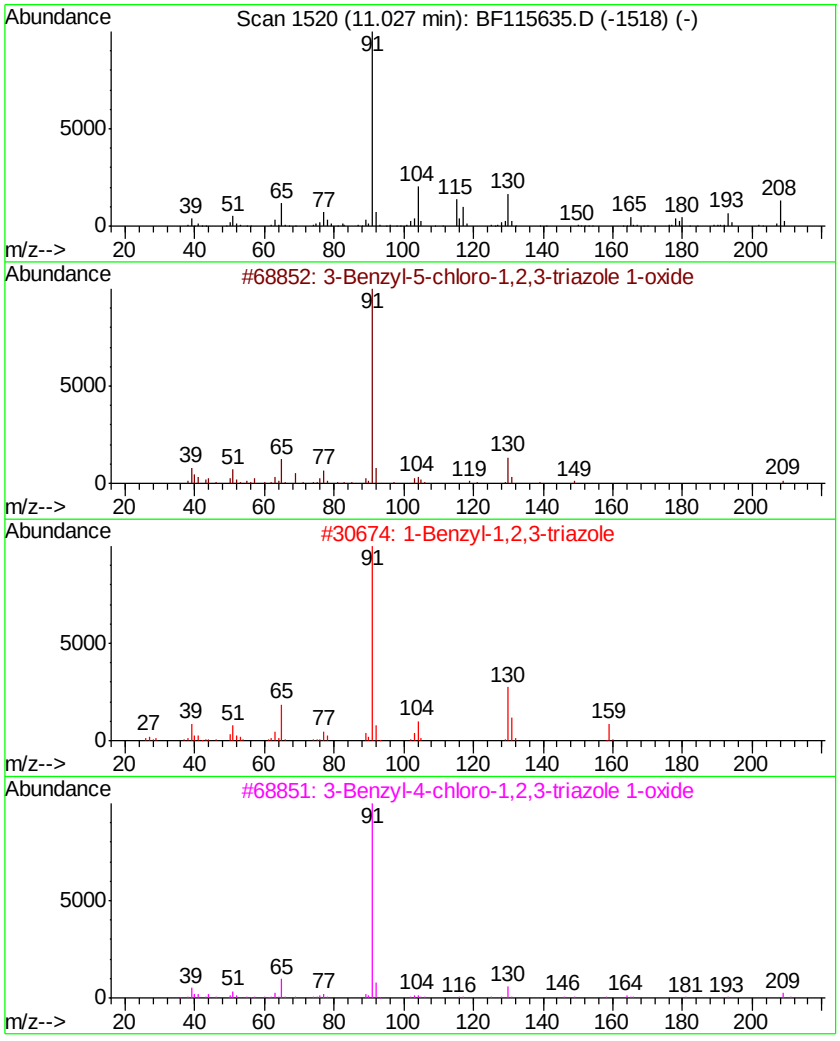
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

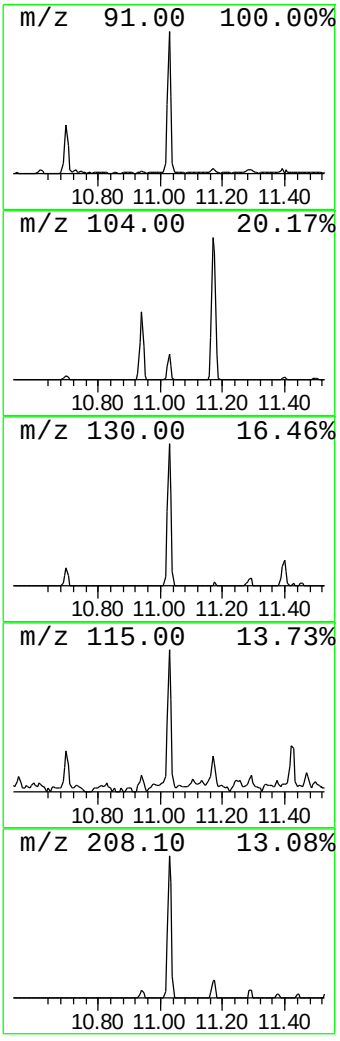
****

Peak Number 5 unknown11.03 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	3.69 ng	238836	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Benzyl-5-chloro-1,2,3-triazole...	209	C9H8ClN3O	116932-67-3	30
2	1-Benzyl-1,2,3-triazole	159	C9H9N3	004368-68-7	27
3	3-Benzyl-4-chloro-1,2,3-triazole...	209	C9H8ClN3O	116932-63-9	18
4	Benzenebutanenitrile	145	C10H11N	002046-18-6	16
5	3-Butynylbenzene	130	C10H10	016520-62-0	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071719\
Data File : BF115635.D
Acq On : 17 Jul 2019 21:12
Operator : HP/JU
Sample : K3852-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-2_071619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

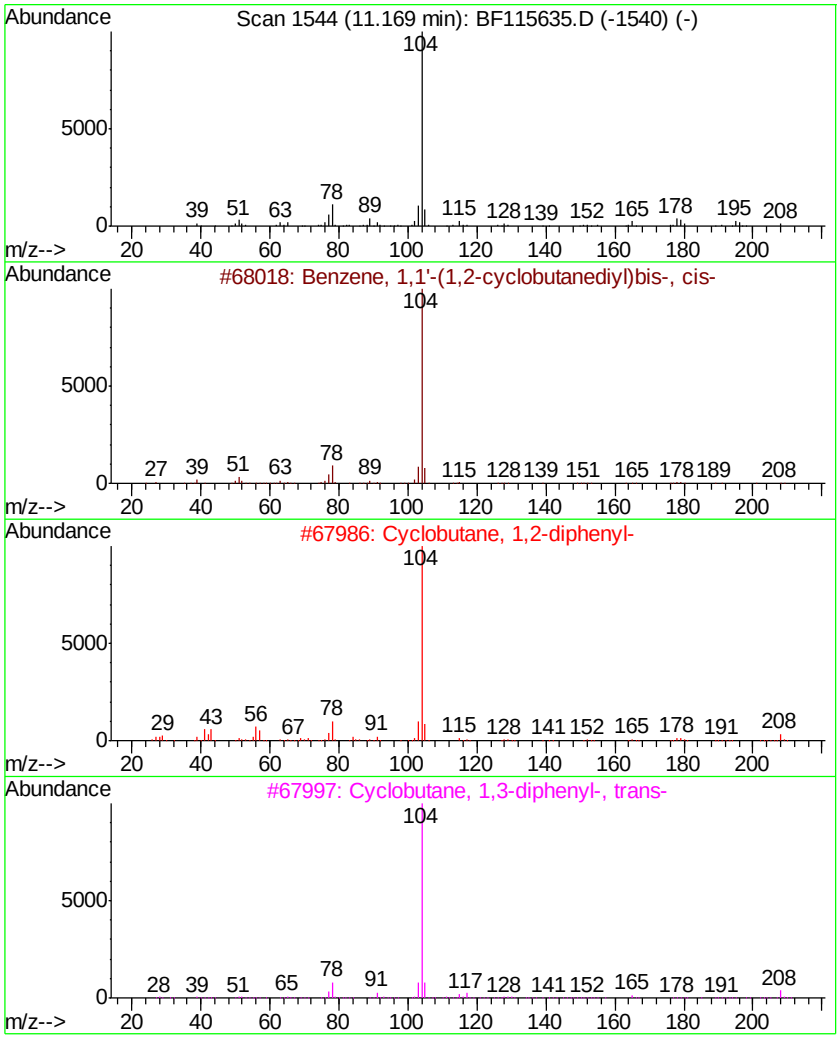
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

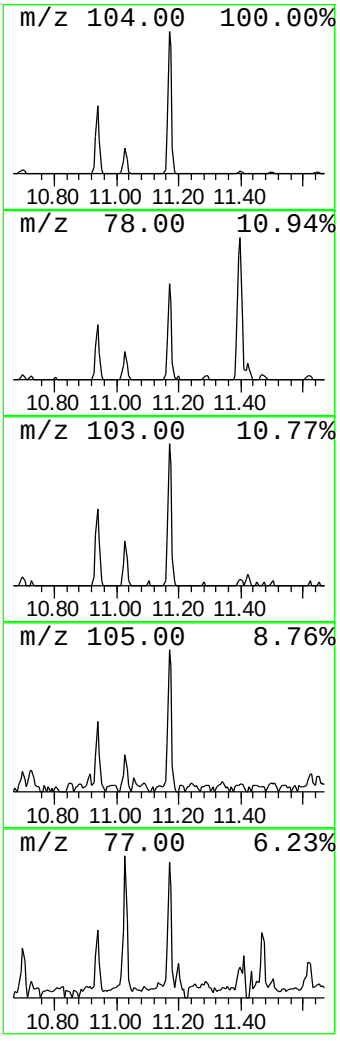
****

Peak Number 6 Benzene, 1,1'-(1,2-cyclobut... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	3.96 ng	256408	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	86
2	Cyclobutane, 1,2-diphenyl-	208	C16H16	003018-21-1	50
3	Cyclobutane, 1,3-diphenyl-, trans-	208	C16H16	025558-23-0	50
4	Monomethyl 3-phenylcyclobutane-1...	234	C13H14O4	1000100-51-7	50
5	Silane, trimethyl(phenethylthio)-	210	C11H18SSi	014856-80-5	40





Library Search Compound Report

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Acq On : 17 Jul 2019 21:12
Operator : HP/JU
Sample : K3852-02
Misc :
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ClientSampleId : COMP-2_071619

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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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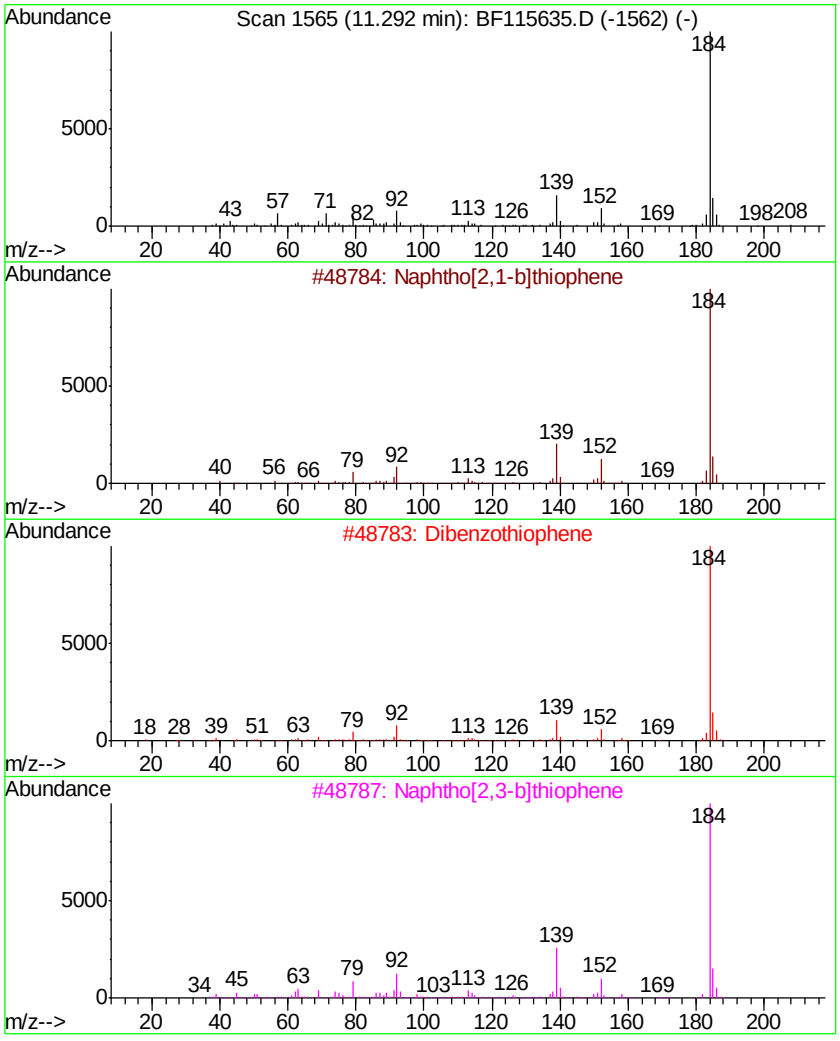
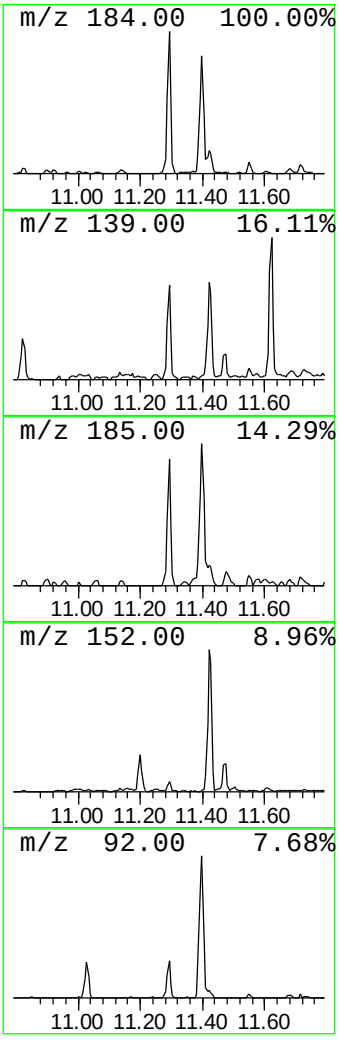
Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	3.78 ng	244657	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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ClientSampleId : COMP-2_071619

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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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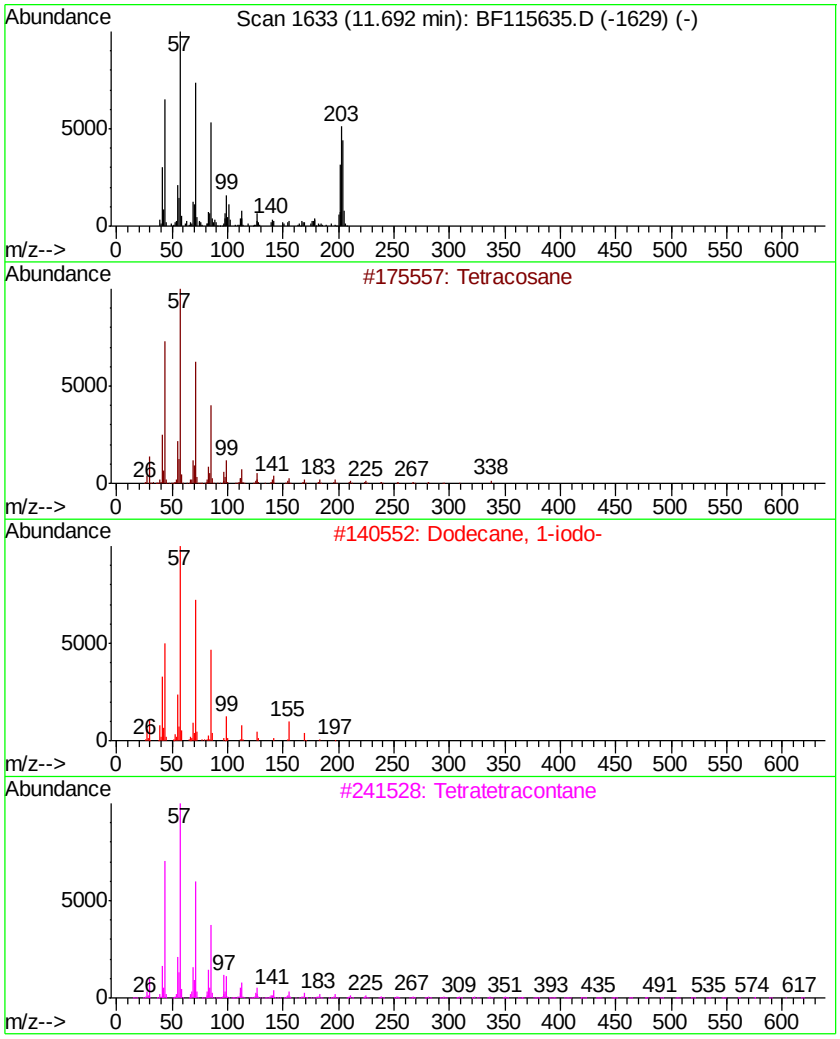
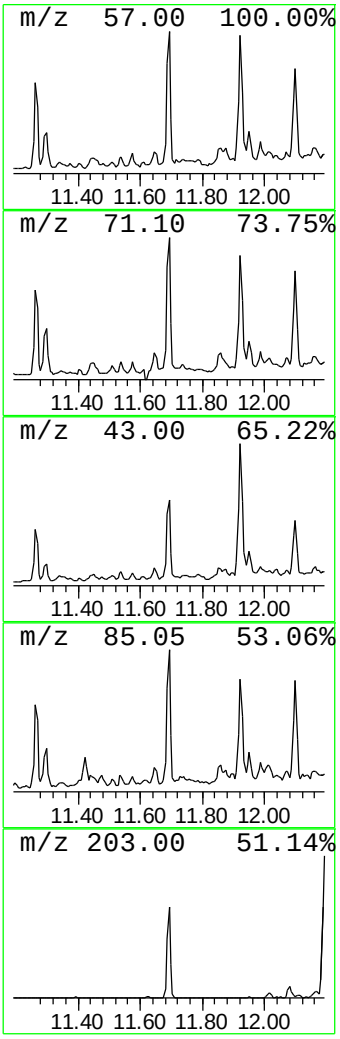
Peak Number 8 unknown11.69 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	3.41 ng	220879	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	46
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	46
3	Tetratetracontane	619	C44H90	007098-22-8	46
4	Hexadecane	226	C16H34	000544-76-3	46
5	Nonadecane	268	C19H40	000629-92-5	42





Library Search Compound Report

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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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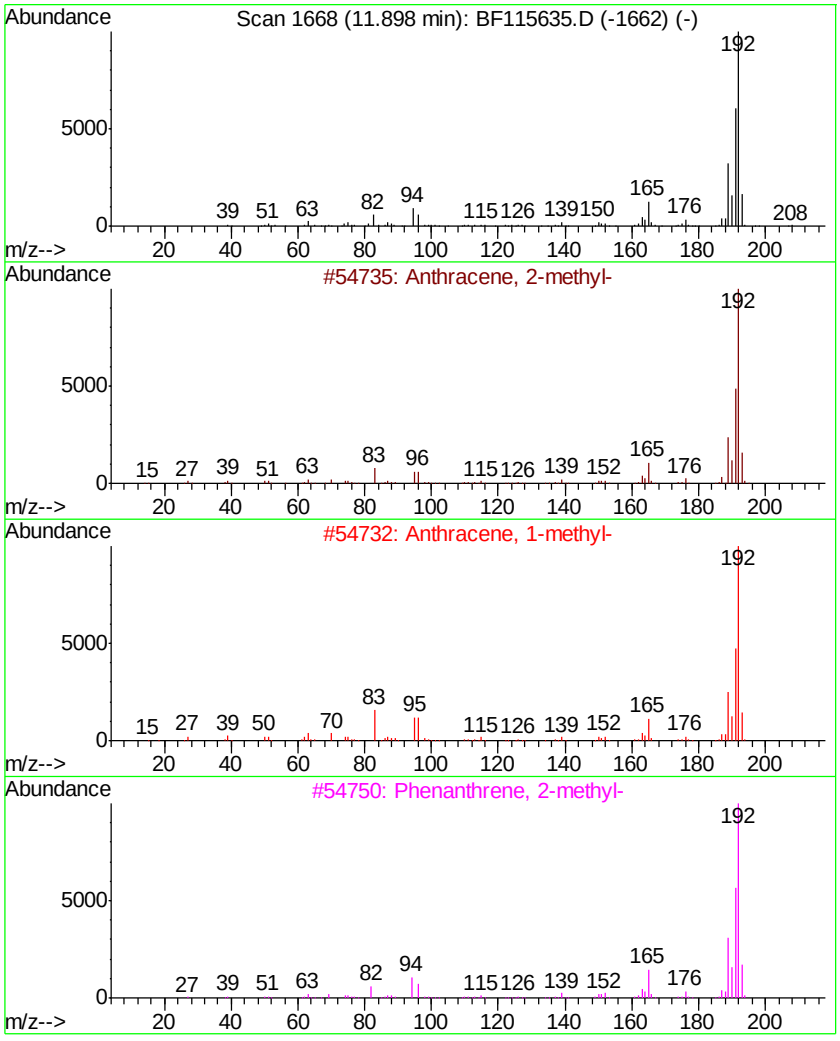
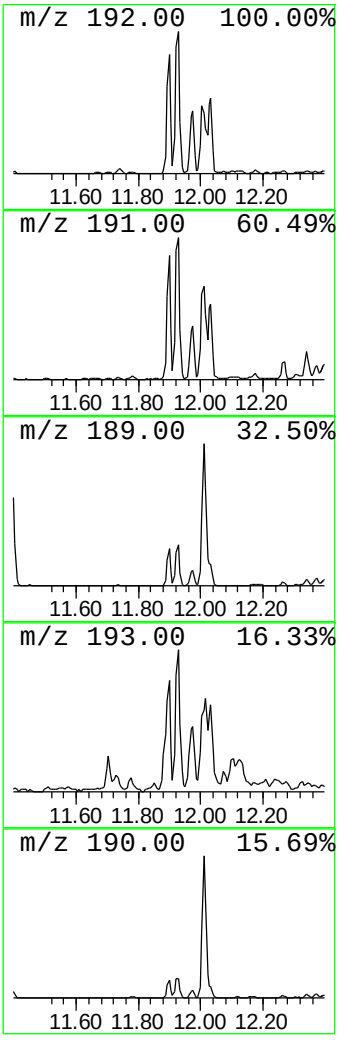
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	5.61 ng	362899	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Instrument : BNA_F
ClientSampleId : COMP-2_071619

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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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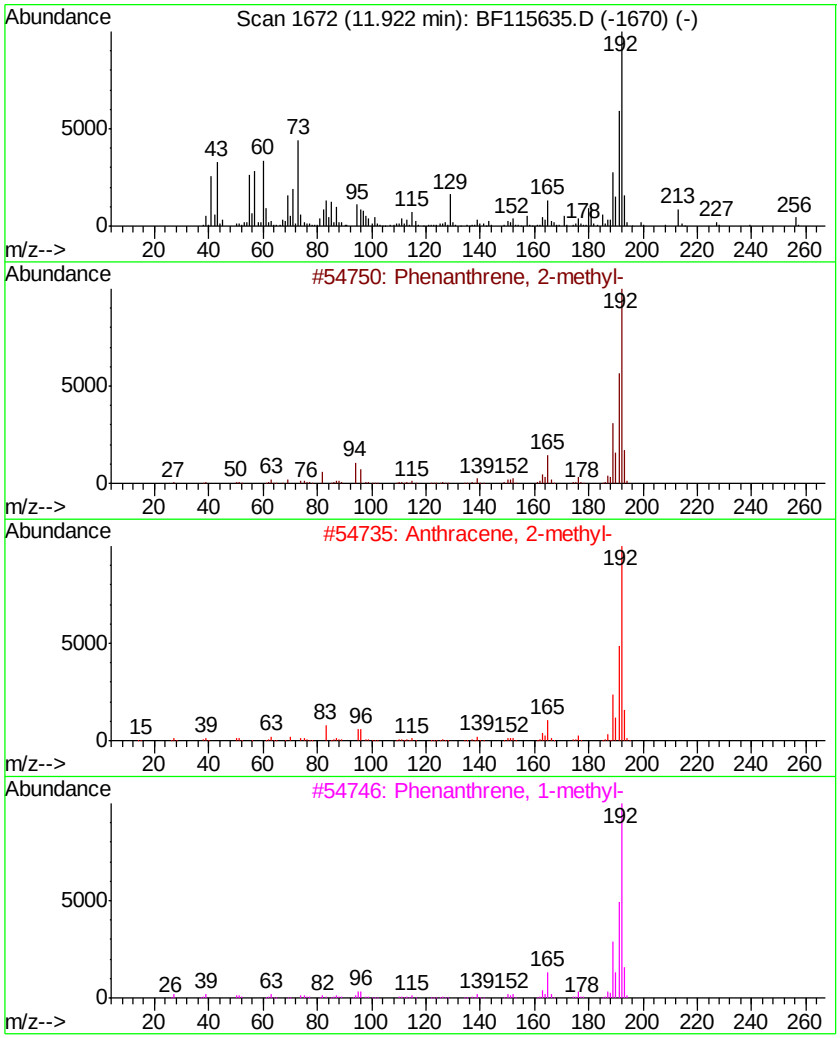
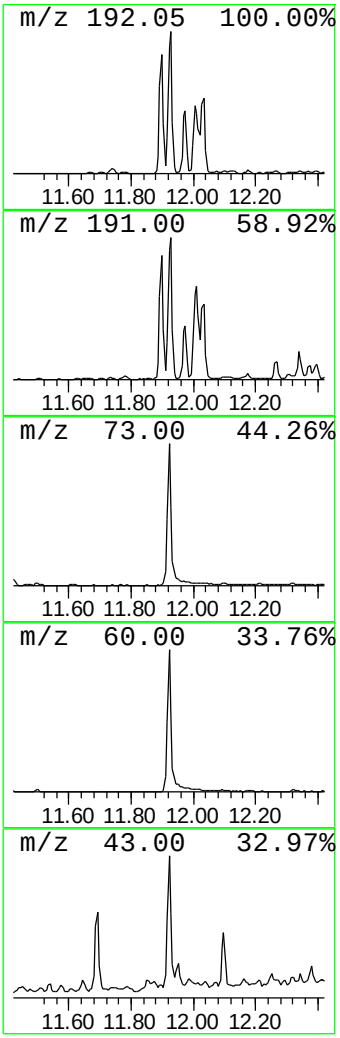
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	13.65 ng	883370	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





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Instrument : BNA_F
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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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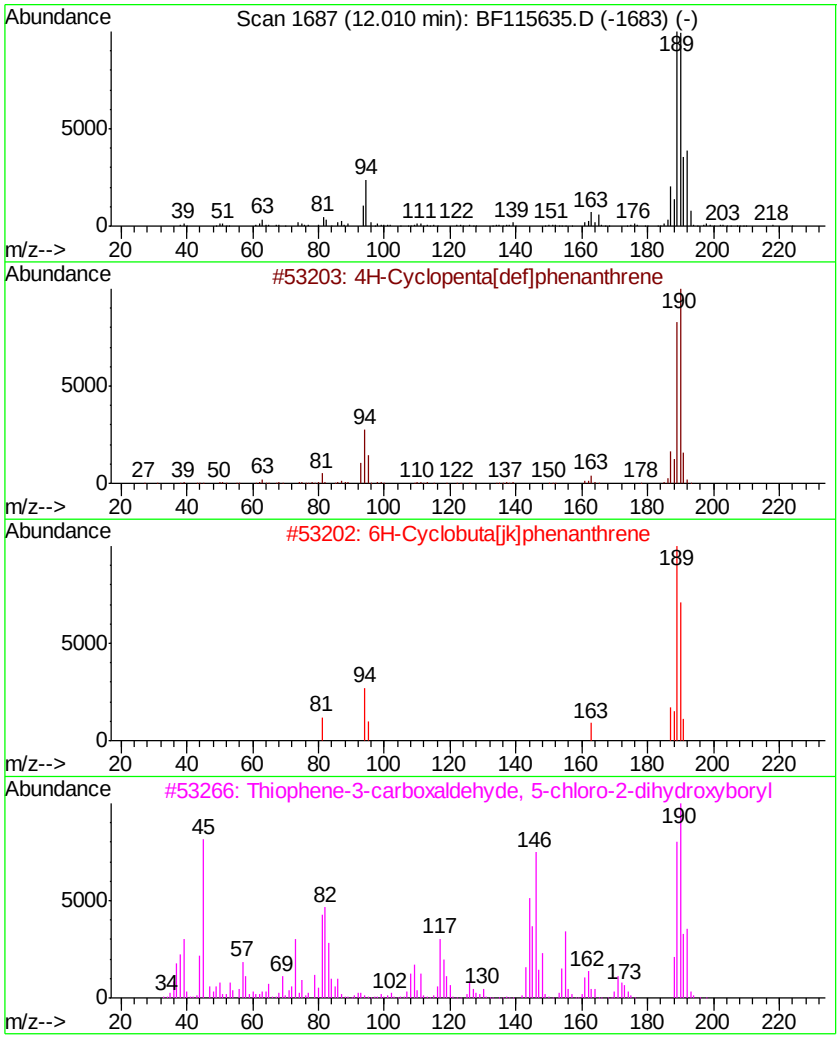
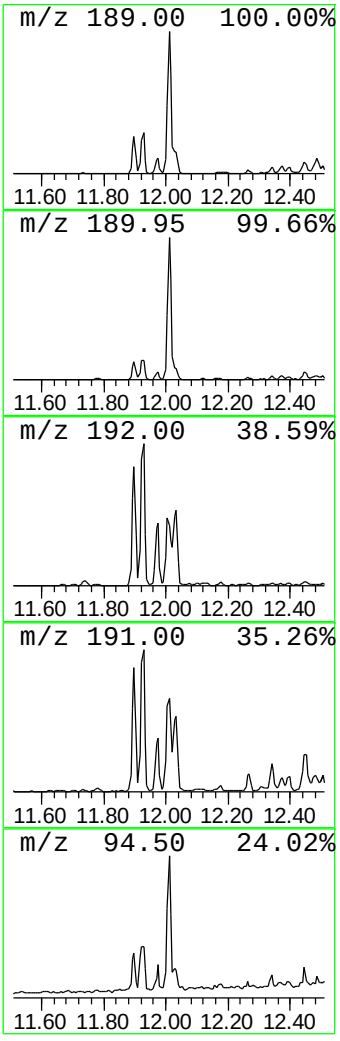
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	9.54 ng	617437	Phenanthrene-d10	11.40

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	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28





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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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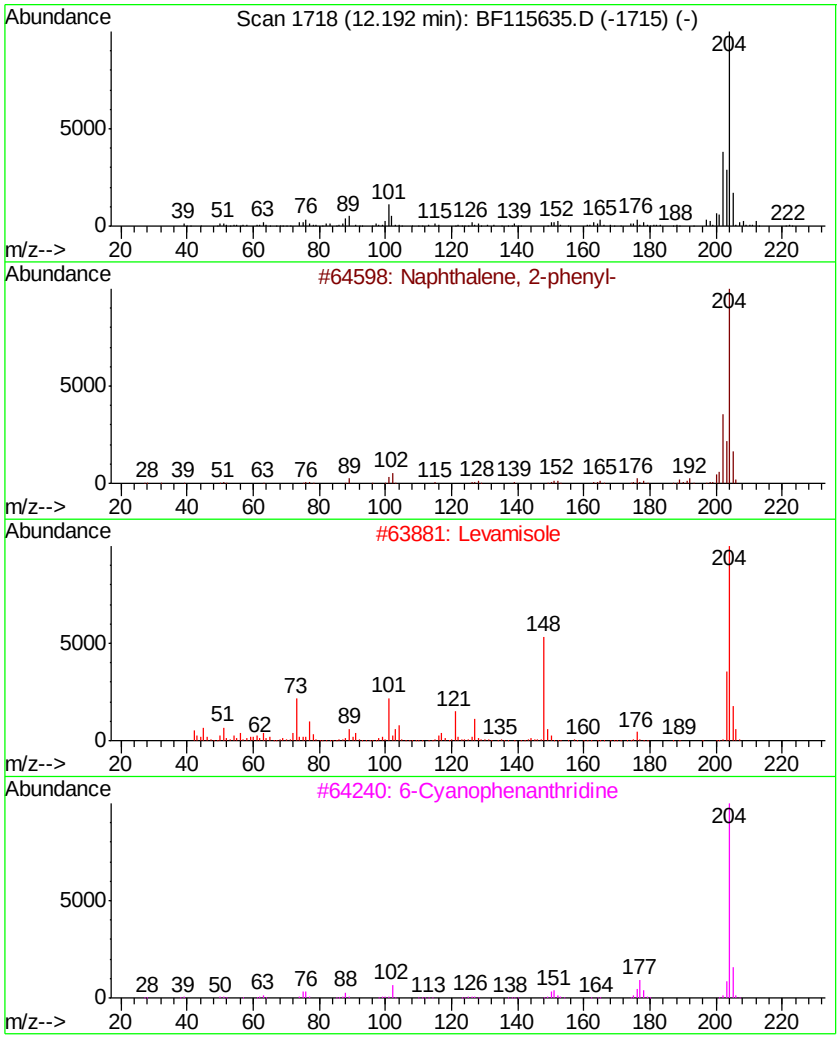
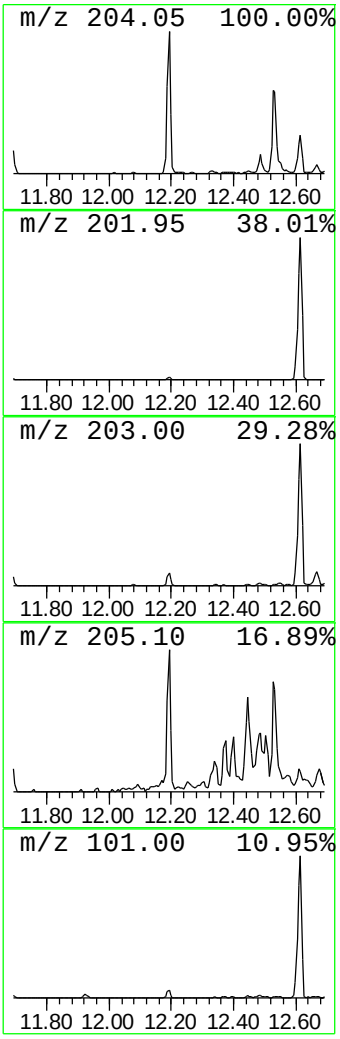
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	3.98 ng	257671	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Levamisole	204	C11H12N2S	014769-73-4	53
3	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53





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Sample : K3852-02
Misc :
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Instrument : BNA_F
ClientSampleId : COMP-2_071619

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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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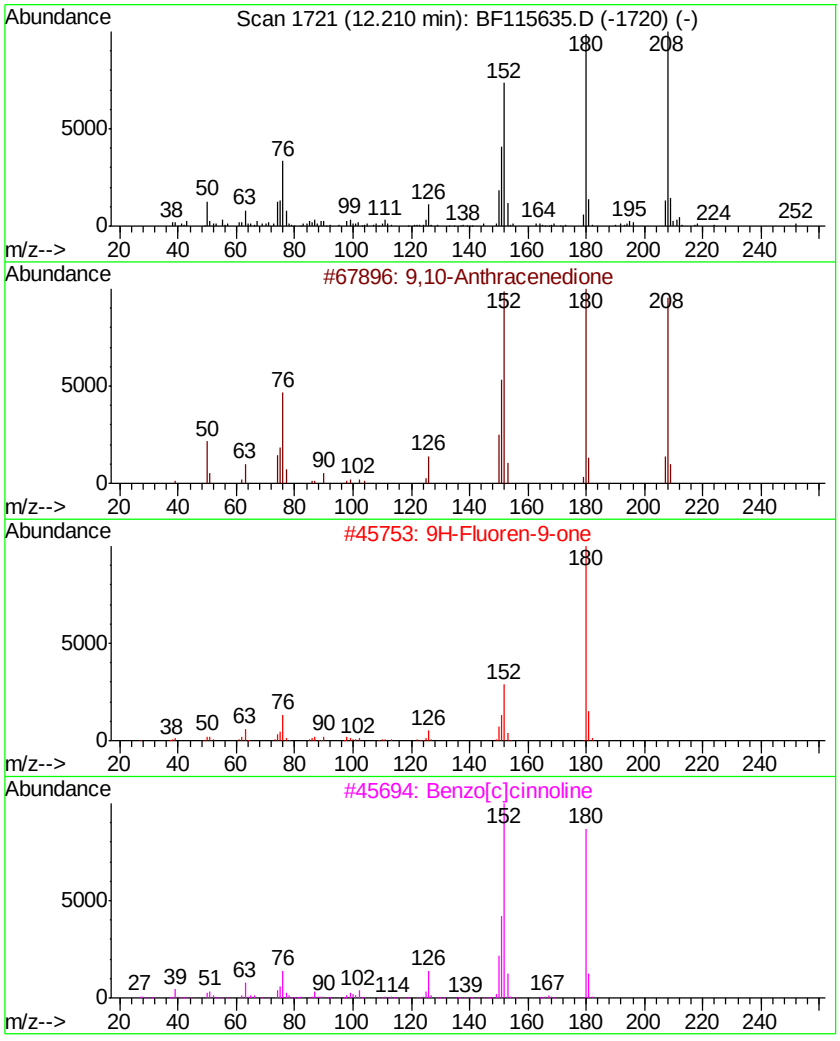
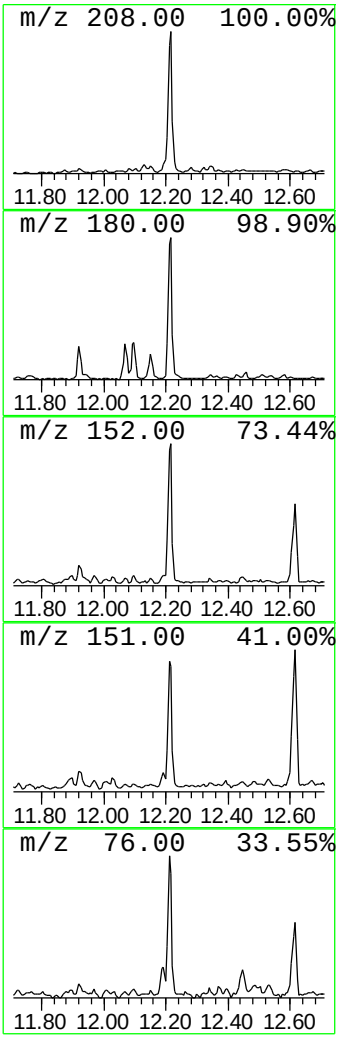
Peak Number 13 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	3.43 ng	221948	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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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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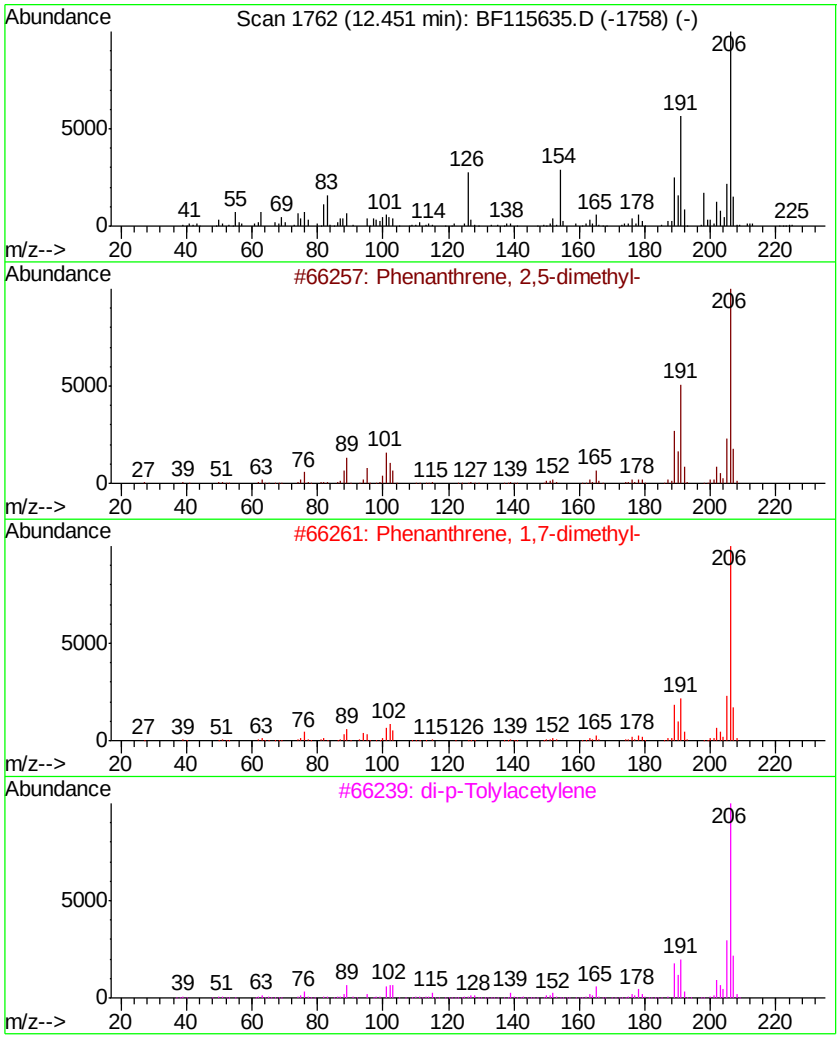
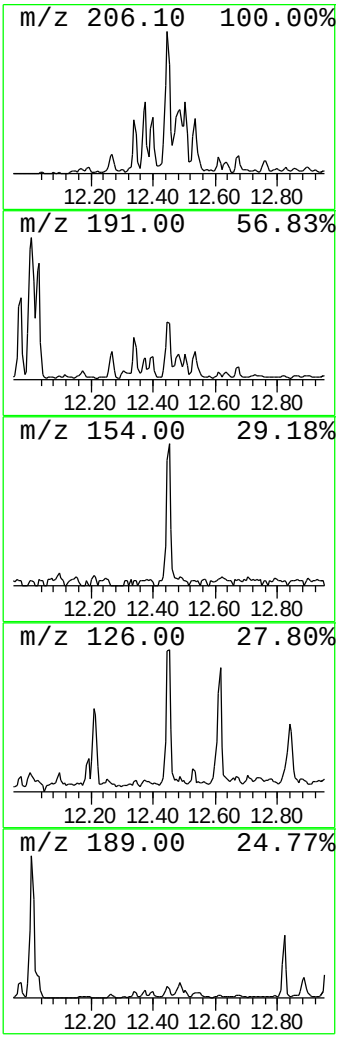
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.57 ng	230694	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	78





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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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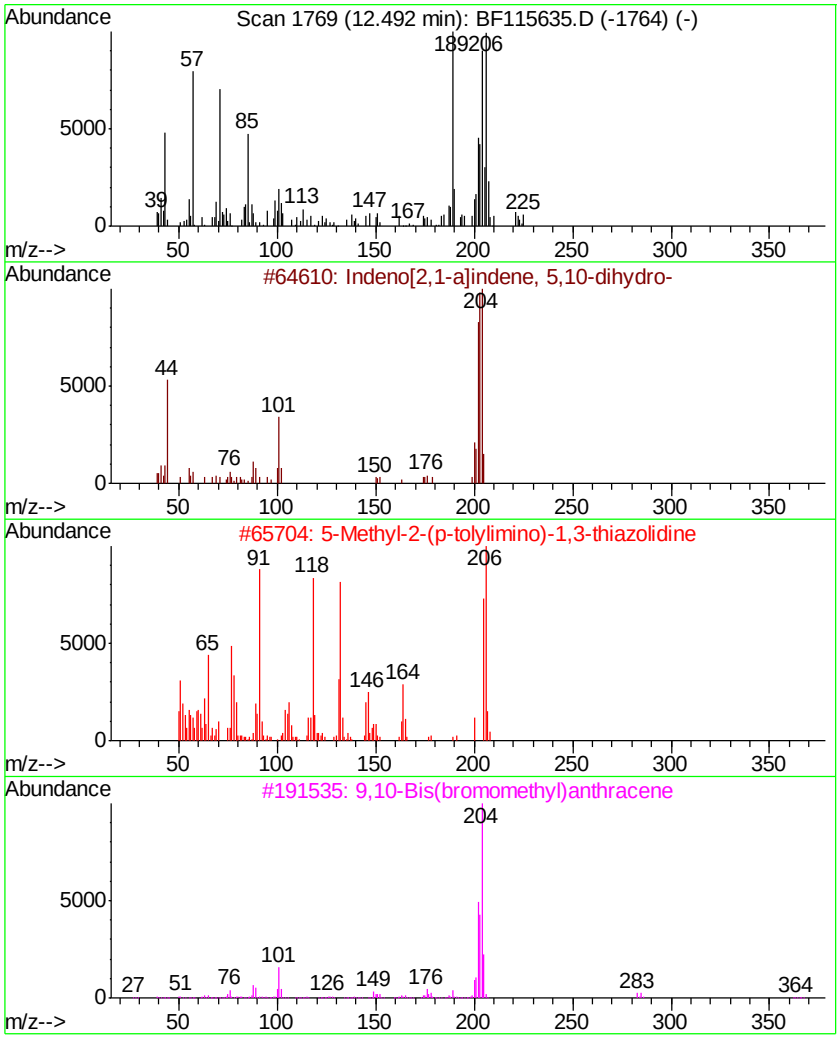
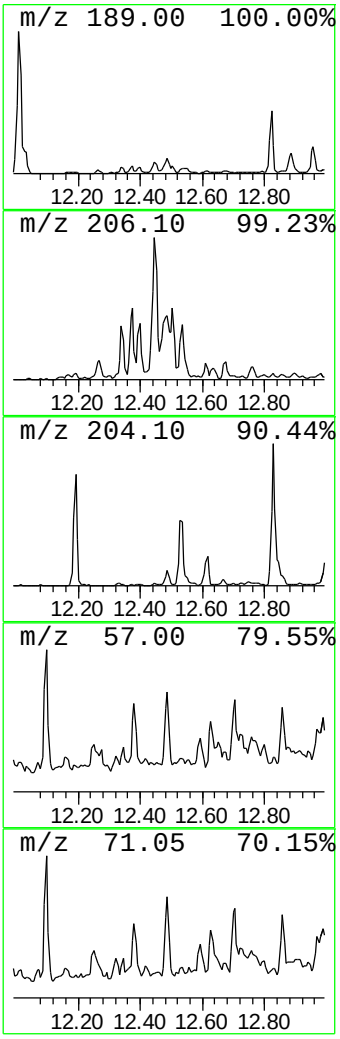
Peak Number 15 unknown12.49 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	3.30 ng	213702	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
2	5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	25
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	25
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	25
5	Tetramisole	204	C11H12N2S	005036-02-2	18





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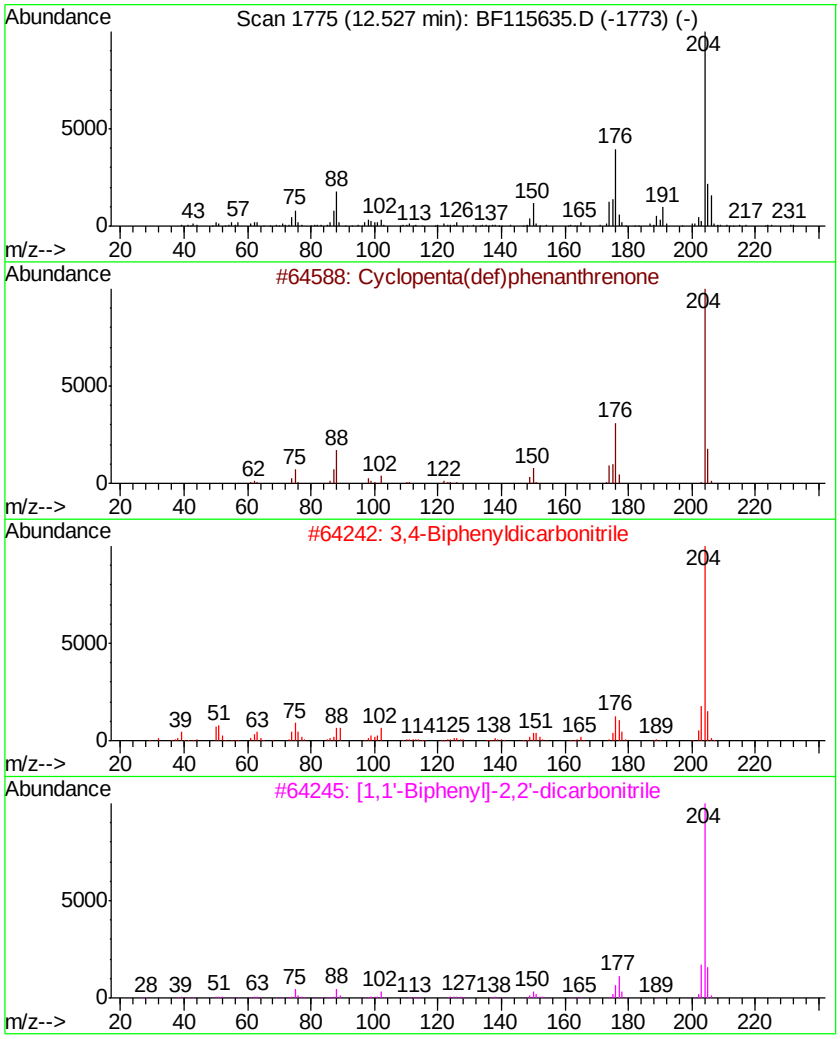
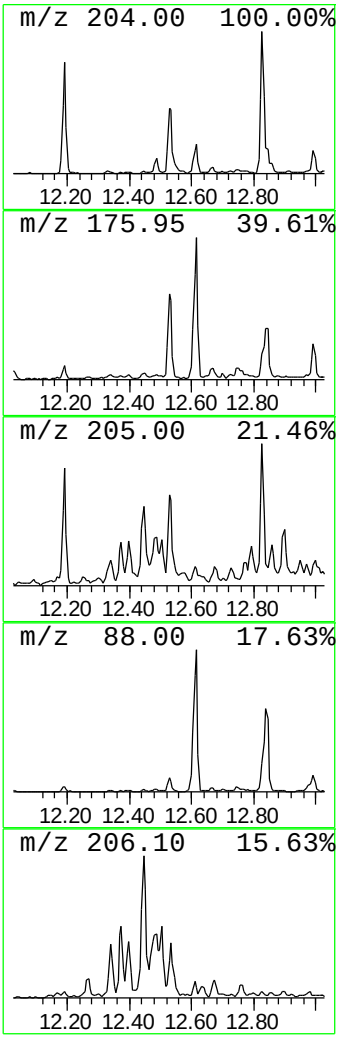
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.44 ng	222902	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46





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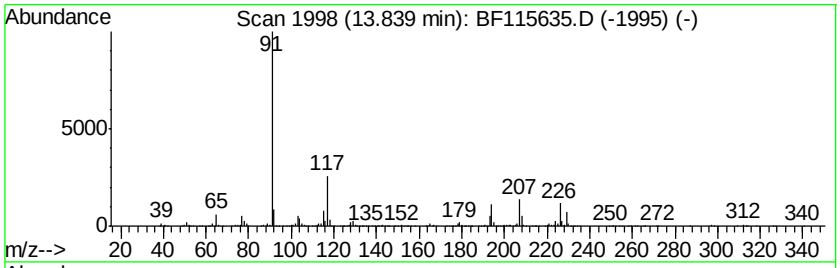
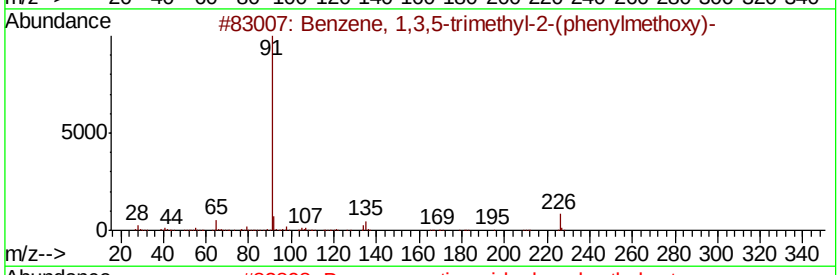
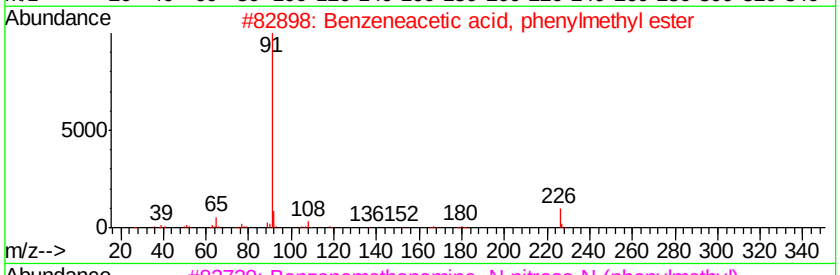
Peak Number 17 unknown13.84 Concentration Rank 8

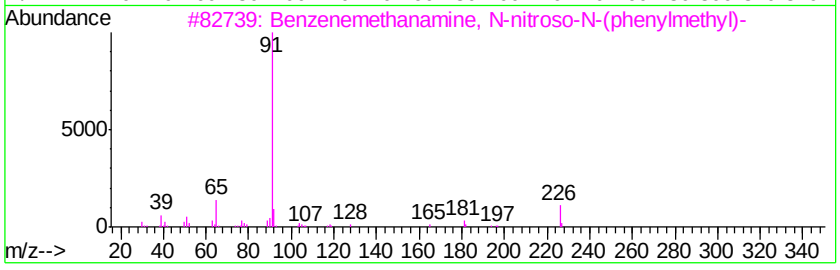
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	7.50 ng	1356960	Chrysene-d12	14.04

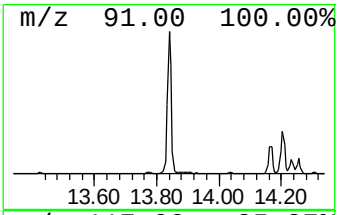
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(phen...	226	C16H18O	019578-76-8	25
2	Benzeneacetic acid, phenylmethyl...	226	C15H14O2	000102-16-9	22
3	Benzenemethanamine, N-nitroso-N-...	226	C14H14N2O	005336-53-8	12
4	4-Imidazolidinone, 5-(phenylmeth...	206	C10H10N2OS	006330-09-2	12
5	Isoxazole, 5-chloro-4-(2-phenyle...	207	C11H10ClNO	1000362-09-0	12

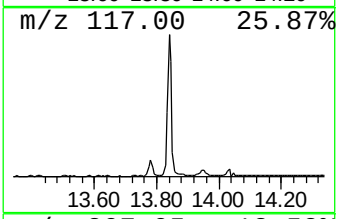


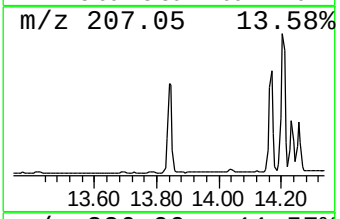


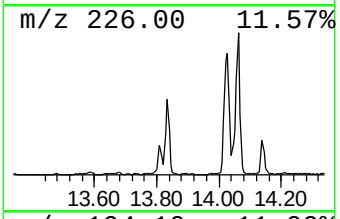


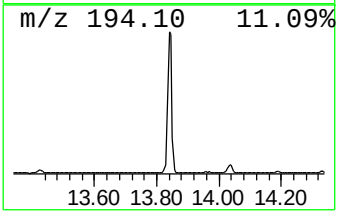












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071719\
Data File : BF115635.D
Acq On : 17 Jul 2019 21:12
Operator : HP/JU
Sample : K3852-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-2_071619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

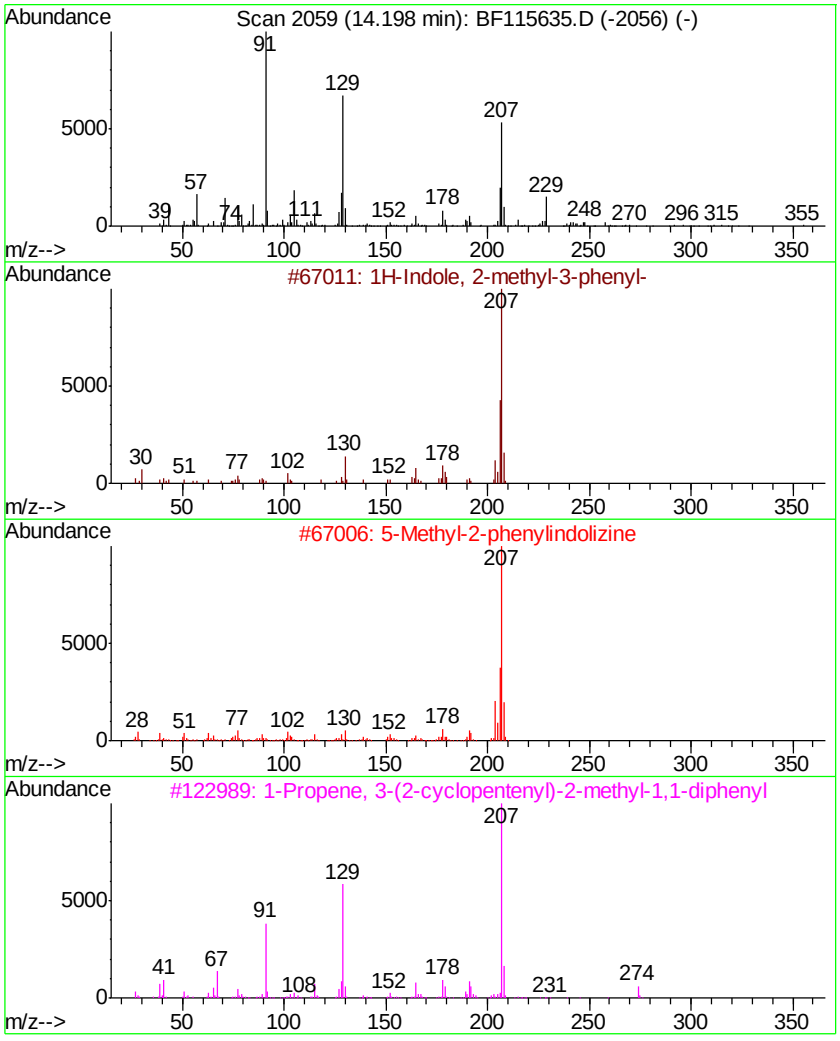
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

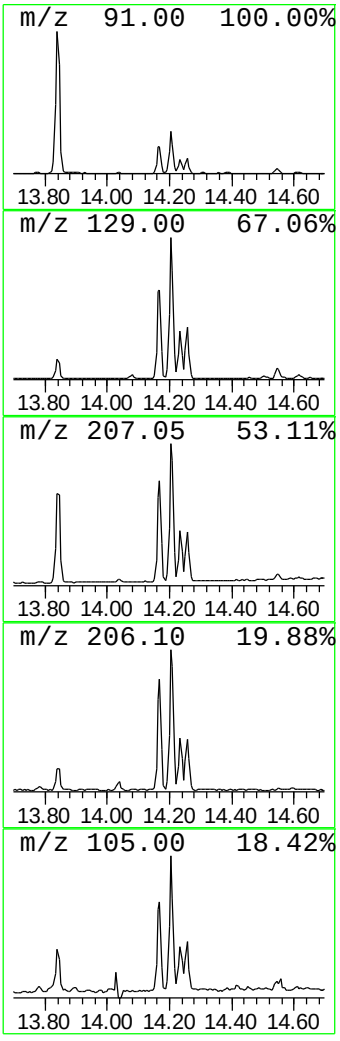
****

Peak Number 18 1H-Indole, 2-methyl-3-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	4.52 ng	818487	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	50
2	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	45
3	1-Propene, 3-(2-cyclopentenyl)-2...	274	C21H22	1000154-23-3	40
4	Methadone N-oxide	325	C21H27NO2	1000120-80-7	40
5	Cyclopentene-1-carboxylic acid, ...	332	C23H24O2	1000159-40-6	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071719\
Data File : BF115635.D
Acq On : 17 Jul 2019 21:12
Operator : HP/JU
Sample : K3852-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-2_071619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

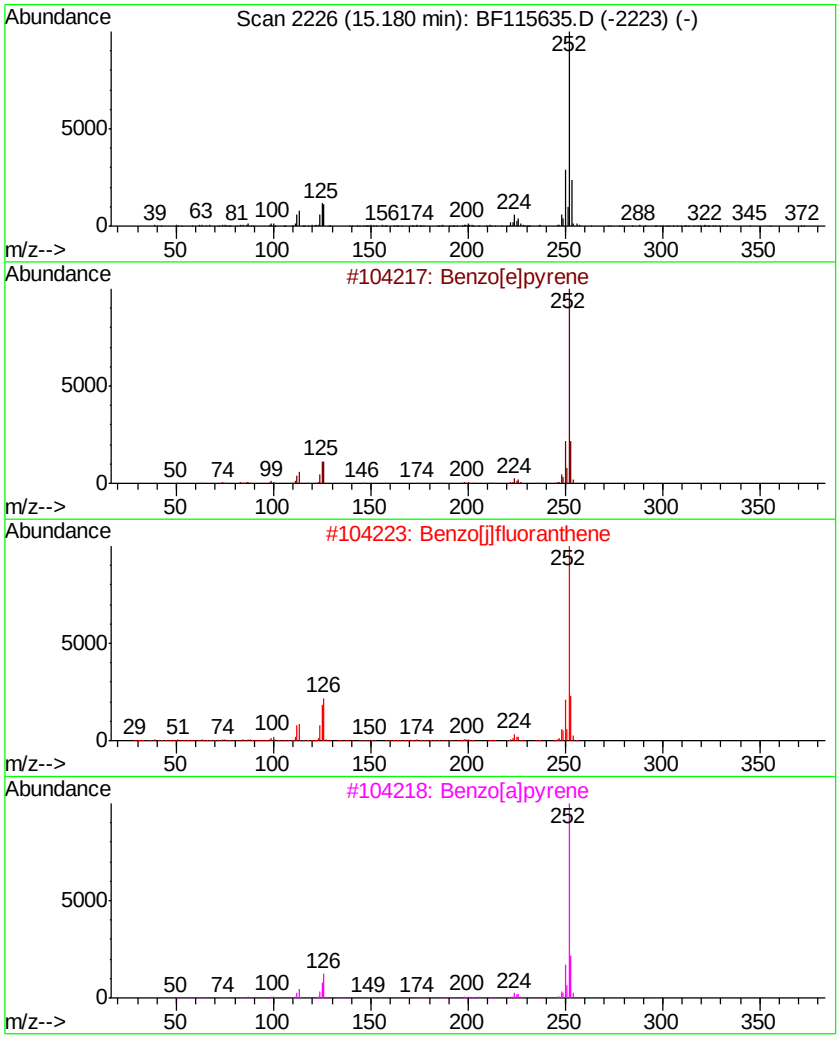
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

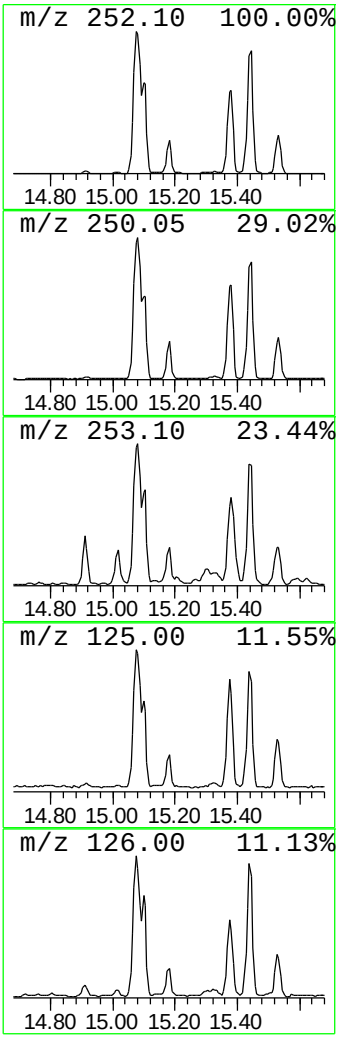
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	6.03 ng	299023	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071719\
Data File : BF115635.D
Acq On : 17 Jul 2019 21:12
Operator : HP/JU
Sample : K3852-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-2_071619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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
Butane, 2-methoxy...	2.21	37.2	ng	2253690	1	6.88	1211240	20.0
Bicyclo[4.2.0]oct...	5.73	30.2	ng	1829520	1	6.88	1211240	20.0
unknown6.66	6.66	66.8	ng	4046070	1	6.88	1211240	20.0
unknown11.03	11.03	3.7	ng	238836	4	11.40	1294090	20.0
Benzene, 1,1'-(1,...	11.17	4.0	ng	256408	4	11.40	1294090	20.0
Naphtho[2,1-b]thi...	11.29	3.8	ng	244657	4	11.40	1294090	20.0
unknown11.69	11.69	3.4	ng	220879	4	11.40	1294090	20.0
Anthracene, 2-met...	11.90	5.6	ng	362899	4	11.40	1294090	20.0
Phenanthrene, 2-m...	11.92	13.7	ng	883370	4	11.40	1294090	20.0
4H-Cyclopenta[def...	12.01	9.5	ng	617437	4	11.40	1294090	20.0
Naphthalene, 2-ph...	12.19	4.0	ng	257671	4	11.40	1294090	20.0
9,10-Anthracenedione	12.21	3.4	ng	221948	4	11.40	1294090	20.0
Phenanthrene, 2,5...	12.45	3.6	ng	230694	4	11.40	1294090	20.0
unknown12.49	12.49	3.3	ng	213702	4	11.40	1294090	20.0
Cyclopenta(def)ph...	12.53	3.4	ng	222902	4	11.40	1294090	20.0
unknown13.84	13.84	7.5	ng	1356960	5	14.04	3619520	20.0
1H-Indole, 2-meth...	14.20	4.5	ng	818487	5	14.04	3619520	20.0
Benzo[e]pyrene	15.18	6.0	ng	299023	6	15.50	991159	20.0