LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
Data File : BF115616.D
Acq On : 16 Jul 2019 23:44
Operator : HP/JU
Sample : K3740-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-23

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	2.134	3	8	14	rVB	570556	789303	26.28%	1.966%
2	5.504	577	581	593	rVB	1731943	1578884	52.58%	3.933%
3	6.510	748	752	768	rVB	1945321	1727457	57.52%	4.303%
4	6.651	772	776	780	rBV	1867551	1732593	57.70%	4.316%
5	6.887	812	816	819	rBV	1230489	968445	32.25%	2.412%
6	7.045	839	843	846	rBV	1585527	1425910	47.48%	3.552%
7	7.439	903	910	913	rBV	1199350	1006955	33.53%	2.508%
8	8.169	1029	1034	1036	rBV	1458326	1205528	40.14%	3.003%
9	8.186	1036	1037	1041	rVB	127411	95190	3.17%	0.237%
10	8.881	1153	1155	1159	rVB	63953	48084	1.60%	0.120%
11	8.981	1169	1172	1176	rVB	53203	44153	1.47%	0.110%
12	9.239	1213	1216	1220	rBV	2204121	1999020	66.57%	4.980%
13	9.328	1228	1231	1238	rVB2	69535	89195	2.97%	0.222%
14	9.504	1259	1261	1265	rBV2	28005	39560	1.32%	0.099%
15	9.580	1271	1274	1277	rBV	51481	44459	1.48%	0.111%
16	9.633	1280	1283	1288	rVV	412918	372642	12.41%	0.928%
17	9.698	1292	1294	1300	rVB	35093	38221	1.27%	0.095%
18	9.786	1306	1309	1313	rBV	76254	86958	2.90%	0.217%
19	9.922	1329	1332	1335	rBV	1166387	1082544	36.05%	2.697%
20	9.957	1335	1338	1341	rVB	336499	262546	8.74%	0.654%
21	10.080	1355	1359	1362	rBV3	32708	41870	1.39%	0.104%
22	10.128	1363	1367	1371	rVV	140442	134324	4.47%	0.335%
23	10.169	1371	1374	1380	rVB3	26420	35015	1.17%	0.087%
24	10.239	1383	1386	1389	rBV	35146	36179	1.20%	0.090%
25	10.333	1399	1402	1404	rBV3	29644	38178	1.27%	0.095%
26	10.469	1422	1425	1431	rBV	257114	232541	7.74%	0.579%
27	10.539	1432	1437	1438	rBV	40833	50634	1.69%	0.126%
28	10.627	1450	1452	1456	rVB	65759	56747	1.89%	0.141%
29	10.710	1462	1466	1471	rBV	846112	785516	26.16%	1.957%
30	10.845	1483	1489	1494	rVB3	106350	172863	5.76%	0.431%
31	10.892	1494	1497	1499	rBV	40637	46963	1.56%	0.117%
32	11.022	1516	1519	1521	rVB2	48519	46444	1.55%	0.116%
33	11.045	1521	1523	1526	rBV3	38017	32218	1.07%	0.080%
34	11.104	1531	1533	1536	rVB2	38533	35434	1.18%	0.088%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3740-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-23

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	11.216	1549	1552	1555	rVB	53363	54206	1.81%	0.135%
36	11.274	1557	1562	1565	rVV5	62585	113916	3.79%	0.284%
37	11.304	1565	1567	1573	rVB2	143194	154501	5.14%	0.385%
38	11.410	1581	1585	1587	rBV	1214747	1125823	37.49%	2.805%
39	11.433	1587	1589	1593	rVV	1867999	1703200	56.72%	4.243%
40	11.486	1595	1598	1601	rVV	622431	511938	17.05%	1.275%
41	11.516	1601	1603	1607	rVV2	67695	74090	2.47%	0.185%
42	11.633	1619	1623	1626	rBV2	190593	211434	7.04%	0.527%
43	11.704	1632	1635	1638	rVB3	87877	71195	2.37%	0.177%
44	11.739	1639	1641	1644	rBV3	39808	39111	1.30%	0.097%
45	11.910	1667	1670	1672	rBV	212502	185985	6.19%	0.463%
46	11.939	1672	1675	1678	rVB	396995	373906	12.45%	0.931%
47	11.986	1680	1683	1686	rVB	130477	103282	3.44%	0.257%
48	12.027	1686	1690	1692	rBV2	451872	489364	16.30%	1.219%
49	12.110	1702	1704	1707	rVB2	71106	55746	1.86%	0.139%
50	12.204	1717	1720	1722	rBV	194596	158653	5.28%	0.395%
51	12.227	1722	1724	1729	rVB2	125528	109662	3.65%	0.273%
52	12.357	1744	1746	1749	rVB	80929	58112	1.94%	0.145%
53	12.386	1749	1751	1753	rBV2	67200	56002	1.86%	0.140%
54	12.463	1761	1764	1767	rBV	142233	151623	5.05%	0.378%
55	12.498	1767	1770	1776	rVB3	128704	194468	6.48%	0.484%
56	12.545	1776	1778	1783	rBV2	110753	124030	4.13%	0.309%
57	12.627	1788	1792	1795	rBV	2967751	2679804	89.24%	6.676%
58	12.669	1795	1799	1801	rVV	118636	118455	3.94%	0.295%
59	12.716	1805	1807	1810	rBV	88345	88718	2.95%	0.221%
60	12.774	1815	1817	1821	rVV	82737	94781	3.16%	0.236%
61	12.857	1825	1831	1836	rBV	2493726	3003016	100.00%	7.481%
62	12.904	1836	1839	1844	rVB2	113897	150103	5.00%	0.374%
63	12.992	1851	1854	1862	rVB	1939042	1878255	62.55%	4.679%
64	13.074	1863	1868	1871	rBV2	168444	294159	9.80%	0.733%
65	13.133	1876	1878	1880	rVV3	93950	94993	3.16%	0.237%
66	13.157	1880	1882	1883	rVV	145466	128759	4.29%	0.321%
67	13.180	1883	1886	1889	rVB	514505	488352	16.26%	1.217%
68	13.245	1895	1897	1900	rVB	384704	321661	10.71%	0.801%
69	13.286	1900	1904	1906	rVV2	271901	277363	9.24%	0.691%
70	13.310	1906	1908	1911	rVB	118233	100225	3.34%	0.250%
71	13.380	1917	1920	1922	rVB	121717	105765	3.52%	0.263%

LSC Area Percent Report

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Acq On : 16 Jul 2019 23:44
Operator : HP/JU
Sample : K3740-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-23

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

72	13.410	1922	1925	1928	rBV2	142418	157896	5.26%	0.393%
73	13.474	1933	1936	1943	rVB3	250458	291843	9.72%	0.727%
74	13.686	1970	1972	1977	rVB	147339	146455	4.88%	0.365%
75	13.827	1994	1996	1998	rVB	205885	140971	4.69%	0.351%
76	13.857	1998	2001	2004	rBV2	158175	214635	7.15%	0.535%
77	14.045	2029	2033	2037	rBV3	1614378	2330133	77.59%	5.805%
78	14.080	2037	2039	2044	rVB	1291036	1037558	34.55%	2.585%
79	14.157	2050	2052	2055	rBV	245383	210086	7.00%	0.523%
80	15.104	2209	2213	2216	rBV	779521	1255381	41.80%	3.127%
81	15.410	2262	2265	2271	rVB	480873	625133	20.82%	1.557%
82	15.468	2272	2275	2282	rBV	594567	797069	26.54%	1.986%
83	15.533	2283	2286	2289	rBV	502960	608813	20.27%	1.517%

Sum of corrected areas: 40143202

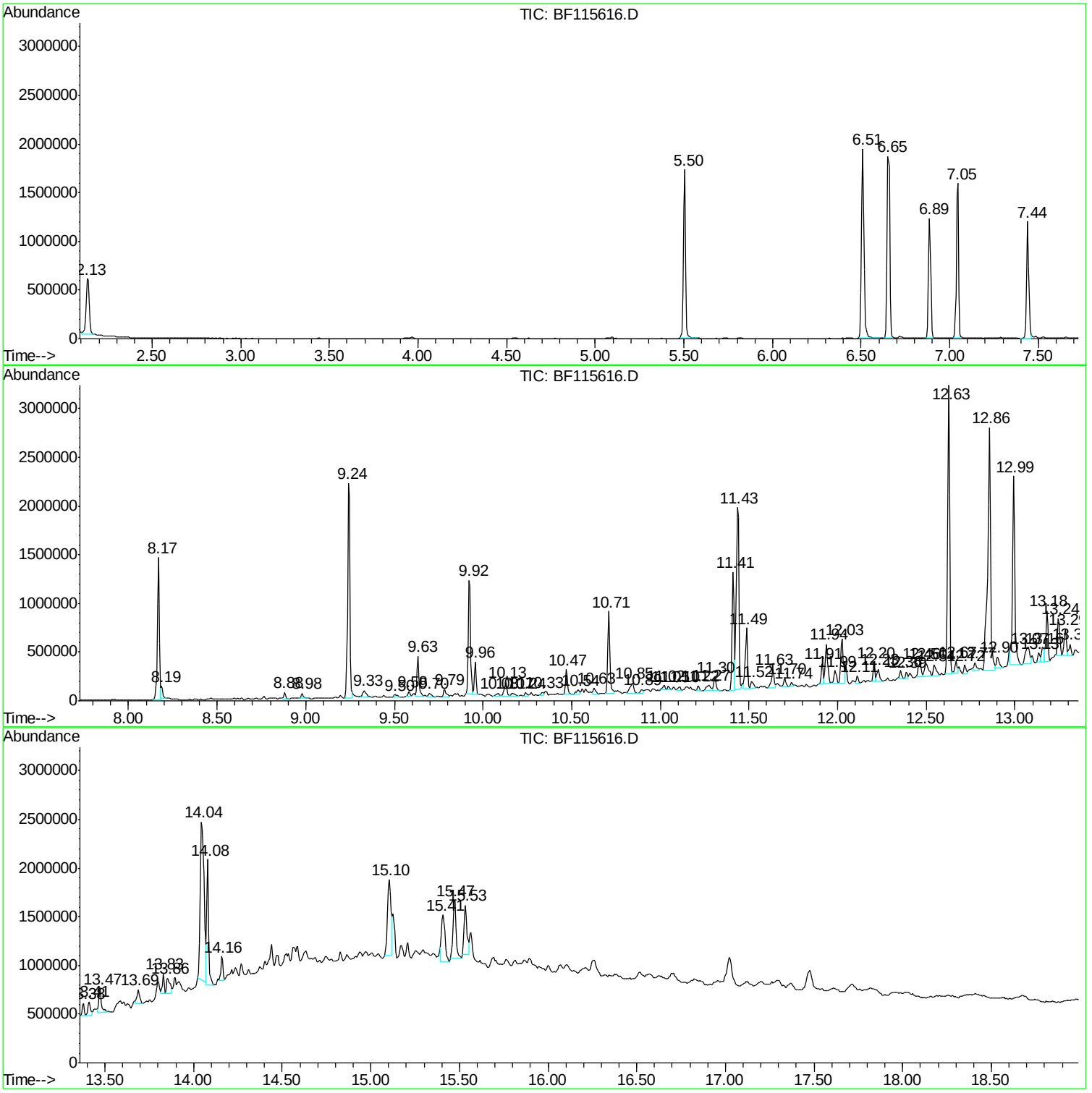
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
Data File : BF115616.D
Acq On : 16 Jul 2019 23:44
Operator : HP/JU
Sample : K3740-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-23

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\BF071619\
Data File : BF115616.D
Acq On : 16 Jul 2019 23:44
Operator : HP/JU
Sample : K3740-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-23

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

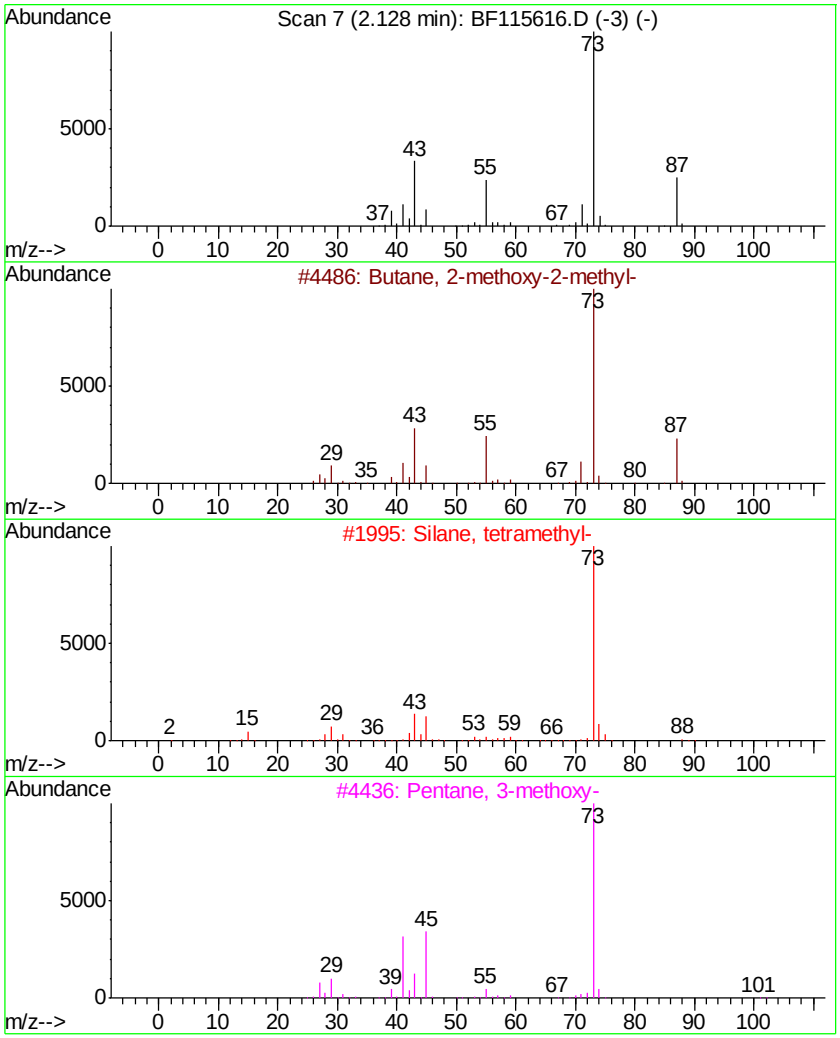
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

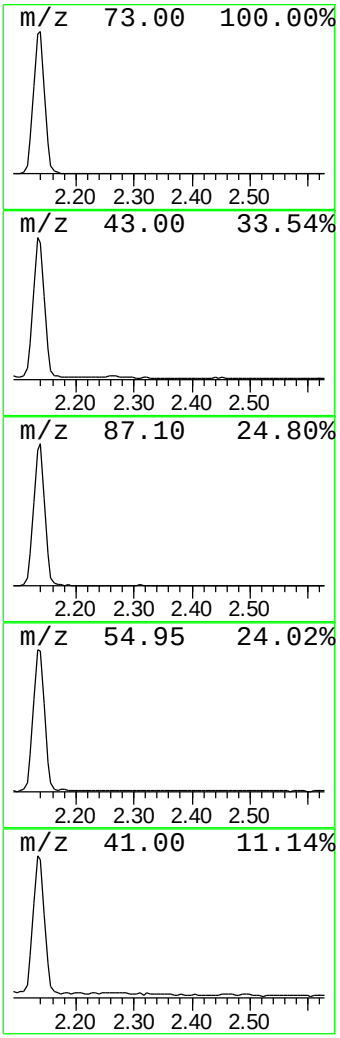
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	16.30 ng	789303	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	25
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
Data File : BF115616.D
Acq On : 16 Jul 2019 23:44
Operator : HP/JU
Sample : K3740-04 2X
Misc :
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Instrument : BNA_F
ClientSampleId : COMP-23

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

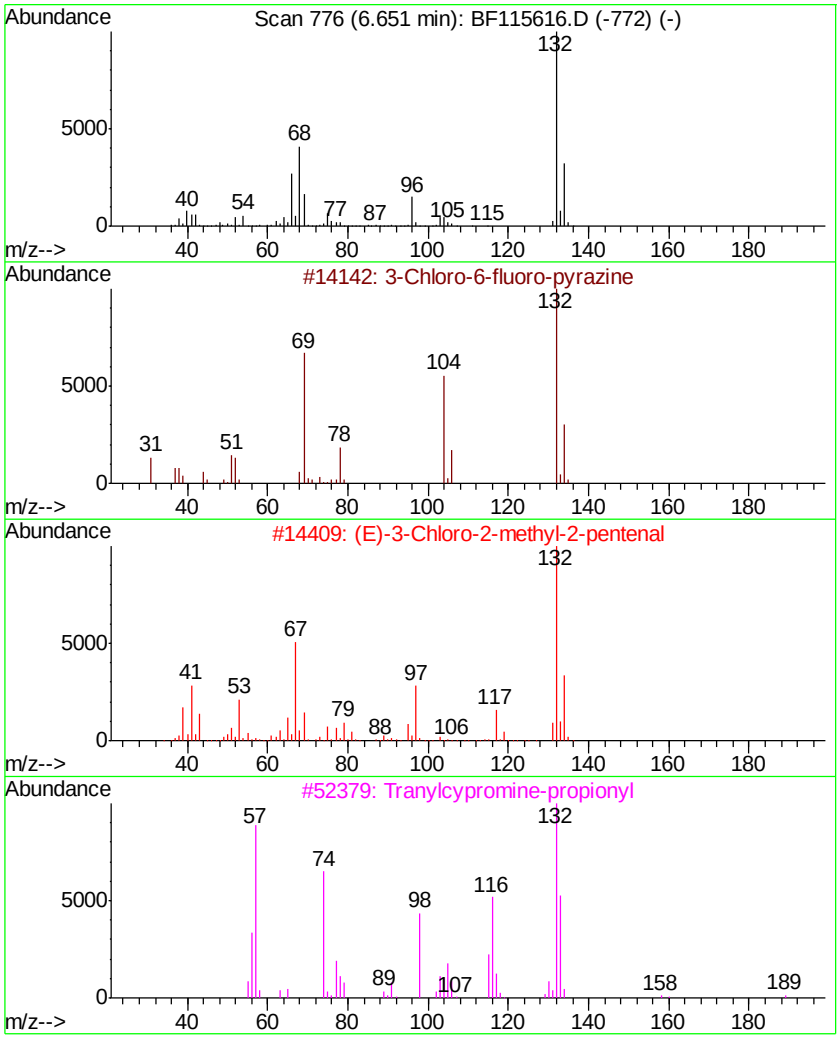
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

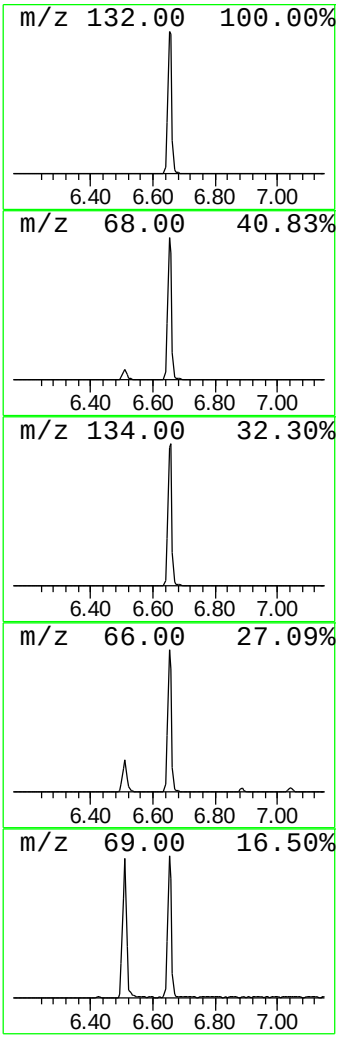
****

Peak Number 2 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	35.78 ng	1732590	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
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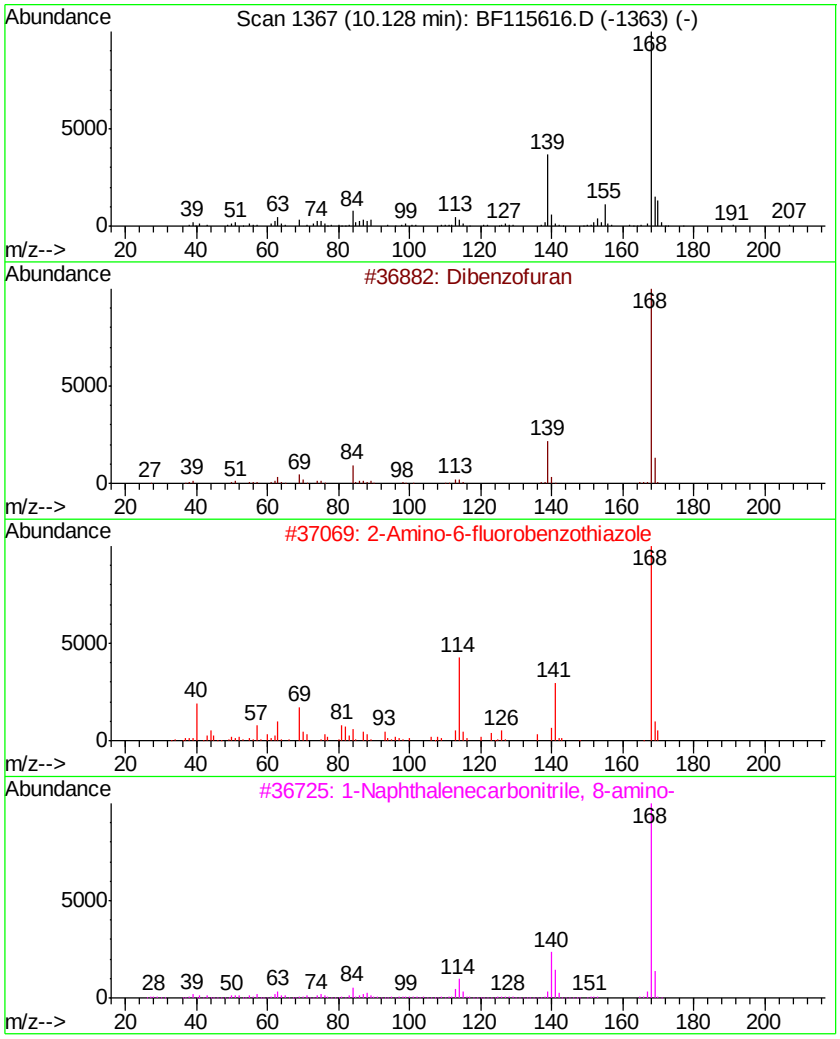
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

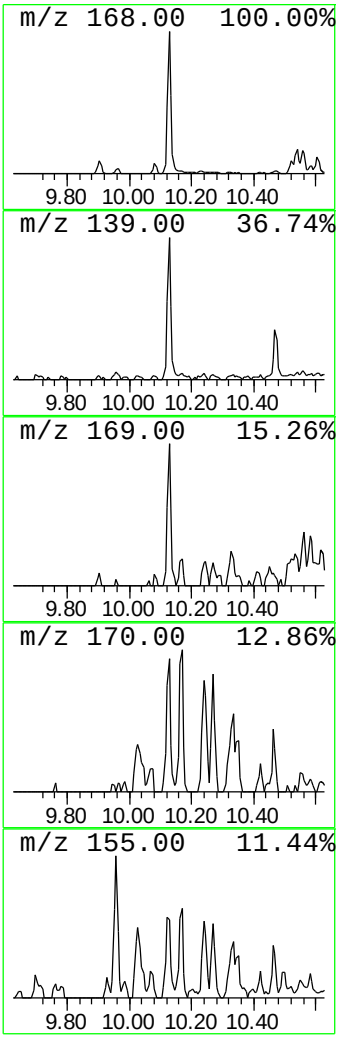
****

Peak Number 4 2-Amino-6-fluorobenzothiazole Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	2.48 ng	134324	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran	168	C12H8O	000132-64-9	72
2	2-Amino-6-fluorobenzothiazole	168	C7H5FN2S	000348-40-3	53
3	1-Naphthalenecarbonitrile, 8-amino-	168	C11H8N2	038515-13-8	52
4	Naphtho[2,1-d]imidazole	168	C11H8N2	000233-53-4	50
5	9H-Pyrido[3,4-b]indole	168	C11H8N2	000244-63-3	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-23

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

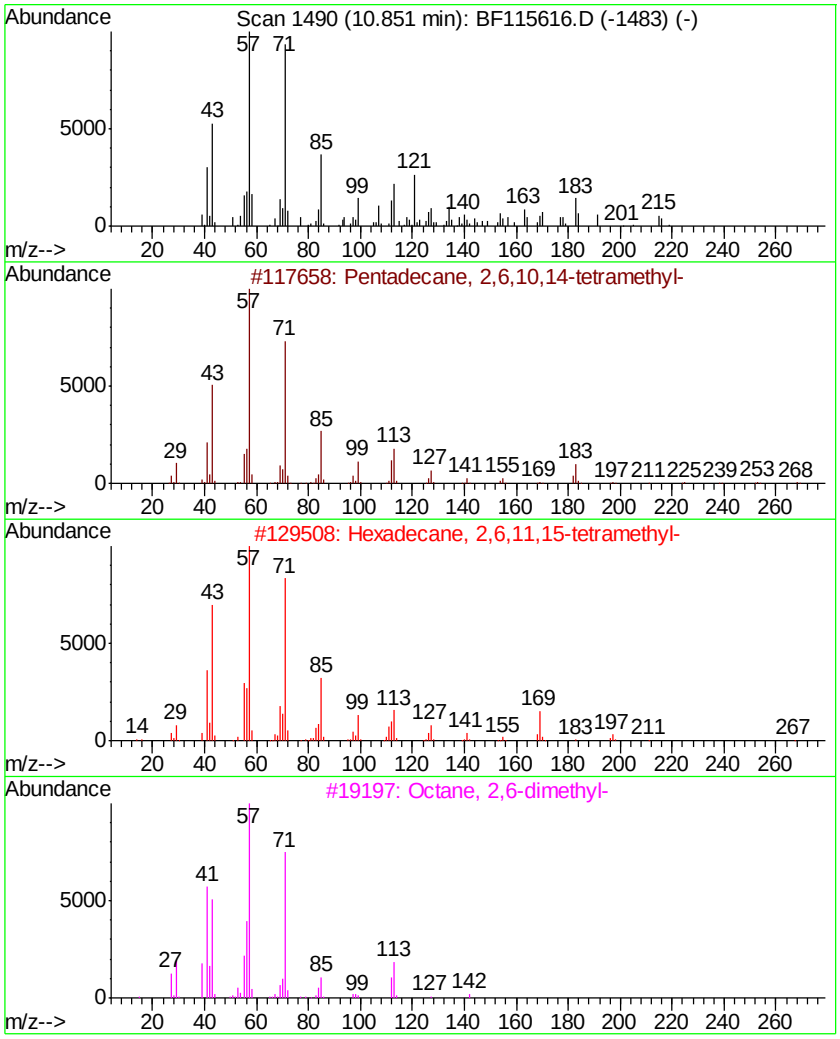
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

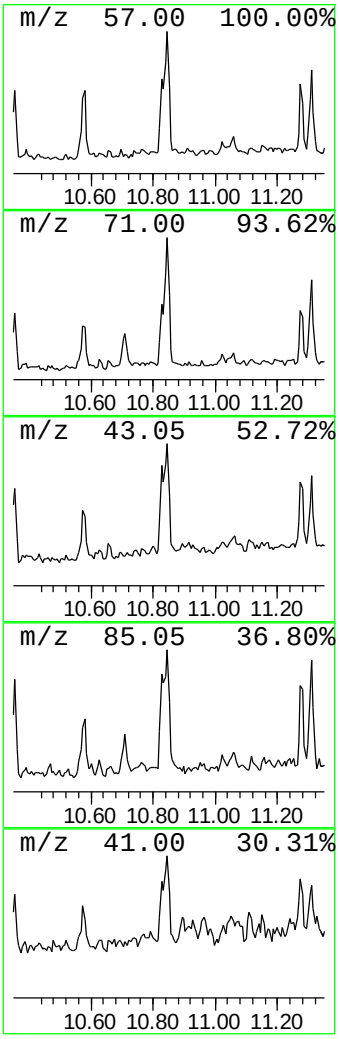
****

Peak Number 5 Pentadecane, 2,6,10,14-tetr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	3.07 ng	172863	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	68
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	62
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58
4	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	52
5	Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
Data File : BF115616.D
Acq On : 16 Jul 2019 23:44
Operator : HP/JU
Sample : K3740-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-23

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

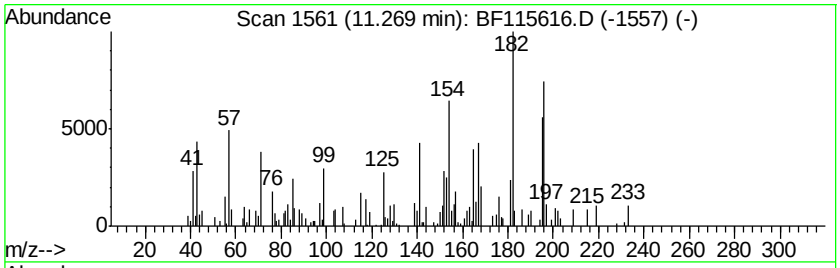
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

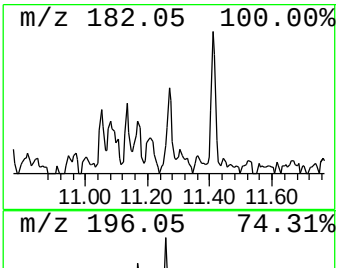
****

Peak Number 6 unknown11.27 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	2.02 ng	113916	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	42
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	38
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	30
4	Docosane	310	C22H46	000629-97-0	30
5	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
Data File : BF115616.D
Acq On : 16 Jul 2019 23:44
Operator : HP/JU
Sample : K3740-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-23

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

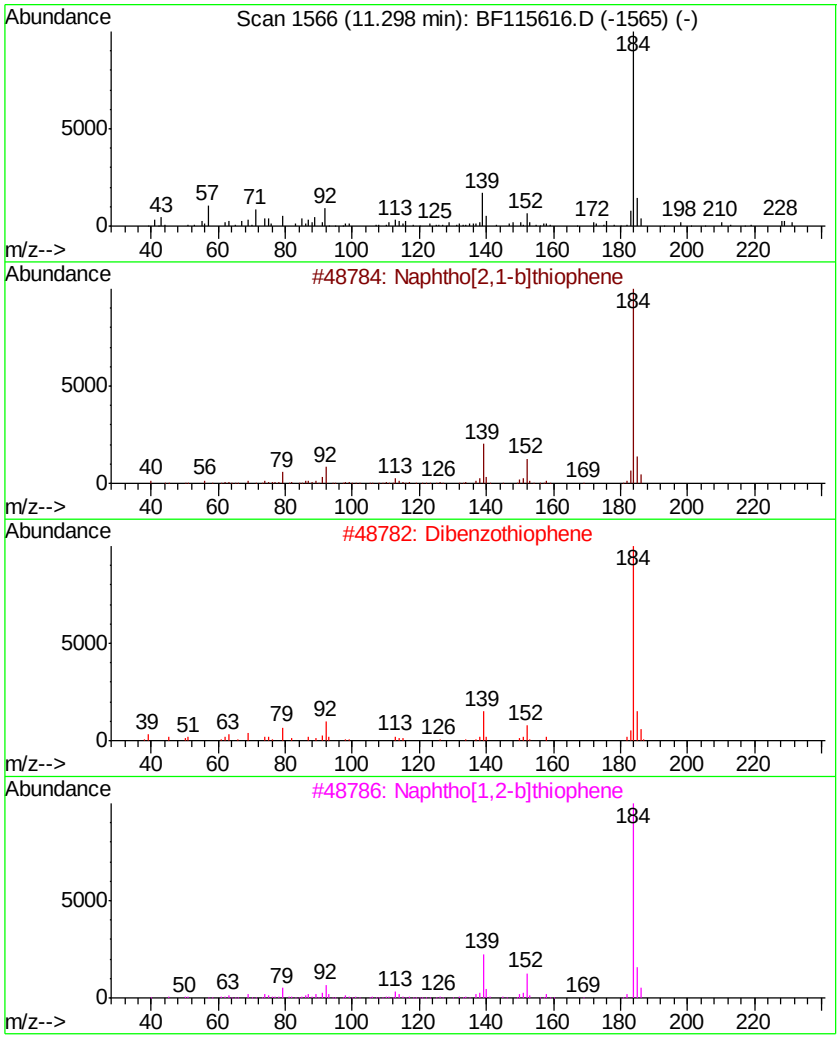
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

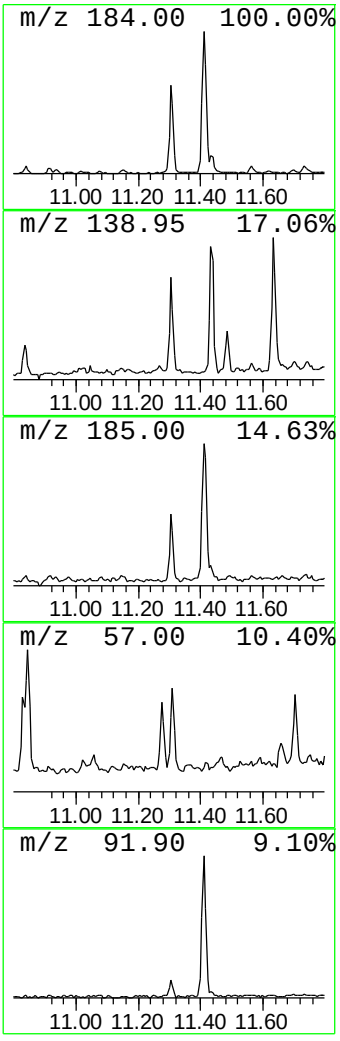
****

Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	2.74 ng	154501	Phenanthrene-d10	11.41

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[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	80





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Sample : K3740-04 2X
Misc :
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ClientSampleId : COMP-23

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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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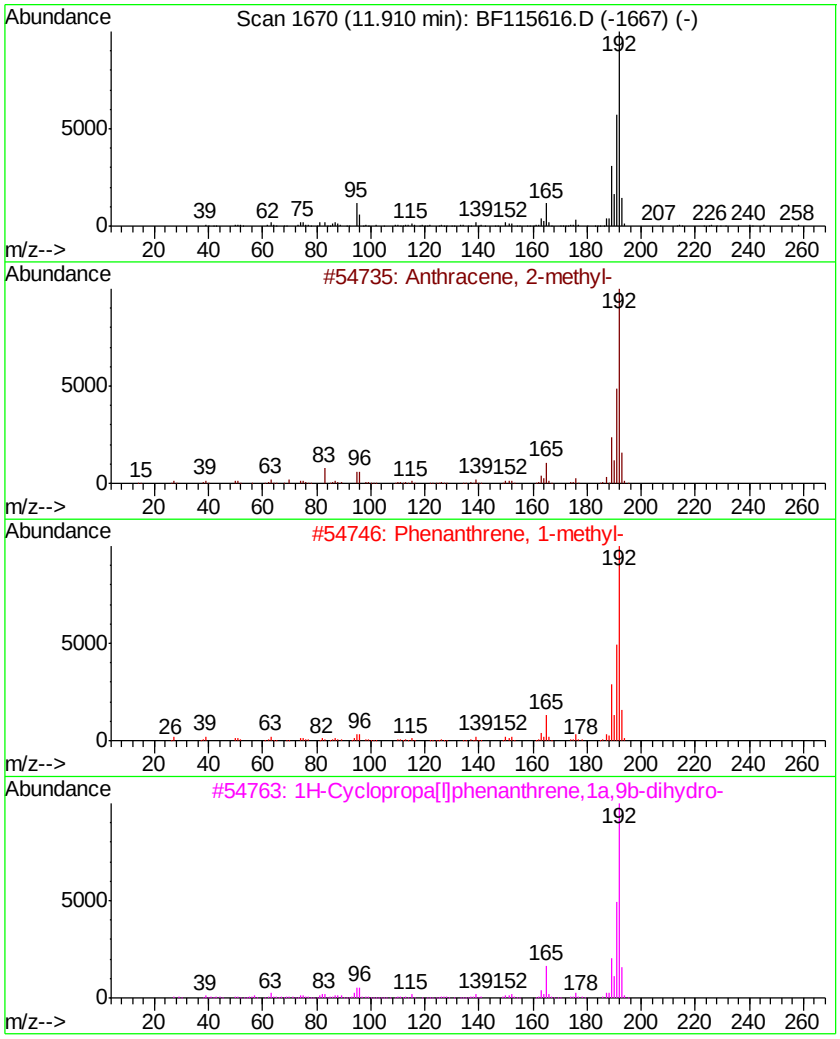
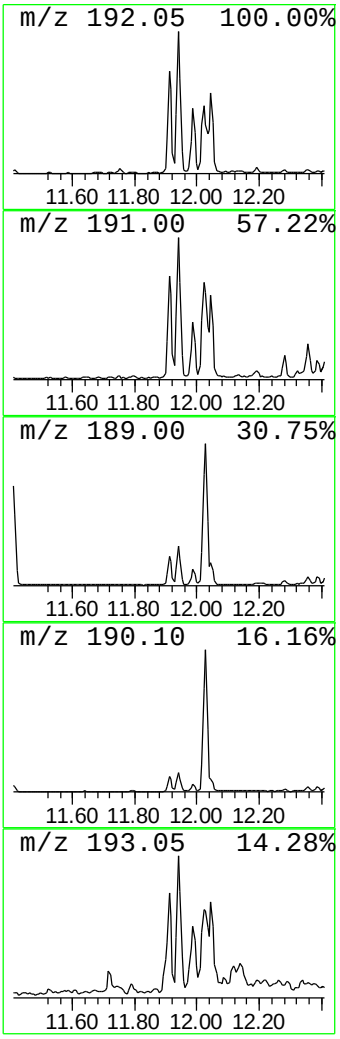
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	3.30 ng	185985	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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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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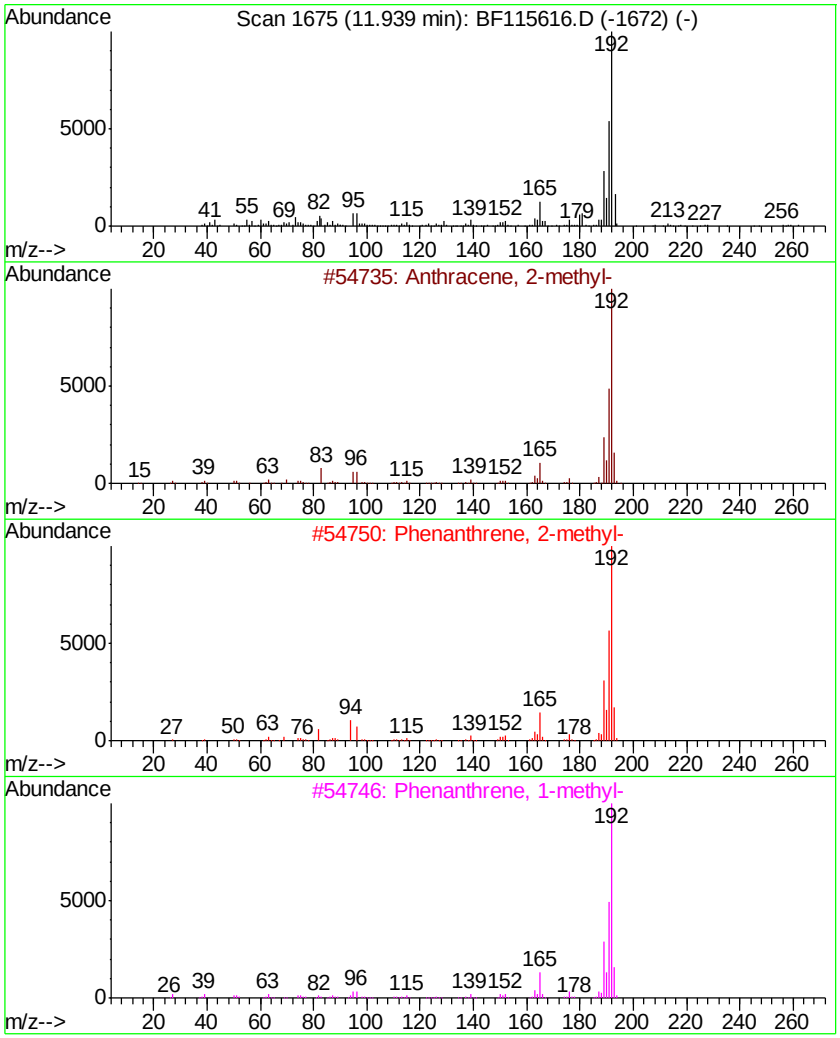
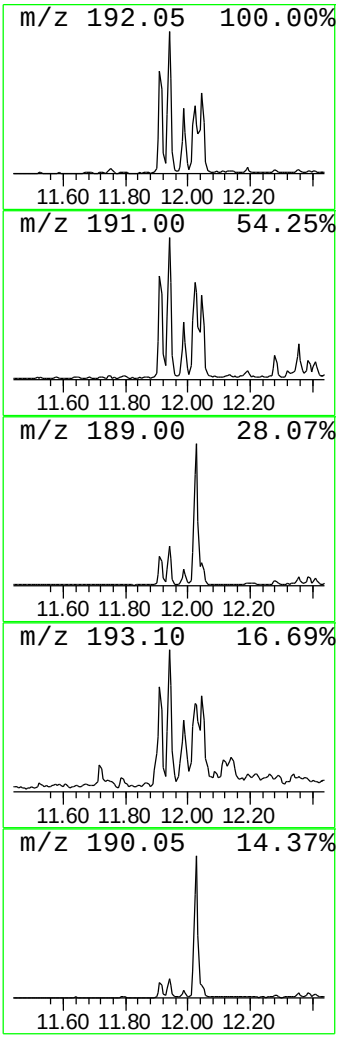
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	6.64 ng	373906	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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ClientSampleId : COMP-23

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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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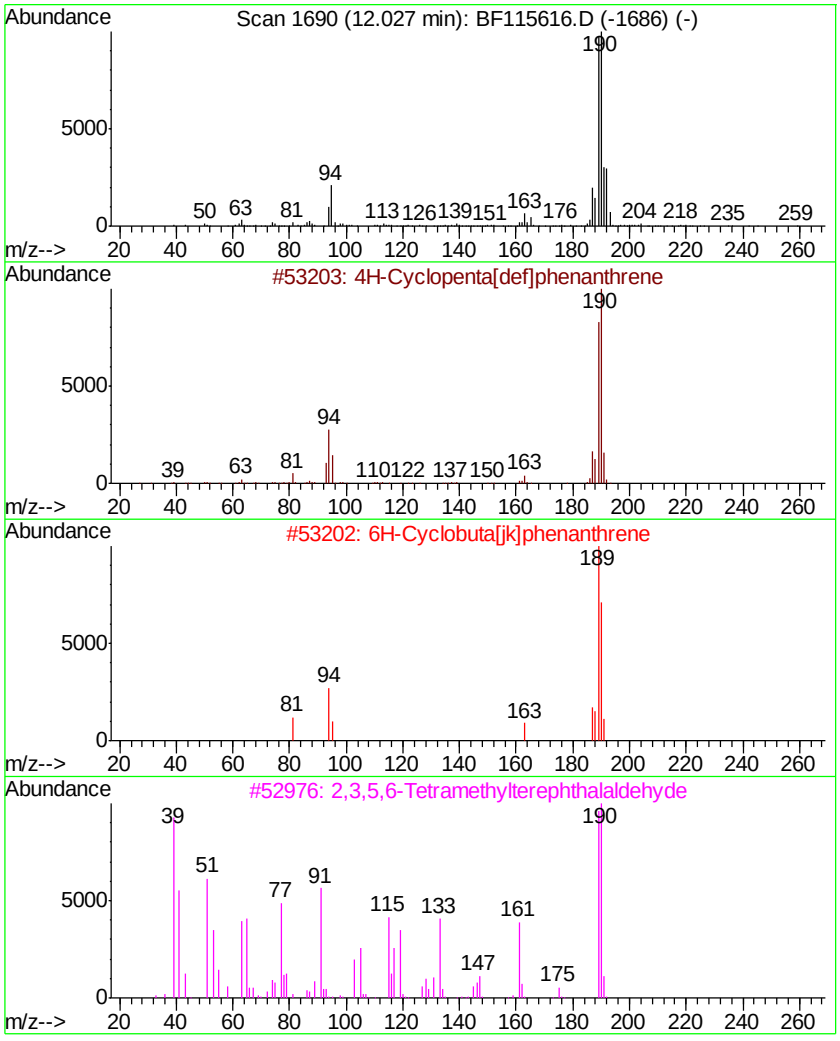
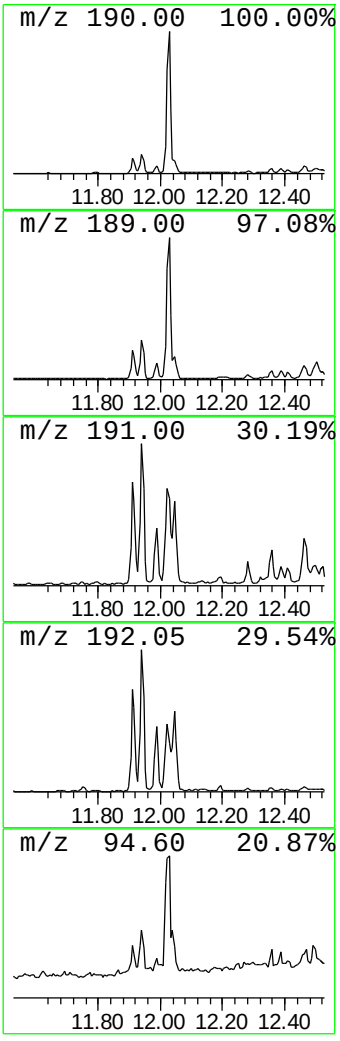
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	8.69 ng	489364	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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ClientSampleId : COMP-23

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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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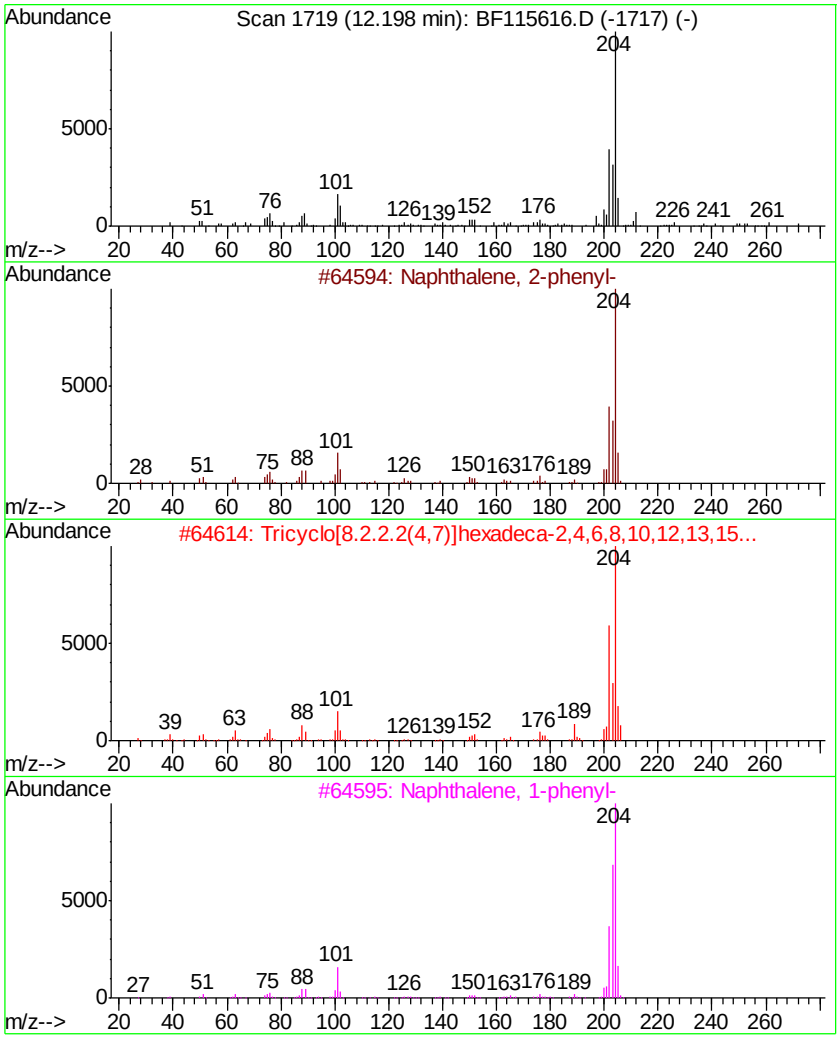
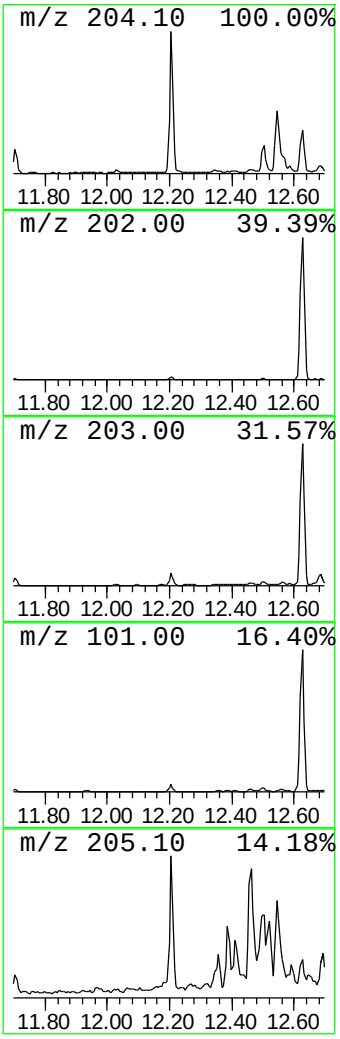
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.82 ng	158653	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	50
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47





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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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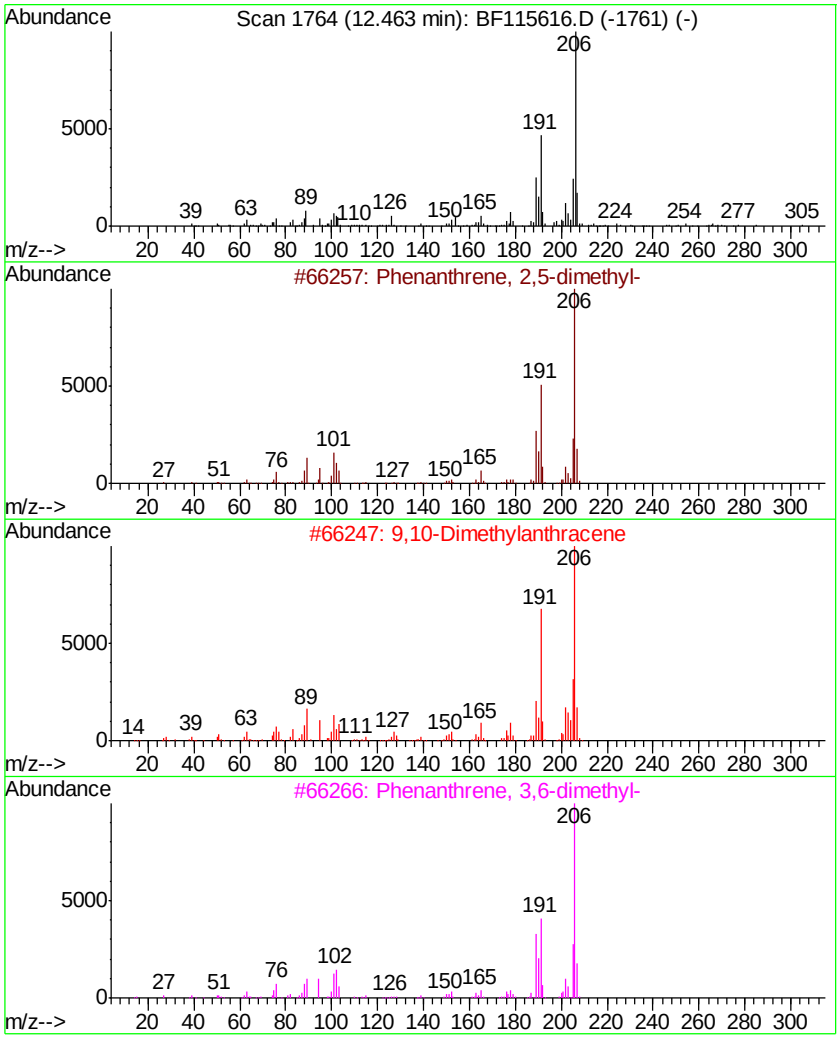
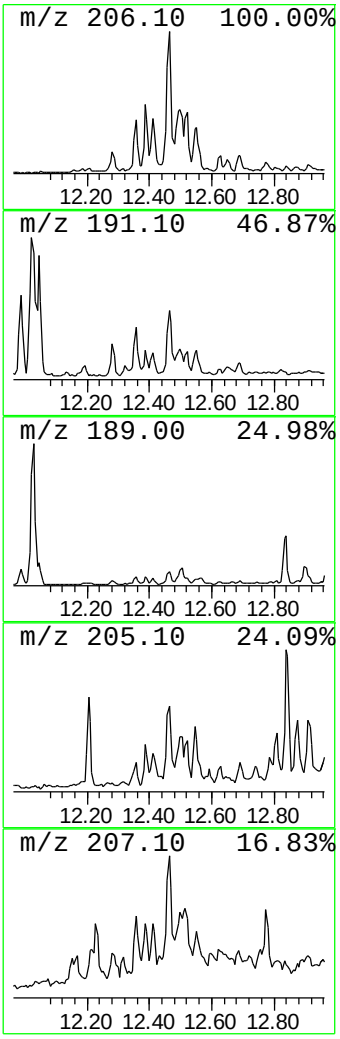
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.69 ng	151623	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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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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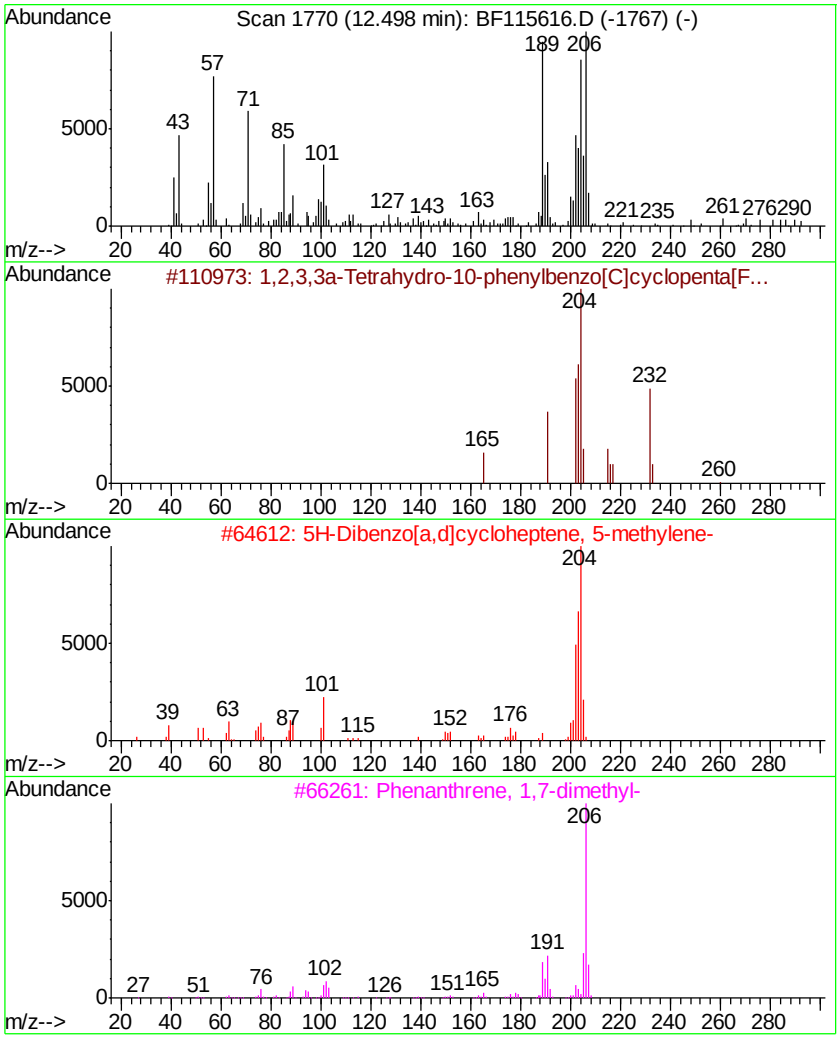
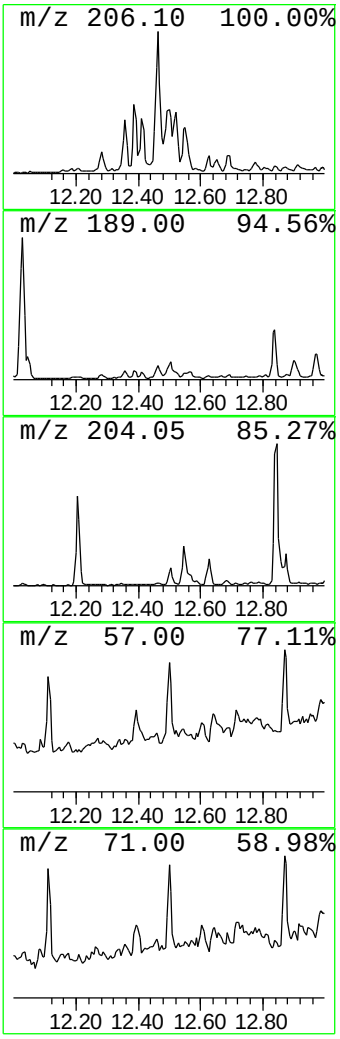
Peak Number 13 unknown12.50 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	3.45 ng	194468	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,3a-Tetrahydro-10-phenylben...	260	C18H16N2	028749-06-6	38
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	35
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	25
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	25
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	22





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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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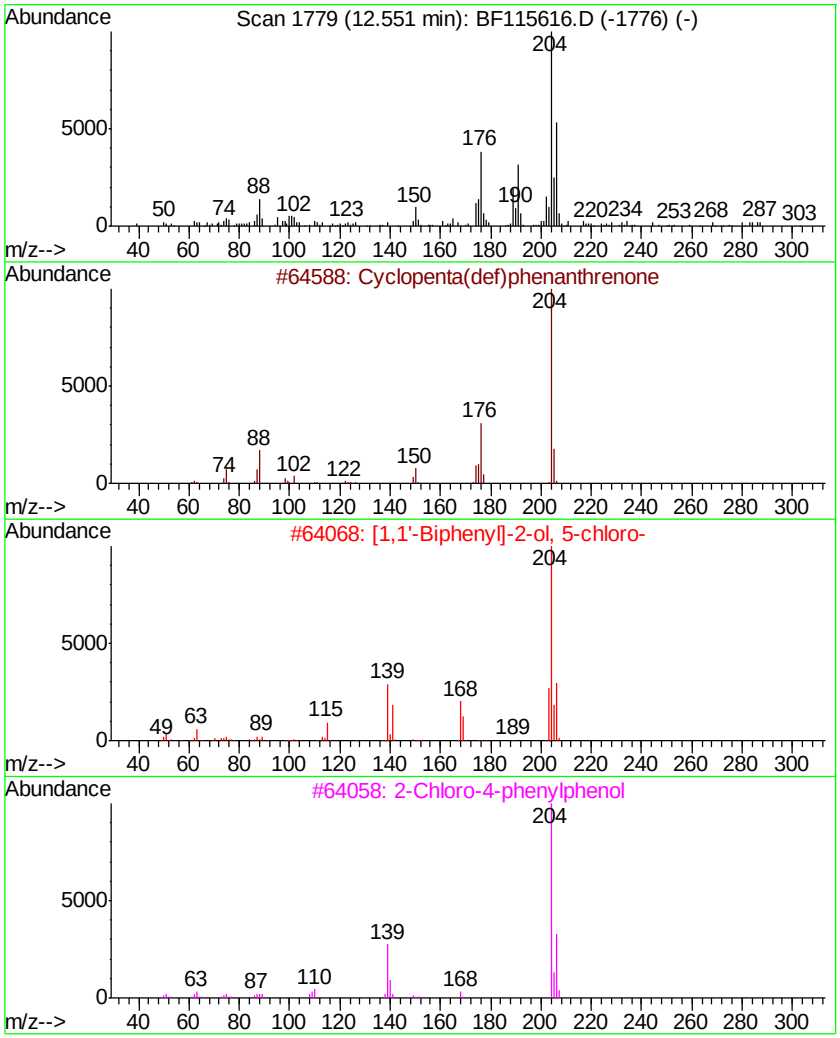
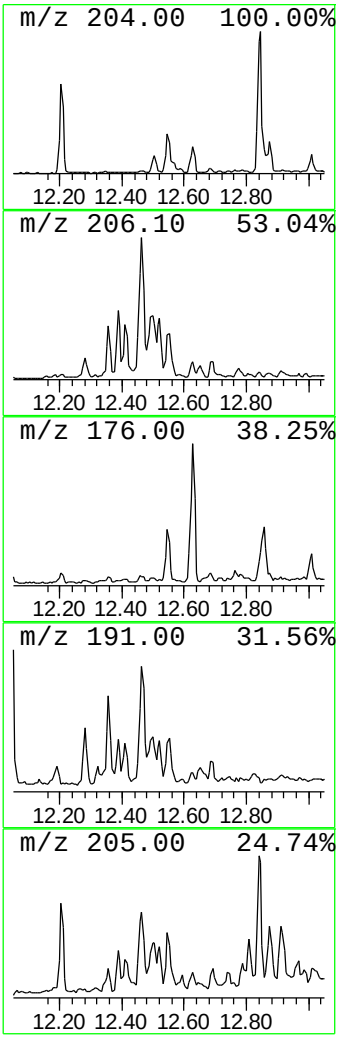
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	2.20 ng	124030	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38





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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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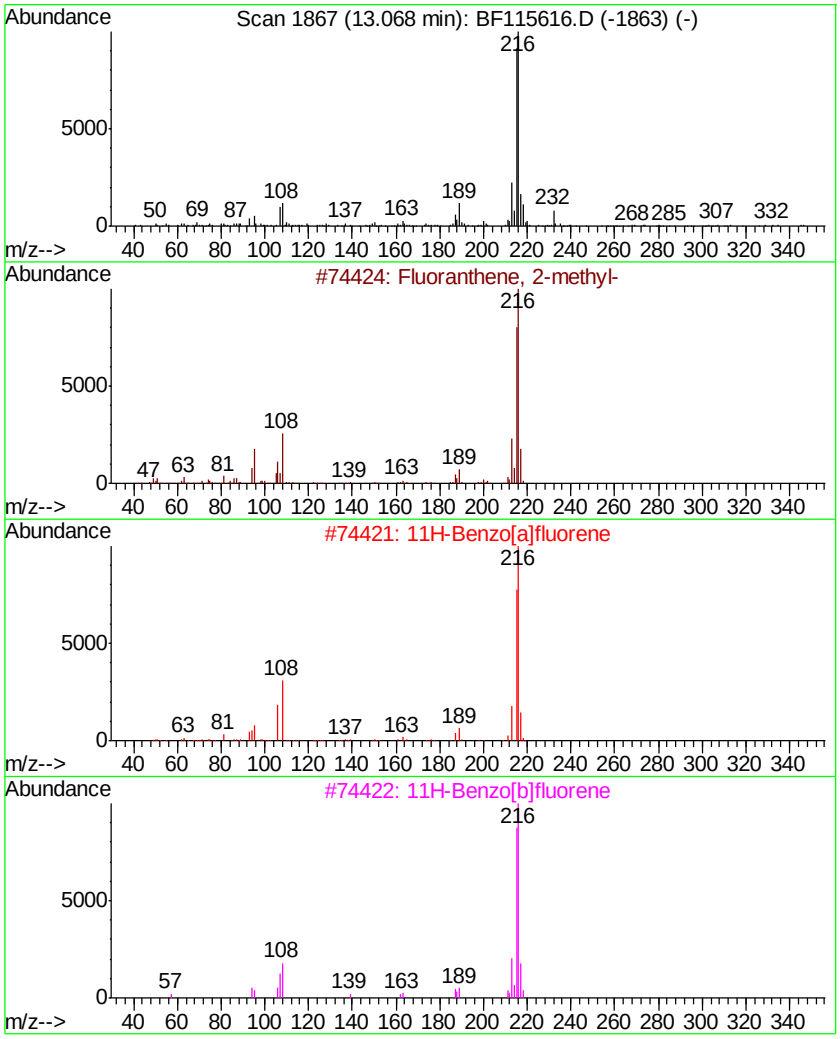
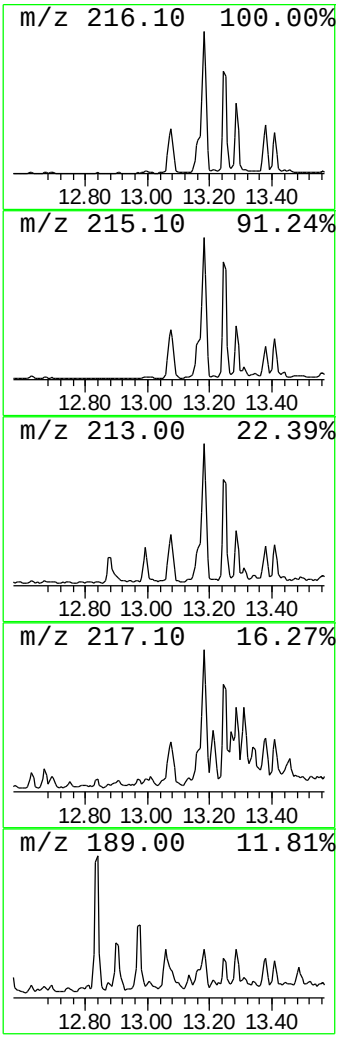
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.52 ng	294159	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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

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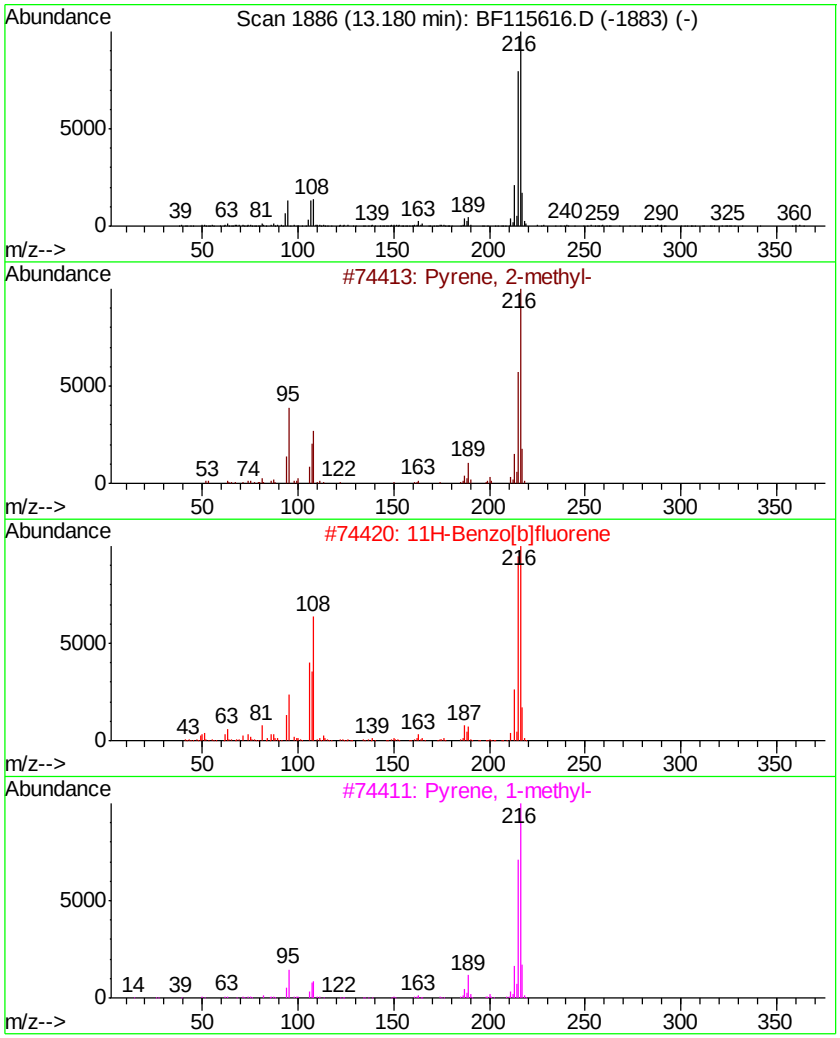
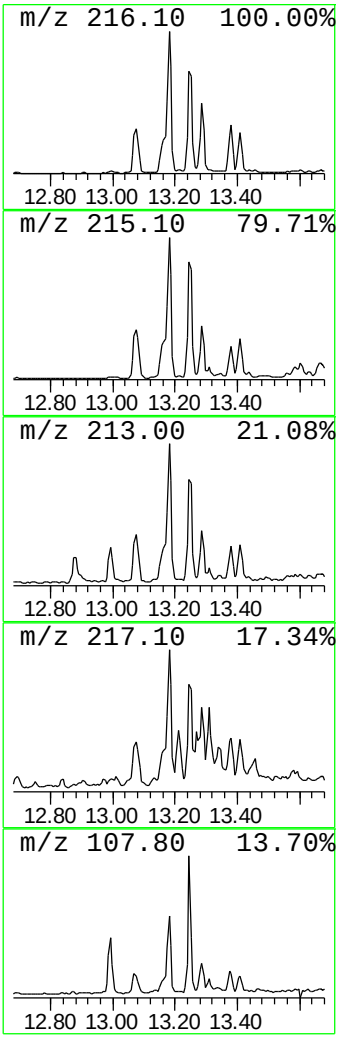
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	4.19 ng	488352	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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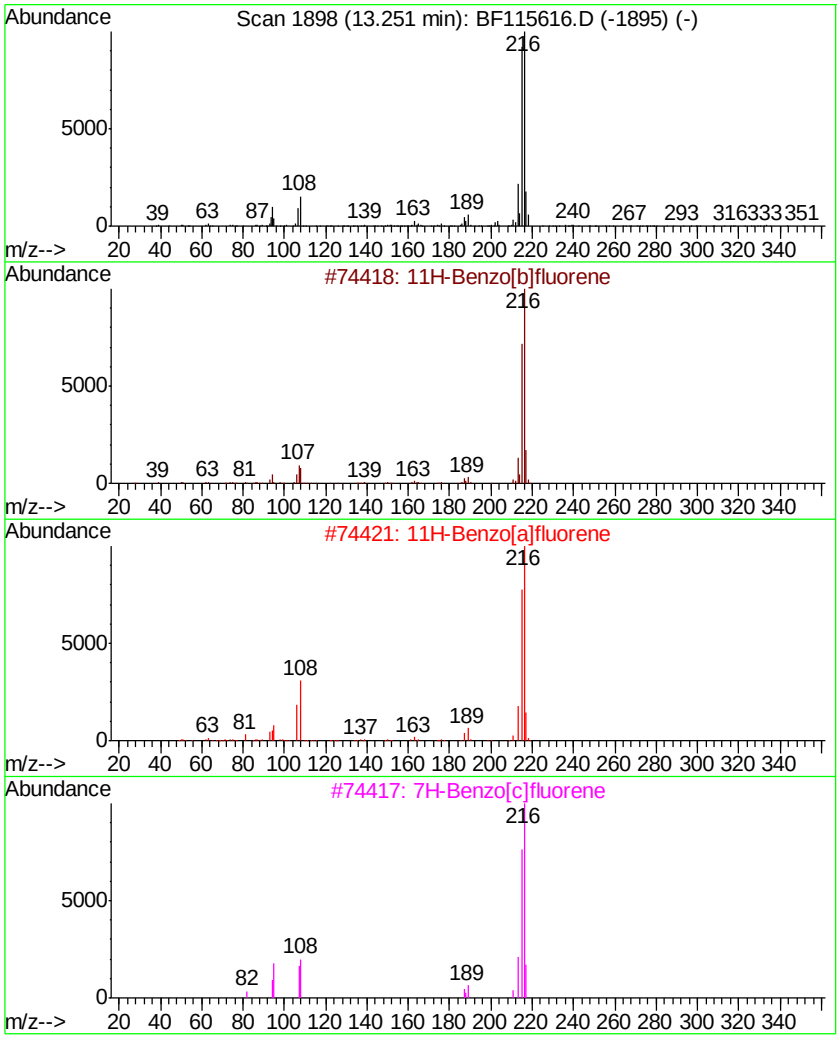
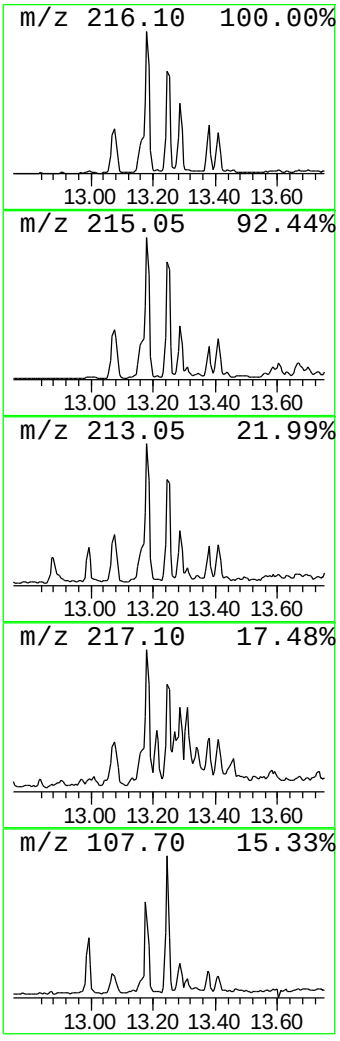
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	2.76 ng	321661	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	62
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60





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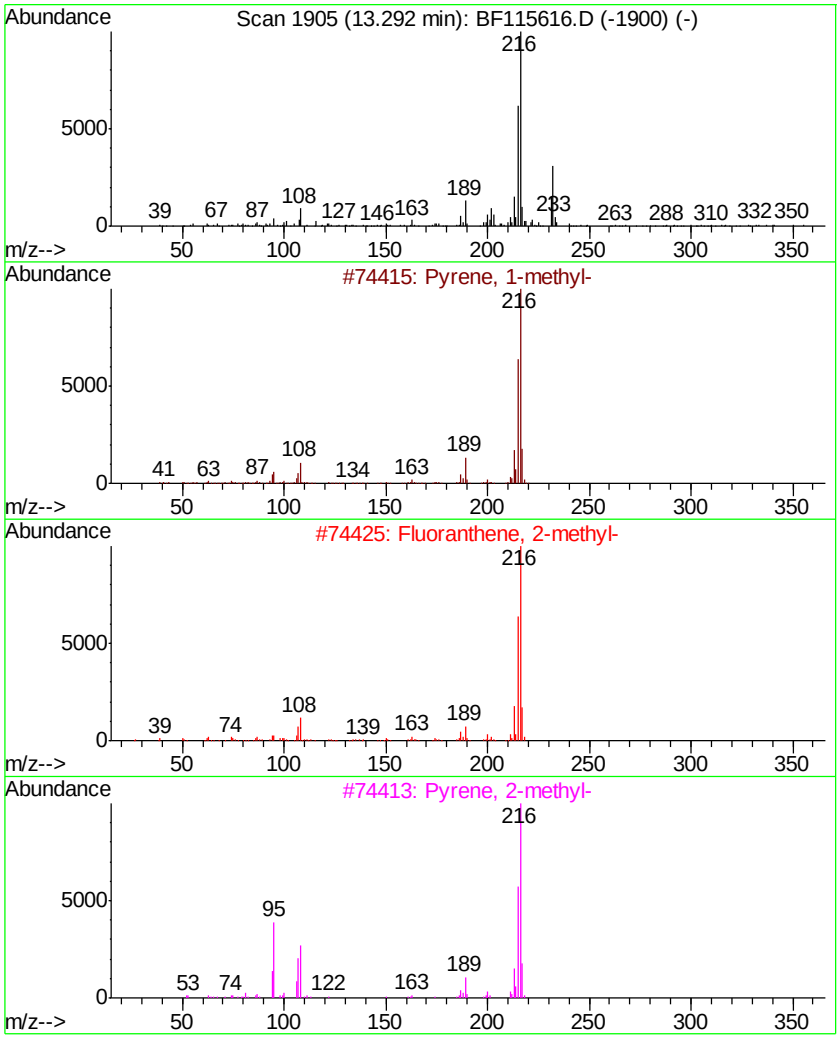
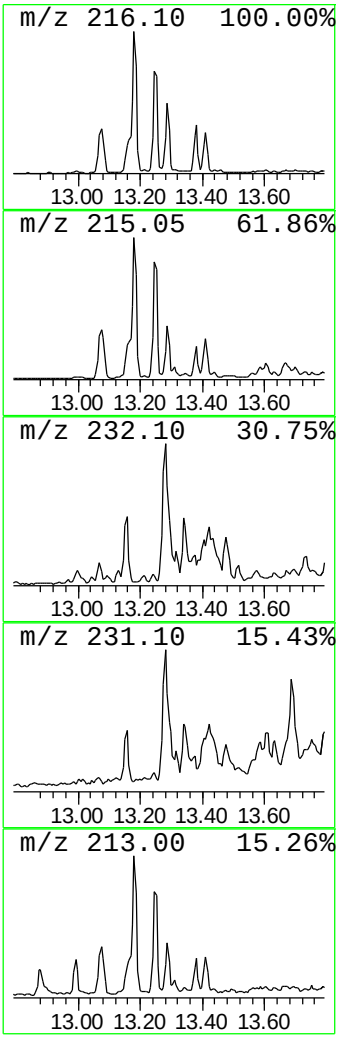
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	2.38 ng	277363	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76





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Acq On : 16 Jul 2019 23:44
Operator : HP/JU
Sample : K3740-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-23

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

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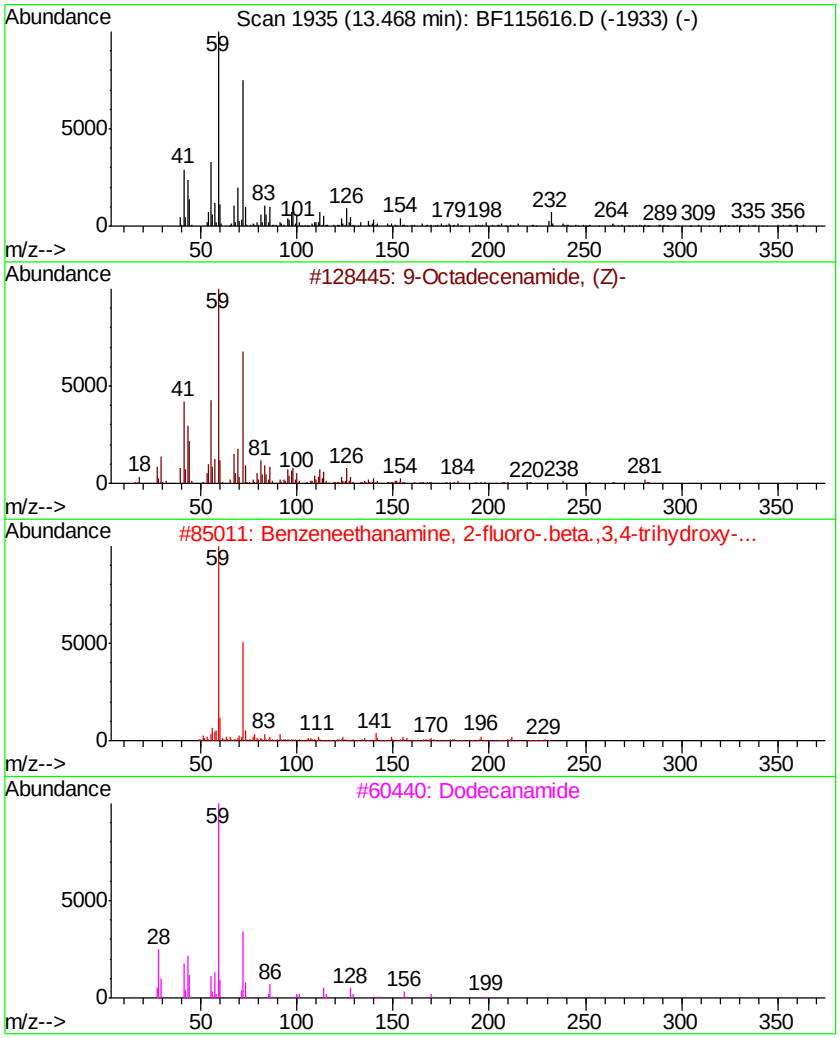
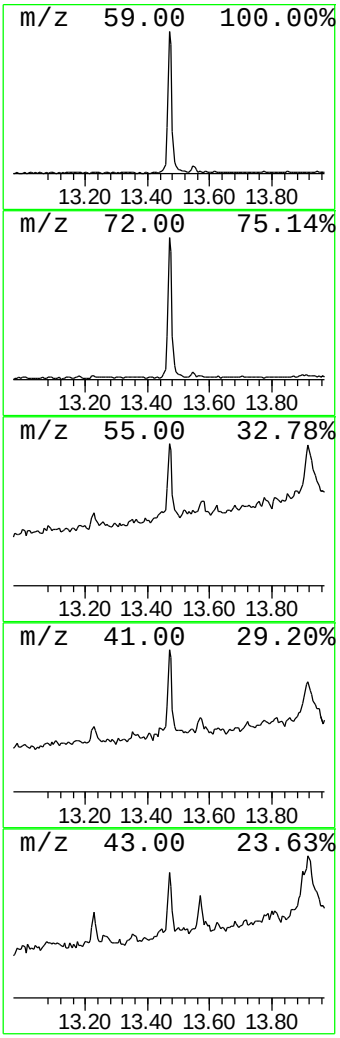
Peak Number 19 9-Octadecenamide, (Z)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	2.50 ng	291843	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	96
2	Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FNO3	061338-98-5	59
3	Dodecanamide	199	C12H25NO	001120-16-7	43
4	2-Hydroxy-2-methylundec-5-en-3-one	198	C12H22O2	1000191-46-2	27
5	2-Hydroxy-2,4-dimethyl-hept-6-en...	156	C9H16O2	1000192-56-0	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
Data File : BF115616.D
Acq On : 16 Jul 2019 23:44
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Sample : K3740-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-23

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

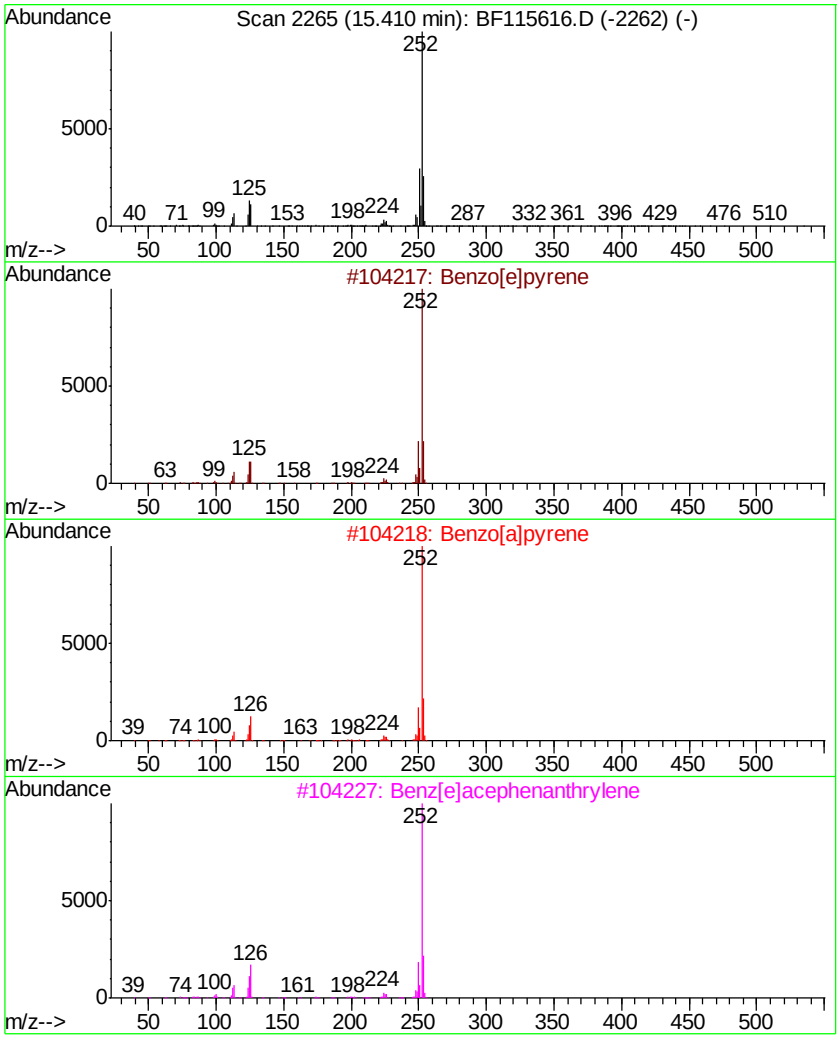
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

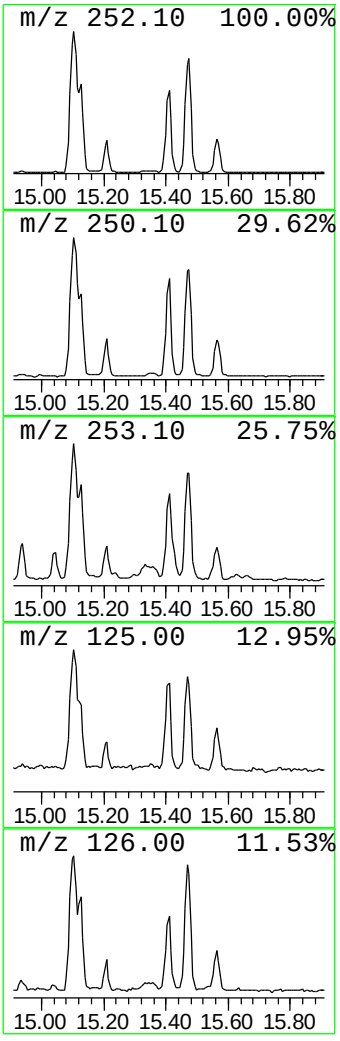
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	20.54 ng	625133	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071619\
Data File : BF115616.D
Acq On : 16 Jul 2019 23:44
Operator : HP/JU
Sample : K3740-04 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMP-23

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...	2.13	16.3	ng	789303	1	6.89	968445	20.0
unknown6.65	6.65	35.8	ng	1732590	1	6.89	968445	20.0
2-Amino-6-fluorob...	10.13	2.5	ng	134324	3	9.92	1082540	20.0
Pentadecane, 2,6,...	10.85	3.1	ng	172863	4	11.41	1125820	20.0
unknown11.27	11.27	2.0	ng	113916	4	11.41	1125820	20.0
Naphtho[2,1-b]thi...	11.30	2.7	ng	154501	4	11.41	1125820	20.0
Anthracene, 2-met...	11.91	3.3	ng	185985	4	11.41	1125820	20.0
Anthracene, 9-met...	11.94	6.6	ng	373906	4	11.41	1125820	20.0
4H-Cyclopenta[def...	12.03	8.7	ng	489364	4	11.41	1125820	20.0
Naphthalene, 2-ph...	12.20	2.8	ng	158653	4	11.41	1125820	20.0
Phenanthrene, 2,5...	12.46	2.7	ng	151623	4	11.41	1125820	20.0
unknown12.50	12.50	3.5	ng	194468	4	11.41	1125820	20.0
Cyclopenta(def)ph...	12.55	2.2	ng	124030	4	11.41	1125820	20.0
Fluoranthene, 2-m...	13.07	2.5	ng	294159	5	14.06	2330130	20.0
Pyrene, 2-methyl-	13.18	4.2	ng	488352	5	14.06	2330130	20.0
11H-Benzo[b]fluorene	13.25	2.8	ng	321661	5	14.06	2330130	20.0
Pyrene, 1-methyl-	13.29	2.4	ng	277363	5	14.06	2330130	20.0
9-Octadecenamide,...	13.47	2.5	ng	291843	5	14.06	2330130	20.0
Benzo[e]pyrene	15.41	20.5	ng	625133	6	15.53	608813	20.0