LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115261.D
Acq On : 28 Jun 2019 3:34
Operator : HP/JU
Sample : K3159-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-062619-A

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	4.419	418	422	427	rBV	53602	65474	1.58%	0.101%
2	5.189	548	553	556	rBV	2433989	2158755	51.94%	3.318%
3	6.236	726	731	734	rBV	2649112	2297054	55.26%	3.530%
4	6.266	734	736	739	rVB	58585	47824	1.15%	0.074%
5	6.366	749	753	756	rBV	2874951	2413881	58.07%	3.710%
6	6.601	789	793	796	rBV	1668280	1290776	31.05%	1.984%
7	6.754	815	819	823	rBV	2381236	1929804	46.43%	2.966%
8	7.160	883	888	891	rBV	1541297	1404486	33.79%	2.159%
9	7.878	1007	1010	1013	rBV	1890128	1705319	41.03%	2.621%
10	8.589	1128	1131	1136	rVB	76048	62449	1.50%	0.096%
11	8.689	1145	1148	1153	rVB	74599	56968	1.37%	0.088%
12	8.954	1190	1193	1197	rBV	3505257	2892678	69.59%	4.446%
13	9.213	1234	1237	1242	rBV	46868	65244	1.57%	0.100%
14	9.289	1245	1250	1253	rBV	89285	92292	2.22%	0.142%
15	9.348	1257	1260	1264	rVV	595501	492126	11.84%	0.756%
16	9.407	1267	1270	1276	rVB	44008	54514	1.31%	0.084%
17	9.483	1280	1283	1290	rBV	136892	112627	2.71%	0.173%
18	9.624	1303	1307	1310	rBV	2369433	2019149	48.58%	3.103%
19	9.654	1310	1312	1316	rVB	396479	354635	8.53%	0.545%
20	9.830	1337	1342	1346	rBV	219196	207082	4.98%	0.318%
21	9.942	1357	1361	1364	rBV2	44153	54649	1.31%	0.084%
22	10.136	1387	1394	1396	rBV5	31049	50126	1.21%	0.077%
23	10.166	1396	1399	1402	rVV	463054	388451	9.35%	0.597%
24	10.236	1406	1411	1412	rBV	72146	77341	1.86%	0.119%
25	10.254	1412	1414	1417	rVB	65741	49945	1.20%	0.077%
26	10.324	1424	1426	1432	rVB	108359	121774	2.93%	0.187%
27	10.407	1436	1440	1445	rVV	2280078	1949537	46.90%	2.996%
28	10.530	1454	1461	1462	rBV3	43983	56253	1.35%	0.086%
29	10.713	1487	1492	1495	rBV3	103361	132381	3.18%	0.203%
30	10.742	1495	1497	1500	rVV2	65423	59199	1.42%	0.091%
31	10.795	1504	1506	1510	rVB2	57545	55289	1.33%	0.085%
32	10.842	1510	1514	1516	rBV3	66192	86515	2.08%	0.133%
33	10.866	1516	1518	1520	rVV2	80302	65609	1.58%	0.101%
34	10.901	1522	1524	1530	rVB3	45130	58820	1.42%	0.090%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3159-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-062619-A

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	10.954	1530	1533	1537	rBV2	75156	99570	2.40%	0.153%
36	10.995	1537	1540	1543	rVB	217554	175812	4.23%	0.270%
37	11.101	1554	1558	1560	rBV	2423485	2315309	55.70%	3.558%
38	11.124	1560	1562	1565	rVV	3240364	2366546	56.93%	3.637%
39	11.171	1565	1570	1573	rVV	1165643	924352	22.24%	1.421%
40	11.213	1573	1577	1580	rVB3	65897	83792	2.02%	0.129%
41	11.324	1590	1596	1600	rBV2	178990	211443	5.09%	0.325%
42	11.395	1606	1608	1610	rBV	59029	48036	1.16%	0.074%
43	11.424	1610	1613	1618	rVB3	111343	126669	3.05%	0.195%
44	11.518	1625	1629	1632	rBV	679415	535914	12.89%	0.824%
45	11.601	1636	1643	1645	rBV	363422	373459	8.98%	0.574%
46	11.624	1645	1647	1649	rVV	492922	410564	9.88%	0.631%
47	11.648	1649	1651	1653	rVV	219982	192994	4.64%	0.297%
48	11.671	1653	1655	1658	rVV	269219	236381	5.69%	0.363%
49	11.707	1658	1661	1664	rVV	826977	822878	19.80%	1.265%
50	11.730	1664	1665	1668	rVB	273370	155501	3.74%	0.239%
51	11.830	1679	1682	1685	rBV3	76576	87030	2.09%	0.134%
52	11.895	1690	1693	1695	rBV	276349	245515	5.91%	0.377%
53	11.971	1704	1706	1709	rBV2	33700	46406	1.12%	0.071%
54	12.042	1716	1718	1721	rVB	97188	76536	1.84%	0.118%
55	12.071	1721	1723	1725	rBV	114868	92736	2.23%	0.143%
56	12.095	1725	1727	1731	rVB	91284	70222	1.69%	0.108%
57	12.148	1732	1736	1739	rBV	236957	281305	6.77%	0.432%
58	12.201	1739	1745	1746	rVV2	1786863	1692778	40.73%	2.602%
59	12.218	1746	1748	1755	rVB	2345379	2262772	54.44%	3.478%
60	12.307	1759	1763	1766	rBV	4642569	4099827	98.63%	6.301%
61	12.354	1768	1771	1776	rBV4	128532	153272	3.69%	0.236%
62	12.395	1776	1778	1780	rVB	95398	69631	1.68%	0.107%
63	12.448	1781	1787	1789	rBV2	172104	270366	6.50%	0.416%
64	12.530	1796	1801	1804	rBV	3778240	4156598	100.00%	6.388%
65	12.554	1804	1805	1807	rVV2	167911	96108	2.31%	0.148%
66	12.577	1807	1809	1816	rVB3	183862	261110	6.28%	0.401%
67	12.648	1818	1821	1823	rBV	232440	197991	4.76%	0.304%
68	12.683	1823	1827	1830	rVV	3553775	3221697	77.51%	4.951%
69	12.754	1833	1839	1841	rBV2	250226	414898	9.98%	0.638%
70	12.836	1850	1853	1854	rBV2	195215	202683	4.88%	0.312%
71	12.860	1854	1857	1860	rVB	612902	579207	13.93%	0.890%

LSC Area Percent Report

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Operator : HP/JU
Sample : K3159-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-062619-A

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

72	12.924	1865	1868	1870	rBV	627471	513325	12.35%	0.789%
73	12.960	1870	1874	1876	rBV	425891	350660	8.44%	0.539%
74	13.018	1882	1884	1887	rBV2	100210	107229	2.58%	0.165%
75	13.048	1887	1889	1892	rVB	215285	165933	3.99%	0.255%
76	13.077	1892	1894	1901	rBV3	206027	260711	6.27%	0.401%
77	13.471	1957	1961	1963	rBV2	286675	352480	8.48%	0.542%
78	13.501	1963	1966	1967	rVV	219380	171566	4.13%	0.264%
79	13.518	1967	1969	1971	rBV	194223	147053	3.54%	0.226%
80	13.718	1998	2003	2006	rBV2	2697843	3920640	94.32%	6.026%
81	13.748	2006	2008	2010	rVB	1549538	1194854	28.75%	1.836%
82	13.824	2018	2021	2024	rVB	439511	351344	8.45%	0.540%
83	14.107	2066	2069	2071	rVB	294177	295676	7.11%	0.454%
84	14.195	2082	2084	2086	rVB	190571	136794	3.29%	0.210%
85	14.224	2087	2089	2091	rBV2	206586	179448	4.32%	0.276%
86	14.712	2168	2172	2175	rBV	1324420	1950820	46.93%	2.998%
87	14.807	2186	2188	2193	rVB2	320282	328083	7.89%	0.504%
88	14.977	2213	2217	2222	rVB	696176	859608	20.68%	1.321%
89	15.030	2222	2226	2231	rBV	1066497	1186320	28.54%	1.823%
90	15.083	2231	2235	2238	rBV	1138155	1304190	31.38%	2.004%
91	16.348	2446	2450	2459	rVB2	410453	701839	16.88%	1.079%

Sum of corrected areas: 65065507

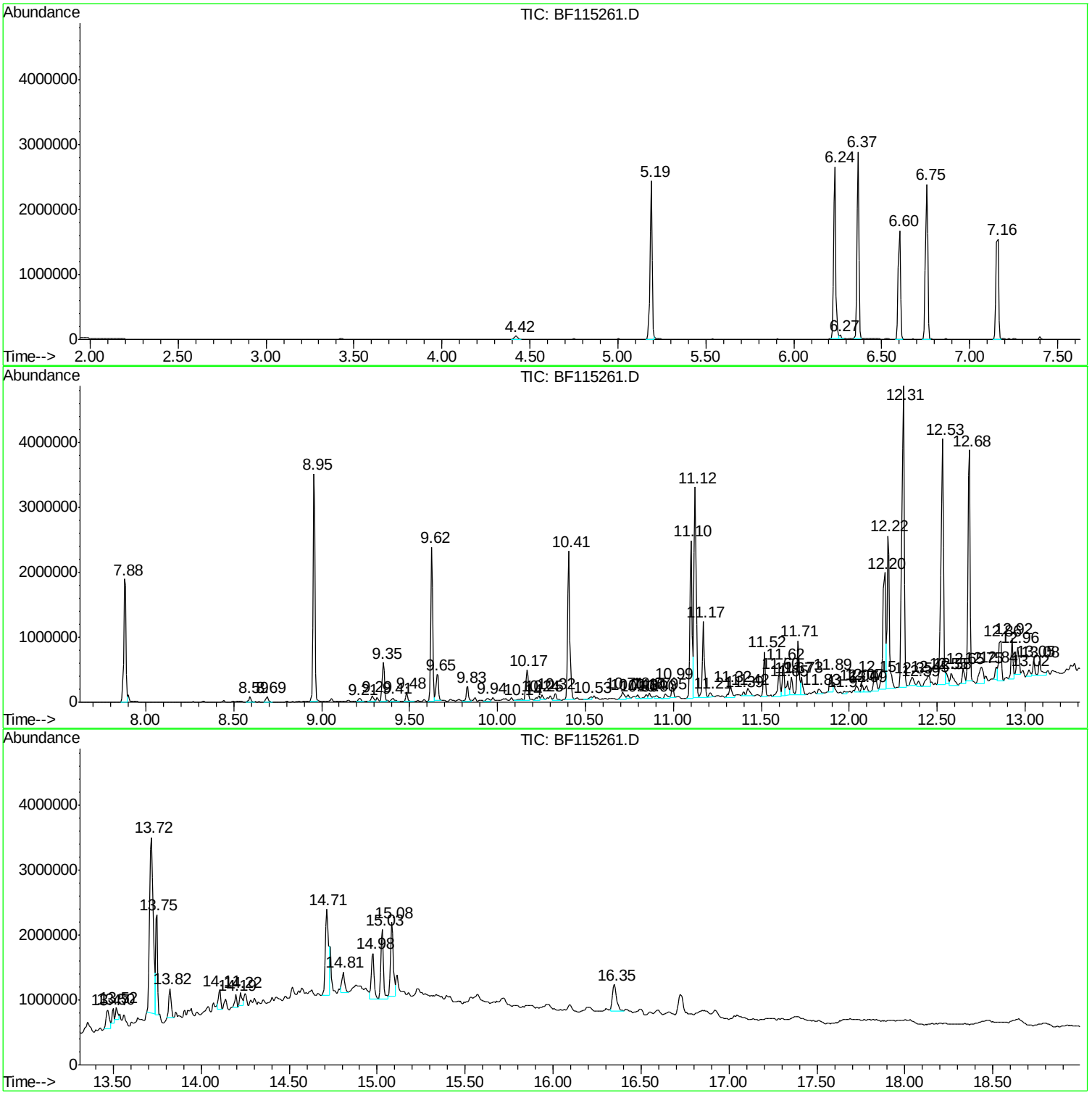
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115261.D
Acq On : 28 Jun 2019 3:34
Operator : HP/JU
Sample : K3159-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-062619-A

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115261.D
Acq On : 28 Jun 2019 3:34
Operator : HP/JU
Sample : K3159-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-062619-A

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

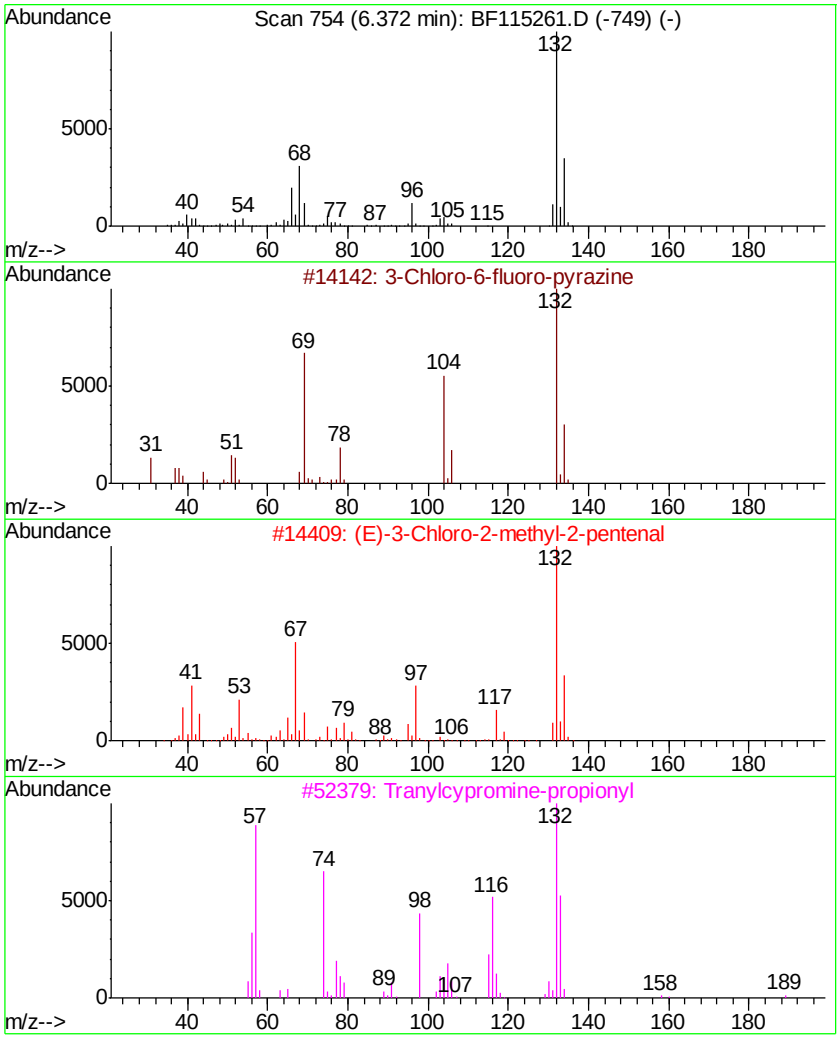
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

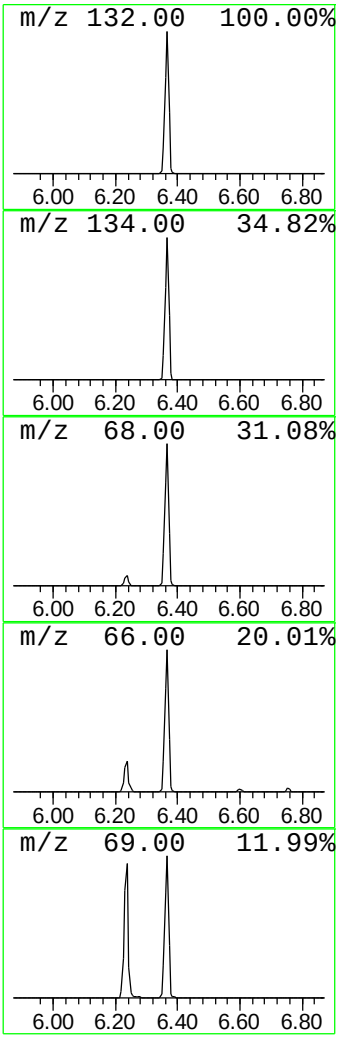
****

Peak Number 1 unknown6.37 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	37.40 ng	2413880	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	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115261.D
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Operator : HP/JU
Sample : K3159-09 2X
Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-062619-A

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

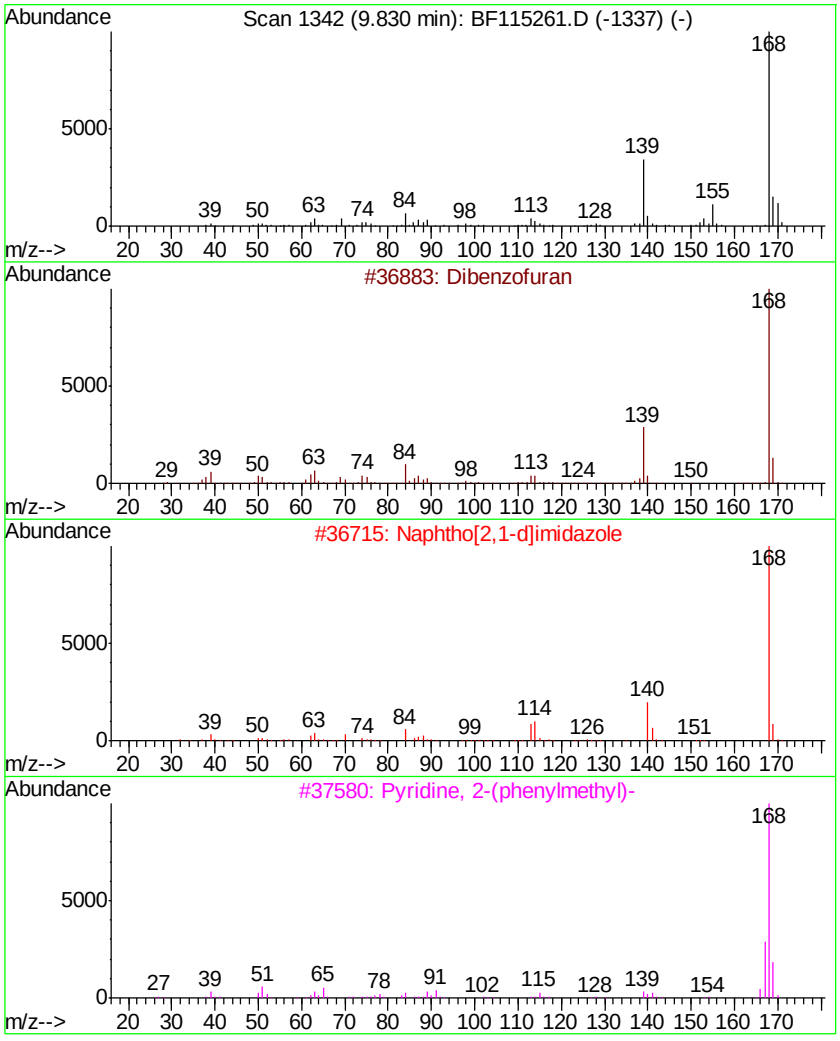
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

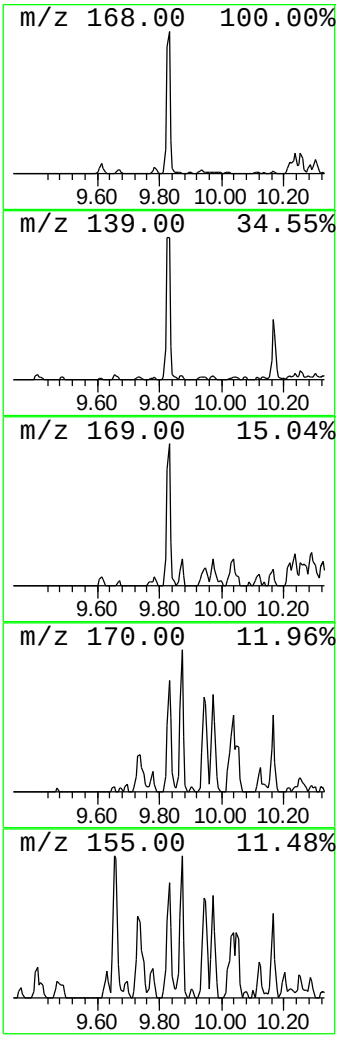
****

Peak Number 3 Naphtho[2,1-d]imidazole Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	2.05 ng	207082	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran	168	C12H8O	000132-64-9	81
2	Naphtho[2,1-d]imidazole	168	C11H8N2	000233-53-4	50
3	Pyridine, 2-(phenylmethyl)-	169	C12H11N	000101-82-6	50
4	3,6-Diazahomoadamantan-9-ol	168	C9H16N2O	138023-21-9	47
5	6-Hydroxy-8-mercaptopurine	168	C5H4N4OS	006305-94-8	42





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Instrument : BNA_F
ClientSampleId : OR-03-062619-A

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

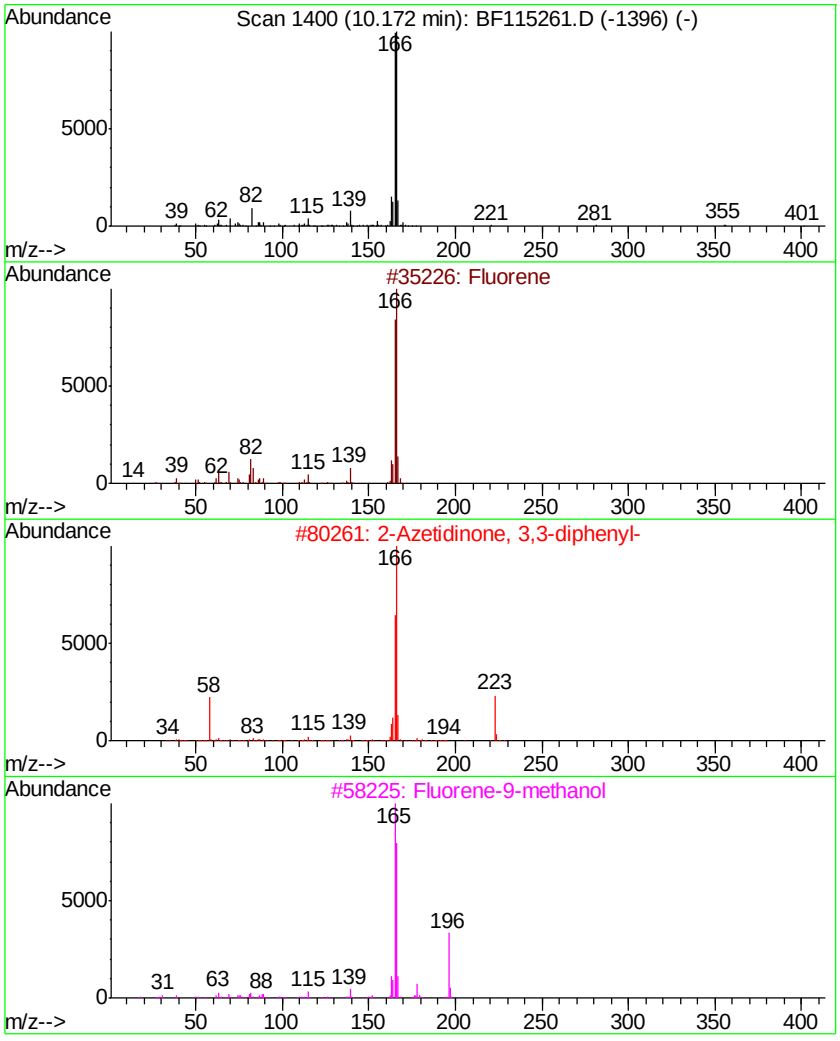
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

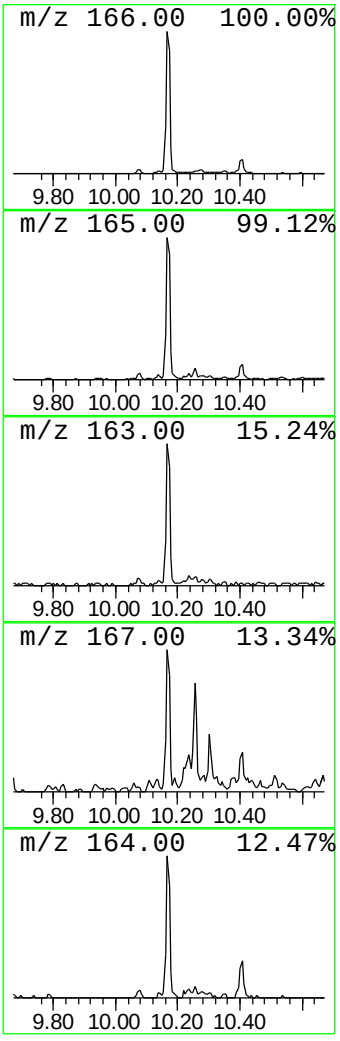
****

Peak Number 4 2-Azetidinone, 3,3-diphenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	3.85 ng	388451	Acenaphthene-d10	9.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene	166	C13H10	000086-73-7	97
2	2-Azetidinone, 3,3-diphenyl-	223	C15H13NO	015826-12-7	72
3	Fluorene-9-methanol	196	C14H12O	024324-17-2	64
4	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	59
5	Fluorene, 9-chloro-	200	C13H9Cl	006630-65-5	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

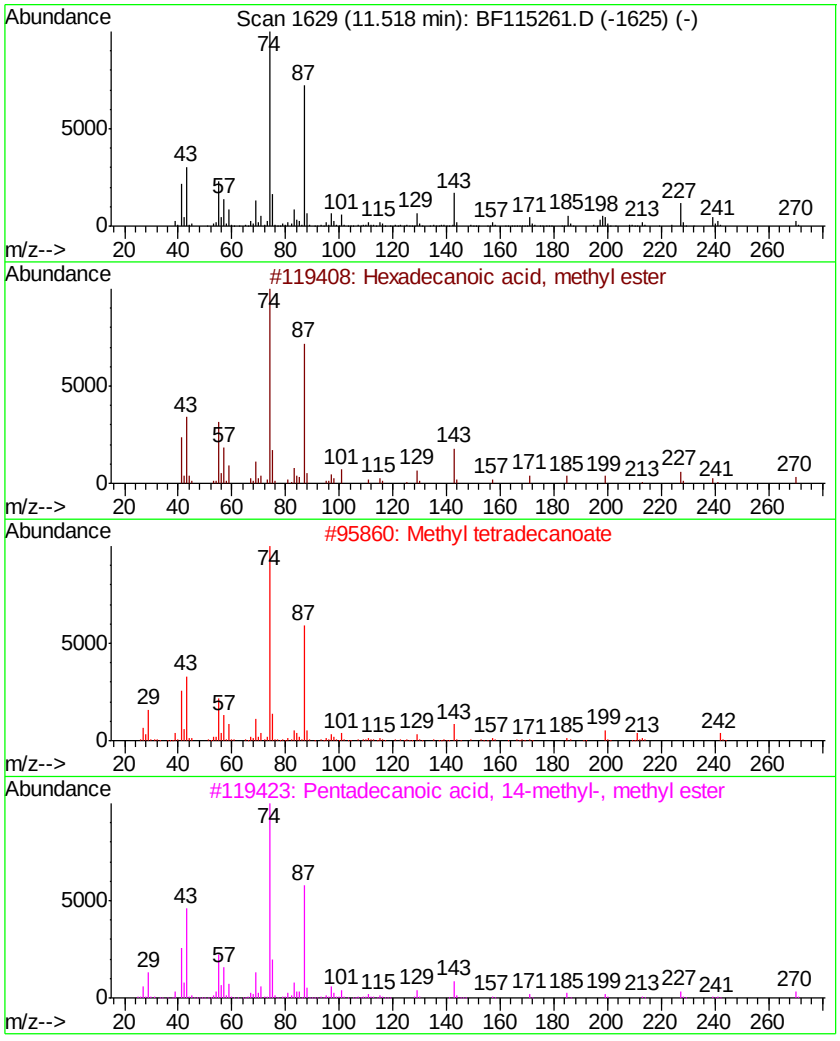
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

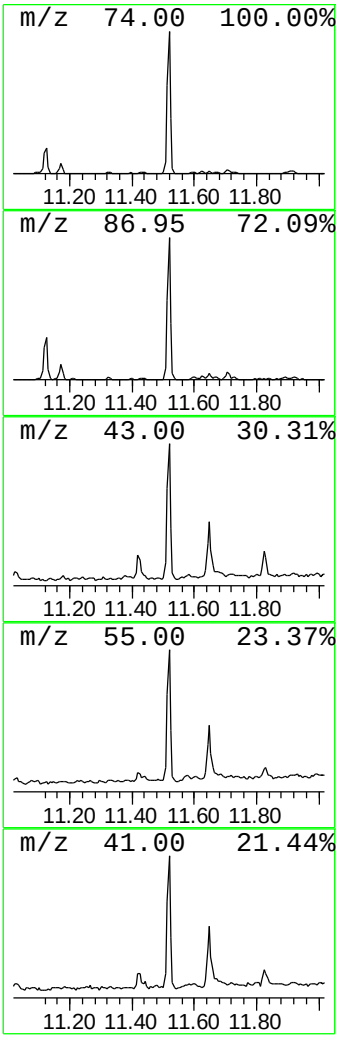
****

Peak Number 5 Hexadecanoic acid, methyl e... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	4.63 ng	535914	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	93
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	93
5	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	81





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Data File : BF115261.D
Acq On : 28 Jun 2019 3:34
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Sample : K3159-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-062619-A

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

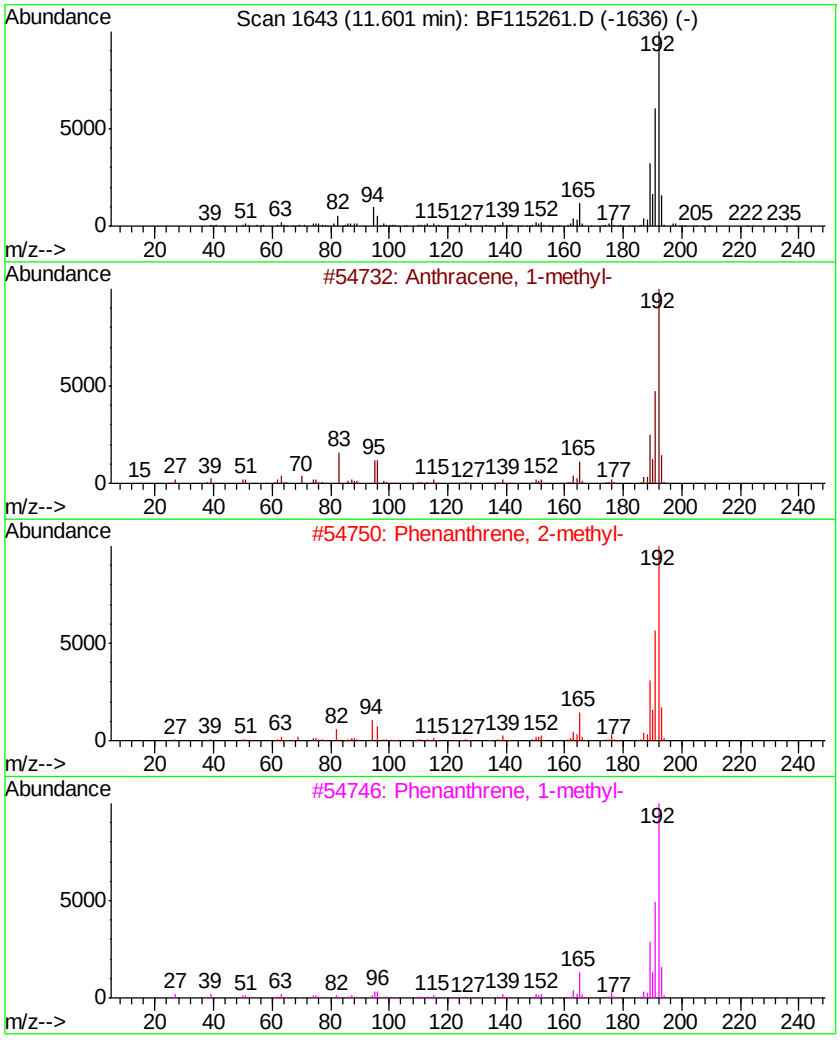
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

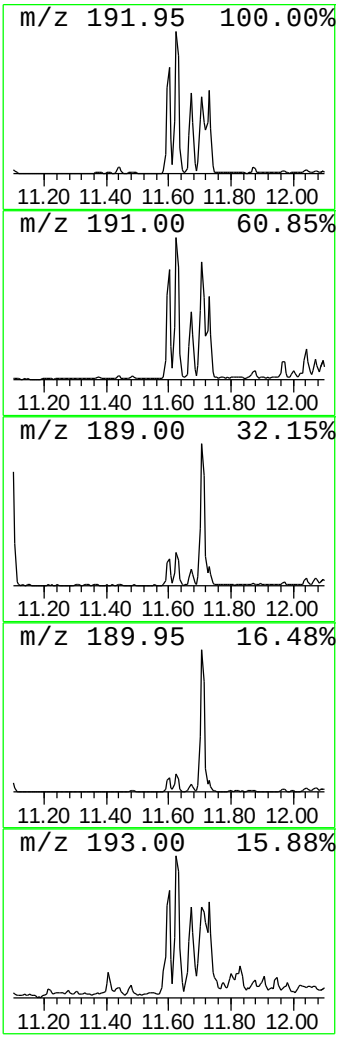
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	3.23 ng	373459	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
Data File : BF115261.D
Acq On : 28 Jun 2019 3:34
Operator : HP/JU
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Misc :
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Instrument : BNA_F
ClientSampleId : OR-03-062619-A

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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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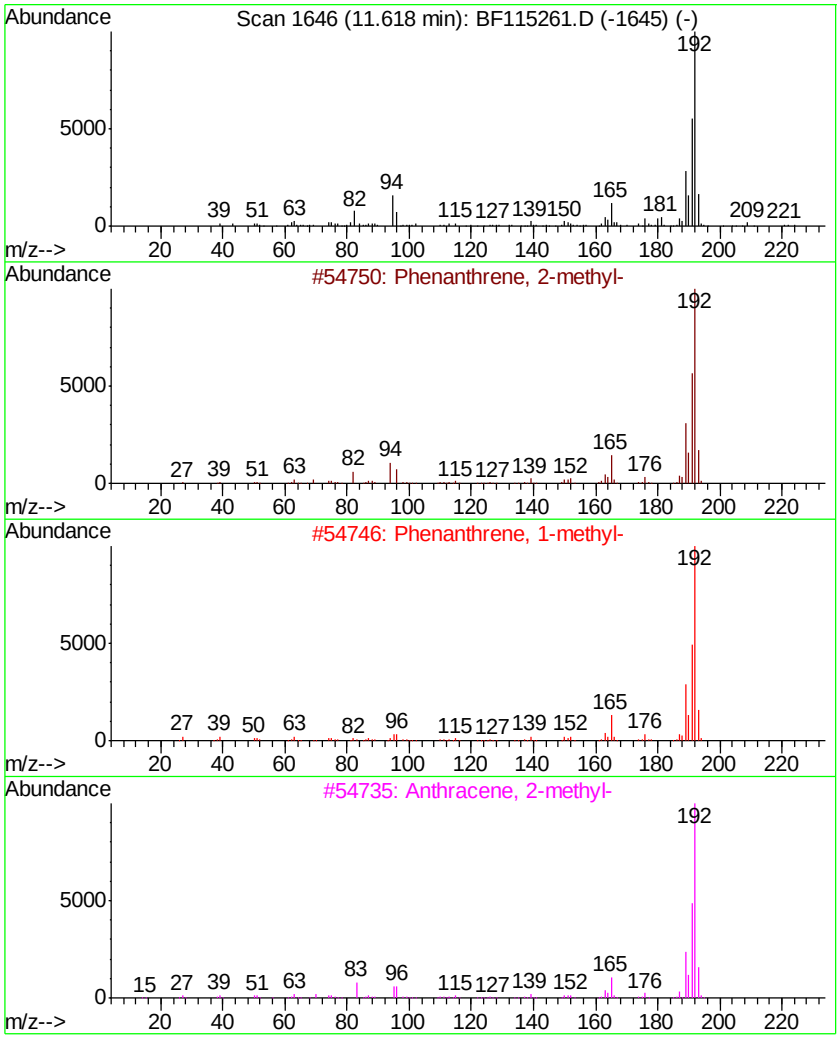
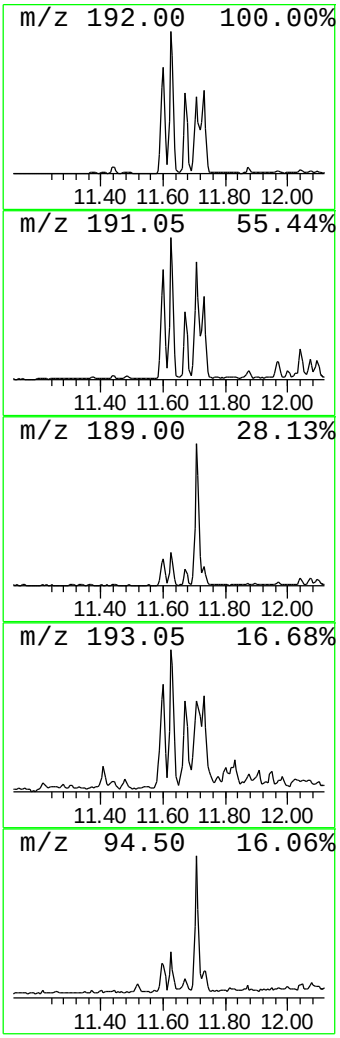
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	3.55 ng	410564	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Acq On : 28 Jun 2019 3:34
Operator : HP/JU
Sample : K3159-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-062619-A

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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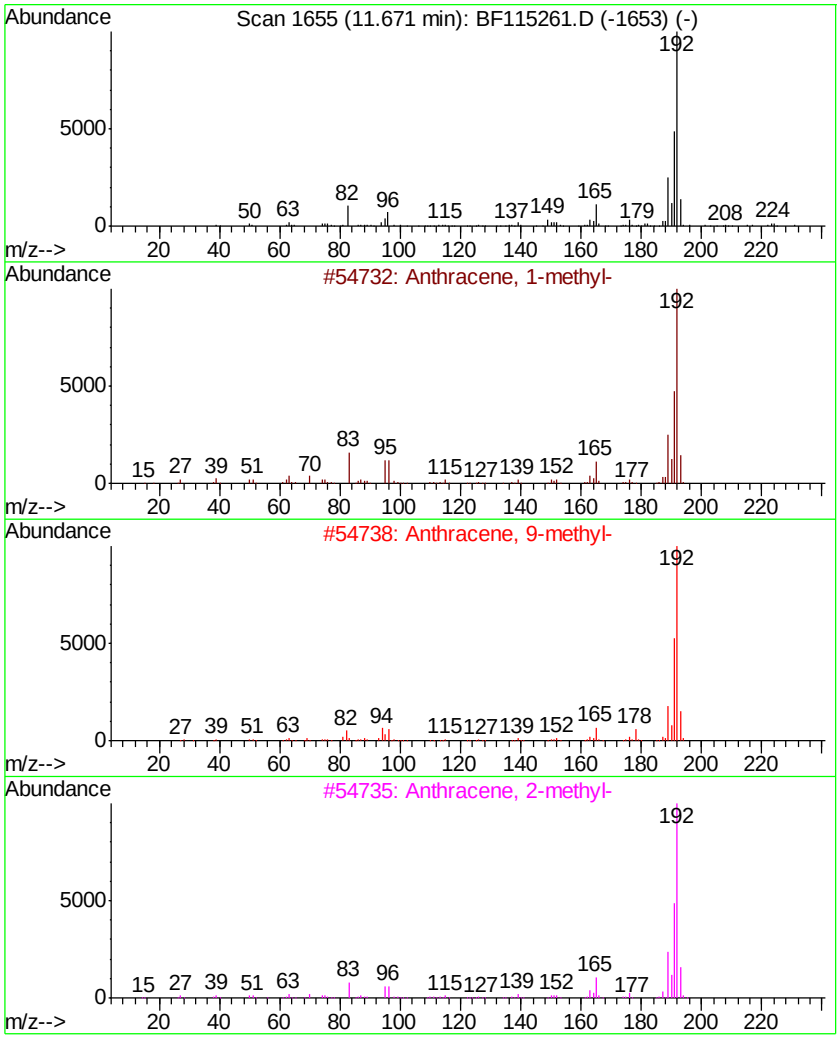
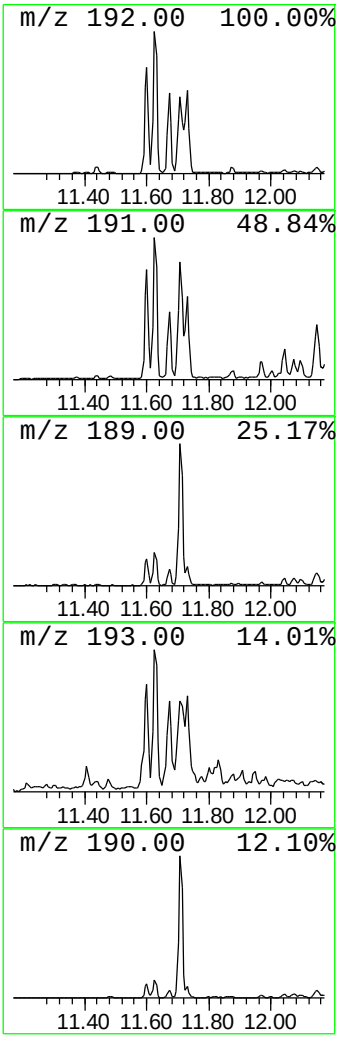
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	2.04 ng	236381	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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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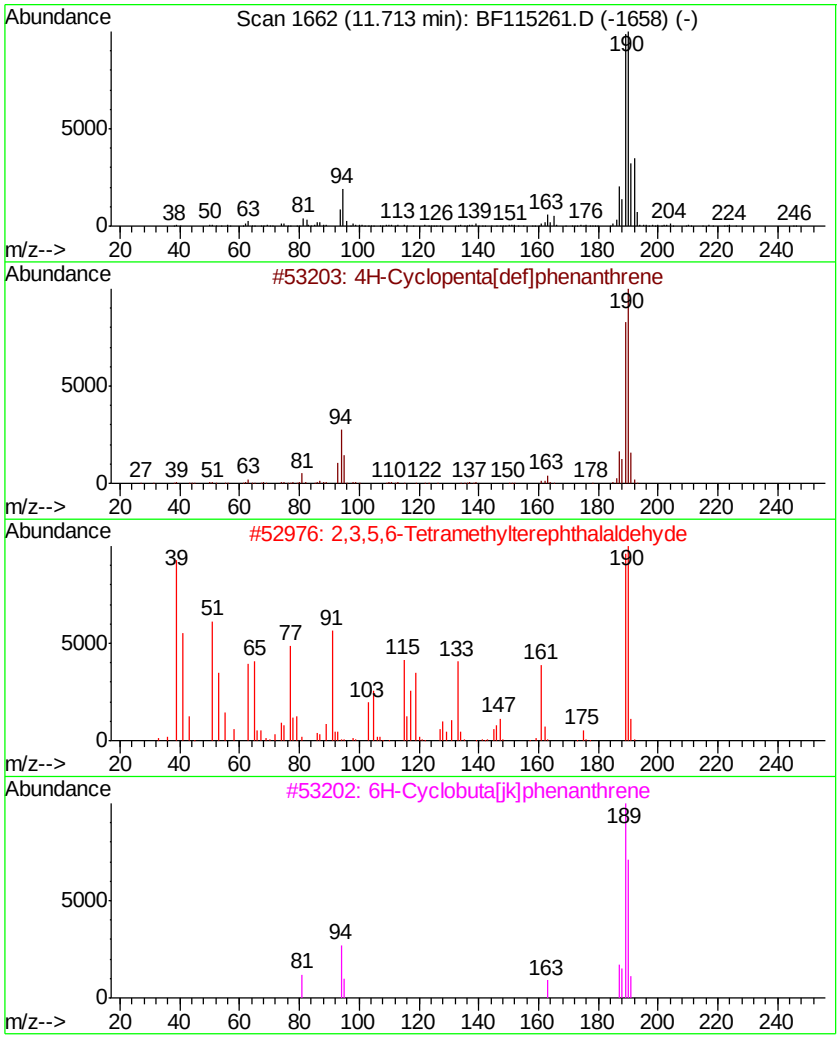
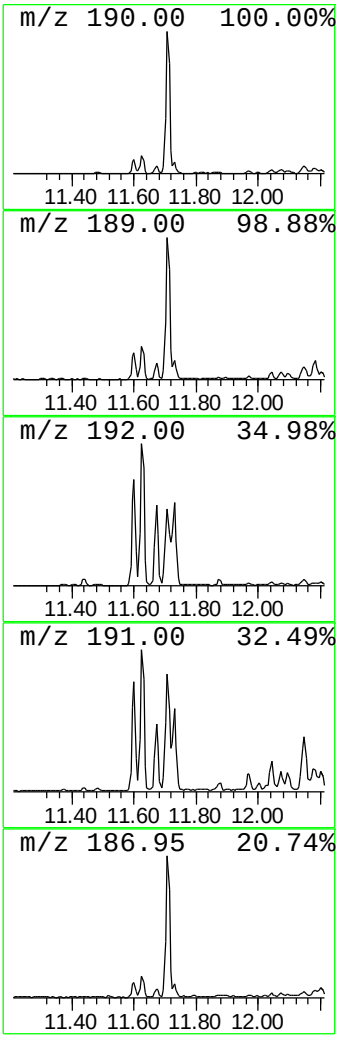
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	7.11 ng	822878	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	25





Library Search Compound Report

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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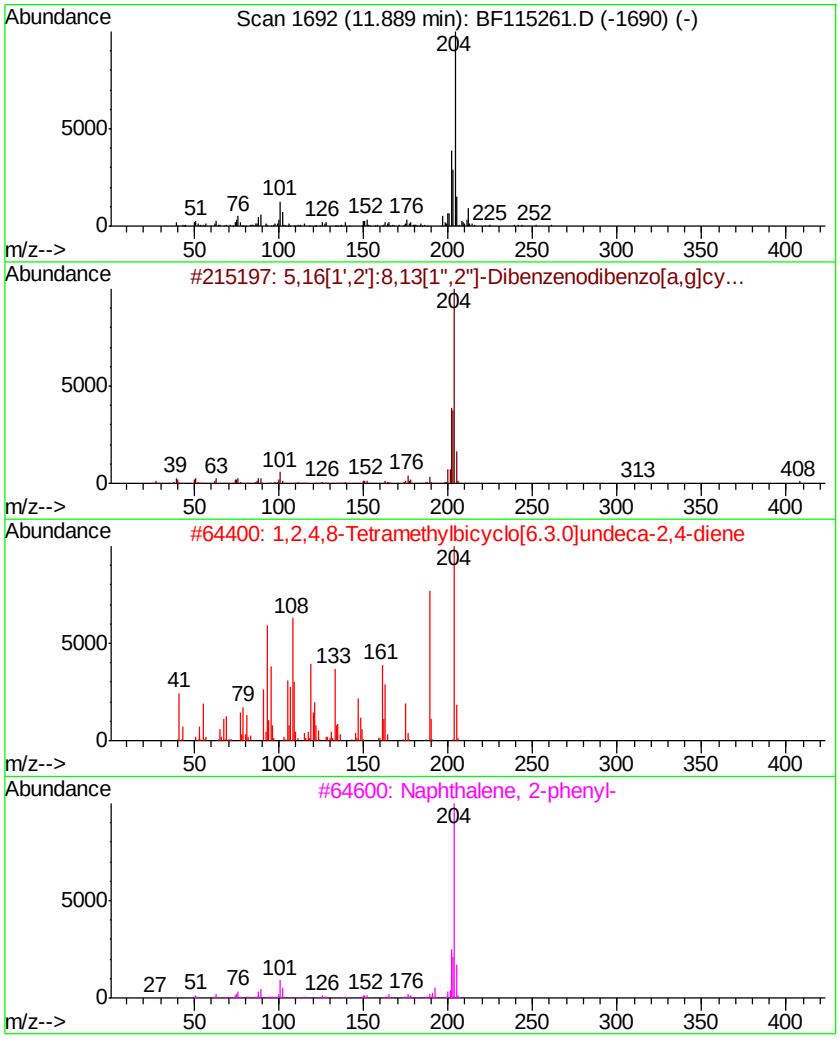
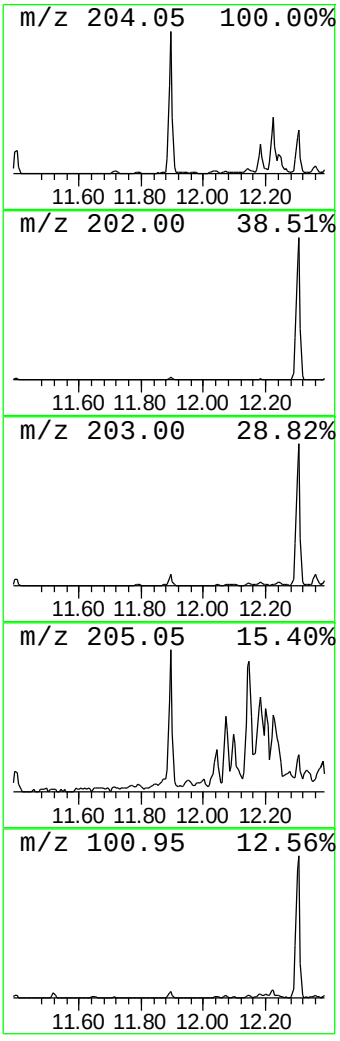
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.12 ng	245515	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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ClientSampleId : OR-03-062619-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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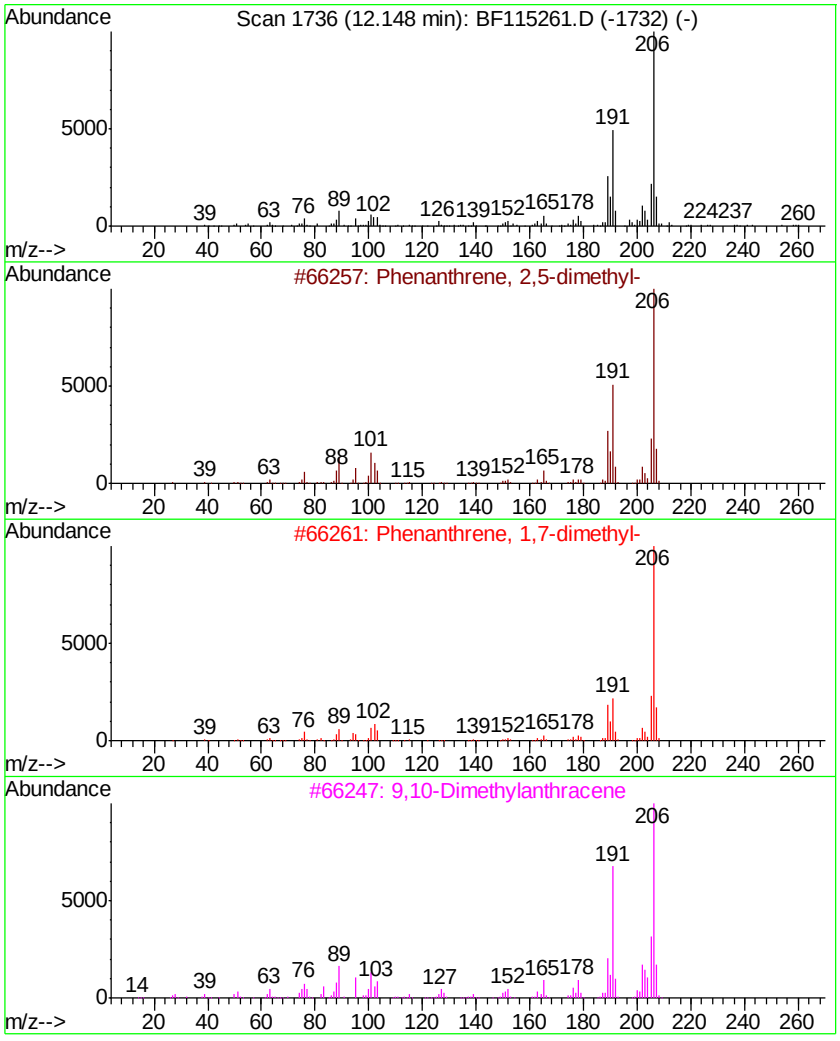
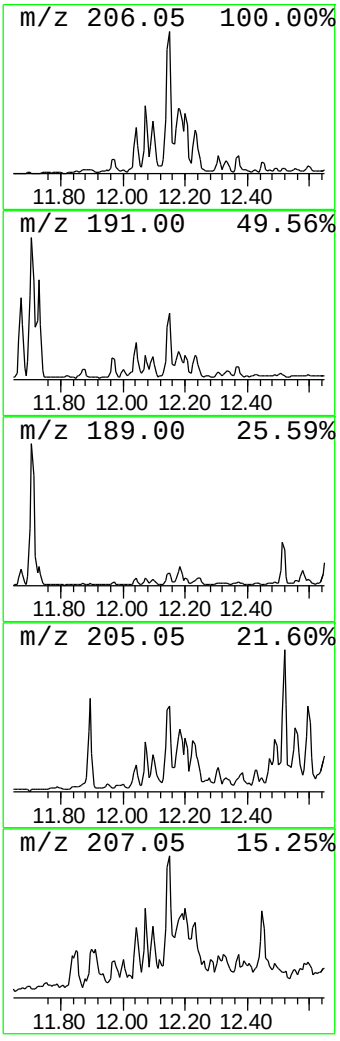
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	2.43 ng	281305	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	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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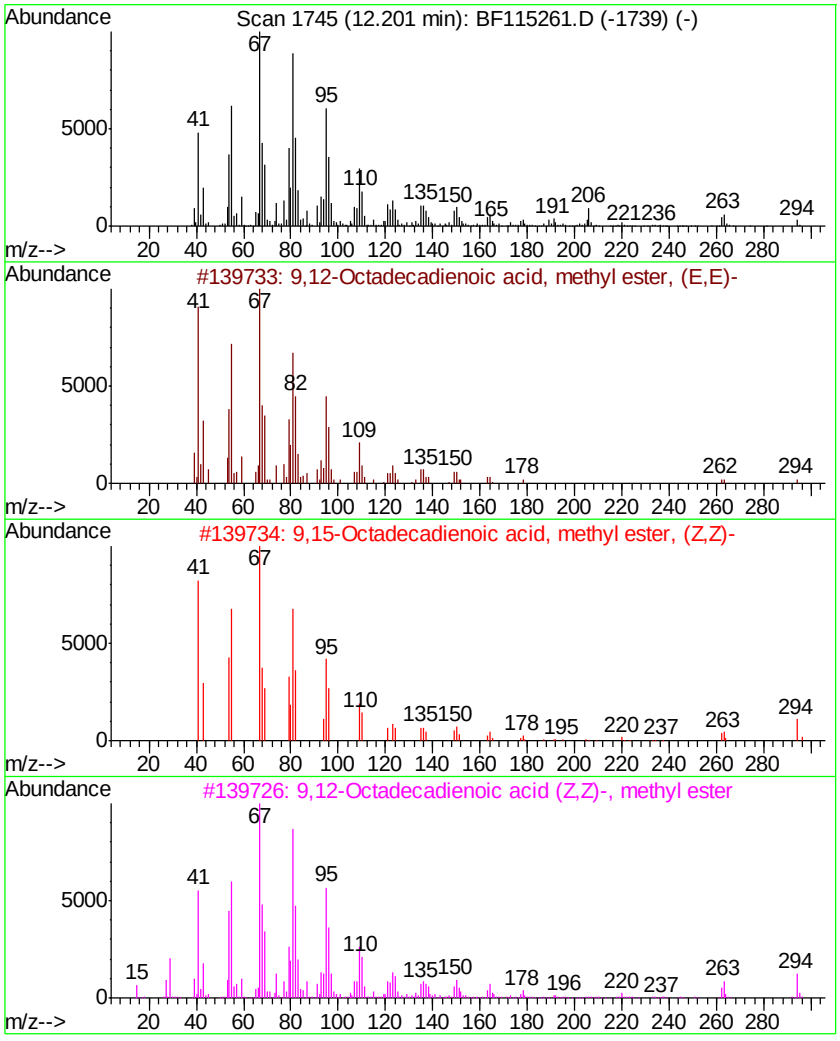
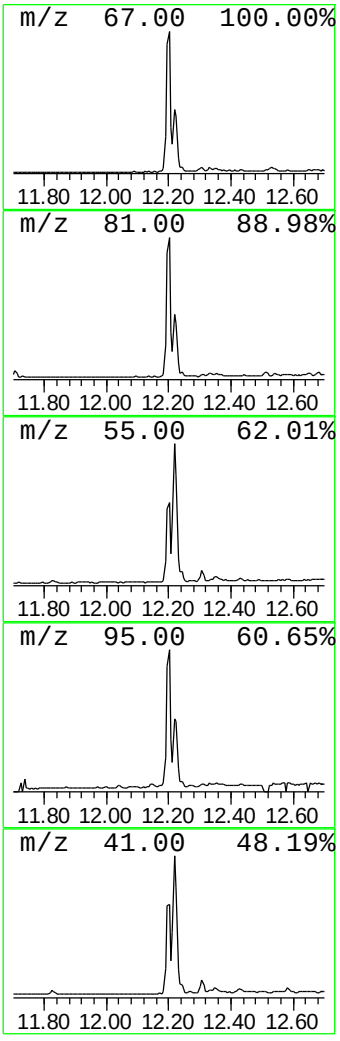
Peak Number 12 9,12-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	14.62 ng	1692780	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
5	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99





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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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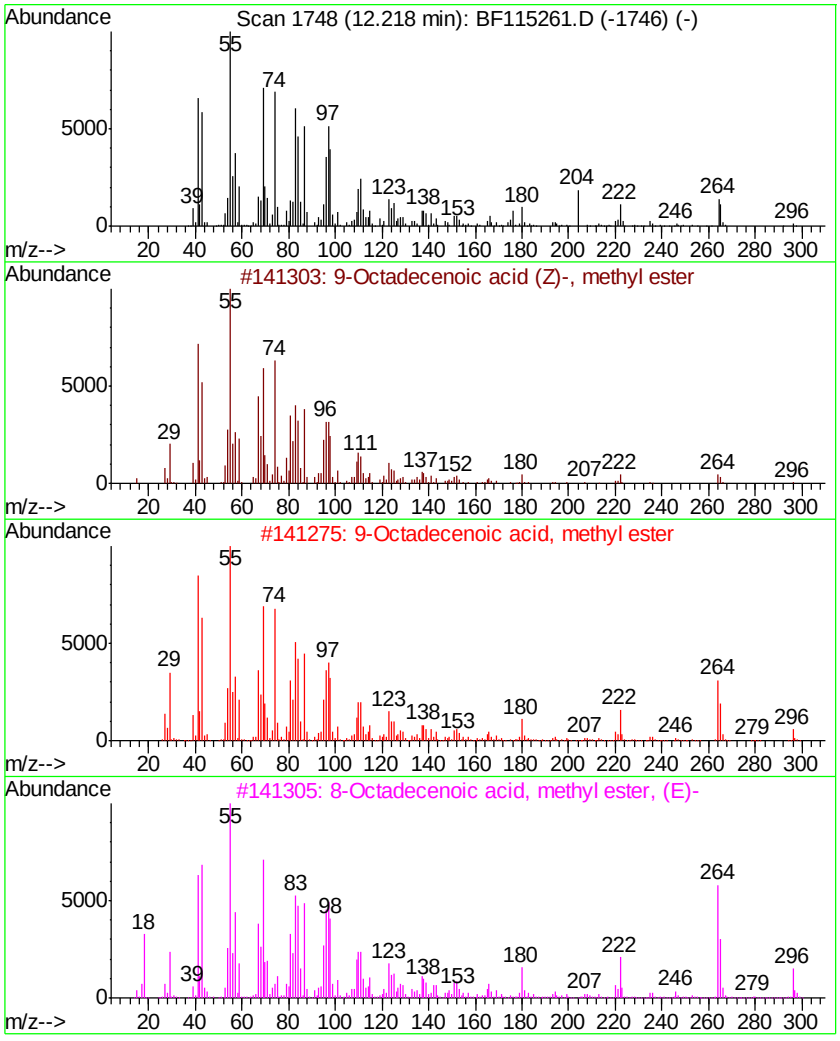
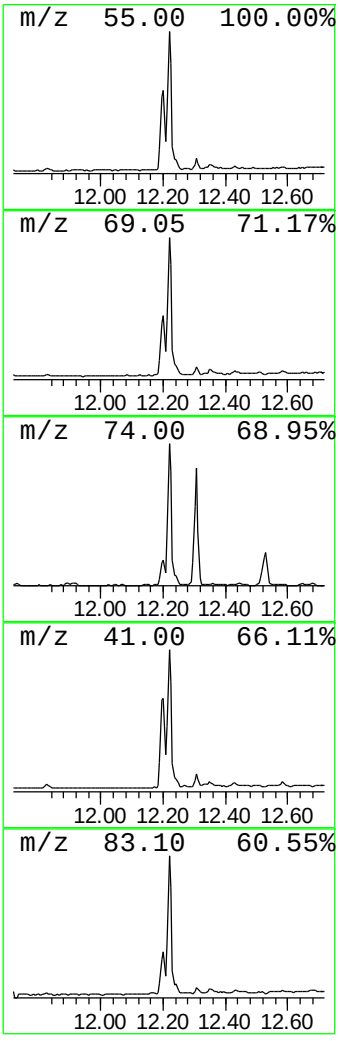
Peak Number 13 9-Octadecenoic acid (Z)-, m... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	19.55 ng	2262770	Phenanthrene-d10	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	95
2	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	94
3	8-Octadecenoic acid, methyl este...	296	C19H36O2	026528-50-7	94
4	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	94
5	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	93





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Misc :
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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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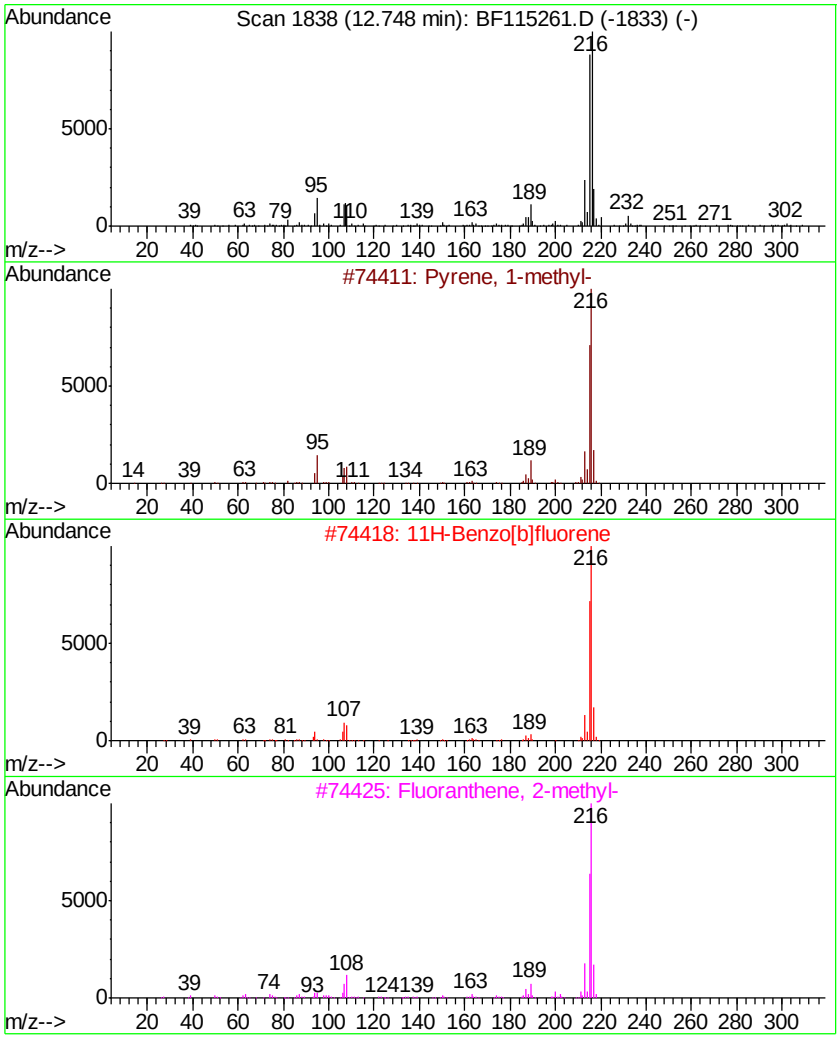
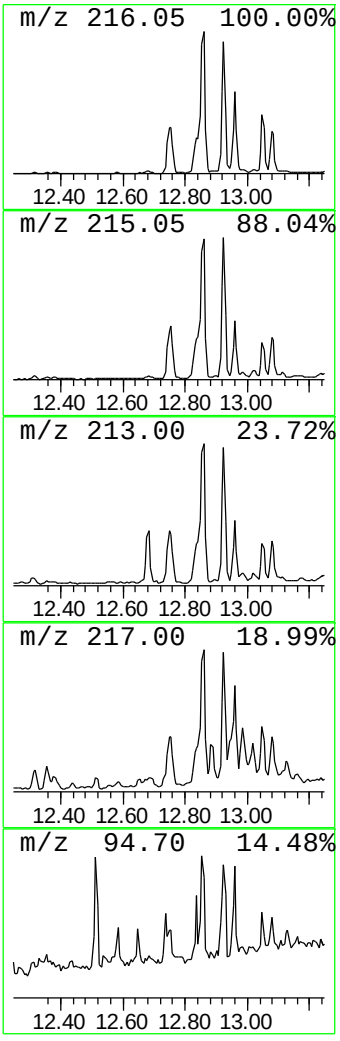
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	2.12 ng	414898	Chrysene-d12	13.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	78
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	58





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Misc :
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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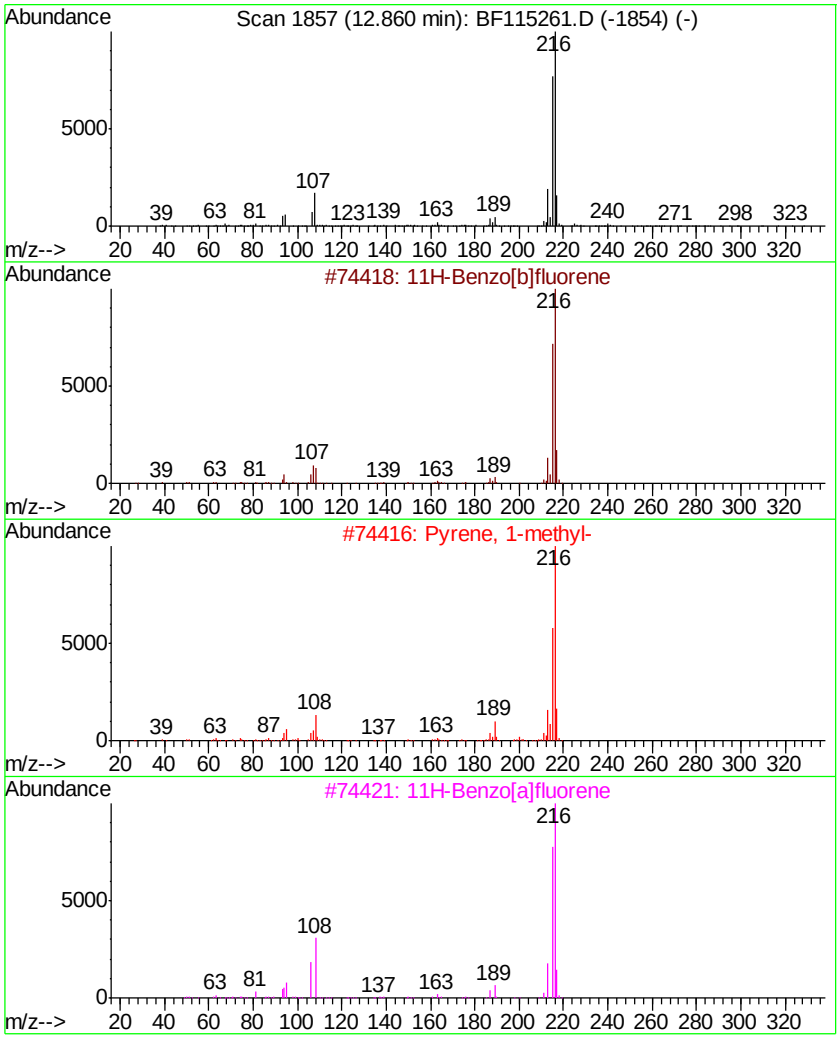
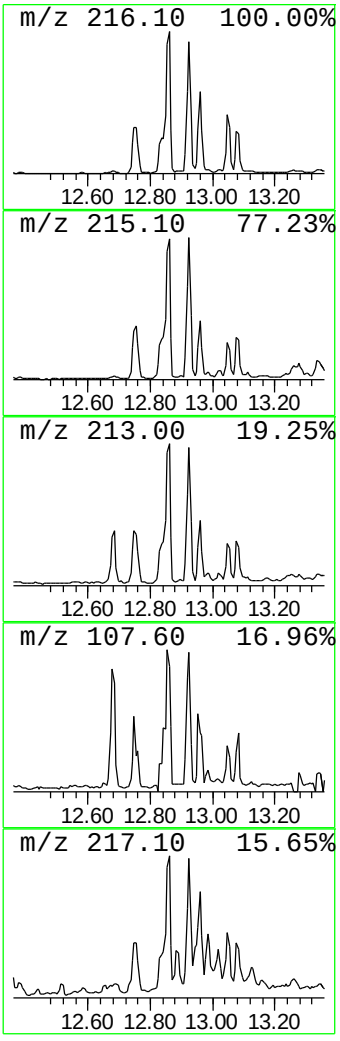
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	2.95 ng	579207	Chrysene-d12	13.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59





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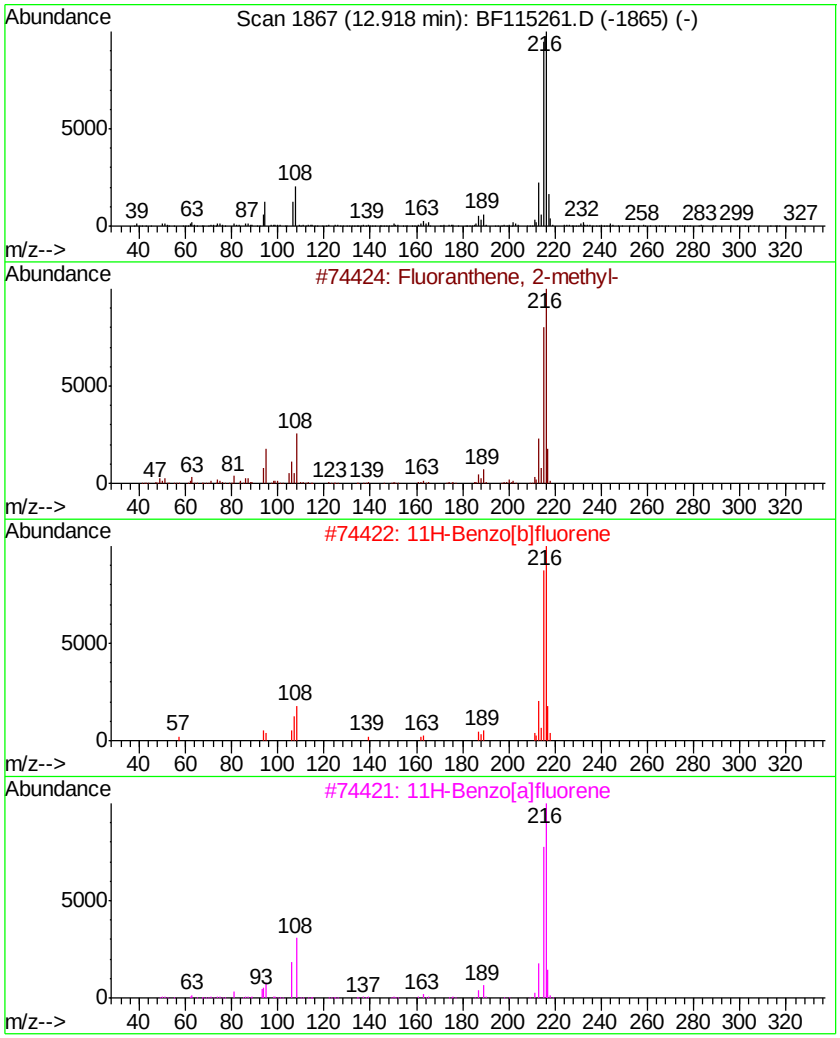
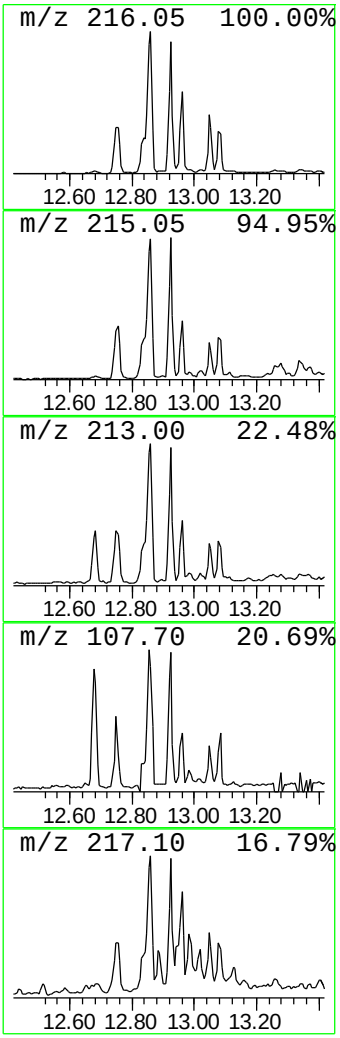
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	2.62 ng	513325	Chrysene-d12	13.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	58





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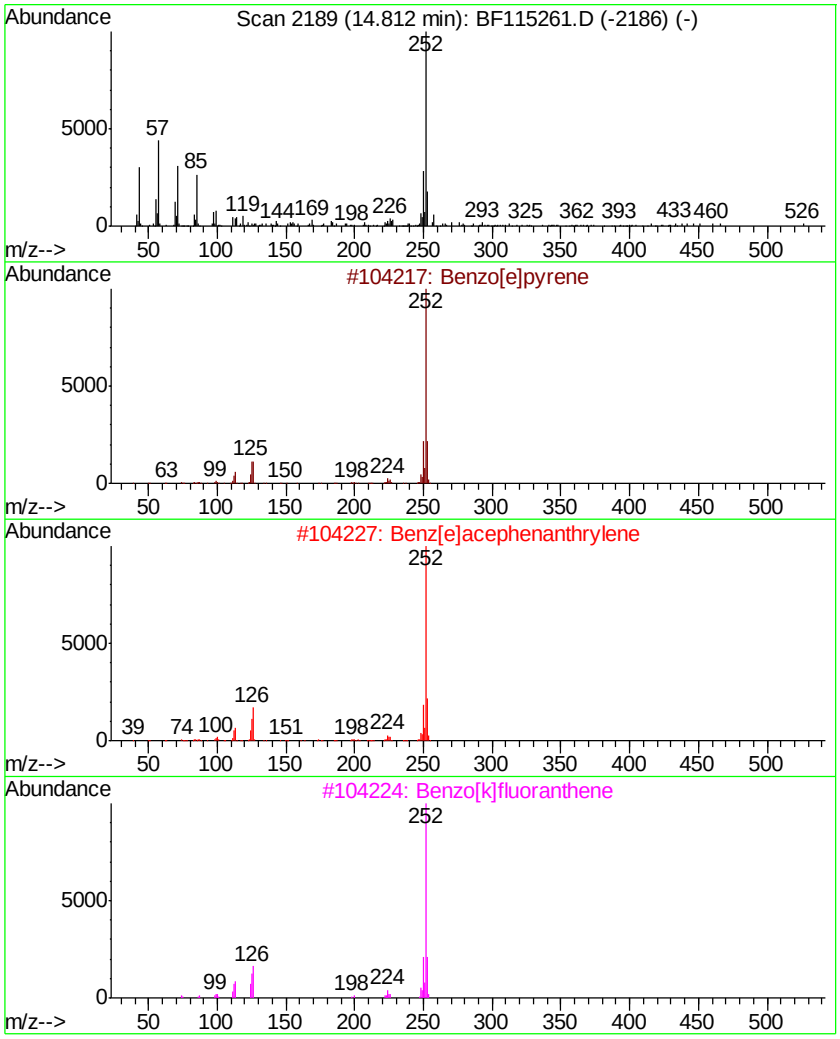
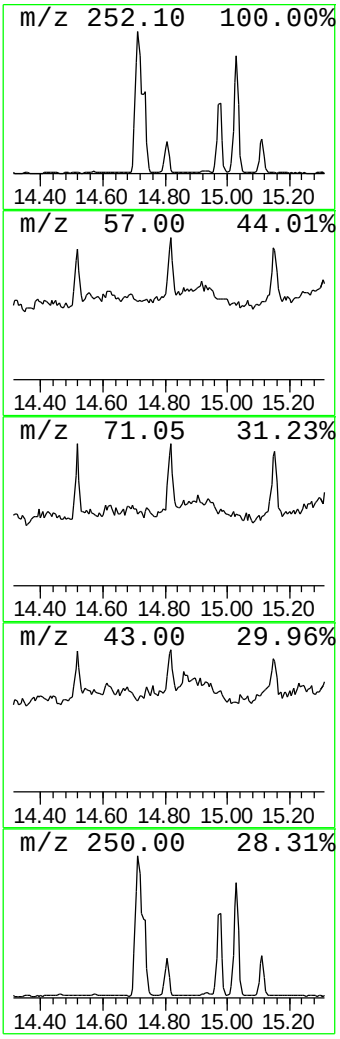
Peak Number 17 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	5.03 ng	328083	Perylene-d12	15.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4	Benzo[a]pyrene	252	C20H12	000050-32-8	89
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





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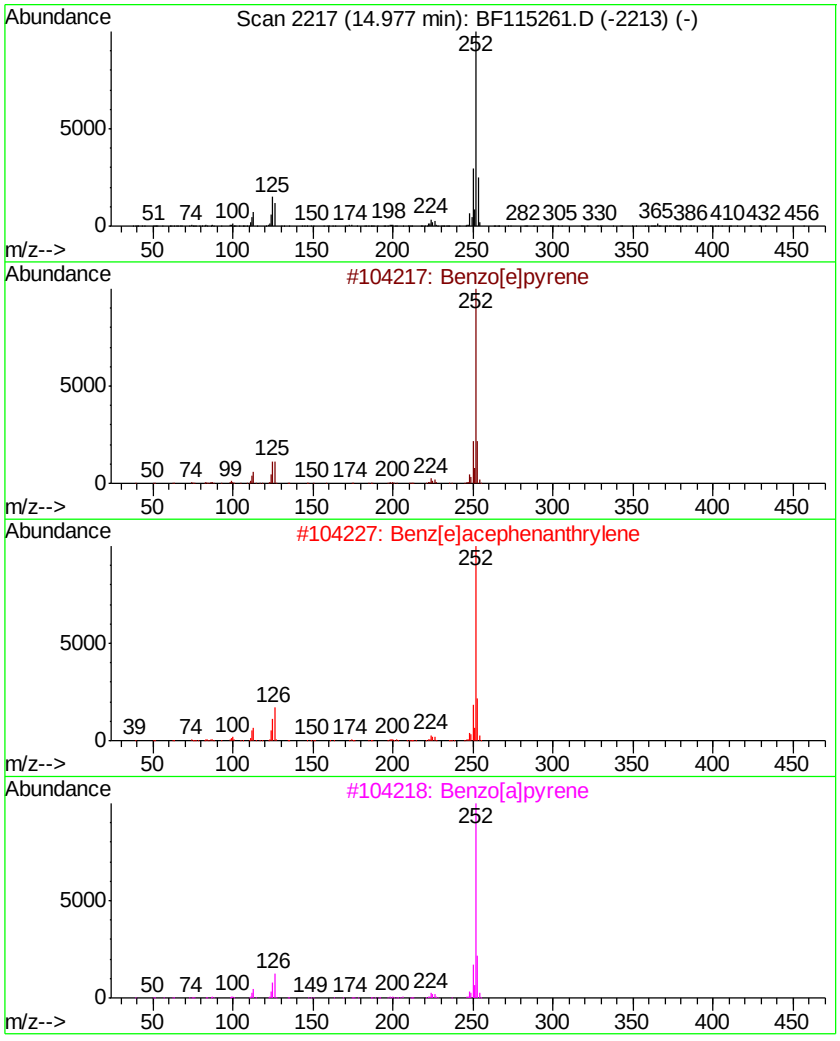
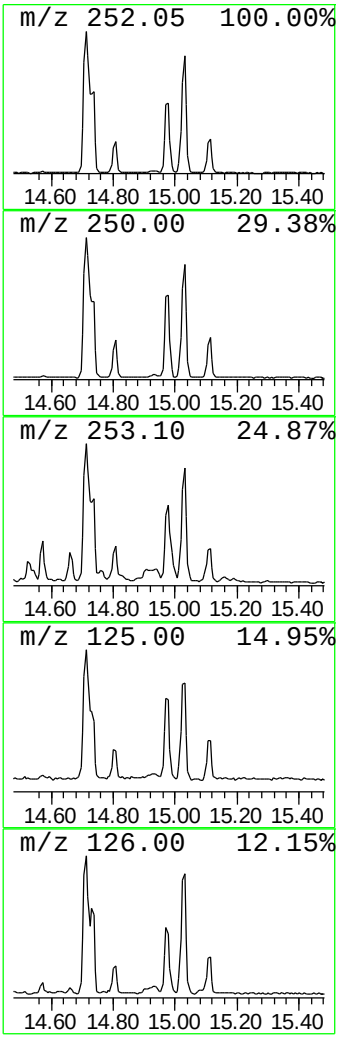
Peak Number 18 unknown14.98 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	13.18 ng	859608	Perylene-d12	15.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062719\
Data File : BF115261.D
Acq On : 28 Jun 2019 3:34
Operator : HP/JU
Sample : K3159-09 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-062619-A

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
unknown6.37	6.37	37.4	ng	2413880	1	6.60	1290780	20.0
Naphtho[2,1-d]imi...	9.83	2.0	ng	207082	3	9.62	2019150	20.0
2-Azetidinone, 3,...	10.17	3.9	ng	388451	3	9.62	2019150	20.0
Hexadecanoic acid...	11.52	4.6	ng	535914	4	11.10	2315310	20.0
Anthracene, 1-met...	11.60	3.2	ng	373459	4	11.10	2315310	20.0
Phenanthrene, 2-m...	11.62	3.5	ng	410564	4	11.10	2315310	20.0
Anthracene, 9-met...	11.67	2.0	ng	236381	4	11.10	2315310	20.0
4H-Cyclopenta[def...	11.71	7.1	ng	822878	4	11.10	2315310	20.0
5,16[1',2']:8,13[...	11.89	2.1	ng	245515	4	11.10	2315310	20.0
Phenanthrene, 2,5...	12.15	2.4	ng	281305	4	11.10	2315310	20.0
9,12-Octadecadien...	12.20	14.6	ng	1692780	4	11.10	2315310	20.0
9-Octadecenoic ac...	12.22	19.6	ng	2262770	4	11.10	2315310	20.0
Pyrene, 1-methyl-	12.75	2.1	ng	414898	5	13.72	3920640	20.0
11H-Benzo[b]fluorene	12.86	3.0	ng	579207	5	13.72	3920640	20.0
Fluoranthene, 2-m...	12.92	2.6	ng	513325	5	13.72	3920640	20.0
Benzo[e]pyrene	14.81	5.0	ng	328083	6	15.08	1304190	20.0
unknown14.98	14.98	13.2	ng	859608	6	15.08	1304190	20.0