LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107861.D
Acq On : 31 Jul 2018 20:34
Operator : JU/SJ
Sample : J4231-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-3

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-BF073018.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	5.196	482	486	498	rBV	481901	637647	15.05%	1.217%
2	5.601	551	555	574	rBV	2082151	3139799	74.10%	5.995%
3	6.490	701	706	716	rVB3	37376	59200	1.40%	0.113%
4	6.601	722	725	744	rBV	2266007	3465309	81.78%	6.616%
5	6.737	744	748	774	rVB	3024834	3832188	90.44%	7.317%
6	6.960	783	786	802	rBV	605907	982817	23.19%	1.877%
7	7.113	809	812	828	rBV	2439264	2809973	66.31%	5.365%
8	7.525	879	882	906	rBV	1337505	2342434	55.28%	4.472%
9	8.242	1000	1004	1022	rBV2	1050905	1593361	37.60%	3.042%
10	8.960	1122	1126	1132	rBV3	26146	51372	1.21%	0.098%
11	9.054	1138	1142	1148	rBV	73514	82582	1.95%	0.158%
12	9.313	1182	1186	1201	rVV	3712208	4237449	100.00%	8.091%
13	9.419	1201	1204	1214	rVV2	95380	231161	5.46%	0.441%
14	9.513	1217	1220	1226	rVV	42659	76854	1.81%	0.147%
15	9.583	1228	1232	1236	rVV	43182	68104	1.61%	0.130%
16	9.654	1240	1244	1247	rVV	74590	83803	1.98%	0.160%
17	9.707	1247	1253	1261	rVB	248889	302332	7.13%	0.577%
18	9.860	1276	1279	1284	rBV	97613	122611	2.89%	0.234%
19	9.978	1296	1299	1300	rBV2	46032	46007	1.09%	0.088%
20	10.001	1300	1303	1306	rVV	1431811	1393137	32.88%	2.660%
21	10.030	1306	1308	1317	rVV	981971	1055254	24.90%	2.015%
22	10.095	1317	1319	1324	rVB2	28643	51076	1.21%	0.098%
23	10.195	1333	1336	1340	rBV2	40576	59201	1.40%	0.113%
24	10.236	1340	1343	1348	rVB3	43171	52830	1.25%	0.101%
25	10.313	1352	1356	1359	rBV2	52912	69674	1.64%	0.133%
26	10.401	1367	1371	1374	rBV2	52491	61745	1.46%	0.118%
27	10.554	1393	1397	1403	rBV	262725	348500	8.22%	0.665%
28	10.630	1408	1410	1413	rVB2	49198	45116	1.06%	0.086%
29	10.795	1432	1438	1451	rBV	1899147	2534916	59.82%	4.840%
30	11.101	1485	1490	1493	rBV4	57015	71883	1.70%	0.137%
31	11.301	1521	1524	1527	rBV2	63952	68506	1.62%	0.131%
32	11.395	1536	1540	1549	rVB	131300	200510	4.73%	0.383%
33	11.472	1550	1553	1554	rBV	68352	51127	1.21%	0.098%
34	11.495	1554	1557	1559	rVV	1040527	1101690	26.00%	2.103%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
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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-BF073018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.525	1559	1562	1568	rVV	1939107	2348409	55.42%	4.484%
36	11.577	1568	1571	1590	rVB	555743	961618	22.69%	1.836%
37	11.783	1604	1606	1611	rVV2	90691	82799	1.95%	0.158%
38	11.830	1611	1614	1622	rVB2	44468	72055	1.70%	0.138%
39	12.001	1639	1643	1645	rBV	226399	250222	5.91%	0.478%
40	12.030	1645	1648	1653	rVB2	173450	191244	4.51%	0.365%
41	12.077	1653	1656	1658	rVB	60461	50605	1.19%	0.097%
42	12.113	1658	1662	1665	rBV	383270	434657	10.26%	0.830%
43	12.295	1690	1693	1699	rBV	186127	251582	5.94%	0.480%
44	12.495	1725	1727	1732	rVB	115019	106882	2.52%	0.204%
45	12.548	1733	1736	1739	rBV2	95446	106280	2.51%	0.203%
46	12.713	1761	1764	1774	rBV	1424864	1747458	41.24%	3.336%
47	12.813	1778	1781	1788	rVB	219643	258051	6.09%	0.493%
48	12.948	1797	1804	1810	rBV	1774329	2040722	48.16%	3.896%
49	13.077	1822	1826	1837	rBV	2753273	3108308	73.35%	5.935%
50	13.166	1837	1841	1847	rVB3	83791	153894	3.63%	0.294%
51	13.254	1853	1856	1857	rBV2	73045	75582	1.78%	0.144%
52	13.271	1857	1859	1866	rVB2	168768	226250	5.34%	0.432%
53	13.342	1868	1871	1874	rVV	175048	209396	4.94%	0.400%
54	13.371	1874	1876	1885	rVB2	132613	215653	5.09%	0.412%
55	13.471	1891	1893	1896	rBV2	69522	74514	1.76%	0.142%
56	13.507	1896	1899	1907	rVB	99621	165487	3.91%	0.316%
57	13.624	1917	1919	1922	rBV2	57301	58815	1.39%	0.112%
58	13.924	1968	1970	1972	rBV	76474	63365	1.50%	0.121%
59	13.954	1972	1975	1981	rVB2	209259	257935	6.09%	0.492%
60	14.095	1996	1999	2003	rVB	1737089	1489157	35.14%	2.843%
61	14.148	2003	2008	2011	rBV2	1265185	1906614	44.99%	3.640%
62	14.177	2011	2013	2024	rVB	660583	784131	18.50%	1.497%
63	14.254	2024	2026	2027	rBV	66207	49475	1.17%	0.094%
64	15.230	2188	2192	2194	rBV	410499	609983	14.40%	1.165%
65	15.554	2243	2247	2253	rBV	237406	337783	7.97%	0.645%
66	15.618	2254	2258	2262	rVV	385282	642545	15.16%	1.227%
67	15.683	2263	2269	2284	rVB2	670240	1712774	40.42%	3.270%

Sum of corrected areas: 52374413

LSC Report - Integrated Chromatogram

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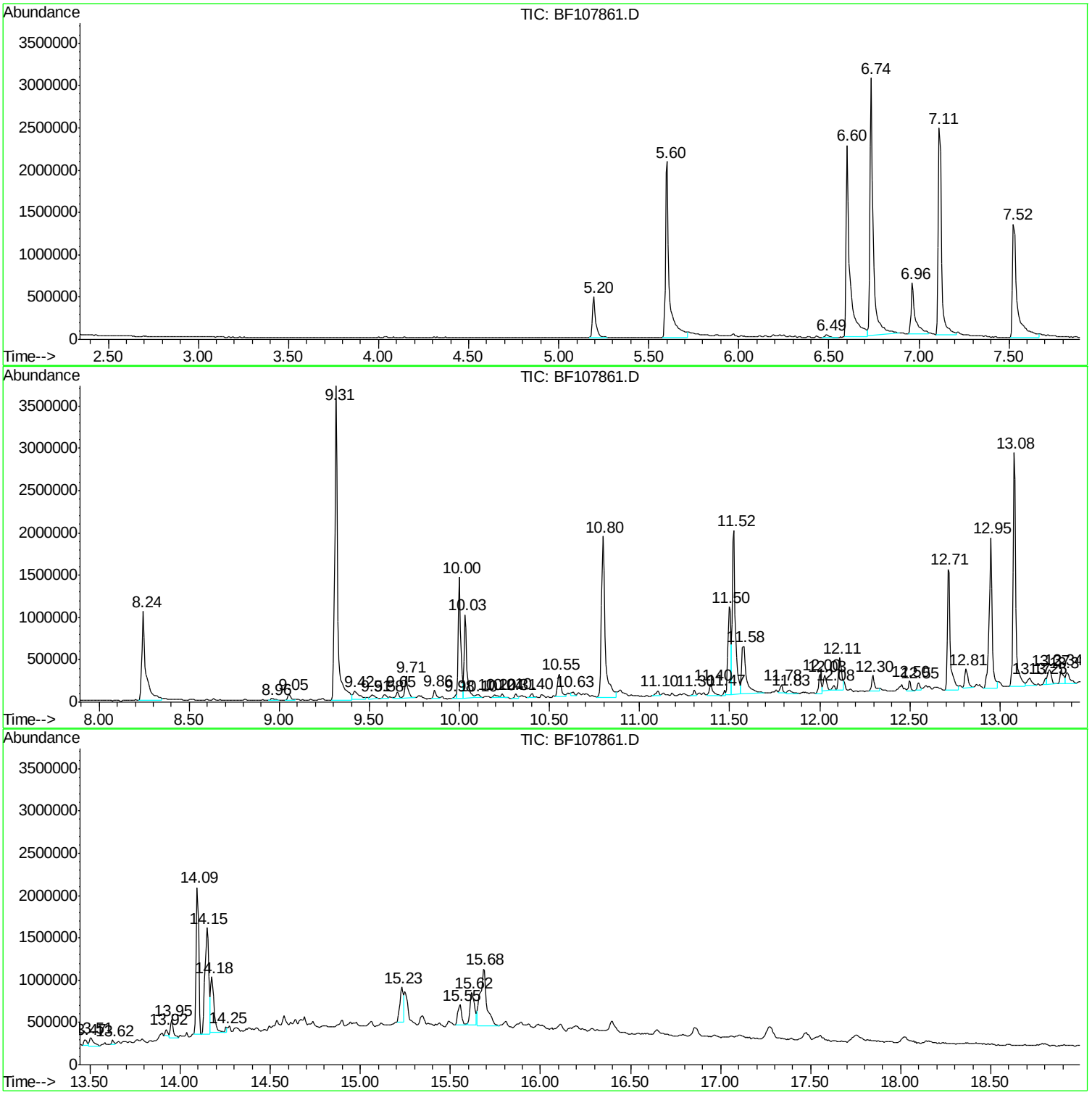
Sample : J4231-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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

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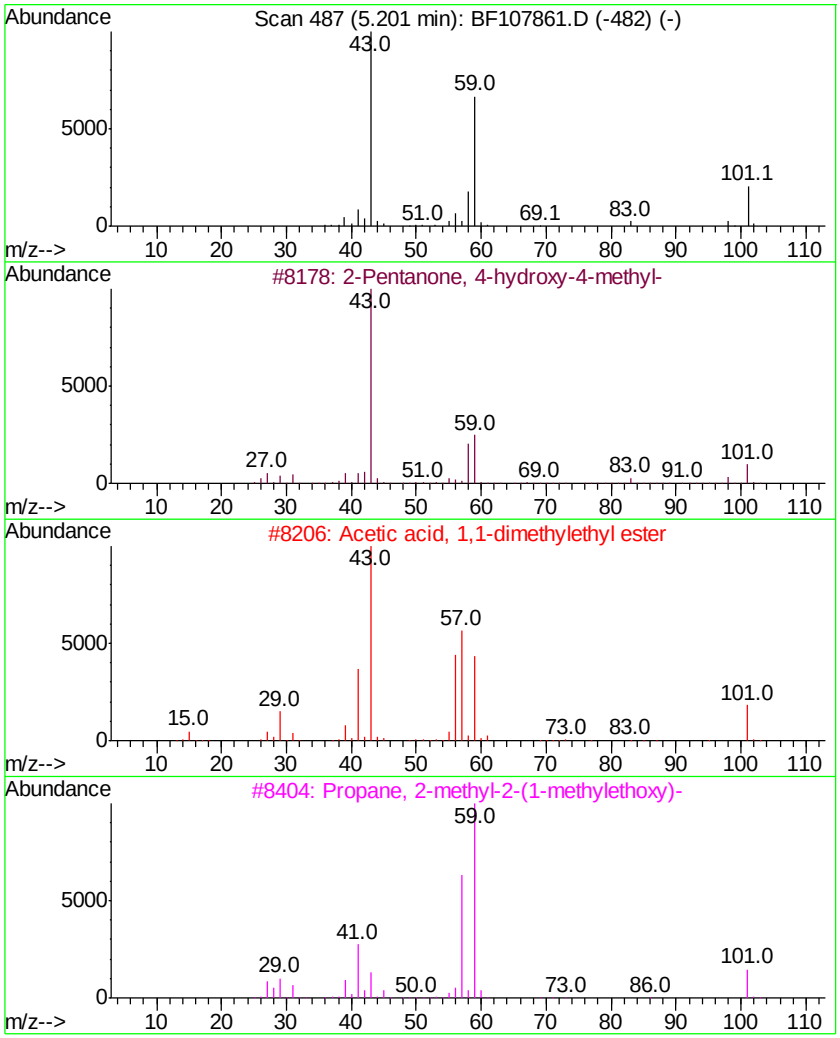
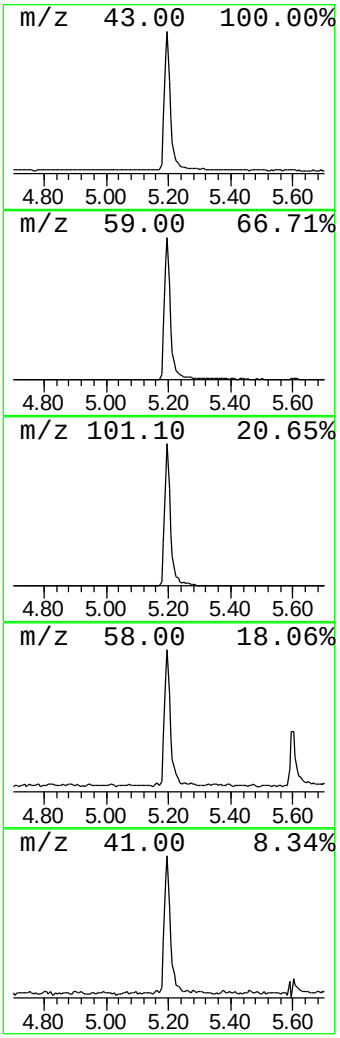
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	12.98 ng	637647	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28





Library Search Compound Report

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Sample : J4231-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
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TIC Library : C:\DATABASE\NIST11.L
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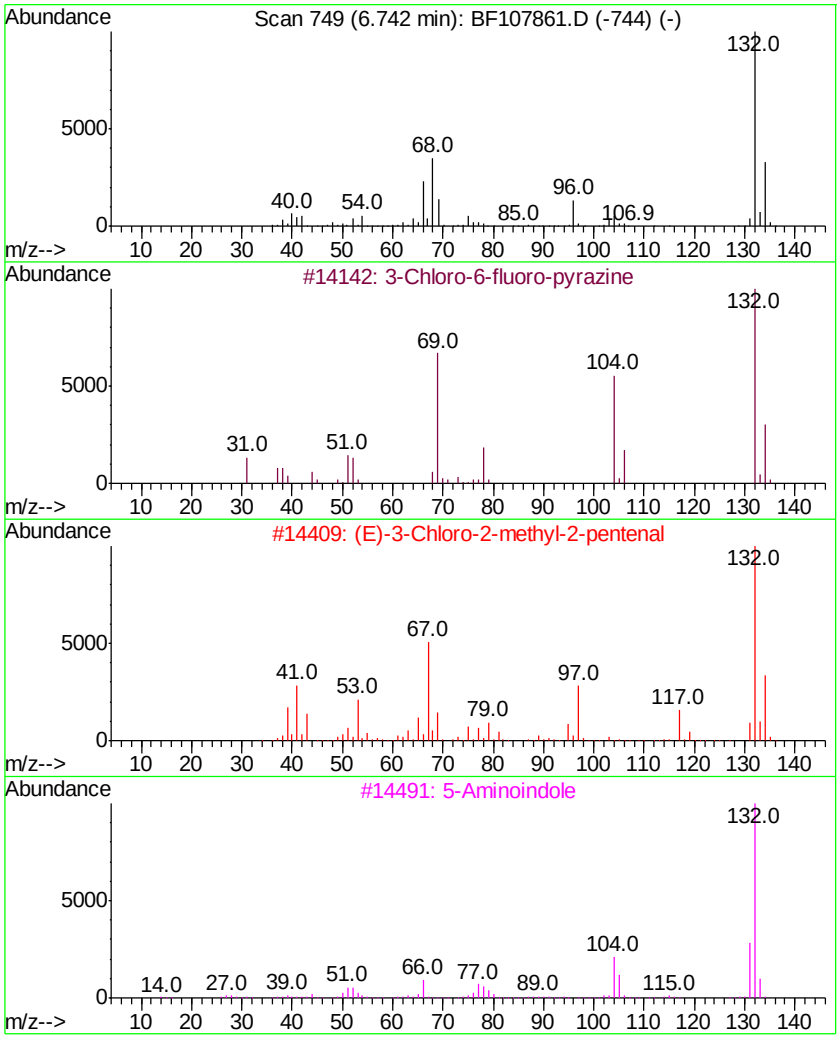
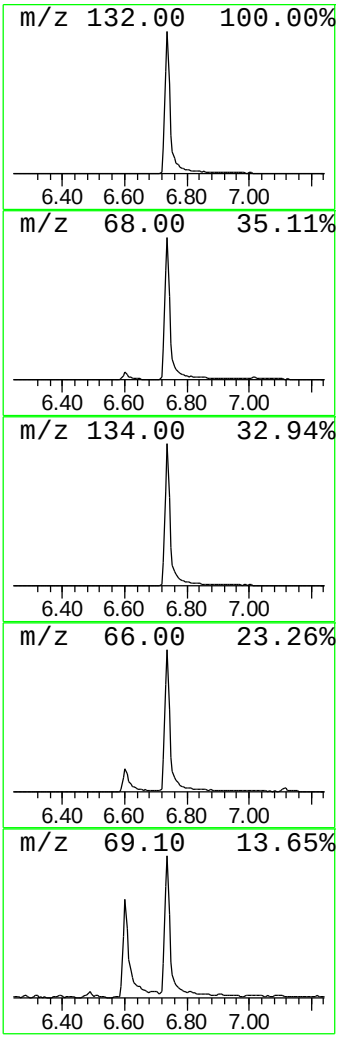
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	77.98 ng	3832190	1,4-Dichlorobenzene-d4	6.96

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	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

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Instrument :
BNA_F
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2018-NYSEG-CLARK-AREA-14-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
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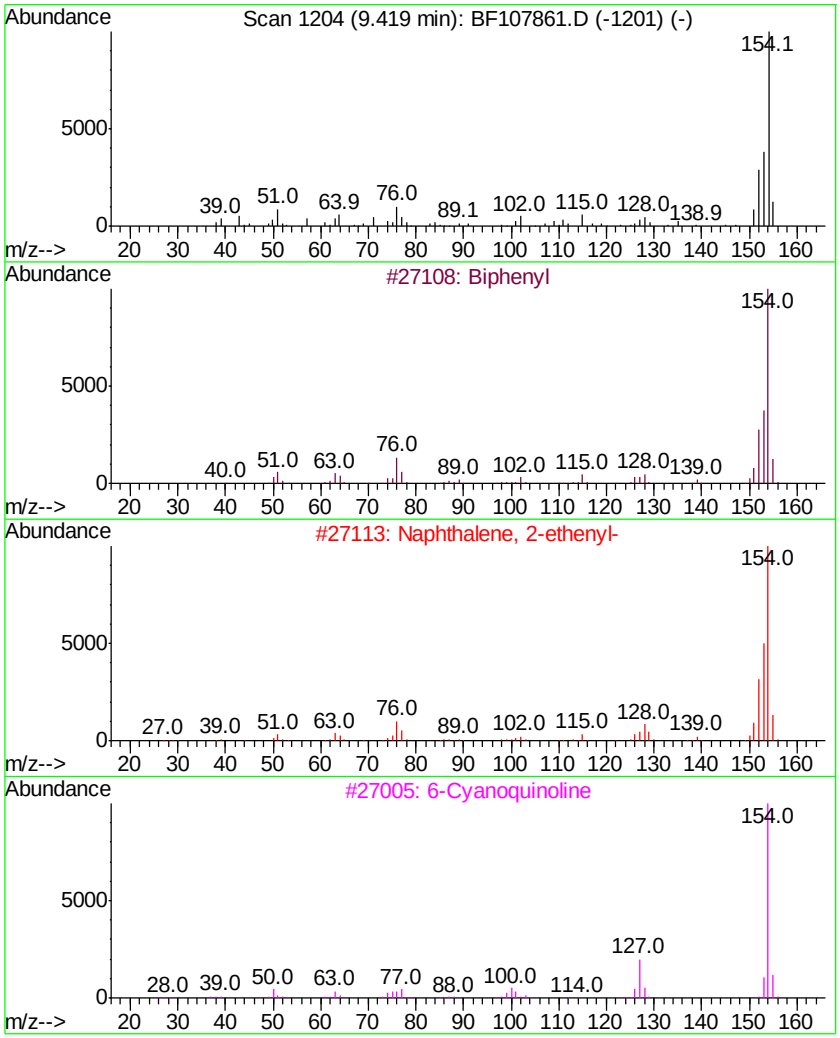
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

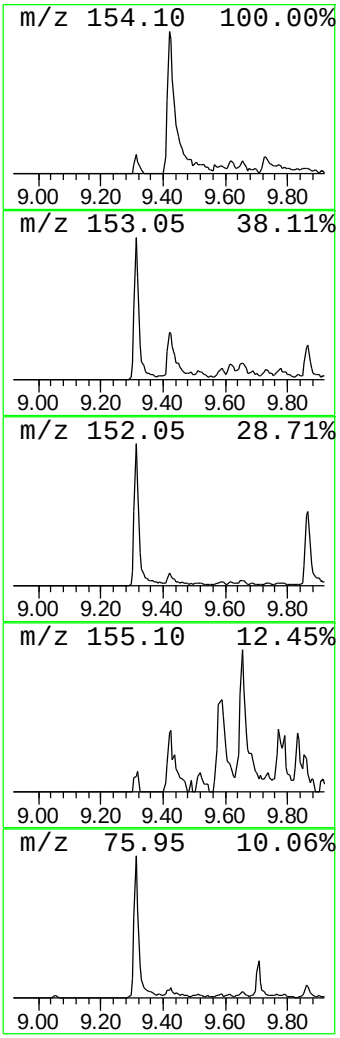
****

Peak Number 4 Biphenyl Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	3.32 ng	231161	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	87
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	72
3	6-Cyanoquinoline	154	C10H6N2	023395-72-4	43
4	Benzoic acid, 3,4-dihydroxy-	154	C7H6O4	000099-50-3	38
5	3-Quinolinecarbonitrile	154	C10H6N2	034846-64-5	38





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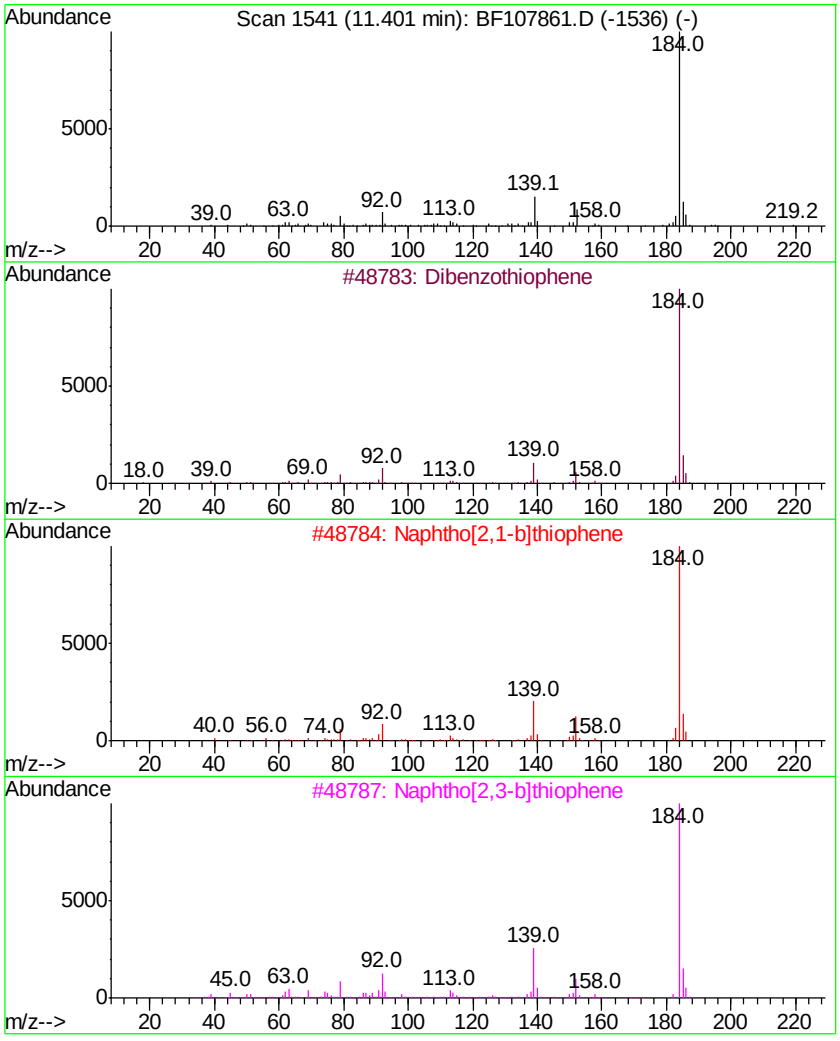
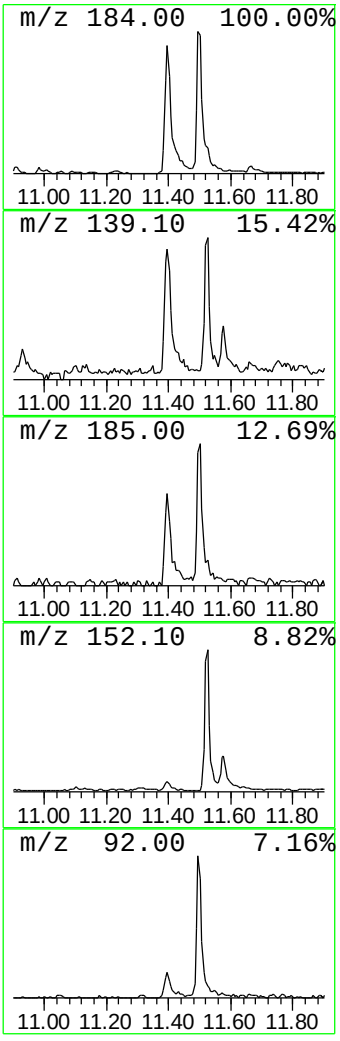
****

Peak Number 5 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	3.64 ng	200510	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	80





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Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-3

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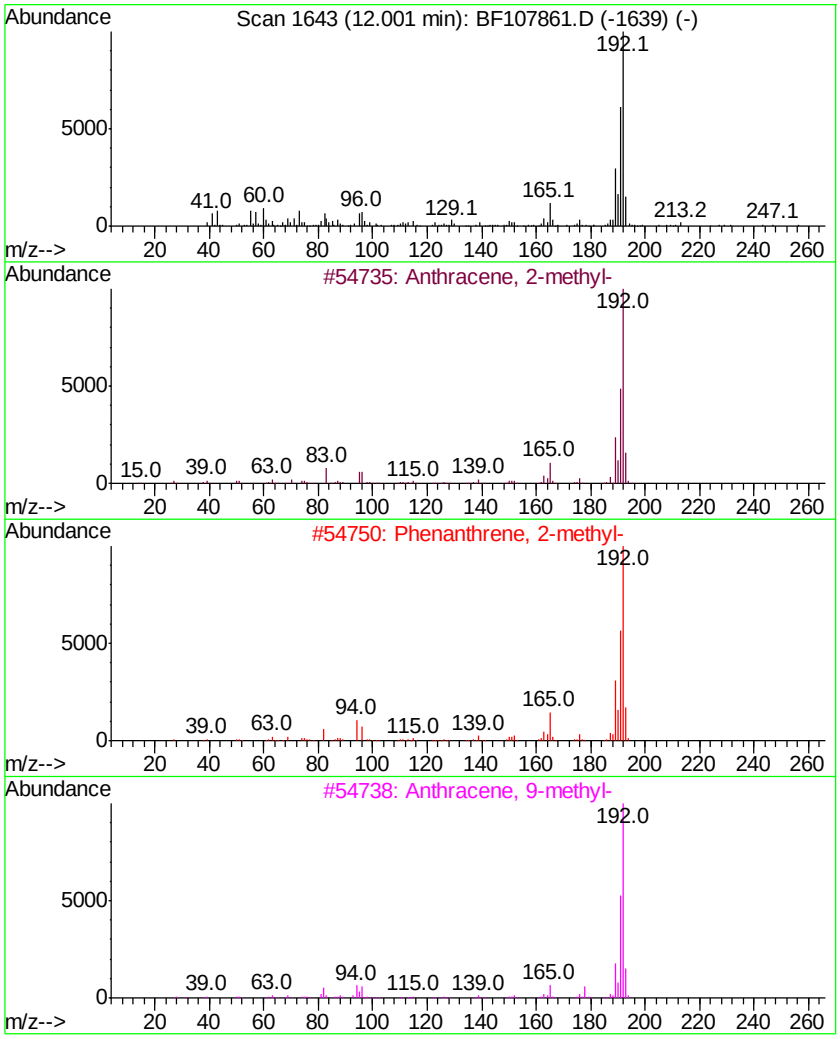
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

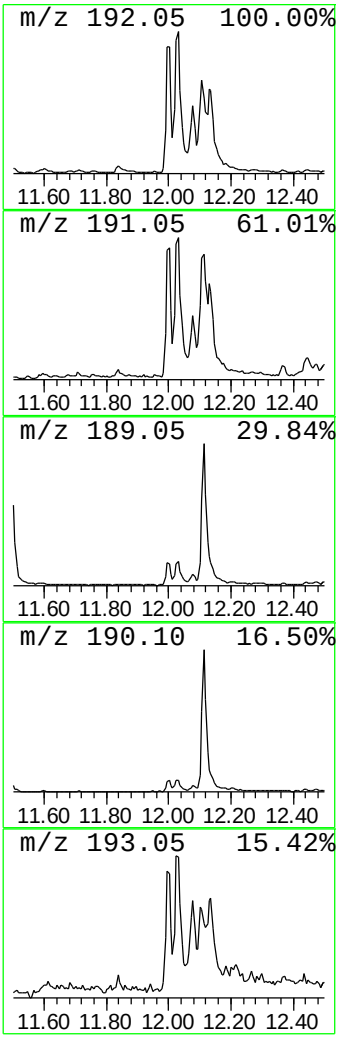
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.54 ng	250222	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

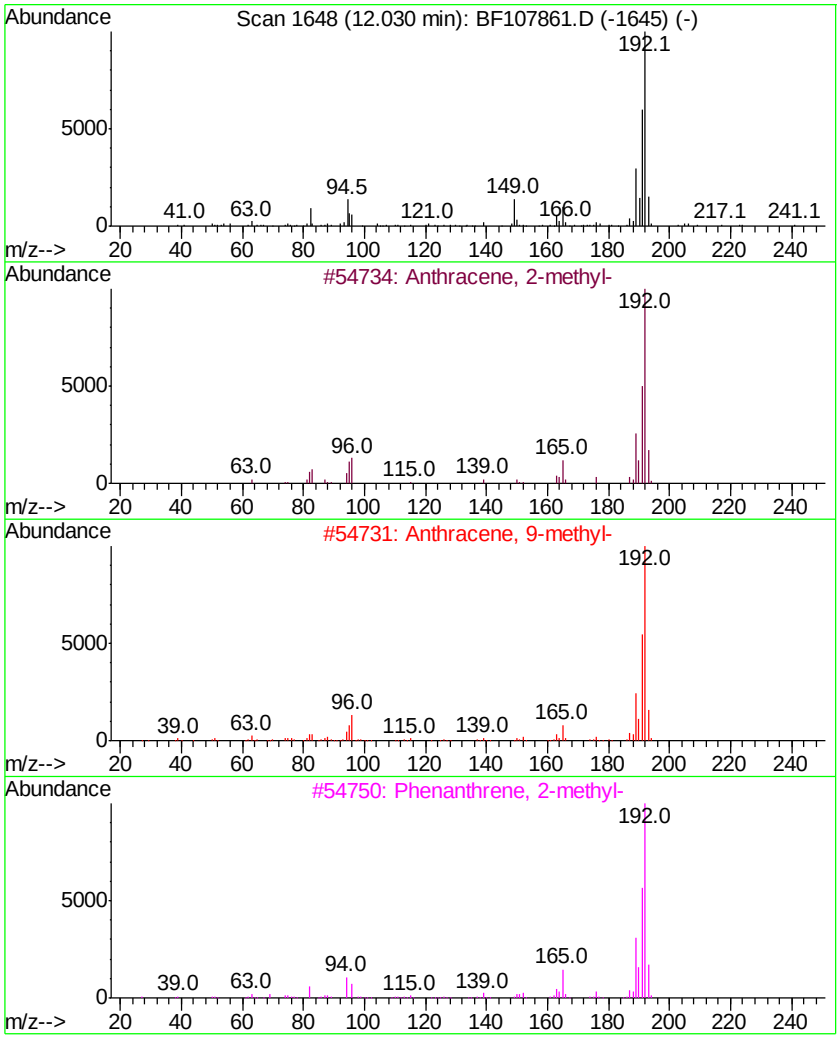
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

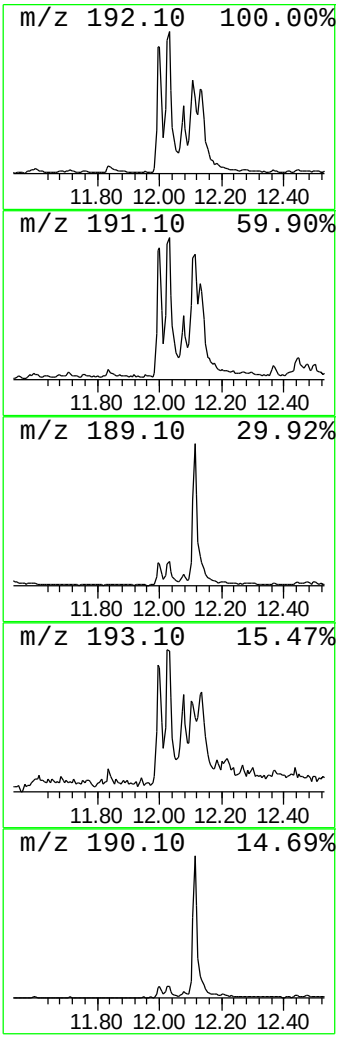
****

Peak Number 7 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.47 ng	191244	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	89
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86





Library Search Compound Report

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Data File : BF107861.D
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Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

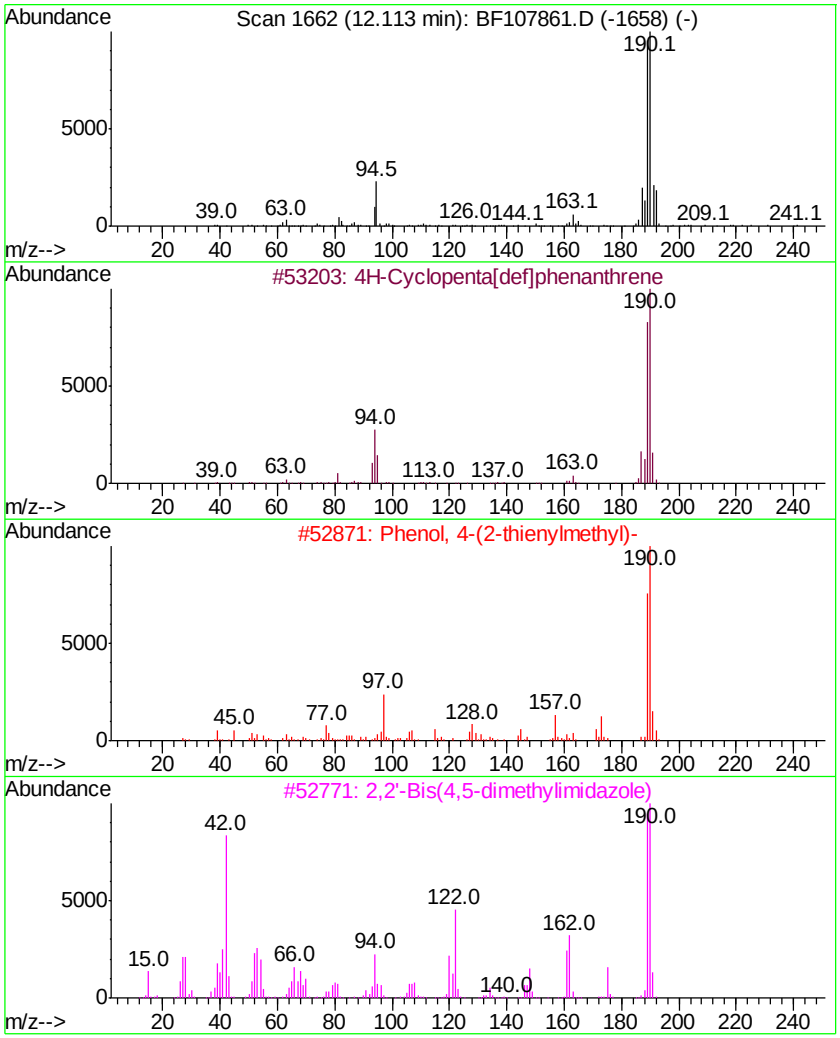
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

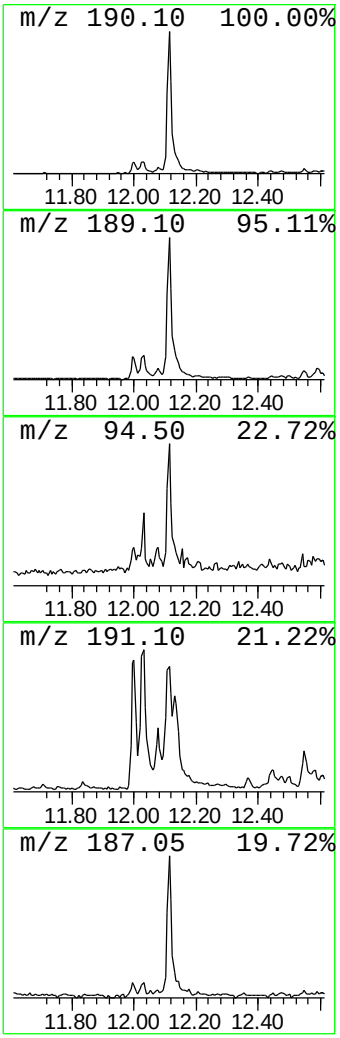
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	7.89 ng	434657	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	96
2	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	23





Library Search Compound Report

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Data File : BF107861.D
Acq On : 31 Jul 2018 20:34
Operator : JU/SJ
Sample : J4231-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

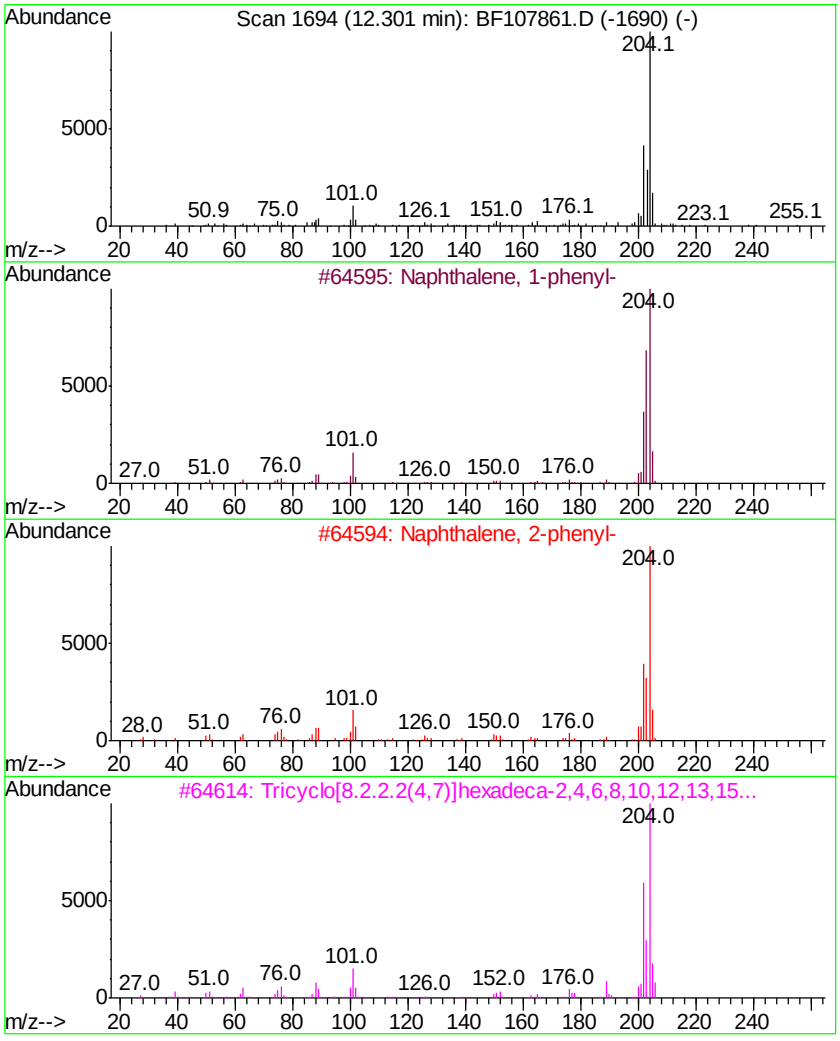
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

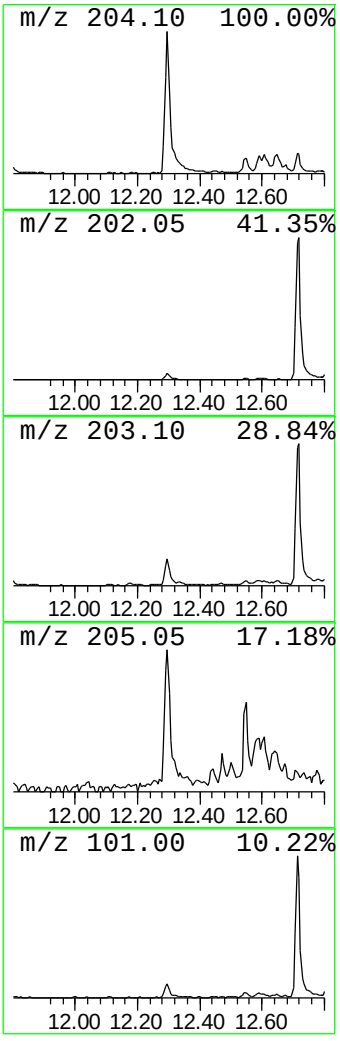
****

Peak Number 9 Naphthalene, 1-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	4.57 ng	251582	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
2018-NYSEG-CLARK-AREA-14-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
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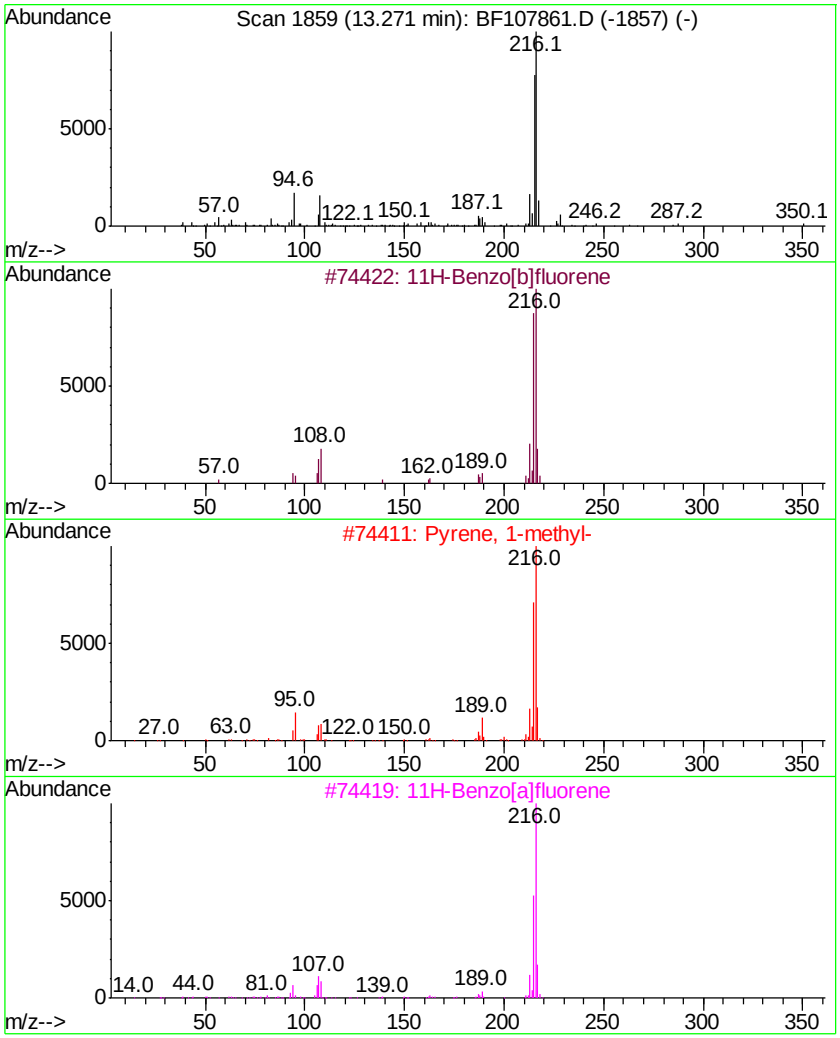
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

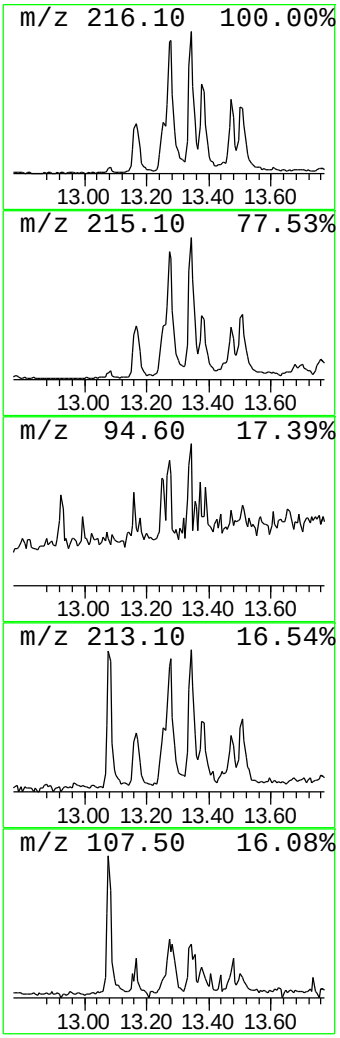
****

Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.37 ng	226250	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	74
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Operator : JU/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-14-3

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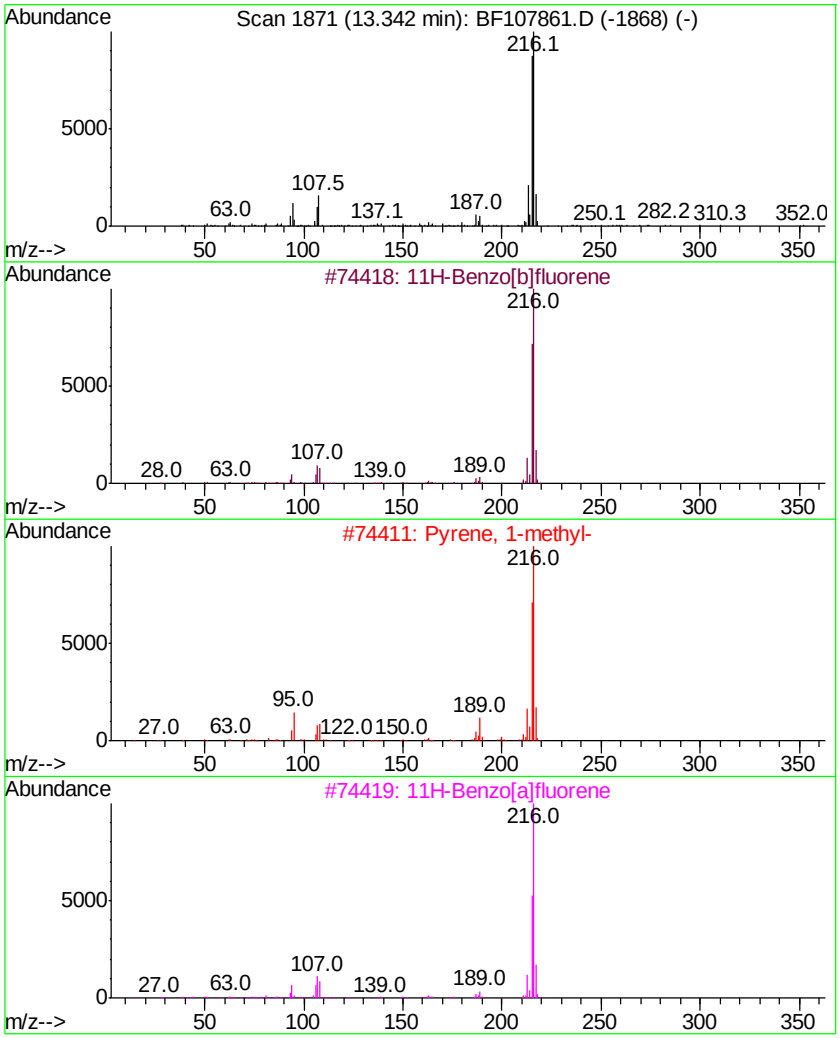
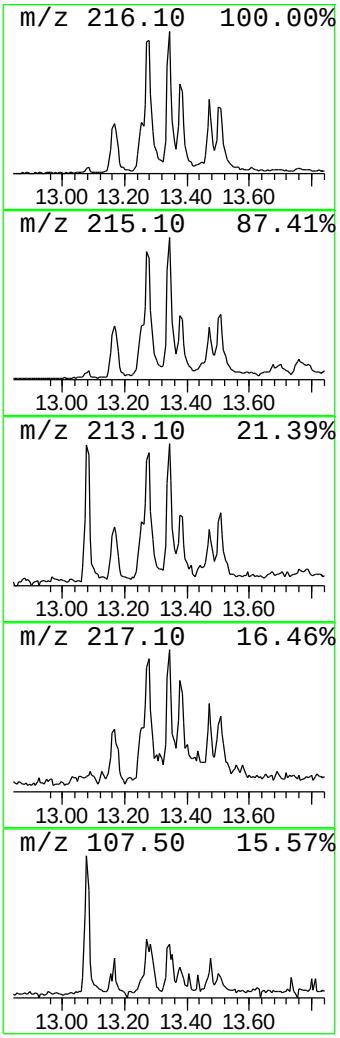
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	2.20 ng	209396	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
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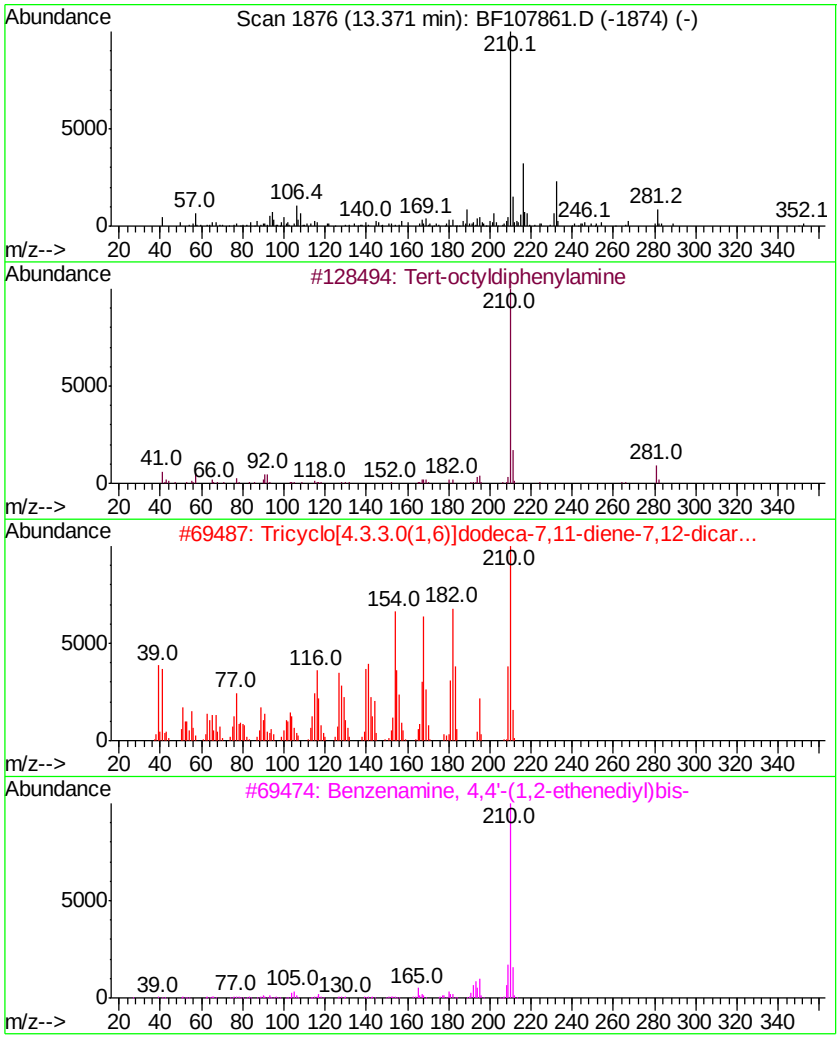
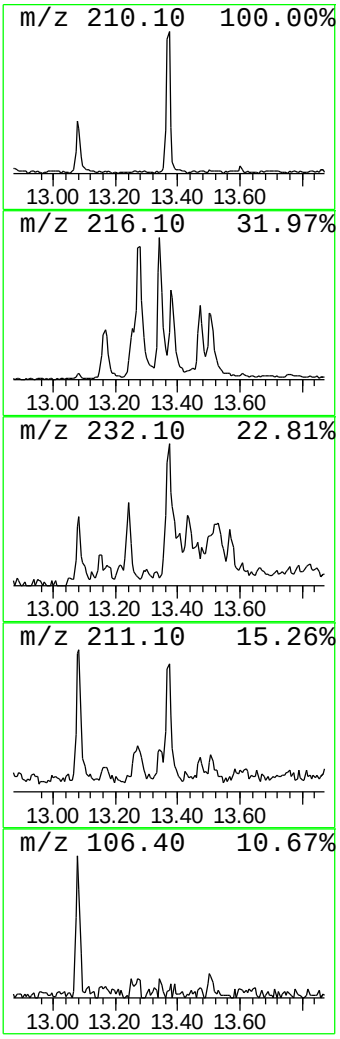
Peak Number 13 Tert-octyldiphenylamine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	2.26 ng	215653	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tert-octyldiphenylamine	281	C20H27N	1000370-31-3	78
2	Tricyclo[4.3.3.0(1,6)]dodeca-7,1...	210	C14H14N2	119657-40-8	50
3	Benzenamine, 4,4'-(1,2-ethenediy...	210	C14H14N2	000621-96-5	49
4	Benzene, 1-methoxy-4-(2-phenylet...	210	C15H14O	001142-15-0	47
5	Benzofuran, 2,3-dihydro-2-methyl...	210	C15H14O	054965-08-1	47





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Misc :
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Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-14-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
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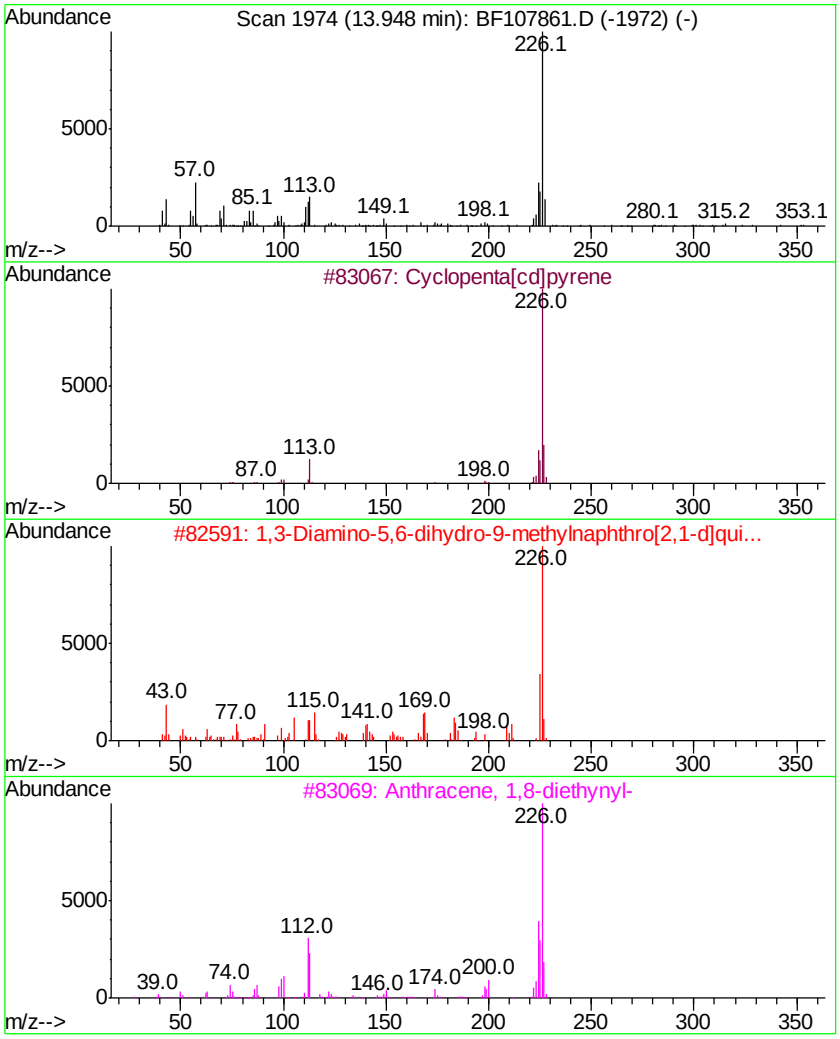
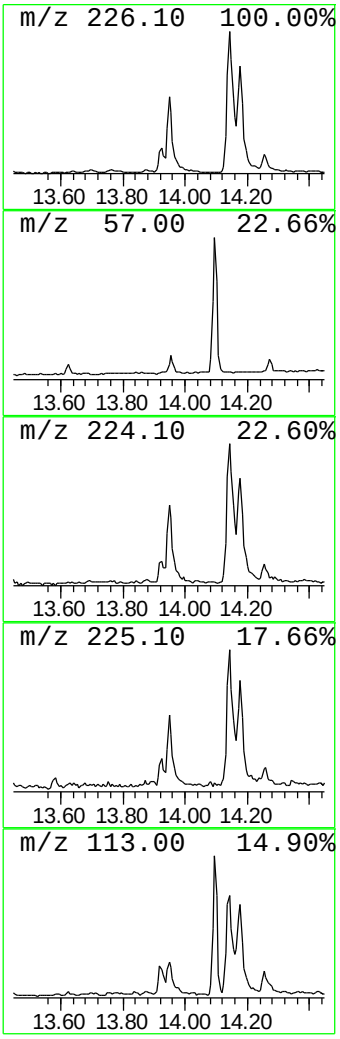
Peak Number 14 unknown13.95 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	2.71 ng	257935	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	38
3	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	12
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	10
5	Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	10





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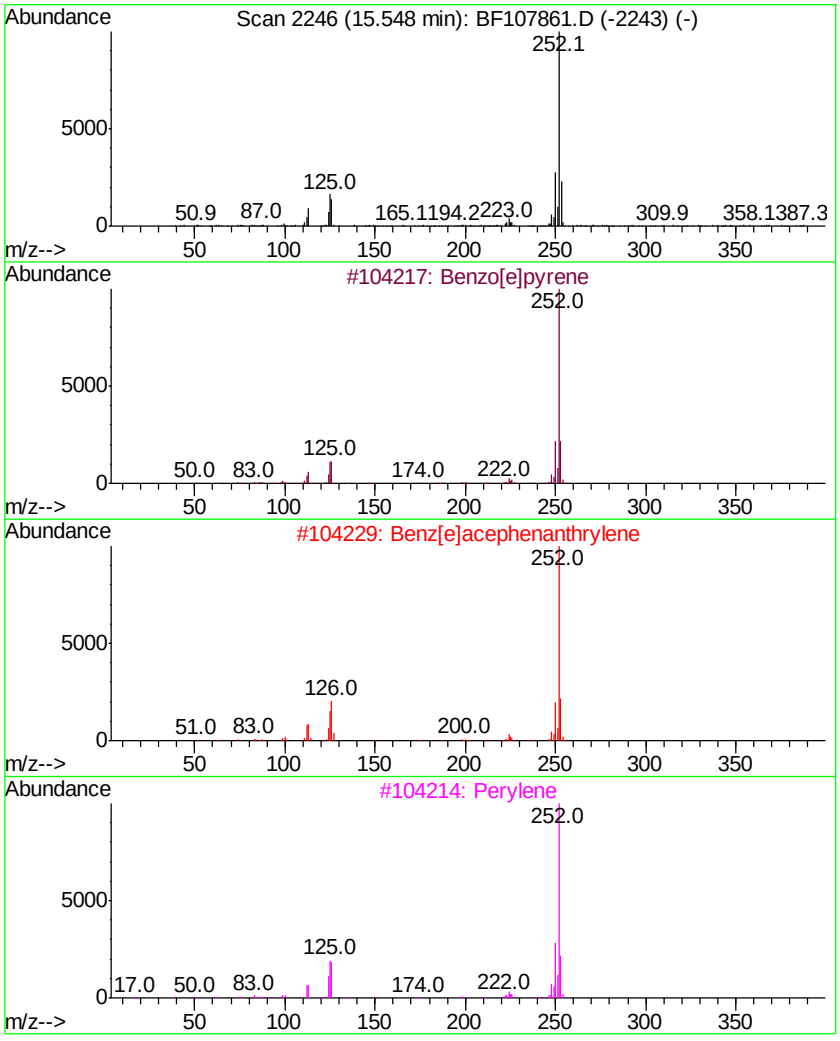
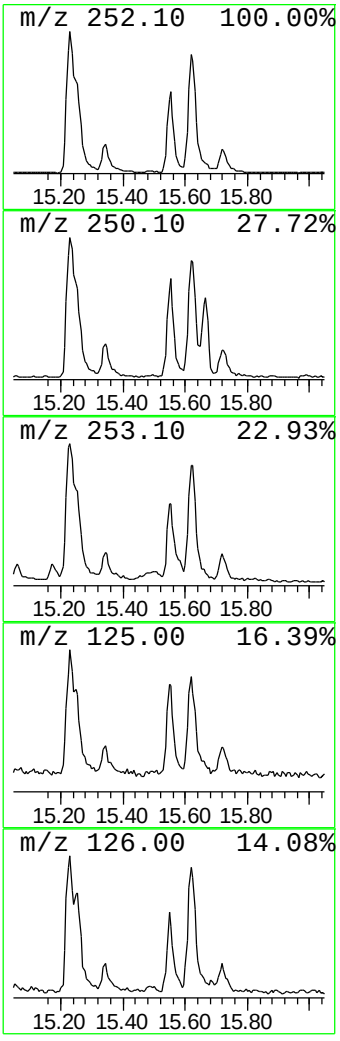
Peak Number 15 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	3.94 ng	337783	Perylene-d12	15.69

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	95
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.20	13.0	ng	637647	1	6.96	982817	20.0
unknown6.74	6.74	78.0	ng	3832190	1	6.96	982817	20.0
Biphenyl	9.42	3.3	ng	231161	3	10.00	1393140	20.0
Dibenzothiophene	11.40	3.6	ng	200510	4	11.50	1101690	20.0
Anthracene, 2-met...	12.00	4.5	ng	250222	4	11.50	1101690	20.0
Anthracene, 9-met...	12.03	3.5	ng	191244	4	11.50	1101690	20.0
4H-Cyclopenta[def...	12.11	7.9	ng	434657	4	11.50	1101690	20.0
Naphthalene, 1-ph...	12.30	4.6	ng	251582	4	11.50	1101690	20.0
11H-Benzo[b]fluorene	13.27	2.4	ng	226250	5	14.15	1906610	20.0
Pyrene, 1-methyl-	13.34	2.2	ng	209396	5	14.15	1906610	20.0
Tert-octyldipheny...	13.37	2.3	ng	215653	5	14.15	1906610	20.0
unknown13.95	13.95	2.7	ng	257935	5	14.15	1906610	20.0
Benzo[e]pyrene	15.55	3.9	ng	337783	6	15.69	1712770	20.0