LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107664.D
Acq On : 25 Jul 2018 18:28
Operator : JU/SJ
Sample : J4126-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-8

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-BF072018.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	5.190	482	485	495	rBV	175580	214741	2.38%	0.202%
2	5.595	551	554	573	rBV	813099	1248977	13.87%	1.174%
3	6.595	720	724	744	rBV	838367	1415510	15.72%	1.331%
4	6.737	744	748	755	rBV	1256447	1389143	15.43%	1.306%
5	6.966	783	787	801	rBV	1014137	1246384	13.84%	1.172%
6	7.119	810	813	825	rBV	956456	1080350	12.00%	1.016%
7	7.531	879	883	893	rBV	537915	816984	9.07%	0.768%
8	8.248	1001	1005	1007	rBV	1408847	1443317	16.03%	1.357%
9	8.272	1007	1009	1016	rVV	2241373	2198167	24.41%	2.067%
10	8.960	1123	1126	1133	rBV	741139	839583	9.32%	0.789%
11	9.060	1139	1143	1149	rBV	1297390	1306104	14.50%	1.228%
12	9.319	1184	1187	1195	rBV	1294937	1256636	13.95%	1.181%
13	9.425	1202	1205	1214	rBV	1012254	995766	11.06%	0.936%
14	9.519	1215	1221	1228	rVB	439382	637739	7.08%	0.600%
15	9.595	1228	1234	1237	rBV	566048	830941	9.23%	0.781%
16	9.666	1242	1246	1248	rBV	999021	995711	11.06%	0.936%
17	9.689	1248	1250	1252	rVV	194855	169302	1.88%	0.159%
18	9.713	1252	1254	1256	rVB2	246865	189647	2.11%	0.178%
19	9.783	1261	1266	1274	rVB	496100	638982	7.10%	0.601%
20	9.872	1277	1281	1286	rVV2	701796	695671	7.72%	0.654%
21	9.983	1297	1300	1302	rBV	401130	380248	4.22%	0.358%
22	10.013	1302	1305	1307	rVV	1357280	1396588	15.51%	1.313%
23	10.048	1307	1311	1318	rVV	5549922	5484341	60.90%	5.156%
24	10.107	1318	1321	1326	rVB	277944	375574	4.17%	0.353%
25	10.207	1335	1338	1342	rVV3	396518	592588	6.58%	0.557%
26	10.248	1342	1345	1348	rVB	291021	289565	3.22%	0.272%
27	10.319	1353	1357	1360	rBV2	347356	402406	4.47%	0.378%
28	10.413	1369	1373	1375	rBV3	201824	253199	2.81%	0.238%
29	10.466	1378	1382	1386	rBV	495554	518127	5.75%	0.487%
30	10.530	1390	1393	1395	rVV	341933	288481	3.20%	0.271%
31	10.560	1395	1398	1404	rVV	2612256	2597716	28.85%	2.442%
32	10.607	1404	1406	1408	rVV2	176304	204248	2.27%	0.192%
33	10.642	1410	1412	1414	rVV2	292915	279741	3.11%	0.263%
34	10.672	1414	1417	1419	rVV	481412	498190	5.53%	0.468%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J4126-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-8

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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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.695	1419	1421	1423	rVV2	221388	256190	2.84%	0.241%
36	10.742	1427	1429	1433	rVB2	201092	197977	2.20%	0.186%
37	10.801	1433	1439	1445	rBV2	861497	1419844	15.77%	1.335%
38	10.907	1453	1457	1465	rVB3	173189	340804	3.78%	0.320%
39	11.107	1486	1491	1494	rBV	482695	627683	6.97%	0.590%
40	11.136	1494	1496	1499	rVV	273832	240638	2.67%	0.226%
41	11.189	1502	1505	1508	rVB	248851	213126	2.37%	0.200%
42	11.307	1523	1525	1530	rVB	177427	154296	1.71%	0.145%
43	11.401	1537	1541	1550	rVB	877344	996480	11.07%	0.937%
44	11.507	1555	1559	1560	rBV	1123122	1102478	12.24%	1.037%
45	11.542	1560	1565	1569	rVV	6869486	9005683	100.00%	8.467%
46	11.583	1569	1572	1580	rVB	2748250	2958798	32.85%	2.782%
47	11.795	1605	1608	1612	rVB	520818	438255	4.87%	0.412%
48	11.836	1612	1615	1624	rVB2	315416	374990	4.16%	0.353%
49	11.919	1626	1629	1634	rVB	132899	158995	1.77%	0.149%
50	12.007	1640	1644	1646	rBV	1510613	1358273	15.08%	1.277%
51	12.036	1646	1649	1654	rVV	1572083	1521607	16.90%	1.431%
52	12.083	1654	1657	1660	rVV	682534	630981	7.01%	0.593%
53	12.124	1660	1664	1672	rVB3	2293946	3389523	37.64%	3.187%
54	12.301	1690	1694	1698	rBV	1406513	1230292	13.66%	1.157%
55	12.448	1714	1719	1722	rBV3	244781	311090	3.45%	0.292%
56	12.483	1722	1725	1727	rVB	168151	135332	1.50%	0.127%
57	12.554	1734	1737	1740	rBV	762190	785163	8.72%	0.738%
58	12.595	1740	1744	1746	rVV2	298920	350135	3.89%	0.329%
59	12.619	1746	1748	1750	rVB	342758	267175	2.97%	0.251%
60	12.730	1762	1767	1770	rBV	4904909	5395552	59.91%	5.073%
61	12.819	1779	1782	1789	rVB	1679559	1848275	20.52%	1.738%
62	12.877	1789	1792	1793	rBV	176101	150183	1.67%	0.141%
63	12.895	1793	1795	1800	rVB	304206	318358	3.54%	0.299%
64	12.966	1800	1807	1811	rBV	5729468	7211523	80.08%	6.780%
65	13.001	1811	1813	1817	rVB2	187403	242795	2.70%	0.228%
66	13.083	1824	1827	1833	rVB	922151	915879	10.17%	0.861%
67	13.171	1838	1842	1848	rBV	393478	584117	6.49%	0.549%
68	13.283	1853	1861	1866	rBV	1049430	1643988	18.26%	1.546%
69	13.348	1869	1872	1876	rVV	997520	953685	10.59%	0.897%
70	13.389	1876	1879	1882	rVV	695412	683770	7.59%	0.643%
71	13.454	1886	1890	1892	rBV	713909	763901	8.48%	0.718%

LSC Area Percent Report

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Sample : J4126-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-8

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.483	1892	1895	1897	rVV	544140	623247	6.92%	0.586%
73	13.513	1897	1900	1910	rVB	759136	932597	10.36%	0.877%
74	13.765	1939	1943	1946	rBV2	134416	227183	2.52%	0.214%
75	13.883	1960	1963	1964	rBV	174710	172782	1.92%	0.162%
76	13.907	1964	1967	1969	rVV	286815	265247	2.95%	0.249%
77	13.930	1969	1971	1973	rVV	589808	475081	5.28%	0.447%
78	13.960	1973	1976	1978	rVB	464768	406179	4.51%	0.382%
79	14.071	1993	1995	2003	rVB	96972	142109	1.58%	0.134%
80	14.154	2004	2009	2012	rBV2	3267978	4809992	53.41%	4.522%
81	14.183	2012	2014	2021	rVB	2288682	2451429	27.22%	2.305%
82	14.265	2025	2028	2032	rBV2	250007	322997	3.59%	0.304%
83	14.507	2066	2069	2070	rBV2	146318	166146	1.84%	0.156%
84	14.542	2072	2075	2078	rVV2	406429	445770	4.95%	0.419%
85	14.624	2086	2089	2090	rBV2	170479	163481	1.82%	0.154%
86	14.642	2090	2092	2094	rVV	236710	212979	2.36%	0.200%
87	14.671	2094	2097	2098	rVV	232042	209491	2.33%	0.197%
88	14.695	2098	2101	2107	rVV	491652	609328	6.77%	0.573%
89	14.742	2107	2109	2115	rVB	224742	254755	2.83%	0.240%
90	14.995	2149	2152	2155	rVB2	130398	138176	1.53%	0.130%
91	15.236	2188	2193	2207	rBV	1081538	2719915	30.20%	2.557%
92	15.348	2208	2212	2219	rVB	403563	572533	6.36%	0.538%
93	15.560	2243	2248	2254	rBV	886970	1270420	14.11%	1.194%
94	15.630	2254	2260	2264	rVV	1547346	2280880	25.33%	2.144%
95	15.695	2267	2271	2274	rVV	738921	1155022	12.83%	1.086%
96	15.724	2274	2276	2287	rVB3	348564	646517	7.18%	0.608%
97	16.289	2369	2372	2385	rVB2	186568	334727	3.72%	0.315%
98	17.265	2533	2538	2548	rVB2	434426	949865	10.55%	0.893%
99	17.748	2614	2620	2630	rVB	361405	790033	8.77%	0.743%
100	18.006	2660	2664	2670	rVB2	132867	263728	2.93%	0.248%

Sum of corrected areas: 106361110

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
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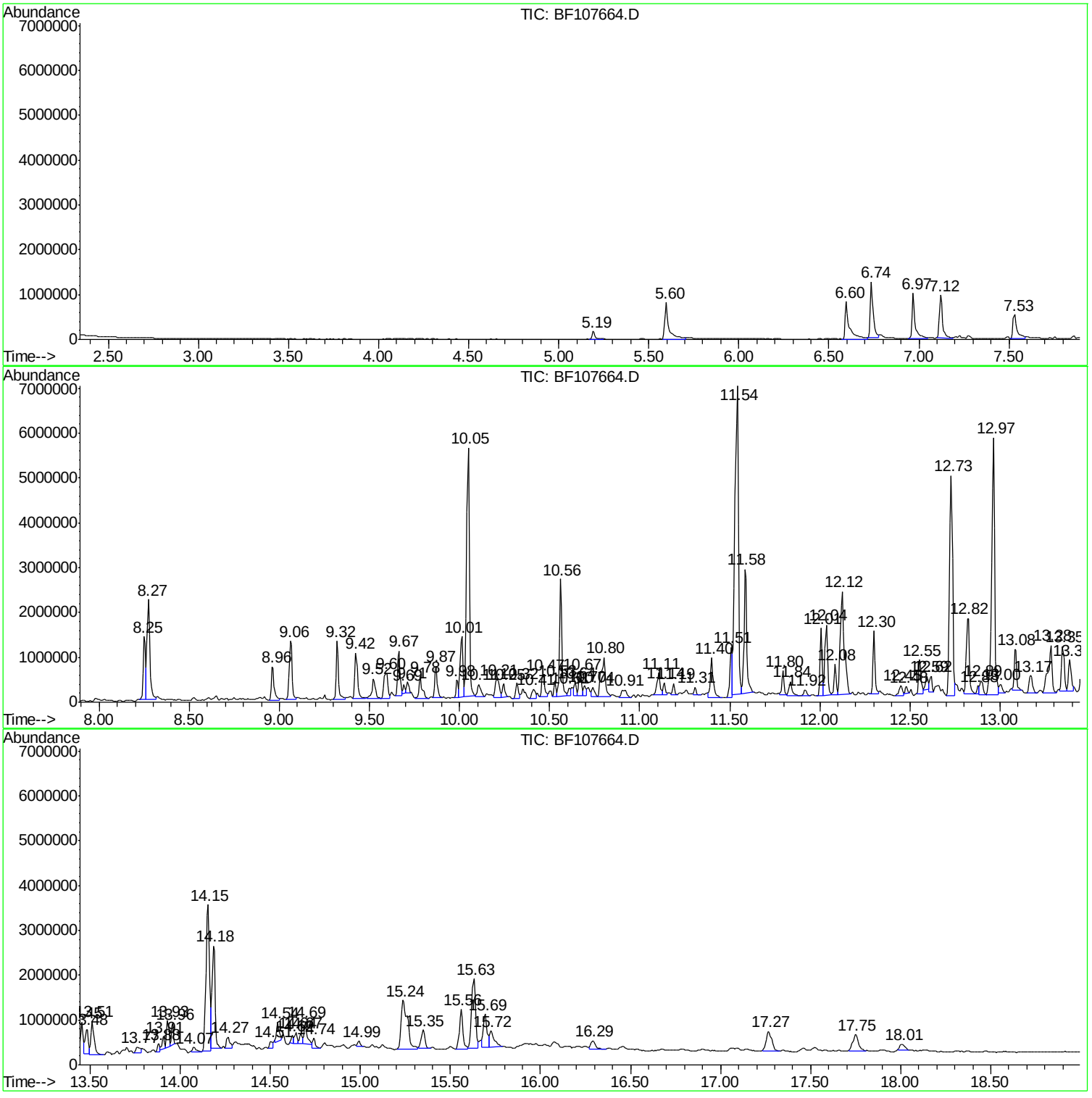
Sample : J4126-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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\BF072518\
Data File : BF107664.D
Acq On : 25 Jul 2018 18:28
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Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

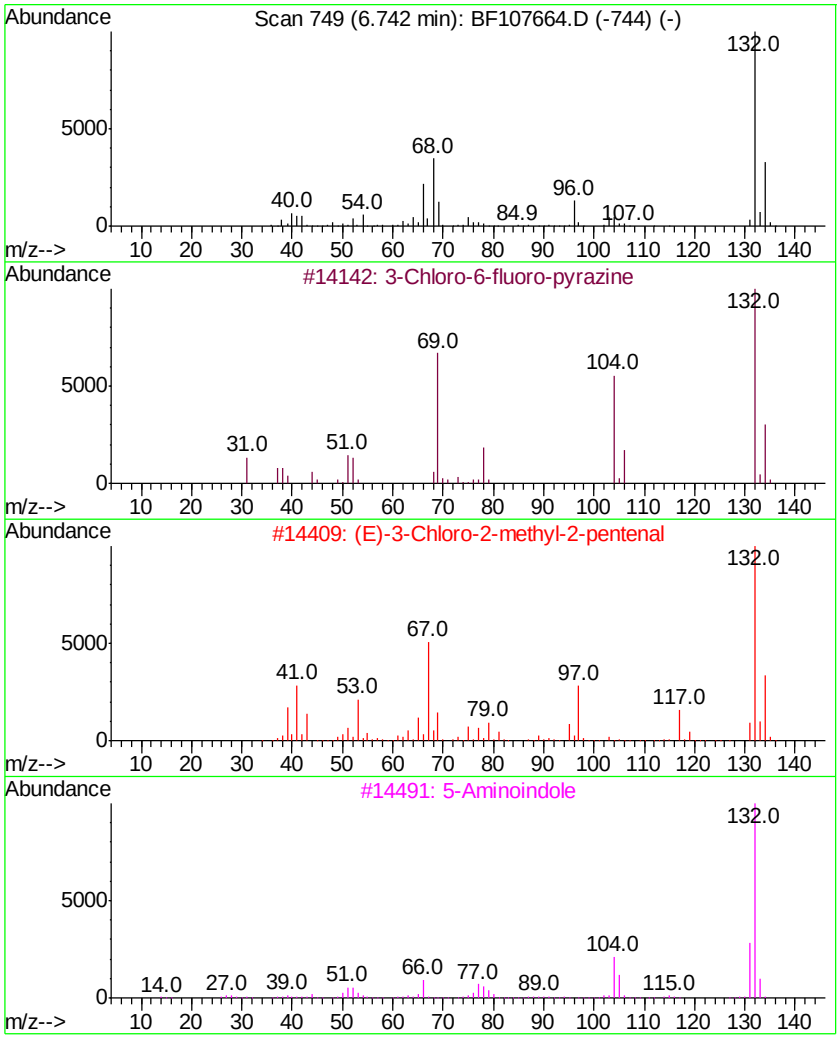
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

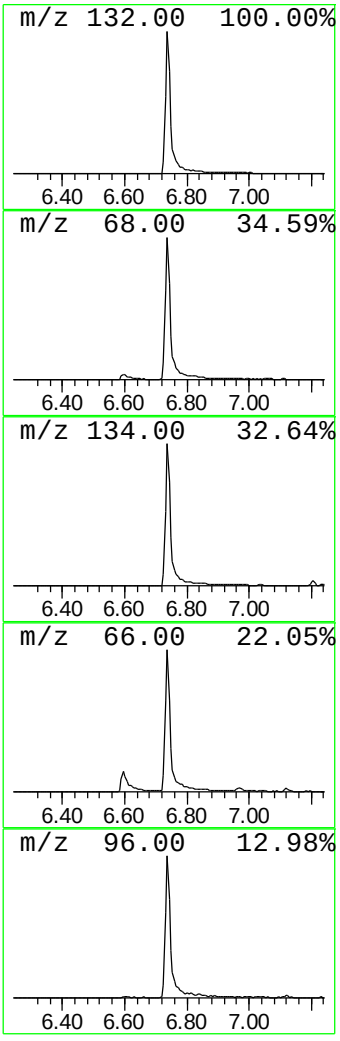
****

Peak Number 1 unknown6.74 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	22.29 ng	1389140	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

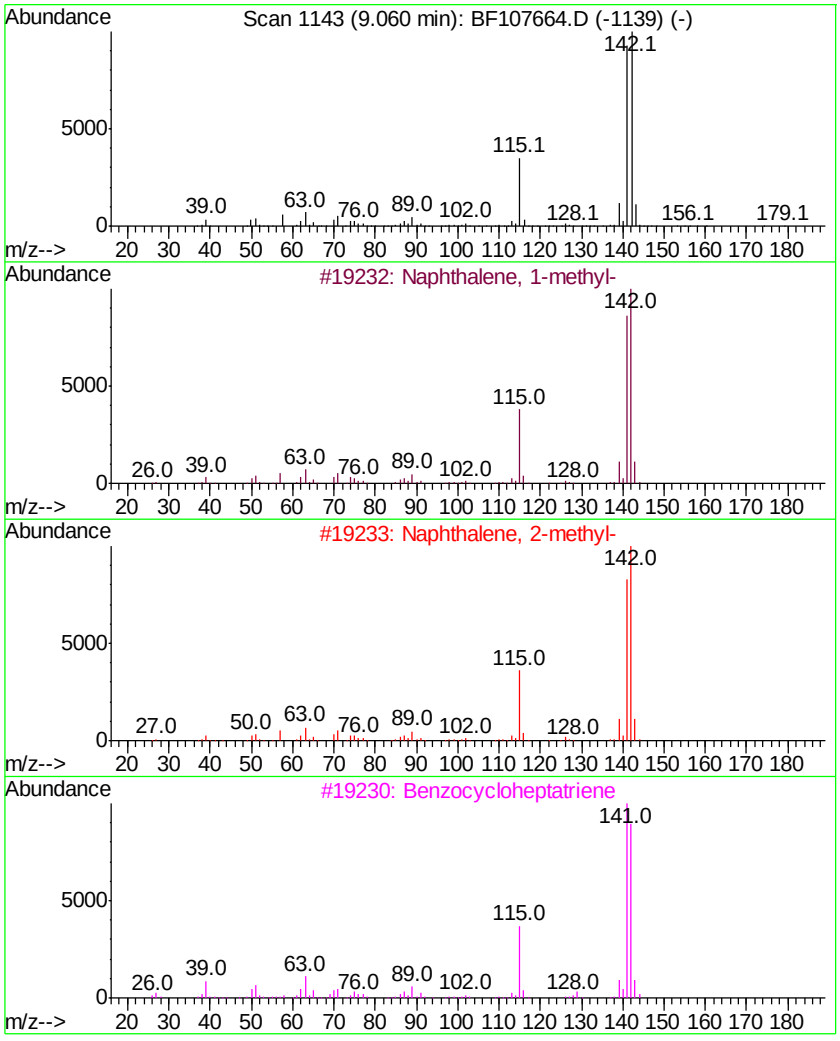
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

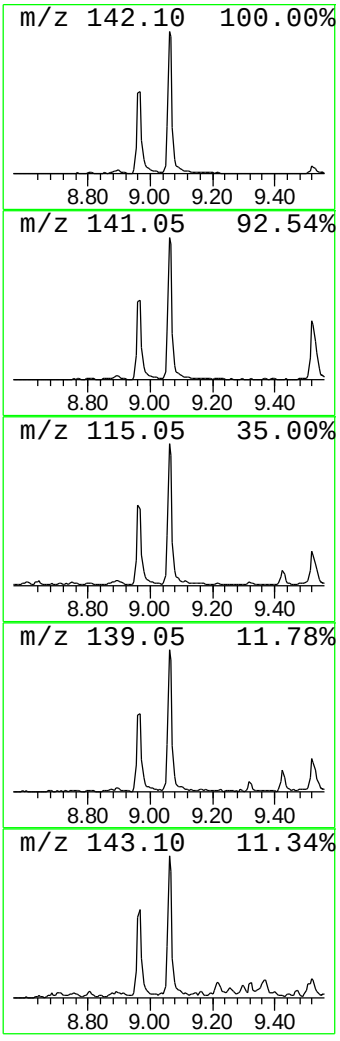
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	18.10 ng	1306100	Naphthalene-d8	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Library Search Compound Report

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Instrument :
BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
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TIC Library : C:\DATABASE\NIST11.L
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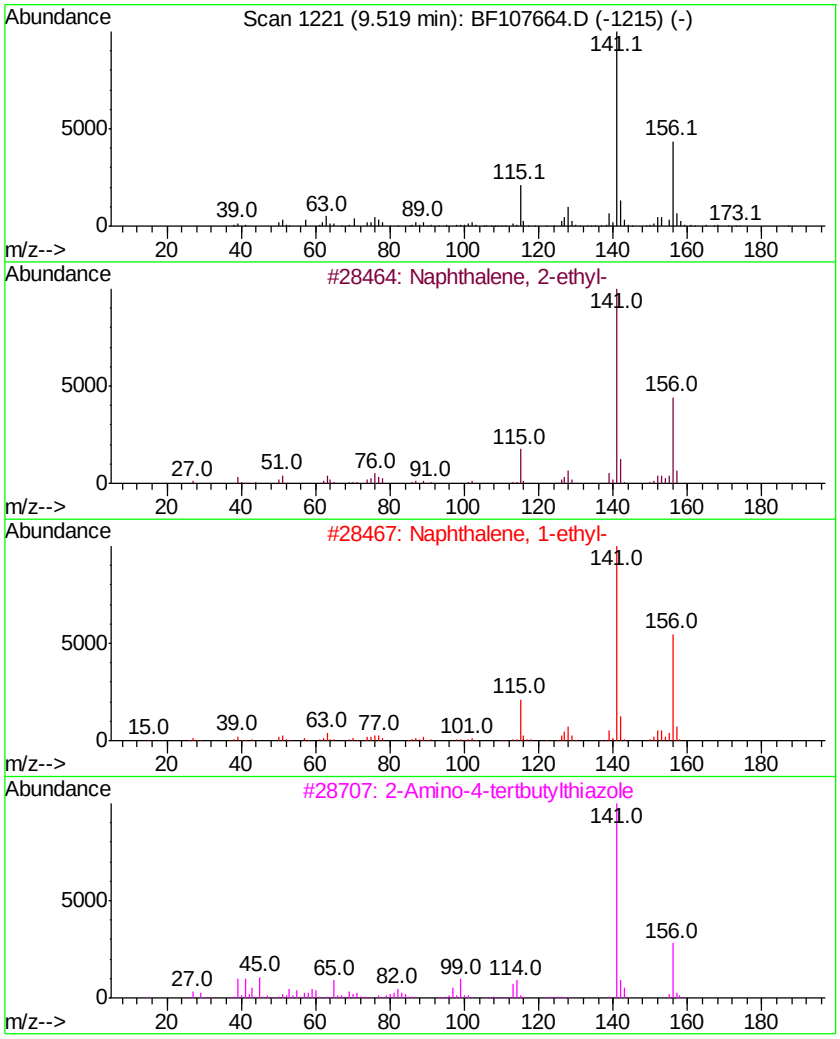
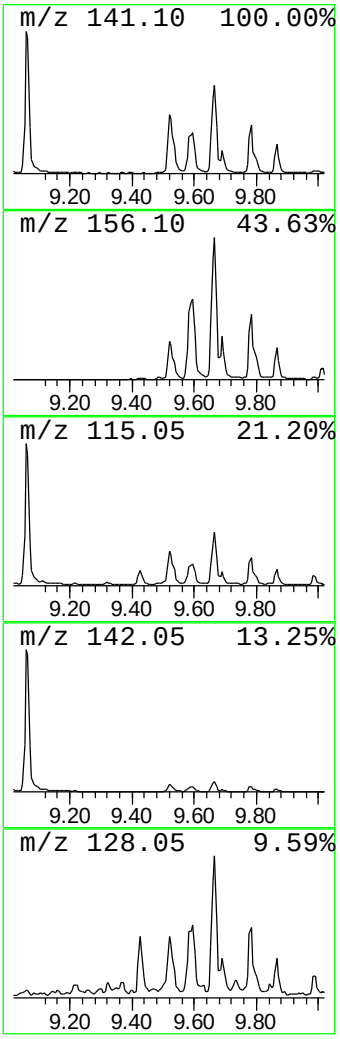
****

Peak Number 4 Naphthalene, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	9.13 ng	637739	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
3	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	53
4	Naphthalene, 1-propyl-	170	C13H14	002765-18-6	53
5	5-Acetyl-2-amino-4-methylthiazole	156	C6H8N2OS	030748-47-1	53





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

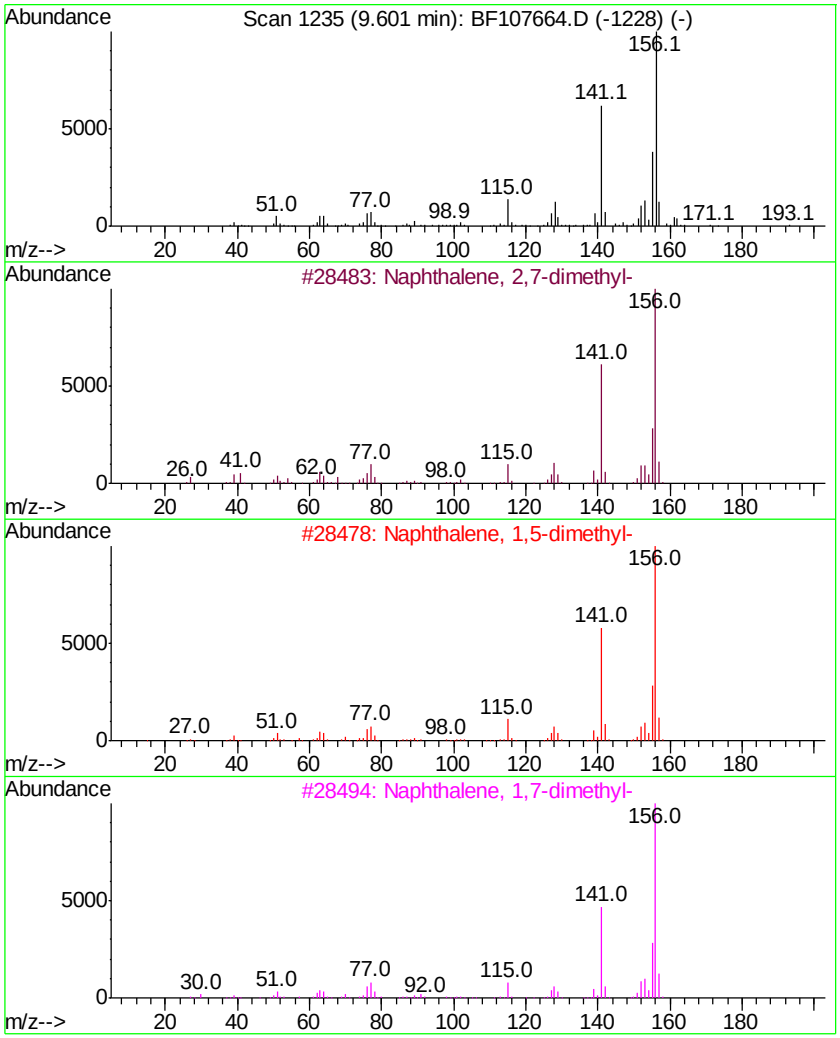
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

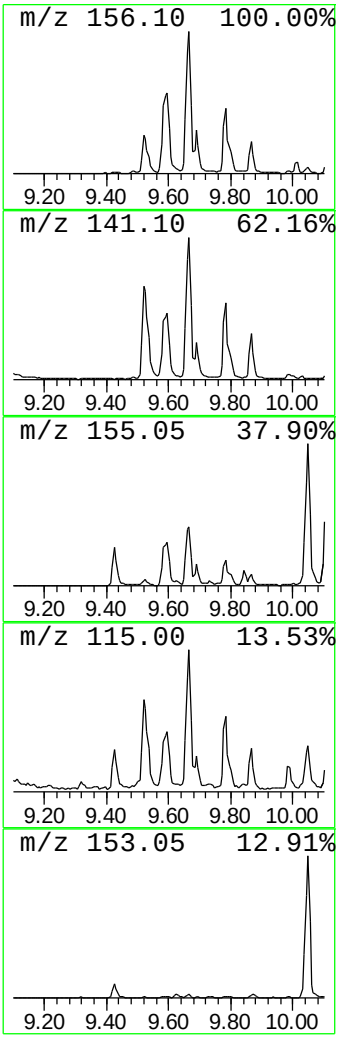
****

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	11.90 ng	830941	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

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Data File : BF107664.D
Acq On : 25 Jul 2018 18:28
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Sample : J4126-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

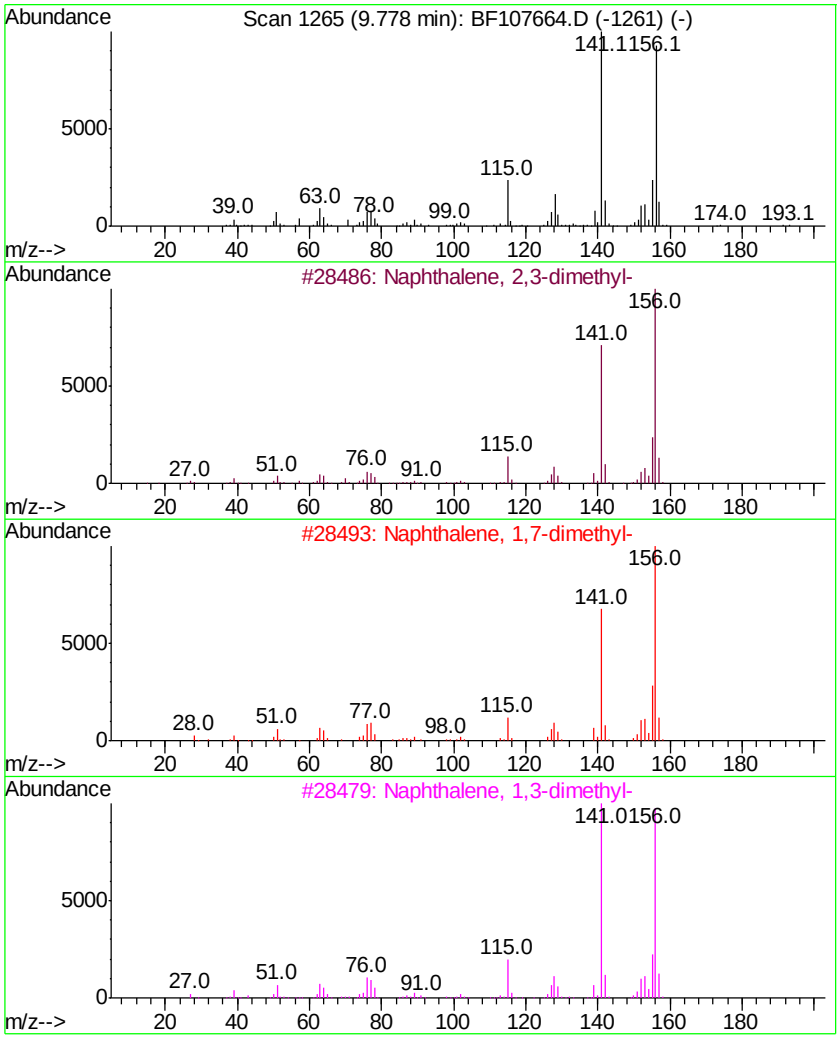
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

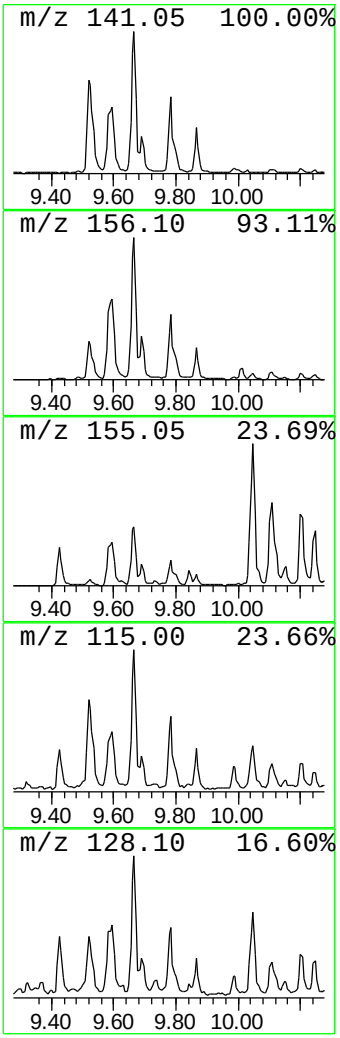
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	9.15 ng	638982	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Acq On : 25 Jul 2018 18:28
Operator : JU/SJ
Sample : J4126-11 2X
Misc :
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Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-8

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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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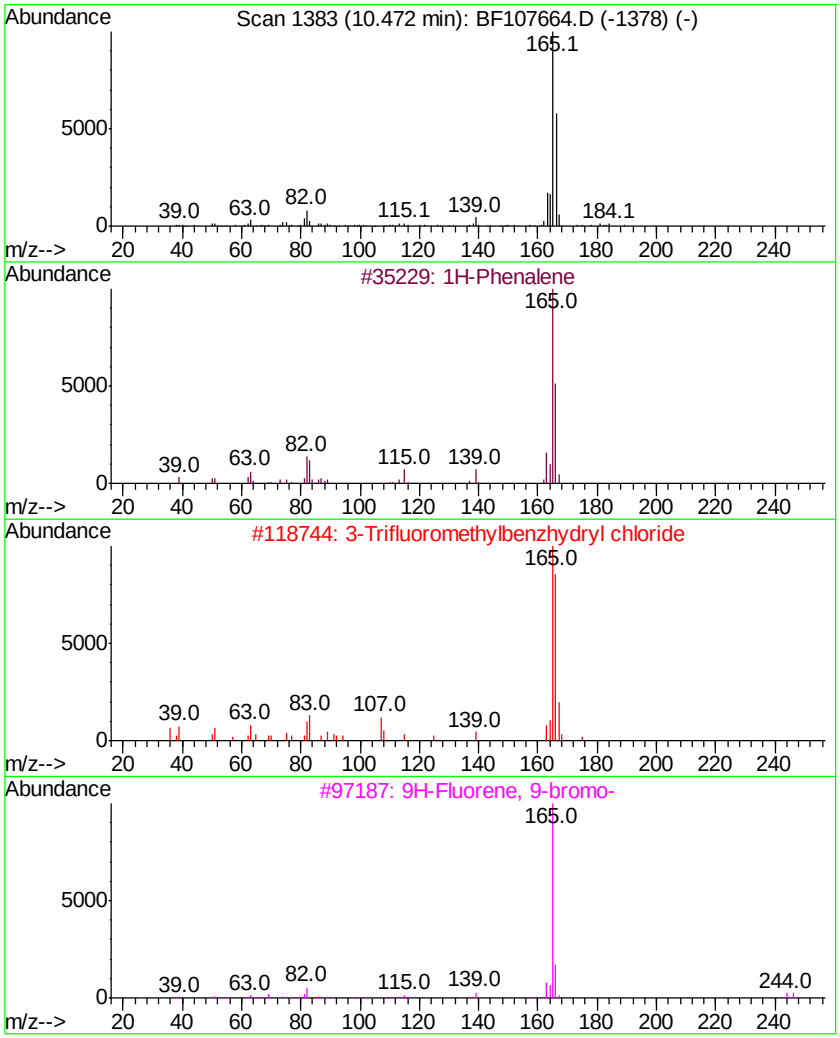
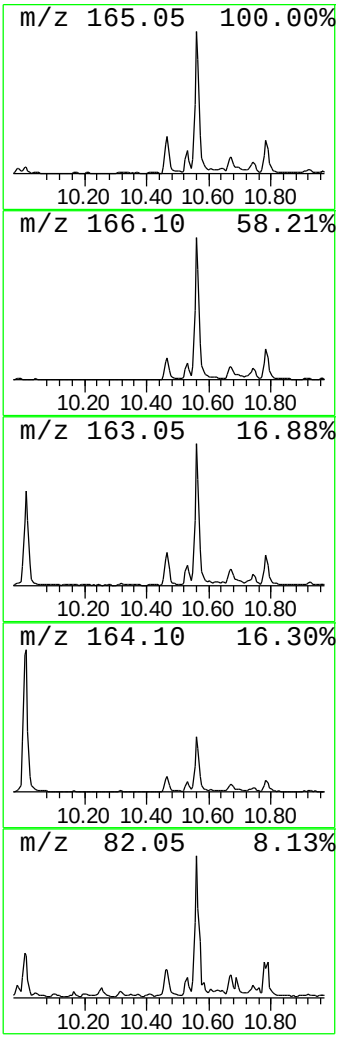
Peak Number 7 1H-Phenalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	7.42 ng	518127	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	78
2	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	72
3	9H-Fluorene, 9-bromo-	244	C13H9Br	001940-57-4	53
4	Fluorene	166	C13H10	000086-73-7	50
5	1,3-Benzodioxole-5-carboxylic acid	166	C8H6O4	000094-53-1	9





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Misc :
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Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-8

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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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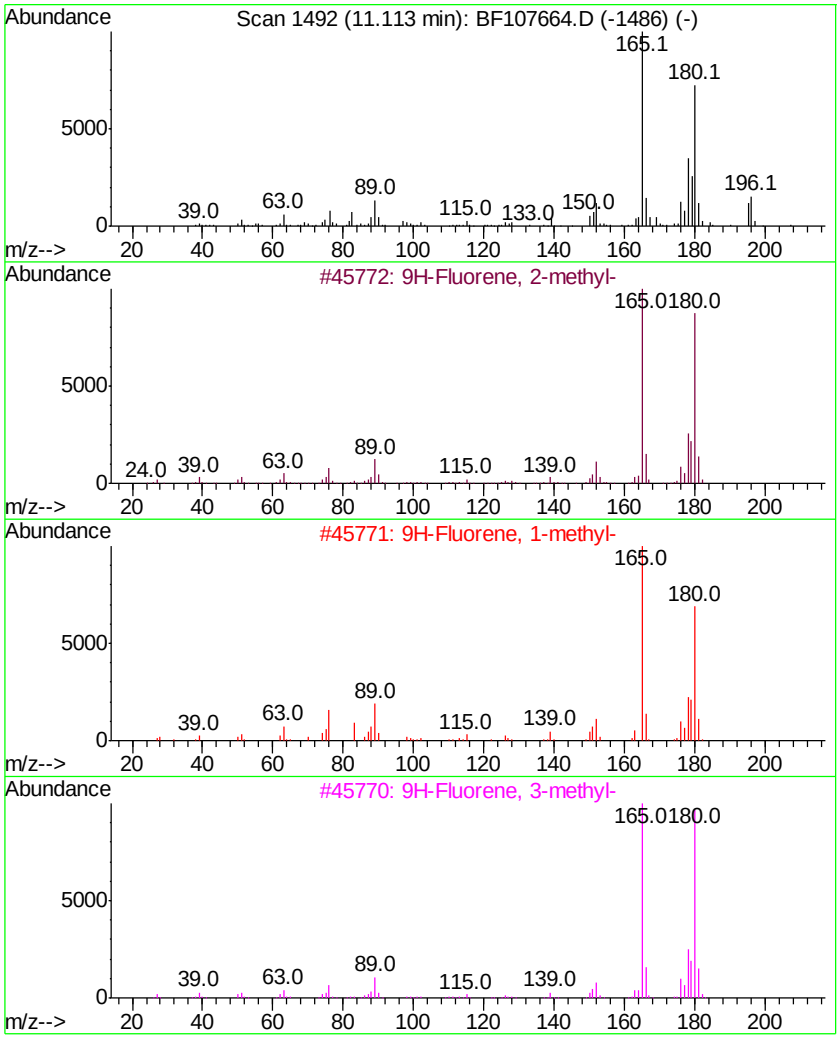
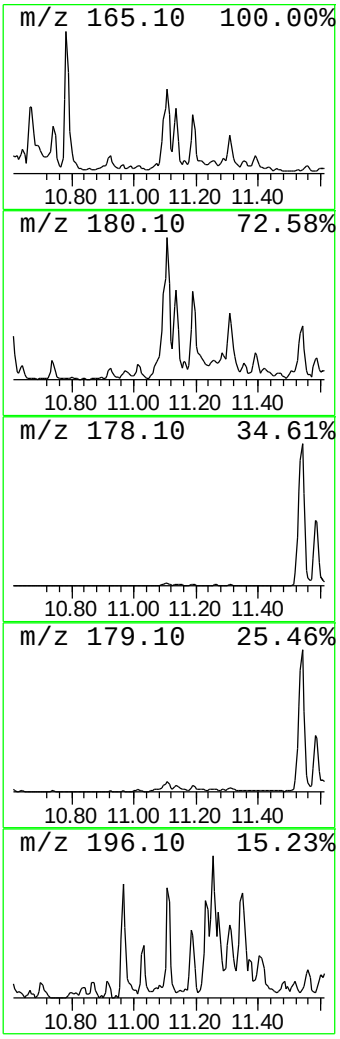
Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	11.39 ng	627683	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	98
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	92
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	68





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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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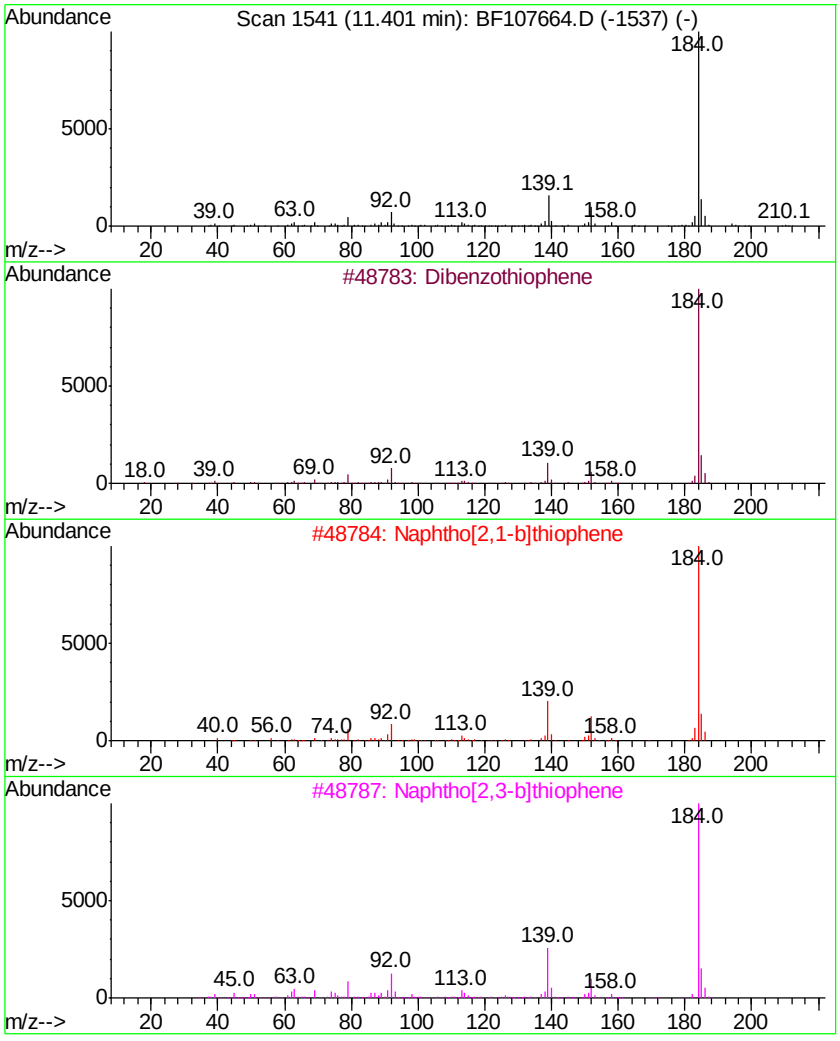
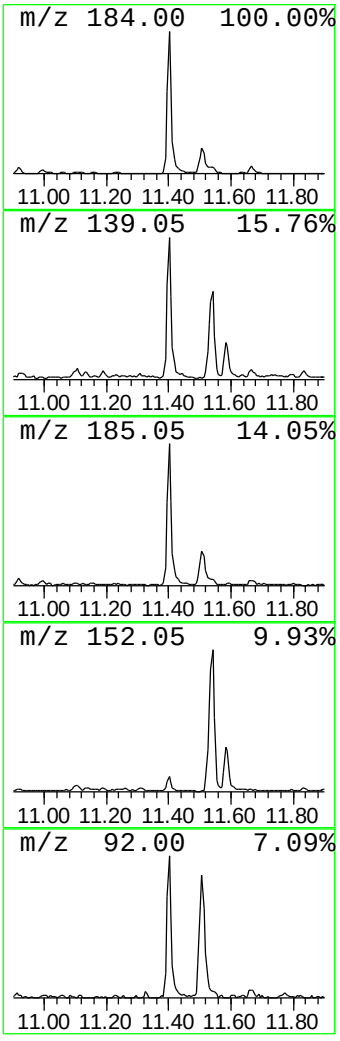
Peak Number 10 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	18.08 ng	996480	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
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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Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-8

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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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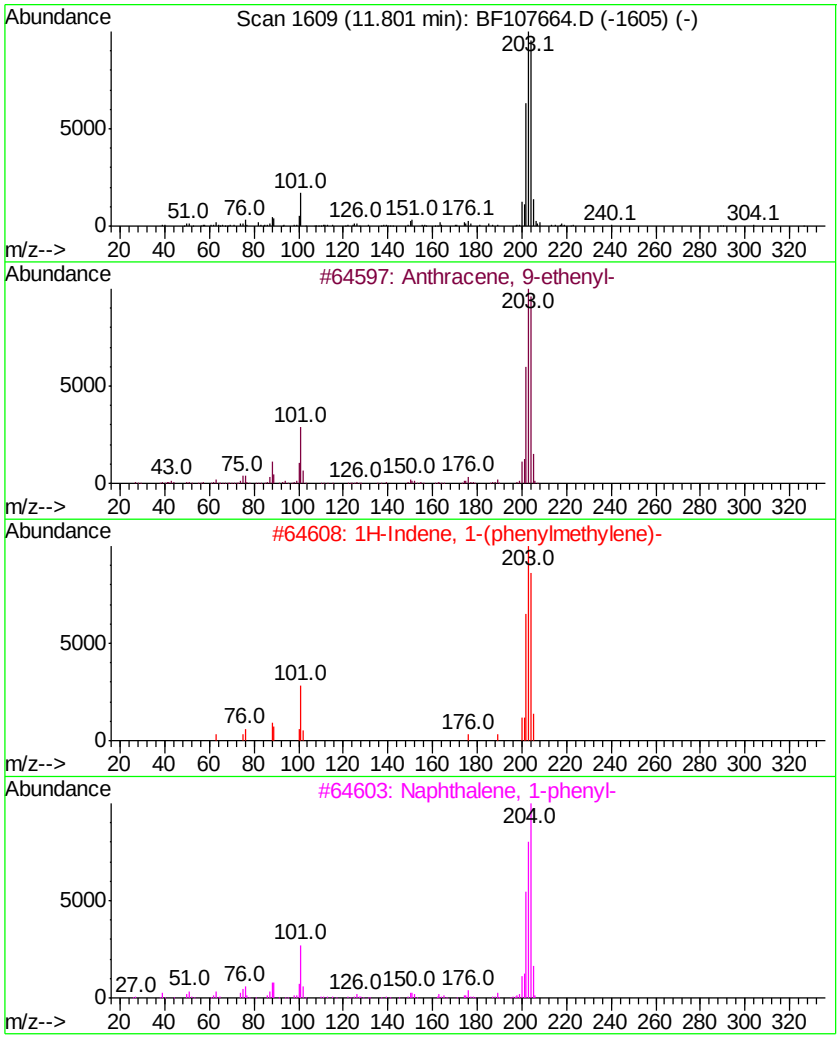
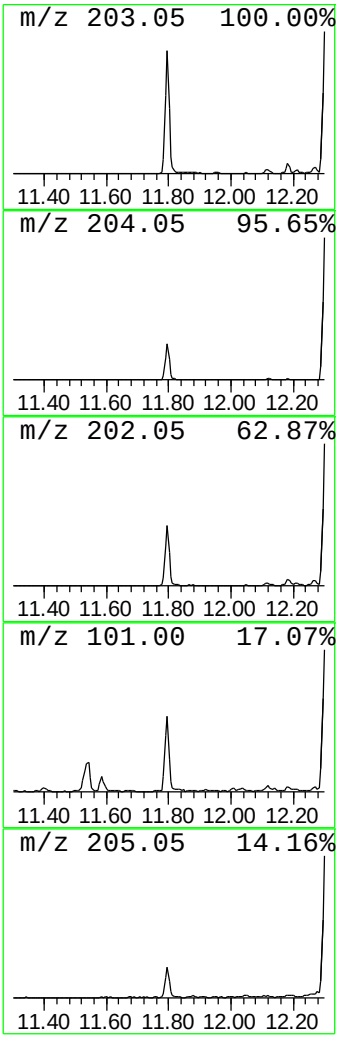
Peak Number 11 Anthracene, 9-ethenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	7.95 ng	438255	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	94
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	81
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	72
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	68
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	64





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ALS Vial : 17 Sample Multiplier: 1

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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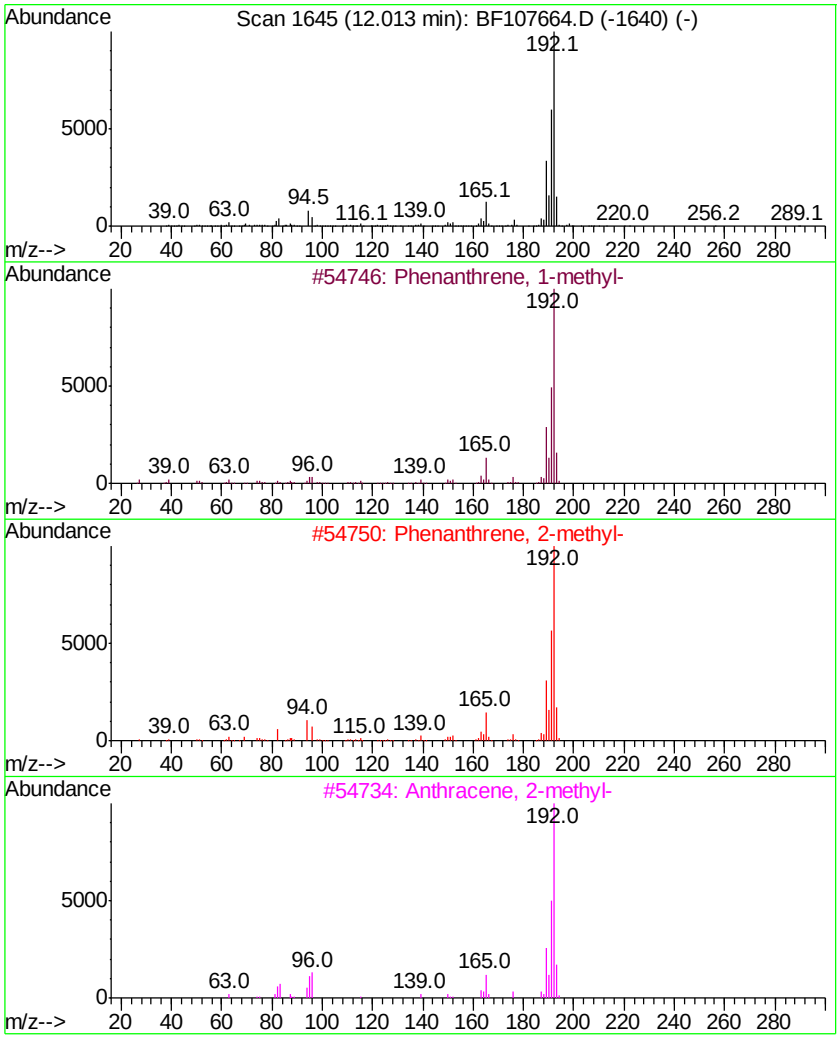
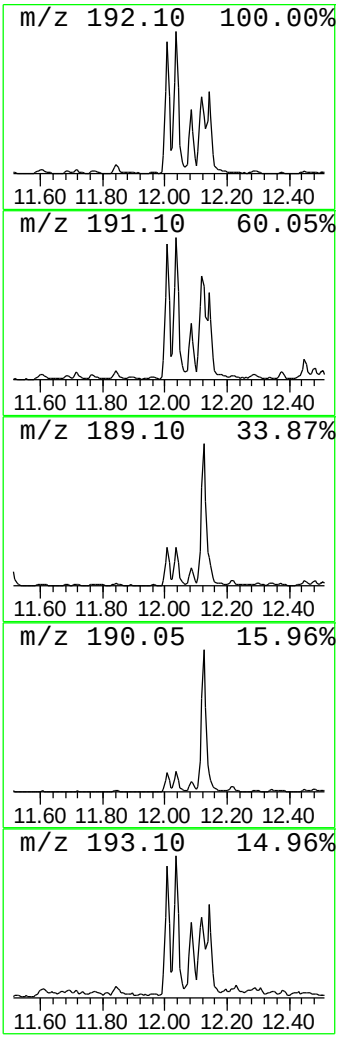
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	24.64 ng	1358270	Phenanthrene-d10	11.51

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





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Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-8

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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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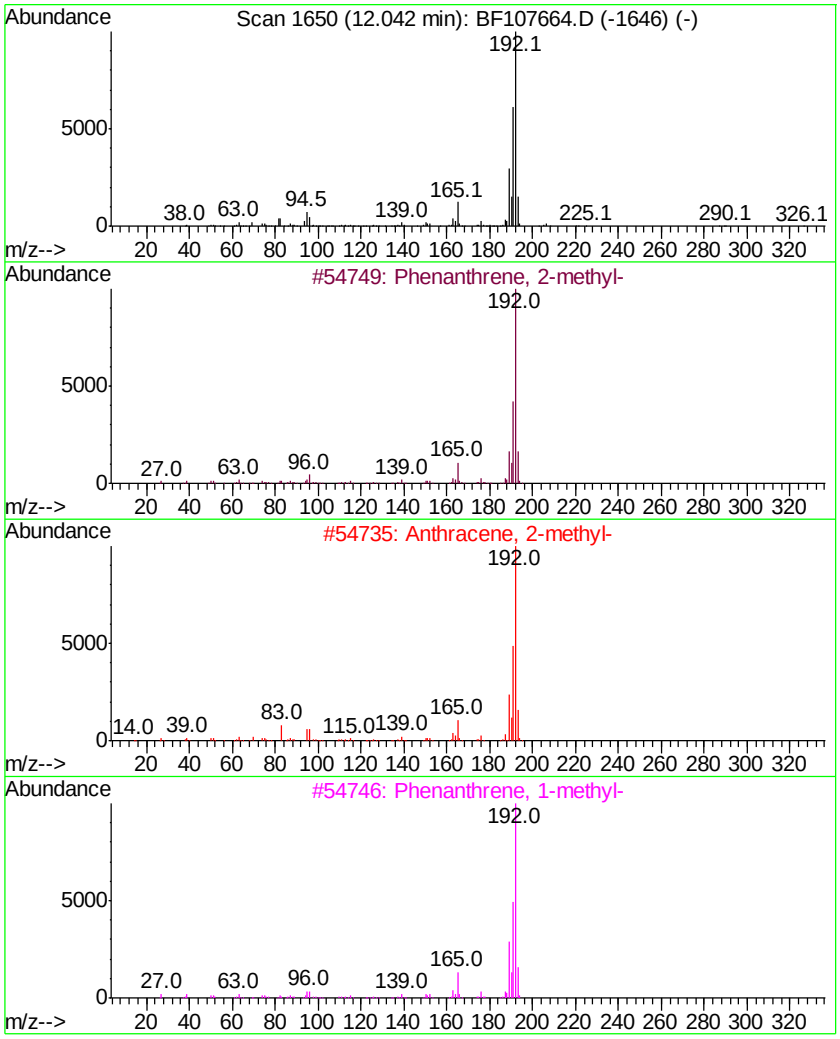
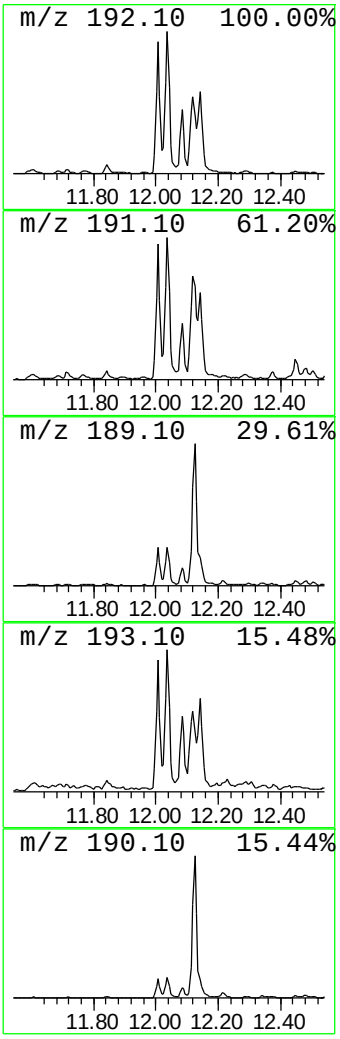
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	27.60 ng	1521610	Phenanthrene-d10	11.51

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





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Sample : J4126-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-8

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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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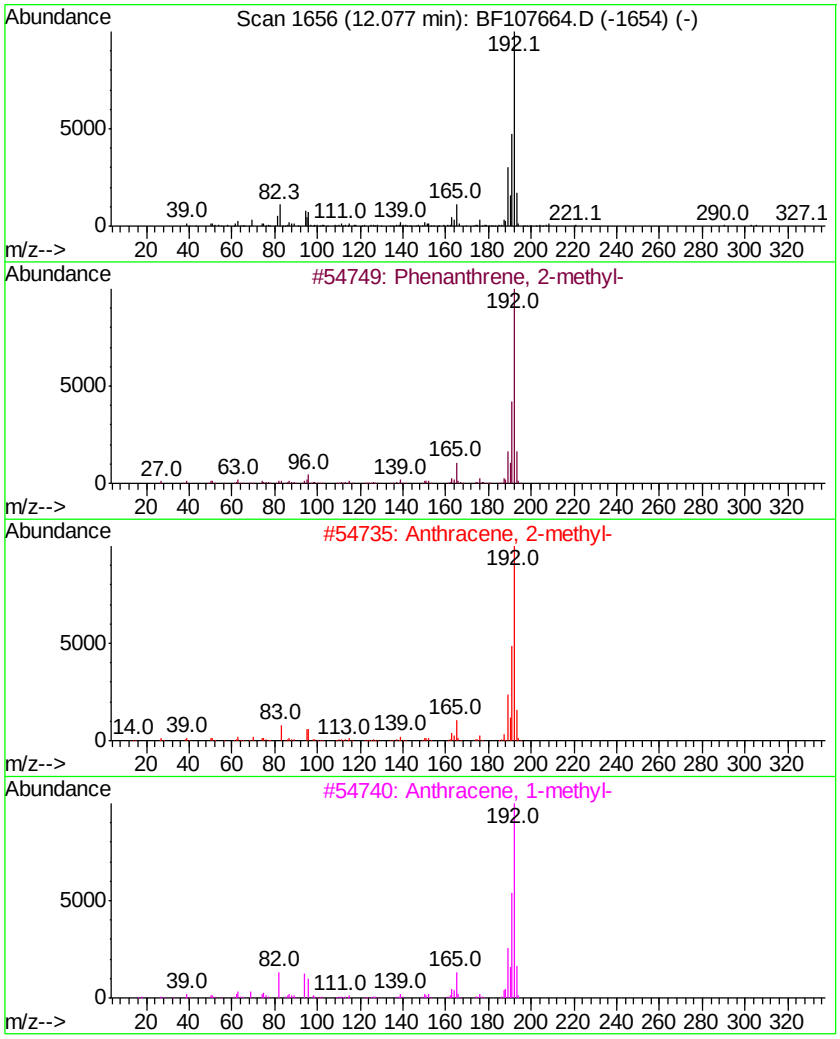
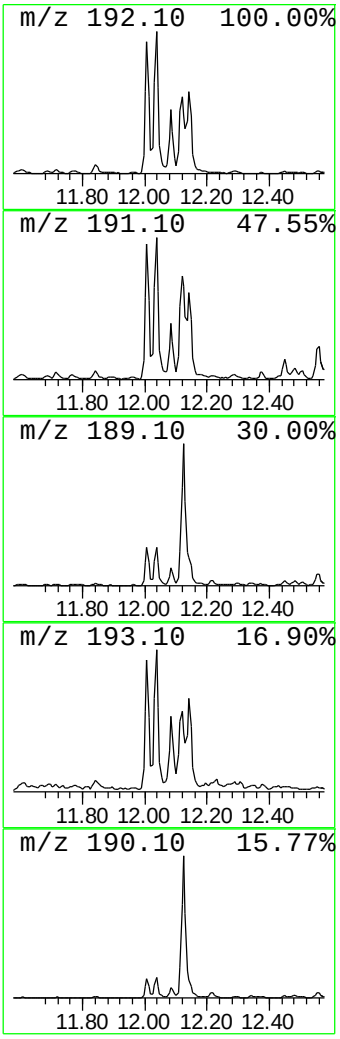
Peak Number 14 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	11.45 ng	630981	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Sample : J4126-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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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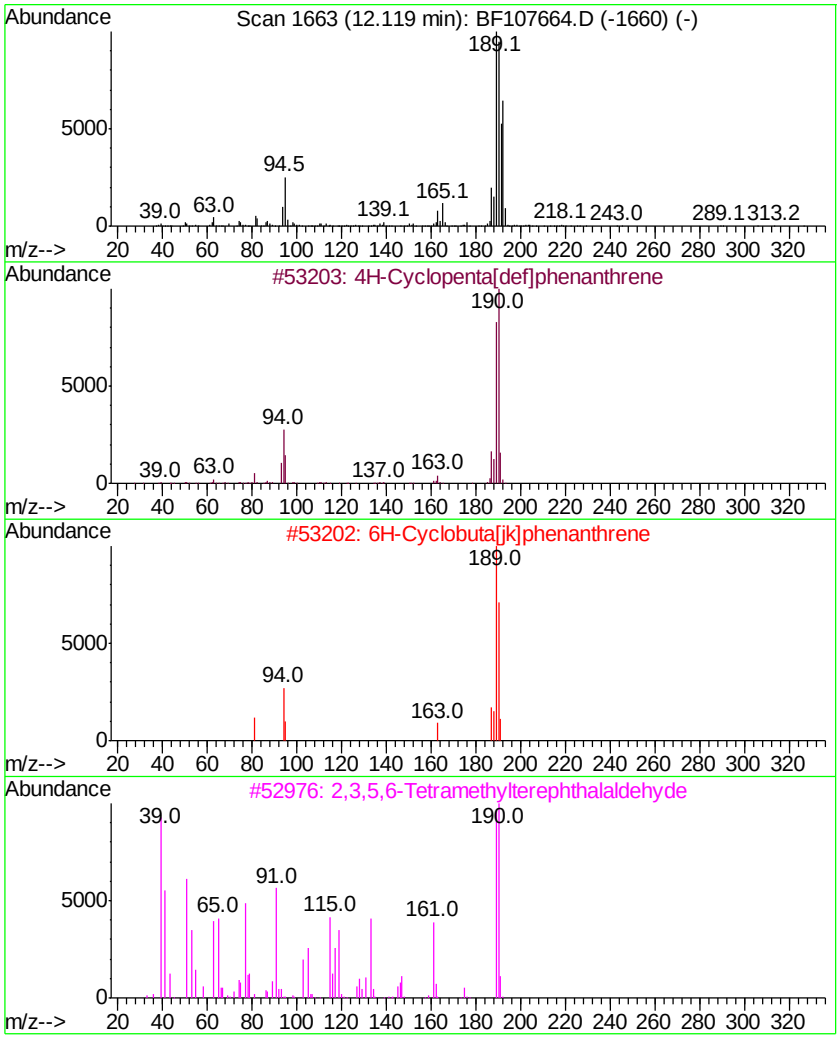
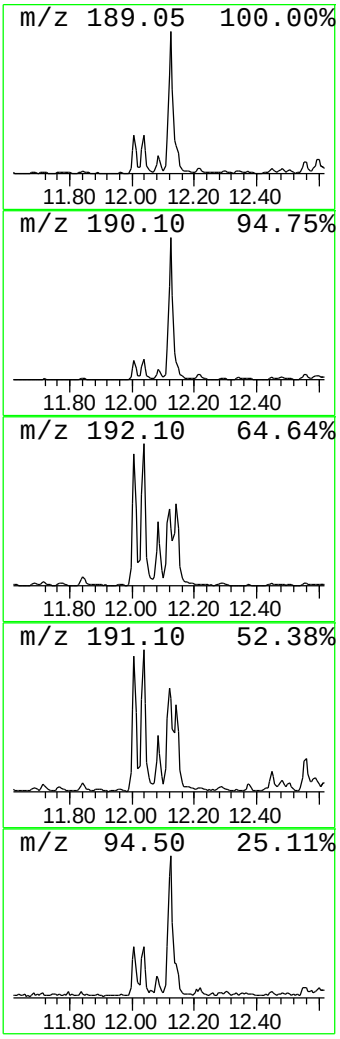
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	61.49 ng	3389520	Phenanthrene-d10	11.51

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	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	46
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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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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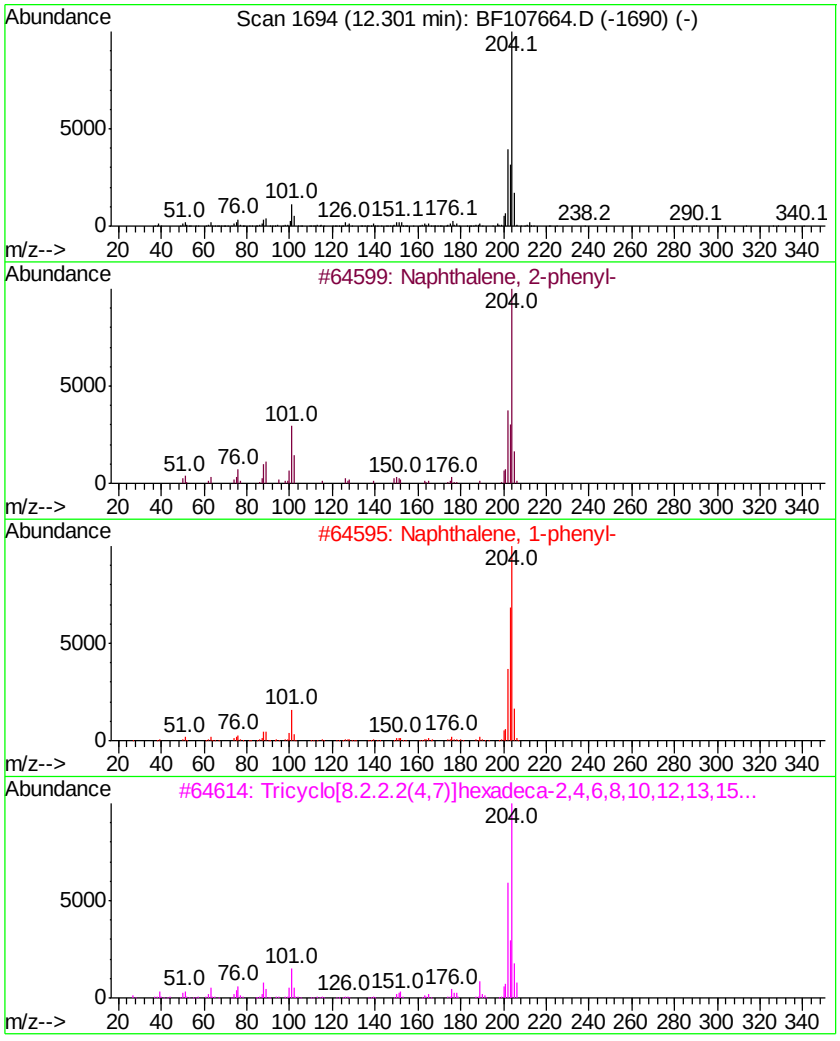
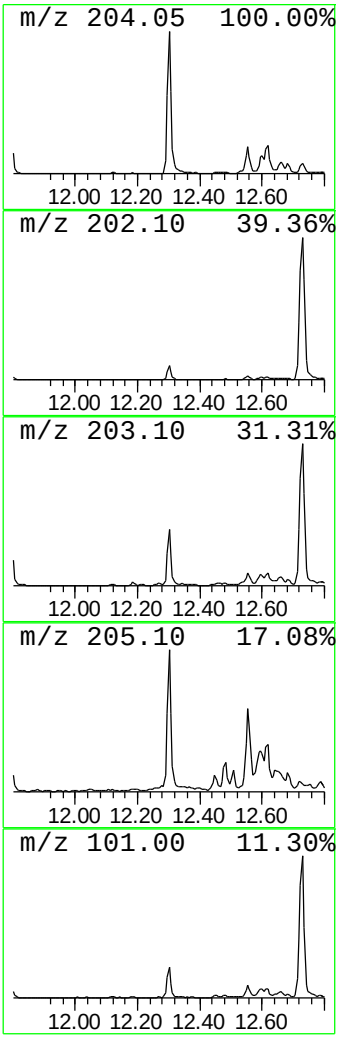
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	22.32 ng	1230290	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	47
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	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

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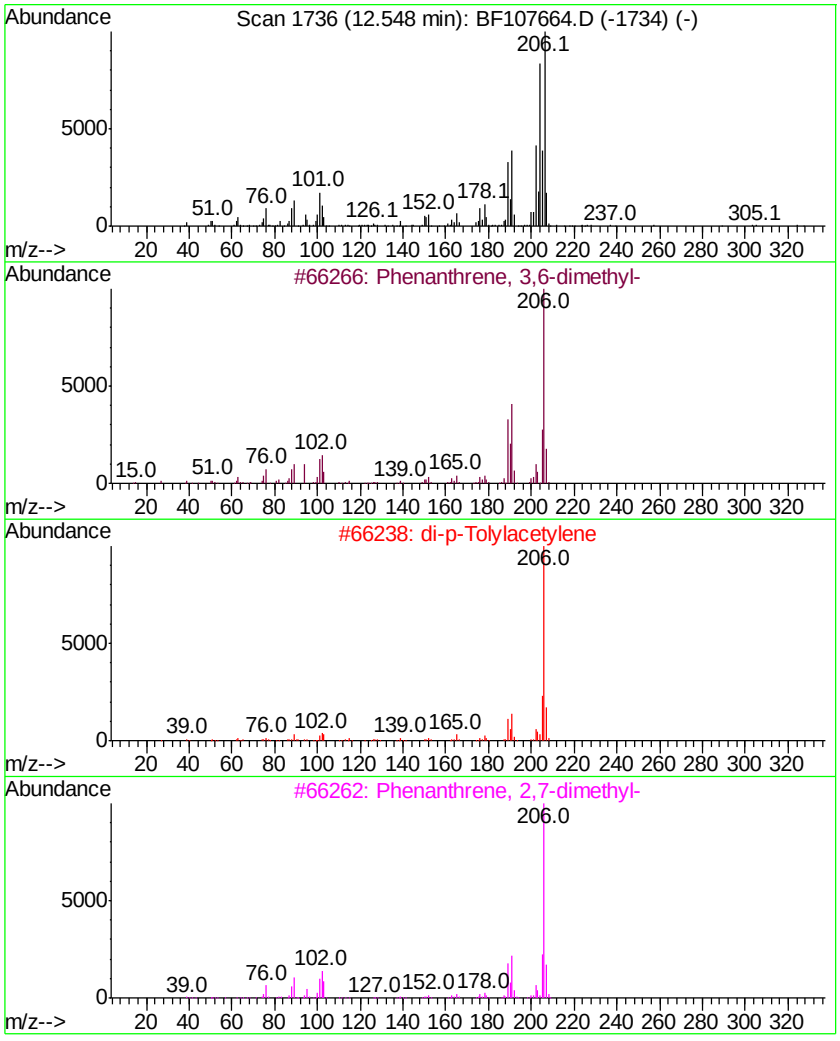
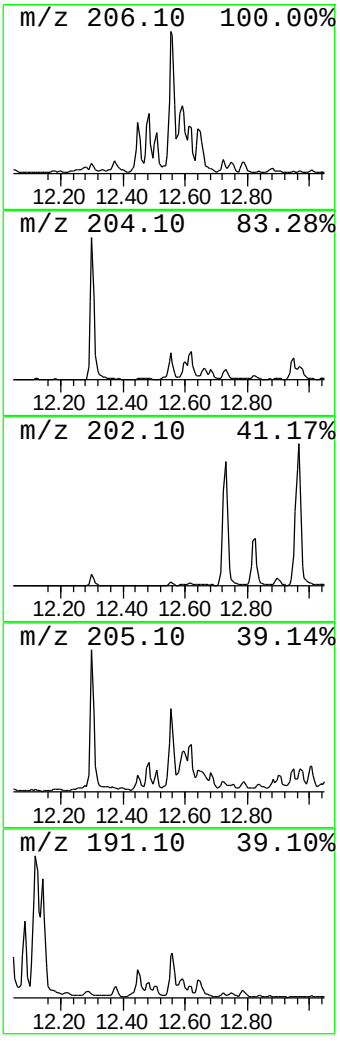
Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	14.24 ng	785163	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	76
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	76
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70





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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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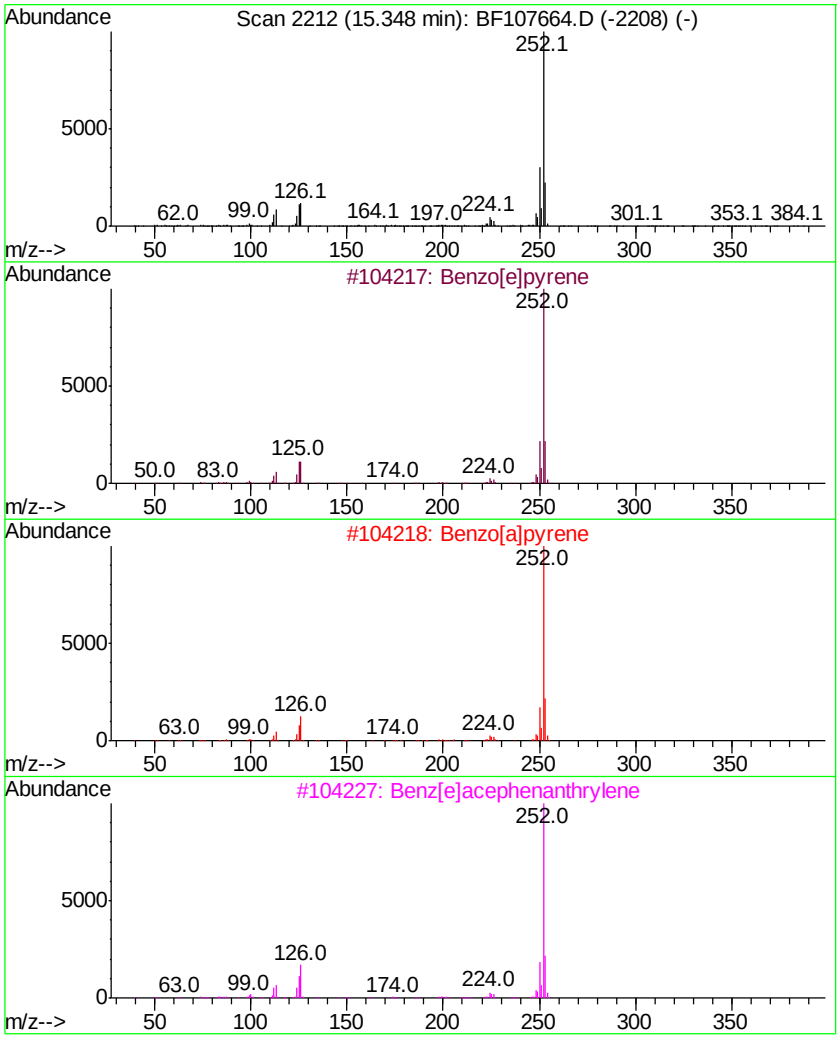
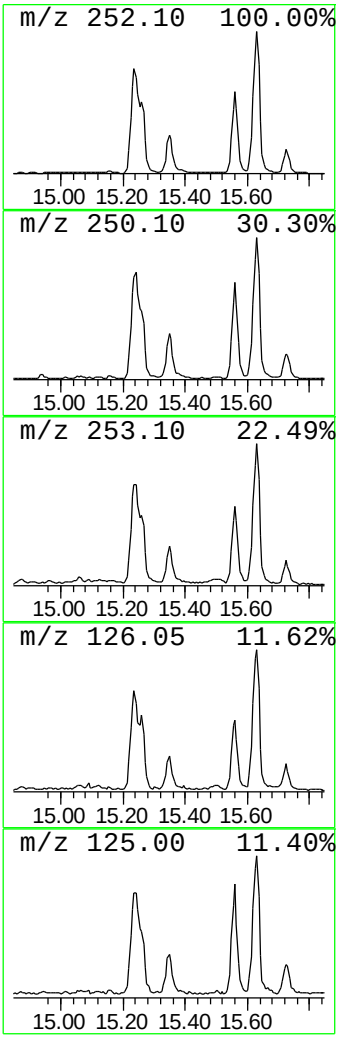
Peak Number 19 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	9.91 ng	572533	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107664.D
Acq On : 25 Jul 2018 18:28
Operator : JU/SJ
Sample : J4126-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

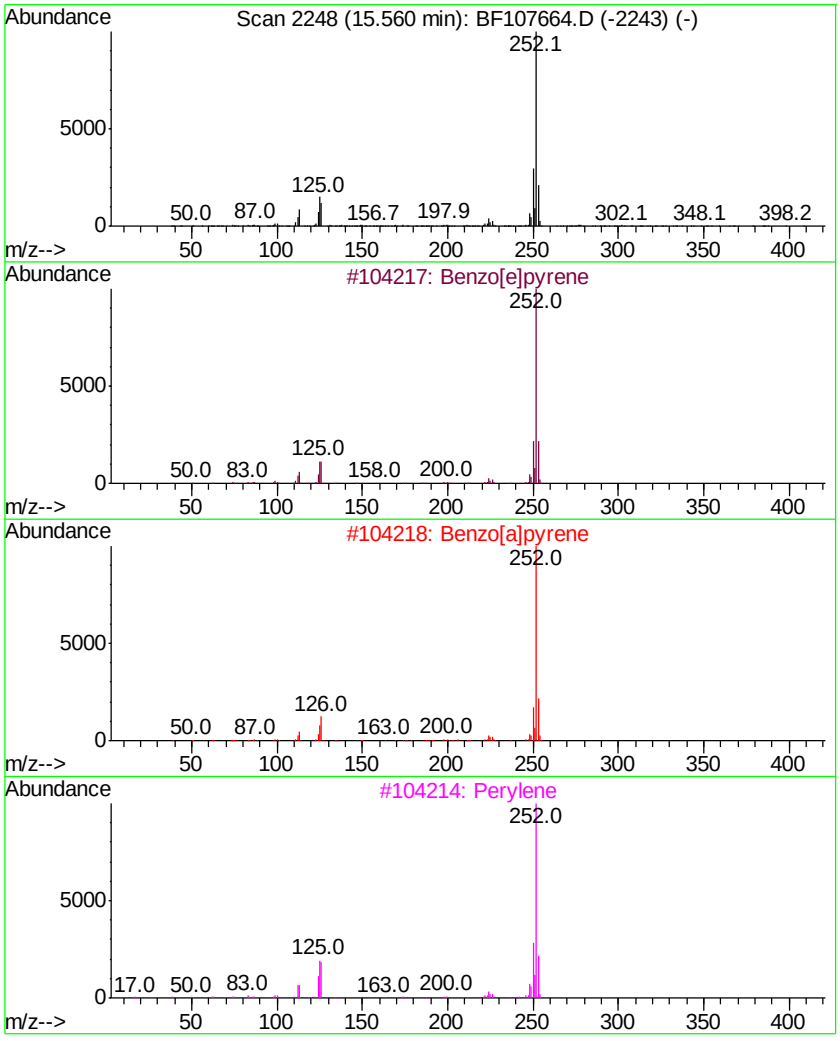
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

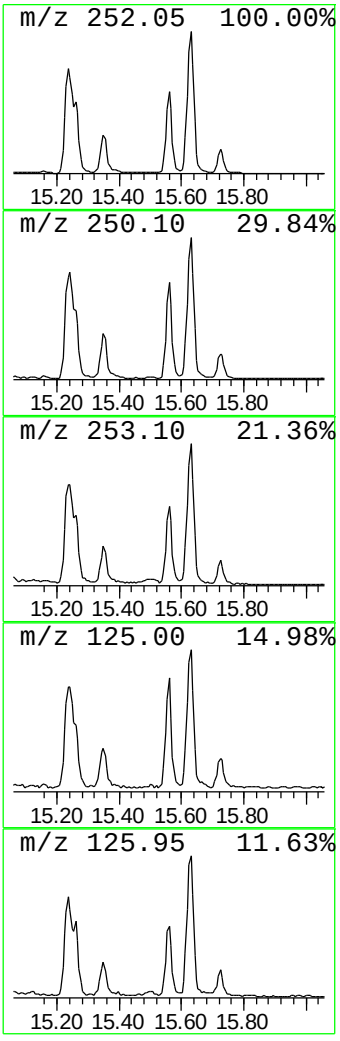
****

Peak Number 20 Perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	22.00 ng	1270420	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Perylene	252	C20H12	000198-55-0	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072518\
Data File : BF107664.D
Acq On : 25 Jul 2018 18:28
Operator : JU/SJ
Sample : J4126-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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
unknown6.74	6.74	22.3	ng	1389140	1	6.97	1246380	20.0
Naphthalene, 1-me...	9.06	18.1	ng	1306100	2	8.25	1443320	20.0
Naphthalene, 2-et...	9.52	9.1	ng	637739	3	10.01	1396590	20.0
Naphthalene, 2,7-...	9.60	11.9	ng	830941	3	10.01	1396590	20.0
Naphthalene, 2,3-...	9.78	9.2	ng	638982	3	10.01	1396590	20.0
1H-Phenalene	10.47	7.4	ng	518127	3	10.01	1396590	20.0
9H-Fluorene, 2-me...	11.11	11.4	ng	627683	4	11.51	1102480	20.0
Dibenzothiophene	11.40	18.1	ng	996480	4	11.51	1102480	20.0
Anthracene, 9-eth...	11.80	8.0	ng	438255	4	11.51	1102480	20.0
Phenanthrene, 1-m...	12.01	24.6	ng	1358270	4	11.51	1102480	20.0
Phenanthrene, 2-m...	12.04	27.6	ng	1521610	4	11.51	1102480	20.0
Anthracene, 1-met...	12.08	11.4	ng	630981	4	11.51	1102480	20.0
4H-Cyclopenta[def...	12.12	61.5	ng	3389520	4	11.51	1102480	20.0
Naphthalene, 2-ph...	12.30	22.3	ng	1230290	4	11.51	1102480	20.0
Phenanthrene, 3,6...	12.55	14.2	ng	785163	4	11.51	1102480	20.0
Benzo[e]pyrene	15.35	9.9	ng	572533	6	15.69	1155020	20.0
Perylene	15.56	22.0	ng	1270420	6	15.69	1155020	20.0