LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098982.D
Acq On : 1 Oct 2017 00:17
Operator : SJ/JU
Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-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:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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	6.440	737	740	743	rBV	120773	107970	3.63%	0.268%
2	6.681	778	781	788	rVB	88928	97556	3.28%	0.242%
3	6.739	788	791	794	rBV2	220461	201417	6.77%	0.500%
4	6.916	817	821	824	rBV	858719	674984	22.68%	1.676%
5	7.069	842	847	849	rBV3	74748	77170	2.59%	0.192%
6	7.092	849	851	857	rVB	149989	125754	4.23%	0.312%
7	7.175	860	865	870	rBV2	97195	113433	3.81%	0.282%
8	7.616	934	940	943	rBV3	69698	79915	2.69%	0.198%
9	7.945	991	996	999	rBV2	133741	170853	5.74%	0.424%
10	7.975	999	1001	1007	rVB	99065	116546	3.92%	0.289%
11	8.198	1036	1039	1041	rVV	962150	993766	33.40%	2.468%
12	8.222	1041	1043	1046	rVV	2949578	2282818	76.72%	5.670%
13	8.269	1049	1051	1054	rVB	135708	111191	3.74%	0.276%
14	8.910	1156	1160	1165	rBV	1802093	1541807	51.82%	3.829%
15	9.010	1172	1177	1180	rVB	1030739	816483	27.44%	2.028%
16	9.369	1235	1238	1244	rVB	328713	294645	9.90%	0.732%
17	9.469	1244	1255	1261	rVB	243169	271792	9.13%	0.675%
18	9.539	1261	1267	1271	rBV	389867	549380	18.46%	1.365%
19	9.610	1275	1279	1282	rVV	548721	567829	19.08%	1.410%
20	9.639	1282	1284	1287	rVV	410244	325989	10.96%	0.810%
21	9.728	1294	1299	1307	rVV	279550	324209	10.90%	0.805%
22	9.816	1311	1314	1318	rVB	306183	283355	9.52%	0.704%
23	9.933	1331	1334	1335	rBV	185719	156622	5.26%	0.389%
24	9.957	1335	1338	1340	rVV	767758	708093	23.80%	1.759%
25	9.986	1340	1343	1347	rVV	1682469	1425875	47.92%	3.541%
26	10.051	1351	1354	1359	rVB	56865	82379	2.77%	0.205%
27	10.157	1368	1372	1375	rBV	980999	838774	28.19%	2.083%
28	10.192	1375	1378	1382	rVB	158411	125375	4.21%	0.311%
29	10.263	1386	1390	1393	rBV2	174415	197004	6.62%	0.489%
30	10.298	1393	1396	1401	rVB2	139802	138044	4.64%	0.343%
31	10.357	1401	1406	1408	rBV2	111612	152595	5.13%	0.379%
32	10.404	1412	1414	1417	rBV	140803	125913	4.23%	0.313%
33	10.475	1424	1426	1427	rVV	108096	83870	2.82%	0.208%
34	10.504	1427	1431	1436	rVB	1322276	1213985	40.80%	3.015%

LSC Area Percent Report

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Data File : BF098982.D
Acq On : 1 Oct 2017 00:17
Operator : SJ/JU
Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-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:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.586	1443	1445	1447	rVV2	137175	117109	3.94%	0.291%
36	10.610	1447	1449	1451	rVV	132324	123035	4.13%	0.306%
37	10.633	1451	1453	1455	rVV	108972	113603	3.82%	0.282%
38	10.657	1455	1457	1460	rVV	295570	240559	8.08%	0.597%
39	10.739	1464	1471	1475	rBV2	354350	548438	18.43%	1.362%
40	10.863	1487	1492	1495	rVB5	75923	83989	2.82%	0.209%
41	11.045	1519	1523	1526	rBV2	218645	268557	9.03%	0.667%
42	11.075	1526	1528	1531	rVB	102391	84666	2.85%	0.210%
43	11.133	1535	1538	1541	rVV	121873	117755	3.96%	0.292%
44	11.175	1541	1545	1547	rVV2	126075	141040	4.74%	0.350%
45	11.198	1547	1549	1553	rVV2	128044	143353	4.82%	0.356%
46	11.245	1555	1557	1561	rVV2	119546	123975	4.17%	0.308%
47	11.286	1561	1564	1568	rVV	133728	143829	4.83%	0.357%
48	11.339	1568	1573	1578	rVB	321884	316752	10.65%	0.787%
49	11.445	1587	1591	1592	rBV	694647	649640	21.83%	1.614%
50	11.474	1592	1596	1599	rVV	3064827	2975532	100.00%	7.390%
51	11.522	1600	1604	1606	rVV	1652246	1344019	45.17%	3.338%
52	11.551	1606	1609	1612	rVB	132322	127795	4.29%	0.317%
53	11.669	1627	1629	1632	rBV	293973	238495	8.02%	0.592%
54	11.851	1656	1660	1665	rVB3	48118	77754	2.61%	0.193%
55	11.945	1669	1676	1678	rBV	414604	404691	13.60%	1.005%
56	11.969	1678	1680	1685	rVB	552833	506829	17.03%	1.259%
57	12.022	1685	1689	1692	rBV	382140	360487	12.12%	0.895%
58	12.057	1692	1695	1697	rVV	707155	728627	24.49%	1.810%
59	12.080	1697	1699	1702	rVV	279983	228088	7.67%	0.567%
60	12.239	1722	1726	1728	rVB	245427	229171	7.70%	0.569%
61	12.492	1763	1769	1772	rBV2	207251	274938	9.24%	0.683%
62	12.533	1772	1776	1778	rVV	175855	229928	7.73%	0.571%
63	12.574	1781	1783	1789	rVB3	82900	129236	4.34%	0.321%
64	12.663	1793	1798	1801	rBV	2153501	2121841	71.31%	5.270%
65	12.751	1810	1813	1816	rBV	408626	337872	11.36%	0.839%
66	12.810	1819	1823	1830	rVB3	93832	151014	5.08%	0.375%
67	12.869	1830	1833	1834	rBV	429666	411659	13.83%	1.022%
68	12.892	1834	1837	1842	rVV	1694975	1724382	57.95%	4.283%
69	12.933	1842	1844	1849	rVB2	151251	185605	6.24%	0.461%
70	13.004	1849	1856	1861	rBV2	187830	285377	9.59%	0.709%
71	13.045	1861	1863	1867	rVB	107480	88891	2.99%	0.221%

LSC Area Percent Report

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Acq On : 1 Oct 2017 00:17
Operator : SJ/JU
Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-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:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.098	1867	1872	1876	rBV3	158582	284288	9.55%	0.706%
73	13.192	1884	1888	1889	rVV3	126423	174651	5.87%	0.434%
74	13.210	1889	1891	1895	rVB	475374	453025	15.23%	1.125%
75	13.280	1900	1903	1905	rVV	528897	469336	15.77%	1.166%
76	13.316	1905	1909	1912	rVV2	274436	340120	11.43%	0.845%
77	13.380	1916	1920	1922	rVV2	118474	151489	5.09%	0.376%
78	13.410	1922	1925	1928	rVV	133827	161064	5.41%	0.400%
79	13.439	1928	1930	1936	rVB2	153639	205756	6.91%	0.511%
80	13.692	1970	1973	1976	rBV2	92535	114000	3.83%	0.283%
81	13.857	1999	2001	2004	rVV	159900	140620	4.73%	0.349%
82	13.886	2004	2006	2013	rVB3	101171	159772	5.37%	0.397%
83	14.074	2035	2038	2042	rVV3	1250865	1735706	58.33%	4.311%
84	14.110	2042	2044	2050	rVB	846738	715084	24.03%	1.776%
85	14.192	2055	2058	2061	rVV	126910	126530	4.25%	0.314%
86	14.227	2061	2064	2068	rVV	108691	112774	3.79%	0.280%
87	14.268	2069	2071	2074	rVB	86288	78850	2.65%	0.196%
88	14.304	2074	2077	2081	rBV3	94170	126064	4.24%	0.313%
89	14.468	2102	2105	2108	rVB	187245	168069	5.65%	0.417%
90	14.563	2119	2121	2124	rVV	96260	87065	2.93%	0.216%
91	14.592	2124	2126	2128	rVV2	86873	80045	2.69%	0.199%
92	14.615	2128	2130	2134	rVB2	132815	119044	4.00%	0.296%
93	15.139	2214	2219	2222	rBV	380313	628825	21.13%	1.562%
94	15.251	2234	2238	2241	rVB	120127	142204	4.78%	0.353%
95	15.451	2268	2272	2277	rVB	211520	282957	9.51%	0.703%
96	15.515	2278	2283	2289	rVV	377339	475881	15.99%	1.182%
97	15.580	2289	2294	2297	rVV	347627	479378	16.11%	1.191%
98	15.610	2297	2299	2306	rVB2	112431	142866	4.80%	0.355%
99	17.086	2545	2550	2558	rVB2	111671	225132	7.57%	0.559%
100	17.551	2624	2629	2635	rBV	69150	125762	4.23%	0.312%

Sum of corrected areas: 40262279

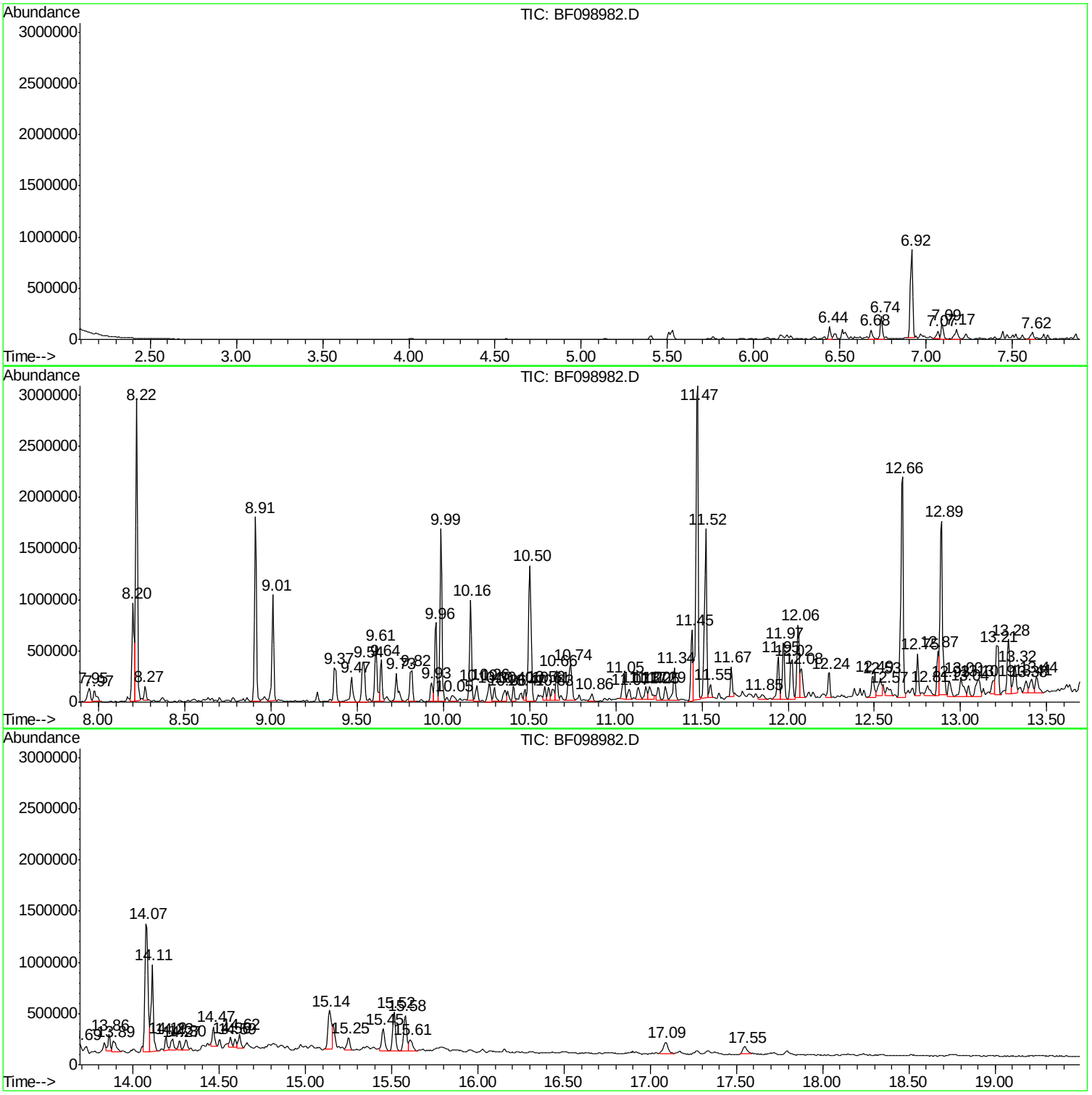
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098982.D
Acq On : 1 Oct 2017 00:17
Operator : SJ/JU
Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098982.D
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

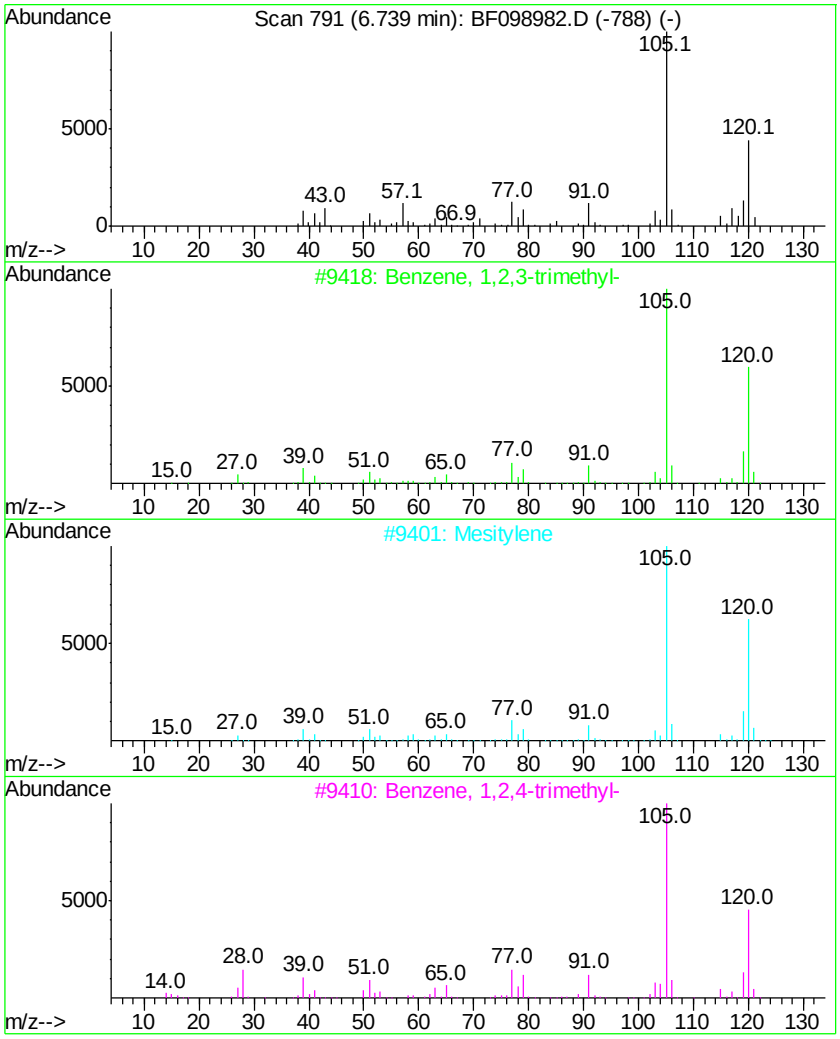
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

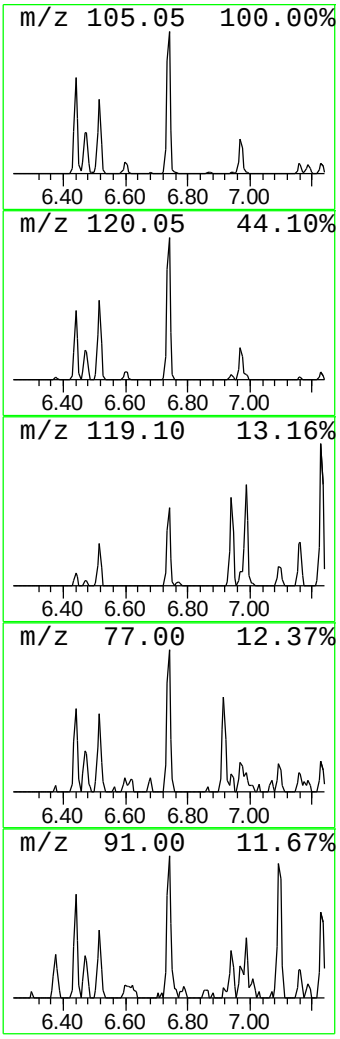
****

Peak Number 1 Benzene, 1,2,3-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	5.97 ng	201417	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Mesitylene	120	C9H12	000108-67-8	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

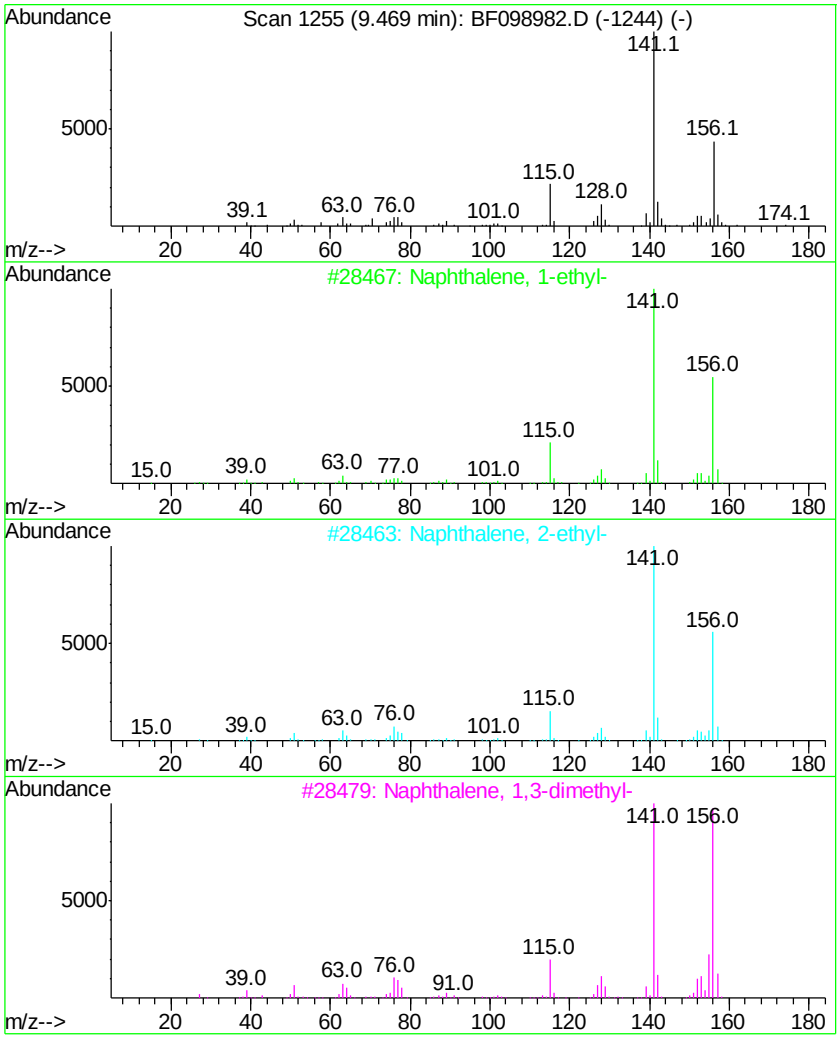
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

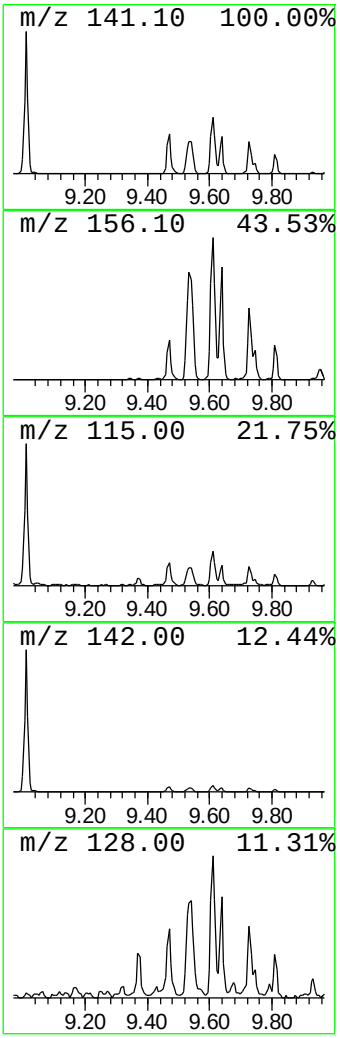
****

Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	7.68 ng	271792	Acenaphthene-d10	9.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
4	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
5	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	59





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Misc :
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Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

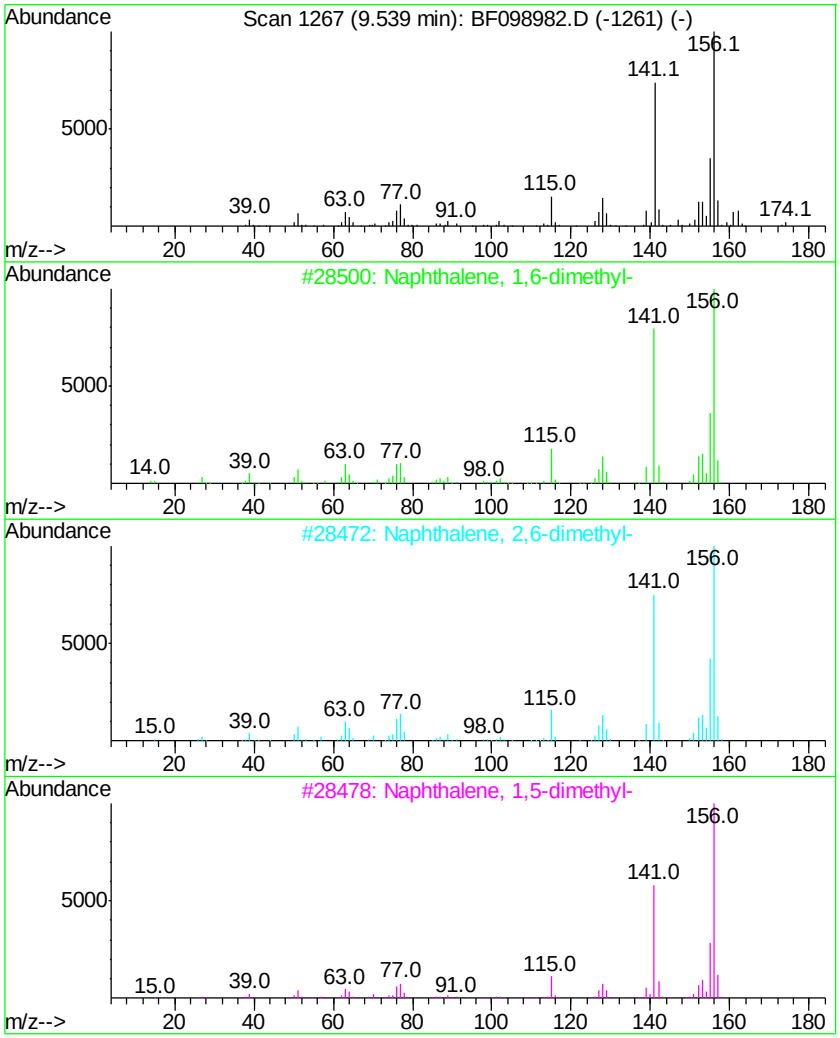
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

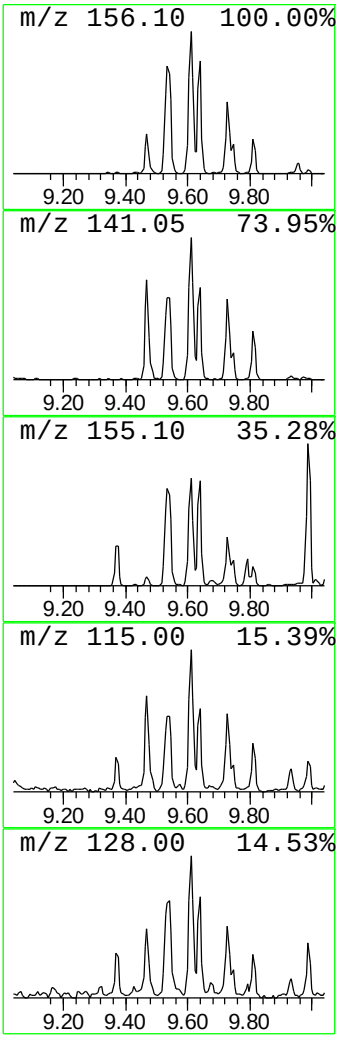
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	15.52 ng	549380	Acenaphthene-d10	9.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098982.D
Acq On : 1 Oct 2017 00:17
Operator : SJ/JU
Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

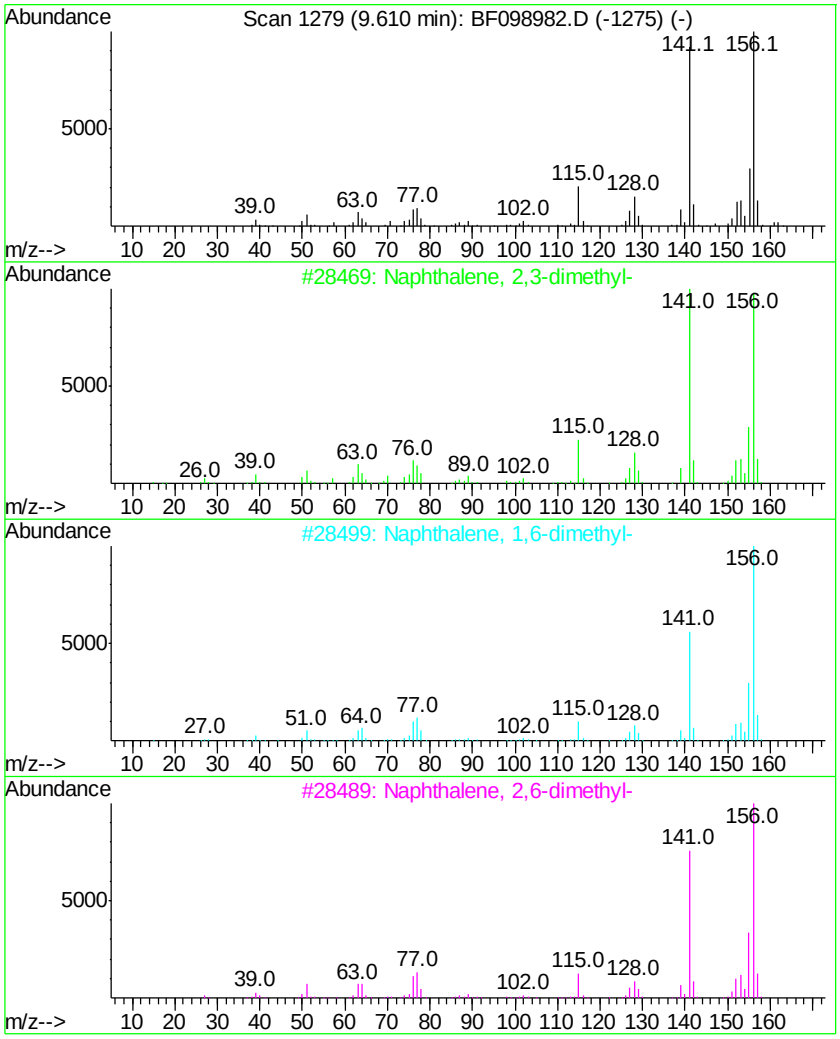
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

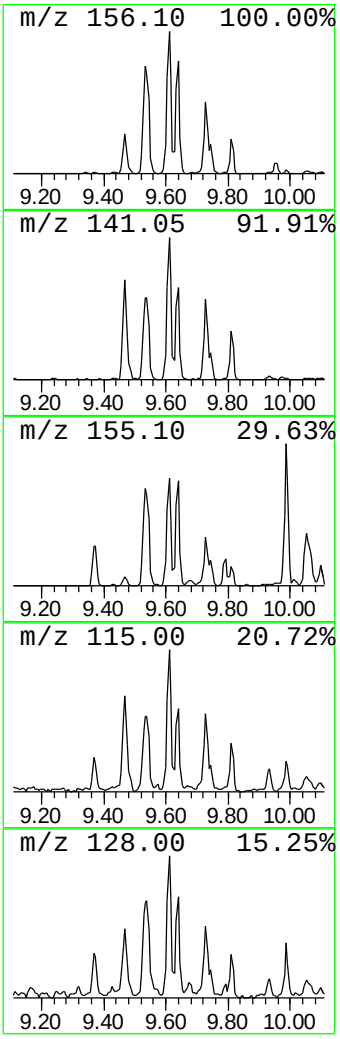
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	16.04 ng	567829	Acenaphthene-d10	9.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098982.D
Acq On : 1 Oct 2017 00:17
Operator : SJ/JU
Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

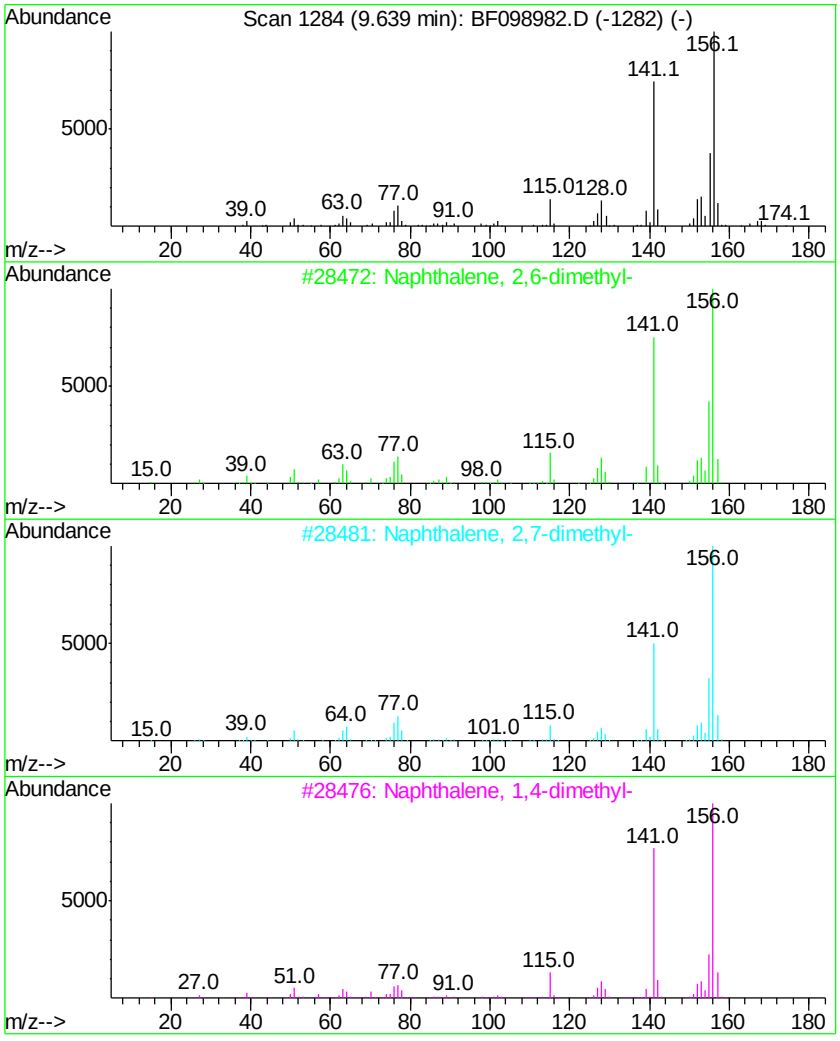
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

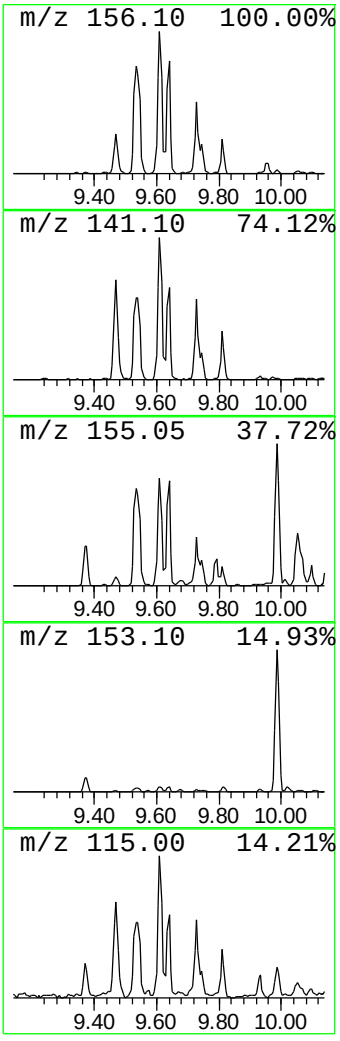
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	9.21 ng	325989	Acenaphthene-d10	9.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Acq On : 1 Oct 2017 00:17
Operator : SJ/JU
Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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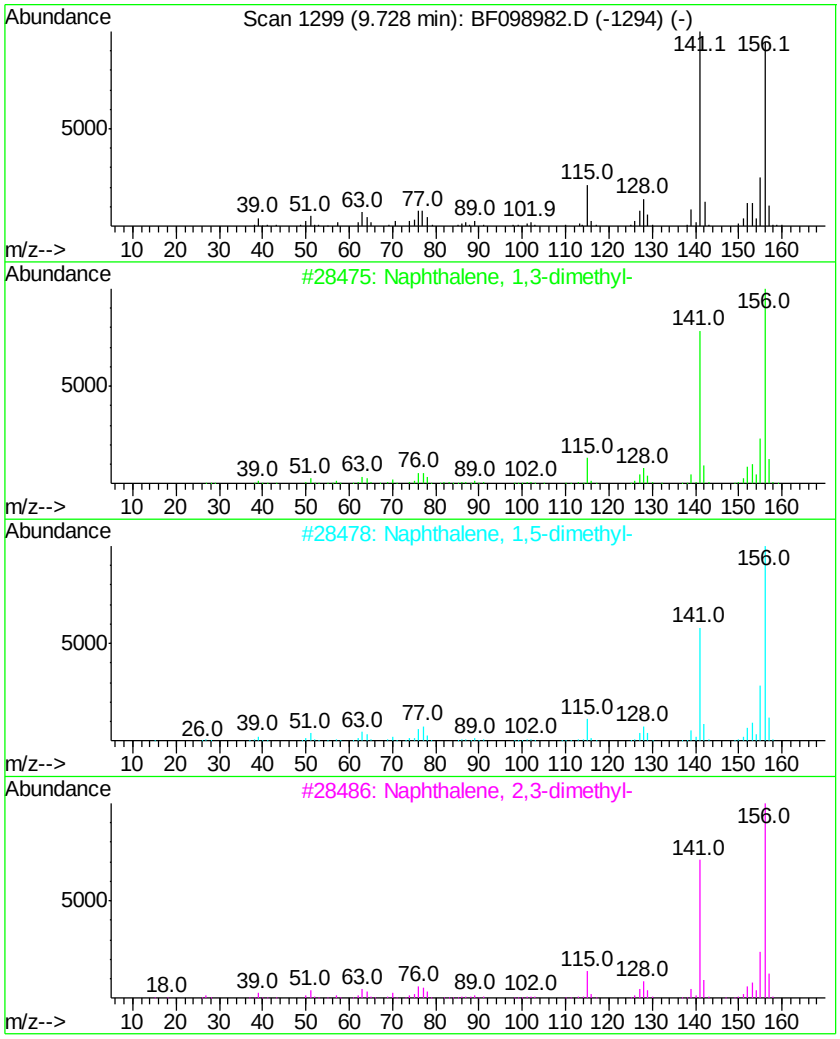
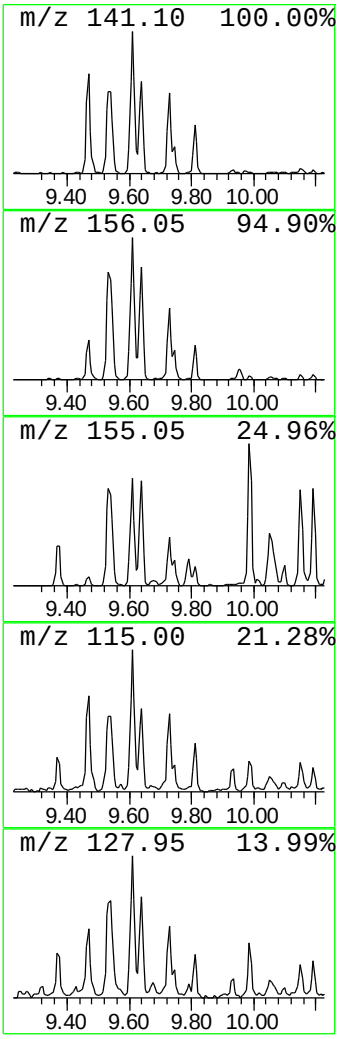
Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	9.16 ng	324209	Acenaphthene-d10	9.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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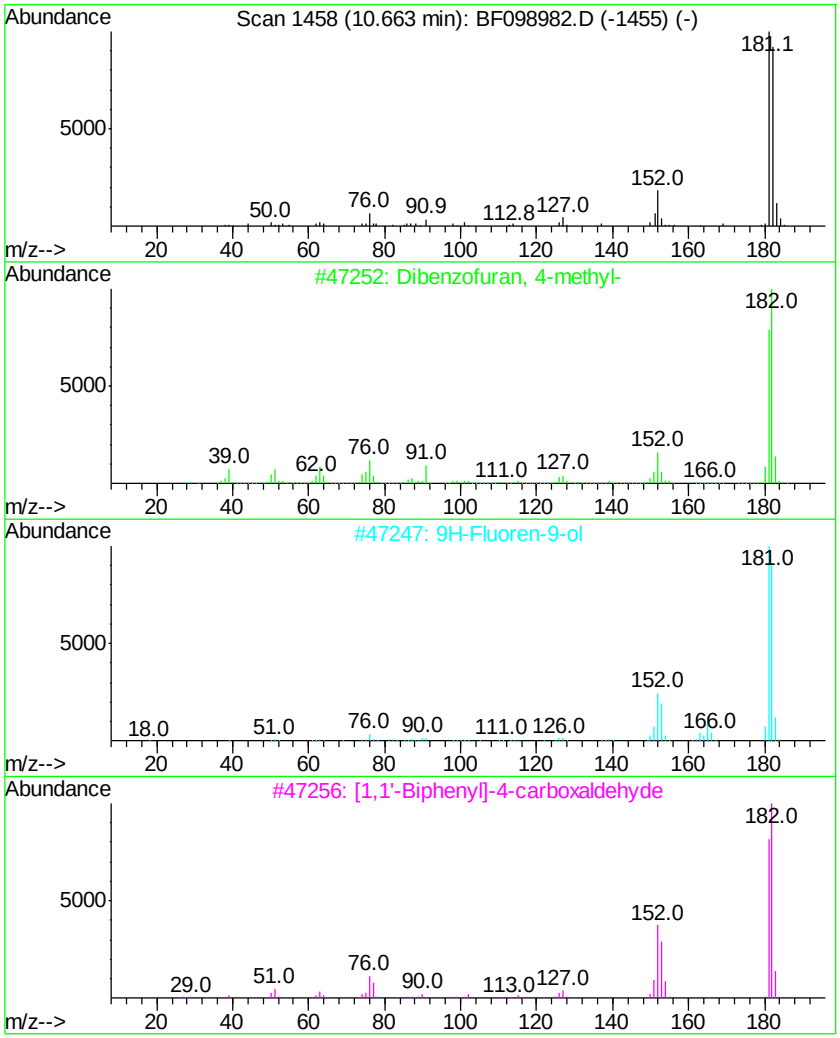
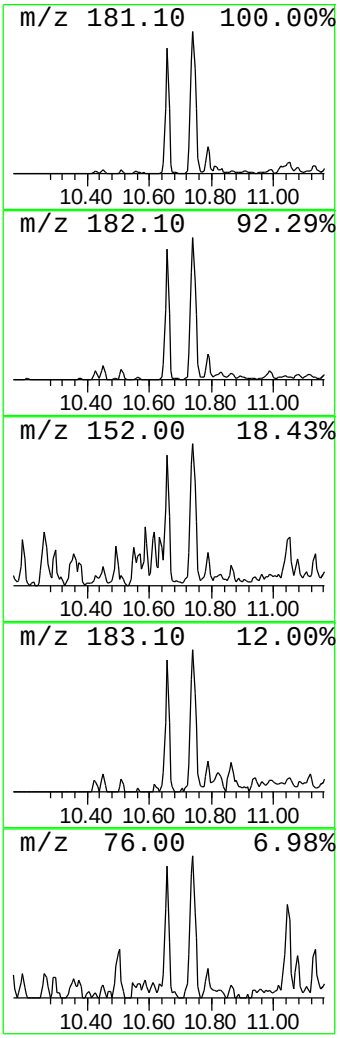
Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	6.79 ng	240559	Acenaphthene-d10	9.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	9H-Xanthene	182	C13H10O	000092-83-1	60





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Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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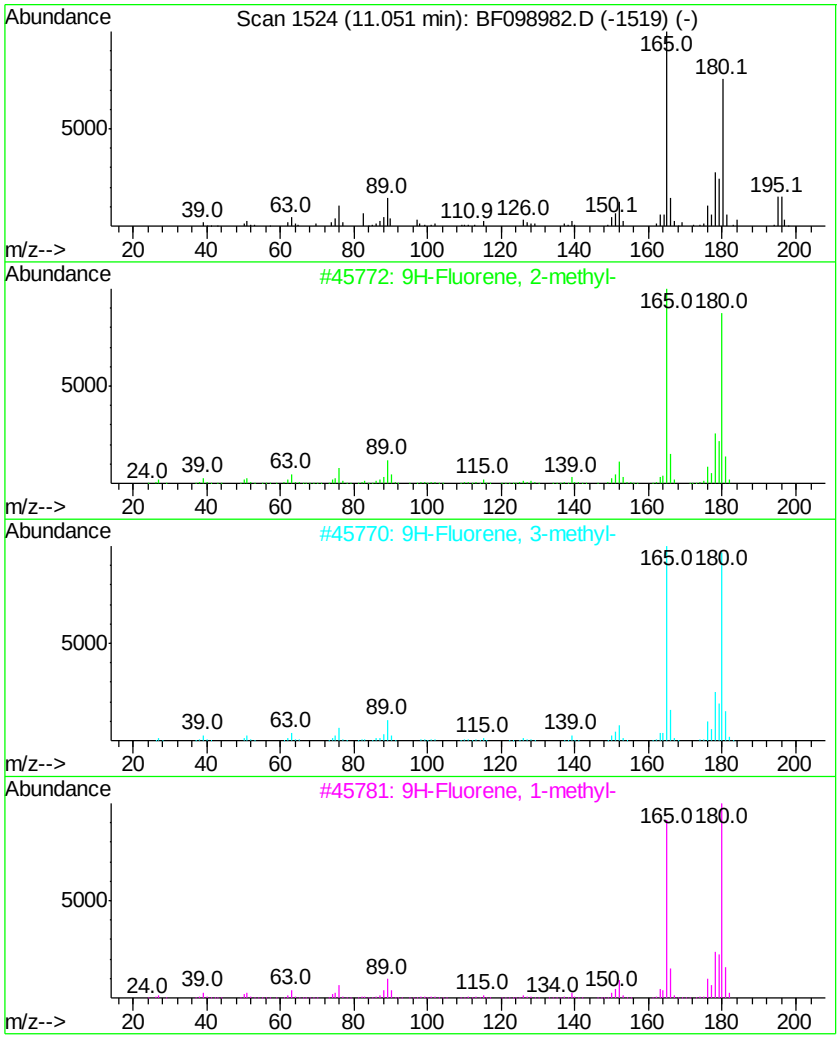
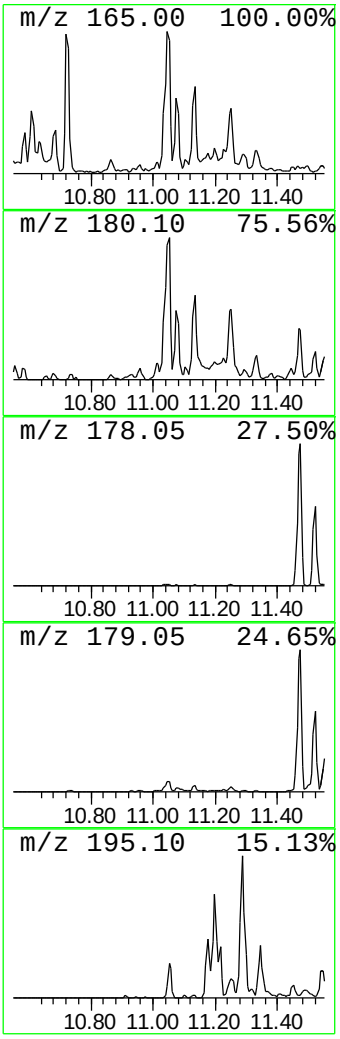
Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	8.27 ng	268557	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	80





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Acq On : 1 Oct 2017 00:17
Operator : SJ/JU
Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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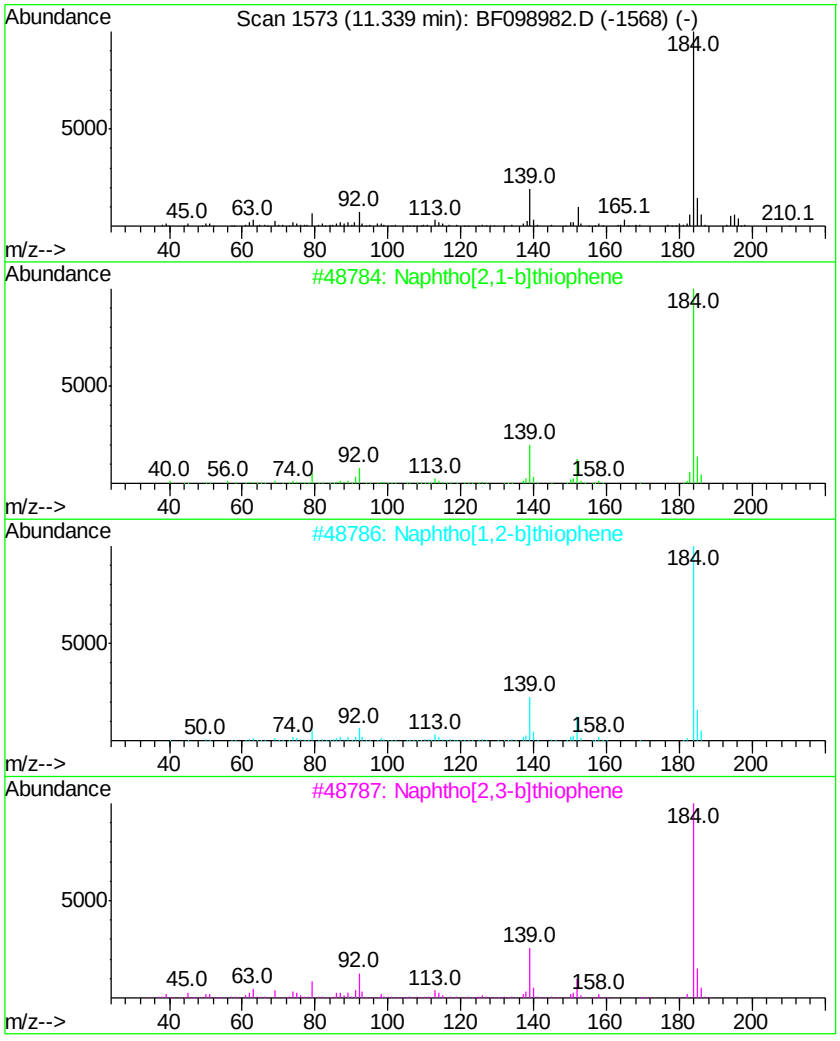
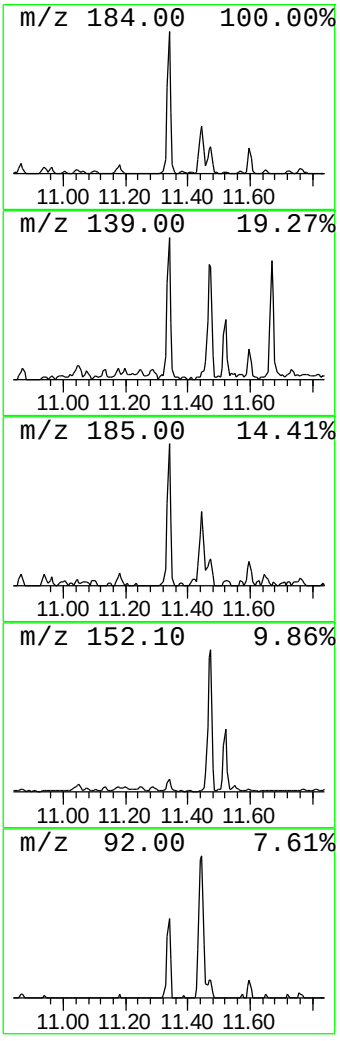
Peak Number 10 Naphtho[2,1-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	9.75 ng	316752	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Acq On : 1 Oct 2017 00:17
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Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-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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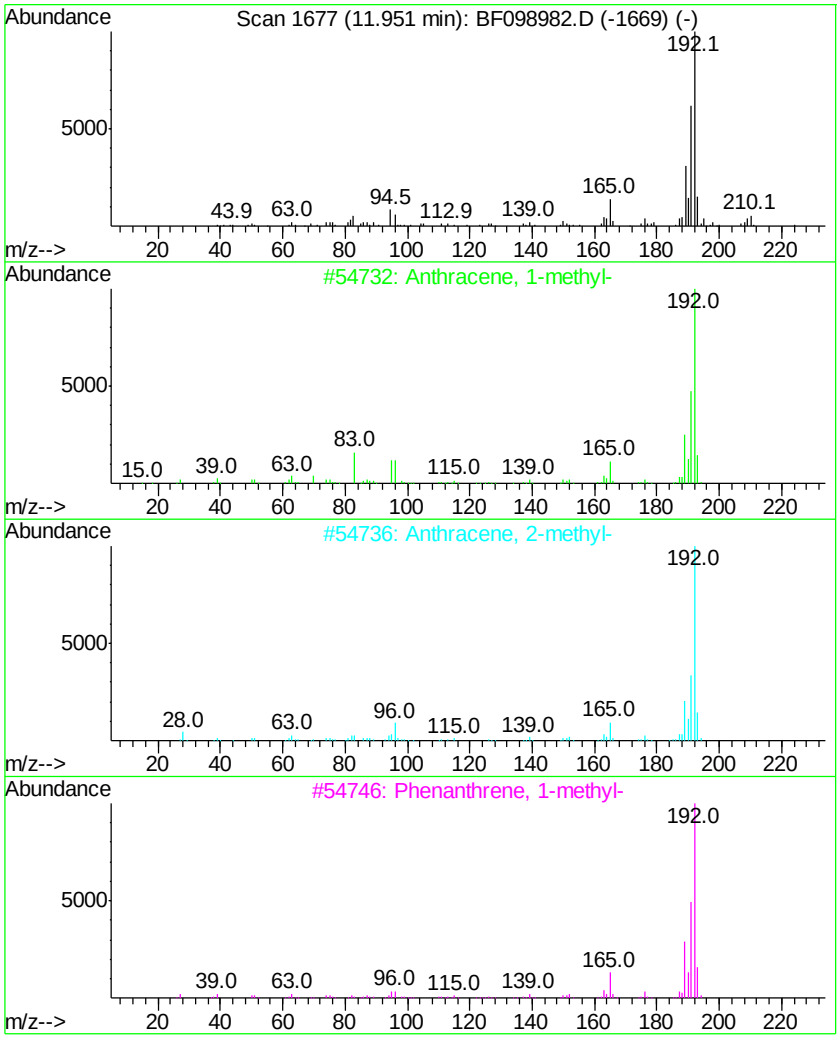
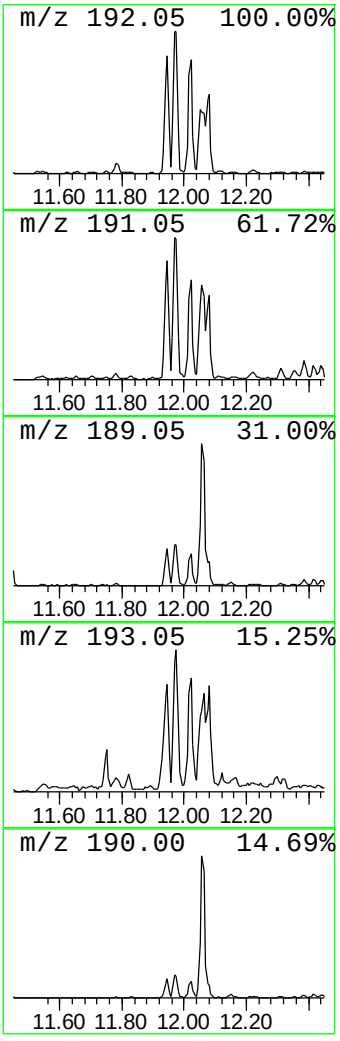
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	12.46 ng	404691	Phenanthrene-d10	11.45

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





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Acq On : 1 Oct 2017 00:17
Operator : SJ/JU
Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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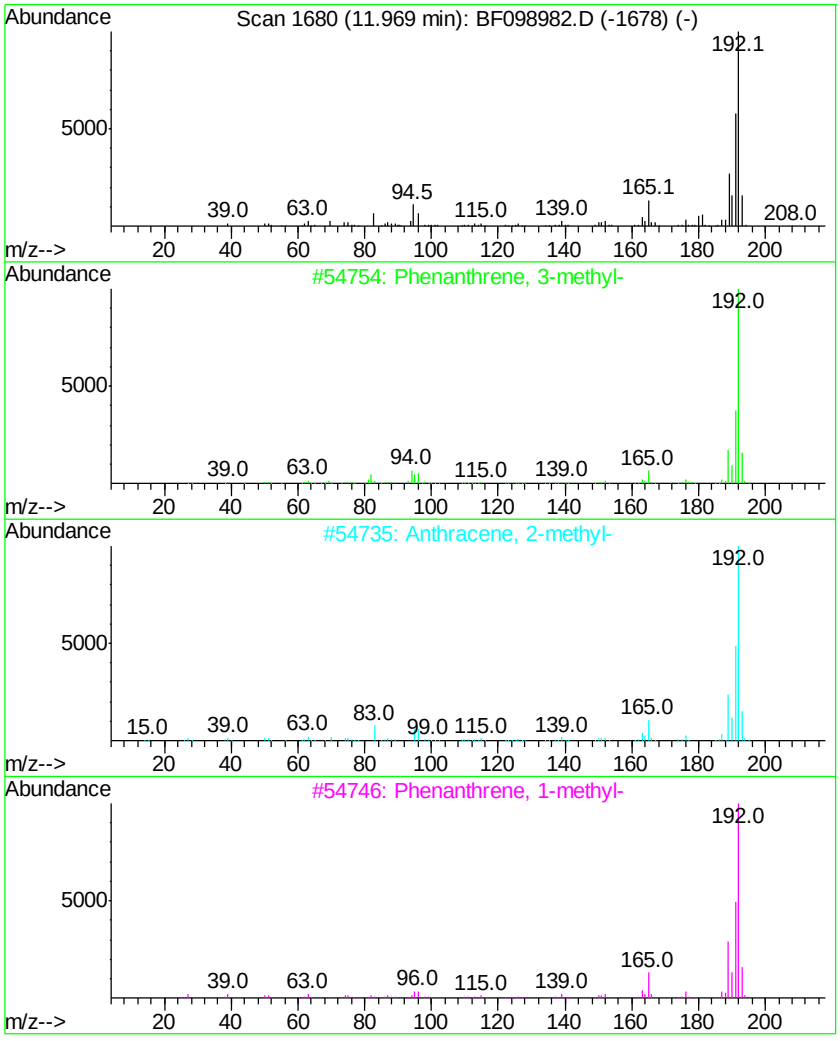
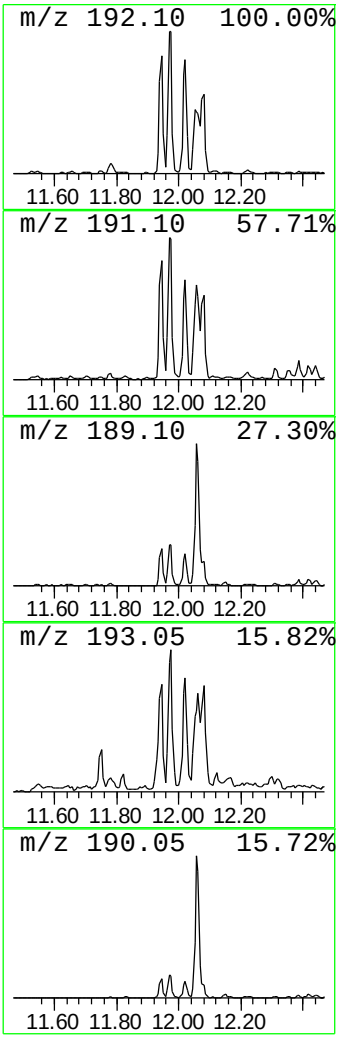
Peak Number 12 Phenanthrene, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	15.60 ng	506829	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Acq On : 1 Oct 2017 00:17
Operator : SJ/JU
Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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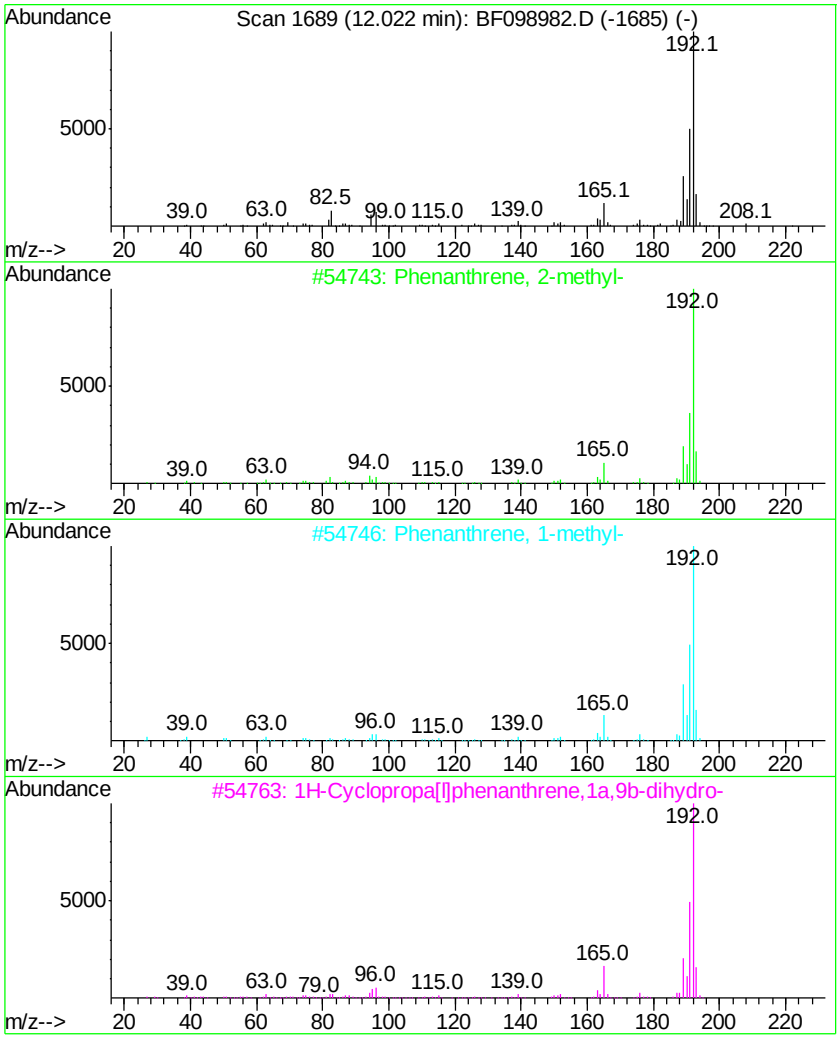
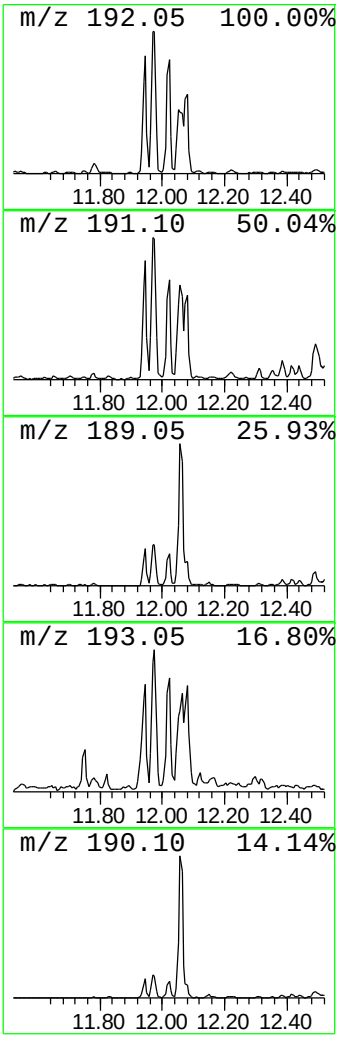
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	11.10 ng	360487	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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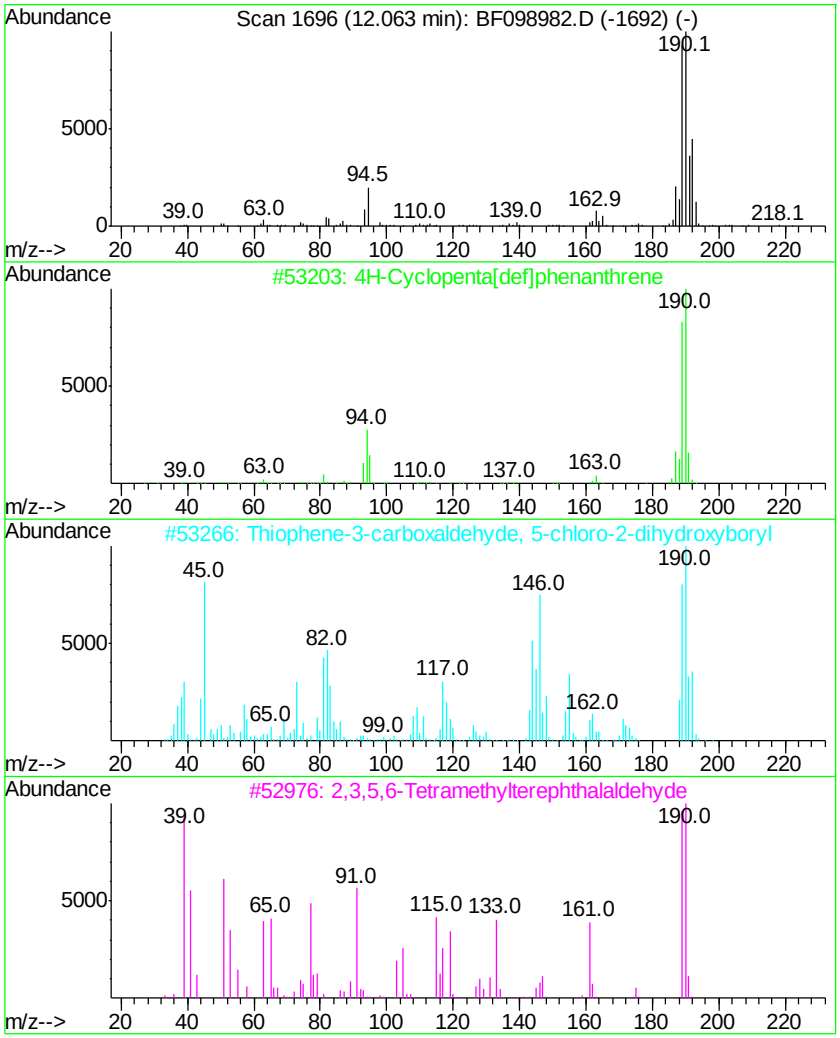
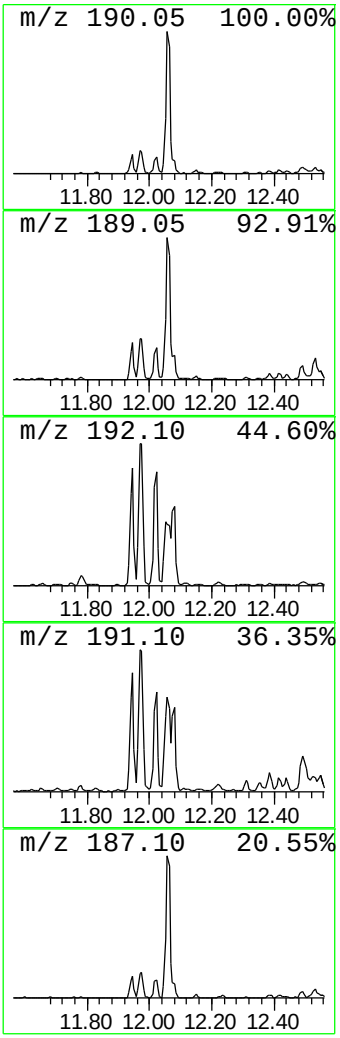
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	22.43 ng	728627	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	47
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	17





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Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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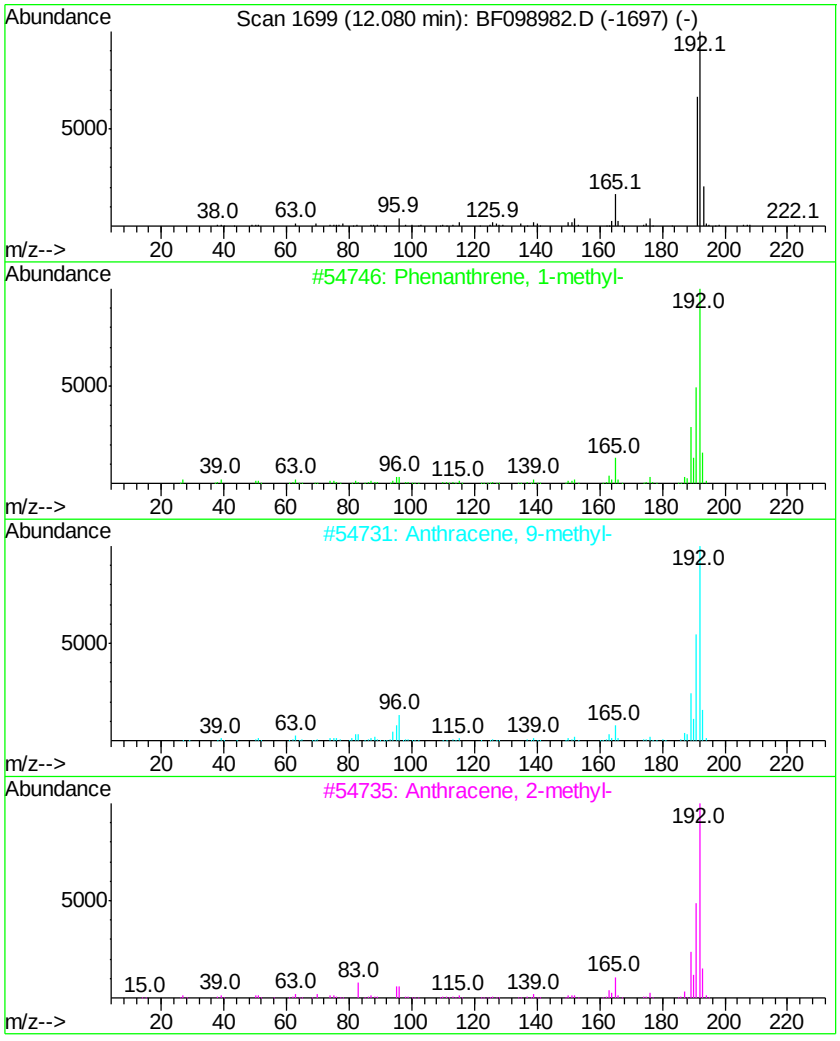
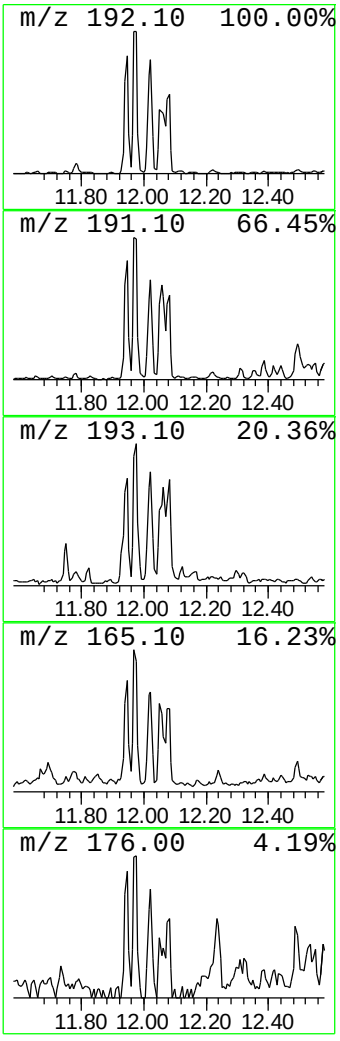
Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	7.02 ng	228088	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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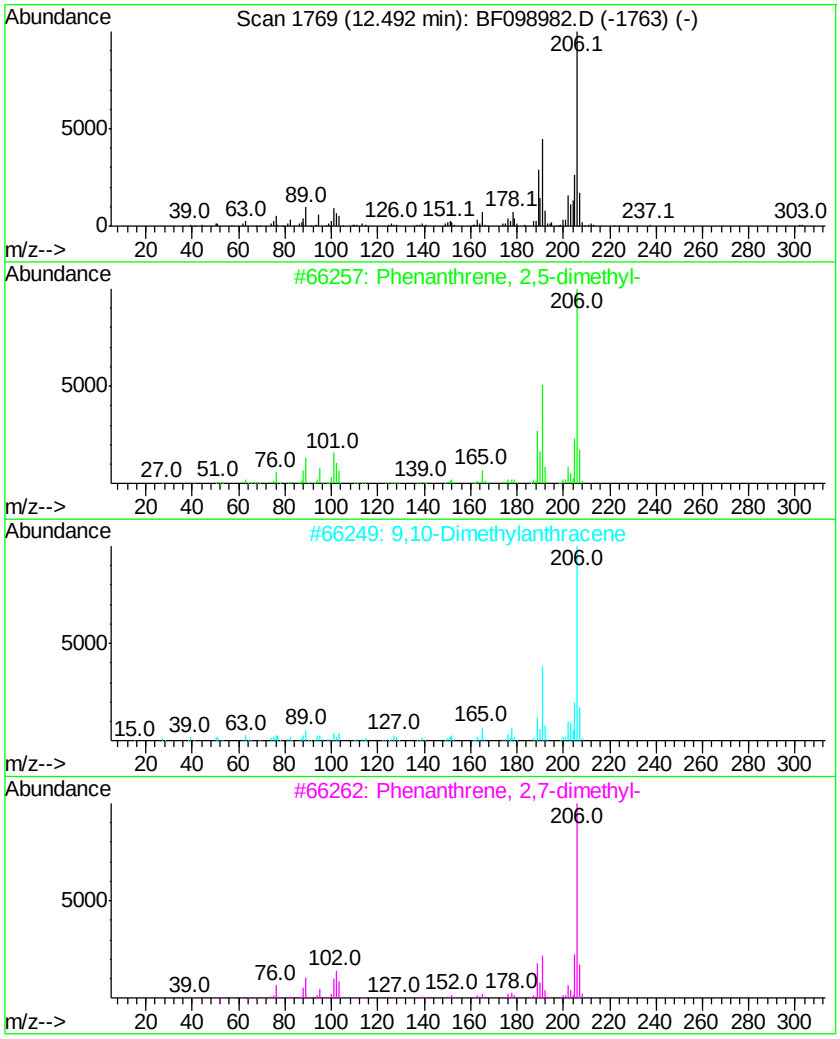
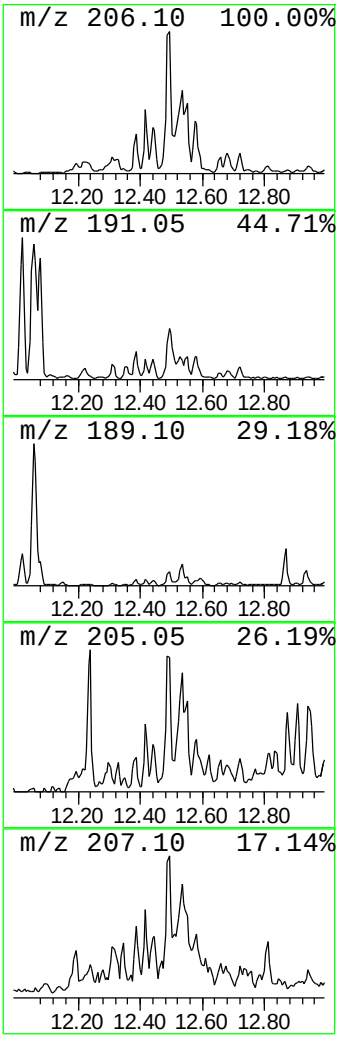
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	8.46 ng	274938	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-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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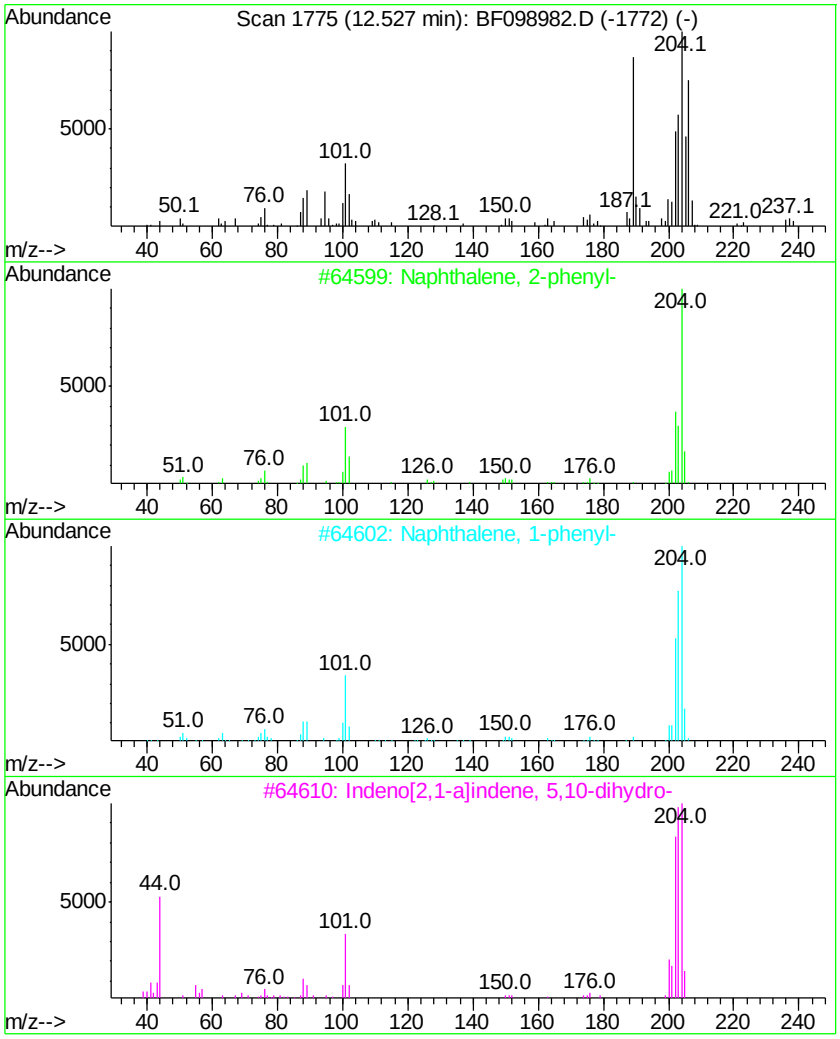
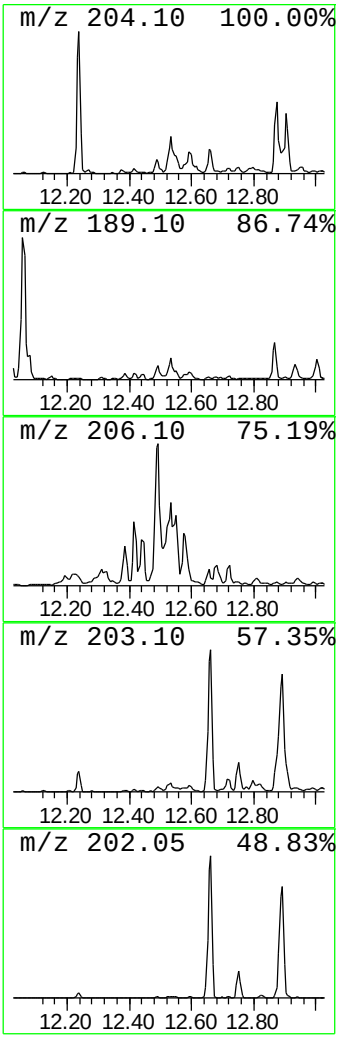
Peak Number 18 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	7.08 ng	229928	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	45
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42





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Acq On : 1 Oct 2017 00:17
Operator : SJ/JU
Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

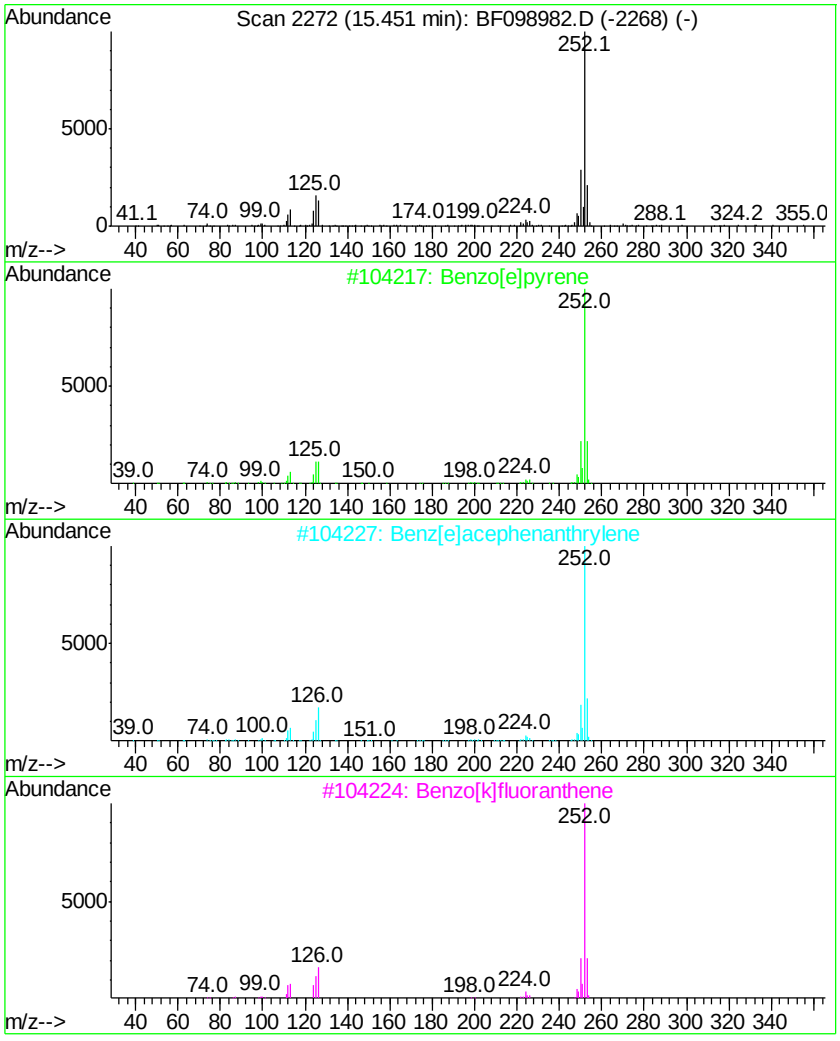
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

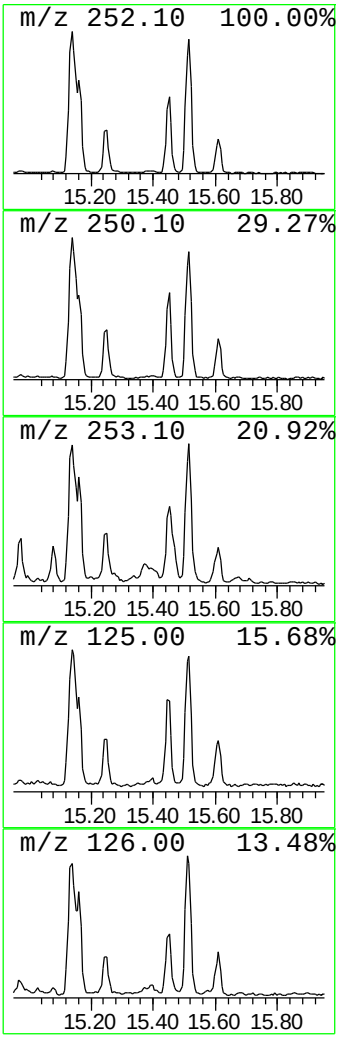
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	11.81 ng	282957	Perylene-d12	15.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093017\
Data File : BF098982.D
Acq On : 1 Oct 2017 00:17
Operator : SJ/JU
Sample : I5563-08 50X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-SB-ESMI-8

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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
Benzene, 1,2,3-tr...	6.74	6.0	ng	201417	1	6.92	674984	20.0
Naphthalene, 1-et...	9.47	7.7	ng	271792	3	9.96	708093	20.0
Naphthalene, 1,6-...	9.54	15.5	ng	549380	3	9.96	708093	20.0
Naphthalene, 2,3-...	9.61	16.0	ng	567829	3	9.96	708093	20.0
Naphthalene, 2,6-...	9.64	9.2	ng	325989	3	9.96	708093	20.0
Naphthalene, 1,3-...	9.73	9.2	ng	324209	3	9.96	708093	20.0
Dibenzofuran, 4-m...	10.66	6.8	ng	240559	3	9.96	708093	20.0
9H-Fluorene, 2-me...	11.05	8.3	ng	268557	4	11.45	649640	20.0
Naphtho[2,1-b]thi...	11.34	9.8	ng	316752	4	11.45	649640	20.0
Anthracene, 1-met...	11.95	12.5	ng	404691	4	11.45	649640	20.0
Phenanthrene, 3-m...	11.97	15.6	ng	506829	4	11.45	649640	20.0
Phenanthrene, 2-m...	12.02	11.1	ng	360487	4	11.45	649640	20.0
4H-Cyclopenta[def...	12.06	22.4	ng	728627	4	11.45	649640	20.0
Phenanthrene, 1-m...	12.08	7.0	ng	228088	4	11.45	649640	20.0
Phenanthrene, 2,5...	12.49	8.5	ng	274938	4	11.45	649640	20.0
Naphthalene, 2-ph...	12.53	7.1	ng	229928	4	11.45	649640	20.0
Benzo[e]pyrene	15.45	11.8	ng	282957	6	15.58	479378	20.0