LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108086.D
Acq On : 10 Aug 2018 16:16
Operator : JU/SJ
Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

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-BF080818.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	5.236	490	493	499	rVB	210878	214997	3.21%	0.239%
2	5.630	556	560	563	rBV	1212792	1148747	17.17%	1.276%
3	6.619	724	728	734	rBV	1476345	1285034	19.20%	1.428%
4	6.777	751	755	759	rBV	1447721	1244407	18.60%	1.383%
5	7.019	792	796	799	rBV	2136589	1900344	28.40%	2.111%
6	7.171	818	822	825	rBV	1163757	918000	13.72%	1.020%
7	7.571	886	890	893	rBV	1020659	781262	11.67%	0.868%
8	8.301	1010	1014	1016	rBV	3066932	2482344	37.09%	2.758%
9	9.371	1192	1196	1200	rBV	1756366	1422364	21.25%	1.580%
10	9.477	1211	1214	1220	rVB	199069	172766	2.58%	0.192%
11	9.648	1238	1243	1245	rBV2	190278	265184	3.96%	0.295%
12	9.718	1250	1255	1258	rVB	325819	302091	4.51%	0.336%
13	9.765	1258	1263	1265	rBV	287174	265106	3.96%	0.295%
14	9.836	1270	1275	1277	rBV2	160037	151204	2.26%	0.168%
15	9.924	1286	1290	1293	rVB	536354	443152	6.62%	0.492%
16	10.036	1307	1309	1311	rBV	174209	169961	2.54%	0.189%
17	10.065	1311	1314	1317	rVV	3039467	2640592	39.46%	2.934%
18	10.095	1317	1319	1322	rVB	1530075	1265751	18.91%	1.406%
19	10.160	1327	1330	1335	rBV	196565	244874	3.66%	0.272%
20	10.260	1344	1347	1351	rVB2	276403	310825	4.64%	0.345%
21	10.301	1351	1354	1358	rVB	234214	198895	2.97%	0.221%
22	10.371	1362	1366	1369	rBV2	231779	303167	4.53%	0.337%
23	10.407	1369	1372	1374	rVV	165698	161179	2.41%	0.179%
24	10.471	1378	1383	1385	rBV3	145277	210959	3.15%	0.234%
25	10.518	1388	1391	1393	rBV	255619	218760	3.27%	0.243%
26	10.583	1400	1402	1404	rBV	155985	137030	2.05%	0.152%
27	10.612	1404	1407	1412	rVB	1132458	1057074	15.80%	1.174%
28	10.665	1413	1416	1418	rVV	165889	167280	2.50%	0.186%
29	10.701	1419	1422	1424	rVV2	204239	209536	3.13%	0.233%
30	10.724	1424	1426	1429	rVV	290038	261463	3.91%	0.290%
31	10.854	1441	1448	1452	rBV2	932651	1093600	16.34%	1.215%
32	10.977	1463	1469	1474	rBV3	184673	298387	4.46%	0.332%
33	11.165	1496	1501	1503	rBV2	408049	511930	7.65%	0.569%
34	11.189	1503	1505	1508	rVV	221869	203891	3.05%	0.227%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108086.D
Acq On : 10 Aug 2018 16:16
Operator : JU/SJ
Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.248	1512	1515	1518	rVV	225810	189320	2.83%	0.210%
36	11.312	1524	1526	1530	rVV3	156529	193405	2.89%	0.215%
37	11.365	1532	1535	1538	rVV	207073	192659	2.88%	0.214%
38	11.459	1544	1551	1555	rVB	581181	668784	9.99%	0.743%
39	11.565	1564	1569	1570	rBV	2316746	2327842	34.79%	2.586%
40	11.589	1570	1573	1576	rVV	6626495	6384982	95.41%	7.094%
41	11.636	1578	1581	1584	rVV	2347449	2198508	32.85%	2.443%
42	11.665	1584	1586	1589	rVB3	191784	198126	2.96%	0.220%
43	11.854	1616	1618	1622	rVV	455904	365951	5.47%	0.407%
44	11.895	1622	1625	1631	rVV2	302869	299671	4.48%	0.333%
45	11.971	1635	1638	1642	rVB2	135558	157159	2.35%	0.175%
46	12.065	1650	1654	1656	rBV	1353119	1114148	16.65%	1.238%
47	12.095	1656	1659	1662	rVV	1314867	1131598	16.91%	1.257%
48	12.142	1664	1667	1670	rVV	731322	639577	9.56%	0.711%
49	12.183	1670	1674	1681	rVB3	1979758	2816838	42.09%	3.129%
50	12.359	1701	1704	1707	rVB	1210502	945189	14.12%	1.050%
51	12.512	1724	1730	1733	rBV	305028	366841	5.48%	0.408%
52	12.612	1744	1747	1751	rBV	659162	711784	10.64%	0.791%
53	12.659	1751	1755	1756	rVV2	302189	354319	5.29%	0.394%
54	12.671	1756	1757	1760	rVB	330152	266946	3.99%	0.297%
55	12.706	1760	1763	1764	rBV2	185771	202402	3.02%	0.225%
56	12.789	1772	1777	1780	rBV	5600296	5152377	76.99%	5.724%
57	12.818	1780	1782	1785	rVV2	546046	491455	7.34%	0.546%
58	12.848	1785	1787	1789	rVV2	178078	159536	2.38%	0.177%
59	12.877	1789	1792	1796	rVV	1425012	1329687	19.87%	1.477%
60	12.936	1799	1802	1803	rVV	203078	181077	2.71%	0.201%
61	12.953	1803	1805	1809	rVB	319203	300113	4.48%	0.333%
62	13.024	1809	1817	1821	rBV	5666802	6692039	100.00%	7.435%
63	13.065	1821	1824	1827	rVB3	207160	225257	3.37%	0.250%
64	13.148	1831	1838	1841	rVV2	1257979	1248035	18.65%	1.387%
65	13.230	1848	1852	1857	rBV3	400247	609539	9.11%	0.677%
66	13.318	1863	1867	1868	rVV3	383362	420047	6.28%	0.467%
67	13.342	1868	1871	1874	rVB	1146910	1054045	15.75%	1.171%
68	13.406	1879	1882	1885	rVV	980417	948248	14.17%	1.053%
69	13.448	1885	1889	1891	rVV	730920	683289	10.21%	0.759%
70	13.512	1896	1900	1903	rVV	429845	529127	7.91%	0.588%
71	13.542	1903	1905	1907	rVV	520901	483986	7.23%	0.538%

LSC Area Percent Report

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Data File : BF108086.D
Acq On : 10 Aug 2018 16:16
Operator : JU/SJ
Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.571	1907	1910	1916	rVB	683620	772275	11.54%	0.858%
73	13.824	1949	1953	1954	rBV2	148418	165021	2.47%	0.183%
74	13.942	1970	1973	1975	rBV2	150300	169307	2.53%	0.188%
75	13.965	1975	1977	1979	rVV	269887	219999	3.29%	0.244%
76	13.995	1979	1982	1984	rVV	564564	419252	6.26%	0.466%
77	14.018	1984	1986	1989	rBV	480255	384929	5.75%	0.428%
78	14.212	2014	2019	2023	rBV2	3818016	5428556	81.12%	6.031%
79	14.248	2023	2025	2029	rVB	2268820	1888050	28.21%	2.098%
80	14.324	2036	2038	2042	rBV	307283	356651	5.33%	0.396%
81	14.359	2042	2044	2048	rVB	242524	225419	3.37%	0.250%
82	14.436	2054	2057	2061	rBV3	89854	152796	2.28%	0.170%
83	14.565	2077	2079	2081	rVV	208530	216158	3.23%	0.240%
84	14.606	2083	2086	2089	rVV2	548799	625124	9.34%	0.695%
85	14.642	2089	2092	2095	rVV2	278675	285226	4.26%	0.317%
86	14.706	2098	2103	2105	rVV3	296553	451175	6.74%	0.501%
87	14.736	2105	2108	2110	rVV	303306	305475	4.56%	0.339%
88	14.759	2110	2112	2117	rVV	521439	580167	8.67%	0.645%
89	14.812	2119	2121	2125	rVB2	217402	209168	3.13%	0.232%
90	15.318	2201	2207	2210	rBV	1386100	2538580	37.93%	2.820%
91	15.430	2222	2226	2230	rVB	500440	604335	9.03%	0.671%
92	15.647	2258	2263	2269	rVB	1084880	1395218	20.85%	1.550%
93	15.718	2270	2275	2280	rVB	1945977	2507274	37.47%	2.786%
94	15.789	2281	2287	2290	rBV	1385220	1910126	28.54%	2.122%
95	15.818	2290	2292	2298	rVB2	367351	459121	6.86%	0.510%
96	16.400	2388	2391	2402	rVB3	228809	451768	6.75%	0.502%
97	16.565	2416	2419	2424	rVB2	109688	165694	2.48%	0.184%
98	17.406	2555	2562	2571	rVB2	477258	1033911	15.45%	1.149%
99	17.900	2640	2646	2655	rVB	388986	810854	12.12%	0.901%
100	18.159	2685	2690	2697	rVB2	178780	381735	5.70%	0.424%

Sum of corrected areas: 90009426

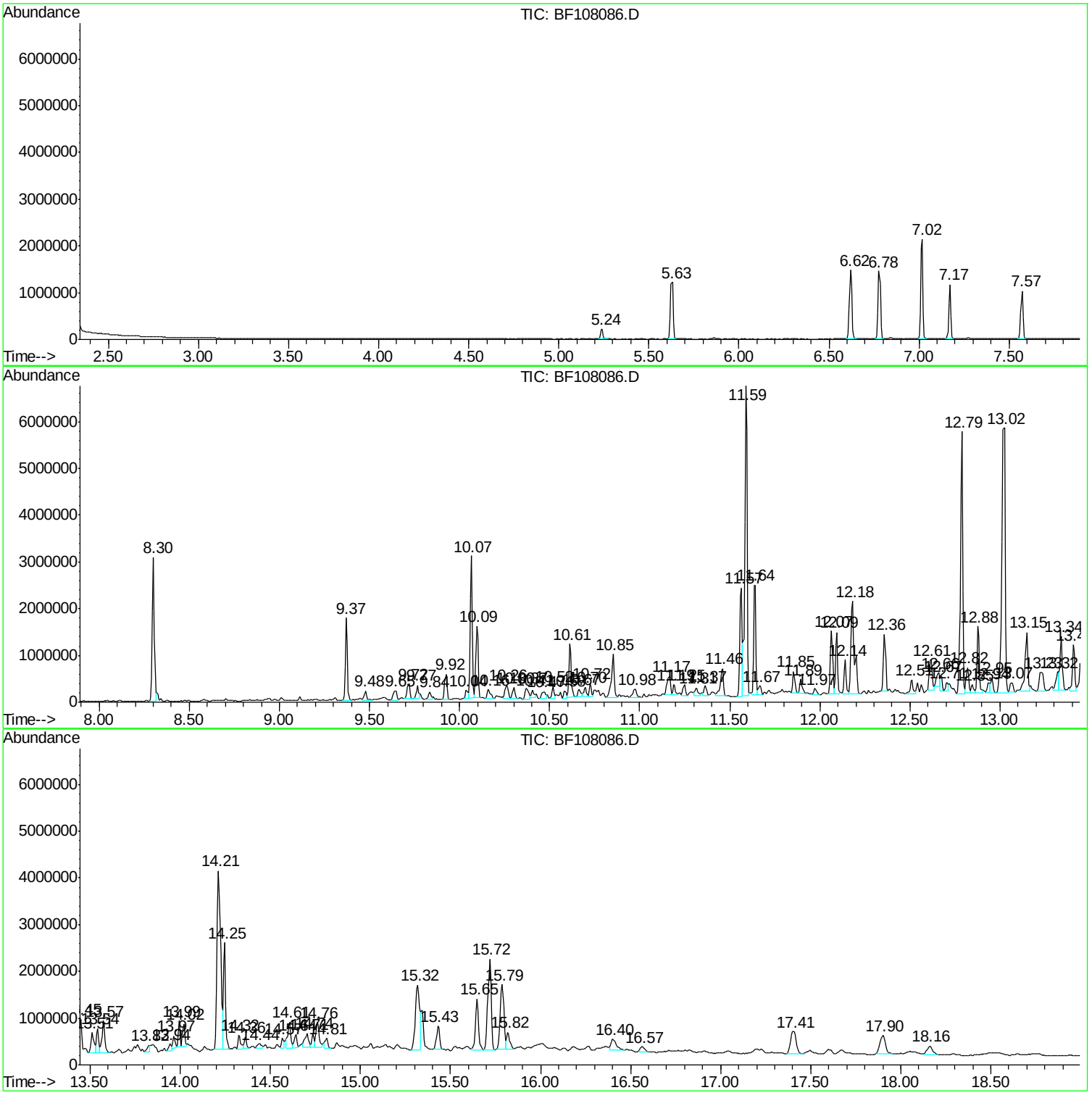
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108086.D
Acq On : 10 Aug 2018 16:16
Operator : JU/SJ
Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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\BF081018\
Data File : BF108086.D
Acq On : 10 Aug 2018 16:16
Operator : JU/SJ
Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

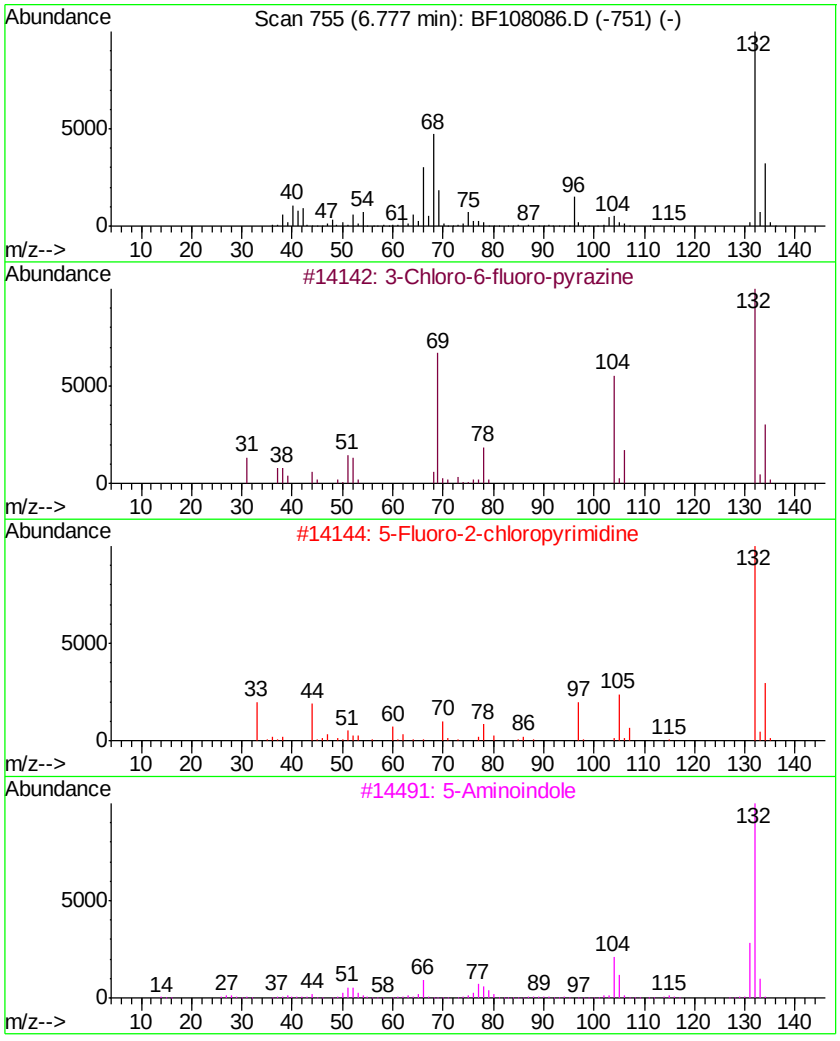
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

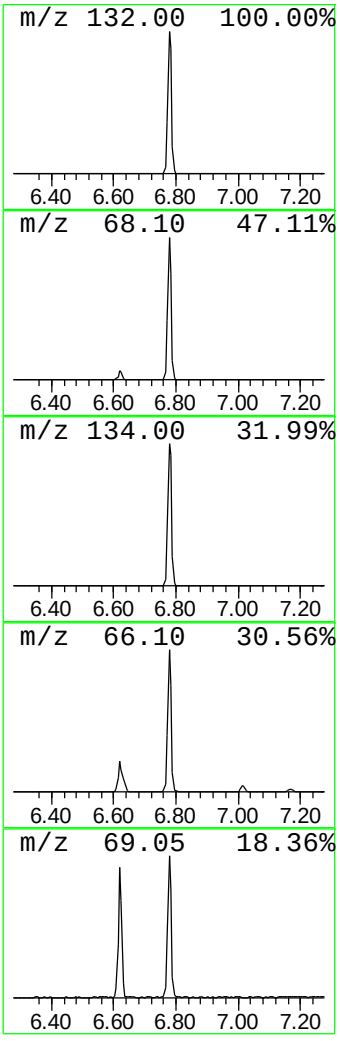
****

Peak Number 1 unknown6.78 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	13.10 ng	1244410	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108086.D
Acq On : 10 Aug 2018 16:16
Operator : JU/SJ
Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

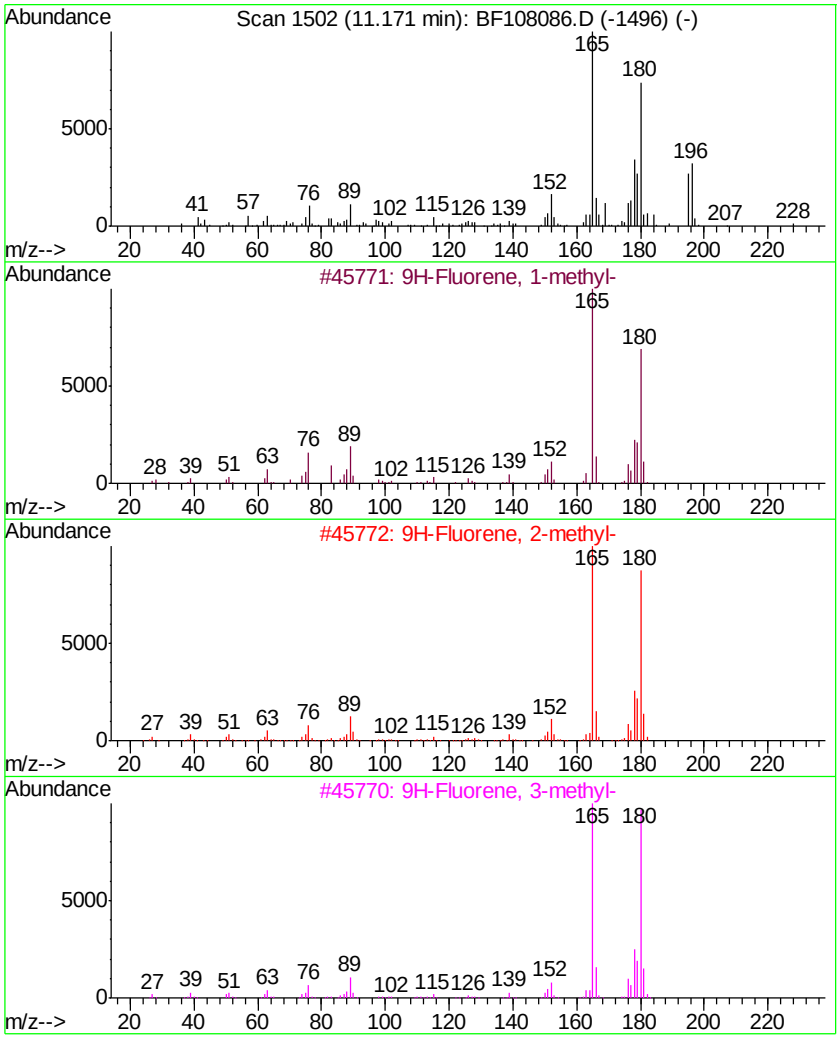
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

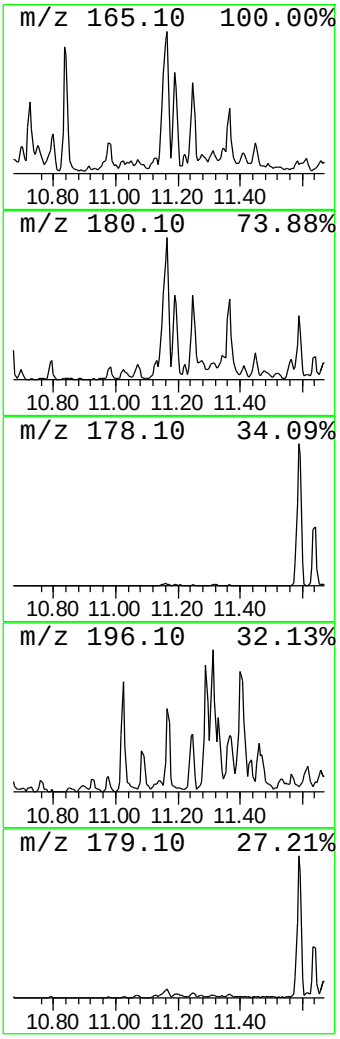
****

Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	4.40 ng	511930	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108086.D
Acq On : 10 Aug 2018 16:16
Operator : JU/SJ
Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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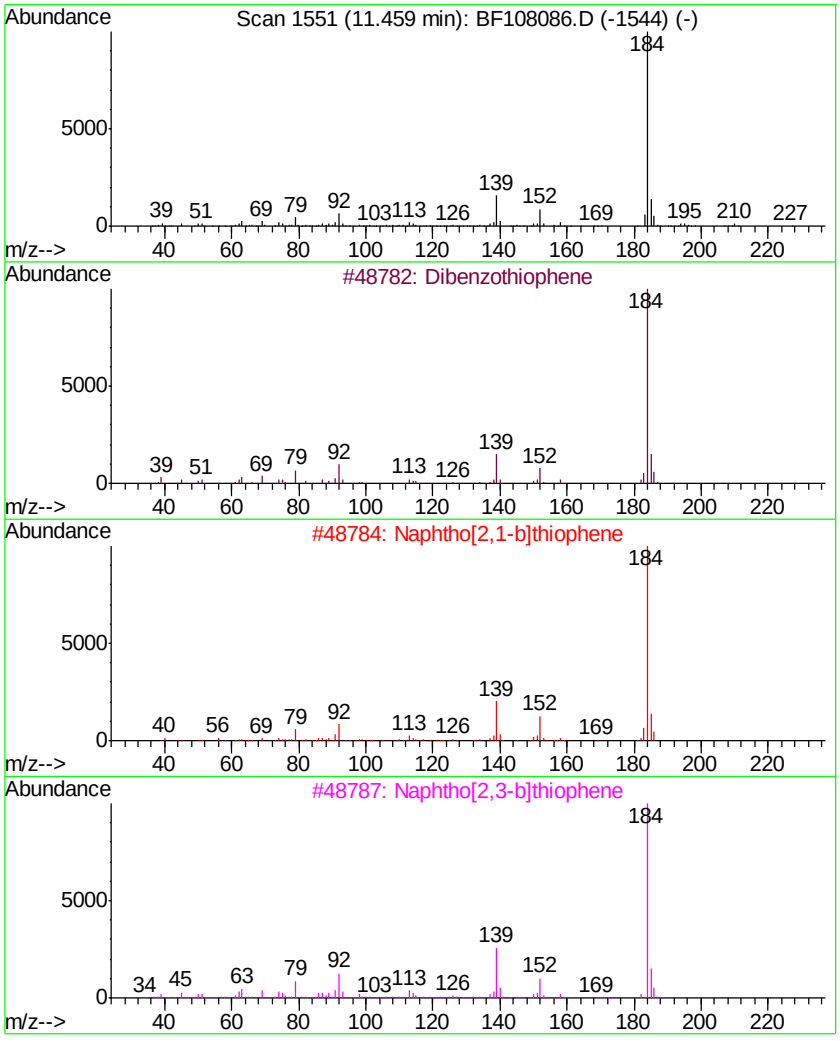
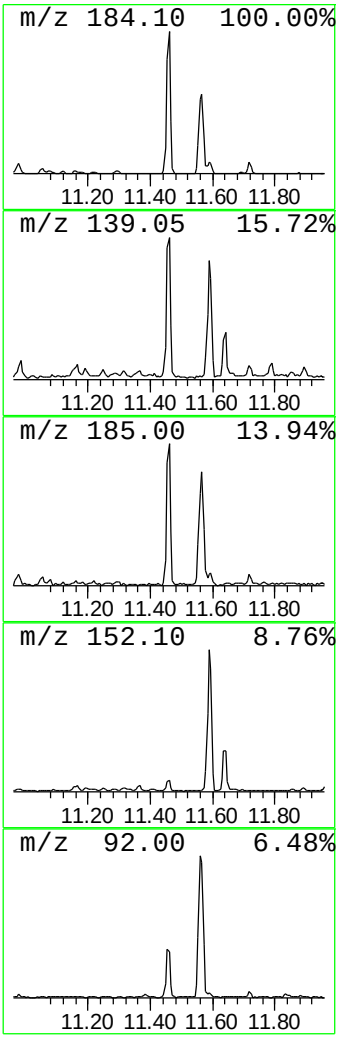
Peak Number 4 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	5.75 ng	668784	Phenanthrene-d10	11.57

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	94
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





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108086.D
Acq On : 10 Aug 2018 16:16
Operator : JU/SJ
Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

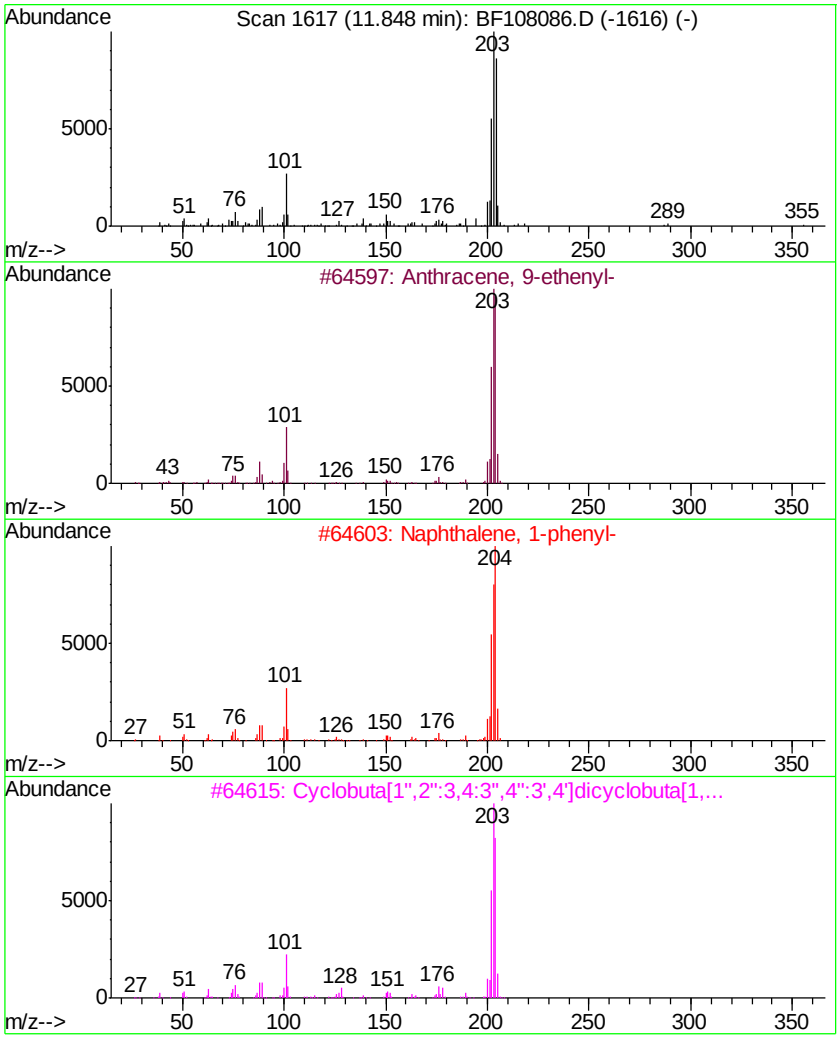
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

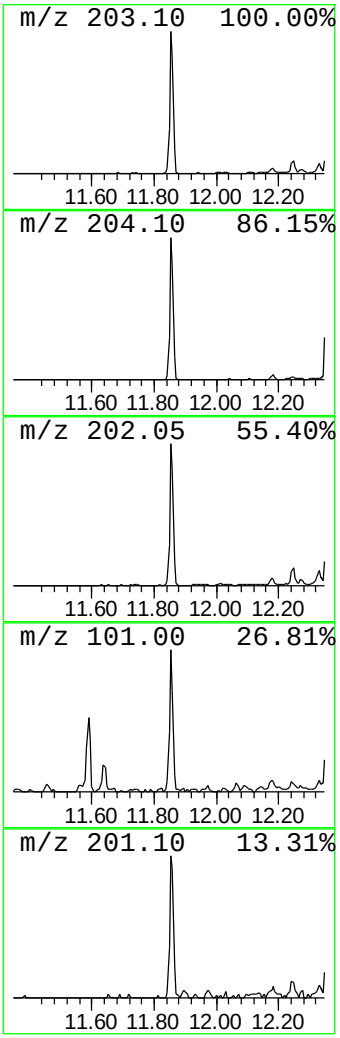
****

Peak Number 5 Anthracene, 9-ethenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	3.14 ng	365951	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	81
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	76
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	76
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108086.D
Acq On : 10 Aug 2018 16:16
Operator : JU/SJ
Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

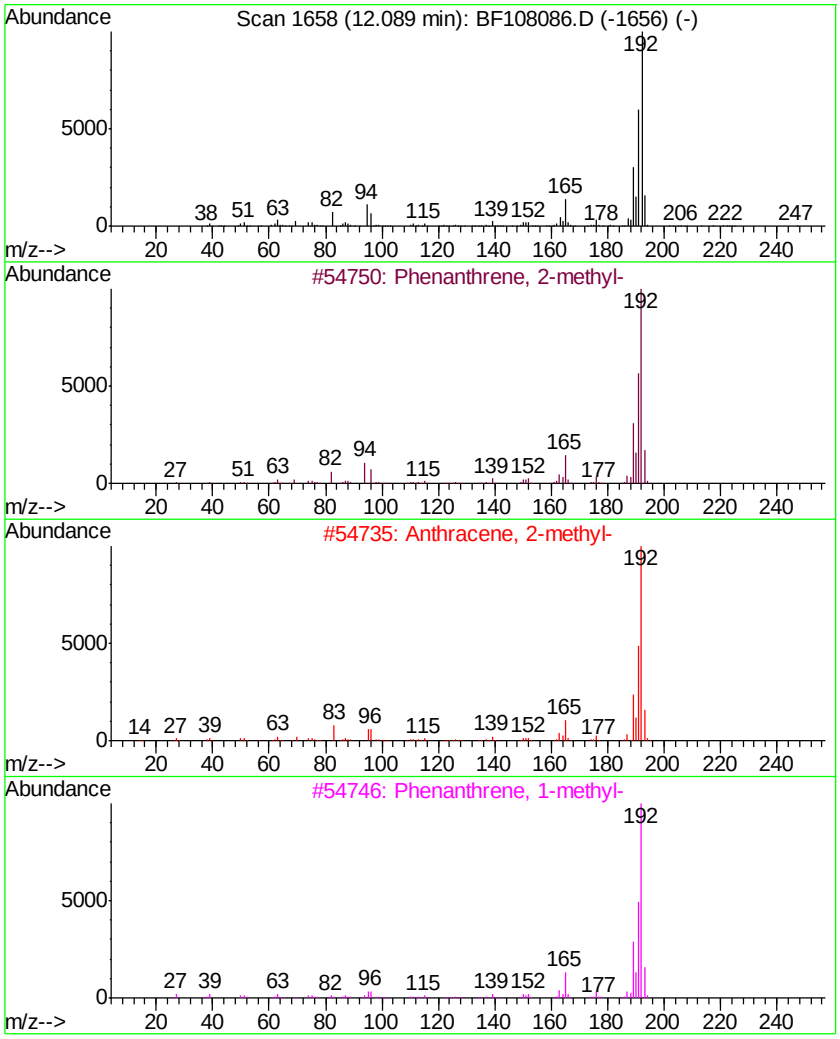
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

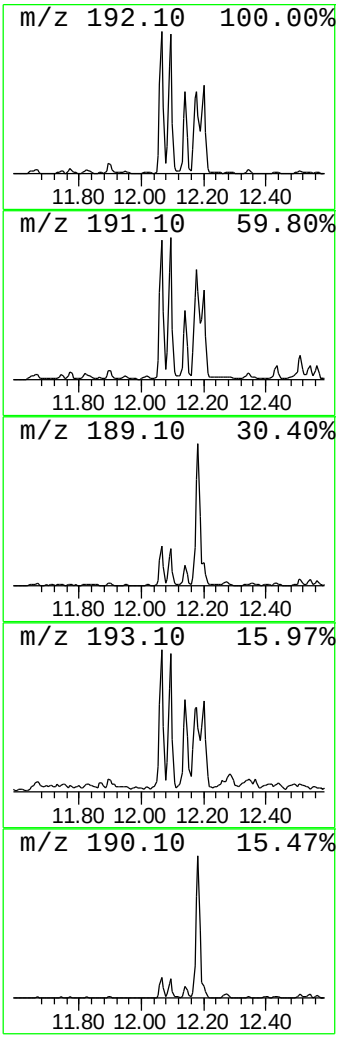
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	9.72 ng	1131600	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Acq On : 10 Aug 2018 16:16
Operator : JU/SJ
Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

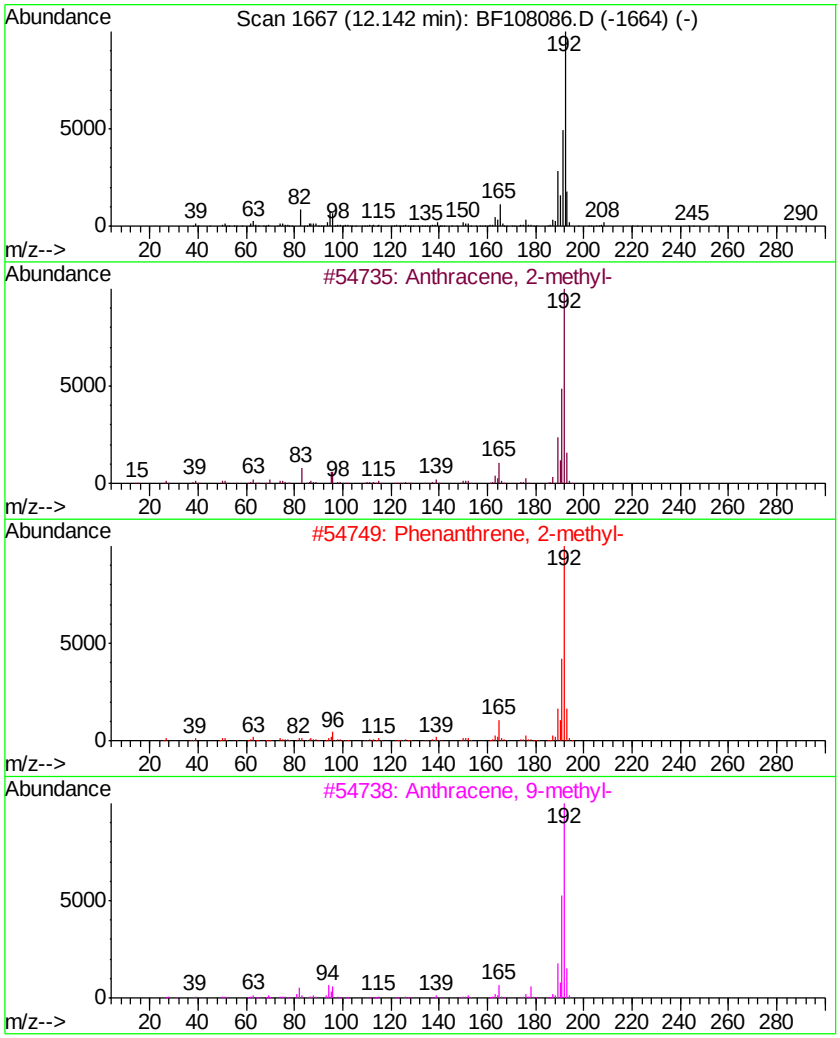
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

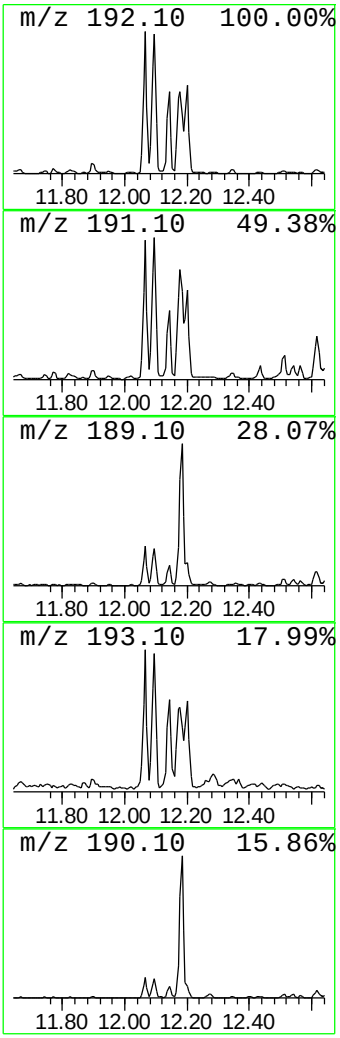
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	5.50 ng	639577	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

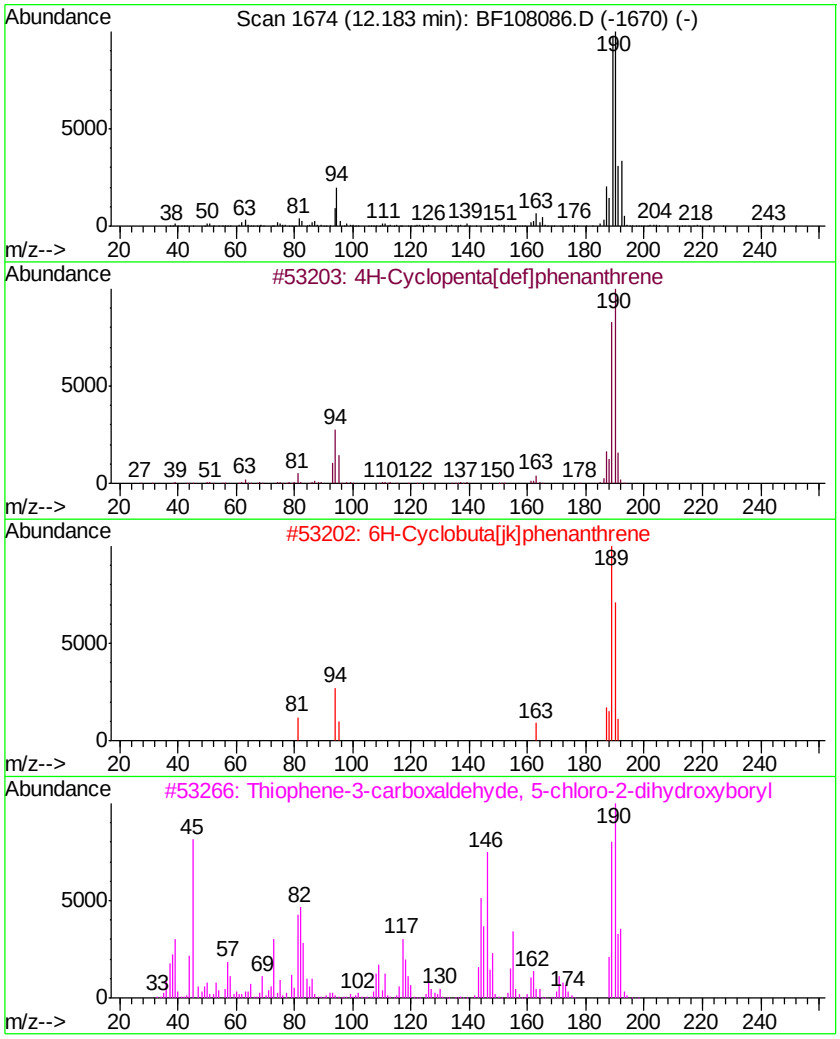
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

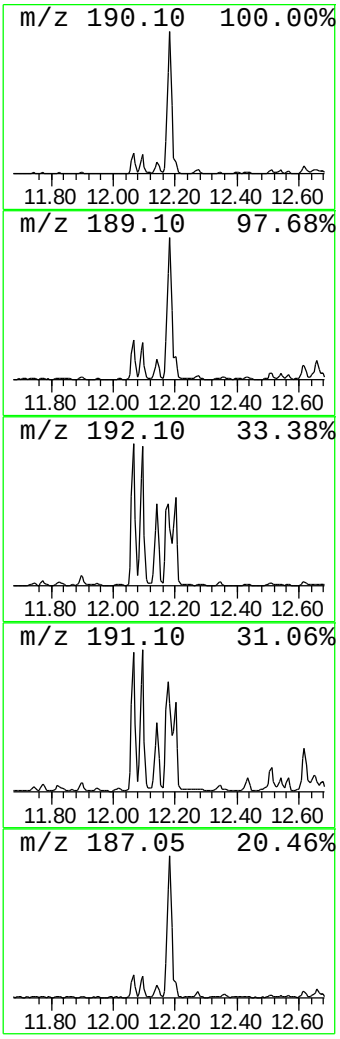
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	24.20 ng	2816840	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





Library Search Compound Report

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Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

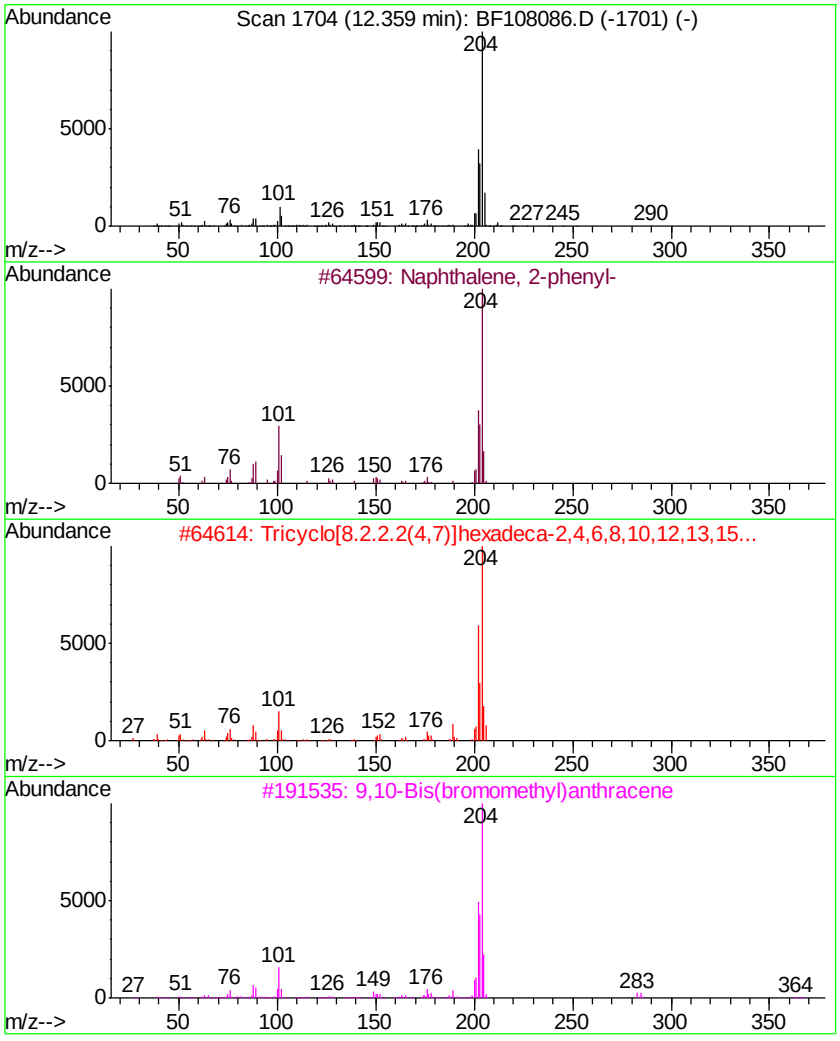
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

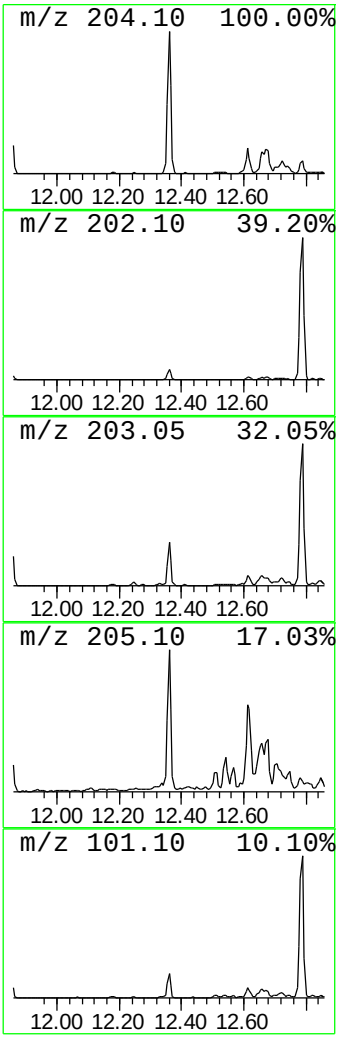
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	8.12 ng	945189	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	59
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49
5	Levamisole	204	C11H12N2S	014769-73-4	49





Library Search Compound Report

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Operator : JU/SJ
Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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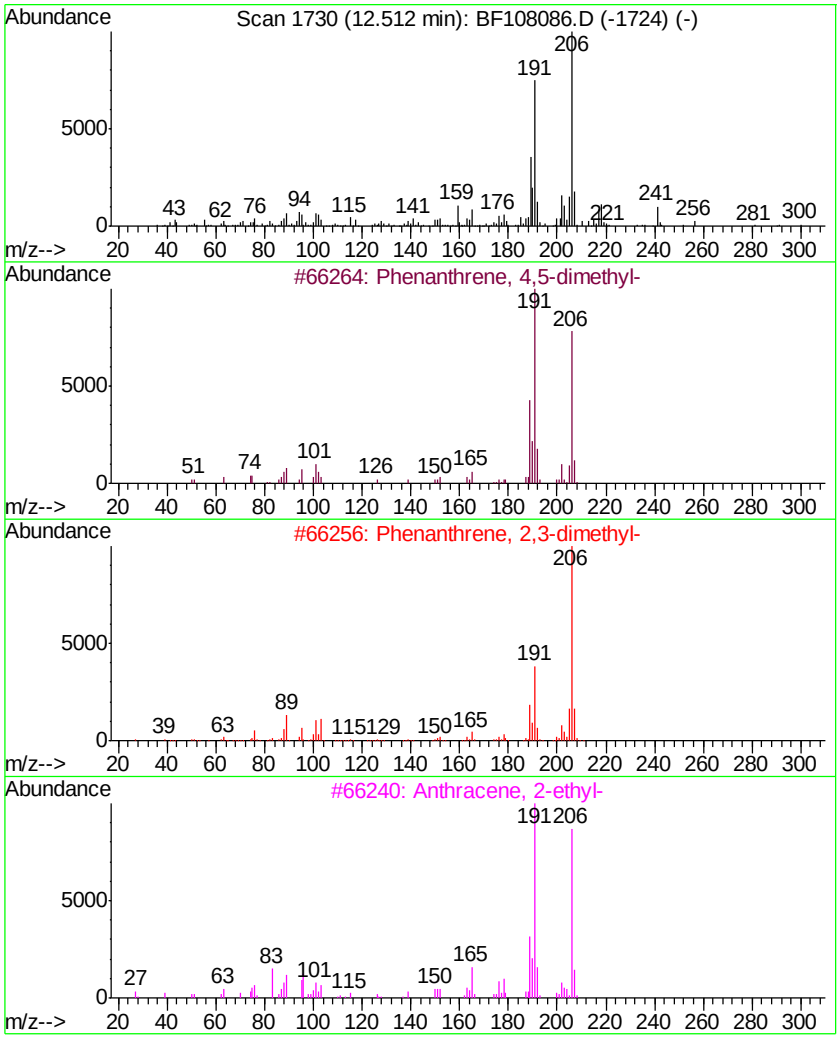
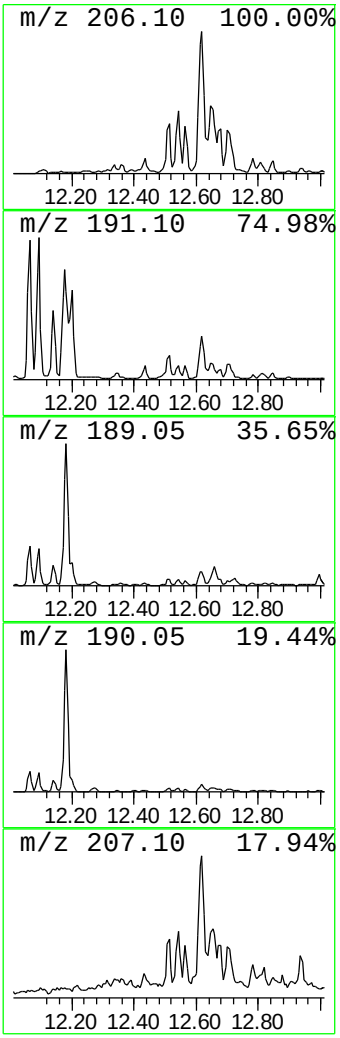
Peak Number 11 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	3.15 ng	366841	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	80
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	74





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Operator : JU/SJ
Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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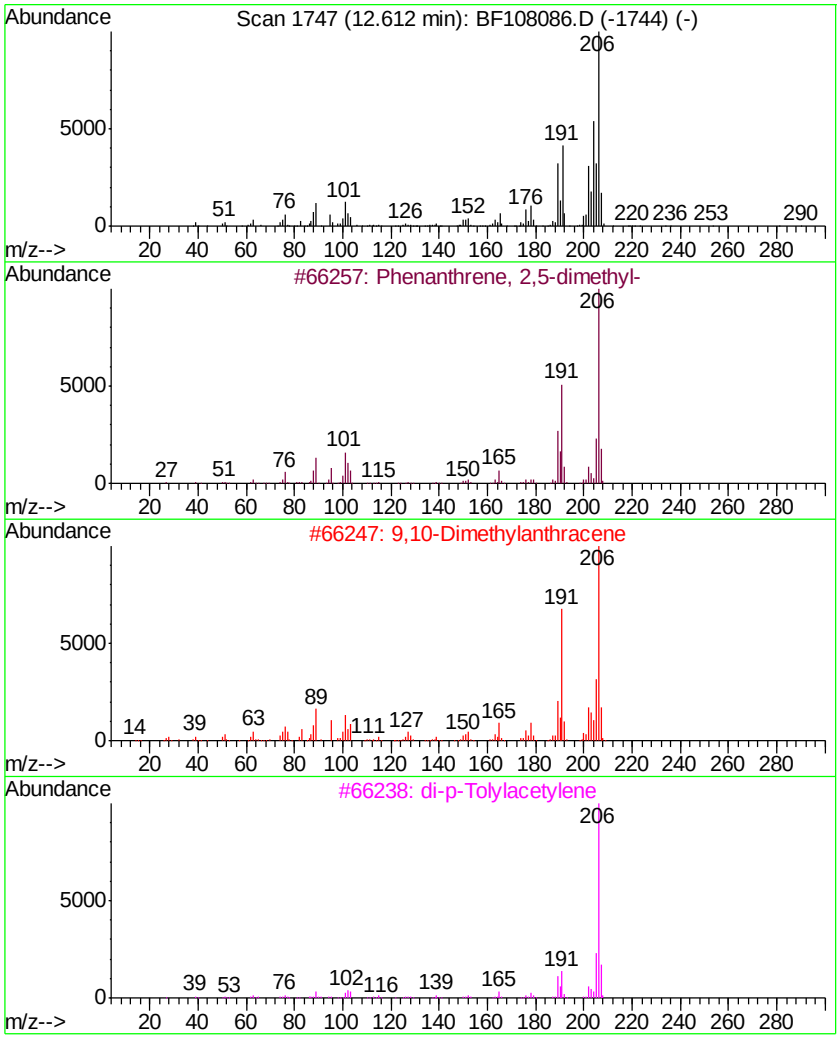
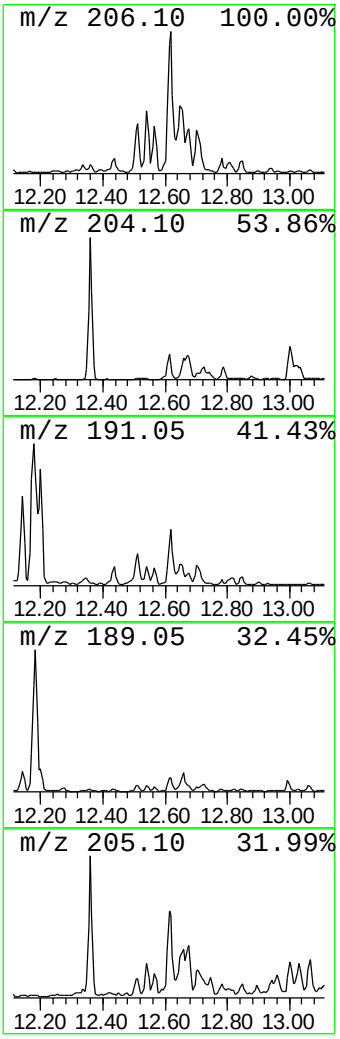
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	6.12 ng	711784	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	86





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-CLARK-AREA-10D

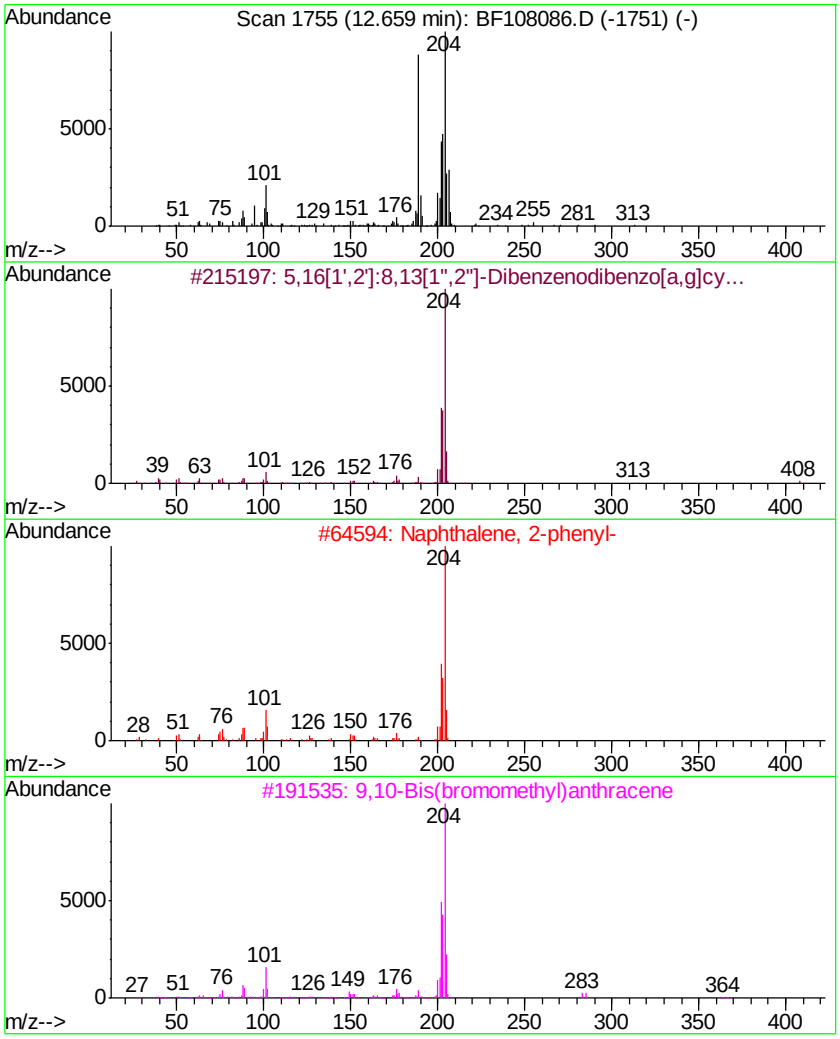
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

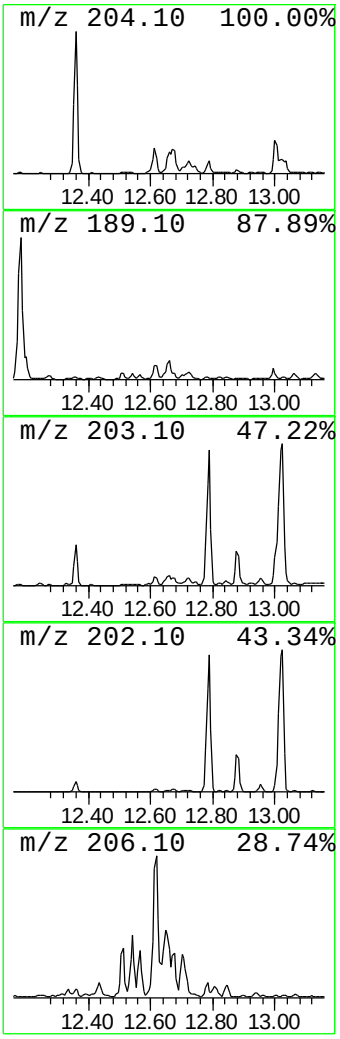
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	3.04 ng	354319	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	45





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Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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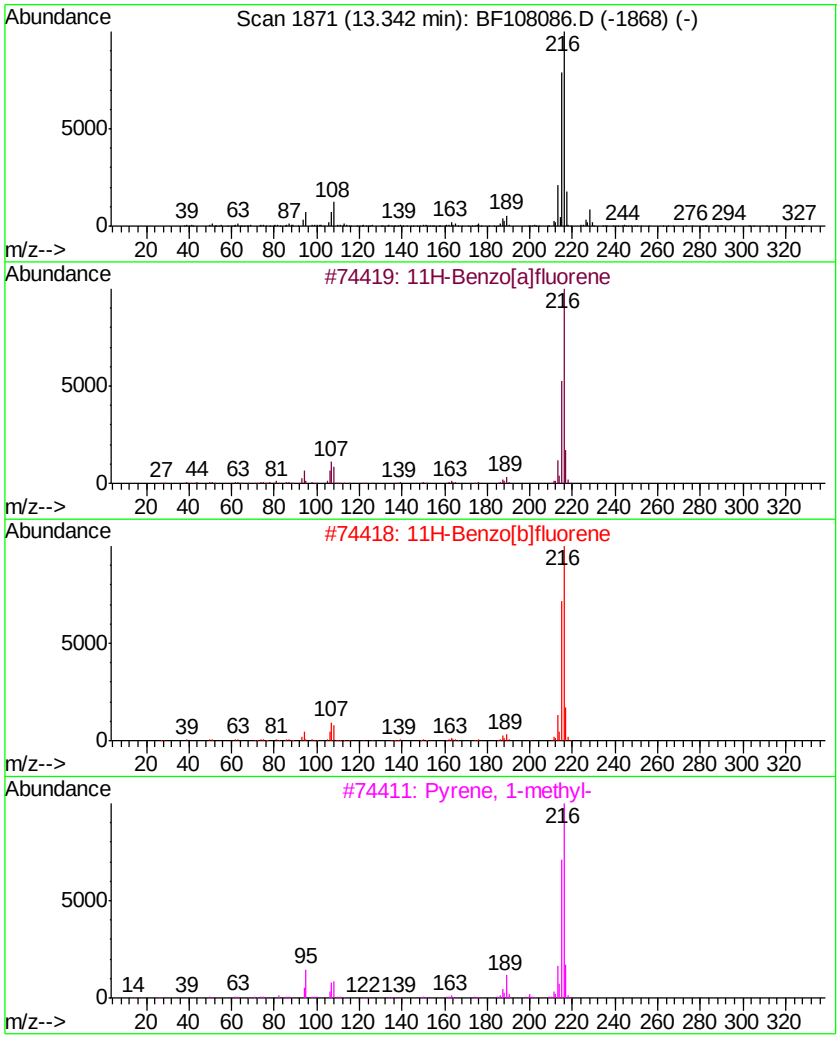
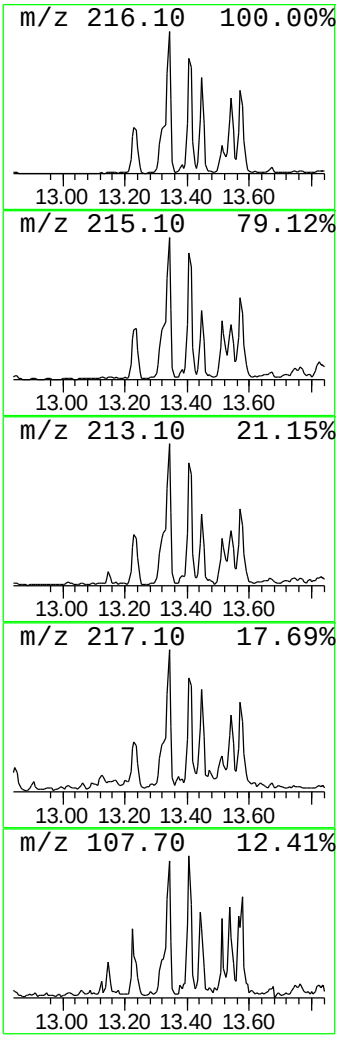
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	3.88 ng	1054050	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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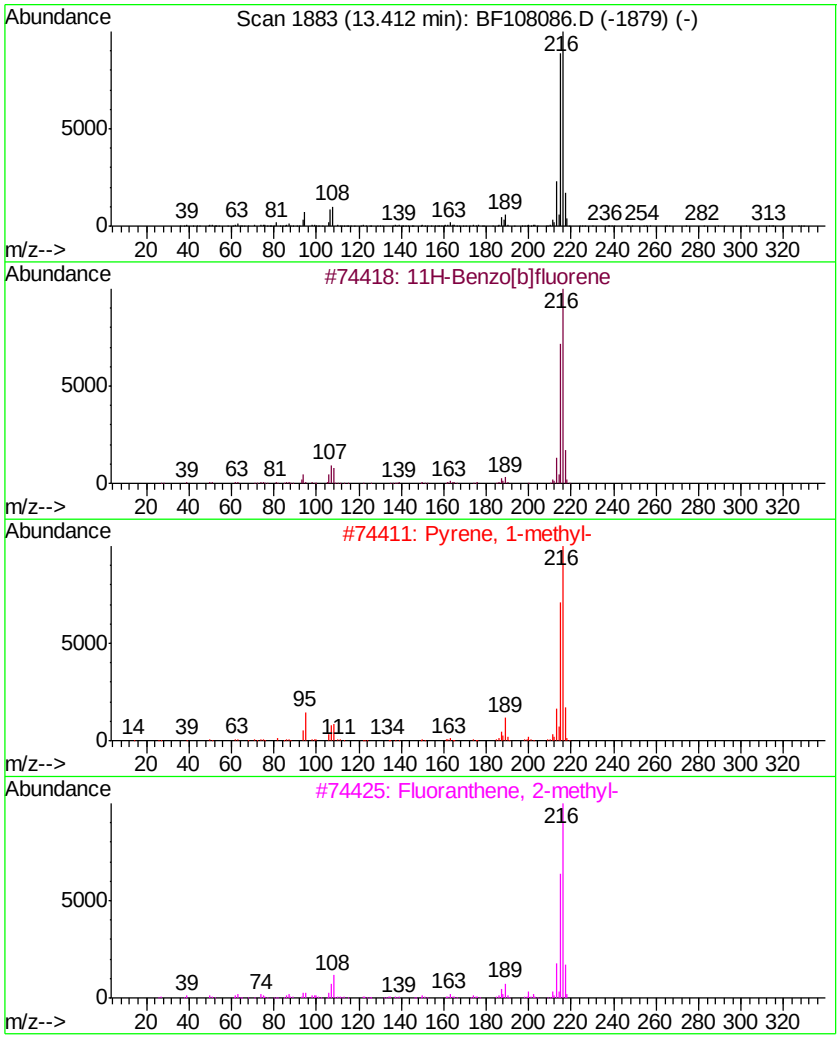
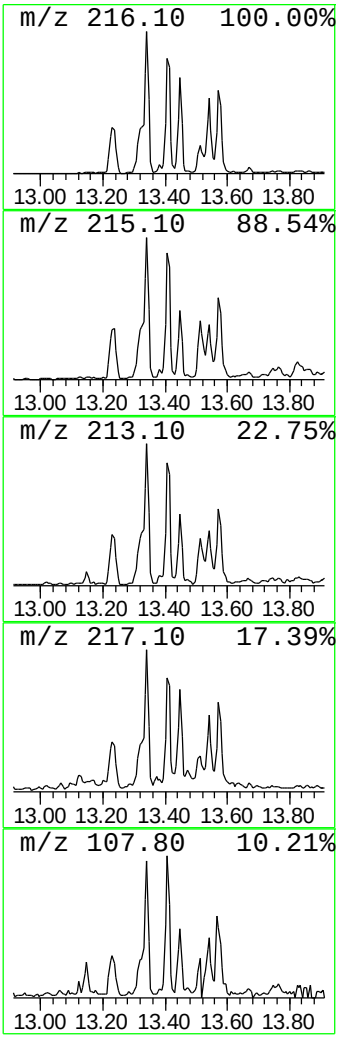
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	3.49 ng	948248	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	58





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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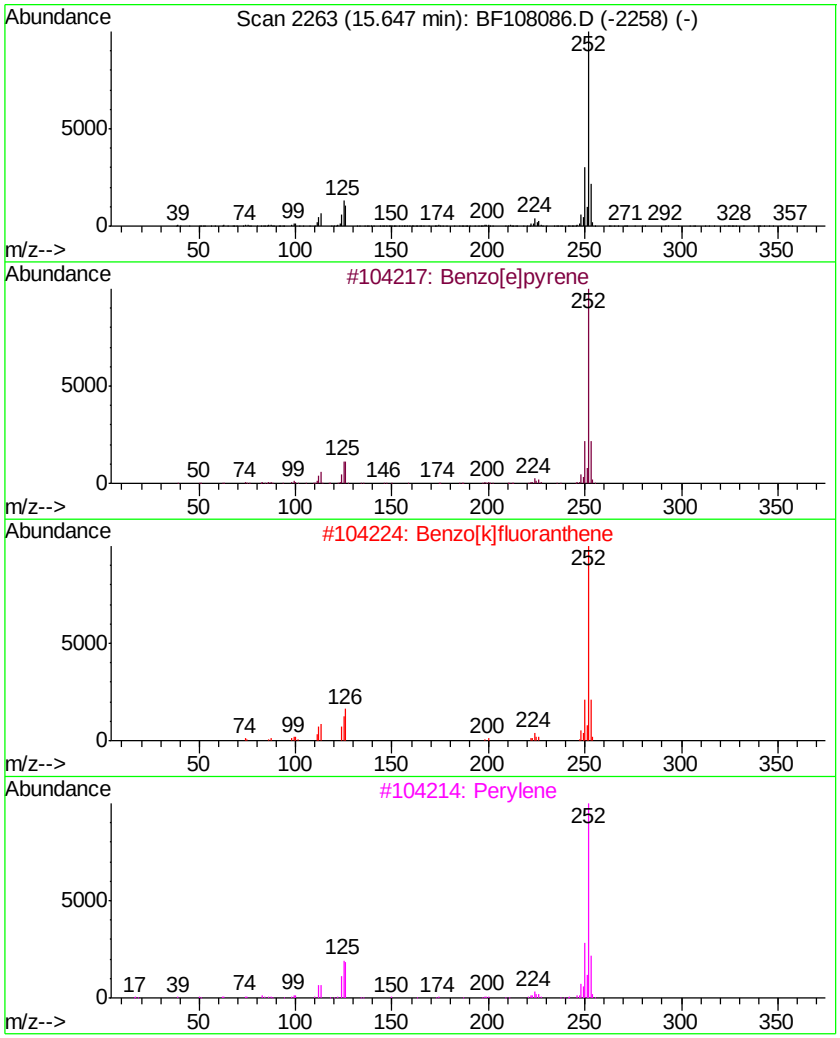
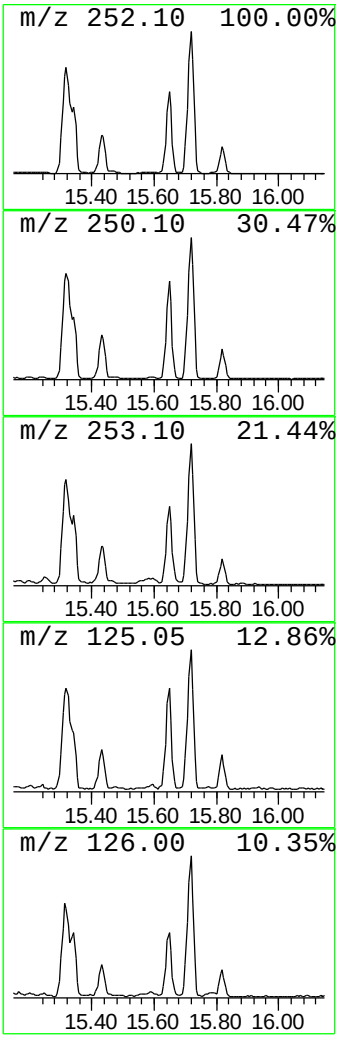
Peak Number 18 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	14.61 ng	1395220	Perylene-d12	15.79

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





Library Search Compound Report

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Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

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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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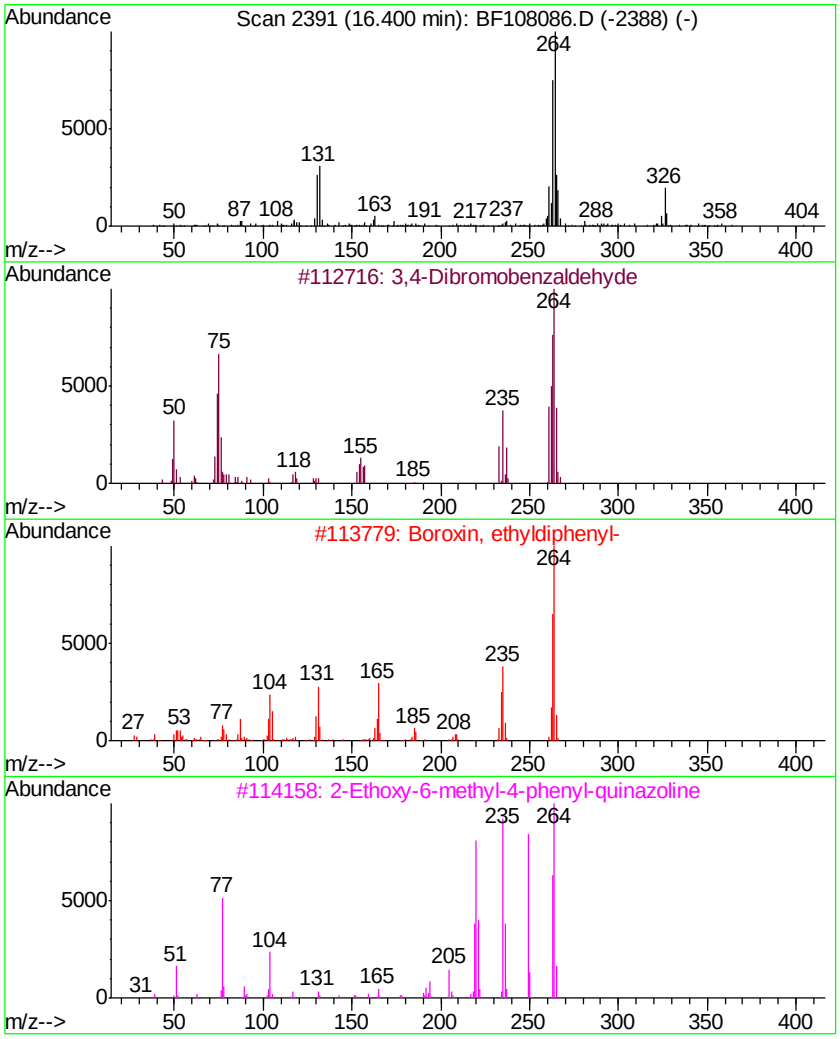
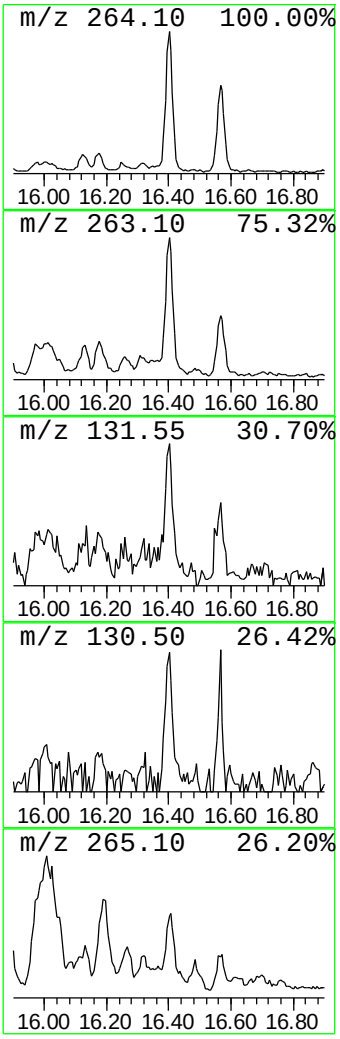
Peak Number 19 3,4-Dibromobenzaldehyde Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	4.73 ng	451768	Perylene-d12	15.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	58
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	53
3	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	35
4	2-[2-Quinolinyl]methylenequinucl...	264	C17H16N2O	1000257-08-0	30
5	2-Bromo-5-fluorobenzyl alcohol, ...	318	C13H20BrFOSi	1000364-15-6	27





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Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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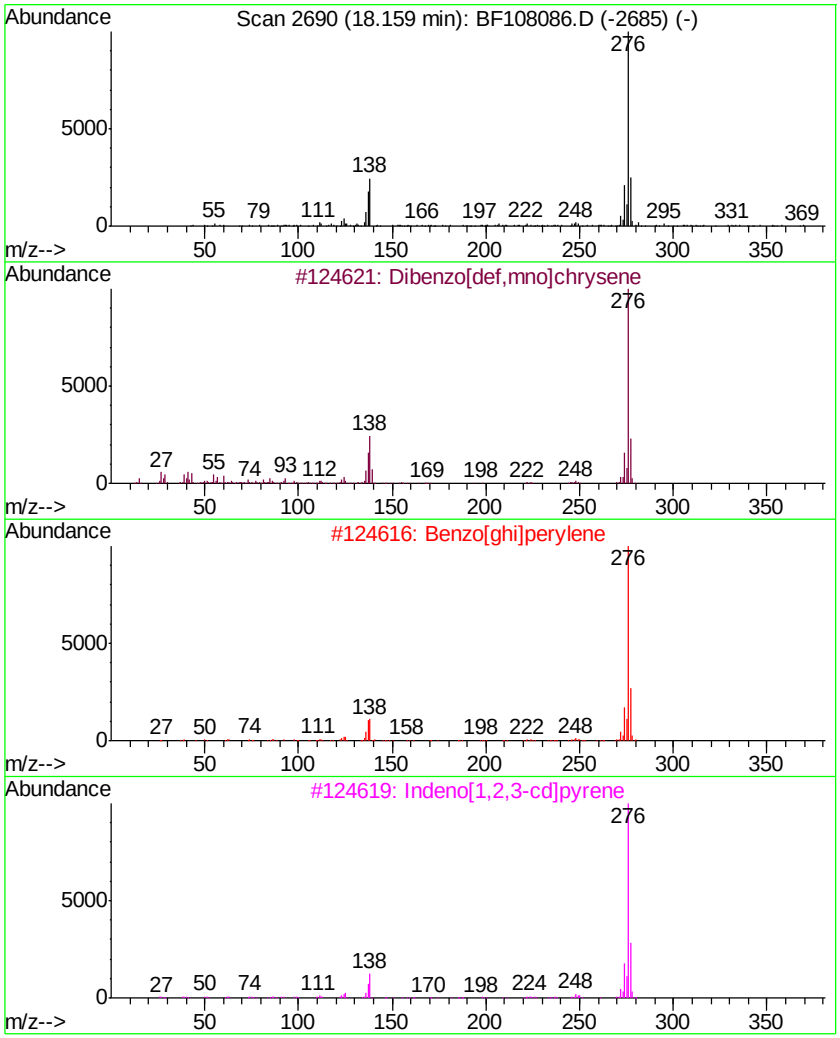
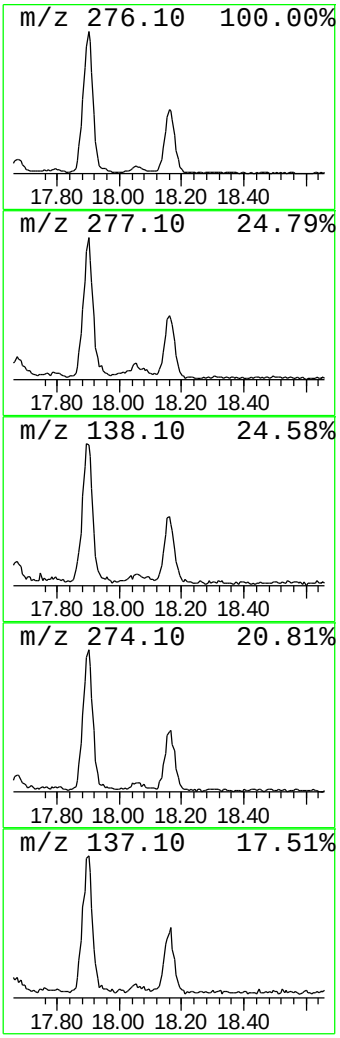
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	4.00 ng	381735	Perylene-d12	15.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	97
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	97
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108086.D
Acq On : 10 Aug 2018 16:16
Operator : JU/SJ
Sample : J4409-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2018-NYSEG-CLARK-AREA-10D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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
unknown6.78	6.78	13.1	ng	1244410	1	7.02	1900340	20.0
9H-Fluorene, 1-me...	11.17	4.4	ng	511930	4	11.57	2327840	20.0
Dibenzothiophene	11.46	5.8	ng	668784	4	11.57	2327840	20.0
Anthracene, 9-eth...	11.85	3.1	ng	365951	4	11.57	2327840	20.0
Phenanthrene, 2-m...	12.09	9.7	ng	1131600	4	11.57	2327840	20.0
Anthracene, 2-met...	12.14	5.5	ng	639577	4	11.57	2327840	20.0
4H-Cyclopenta[def...	12.18	24.2	ng	2816840	4	11.57	2327840	20.0
Naphthalene, 2-ph...	12.36	8.1	ng	945189	4	11.57	2327840	20.0
Phenanthrene, 4,5...	12.51	3.1	ng	366841	4	11.57	2327840	20.0
Phenanthrene, 2,5...	12.61	6.1	ng	711784	4	11.57	2327840	20.0
5,16[1',2']:8,13[...	12.66	3.0	ng	354319	4	11.57	2327840	20.0
11H-Benzo[a]fluorene	13.34	3.9	ng	1054050	5	14.22	5428560	20.0
11H-Benzo[b]fluorene	13.41	3.5	ng	948248	5	14.22	5428560	20.0
Benzo[e]pyrene	15.65	14.6	ng	1395220	6	15.79	1910130	20.0
3,4-Dibromobenzal...	16.40	4.7	ng	451768	6	15.79	1910130	20.0
Dibenzo[def,mno]c...	18.16	4.0	ng	381735	6	15.79	1910130	20.0