LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107485.D
Acq On : 18 Jul 2018 18:40
Operator : JU/SJ
Sample : J4016-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5-U-23-13

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-BF071618.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	5.225	486	491	497	rBV	395389	446002	12.88%	0.880%
2	5.613	552	557	560	rBV	2949289	2813626	81.27%	5.555%
3	6.613	721	727	730	rBV	2967063	3107106	89.75%	6.134%
4	6.754	746	751	754	rBV	3295607	3137635	90.63%	6.194%
5	6.984	786	790	793	rBV	1251702	1003746	28.99%	1.982%
6	7.142	812	817	820	rBV	2600215	2341669	67.64%	4.623%
7	7.548	880	886	889	rBV	2169993	2072896	59.87%	4.092%
8	8.266	1004	1008	1011	rBV	1353772	1284077	37.09%	2.535%
9	8.289	1011	1012	1015	rVB	257353	127859	3.69%	0.252%
10	8.978	1125	1129	1133	rBV	132908	114931	3.32%	0.227%
11	9.078	1142	1146	1151	rVB	97078	102730	2.97%	0.203%
12	9.342	1185	1191	1194	rBV	3876131	3462048	100.00%	6.835%
13	9.442	1205	1208	1211	rVB3	61132	53560	1.55%	0.106%
14	9.607	1233	1236	1239	rVB3	58897	69734	2.01%	0.138%
15	9.683	1244	1249	1251	rBV	95207	105998	3.06%	0.209%
16	9.730	1254	1257	1261	rVB	512168	422346	12.20%	0.834%
17	9.883	1281	1283	1287	rVB2	68894	63925	1.85%	0.126%
18	9.942	1287	1293	1296	rBV2	42698	52217	1.51%	0.103%
19	10.030	1304	1308	1311	rBV	1477716	1296748	37.46%	2.560%
20	10.060	1311	1313	1316	rVB	323704	235072	6.79%	0.464%
21	10.230	1338	1342	1345	rVB	189388	167163	4.83%	0.330%
22	10.266	1345	1348	1351	rVB3	55645	54488	1.57%	0.108%
23	10.342	1357	1361	1363	rBV3	43768	50081	1.45%	0.099%
24	10.442	1372	1378	1383	rBV5	83675	119203	3.44%	0.235%
25	10.577	1394	1401	1406	rVB	276839	261822	7.56%	0.517%
26	10.730	1425	1427	1431	rVB	76741	76500	2.21%	0.151%
27	10.819	1438	1442	1446	rBV	2077824	1879791	54.30%	3.711%
28	10.919	1455	1459	1461	rBV3	66419	83558	2.41%	0.165%
29	11.124	1489	1494	1496	rBV3	88013	120657	3.49%	0.238%
30	11.154	1496	1499	1502	rVV4	62908	52209	1.51%	0.103%
31	11.248	1511	1515	1518	rBV5	55676	87436	2.53%	0.173%
32	11.324	1525	1528	1531	rVB	122017	109004	3.15%	0.215%
33	11.366	1531	1535	1539	rBV3	99488	154626	4.47%	0.305%
34	11.419	1541	1544	1548	rVB	142766	144028	4.16%	0.284%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107485.D
Acq On : 18 Jul 2018 18:40
Operator : JU/SJ
Sample : J4016-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5-U-23-13

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-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.524	1557	1562	1564	rBV	1309757	1426123	41.19%	2.815%
36	11.548	1564	1566	1569	rVV	2165526	1632443	47.15%	3.223%
37	11.595	1569	1574	1577	rVV	508788	486829	14.06%	0.961%
38	11.630	1577	1580	1585	rVB2	80697	97404	2.81%	0.192%
39	11.748	1594	1600	1606	rBV2	229025	275237	7.95%	0.543%
40	11.854	1614	1618	1623	rVB3	75009	92916	2.68%	0.183%
41	12.024	1641	1647	1649	rBV	327449	310072	8.96%	0.612%
42	12.048	1649	1651	1656	rVB	403407	367316	10.61%	0.725%
43	12.095	1656	1659	1662	rBV	152225	143444	4.14%	0.283%
44	12.136	1662	1666	1668	rVV2	430797	503280	14.54%	0.994%
45	12.160	1668	1670	1674	rVB	216348	168879	4.88%	0.333%
46	12.201	1674	1677	1679	rBV4	63777	49794	1.44%	0.098%
47	12.319	1693	1697	1699	rBV	211821	197978	5.72%	0.391%
48	12.342	1699	1701	1705	rVB2	149496	137357	3.97%	0.271%
49	12.466	1717	1722	1725	rBV2	91685	92281	2.67%	0.182%
50	12.501	1725	1728	1730	rVV	68103	53829	1.55%	0.106%
51	12.571	1737	1740	1744	rBV	172921	231726	6.69%	0.457%
52	12.613	1744	1747	1749	rVV3	92469	126818	3.66%	0.250%
53	12.660	1752	1755	1760	rBV2	133215	164827	4.76%	0.325%
54	12.742	1765	1769	1772	rBV	2102712	1807468	52.21%	3.568%
55	12.801	1777	1779	1782	rVB2	93619	72011	2.08%	0.142%
56	12.866	1786	1790	1792	rBV5	53042	64192	1.85%	0.127%
57	12.895	1792	1795	1800	rVB5	112247	164345	4.75%	0.324%
58	12.971	1805	1808	1813	rVB	1638726	1678317	48.48%	3.313%
59	13.019	1813	1816	1819	rVB2	126490	153908	4.45%	0.304%
60	13.107	1819	1831	1834	rBV	2947857	2962615	85.57%	5.849%
61	13.183	1840	1844	1845	rBV4	134447	167071	4.83%	0.330%
62	13.271	1855	1859	1861	rBV5	99864	142634	4.12%	0.282%
63	13.295	1861	1863	1866	rVB	275325	236231	6.82%	0.466%
64	13.366	1871	1875	1877	rBV	193372	175358	5.07%	0.346%
65	13.401	1877	1881	1884	rBV2	209127	232163	6.71%	0.458%
66	13.424	1884	1885	1888	rVB3	69562	49220	1.42%	0.097%
67	13.495	1894	1897	1899	rBV2	120661	106885	3.09%	0.211%
68	13.524	1899	1902	1906	rVB2	130591	118996	3.44%	0.235%
69	13.783	1943	1946	1947	rBV2	53129	50555	1.46%	0.100%
70	13.807	1947	1950	1953	rVB	149692	154317	4.46%	0.305%
71	13.918	1964	1969	1971	rBV3	188216	259541	7.50%	0.512%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107485.D
Acq On : 18 Jul 2018 18:40
Operator : JU/SJ
Sample : J4016-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5-U-23-13

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-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.948	1971	1974	1976	rVV	178510	187005	5.40%	0.369%
73	13.983	1976	1980	1983	rVV2	264142	409990	11.84%	0.809%
74	14.013	1983	1985	1992	rVB	184974	196839	5.69%	0.389%
75	14.165	2003	2011	2014	rBV3	1385543	2127317	61.45%	4.200%
76	14.195	2014	2016	2024	rVB	846380	865136	24.99%	1.708%
77	14.277	2027	2030	2033	rVV2	162231	138557	4.00%	0.274%
78	14.313	2033	2036	2041	rVV6	77697	118643	3.43%	0.234%
79	14.360	2041	2044	2046	rVV	81376	87452	2.53%	0.173%
80	14.395	2046	2050	2053	rVB3	102817	129264	3.73%	0.255%
81	14.424	2053	2055	2058	rVB3	65538	60192	1.74%	0.119%
82	14.489	2060	2066	2068	rBV6	69520	125645	3.63%	0.248%
83	14.518	2068	2071	2073	rBV2	82845	86443	2.50%	0.171%
84	14.554	2075	2077	2080	rVB	195917	161231	4.66%	0.318%
85	14.589	2081	2083	2086	rVB2	131693	110294	3.19%	0.218%
86	14.624	2086	2089	2091	rBV3	76800	105753	3.05%	0.209%
87	14.689	2097	2100	2101	rBV3	99107	98315	2.84%	0.194%
88	14.707	2101	2103	2108	rVB5	138710	145442	4.20%	0.287%
89	15.077	2164	2166	2170	rVB5	53346	46996	1.36%	0.093%
90	15.254	2191	2196	2199	rBV	624305	1053789	30.44%	2.080%
91	15.360	2212	2214	2218	rVB2	113851	129385	3.74%	0.255%
92	15.454	2228	2230	2235	rBV6	53783	94199	2.72%	0.186%
93	15.577	2247	2251	2256	rVB	398086	509678	14.72%	1.006%
94	15.642	2258	2262	2268	rVB	532550	730368	21.10%	1.442%
95	15.712	2269	2274	2277	rVV2	693136	962769	27.81%	1.901%
96	15.742	2277	2279	2285	rVB3	194822	259283	7.49%	0.512%
97	16.177	2349	2353	2357	rBV7	55331	97379	2.81%	0.192%
98	16.312	2372	2376	2382	rBV9	61152	98182	2.84%	0.194%
99	17.289	2535	2542	2550	rBV4	195837	444895	12.85%	0.878%
100	17.771	2619	2624	2629	rVB3	128517	244017	7.05%	0.482%

Sum of corrected areas: 50653329

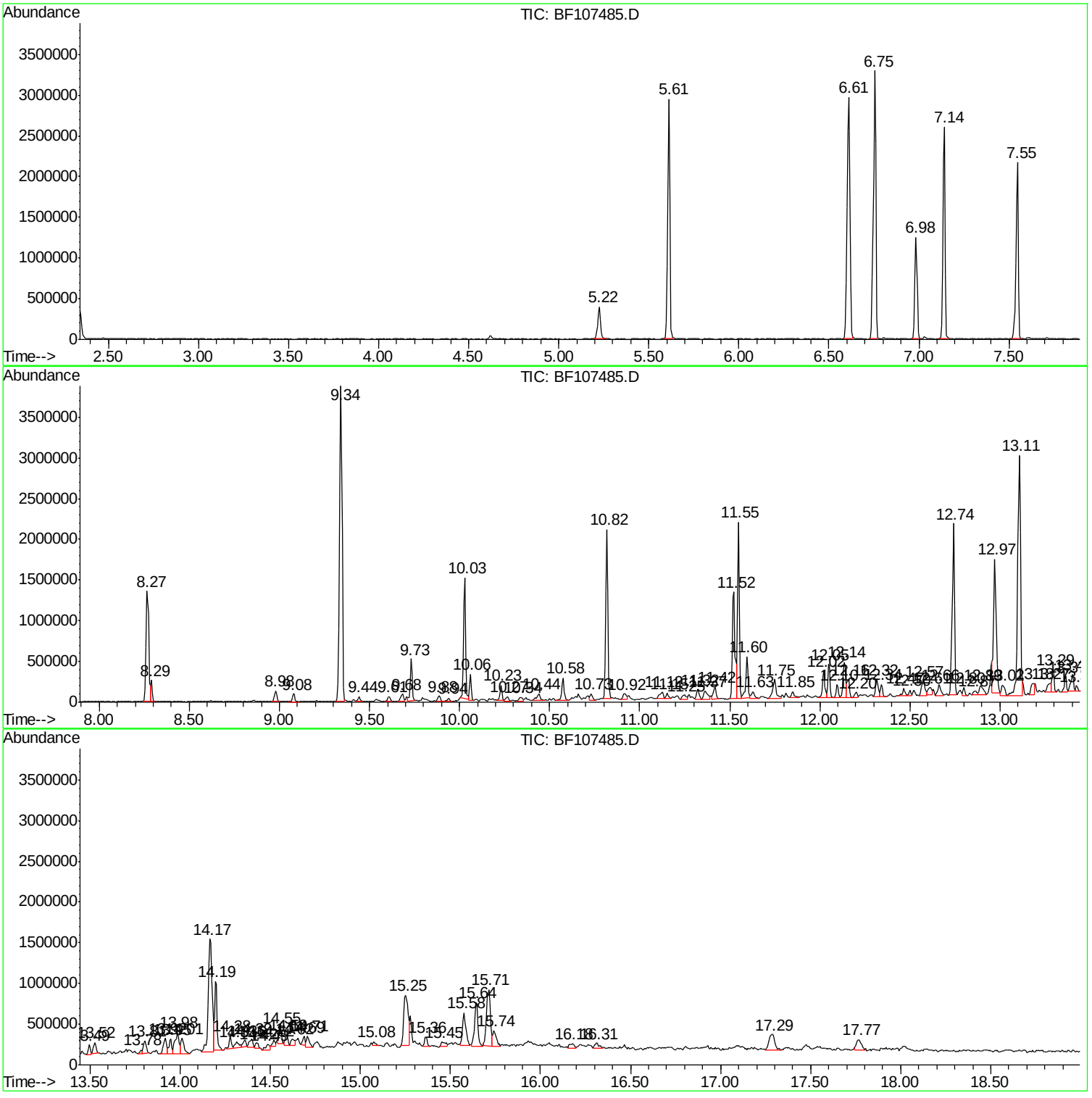
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107485.D
Acq On : 18 Jul 2018 18:40
Operator : JU/SJ
Sample : J4016-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5-U-23-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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\BF071818\
Data File : BF107485.D
Acq On : 18 Jul 2018 18:40
Operator : JU/SJ
Sample : J4016-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5-U-23-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

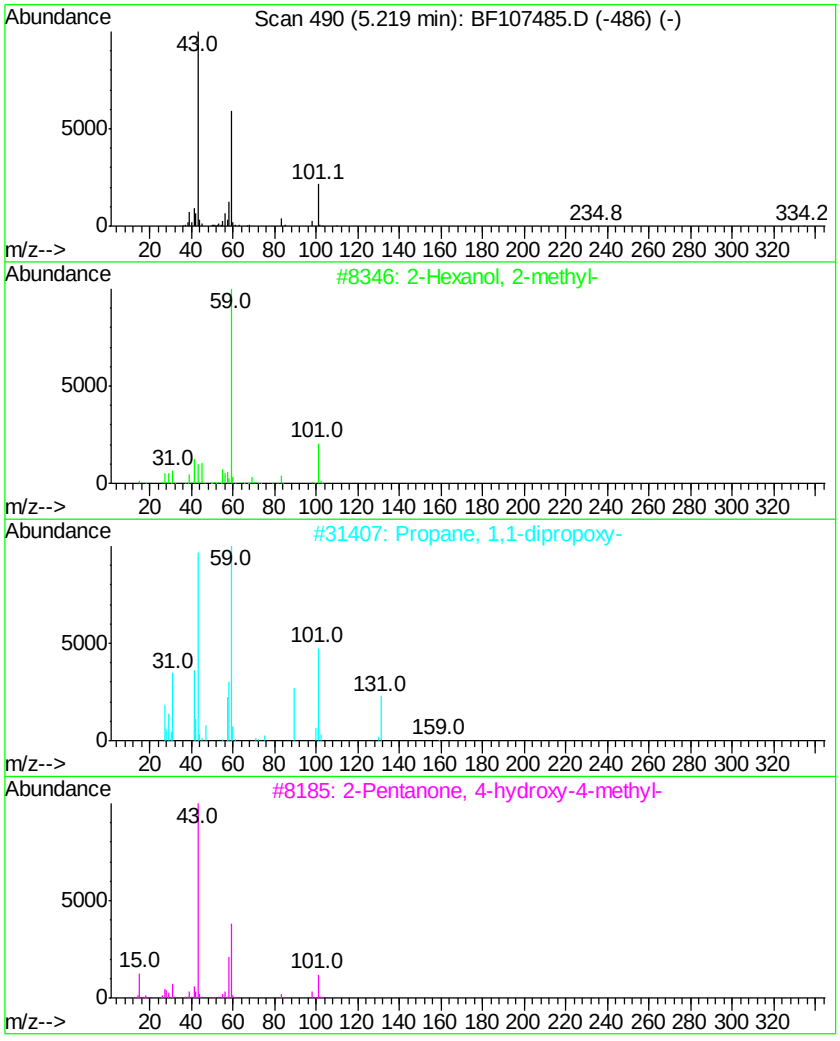
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

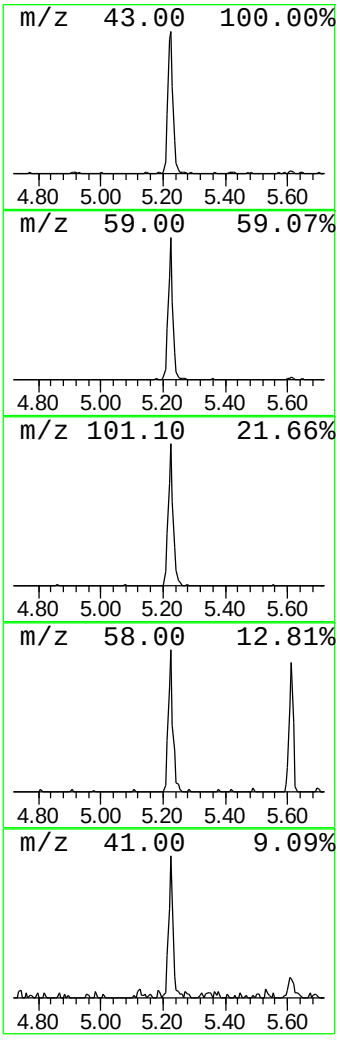
****

Peak Number 1 2-Hexanol, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	8.89 ng	446002	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	53
2	Propane, 1,1-dipropoxy-	160	C9H20O2	004744-11-0	39
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	37
5	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	36





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107485.D
Acq On : 18 Jul 2018 18:40
Operator : JU/SJ
Sample : J4016-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5-U-23-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

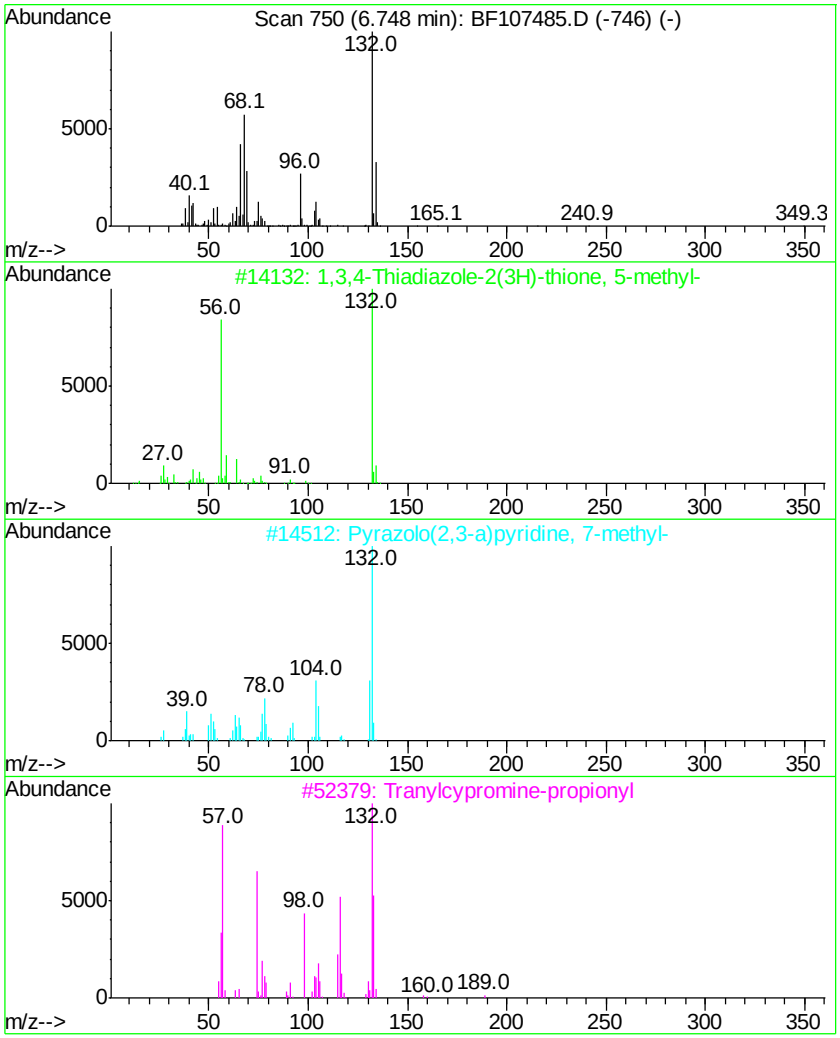
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

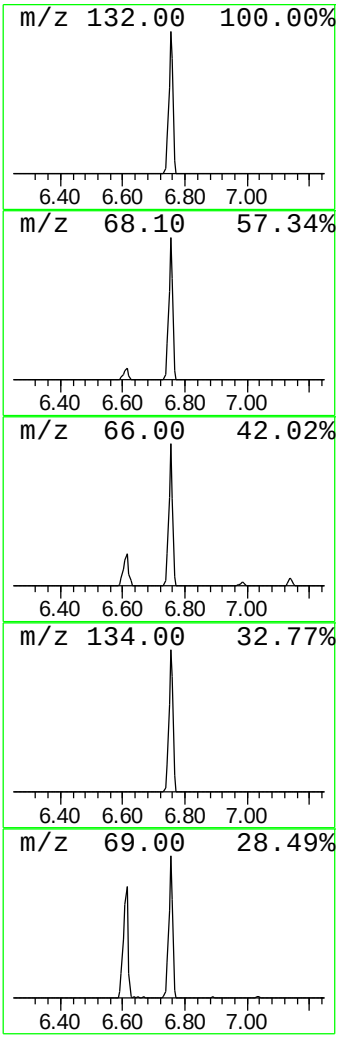
****

Peak Number 2 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	62.52 ng	3137640	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	14
2	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	10
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	10
5	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107485.D
Acq On : 18 Jul 2018 18:40
Operator : JU/SJ
Sample : J4016-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5-U-23-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

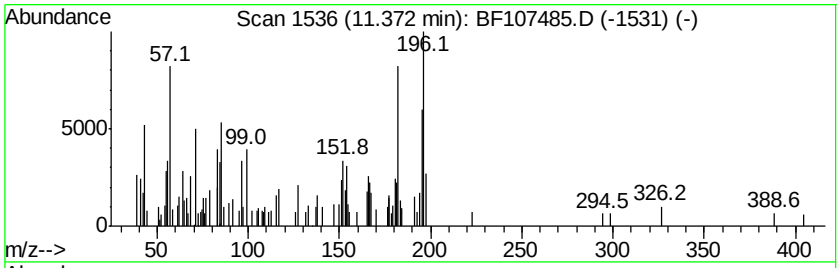
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

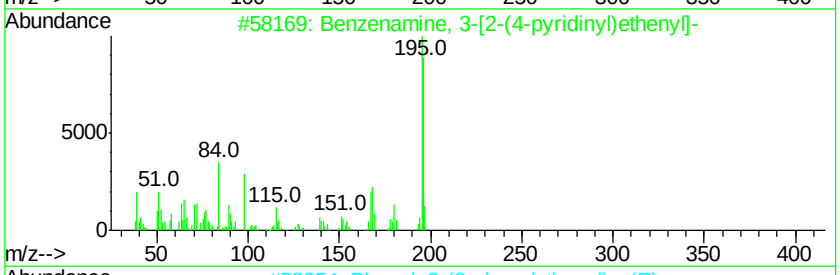
****

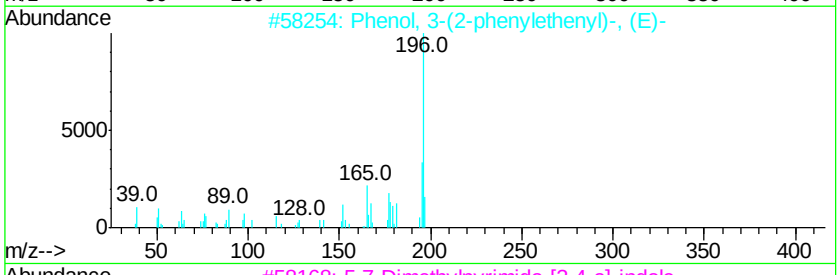
Peak Number 4 unknown11.37 Concentration Rank 17

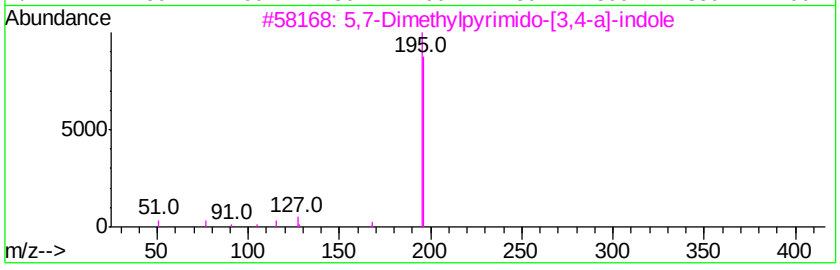
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	2.17 ng	154626	Phenanthrene-d10	11.52

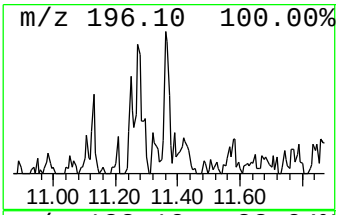
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	49
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46
3	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	43
4	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	35
5	2-Amino-6,7-dimethyl-5,6,7,8-tet...	195	C8H13N5O	1000239-36-2	30

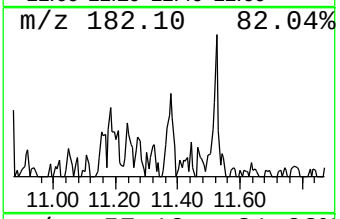


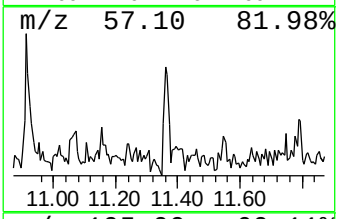


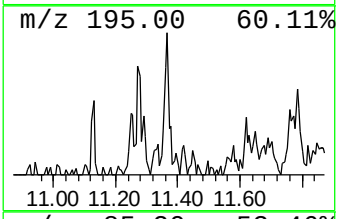


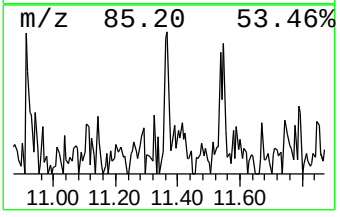












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107485.D
Acq On : 18 Jul 2018 18:40
Operator : JU/SJ
Sample : J4016-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5-U-23-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

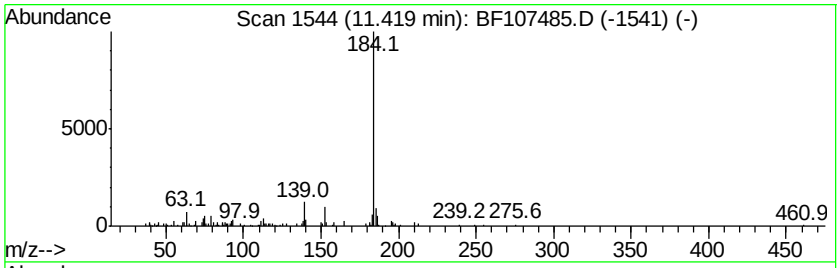
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

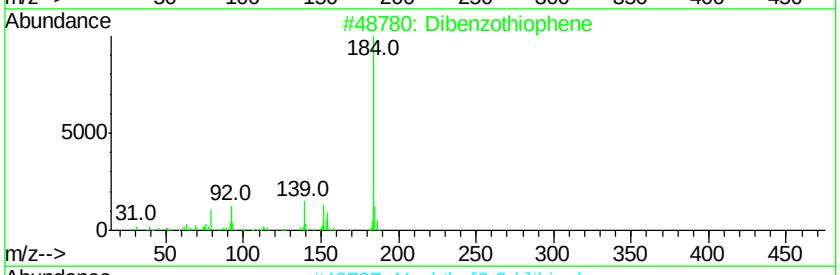
****

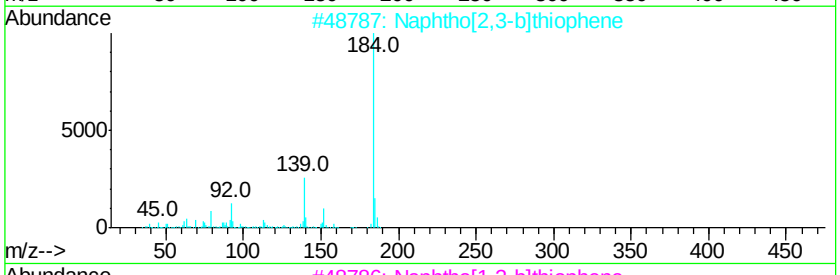
Peak Number 5 Dibenzothiophene Concentration Rank 20

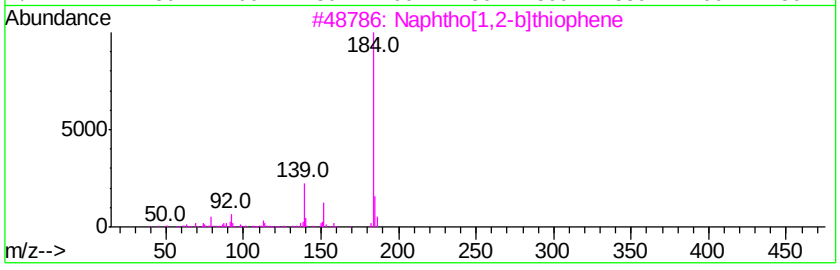
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	2.02 ng	144028	Phenanthrene-d10	11.52

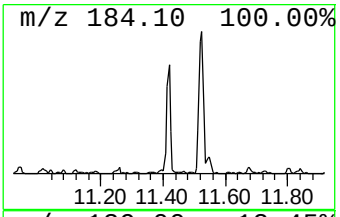
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	87
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	74
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	74
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	64
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	59

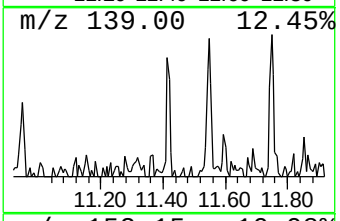


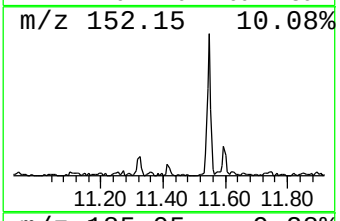


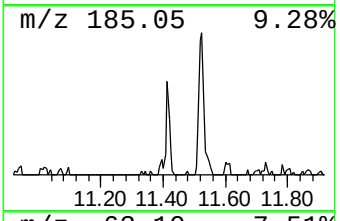


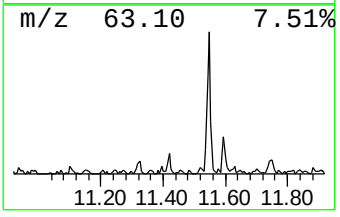












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Acq On : 18 Jul 2018 18:40
Operator : JU/SJ
Sample : J4016-20
Misc :
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Instrument : BNA_F
ClientSampleId : SB5-U-23-13

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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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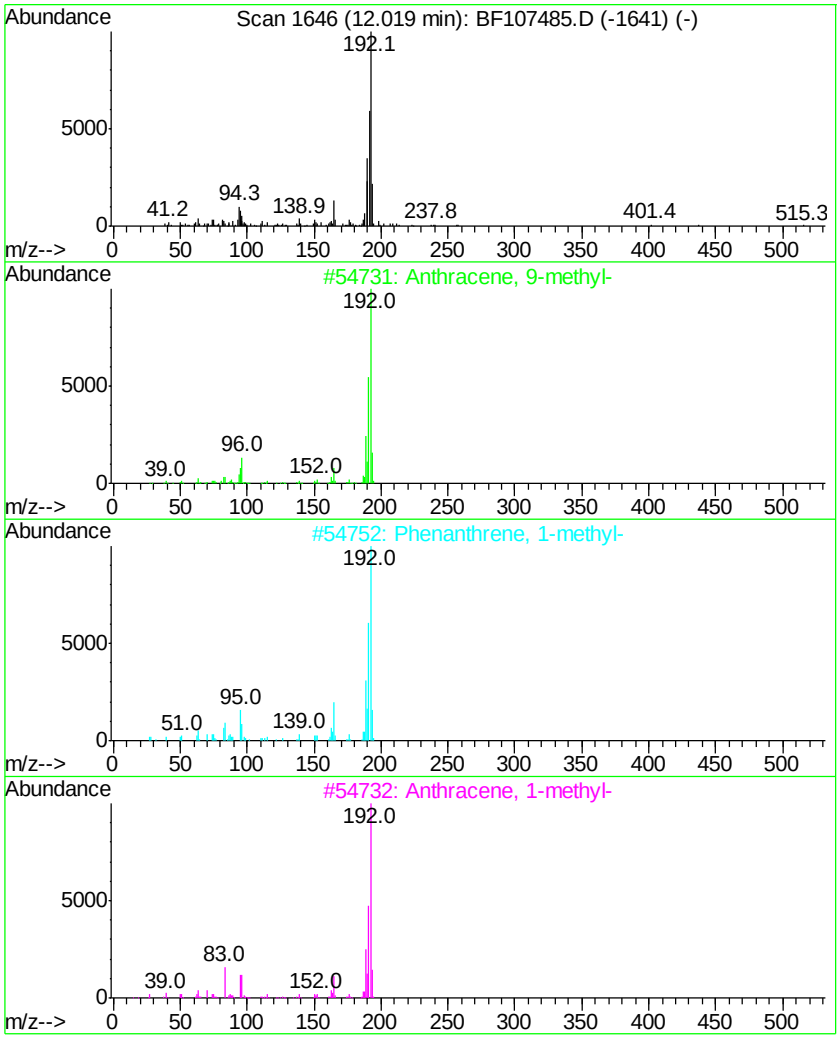
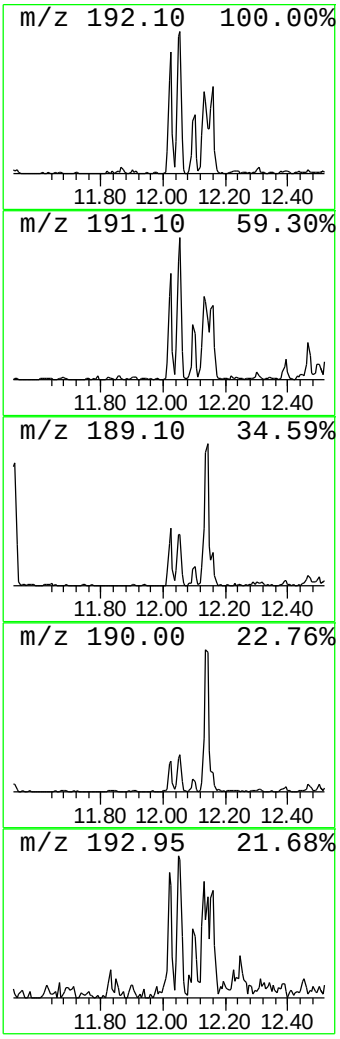
Peak Number 6 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.35 ng	310072	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	74
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	72





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ClientSampleId : SB5-U-23-13

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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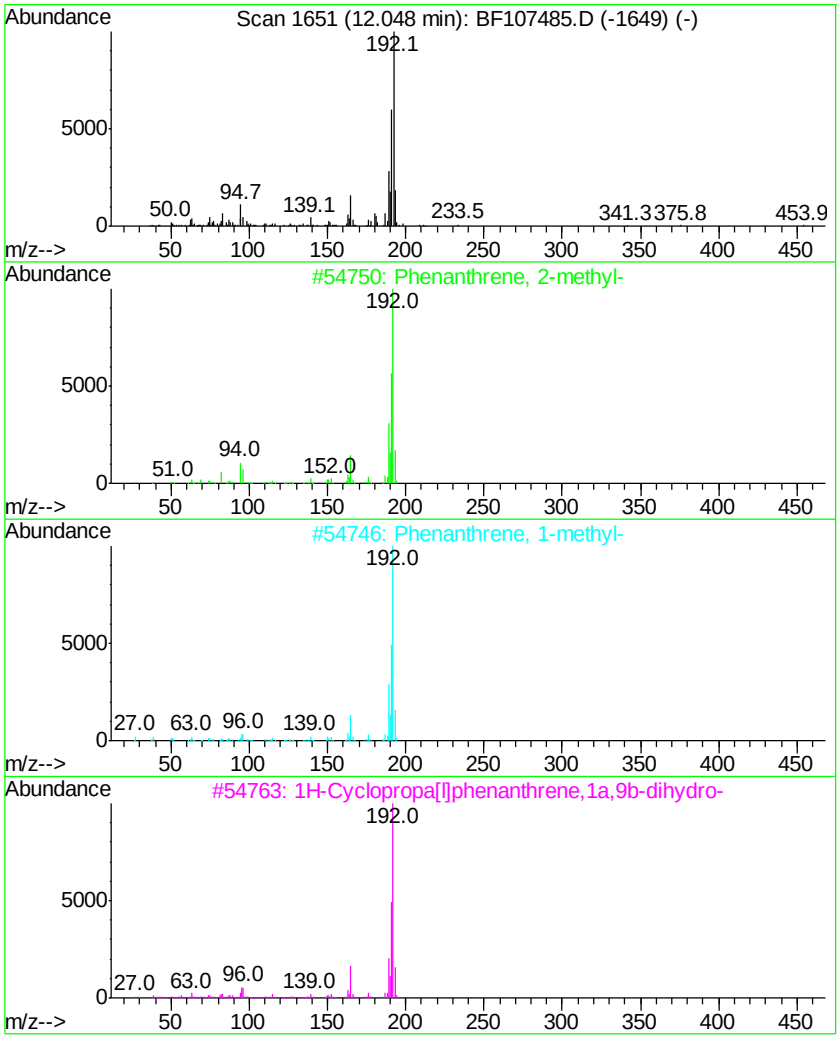
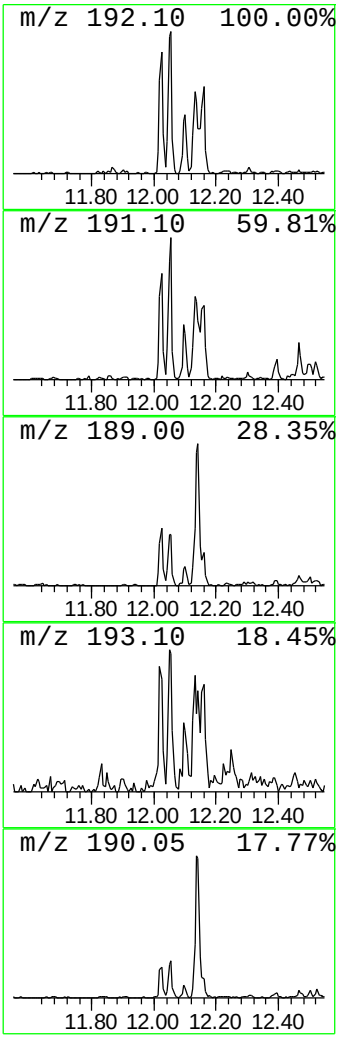
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	5.15 ng	367316	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





Library Search Compound Report

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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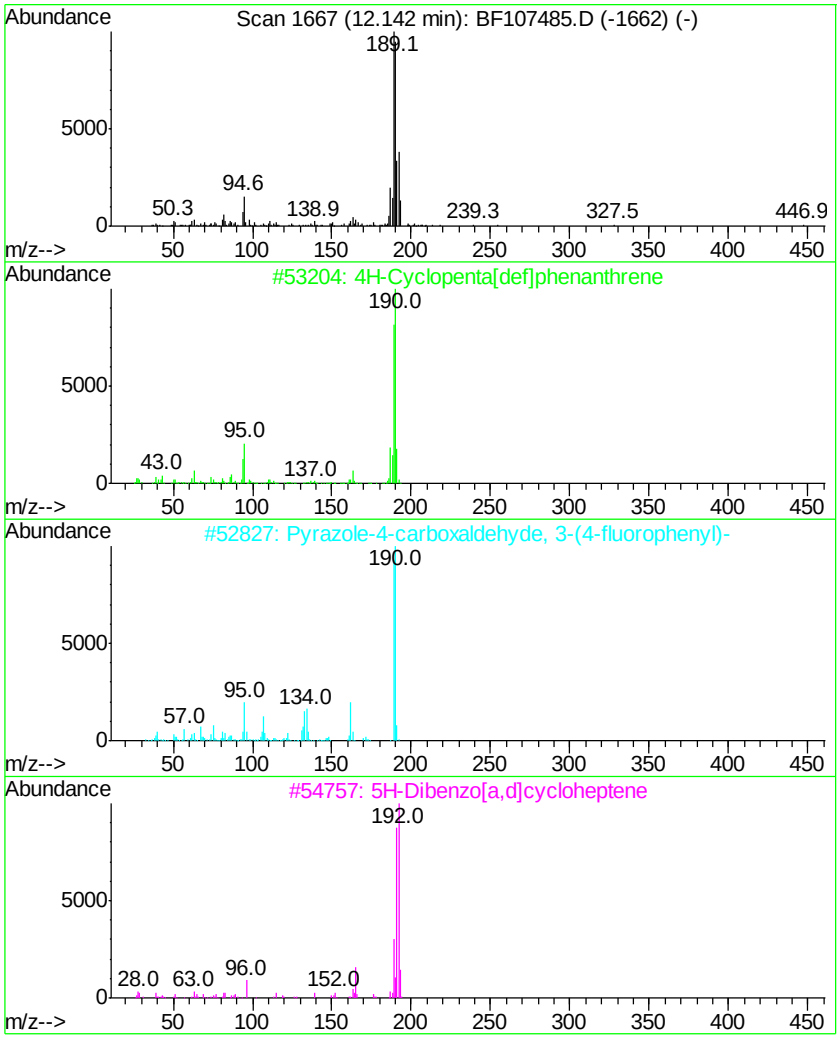
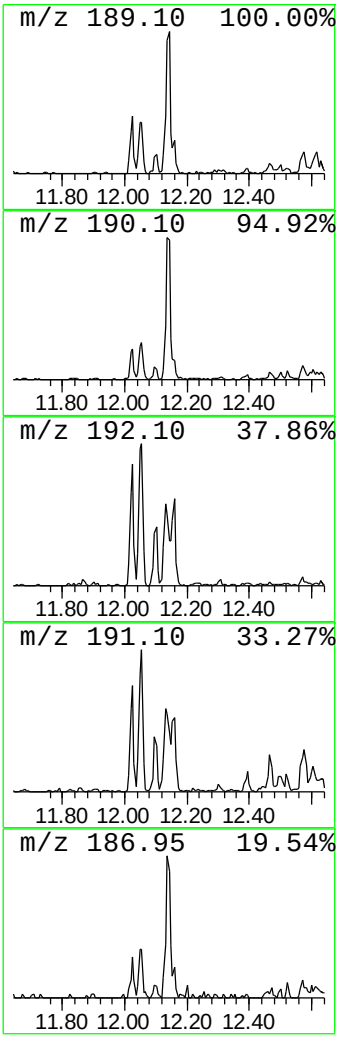
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	7.06 ng	503280	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	30





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5-U-23-13

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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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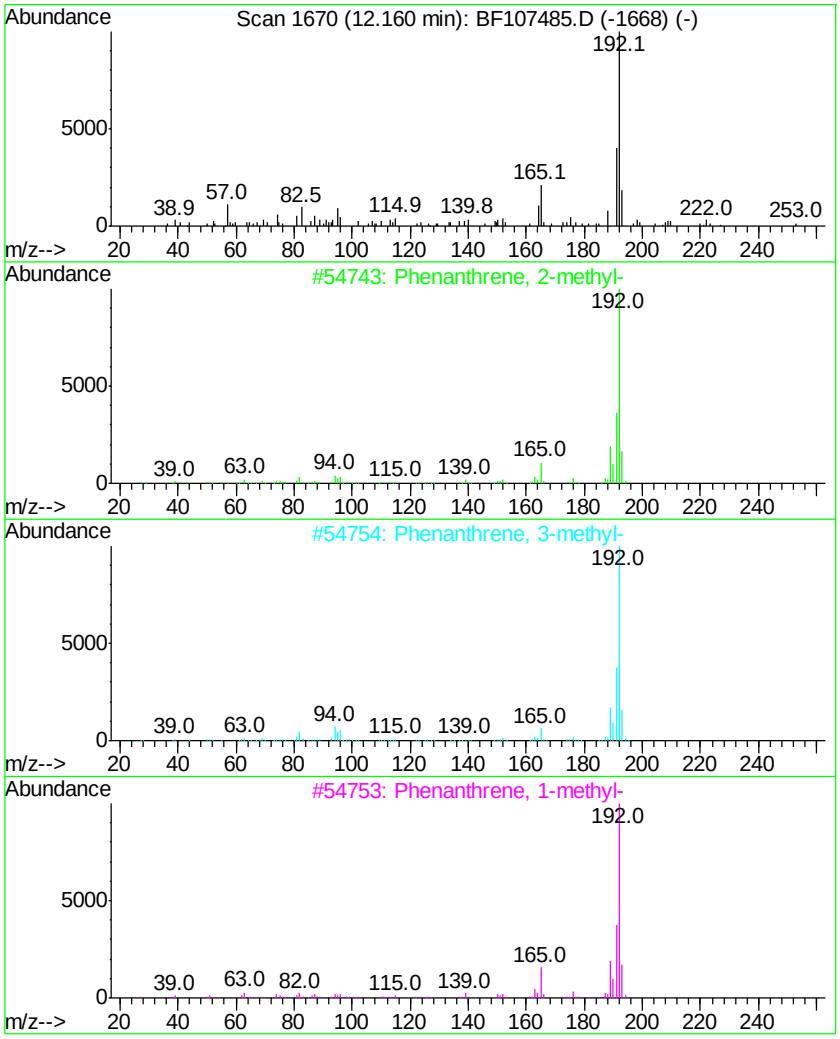
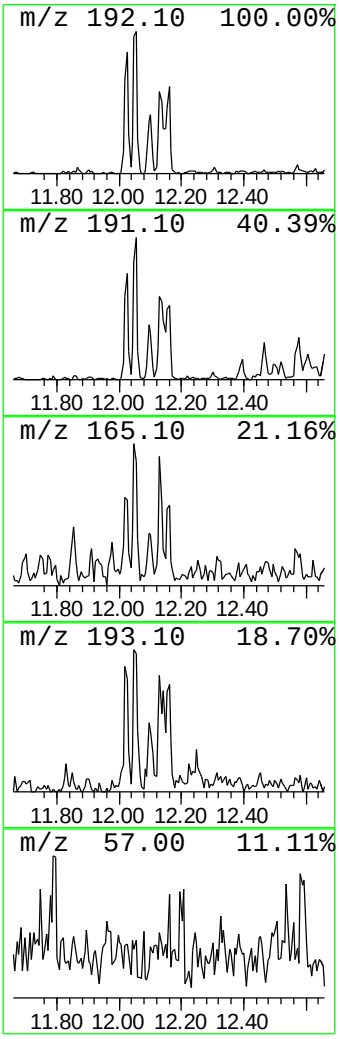
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	2.37 ng	168879	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	78
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	72
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	72
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	64





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ALS Vial : 23 Sample Multiplier: 1

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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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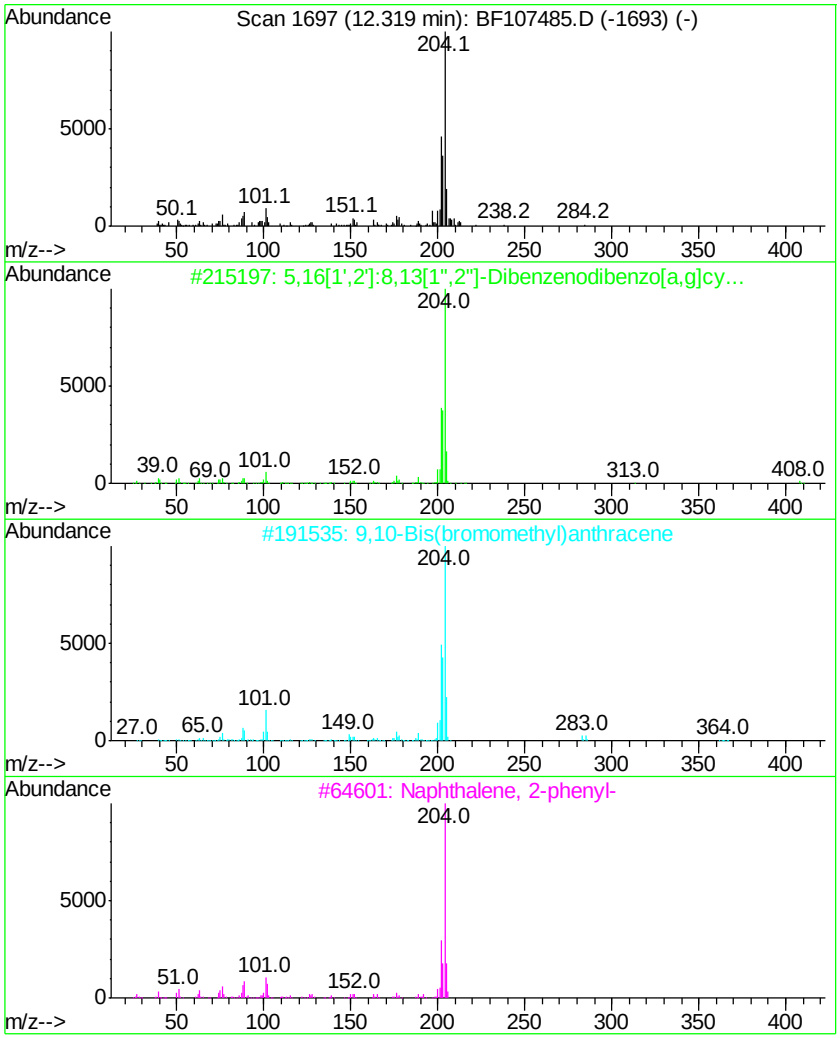
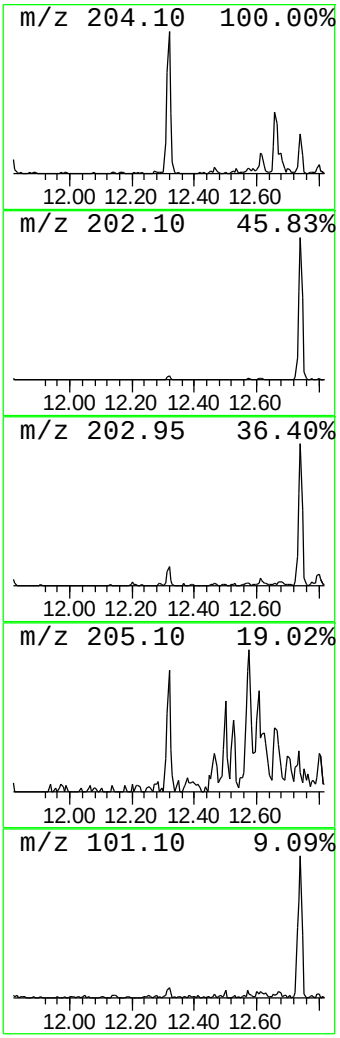
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	2.78 ng	197978	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	80
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	72
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72





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ClientSampleId : SB5-U-23-13

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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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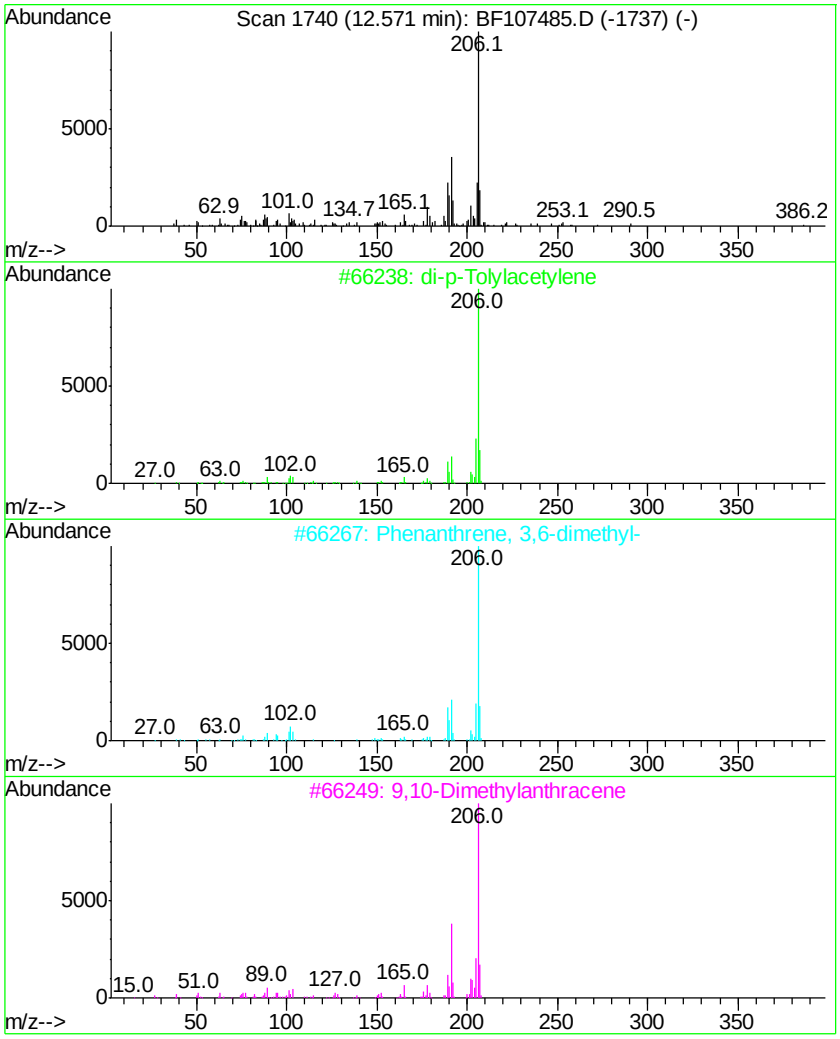
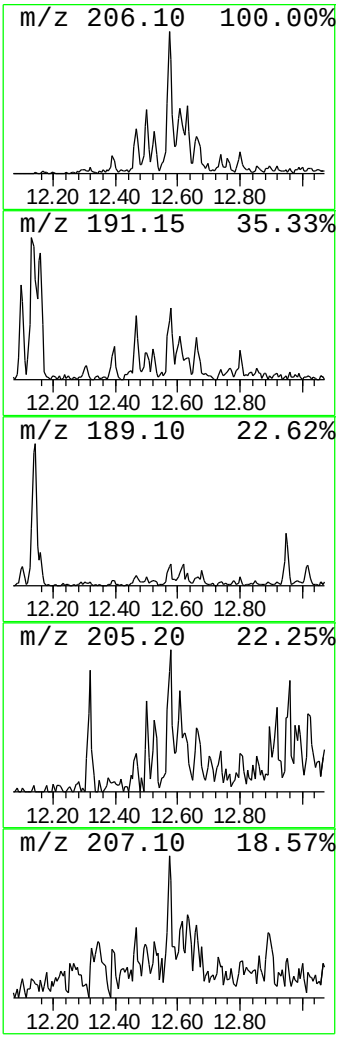
Peak Number 11 di-p-Tolylacetylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	3.25 ng	231726	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Sample : J4016-20
Misc :
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Instrument : BNA_F
ClientSampleId : SB5-U-23-13

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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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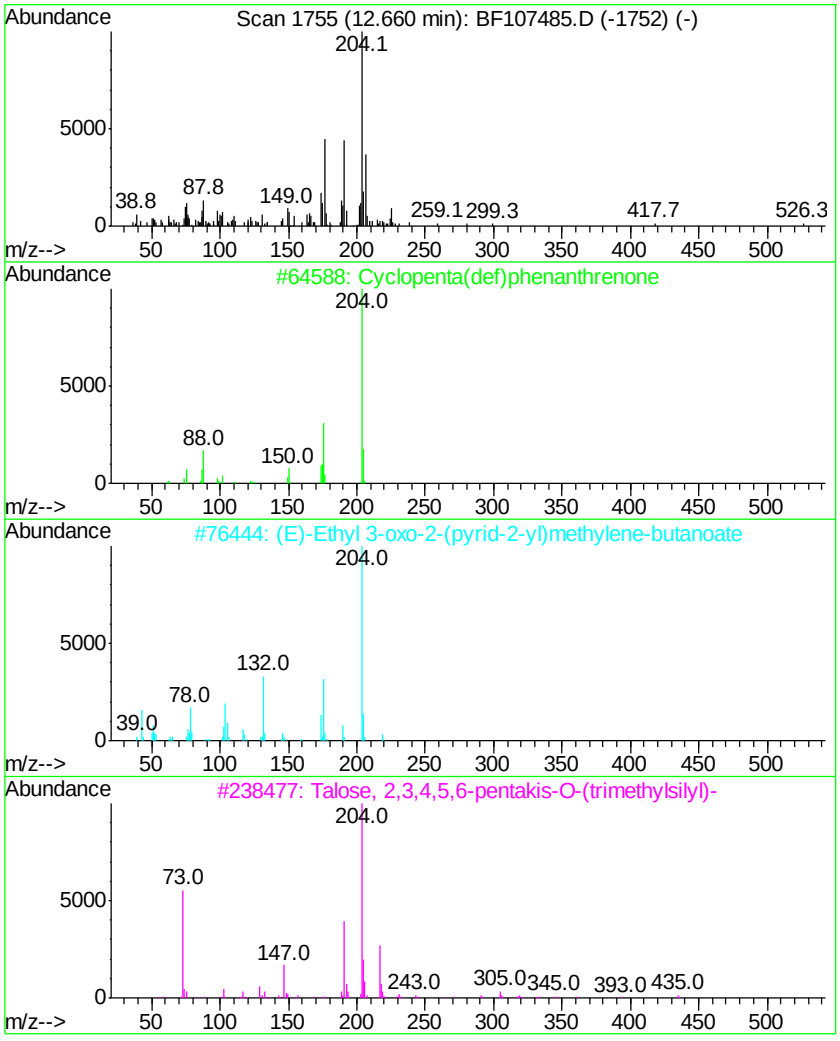
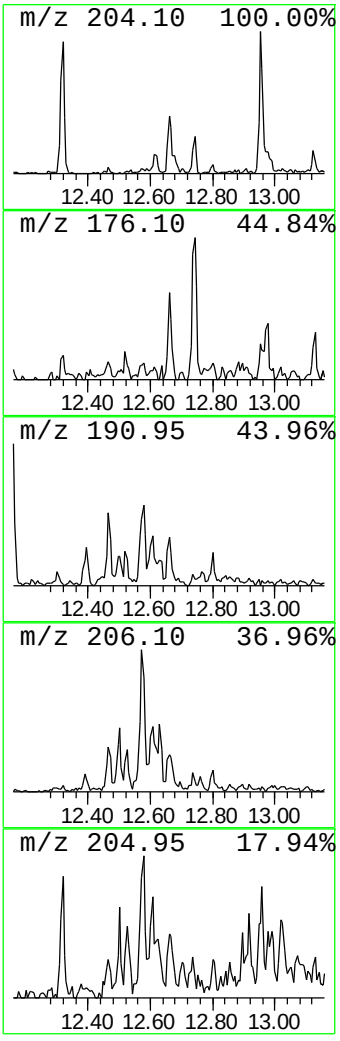
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	2.31 ng	164827	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	47
3	Talose, 2,3,4,5,6-pentakis-O-(tr...	540	C21H52O6Si5	056192-85-9	47
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	45
5	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	43





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Misc :
ALS Vial : 23 Sample Multiplier: 1

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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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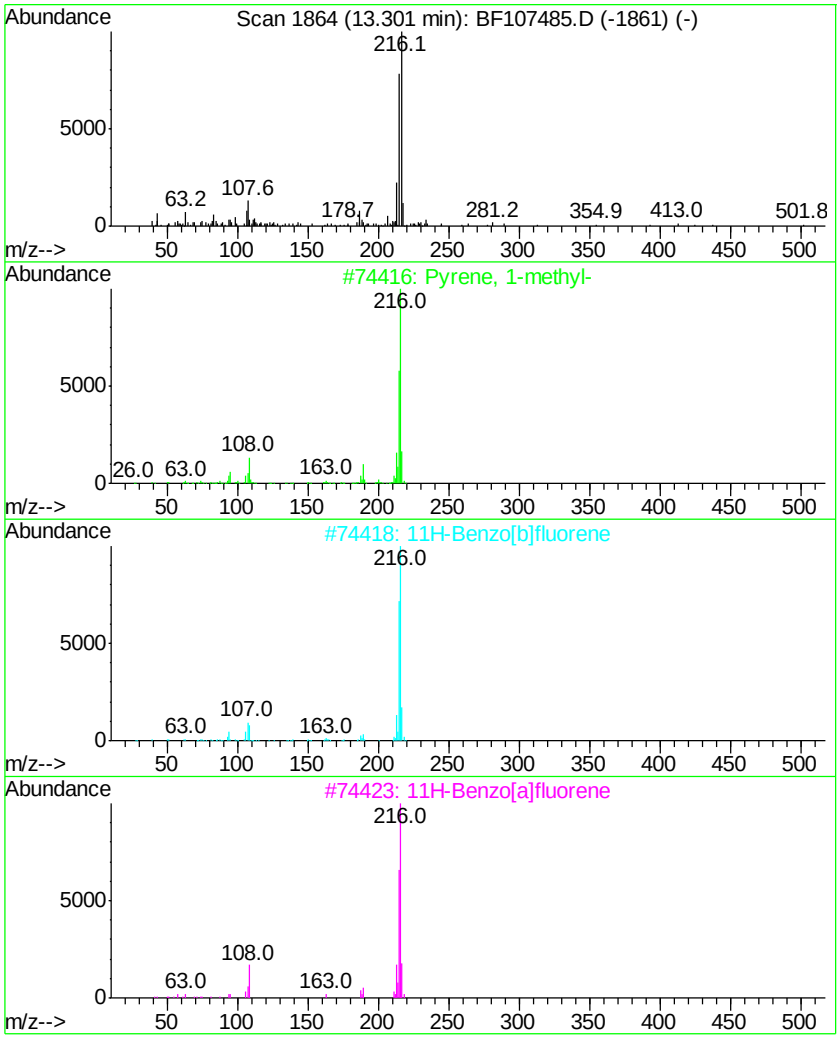
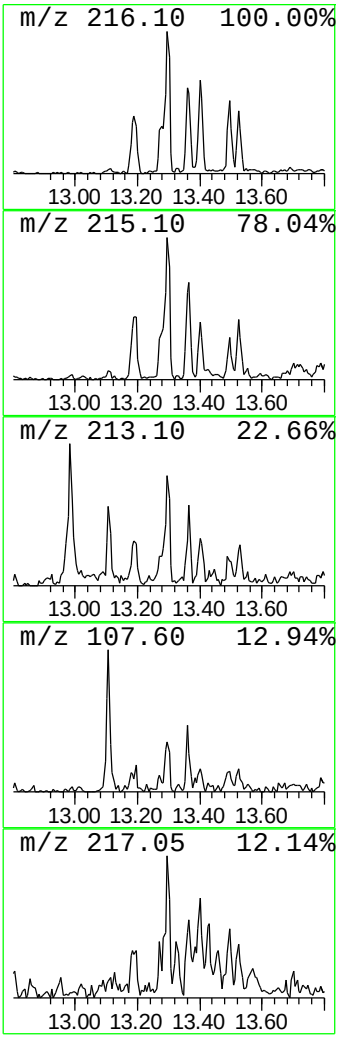
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	2.22 ng	236231	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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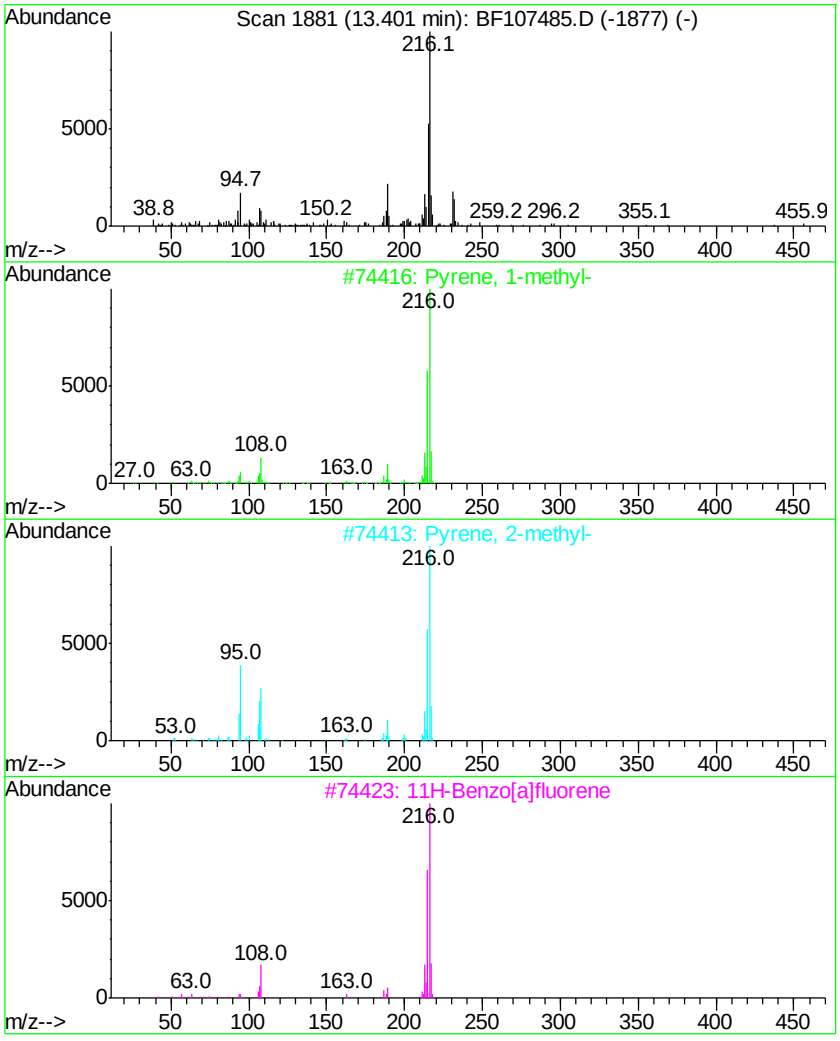
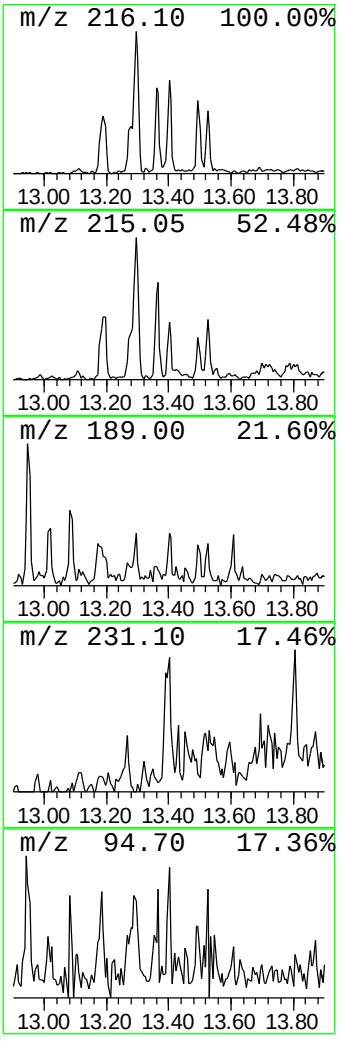
Peak Number 14 Pyrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	2.18 ng	232163	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	74
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4	1,2-Difluorostilbene	216	C14H10F2	000643-76-5	58
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	58





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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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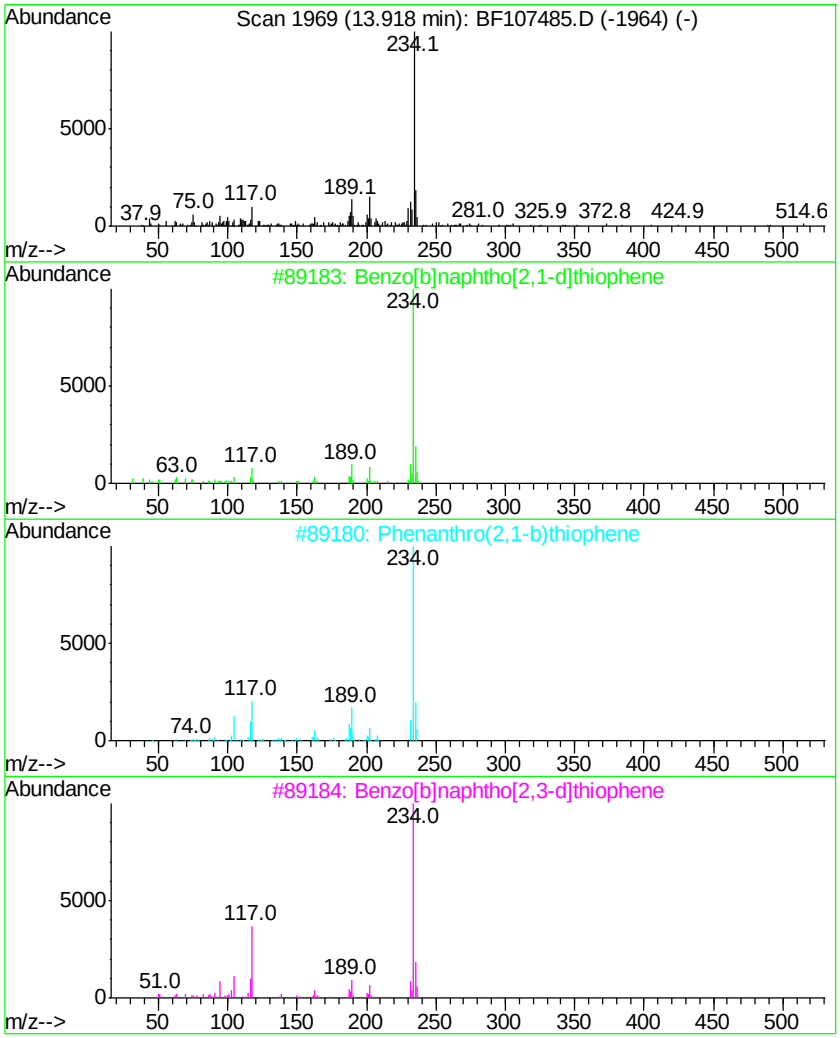
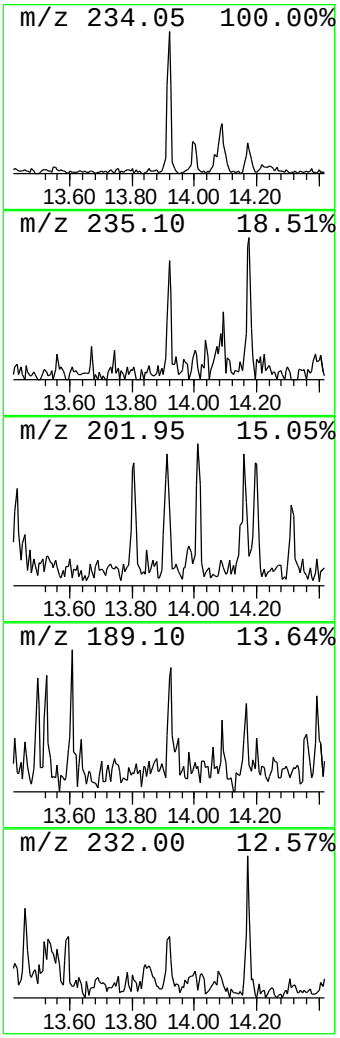
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	2.44 ng	259541	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	89
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	80
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	68
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	64





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Data File : BF107485.D
Acq On : 18 Jul 2018 18:40
Operator : JU/SJ
Sample : J4016-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5-U-23-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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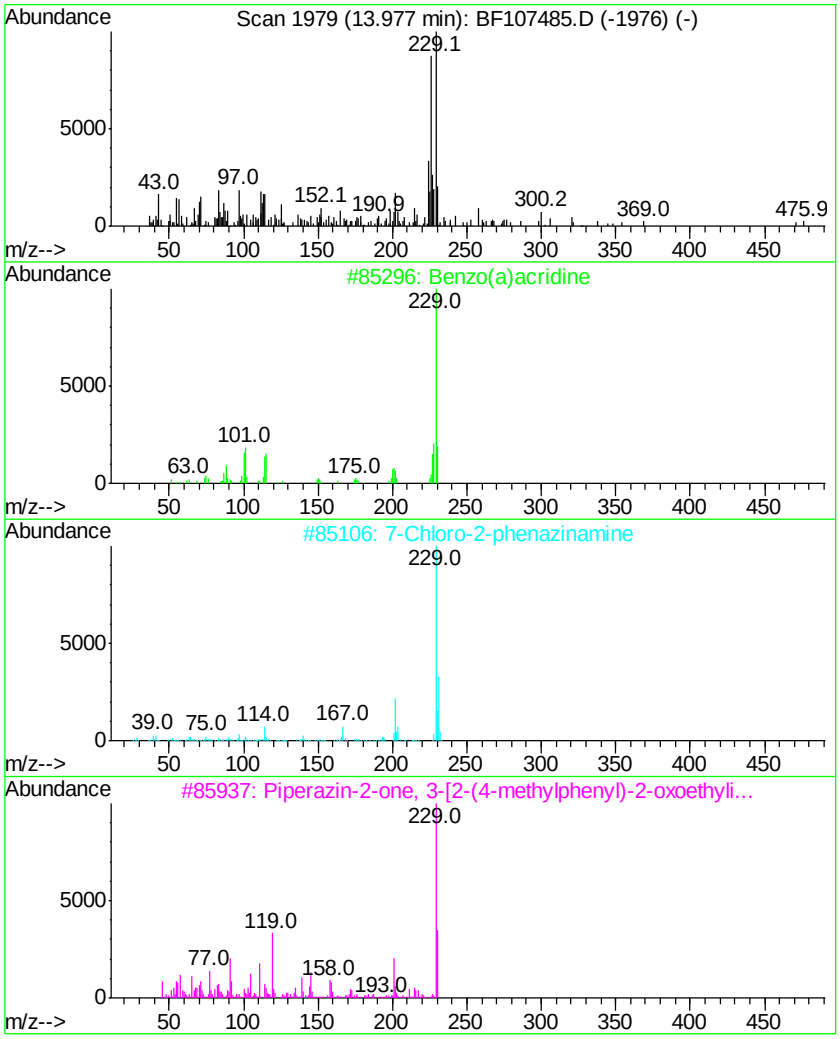
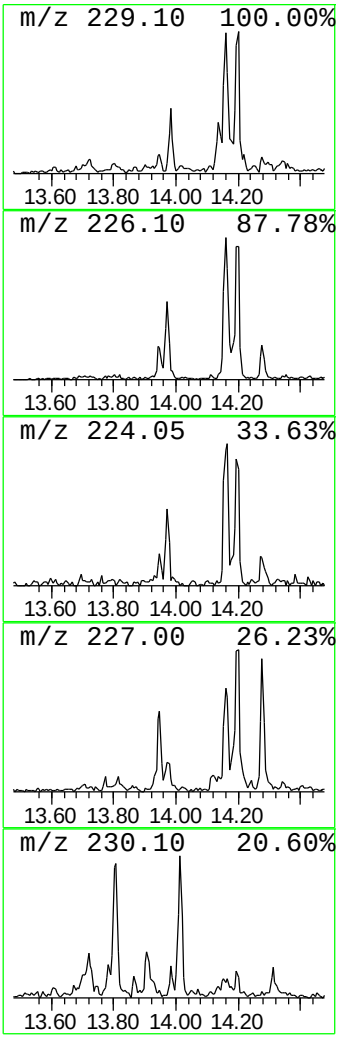
Peak Number 16 Benzo(a)acridine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	3.85 ng	409990	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)acridine	229	C17H11N	000225-11-6	52
2	7-Chloro-2-phenazinamine	229	C12H8ClN3	023677-11-4	49
3	Piperazin-2-one, 3-[2-(4-methylp...	230	C13H14N2O2	063656-21-3	49
4	Malononitrile, 2-indeno[1,2-b]py...	229	C15H7N3	1000316-60-9	43
5	(Z,Z)-3-Methyl-3H-cyclonona(def)...	230	C18H14	110823-80-8	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
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Acq On : 18 Jul 2018 18:40
Operator : JU/SJ
Sample : J4016-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5-U-23-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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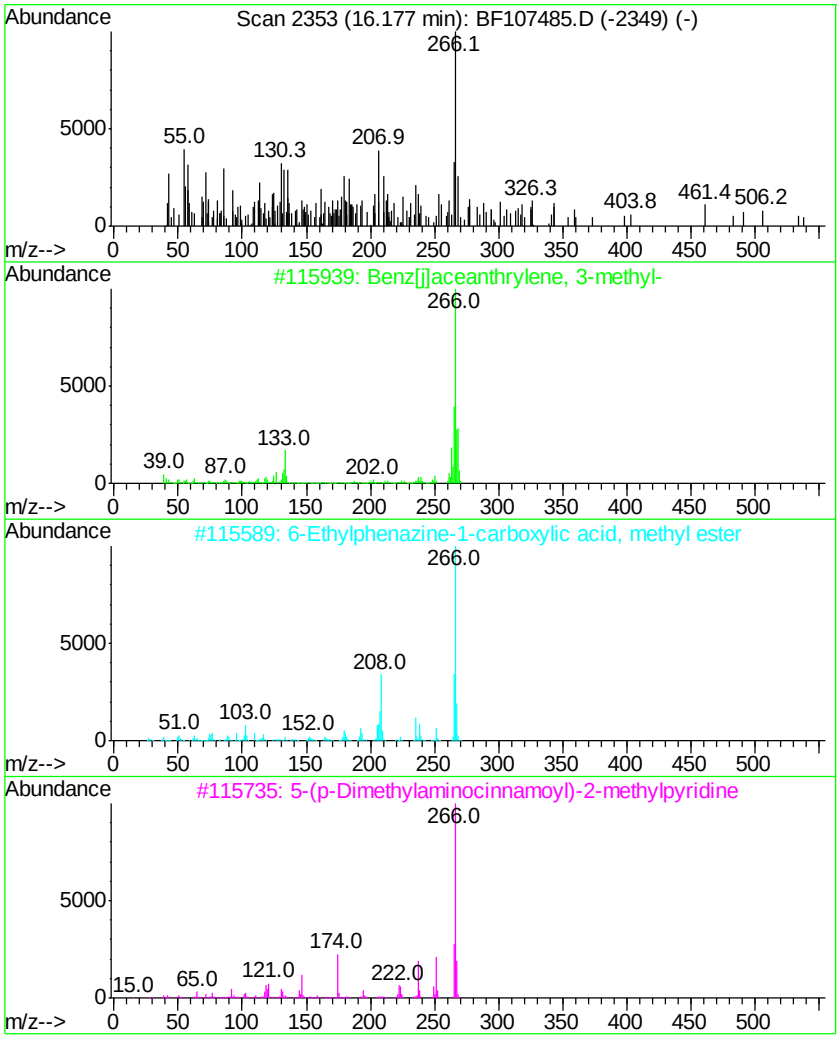
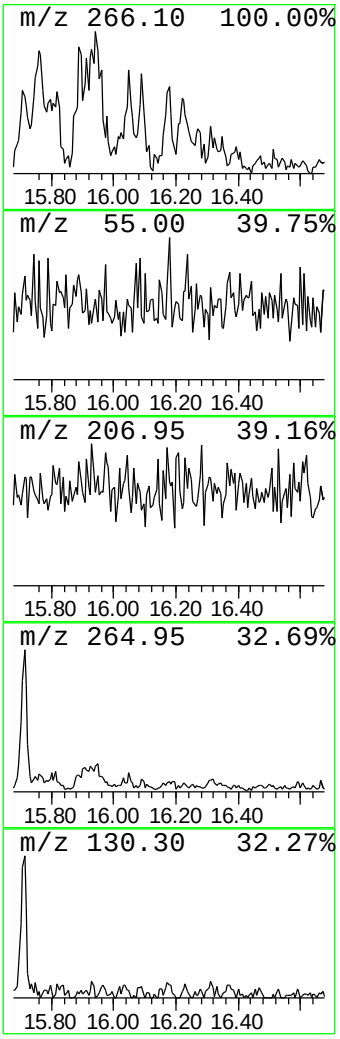
Peak Number 19 Benz[j]aceanthrylene, 3-met... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	2.02 ng	97379	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	50
2	6-Ethylphenazine-1-carboxylic ac...	266	C16H14N2O2	261351-38-6	43
3	5-(p-Dimethylaminocinnamoyl)-2-m...	266	C17H18N2O	004625-19-8	38
4	Benzene-1,3-diol, 4-(5-methyl-4-...	266	C16H14N2O2	1000303-03-6	35
5	4'-Amino-4-dimethylaminochalcone	266	C17H18N2O	025870-72-8	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107485.D
Acq On : 18 Jul 2018 18:40
Operator : JU/SJ
Sample : J4016-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5-U-23-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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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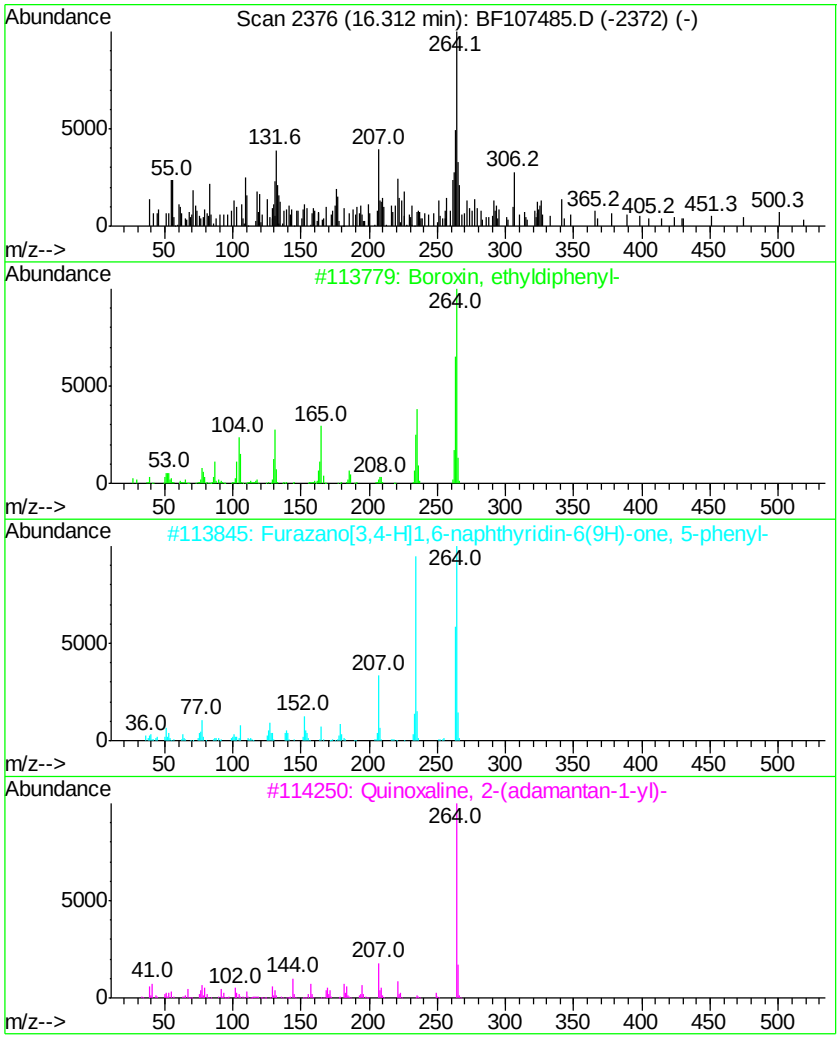
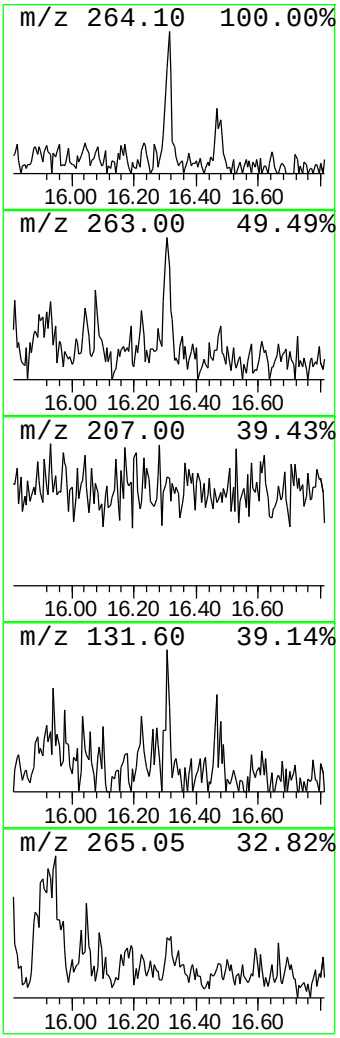
Peak Number 20 unknown16.31 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	2.04 ng	98182	Perylene-d12	15.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	38
2	Furazano[3,4-H]1,6-naphthyridin-...	264	C14H8N4O2	296245-19-7	35
3	Quinoxaline, 2-(adamantan-1-yl)-	264	C18H20N2	1000302-51-7	35
4	3,6-Dichlorocatechol, cyclic phe...	264	C12H7BCl2O2	1000293-25-1	27
5	10H-Phenoxaphosphine, 2-fluoro-1...	264	C13H10FO3P	037041-12-6	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071818\
Data File : BF107485.D
Acq On : 18 Jul 2018 18:40
Operator : JU/SJ
Sample : J4016-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB5-U-23-13

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.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
2-Hexanol, 2-methyl-	5.22	8.9	ng	446002	1	6.98	1003750	20.0
unknown6.75	6.75	62.5	ng	3137640	1	6.98	1003750	20.0
unknown11.37	11.37	2.2	ng	154626	4	11.52	1426120	20.0
Dibenzothiophene	11.42	2.0	ng	144028	4	11.52	1426120	20.0
Anthracene, 9-met...	12.02	4.3	ng	310072	4	11.52	1426120	20.0
Phenanthrene, 2-m...	12.05	5.2	ng	367316	4	11.52	1426120	20.0
4H-Cyclopenta[def...	12.14	7.1	ng	503280	4	11.52	1426120	20.0
Phenanthrene, 1-m...	12.16	2.4	ng	168879	4	11.52	1426120	20.0
5,16[1',2']:8,13[...	12.32	2.8	ng	197978	4	11.52	1426120	20.0
di-p-Tolylacetylene	12.57	3.3	ng	231726	4	11.52	1426120	20.0
Cyclopenta(def)ph...	12.66	2.3	ng	164827	4	11.52	1426120	20.0
Pyrene, 1-methyl-	13.30	2.2	ng	236231	5	14.17	2127320	20.0
Pyrene, 2-methyl-	13.40	2.2	ng	232163	5	14.17	2127320	20.0
Benzo[b]naphtho[2...	13.92	2.4	ng	259541	5	14.17	2127320	20.0
Benzo(a)acridine	13.98	3.9	ng	409990	5	14.17	2127320	20.0
Benz[j]aceanthryl...	16.18	2.0	ng	97379	6	15.71	962769	20.0
unknown16.31	16.31	2.0	ng	98182	6	15.71	962769	20.0