LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107593.D
Acq On : 23 Jul 2018 17:31
Operator : JU/SJ
Sample : J4030-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB9-12-0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.201	484	487	503	rVB	447581	468335	8.27%	0.716%
2	5.607	552	556	574	rBV	1641079	2023436	35.75%	3.093%
3	6.607	722	726	746	rBV	1790693	2457138	43.41%	3.756%
4	6.748	746	750	756	rVV	2356043	2314471	40.89%	3.538%
5	6.795	756	758	763	rVB2	65646	78836	1.39%	0.121%
6	6.978	785	789	795	rBV	1547830	1519601	26.85%	2.323%
7	7.025	795	797	805	rVB3	82243	114304	2.02%	0.175%
8	7.131	812	815	829	rVB	2078728	1969637	34.80%	3.011%
9	7.536	881	884	895	rBV	1161492	1432972	25.32%	2.190%
10	8.260	1004	1007	1018	rBV	1837293	1934611	34.18%	2.957%
11	8.977	1125	1129	1135	rBV	125474	147953	2.61%	0.226%
12	9.072	1142	1145	1151	rBV	153682	154597	2.73%	0.236%
13	9.330	1186	1189	1199	rBV	2483721	2408422	42.55%	3.682%
14	9.401	1199	1201	1205	rVV	86876	89738	1.59%	0.137%
15	9.436	1205	1207	1213	rVB	58781	64388	1.14%	0.098%
16	9.607	1231	1236	1239	rBV	114870	161786	2.86%	0.247%
17	9.677	1244	1248	1250	rBV	214073	227213	4.01%	0.347%
18	9.724	1254	1256	1263	rVB	448633	408122	7.21%	0.624%
19	9.795	1264	1268	1270	rBV	97689	103608	1.83%	0.158%
20	9.883	1279	1283	1288	rBV	351258	342356	6.05%	0.523%
21	9.930	1288	1291	1295	rVB	104527	91132	1.61%	0.139%
22	9.972	1295	1298	1301	rBV	168038	169670	3.00%	0.259%
23	10.024	1303	1307	1310	rVV	1659078	1682544	29.73%	2.572%
24	10.054	1310	1312	1320	rVV	621049	555855	9.82%	0.850%
25	10.124	1320	1324	1328	rVB	52405	72942	1.29%	0.111%
26	10.177	1328	1333	1337	rBV3	58017	103412	1.83%	0.158%
27	10.224	1337	1341	1344	rVV2	246409	300814	5.31%	0.460%
28	10.260	1344	1347	1350	rVB2	121961	119092	2.10%	0.182%
29	10.336	1356	1360	1362	rBV3	124764	145484	2.57%	0.222%
30	10.366	1362	1365	1371	rVV	101731	153831	2.72%	0.235%
31	10.430	1371	1376	1381	rVB2	184230	236812	4.18%	0.362%
32	10.571	1397	1400	1406	rVB	628132	596575	10.54%	0.912%
33	10.654	1409	1414	1417	rVB3	116833	163835	2.89%	0.250%
34	10.724	1424	1426	1430	rVB	112535	113954	2.01%	0.174%

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Sample : J4030-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB9-12-0

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

35	10.813	1437	1441	1448	rBV	914655	1026180	18.13%	1.569%
36	10.907	1454	1457	1467	rVB3	182712	359883	6.36%	0.550%
37	11.118	1488	1493	1496	rBV2	206396	292141	5.16%	0.447%
38	11.148	1496	1498	1504	rVV2	142194	141700	2.50%	0.217%
39	11.201	1505	1507	1510	rVB	105101	95945	1.70%	0.147%
40	11.248	1510	1515	1517	rBV4	77144	130938	2.31%	0.200%
41	11.271	1517	1519	1524	rVB3	81035	85019	1.50%	0.130%
42	11.324	1525	1528	1531	rBV	74526	74698	1.32%	0.114%
43	11.360	1531	1534	1536	rBV2	177559	192641	3.40%	0.294%
44	11.413	1541	1543	1548	rVB	279835	263267	4.65%	0.402%
45	11.518	1557	1561	1563	rBV	1791518	1779304	31.43%	2.720%
46	11.542	1563	1565	1571	rVV	4040647	3756725	66.37%	5.743%
47	11.595	1571	1574	1578	rVV	1068577	932600	16.48%	1.426%
48	11.754	1596	1601	1604	rBV	325067	420467	7.43%	0.643%
49	11.783	1604	1606	1608	rVV	167329	128245	2.27%	0.196%
50	11.807	1608	1610	1612	rVV	96406	75409	1.33%	0.115%
51	11.848	1615	1617	1621	rVB2	163714	161936	2.86%	0.248%
52	11.930	1628	1631	1636	rVB	98082	134018	2.37%	0.205%
53	12.018	1643	1646	1649	rBV	788246	753381	13.31%	1.152%
54	12.048	1649	1651	1656	rVB2	909422	773169	13.66%	1.182%
55	12.095	1656	1659	1662	rBV	302606	254414	4.49%	0.389%
56	12.136	1662	1666	1668	rBV2	1183793	1364386	24.10%	2.086%
57	12.195	1674	1676	1680	rVB3	155133	136477	2.41%	0.209%
58	12.254	1684	1686	1689	rBV	84002	68698	1.21%	0.105%
59	12.313	1693	1696	1699	rVV	445859	421446	7.45%	0.644%
60	12.342	1699	1701	1707	rVB	303410	328816	5.81%	0.503%
61	12.465	1720	1722	1725	rBV2	132668	101939	1.80%	0.156%
62	12.495	1725	1727	1729	rBV	176346	129247	2.28%	0.198%
63	12.518	1729	1731	1733	rVB2	123243	91465	1.62%	0.140%
64	12.571	1736	1740	1744	rBV2	449569	644893	11.39%	0.986%
65	12.613	1744	1747	1748	rVV2	223859	248662	4.39%	0.380%
66	12.660	1752	1755	1760	rBV3	232535	381515	6.74%	0.583%
67	12.742	1765	1769	1772	rBV	4986416	4889225	86.38%	7.474%
68	12.801	1777	1779	1781	rVV	145851	111620	1.97%	0.171%
69	12.830	1782	1784	1787	rVV	137103	118975	2.10%	0.182%
70	12.895	1792	1795	1797	rVV	225956	271262	4.79%	0.415%
71	12.971	1801	1808	1813	rBV2	4291408	5660284	100.00%	8.652%

LSC Area Percent Report

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Misc :
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Integrator: RTE
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.012	1813	1815	1820	rVB2	277413	325907	5.76%	0.498%
73	13.101	1826	1830	1833	rBV	2426839	2240681	39.59%	3.425%
74	13.183	1840	1844	1848	rBV2	337892	576754	10.19%	0.882%
75	13.295	1856	1863	1868	rBV	902964	1361848	24.06%	2.082%
76	13.360	1872	1874	1877	rBV	680802	646905	11.43%	0.989%
77	13.401	1879	1881	1884	rVB	402813	327958	5.79%	0.501%
78	13.495	1895	1897	1899	rBV	246396	197763	3.49%	0.302%
79	13.524	1900	1902	1907	rVV	294171	285317	5.04%	0.436%
80	13.948	1972	1974	1976	rBV	288477	222303	3.93%	0.340%
81	14.124	2002	2004	2006	rBV	293905	232614	4.11%	0.356%
82	14.165	2007	2011	2015	rVV2	2329227	3724555	65.80%	5.693%
83	14.201	2015	2017	2024	rVB	1806955	1698776	30.01%	2.597%
84	14.277	2028	2030	2033	rBV	305948	309633	5.47%	0.473%
85	15.254	2193	2196	2200	rBV	938547	1545232	27.30%	2.362%
86	15.583	2249	2252	2259	rVB	616770	849247	15.00%	1.298%
87	15.648	2260	2263	2268	rVB	895019	1145269	20.23%	1.751%

Sum of corrected areas: 65419228

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
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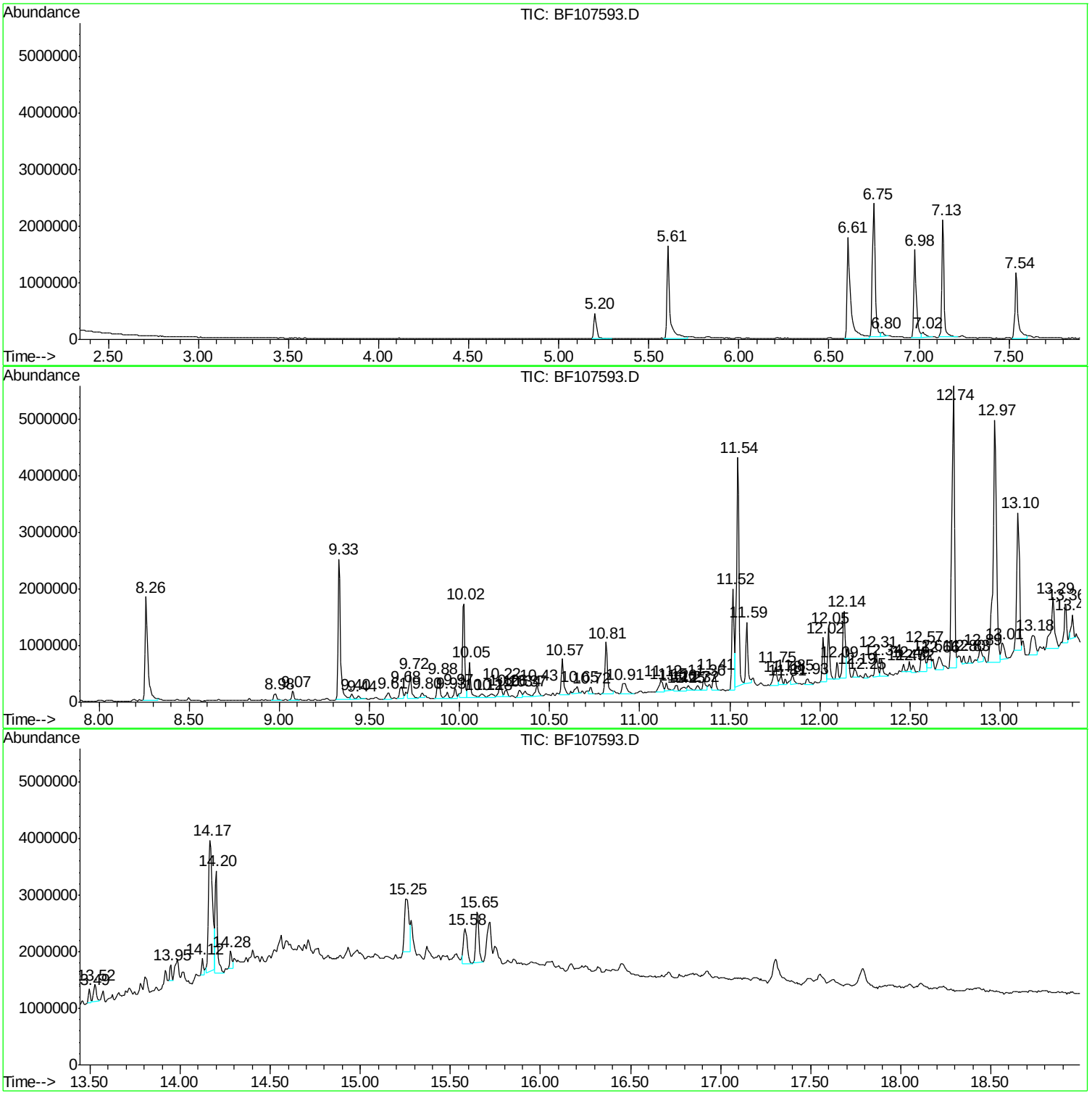
Sample : J4030-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB9-12-0

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107593.D
Acq On : 23 Jul 2018 17:31
Operator : JU/SJ
Sample : J4030-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB9-12-0

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

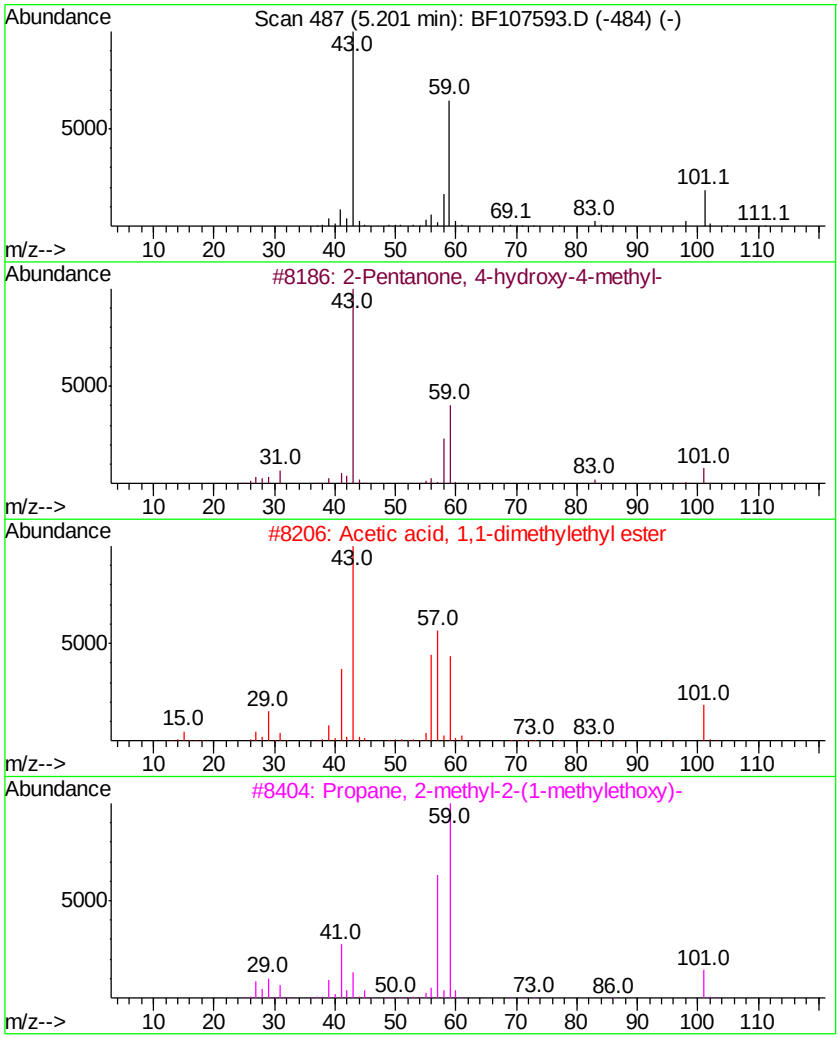
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

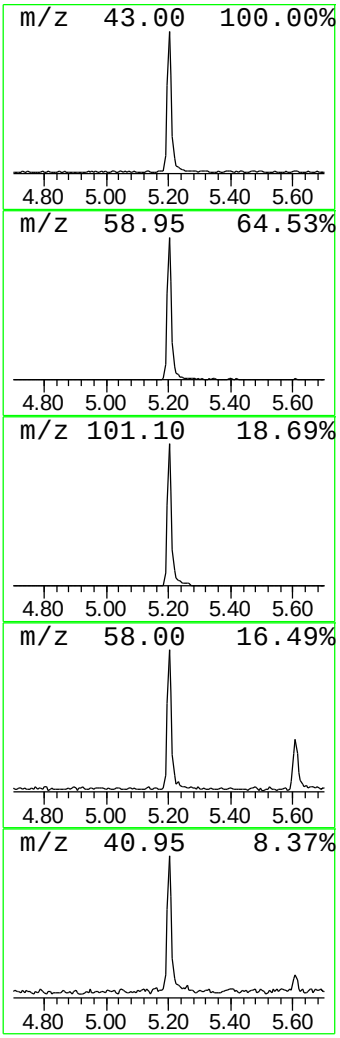
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	6.16 ng	468335	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : SB9-12-0

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

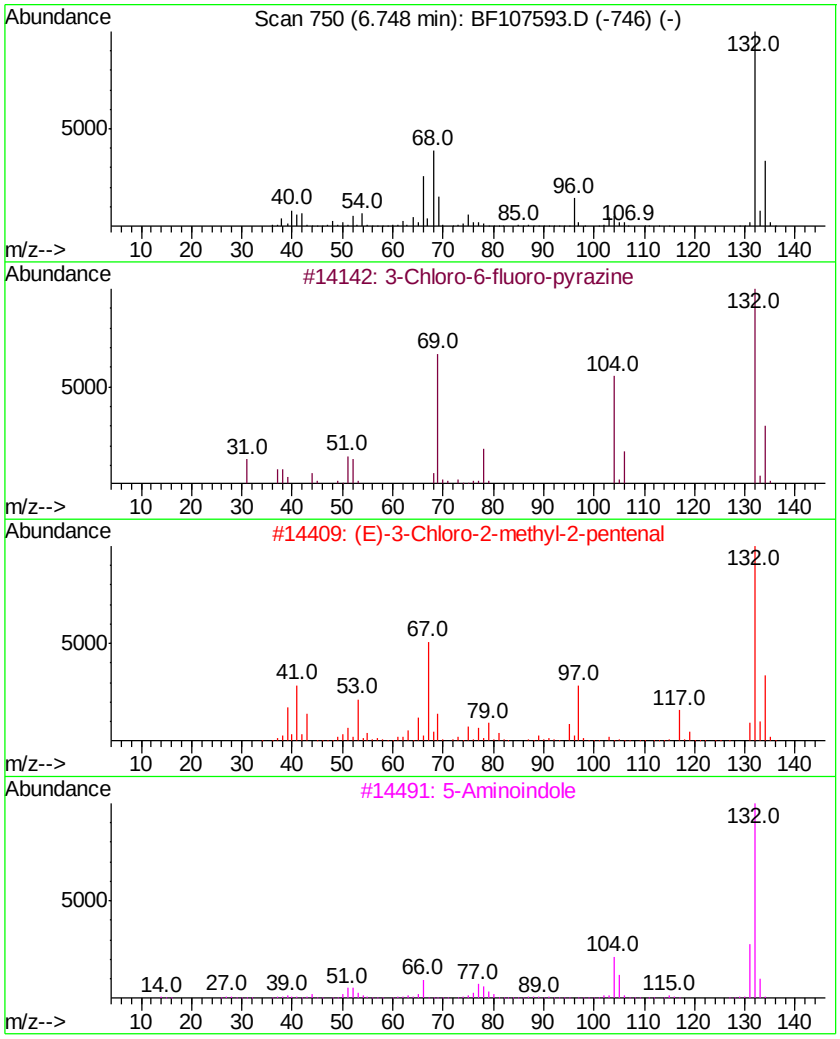
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

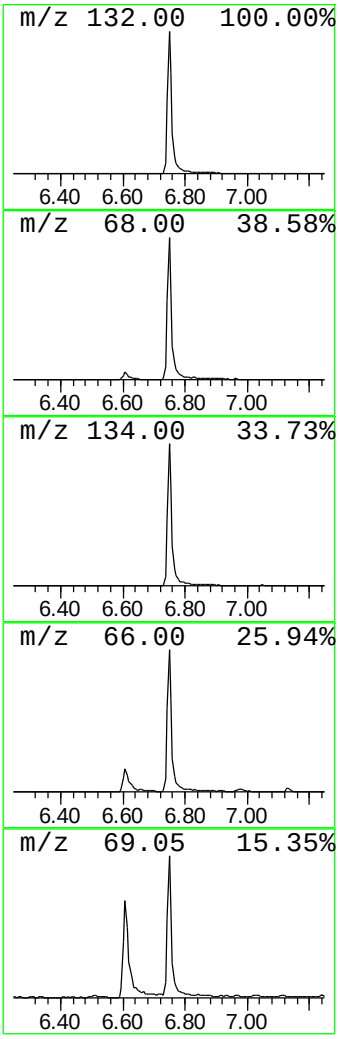
****

Peak Number 2 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	30.46 ng	2314470	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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TIC Library : C:\DATABASE\NIST11.L
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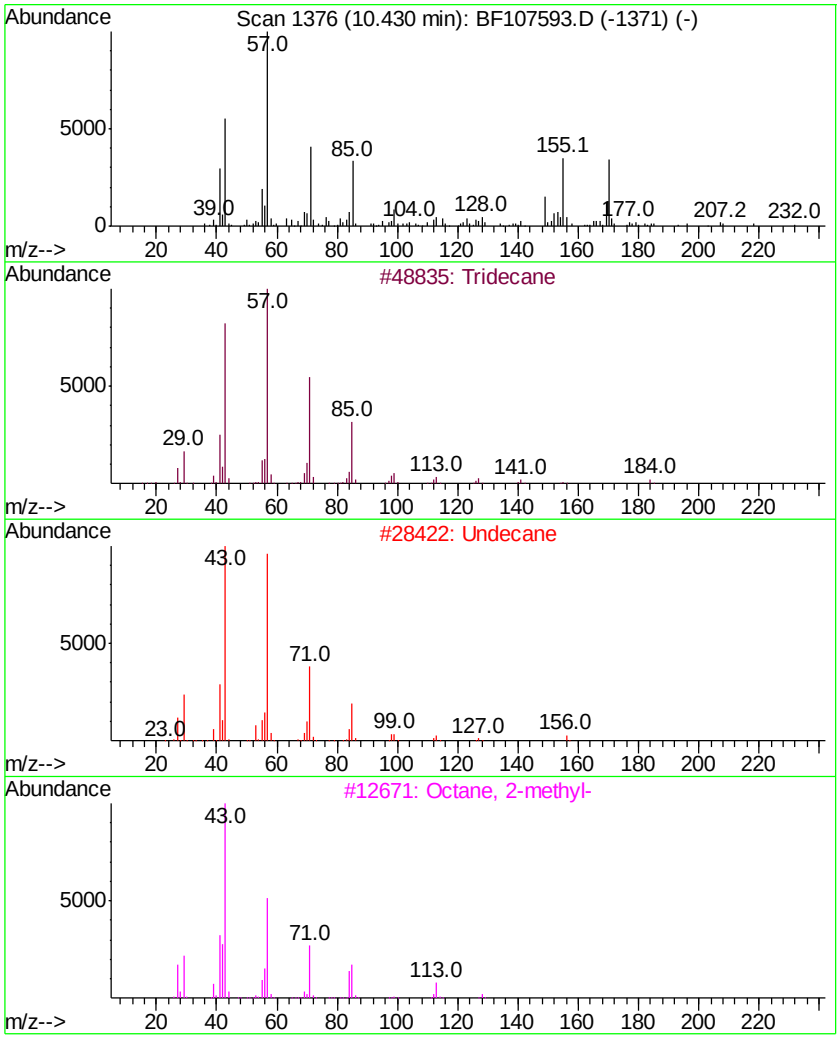
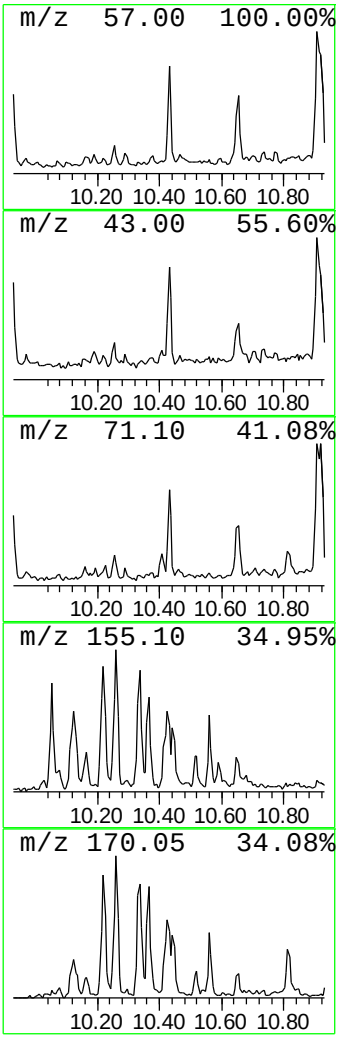
****

Peak Number 4 unknown10.43 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	2.81 ng	236812	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	46
2	Undecane	156	C11H24	001120-21-4	46
3	Octane, 2-methyl-	128	C9H20	003221-61-2	43
4	Hexadecane	226	C16H34	000544-76-3	38
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	38





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TIC Library : C:\DATABASE\NIST11.L
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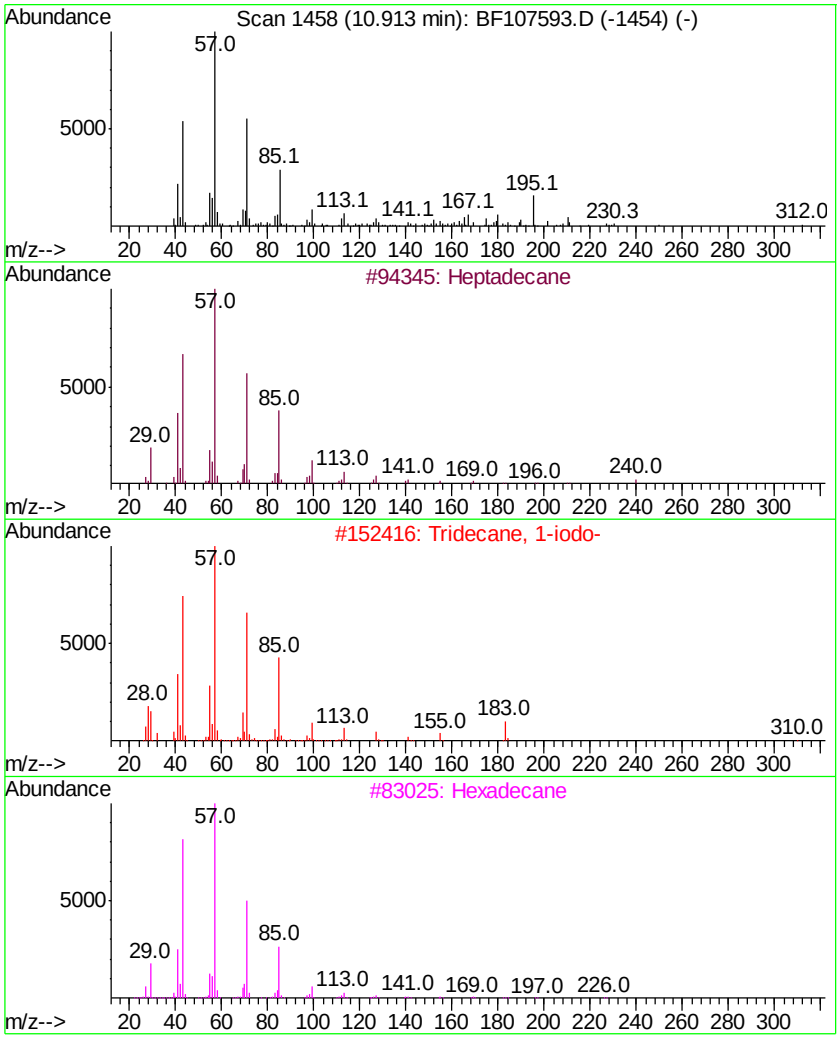
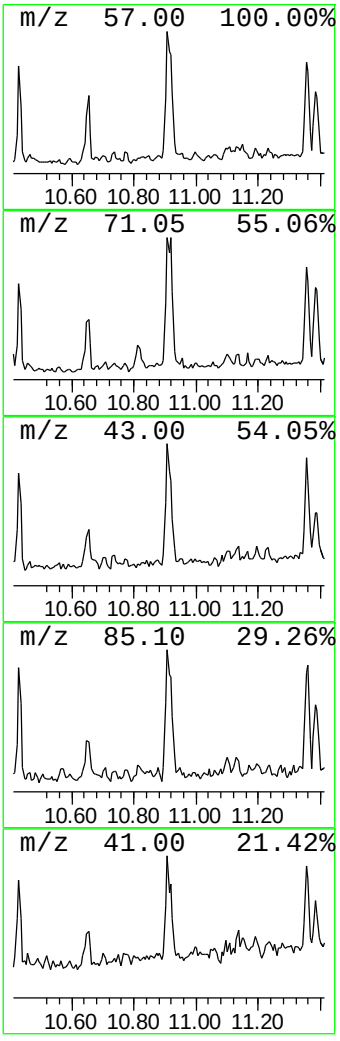
Peak Number 5 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	4.05 ng	359883	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	87
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
3	Hexadecane	226	C16H34	000544-76-3	72
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
5	Tetradecane	198	C14H30	000629-59-4	64





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB9-12-0

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

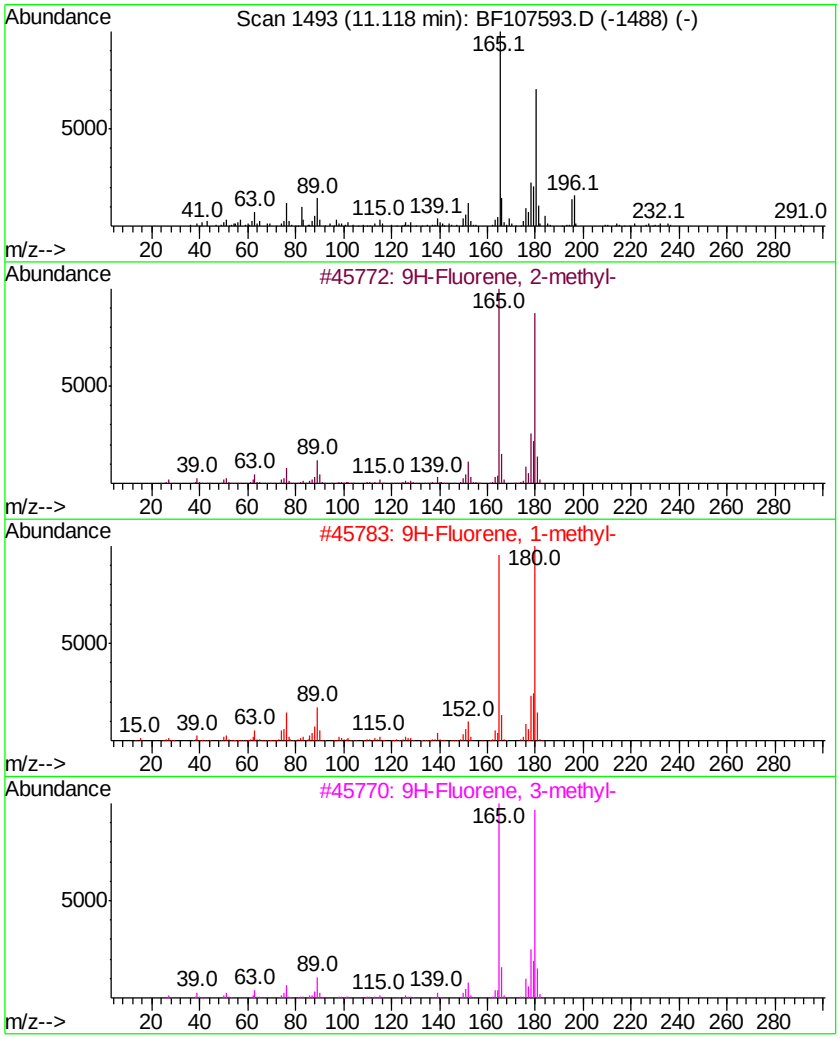
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

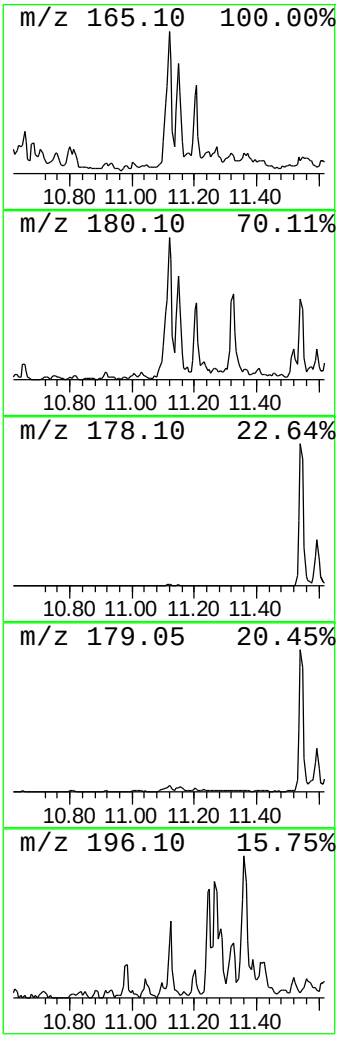
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	3.28 ng	292141	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	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	83





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Misc :
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Instrument : BNA_F
ClientSampleId : SB9-12-0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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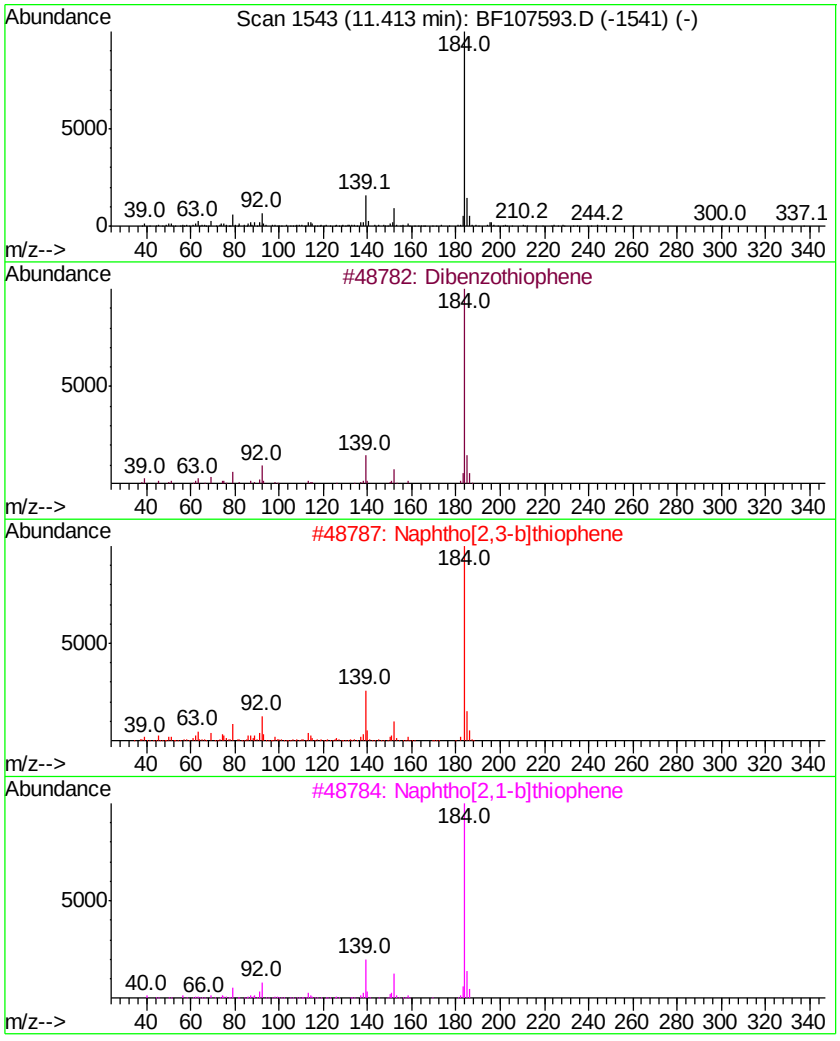
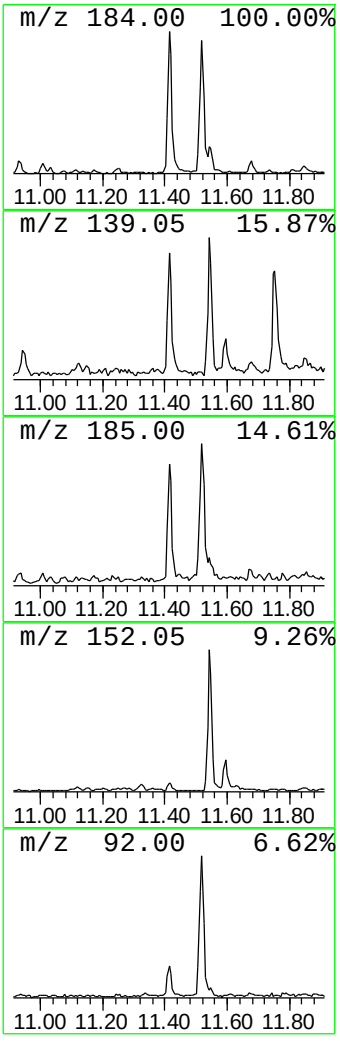
Peak Number 7 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	2.96 ng	263267	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Operator : JU/SJ
Sample : J4030-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB9-12-0

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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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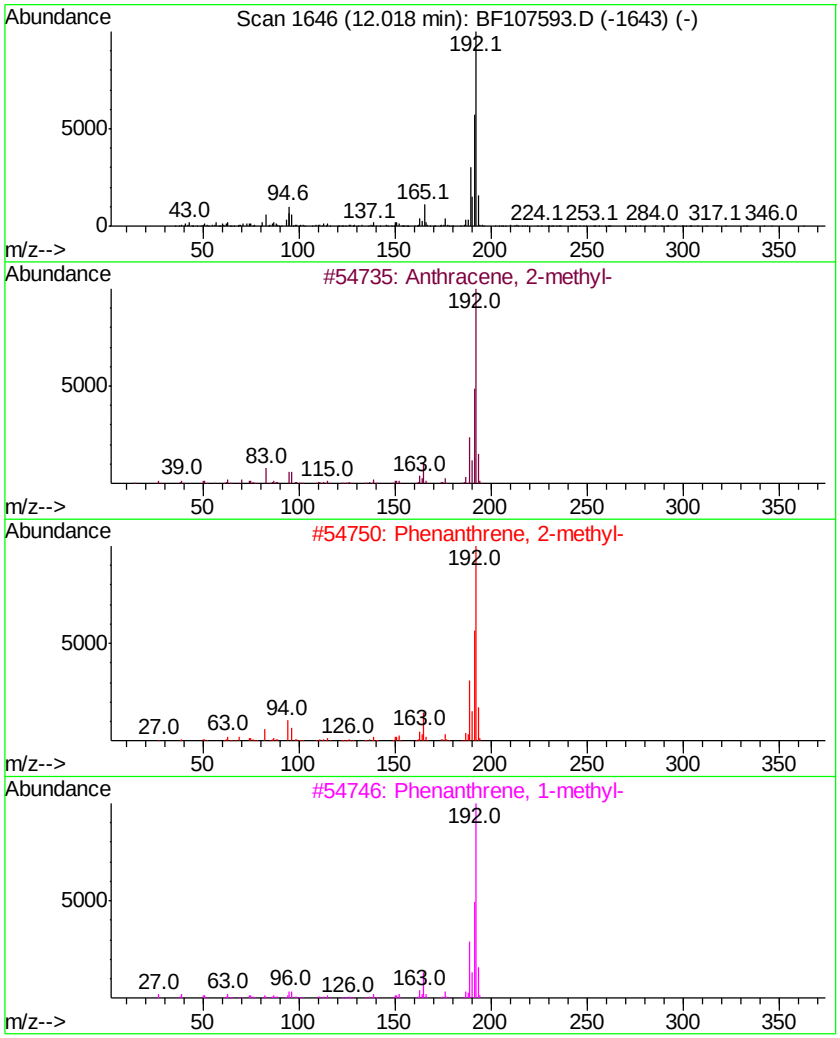
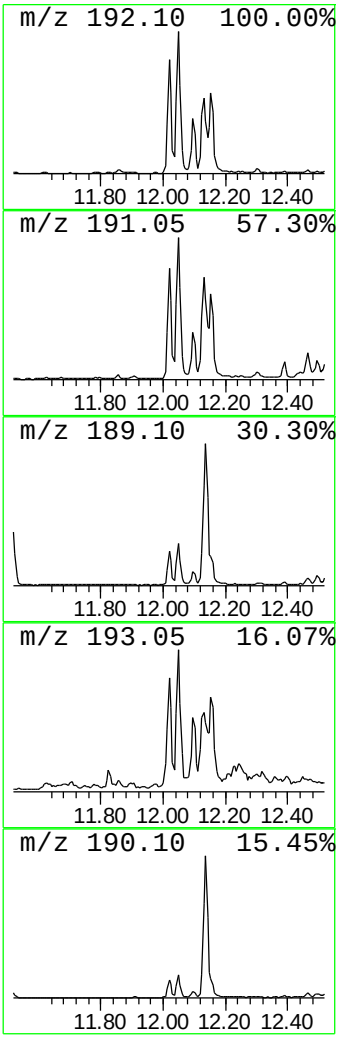
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	8.47 ng	753381	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Instrument : BNA_F
ClientSampleId : SB9-12-0

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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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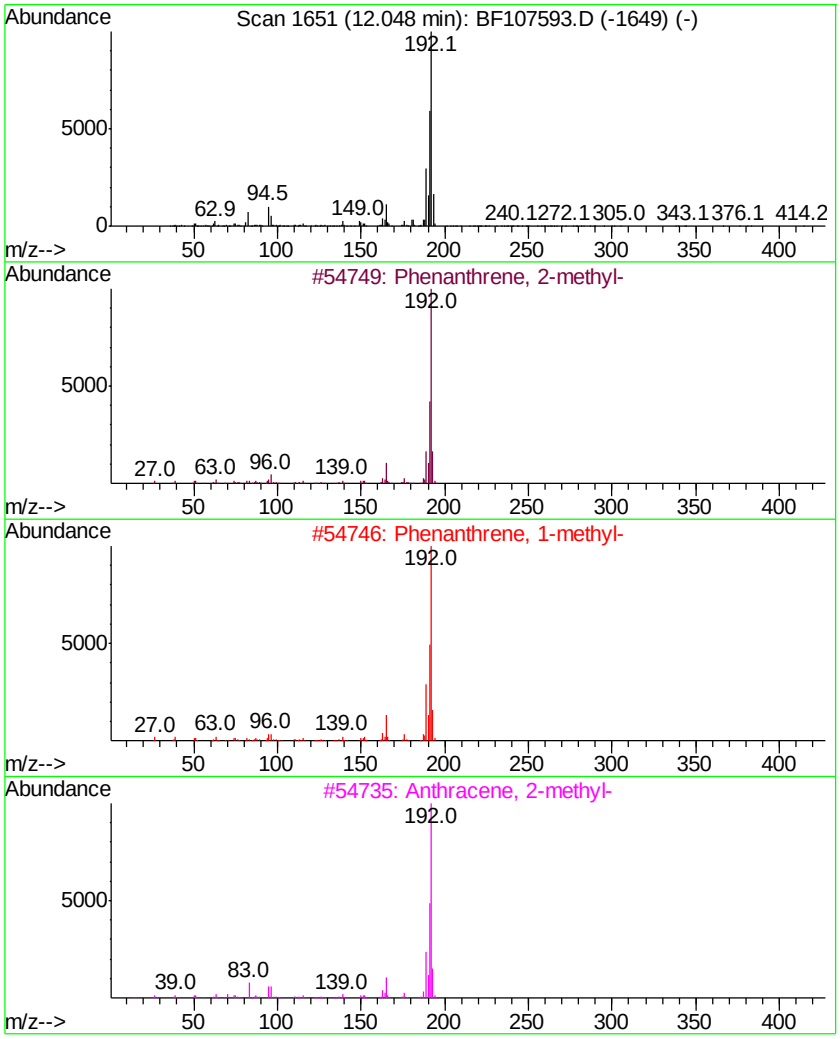
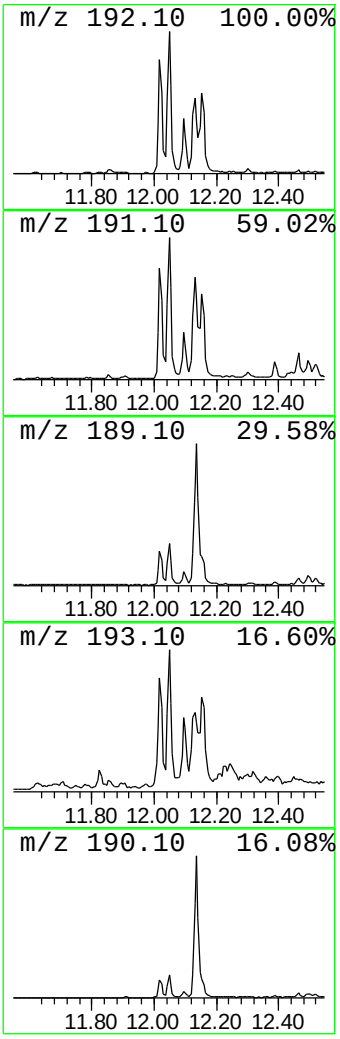
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	8.69 ng	773169	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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ALS Vial : 15 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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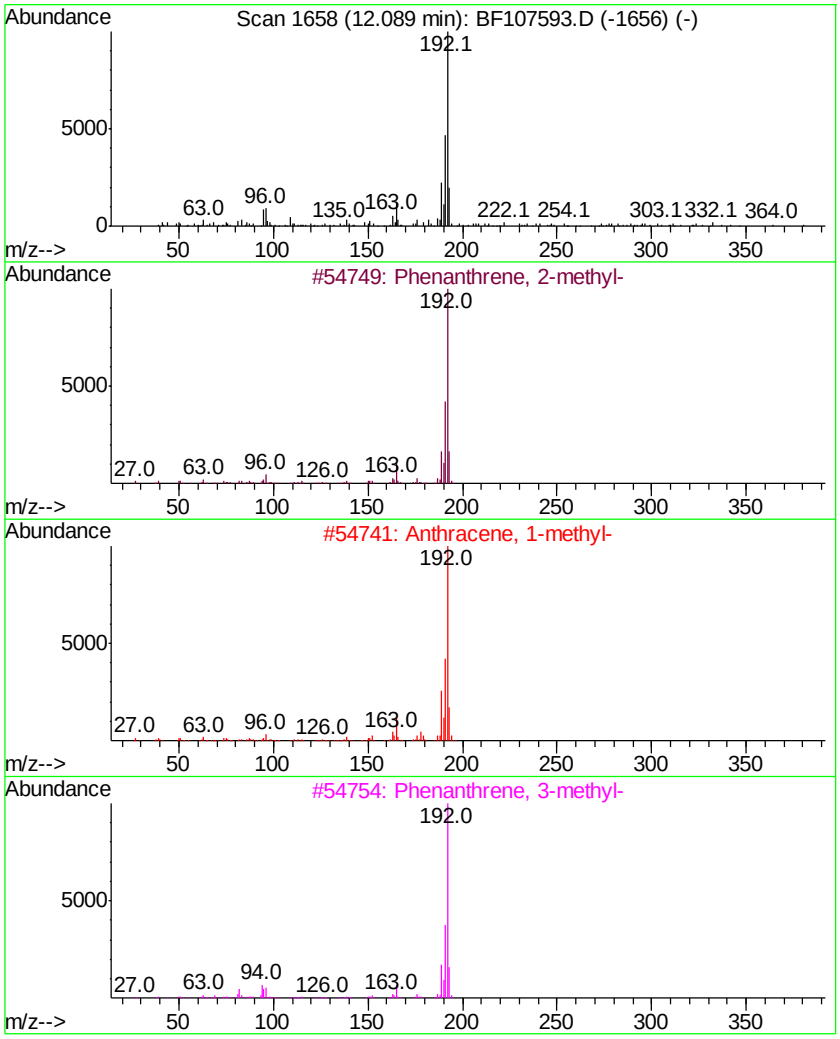
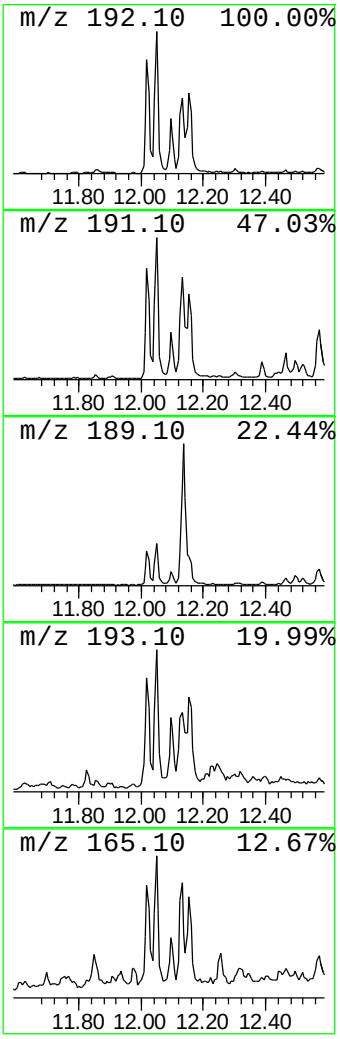
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	2.86 ng	254414	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Sample : J4030-14 2X
Misc :
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ClientSampleId : SB9-12-0

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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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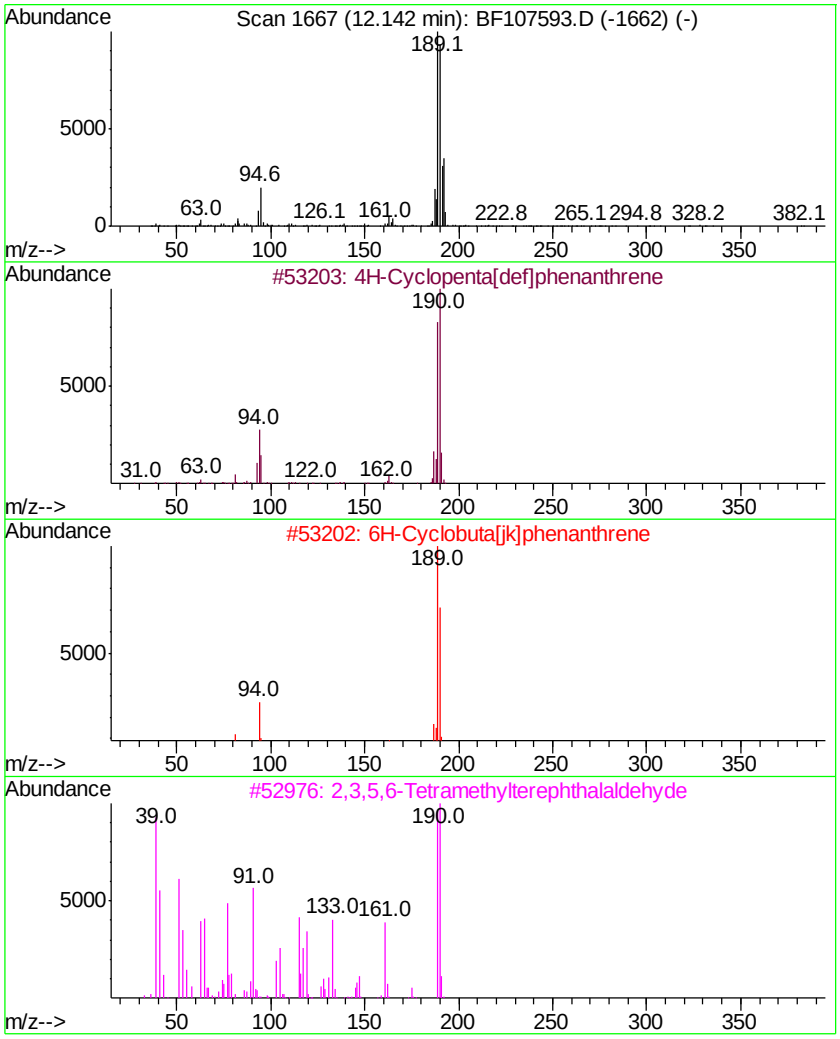
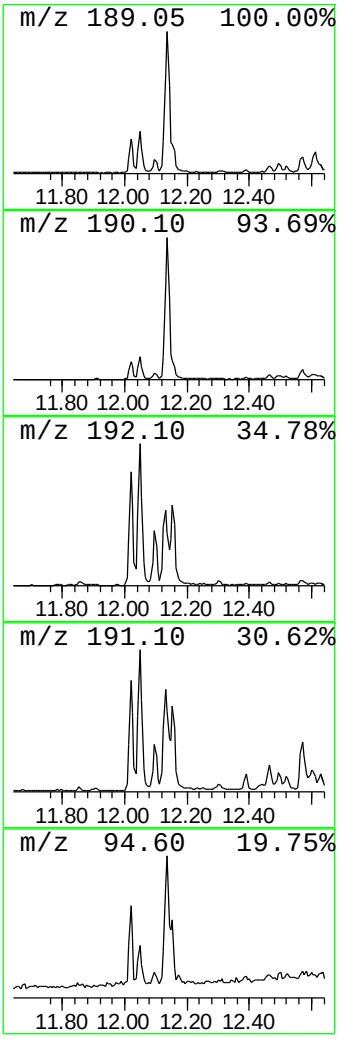
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	15.34 ng	1364390	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Sample : J4030-14 2X
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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB9-12-0

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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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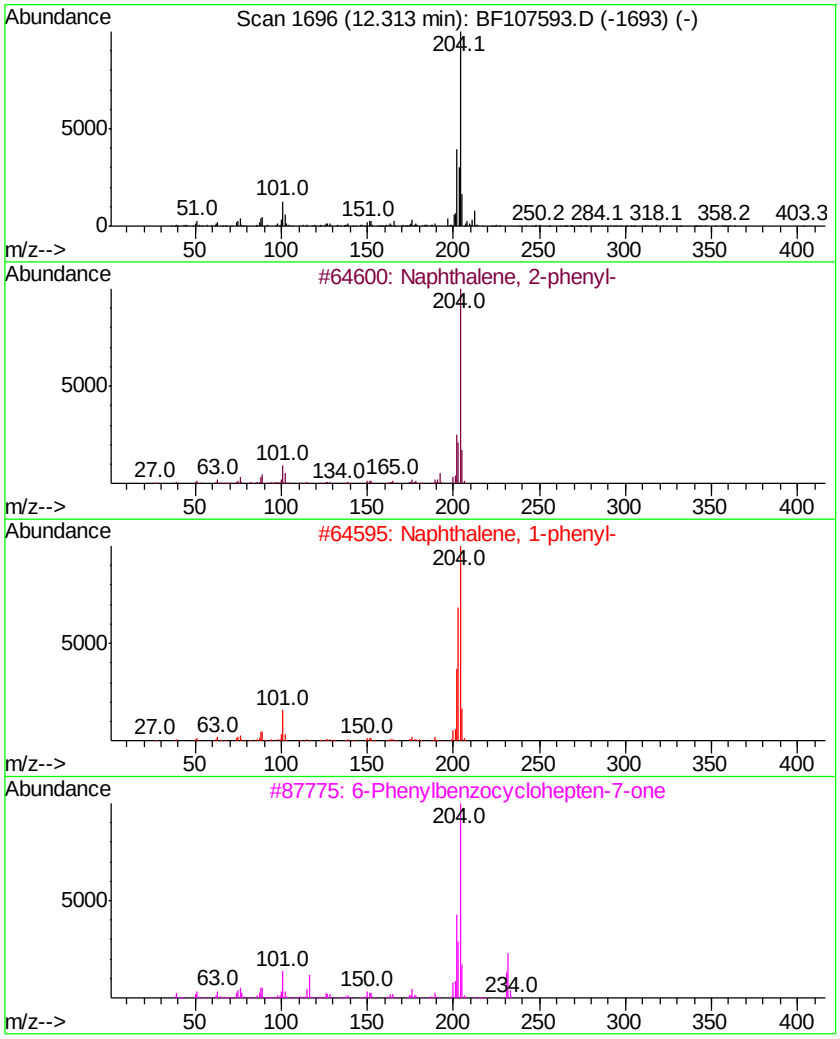
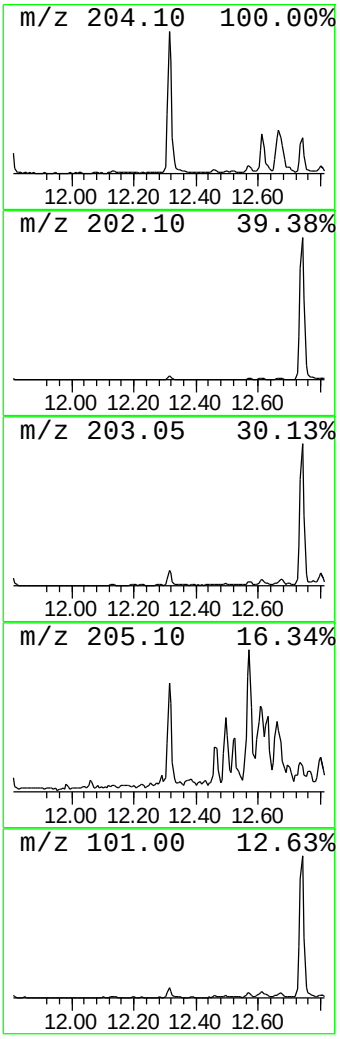
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	4.74 ng	421446	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	47





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB9-12-0

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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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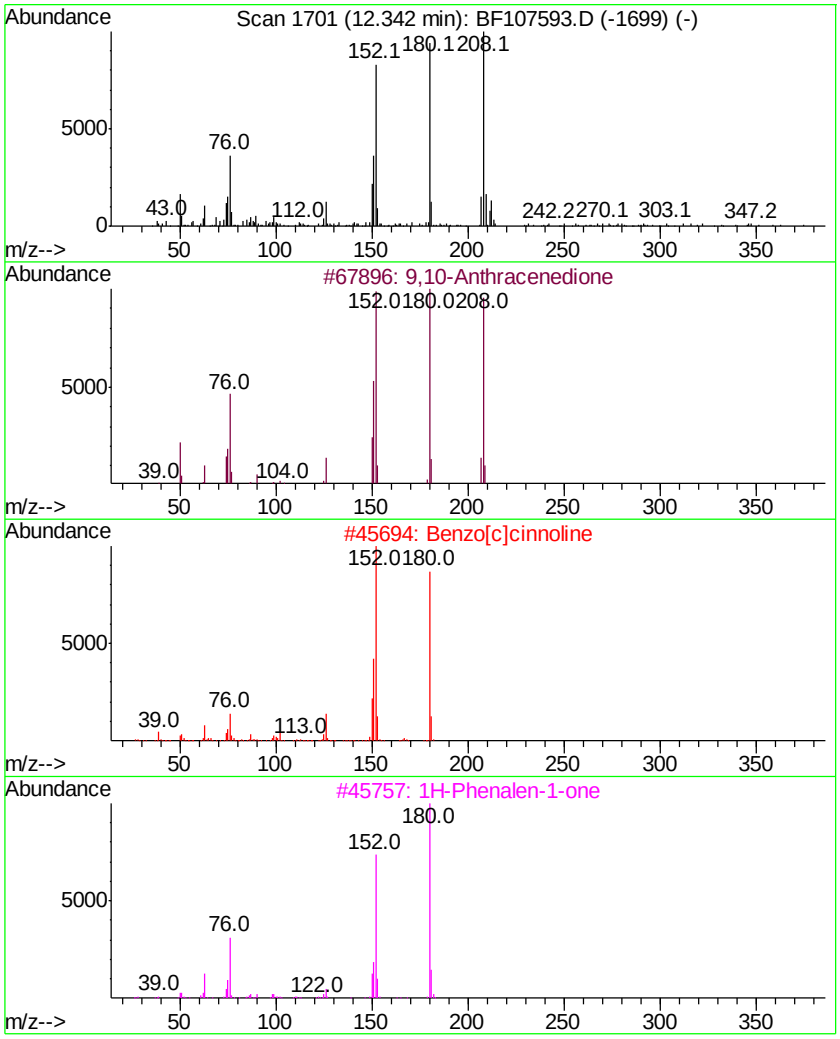
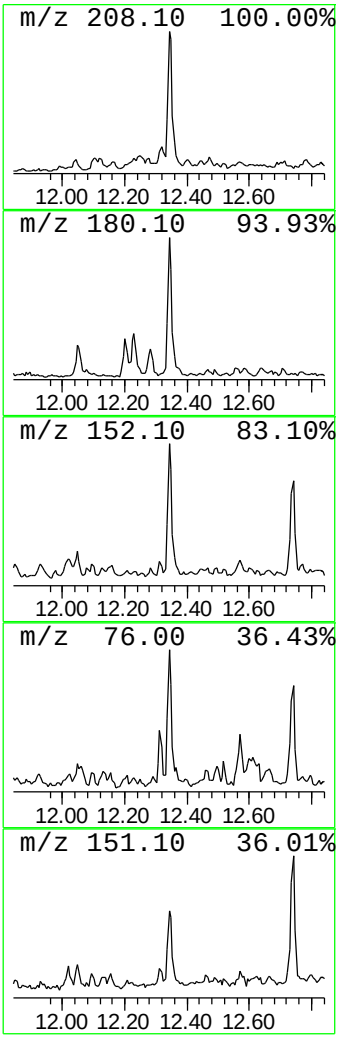
Peak Number 13 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	3.70 ng	328816	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB9-12-0

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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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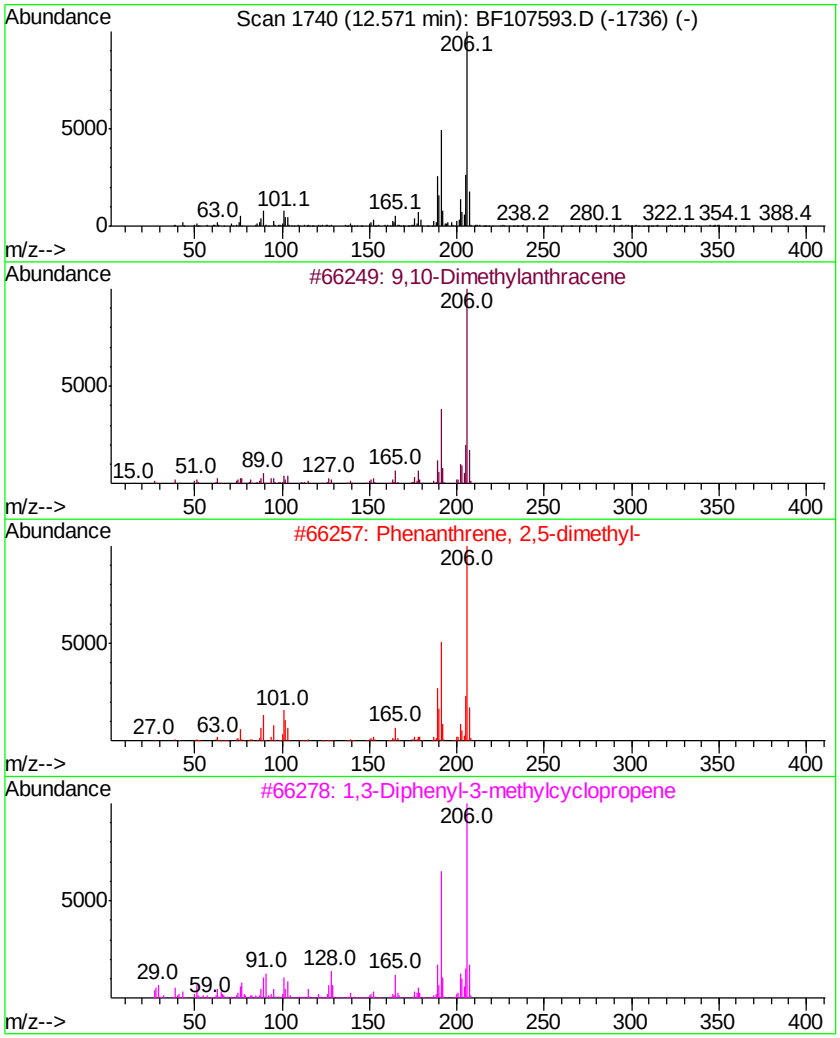
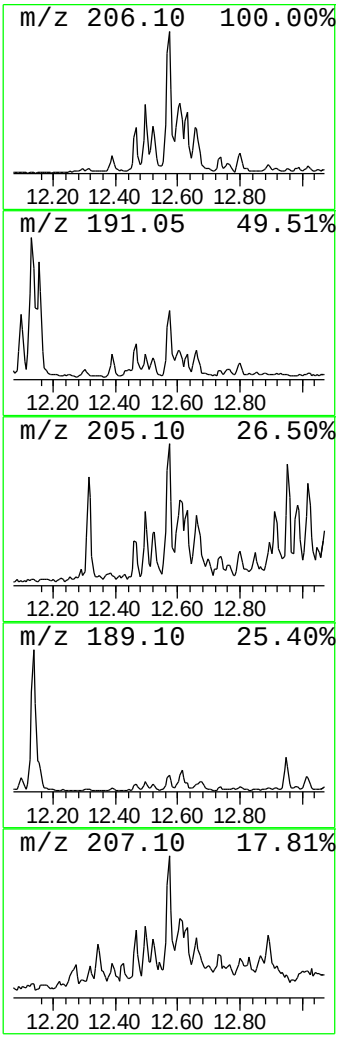
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	7.25 ng	644893	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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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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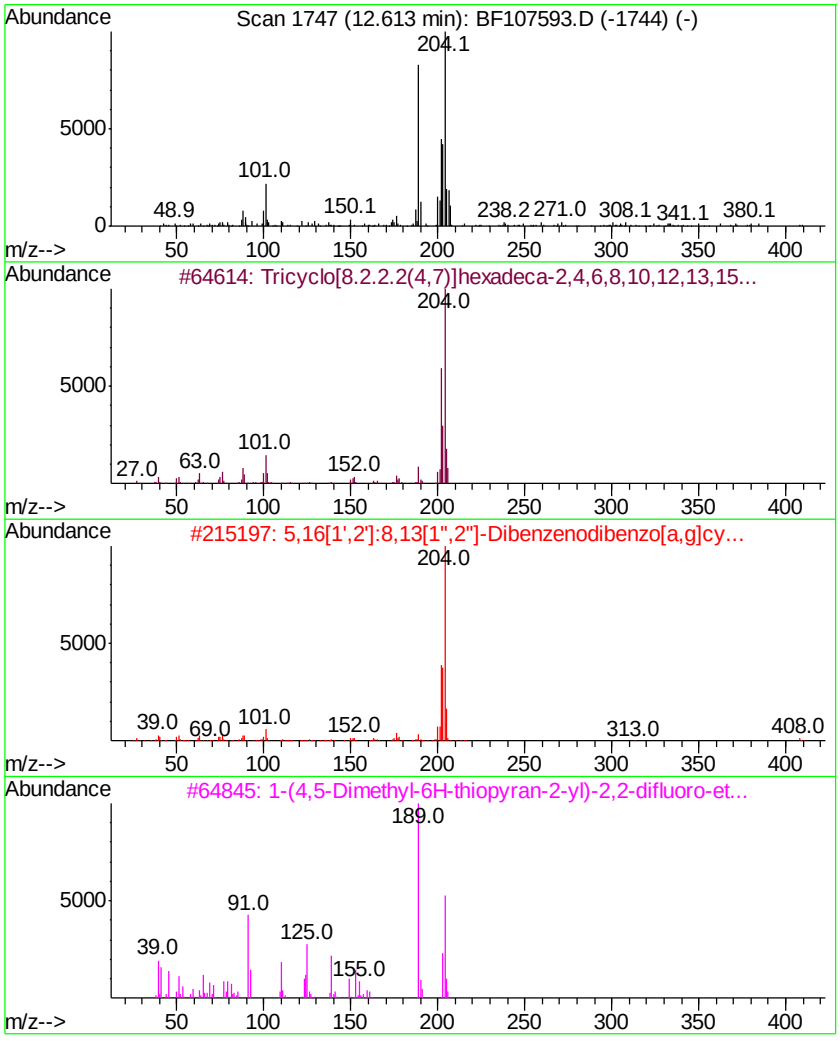
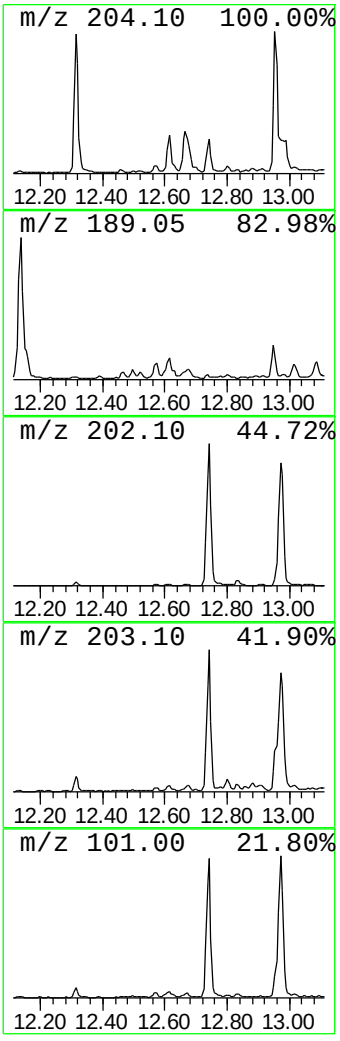
Peak Number 15 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	2.80 ng	248662	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	55
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
3	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	53
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50
5	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	49





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

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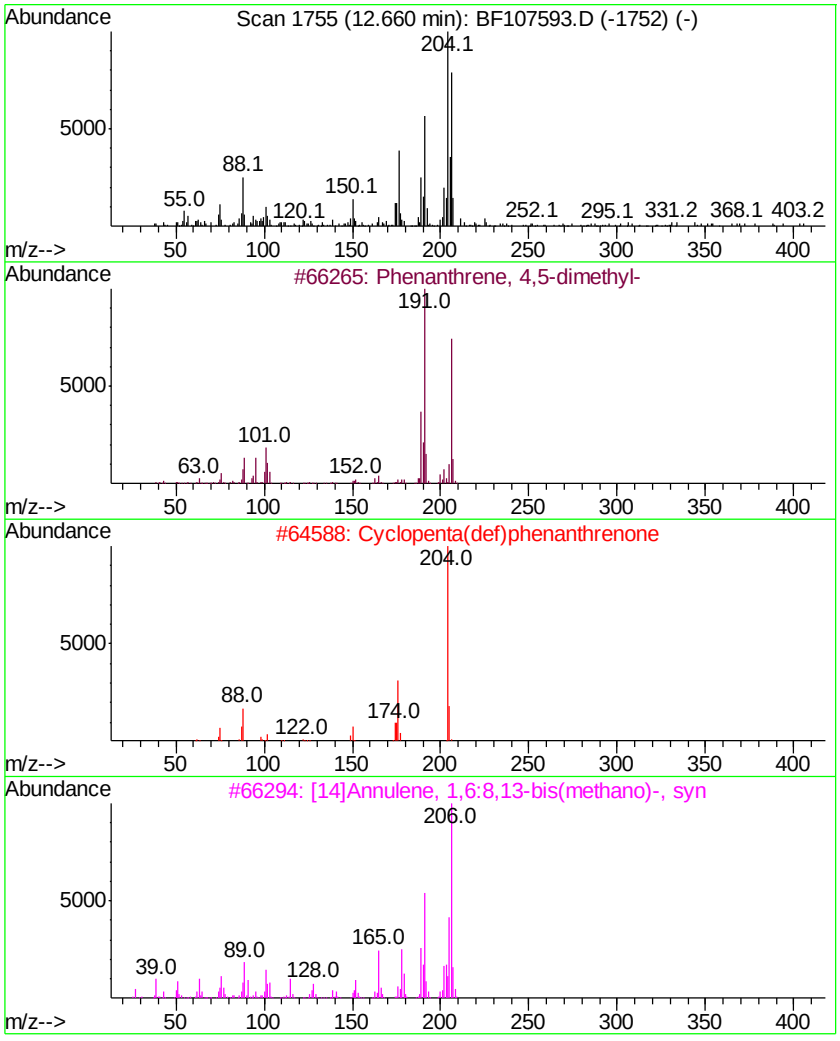
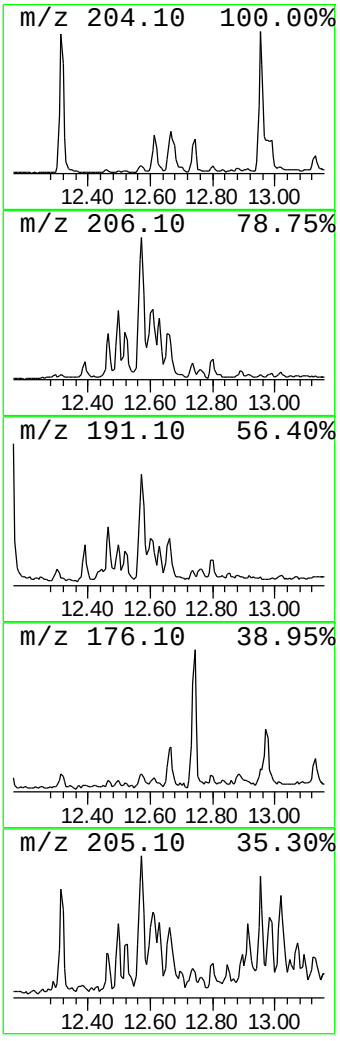
Peak Number 16 Phenanthrene, 4,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	4.29 ng	381515	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	52
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	50
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	46





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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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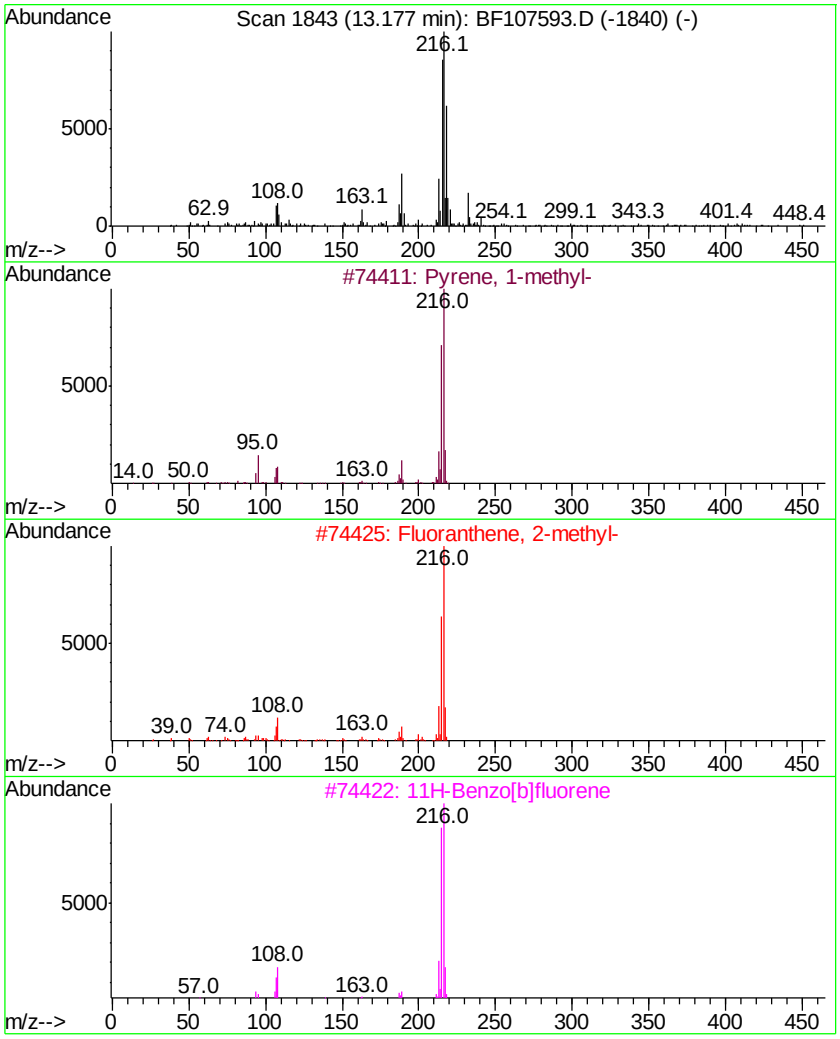
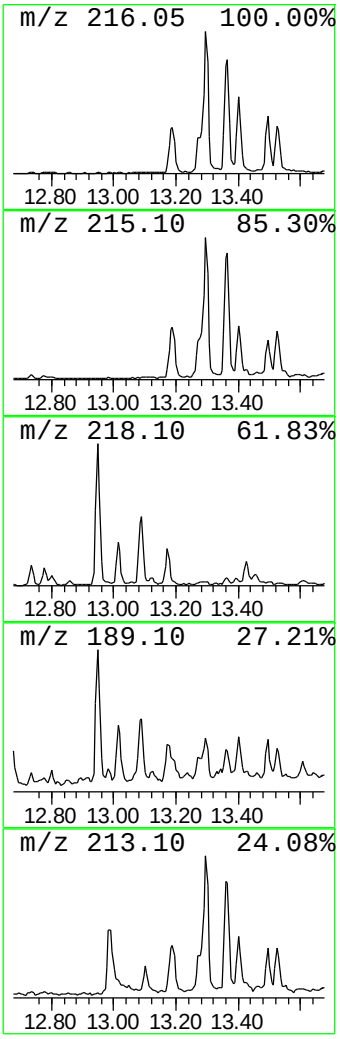
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	3.10 ng	576754	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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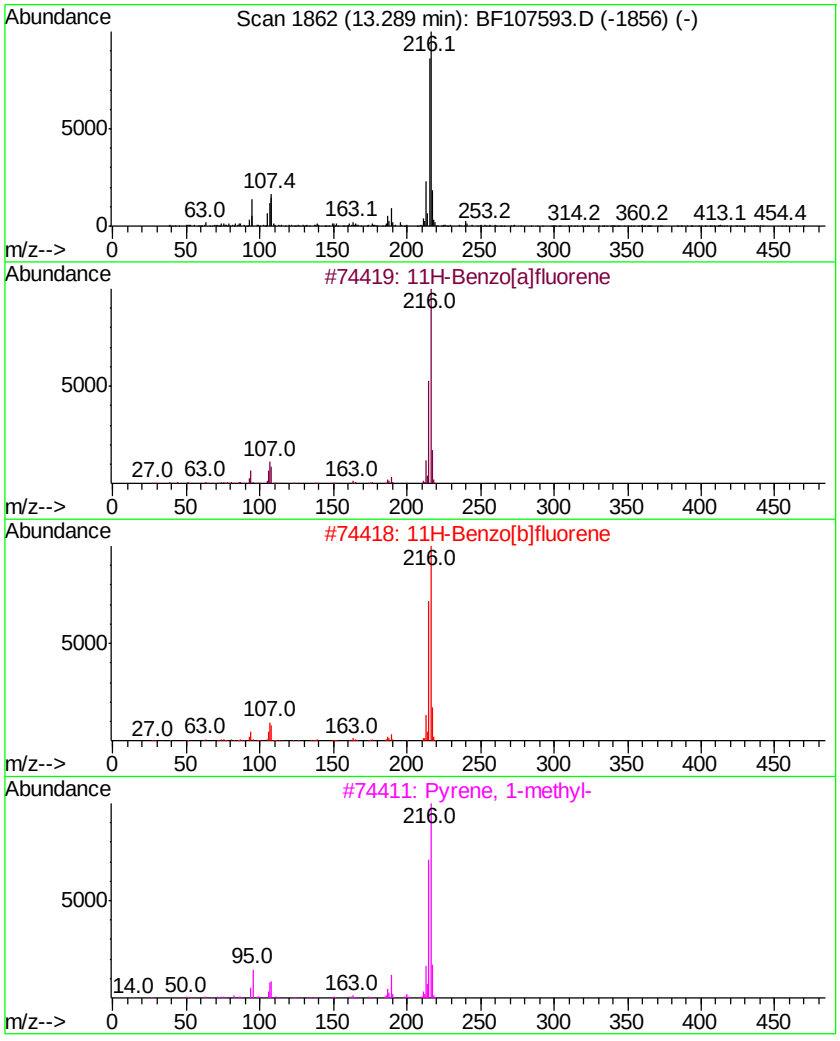
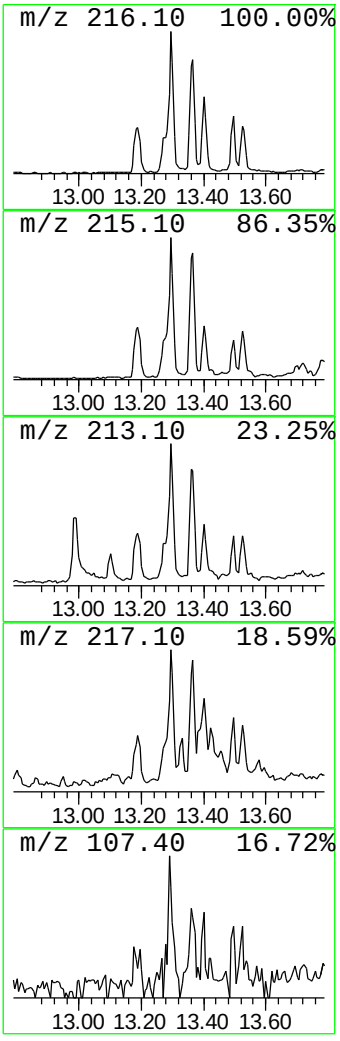
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	7.31 ng	1361850	Chrysene-d12	14.17

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	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Acq On : 23 Jul 2018 17:31
Operator : JU/SJ
Sample : J4030-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB9-12-0

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

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

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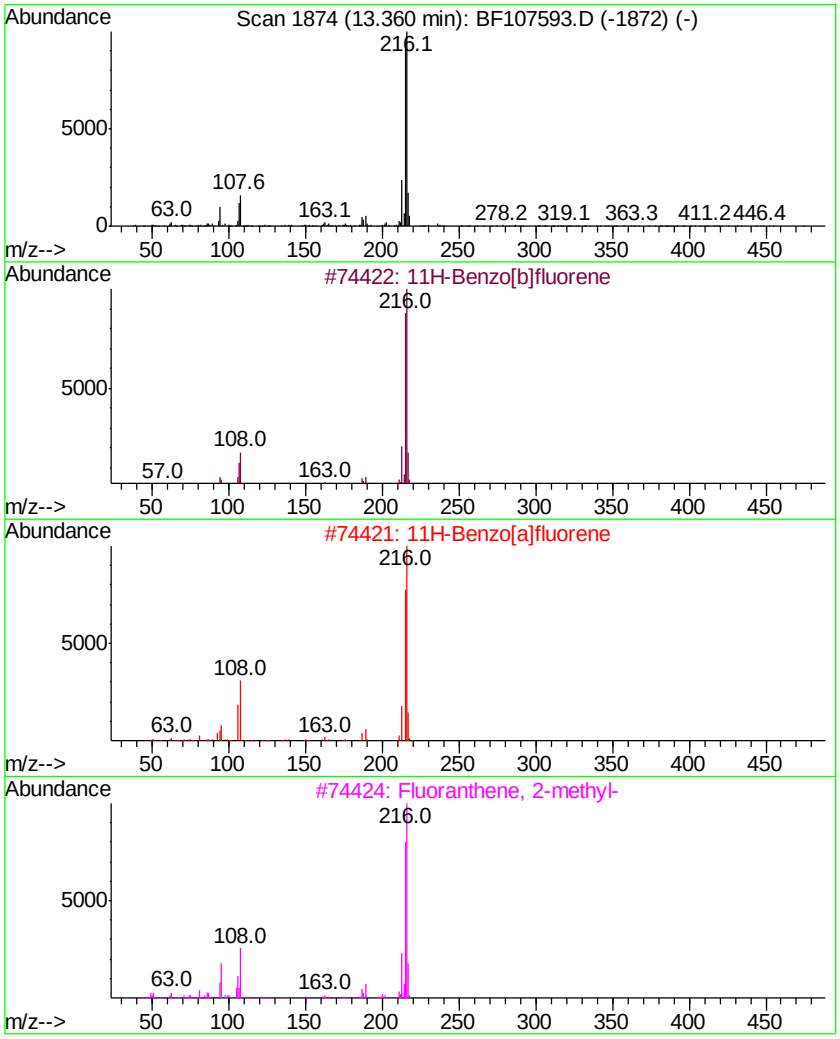
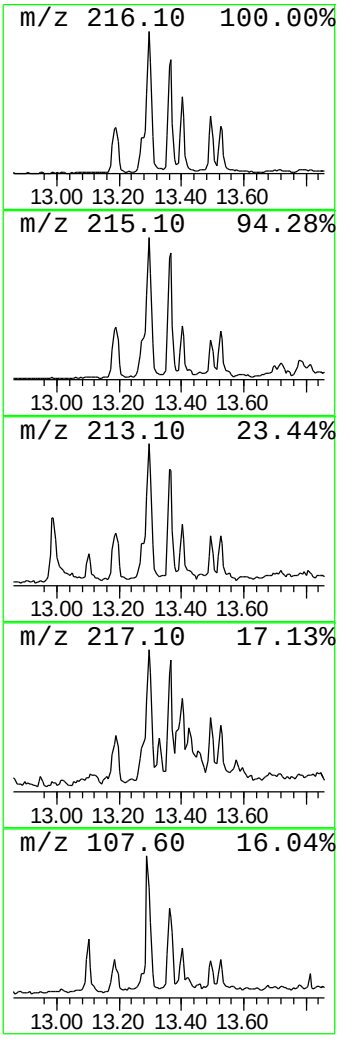
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	3.47 ng	646905	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107593.D
Acq On : 23 Jul 2018 17:31
Operator : JU/SJ
Sample : J4030-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB9-12-0

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

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

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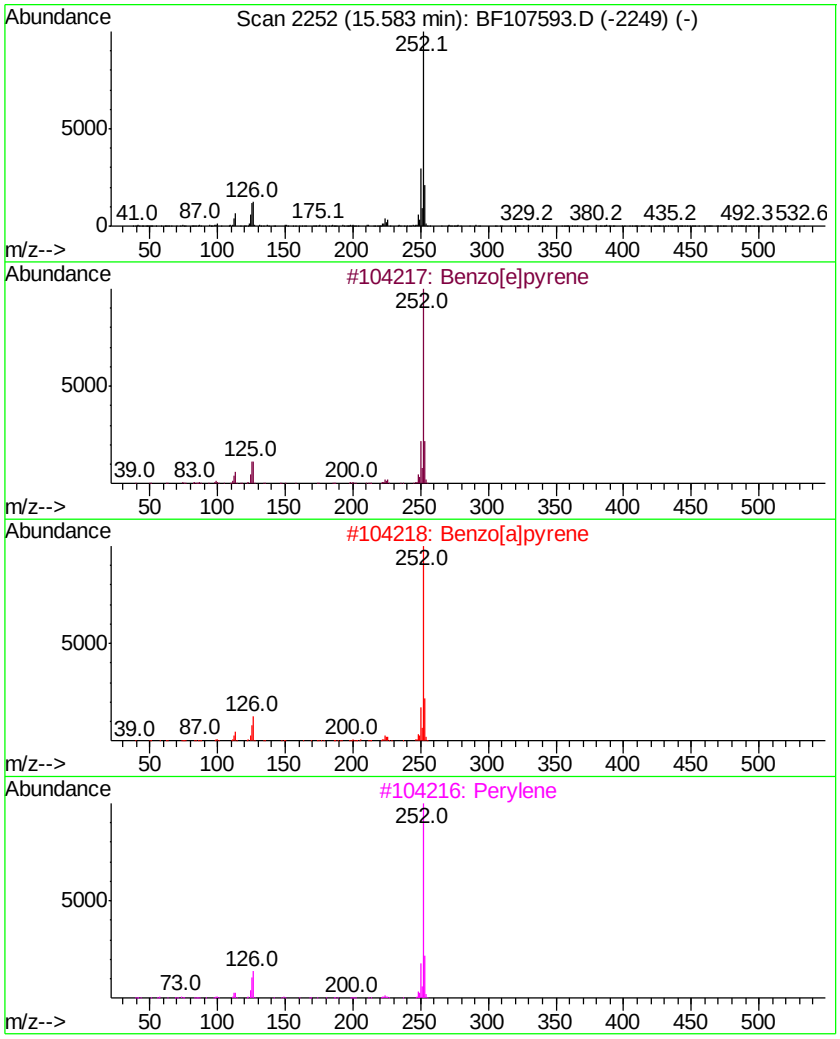
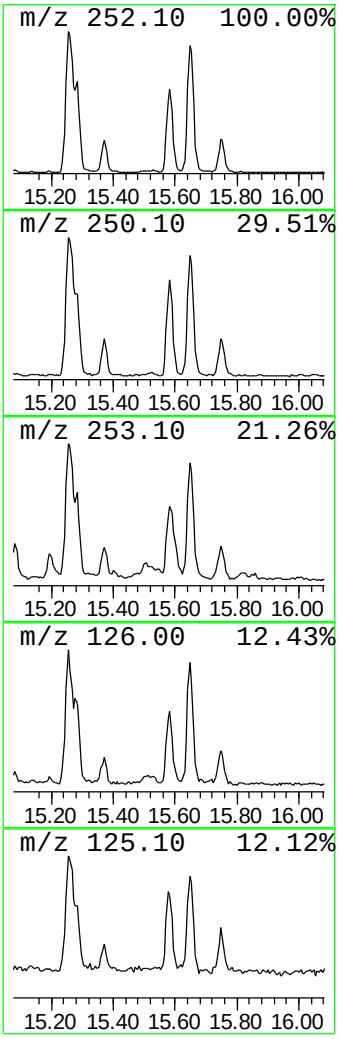
Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	14.83 ng	849247	Perylene-d12	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benzo[a]pyrene	252	C20H12	000050-32-8	91
3	Perylene	252	C20H12	000198-55-0	87
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072318\
Data File : BF107593.D
Acq On : 23 Jul 2018 17:31
Operator : JU/SJ
Sample : J4030-14 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB9-12-0

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.20	6.2	ng	468335	1	6.98	1519600	20.0
unknown6.75	6.75	30.5	ng	2314470	1	6.98	1519600	20.0
unknown10.43	10.43	2.8	ng	236812	3	10.02	1682540	20.0
Heptadecane	10.91	4.0	ng	359883	4	11.52	1779300	20.0
9H-Fluorene, 2-me...	11.12	3.3	ng	292141	4	11.52	1779300	20.0
Dibenzothiophene	11.41	3.0	ng	263267	4	11.52	1779300	20.0
Anthracene, 2-met...	12.02	8.5	ng	753381	4	11.52	1779300	20.0
Phenanthrene, 2-m...	12.05	8.7	ng	773169	4	11.52	1779300	20.0
Anthracene, 1-met...	12.09	2.9	ng	254414	4	11.52	1779300	20.0
4H-Cyclopenta[def...	12.14	15.3	ng	1364390	4	11.52	1779300	20.0
Naphthalene, 2-ph...	12.31	4.7	ng	421446	4	11.52	1779300	20.0
9,10-Anthracenedione	12.34	3.7	ng	328816	4	11.52	1779300	20.0
9,10-Dimethylanth...	12.57	7.3	ng	644893	4	11.52	1779300	20.0
Tricyclo[8.2.2.2(...	12.61	2.8	ng	248662	4	11.52	1779300	20.0
Phenanthrene, 4,5...	12.66	4.3	ng	381515	4	11.52	1779300	20.0
Pyrene, 1-methyl-	13.18	3.1	ng	576754	5	14.17	3724560	20.0
11H-Benzo[a]fluorene	13.29	7.3	ng	1361850	5	14.17	3724560	20.0
11H-Benzo[b]fluorene	13.36	3.5	ng	646905	5	14.17	3724560	20.0
Benzo[e]pyrene	15.58	14.8	ng	849247	6	15.72	1145270	20.0