LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107672.D
Acq On : 25 Jul 2018 22:05
Operator : JU/SJ
Sample : J4031-08 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-8

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.190	482	485	492	rBV	221106	244289	7.80%	0.570%
2	5.595	550	554	576	rBV	930020	1372918	43.82%	3.204%
3	6.595	721	724	745	rBV	927290	1516859	48.41%	3.540%
4	6.737	745	748	772	rVB	1385526	1675953	53.49%	3.912%
5	6.966	784	787	810	rBV	984284	1186684	37.87%	2.770%
6	7.119	810	813	829	rVV	1167480	1266438	40.42%	2.956%
7	7.531	879	883	907	rBV	618042	961893	30.70%	2.245%
8	8.248	1002	1005	1021	rBV	1292045	1499727	47.87%	3.500%
9	9.066	1137	1144	1151	rVB	31511	42024	1.34%	0.098%
10	9.319	1184	1187	1197	rBV	1594892	1683789	53.74%	3.930%
11	9.595	1228	1234	1238	rBV3	24388	39550	1.26%	0.092%
12	9.636	1238	1241	1243	rVV3	64378	50476	1.61%	0.118%
13	9.666	1243	1246	1248	rVV	45905	45321	1.45%	0.106%
14	9.713	1252	1254	1256	rVV	88633	80037	2.55%	0.187%
15	9.730	1256	1257	1261	rVB2	38263	32174	1.03%	0.075%
16	9.872	1277	1281	1285	rBV	103239	100504	3.21%	0.235%
17	10.013	1301	1305	1308	rBV	1256936	1289080	41.14%	3.009%
18	10.042	1308	1310	1319	rVB	199131	190013	6.06%	0.443%
19	10.213	1335	1339	1342	rBV2	43549	66129	2.11%	0.154%
20	10.248	1342	1345	1349	rVB2	35579	39546	1.26%	0.092%
21	10.319	1354	1357	1360	rBV	37919	43958	1.40%	0.103%
22	10.419	1369	1374	1379	rBV3	45873	64941	2.07%	0.152%
23	10.560	1394	1398	1404	rVB2	104139	117276	3.74%	0.274%
24	10.624	1404	1409	1411	rBV2	40419	60917	1.94%	0.142%
25	10.713	1422	1424	1429	rVB	42555	45637	1.46%	0.107%
26	10.801	1435	1439	1453	rBV2	786056	953859	30.44%	2.226%
27	10.895	1453	1455	1460	rBV4	35151	61259	1.96%	0.143%
28	11.013	1473	1475	1479	rVB4	38104	34025	1.09%	0.079%
29	11.107	1485	1491	1494	rBV4	58702	103652	3.31%	0.242%
30	11.230	1508	1512	1514	rBV3	52280	68016	2.17%	0.159%
31	11.254	1514	1516	1522	rVB2	50132	62856	2.01%	0.147%
32	11.313	1522	1526	1529	rBV2	51995	62916	2.01%	0.147%
33	11.348	1529	1532	1538	rBV4	67056	116418	3.72%	0.272%
34	11.401	1538	1541	1551	rVB	85360	118288	3.78%	0.276%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J4031-08 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-8

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

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

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

35	11.507	1555	1559	1561	rBV	1189857	1216033	38.81%	2.838%
36	11.530	1561	1563	1569	rVV	1525253	1310050	41.81%	3.058%
37	11.583	1569	1572	1576	rVV	319658	307177	9.80%	0.717%
38	11.742	1593	1599	1602	rBV2	118303	187358	5.98%	0.437%
39	11.795	1606	1608	1610	rVV	61056	51088	1.63%	0.119%
40	11.836	1613	1615	1619	rVB3	47491	52594	1.68%	0.123%
41	12.007	1641	1644	1646	rBV	344639	313376	10.00%	0.731%
42	12.036	1646	1649	1653	rVV	315363	335077	10.69%	0.782%
43	12.083	1654	1657	1660	rVV	126435	129534	4.13%	0.302%
44	12.119	1660	1663	1666	rVV2	362536	456957	14.58%	1.067%
45	12.142	1666	1667	1671	rVB	187664	122916	3.92%	0.287%
46	12.301	1691	1694	1697	rBV	155772	141904	4.53%	0.331%
47	12.330	1697	1699	1704	rVB	119844	123230	3.93%	0.288%
48	12.448	1717	1719	1722	rBV	59490	53134	1.70%	0.124%
49	12.483	1722	1725	1726	rBV	49863	38771	1.24%	0.090%
50	12.507	1727	1729	1731	rVB	62889	48197	1.54%	0.112%
51	12.554	1734	1737	1740	rBV	169752	195470	6.24%	0.456%
52	12.595	1741	1744	1746	rVV2	251439	247390	7.90%	0.577%
53	12.648	1750	1753	1757	rVB2	144952	154620	4.93%	0.361%
54	12.724	1762	1766	1771	rBV	2674647	2843010	90.74%	6.635%
55	12.783	1774	1776	1779	rBV	48959	46439	1.48%	0.108%
56	12.877	1790	1792	1794	rBV	69501	48529	1.55%	0.113%
57	12.960	1799	1806	1811	rBV	2480870	3133195	100.00%	7.313%
58	13.001	1811	1813	1818	rVB2	172473	170175	5.43%	0.397%
59	13.089	1822	1828	1831	rBV2	1361694	1461547	46.65%	3.411%
60	13.171	1837	1842	1846	rBV2	207060	337155	10.76%	0.787%
61	13.283	1853	1861	1864	rBV	405591	712615	22.74%	1.663%
62	13.348	1869	1872	1875	rBV2	235328	229019	7.31%	0.535%
63	13.389	1875	1879	1880	rBV2	243327	291613	9.31%	0.681%
64	13.477	1892	1894	1897	rBV	160665	142152	4.54%	0.332%
65	13.513	1897	1900	1903	rVV2	320997	342105	10.92%	0.798%
66	13.548	1904	1906	1912	rVB5	124930	138302	4.41%	0.323%
67	13.765	1940	1943	1945	rBV2	91011	106691	3.41%	0.249%
68	13.795	1945	1948	1951	rVB	250022	258913	8.26%	0.604%
69	13.907	1962	1967	1969	rBV2	285436	383713	12.25%	0.896%
70	13.930	1969	1971	1973	rVV	291677	260120	8.30%	0.607%
71	13.971	1973	1978	1981	rVV2	310067	535601	17.09%	1.250%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J4031-08 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-8

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

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

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

72	14.001	1981	1983	1987	rVB	231995	245432	7.83%	0.573%
73	14.154	2004	2009	2012	rBV2	1783509	2759187	88.06%	6.440%
74	14.183	2012	2014	2021	rVB	1397823	1444384	46.10%	3.371%
75	14.265	2025	2028	2033	rBV	220166	258146	8.24%	0.603%
76	14.542	2073	2075	2078	rVB	223367	187175	5.97%	0.437%
77	14.671	2095	2097	2099	rBV	118415	93263	2.98%	0.218%
78	15.242	2189	2194	2197	rBV	964363	1686056	53.81%	3.935%
79	15.354	2210	2213	2218	rVB	183232	212503	6.78%	0.496%
80	15.559	2245	2248	2254	rVB	536370	765854	24.44%	1.787%
81	15.630	2256	2260	2265	rBV	740486	1019203	32.53%	2.379%
82	15.701	2268	2272	2275	rBV	500370	665260	21.23%	1.553%
83	17.277	2535	2540	2551	rVB	330428	751939	24.00%	1.755%
84	17.759	2617	2622	2632	rVB	226595	533944	17.04%	1.246%

Sum of corrected areas: 42845538

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107672.D
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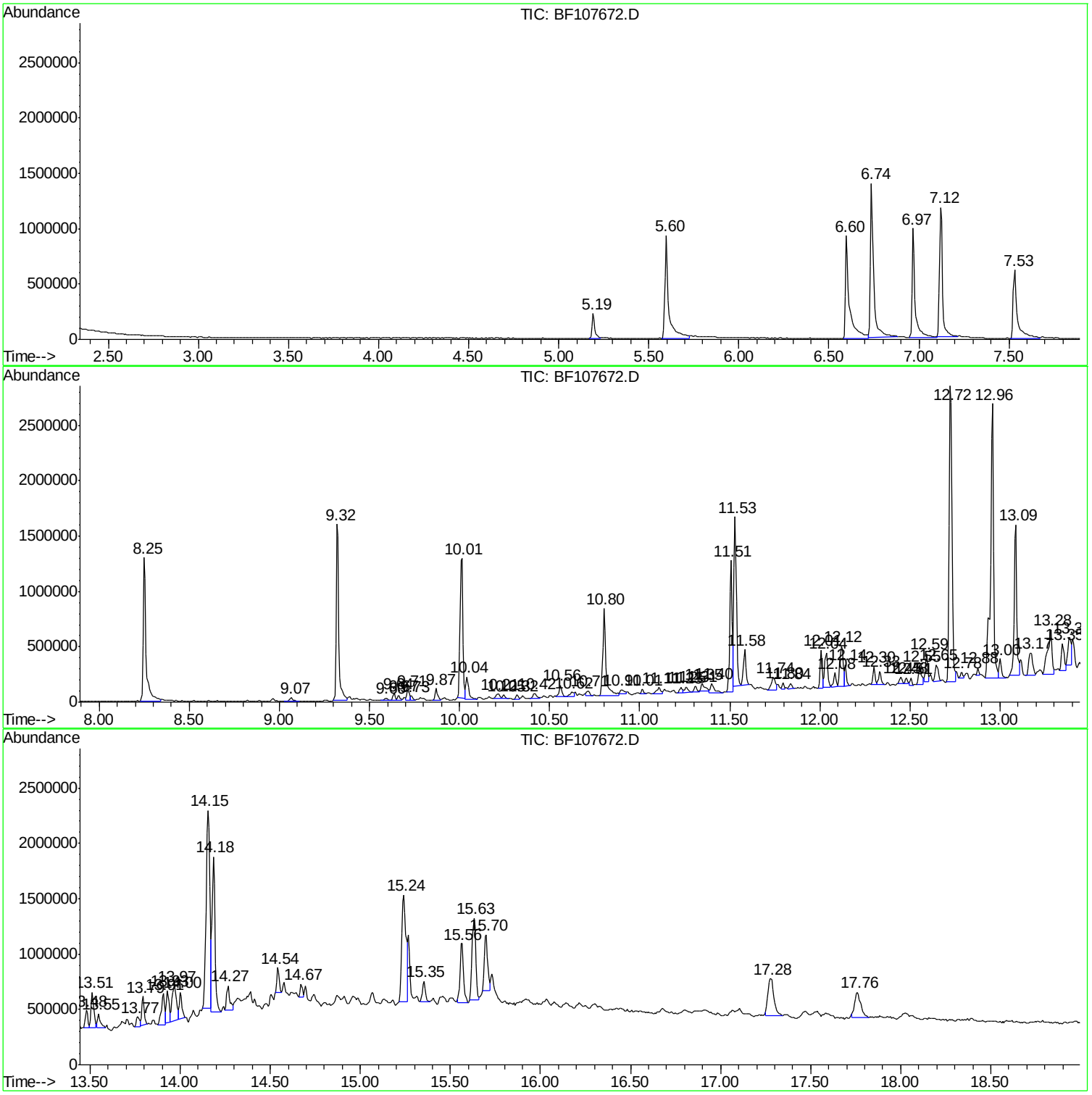
Operator : JU/SJ
Sample : J4031-08 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-8

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107672.D
Acq On : 25 Jul 2018 22:05
Operator : JU/SJ
Sample : J4031-08 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-8

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

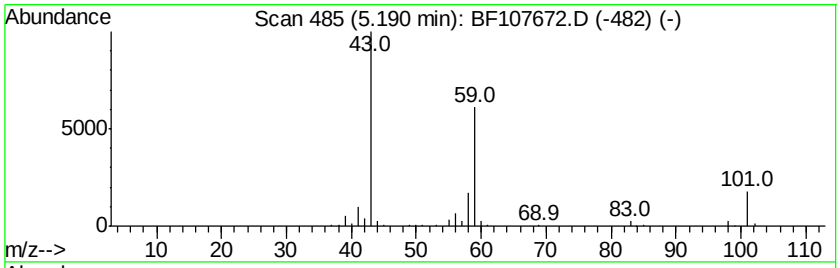
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

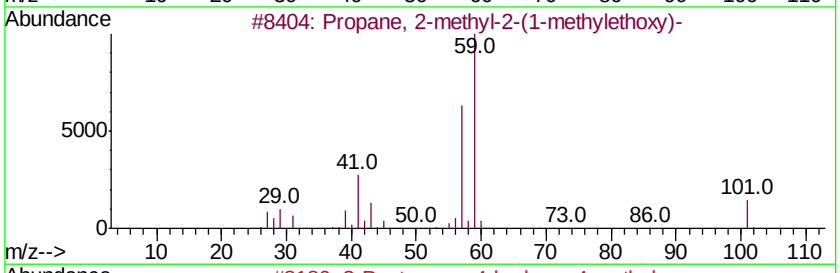
****

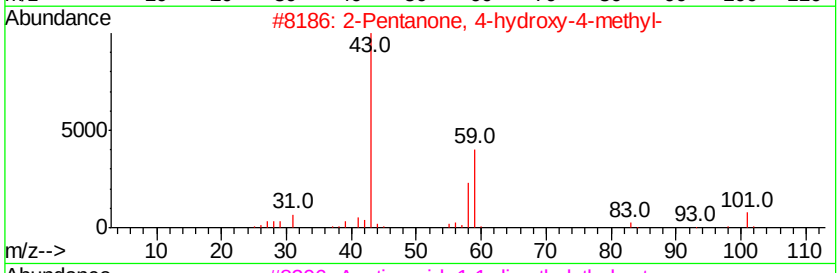
Peak Number 1 Propane, 2-methyl-2-(1-meth... Concentration Rank 9

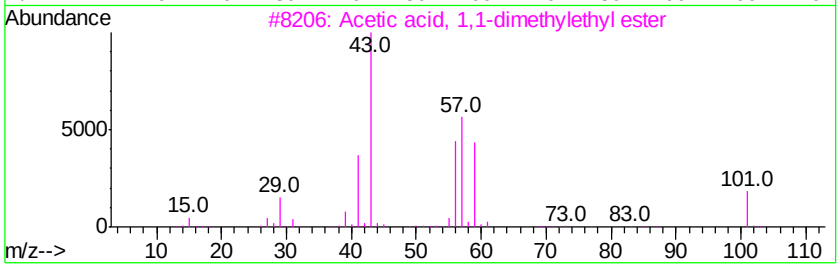
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	4.12 ng	244289	1,4-Dichlorobenzene-d4	6.97

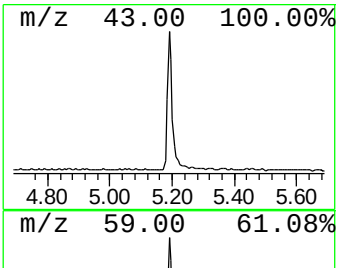
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
4	3-Octanol	130	C8H18O	000589-98-0	33
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33

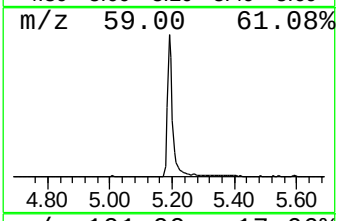


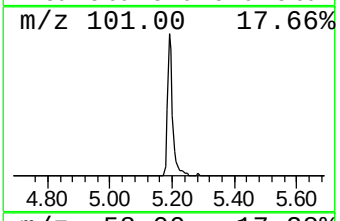


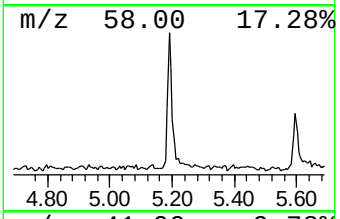


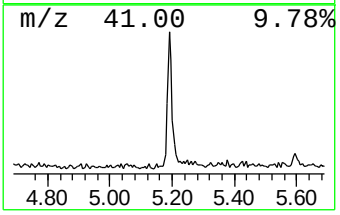












Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : PLANTER-DOC-8

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

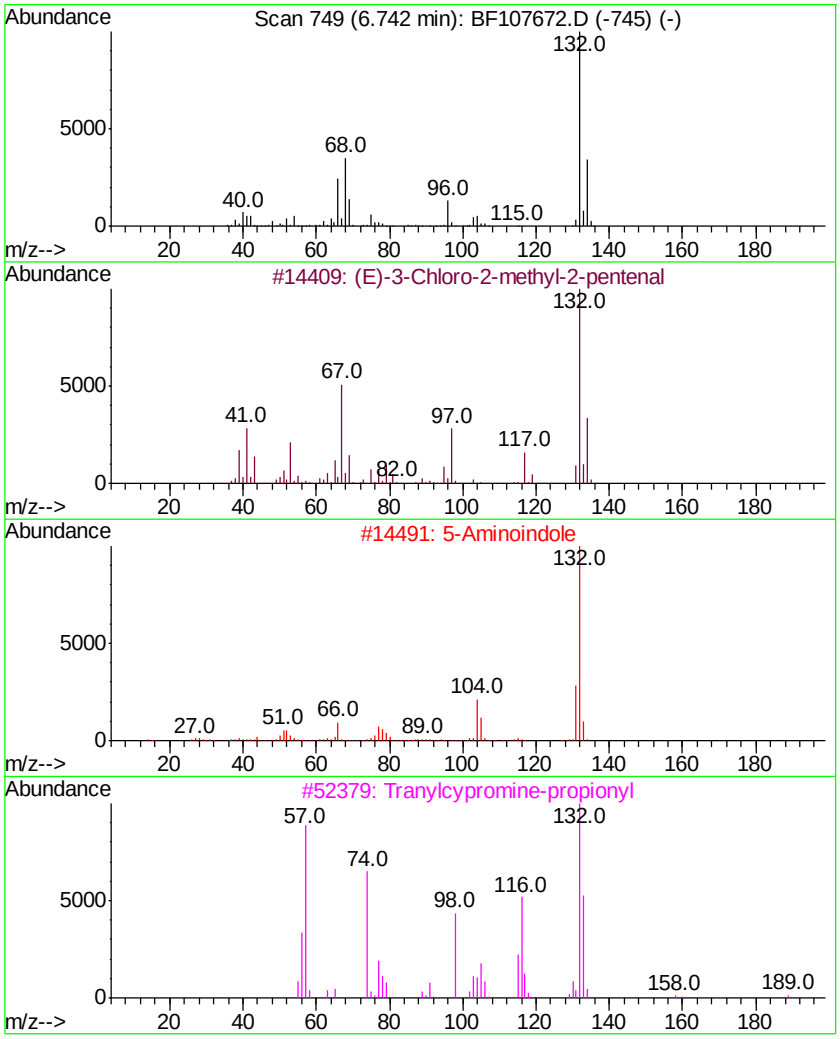
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

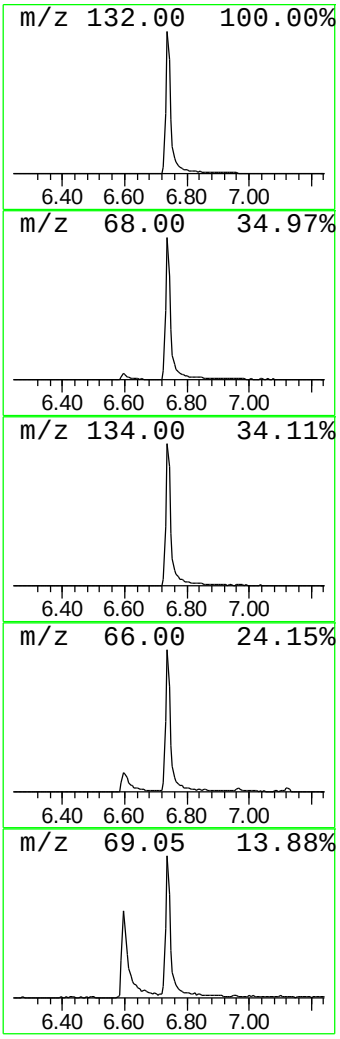
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	28.25 ng	1675950	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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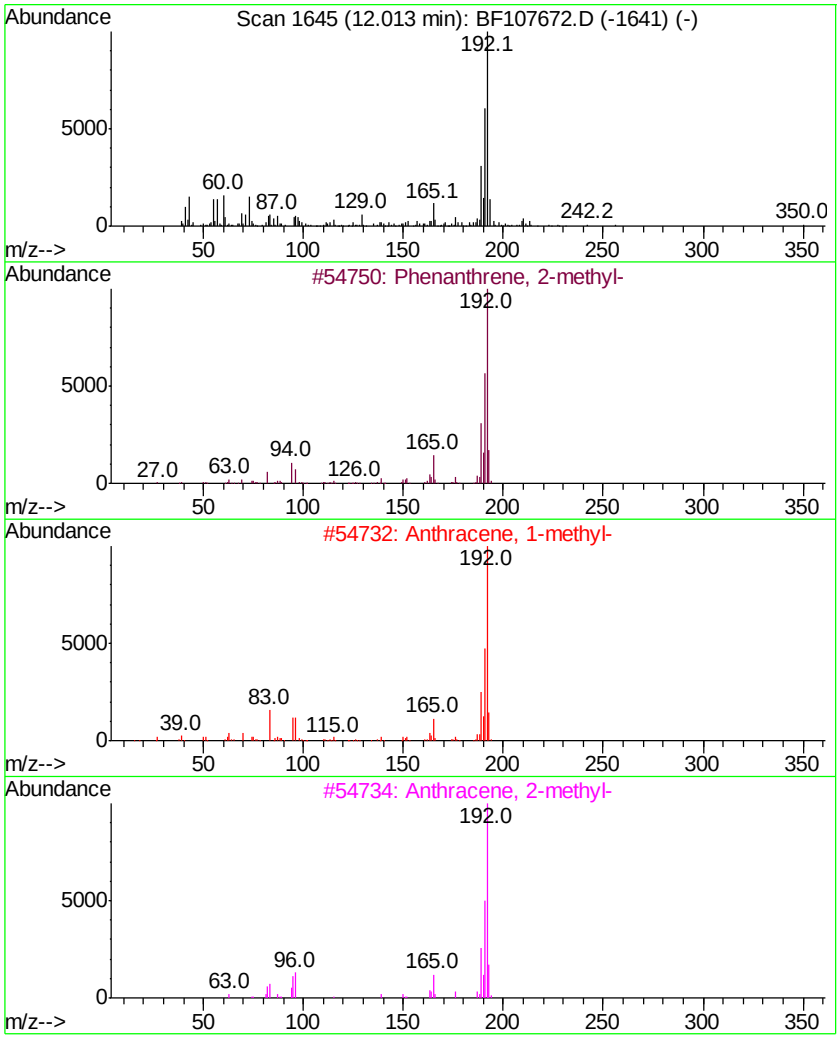
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

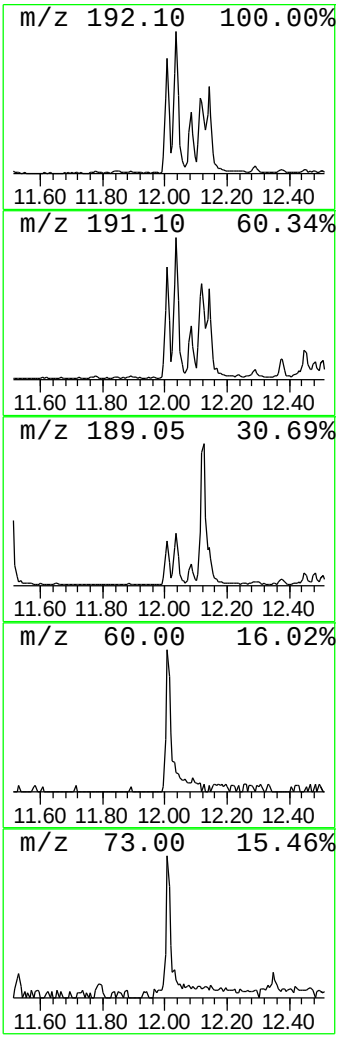
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	5.15 ng	313376	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89





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Sample : J4031-08 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-8

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

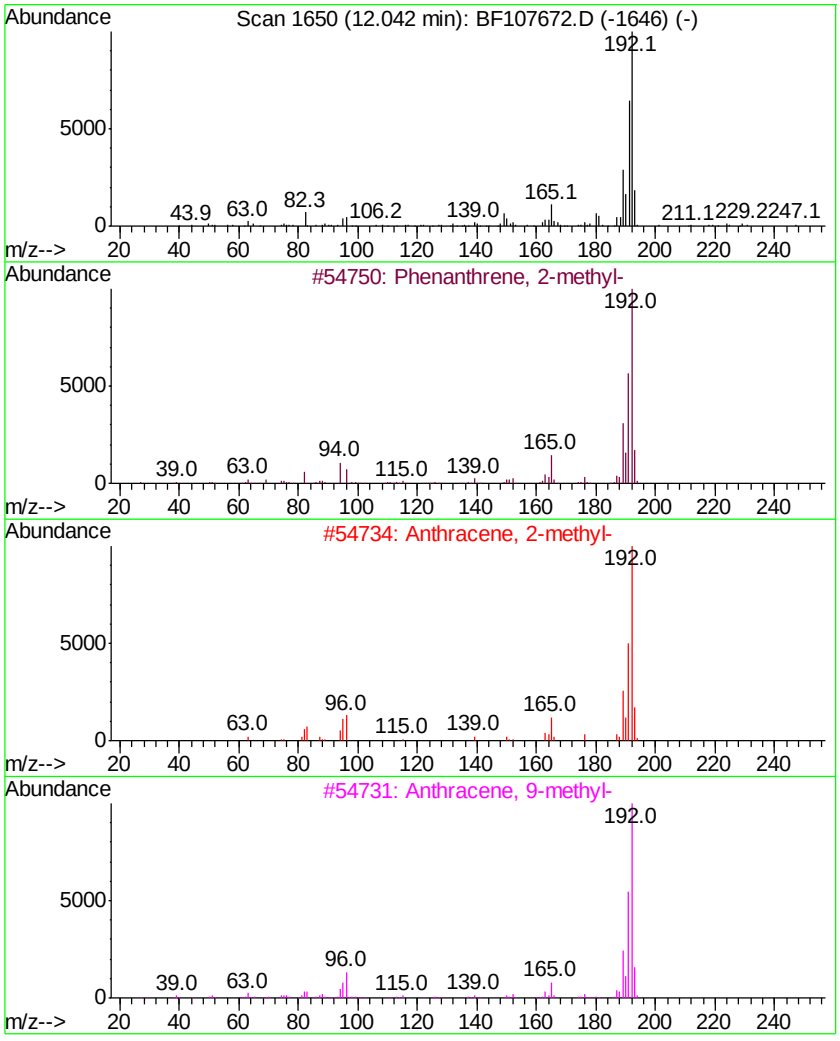
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

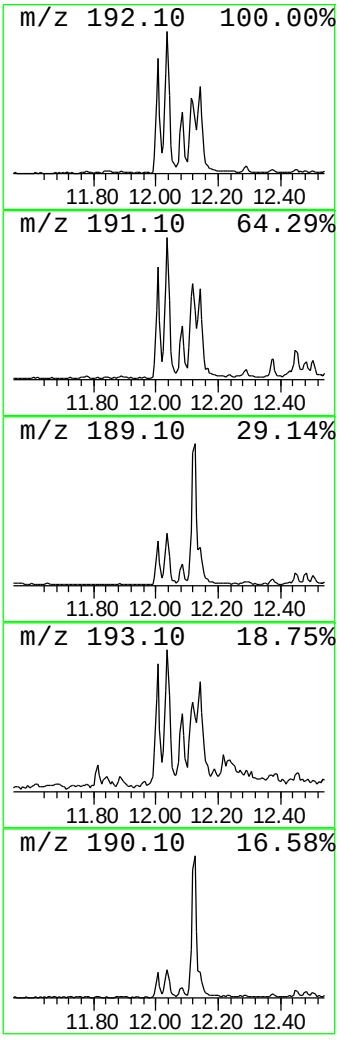
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	5.51 ng	335077	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	89





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Misc :
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Instrument : BNA_F
ClientSampleId : PLANTER-DOC-8

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

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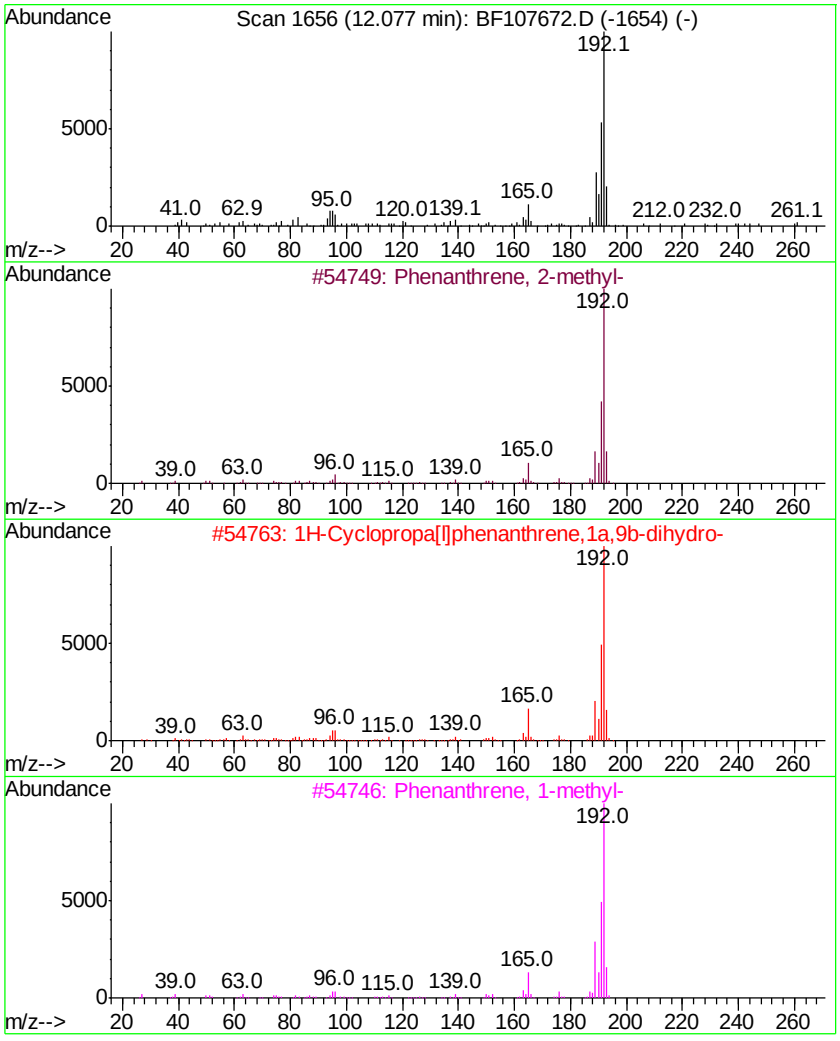
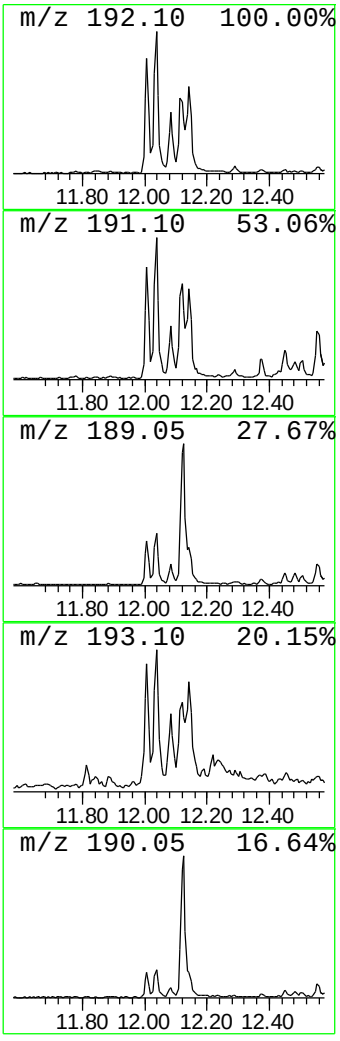
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	2.13 ng	129534	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Acq On : 25 Jul 2018 22:05
Operator : JU/SJ
Sample : J4031-08 2X
Misc :
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ClientSampleId : PLANTER-DOC-8

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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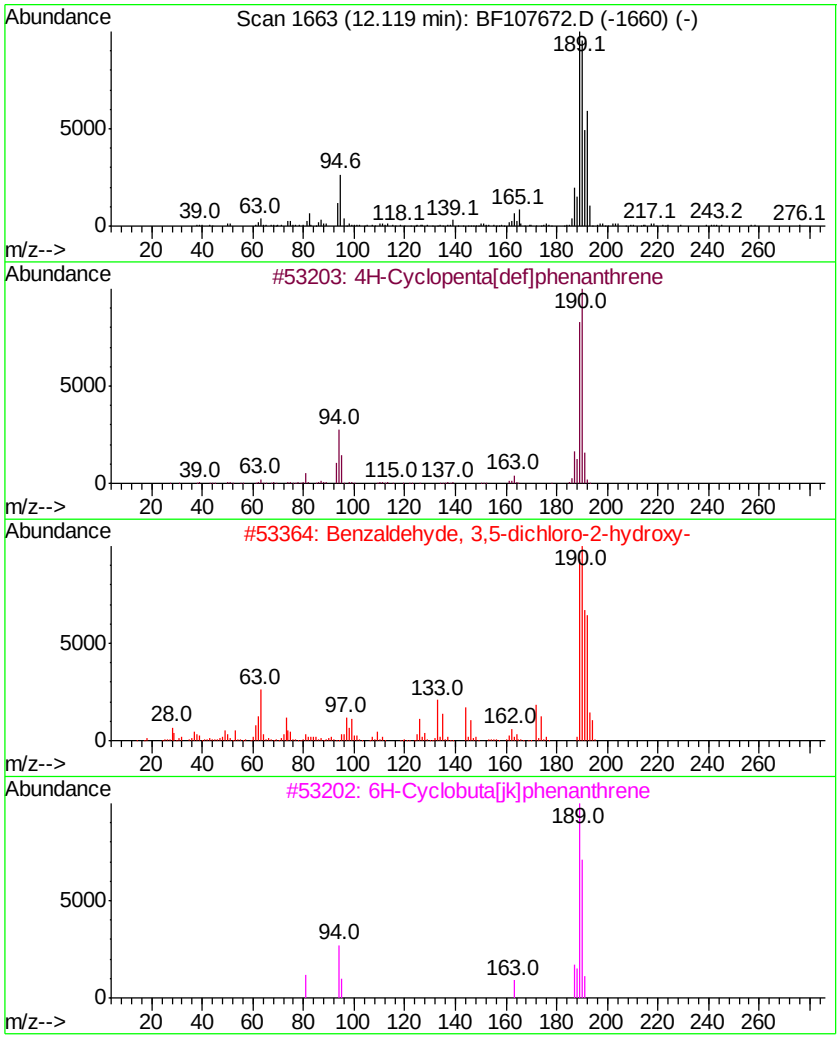
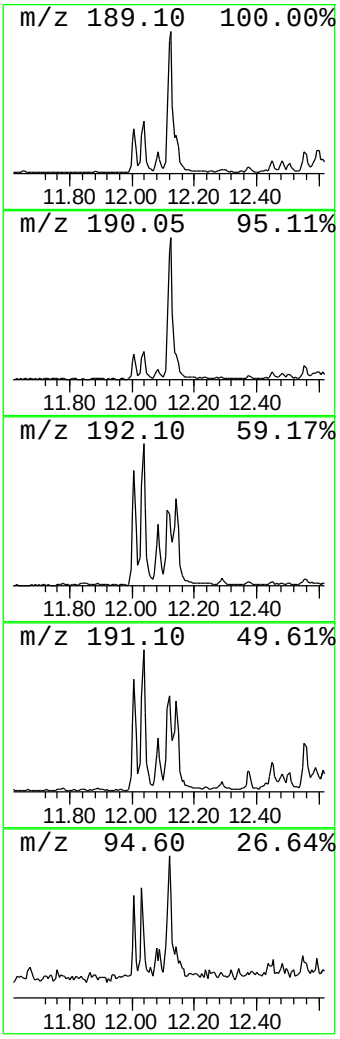
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	7.52 ng	456957	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20





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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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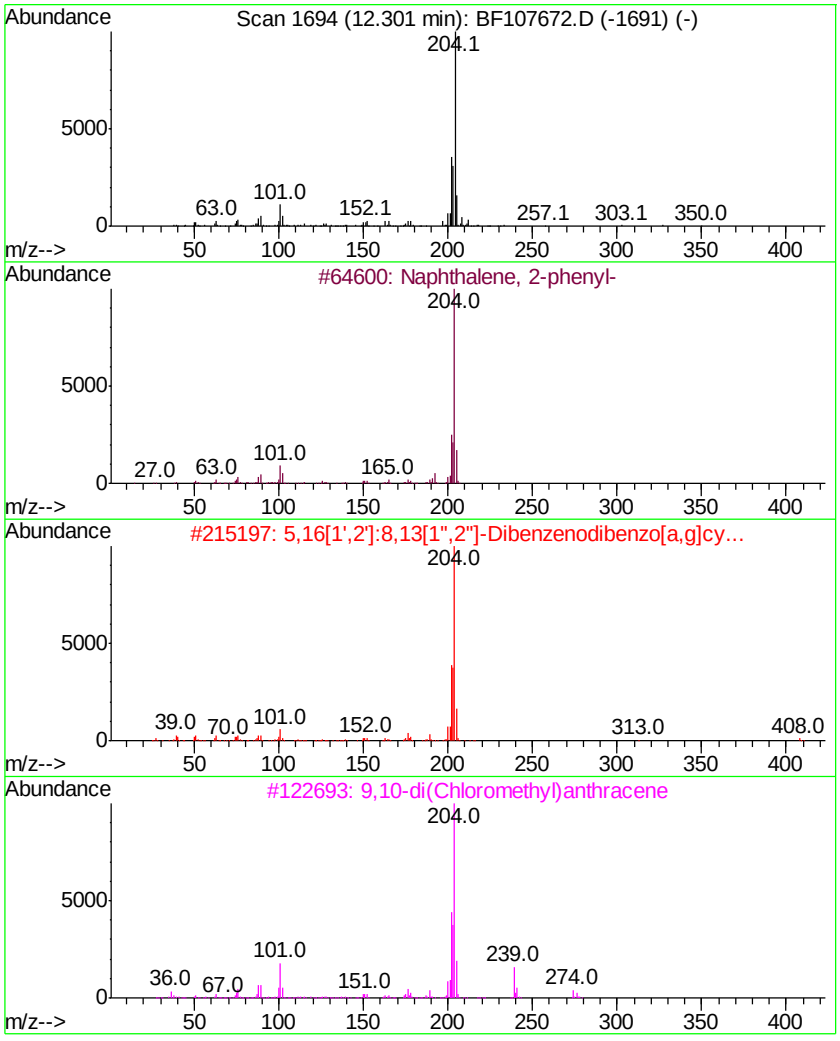
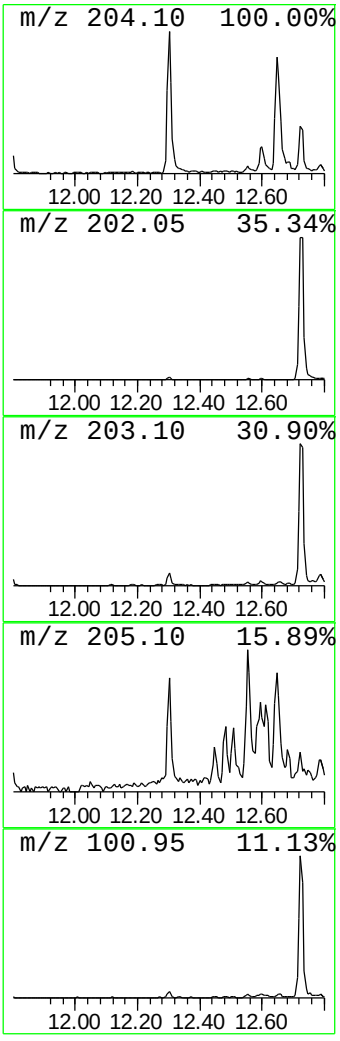
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.33 ng	141904	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





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

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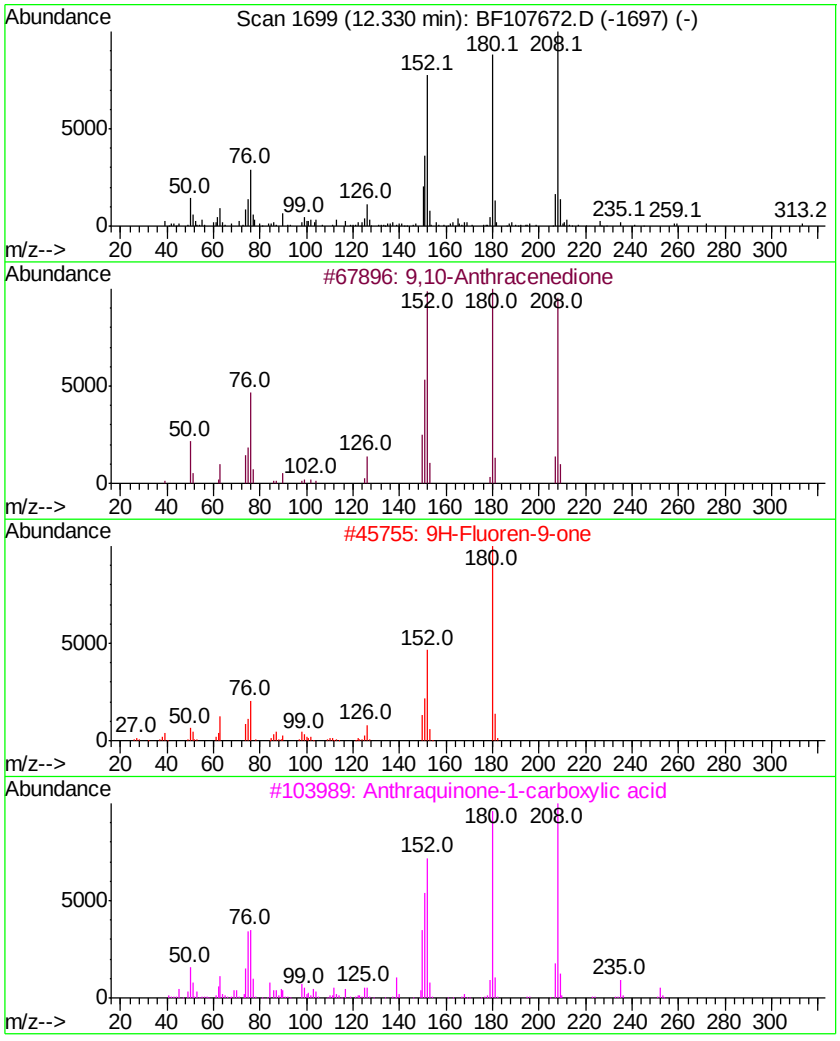
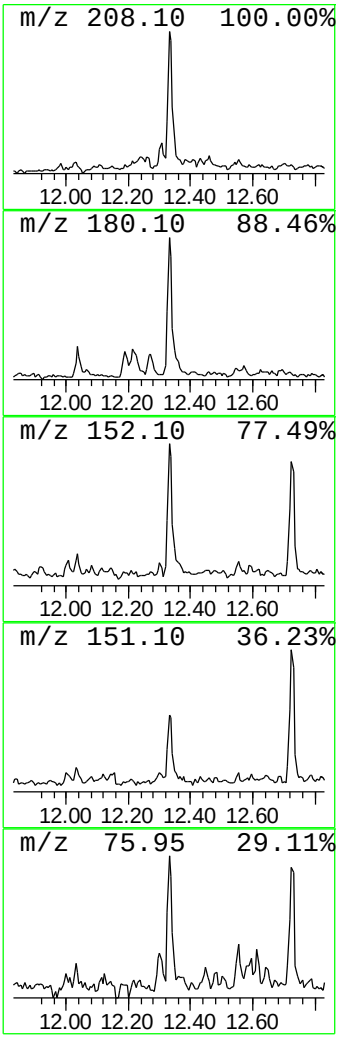
Peak Number 9 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	2.03 ng	123230	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	72
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53





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

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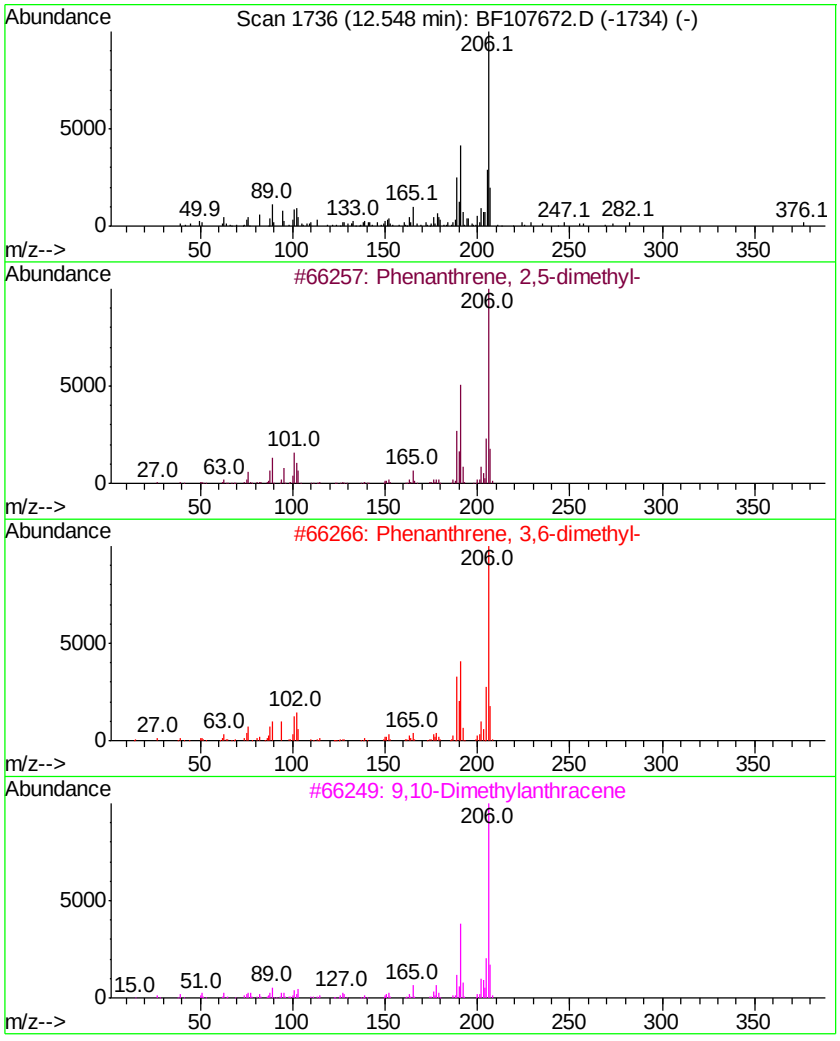
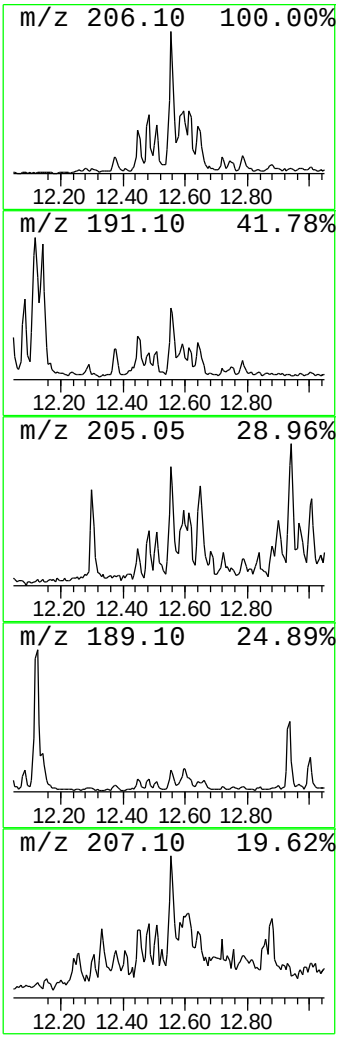
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	3.21 ng	195470	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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

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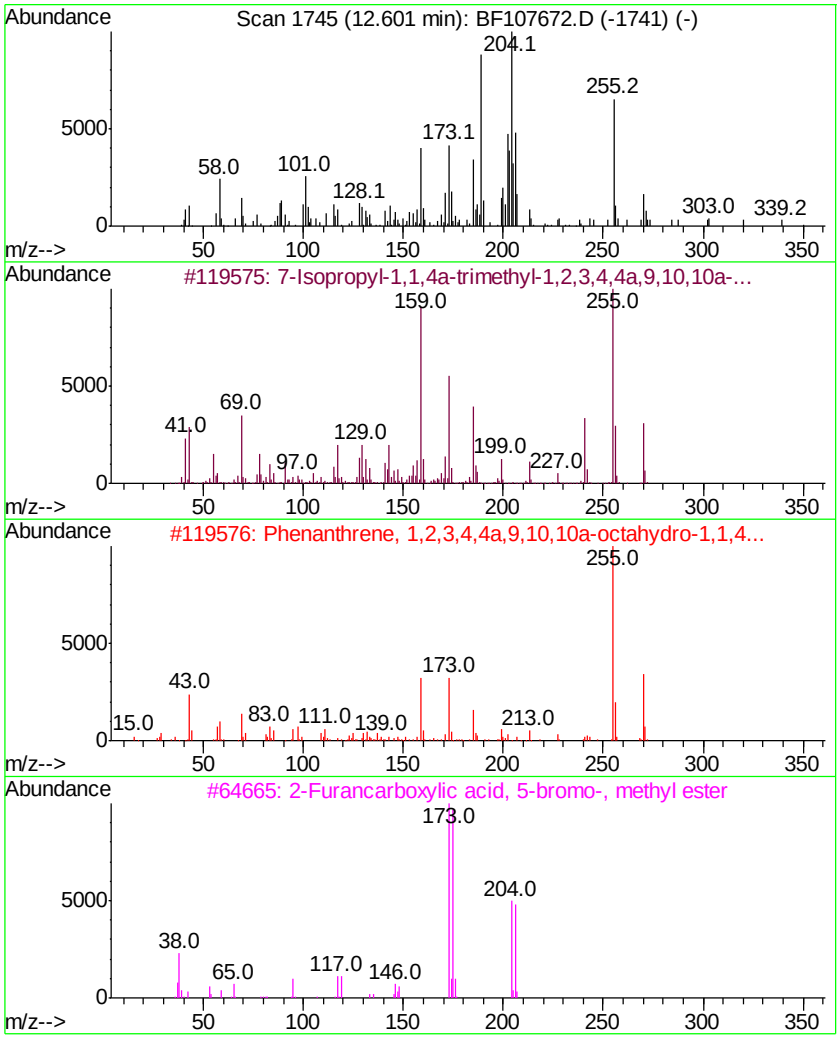
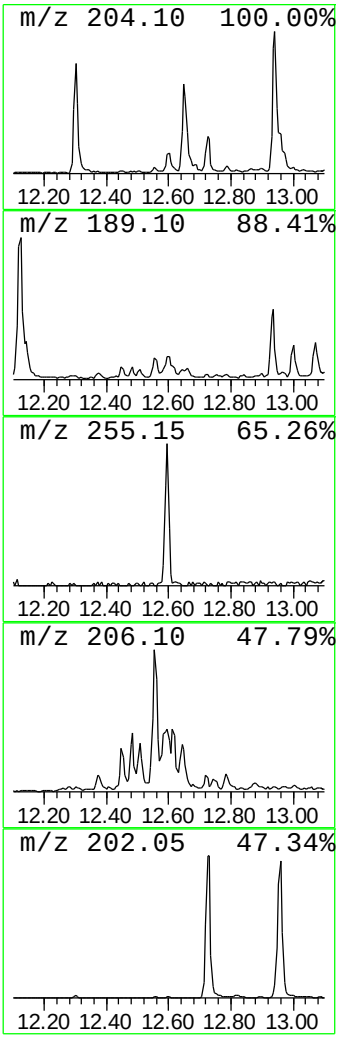
Peak Number 11 7-Isopropyl-1,1,4a-trimethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	4.07 ng	247390	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Isopropyl-1,1,4a-trimethyl-1,2...	270	C20H30	1000210-28-9	70
2	Phenanthrene, 1,2,3,4,4a,9,10,10...	270	C20H30	019407-28-4	25
3	2-Furancarboxylic acid, 5-bromo-...	204	C6H5BrO3	002527-99-3	12
4	9,10-Anthracenedimethanethiol	270	C16H14S2	059045-59-9	11
5	2-(4'-Methoxyphenyl)-2-(3'-methy...	270	C18H22O2	1000283-53-6	11





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

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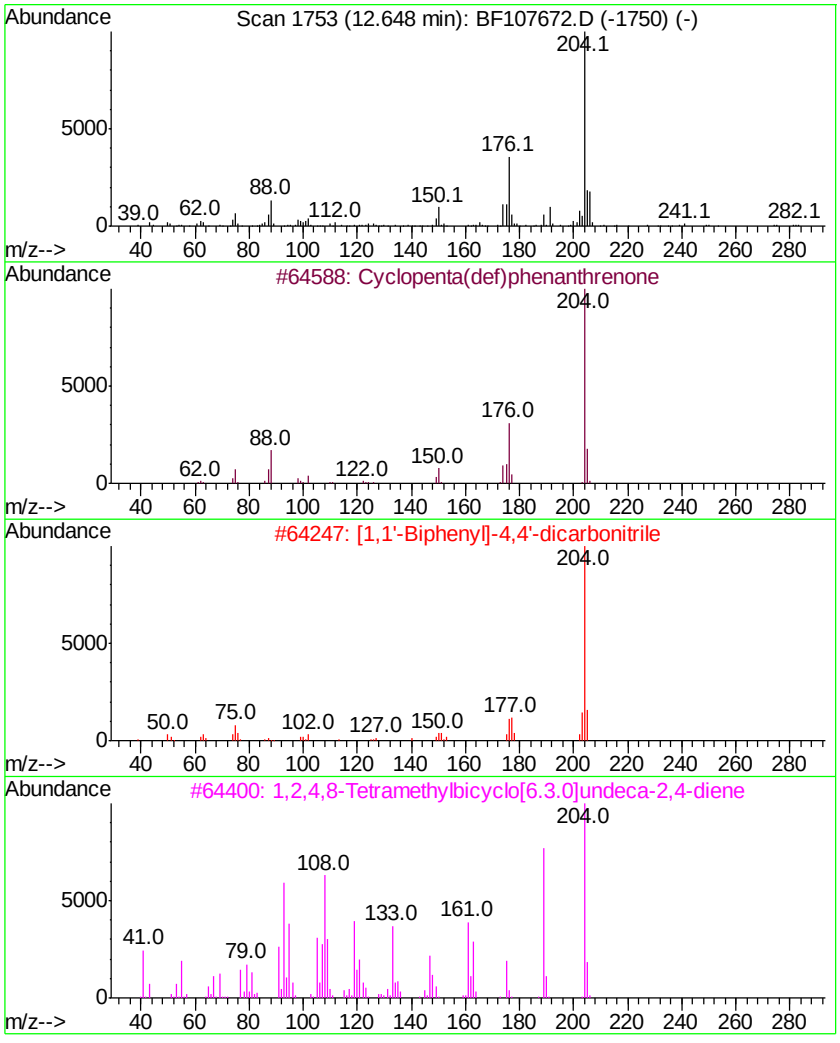
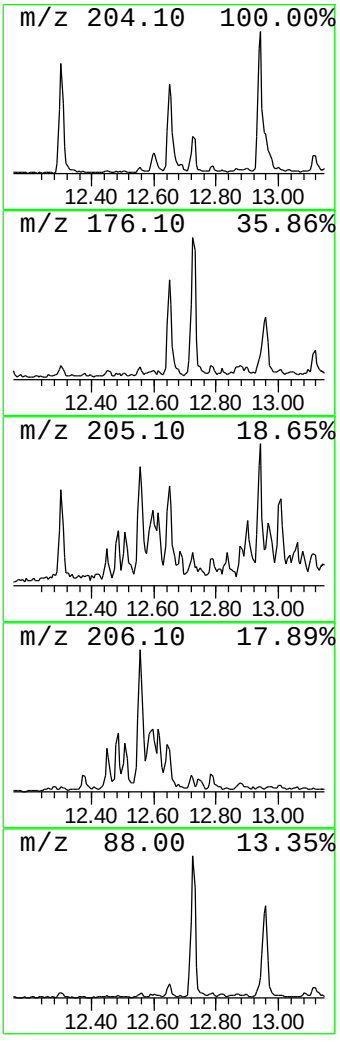
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	2.54 ng	154620	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	1-[3-(3,3-Dimethyl-but-1-ynyl)-2...	219	C15H25N	1000275-17-2	47





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Instrument : BNA_F
ClientSampleId : PLANTER-DOC-8

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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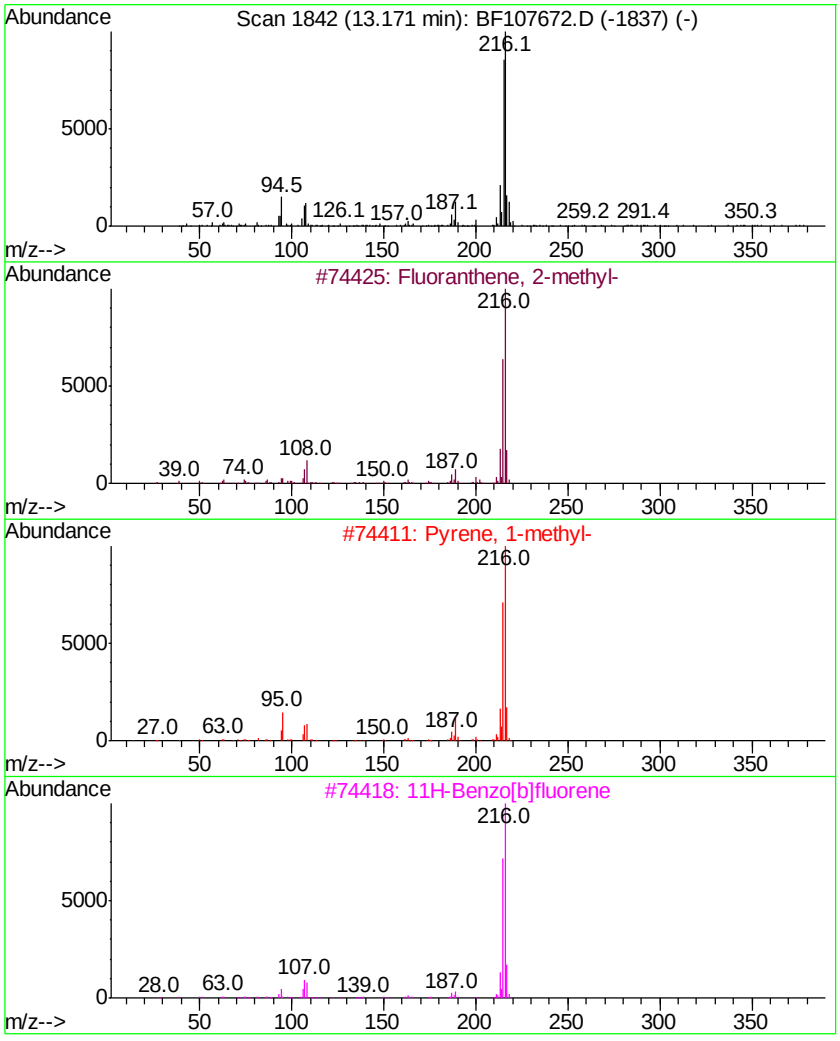
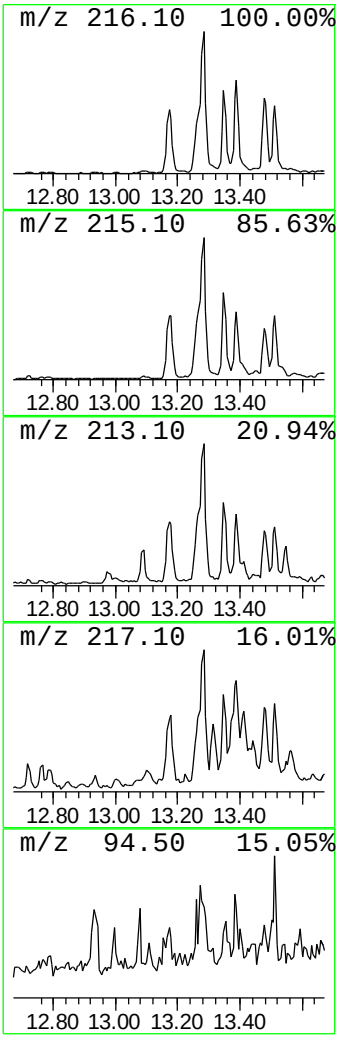
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.44 ng	337155	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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

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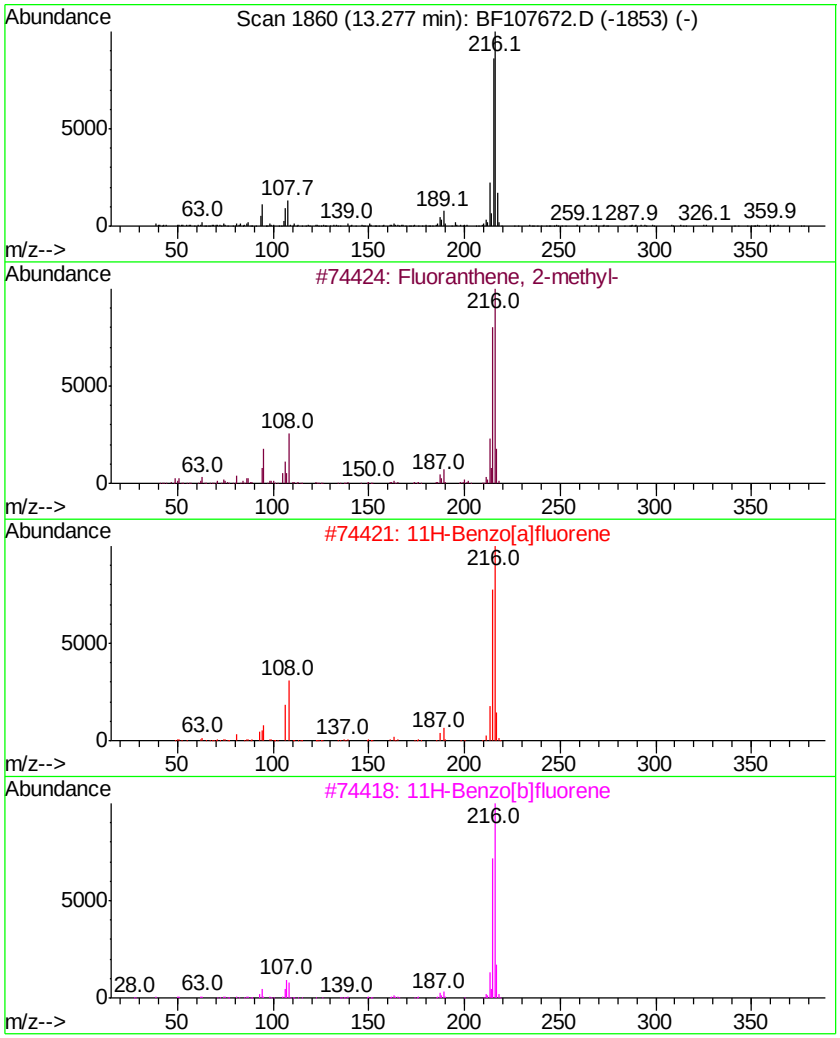
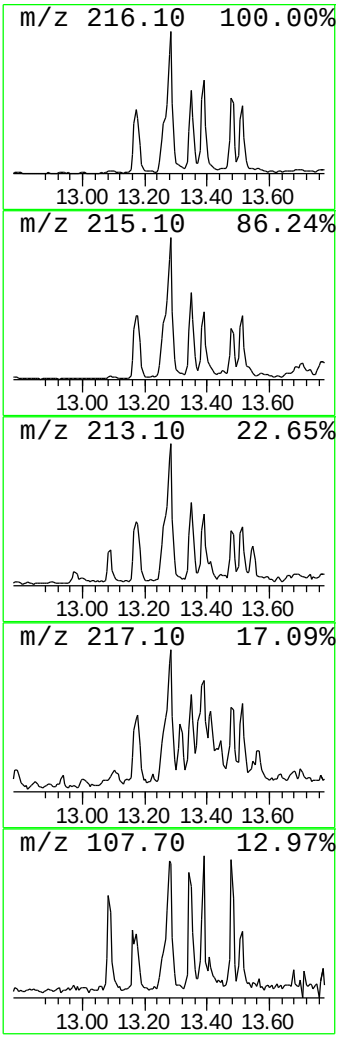
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	5.17 ng	712615	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	68





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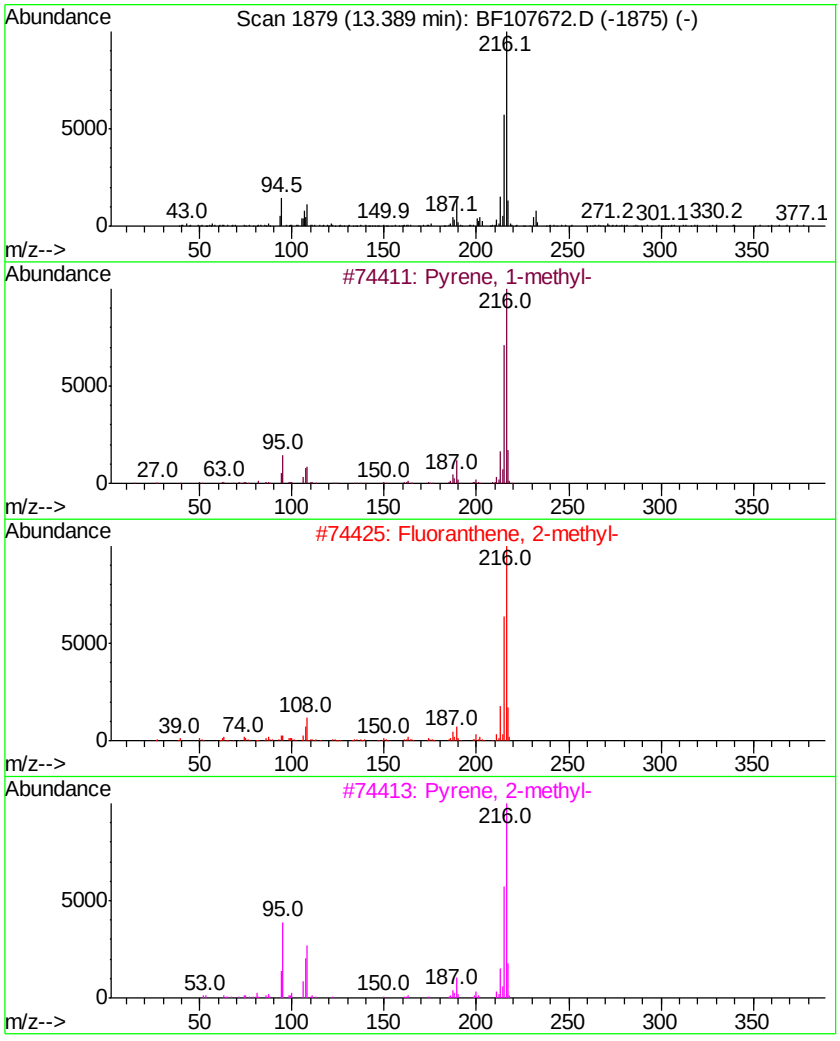
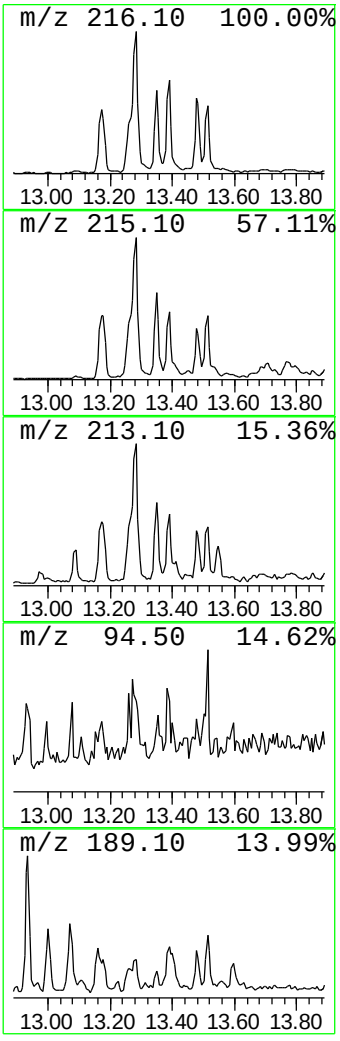
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	2.11 ng	291613	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72





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

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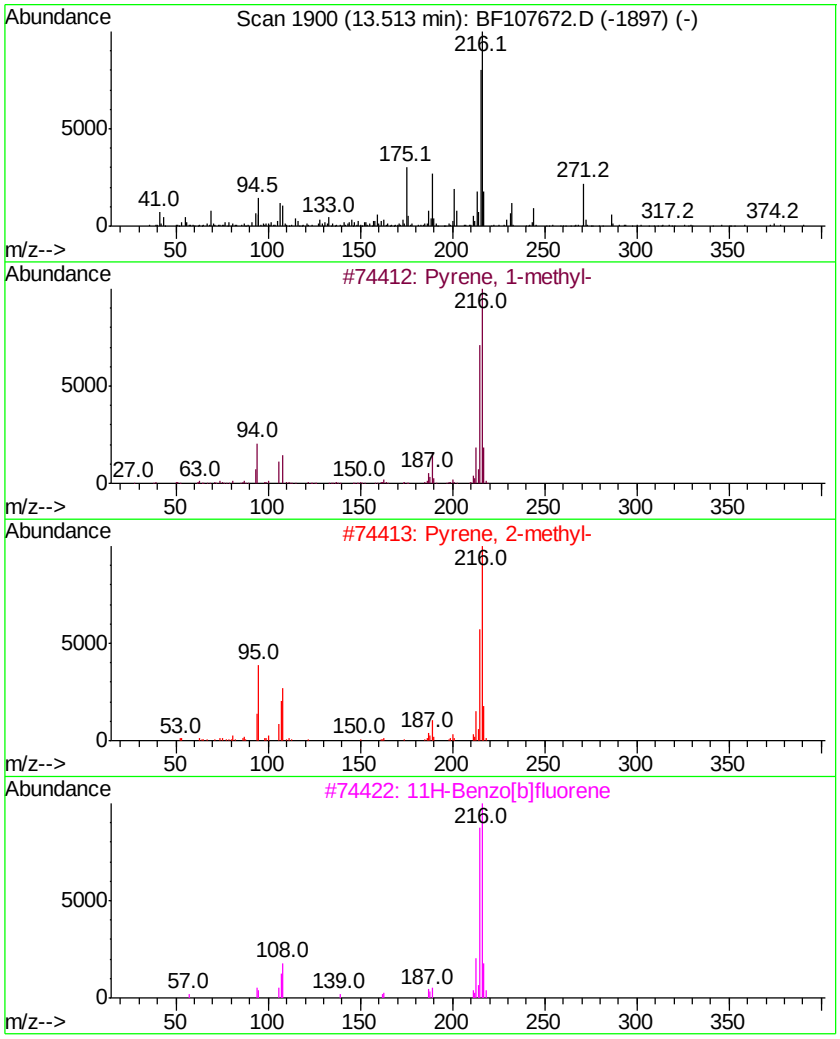
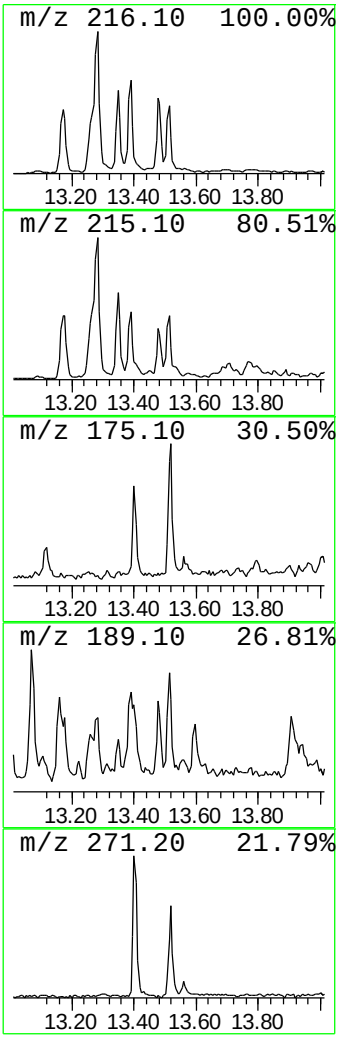
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	2.48 ng	342105	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	78
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	53
5	8H-Cyclohepta[4,5]thieno[3,2-E]-...	244	C12H12N4S	040106-83-0	50





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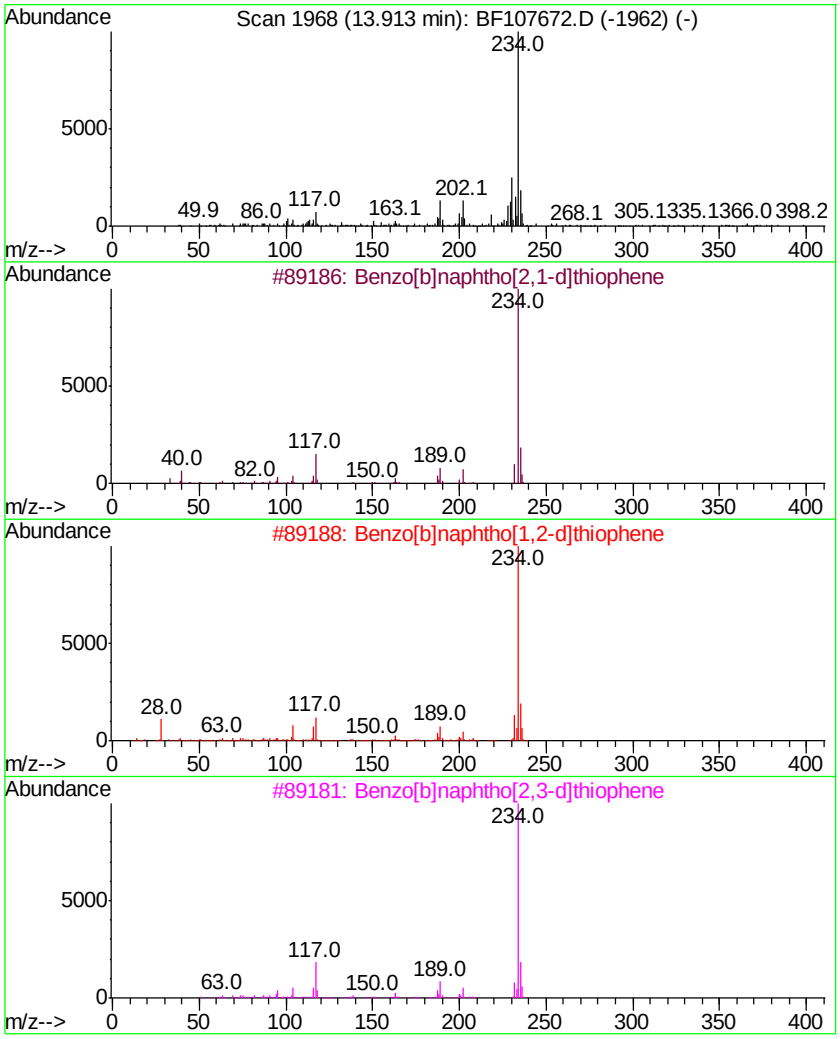
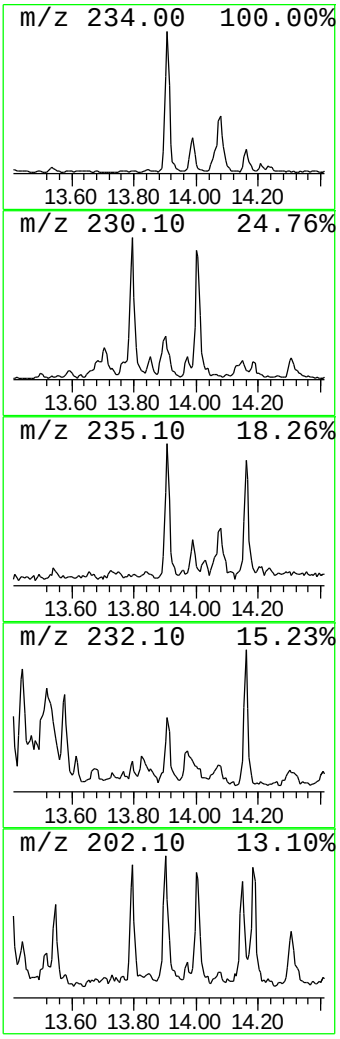
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	2.78 ng	383713	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	89
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	81
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	74





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Data File : BF107672.D
Acq On : 25 Jul 2018 22:05
Operator : JU/SJ
Sample : J4031-08 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-8

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

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

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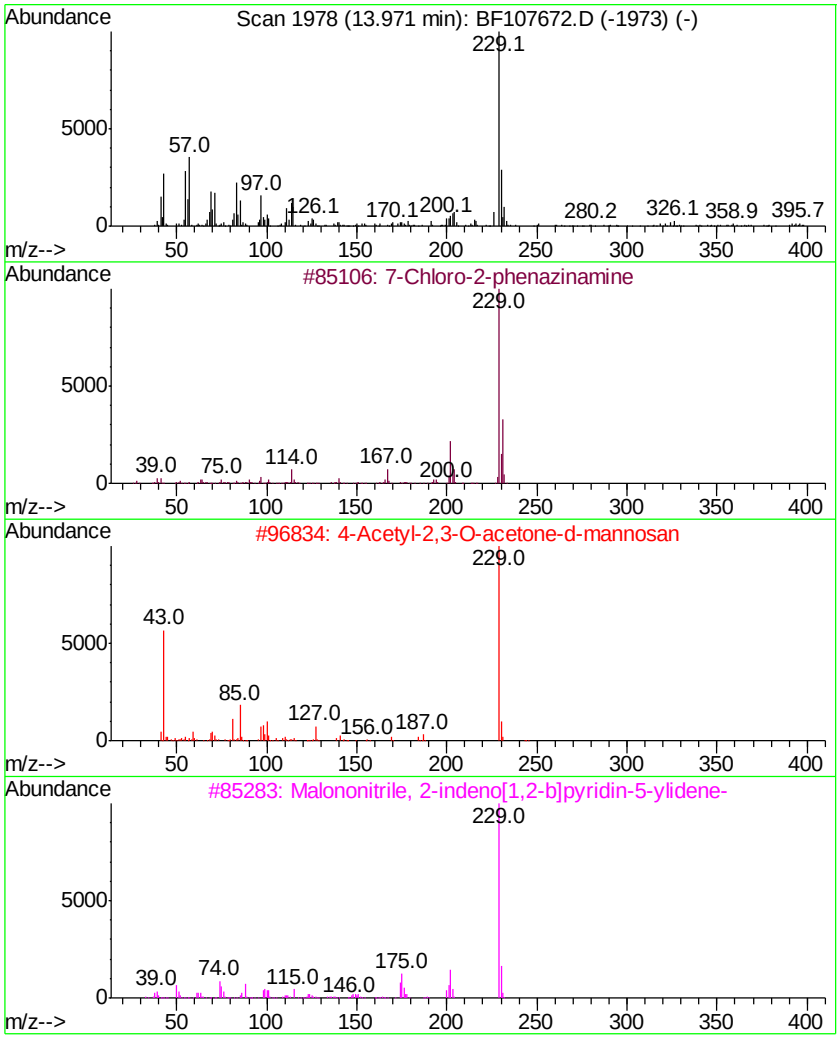
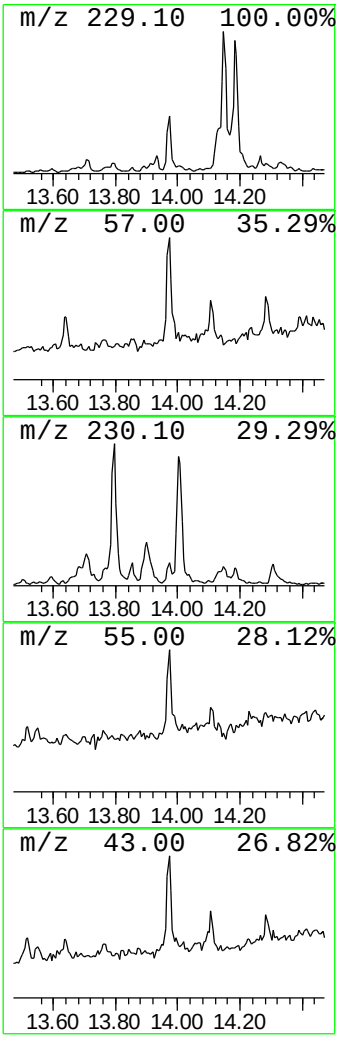
Peak Number 18 7-Chloro-2-phenazinamine Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	3.88 ng	535601	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Chloro-2-phenazinamine	229	C12H8ClN3	023677-11-4	52
2	4-Acetyl-2,3-O-acetone-d-mannosan	244	C11H16O6	014440-55-2	47
3	Malononitrile, 2-indeno[1,2-b]py...	229	C15H7N3	1000316-60-9	43
4	1-Dichloromethyldimethylsilyloxy...	312	C14H30Cl2OSi	1000283-10-7	40
5	(Z,Z)-3-Methyl-3H-cyclonona(def)...	230	C18H14	110823-80-8	40





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107672.D
Acq On : 25 Jul 2018 22:05
Operator : JU/SJ
Sample : J4031-08 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-8

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

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

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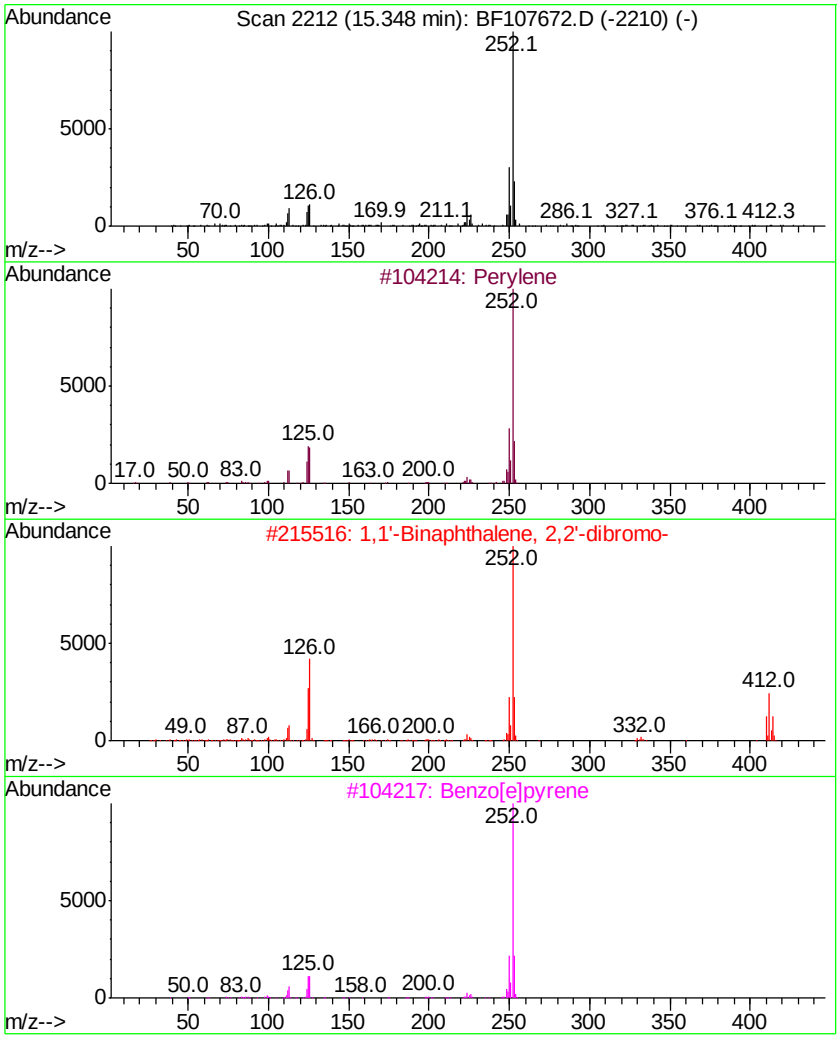
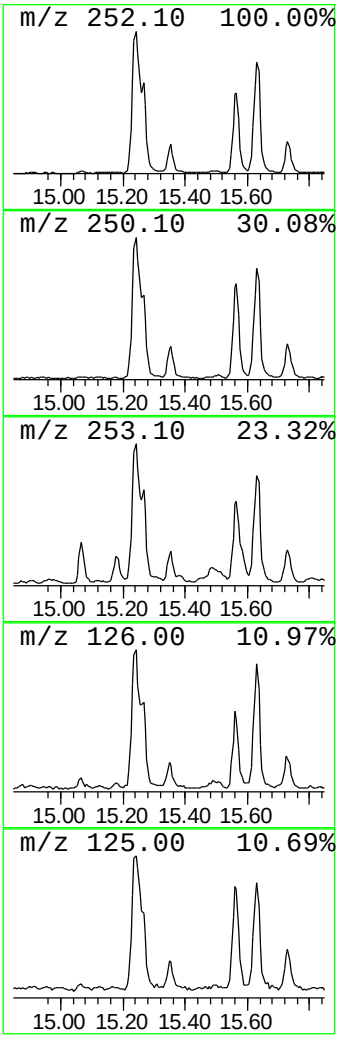
Peak Number 19 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	6.39 ng	212503	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	1,1'-Binaphthalene, 2,2'-dibromo-	410	C20H12Br2	074866-28-7	91
3	Benzo[e]pyrene	252	C20H12	000192-97-2	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107672.D
Acq On : 25 Jul 2018 22:05
Operator : JU/SJ
Sample : J4031-08 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-8

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

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

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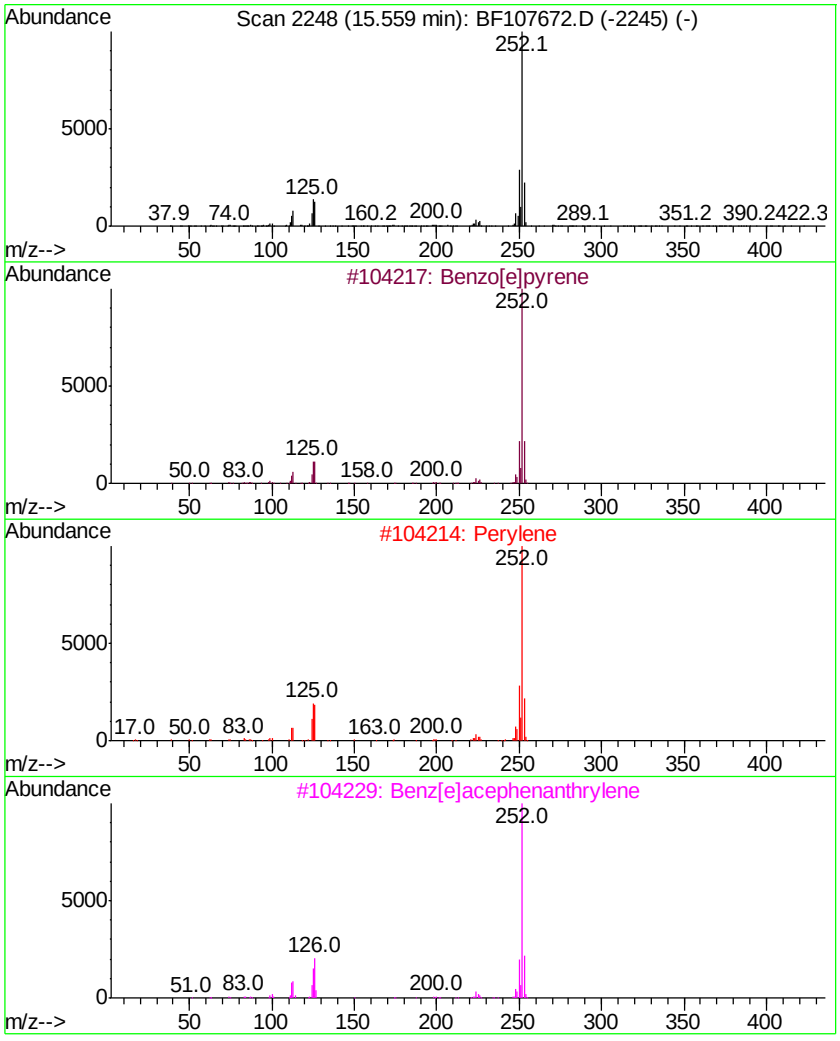
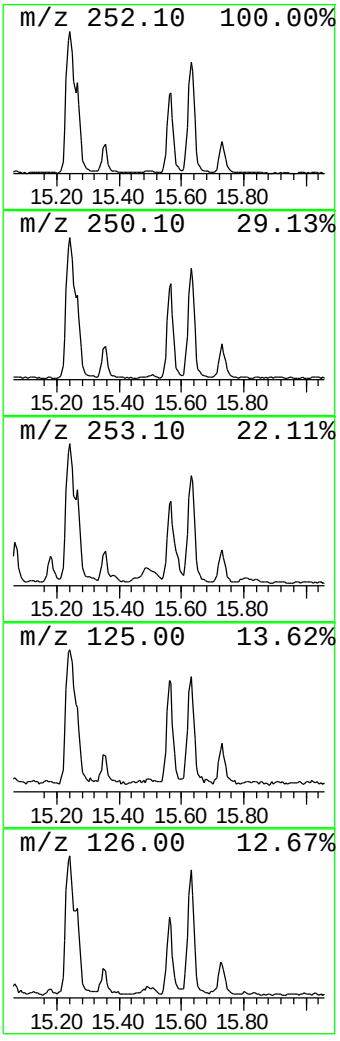
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	23.02 ng	765854	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072518\
Data File : BF107672.D
Acq On : 25 Jul 2018 22:05
Operator : JU/SJ
Sample : J4031-08 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-8

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 2-methyl...	5.19	4.1	ng	244289	1	6.97	1186680	20.0
unknown6.74	6.74	28.3	ng	1675950	1	6.97	1186680	20.0
Phenanthrene, 2-m...	12.01	5.2	ng	313376	4	11.51	1216030	20.0
Anthracene, 2-met...	12.04	5.5	ng	335077	4	11.51	1216030	20.0
1H-Cyclopropa[l]p...	12.08	2.1	ng	129534	4	11.51	1216030	20.0
4H-Cyclopenta[def...	12.12	7.5	ng	456957	4	11.51	1216030	20.0
Naphthalene, 2-ph...	12.30	2.3	ng	141904	4	11.51	1216030	20.0
9,10-Anthracenedione	12.33	2.0	ng	123230	4	11.51	1216030	20.0
Phenanthrene, 2,5...	12.55	3.2	ng	195470	4	11.51	1216030	20.0
7-Isopropyl-1,1,4...	12.60	4.1	ng	247390	4	11.51	1216030	20.0
Cyclopenta(def)ph...	12.65	2.5	ng	154620	4	11.51	1216030	20.0
Fluoranthene, 2-m...	13.17	2.4	ng	337155	5	14.16	2759190	20.0
11H-Benzo[a]fluorene	13.28	5.2	ng	712615	5	14.16	2759190	20.0
Pyrene, 1-methyl-	13.39	2.1	ng	291613	5	14.16	2759190	20.0
Pyrene, 2-methyl-	13.51	2.5	ng	342105	5	14.16	2759190	20.0
Benzo[b]naphtho[2...	13.91	2.8	ng	383713	5	14.16	2759190	20.0
7-Chloro-2-phenaz...	13.97	3.9	ng	535601	5	14.16	2759190	20.0
Perylene	15.35	6.4	ng	212503	6	15.70	665260	20.0
Benzo[e]pyrene	15.56	23.0	ng	765854	6	15.70	665260	20.0