LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107674.D
Acq On : 25 Jul 2018 22:59
Operator : JU/SJ
Sample : J4031-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-10

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	5.184	481	484	496	rVB	92389	108936	3.04%	0.253%
2	5.595	550	554	574	rBV	286205	578798	16.14%	1.346%
3	6.601	721	725	743	rBV	283698	688217	19.19%	1.600%
4	6.737	745	748	762	rVV	545151	721557	20.12%	1.677%
5	6.966	784	787	805	rBV	882963	1112691	31.03%	2.587%
6	7.119	810	813	829	rVV	514234	600791	16.75%	1.397%
7	7.531	878	883	905	rBV	206338	438477	12.23%	1.019%
8	8.248	1002	1005	1029	rBV	1199123	1491275	41.59%	3.467%
9	9.060	1141	1143	1151	rVB	33759	37495	1.05%	0.087%
10	9.319	1184	1187	1197	rBV	761454	816521	22.77%	1.898%
11	9.595	1228	1234	1238	rBV2	38932	57455	1.60%	0.134%
12	9.666	1243	1246	1248	rVV	77497	78664	2.19%	0.183%
13	9.713	1252	1254	1262	rVB2	42569	52057	1.45%	0.121%
14	9.872	1278	1281	1286	rBV2	62727	69182	1.93%	0.161%
15	10.007	1301	1304	1308	rBV	1260971	1276605	35.60%	2.968%
16	10.042	1308	1310	1318	rVV	306682	272112	7.59%	0.633%
17	10.107	1318	1321	1326	rVB2	25592	38871	1.08%	0.090%
18	10.166	1326	1331	1335	rBV2	28534	40267	1.12%	0.094%
19	10.213	1335	1339	1342	rBV2	86337	122701	3.42%	0.285%
20	10.248	1342	1345	1349	rVB	59496	62426	1.74%	0.145%
21	10.325	1354	1358	1361	rBV	54532	57770	1.61%	0.134%
22	10.419	1369	1374	1375	rBV3	54093	64607	1.80%	0.150%
23	10.560	1394	1398	1404	rBV2	82578	113209	3.16%	0.263%
24	10.713	1419	1424	1429	rVB3	106117	140677	3.92%	0.327%
25	10.801	1435	1439	1445	rBV2	418448	522436	14.57%	1.215%
26	10.901	1452	1456	1458	rBV2	28860	45251	1.26%	0.105%
27	11.230	1507	1512	1514	rBV3	99586	118365	3.30%	0.275%
28	11.260	1514	1517	1522	rVV3	86616	112267	3.13%	0.261%
29	11.313	1522	1526	1529	rVV	113242	116976	3.26%	0.272%
30	11.348	1529	1532	1538	rVB3	103882	172444	4.81%	0.401%
31	11.401	1538	1541	1552	rVB	143712	177917	4.96%	0.414%
32	11.507	1555	1559	1561	rBV	1186879	1228275	34.25%	2.855%
33	11.530	1561	1563	1569	rVV	2198672	2014096	56.17%	4.682%
34	11.583	1569	1572	1577	rVB	342476	354785	9.89%	0.825%

LSC Area Percent Report

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Acq On : 25 Jul 2018 22:59
Operator : JU/SJ
Sample : J4031-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-10

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	11.748	1593	1600	1602	rBV3	133896	225694	6.29%	0.525%
36	11.795	1606	1608	1613	rVV2	99293	95479	2.66%	0.222%
37	11.842	1613	1616	1621	rVV4	53775	72986	2.04%	0.170%
38	11.913	1626	1628	1634	rVB3	38126	57828	1.61%	0.134%
39	12.007	1641	1644	1646	rBV	390864	355403	9.91%	0.826%
40	12.036	1646	1649	1654	rVV	484508	493740	13.77%	1.148%
41	12.083	1654	1657	1660	rVV	179261	168428	4.70%	0.392%
42	12.118	1660	1663	1666	rVV2	410644	542285	15.12%	1.261%
43	12.142	1666	1667	1671	rVV	266374	187585	5.23%	0.436%
44	12.183	1671	1674	1677	rVB5	36490	44121	1.23%	0.103%
45	12.301	1691	1694	1697	rBV	270137	255414	7.12%	0.594%
46	12.330	1697	1699	1704	rVV	160840	186166	5.19%	0.433%
47	12.377	1704	1707	1713	rVB2	45749	58162	1.62%	0.135%
48	12.454	1714	1720	1722	rBV2	108613	139566	3.89%	0.324%
49	12.483	1722	1725	1727	rVB	72165	53816	1.50%	0.125%
50	12.507	1727	1729	1733	rVB	81251	63071	1.76%	0.147%
51	12.560	1734	1738	1741	rBV	203691	277118	7.73%	0.644%
52	12.595	1741	1744	1746	rVV3	182381	214999	6.00%	0.500%
53	12.648	1750	1753	1757	rVB2	265112	296967	8.28%	0.690%
54	12.730	1762	1767	1771	rBV	3552686	3586013	100.00%	8.336%
55	12.789	1775	1777	1780	rVB	89252	80498	2.24%	0.187%
56	12.860	1785	1789	1790	rBV3	75642	92663	2.58%	0.215%
57	12.877	1790	1792	1795	rVV	137118	144560	4.03%	0.336%
58	12.936	1799	1802	1803	rBV	668345	579865	16.17%	1.348%
59	12.960	1803	1806	1811	rVV	3110637	3177889	88.62%	7.388%
60	13.001	1811	1813	1819	rVB2	228943	260638	7.27%	0.606%
61	13.089	1822	1828	1830	rBV2	646718	823758	22.97%	1.915%
62	13.113	1830	1832	1837	rVB	142061	162730	4.54%	0.378%
63	13.171	1837	1842	1847	rBV2	256741	452163	12.61%	1.051%
64	13.277	1853	1860	1865	rBV3	377882	748868	20.88%	1.741%
65	13.348	1870	1872	1874	rVV	125508	123119	3.43%	0.286%
66	13.401	1874	1881	1886	rVV4	582942	1184507	33.03%	2.754%
67	13.442	1886	1888	1892	rVV2	94430	118971	3.32%	0.277%
68	13.483	1892	1895	1897	rVV	261168	279379	7.79%	0.649%
69	13.518	1897	1901	1904	rVV	717330	852054	23.76%	1.981%
70	13.548	1904	1906	1918	rVB6	437585	720747	20.10%	1.676%
71	13.765	1940	1943	1945	rBV3	72766	82142	2.29%	0.191%

LSC Area Percent Report

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Sample : J4031-10 5X
Misc :
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Instrument : BNA_F
ClientSampleId : PLANTER-DOC-10

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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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.795	1945	1948	1953	rVB	388292	400878	11.18%	0.932%
73	13.907	1962	1967	1970	rBV3	339412	608507	16.97%	1.415%
74	13.960	1974	1976	1981	rVV2	274227	513741	14.33%	1.194%
75	14.007	1981	1984	1990	rVB	292065	365913	10.20%	0.851%
76	14.154	2004	2009	2012	rBV2	1701741	2681277	74.77%	6.233%
77	14.183	2012	2014	2022	rVB	1535371	1685141	46.99%	3.917%
78	14.265	2026	2028	2033	rBV2	101270	118236	3.30%	0.275%
79	14.507	2067	2069	2071	rBV	91502	82358	2.30%	0.191%
80	14.542	2073	2075	2078	rVV	285828	268066	7.48%	0.623%
81	14.671	2095	2097	2099	rBV	107483	98042	2.73%	0.228%
82	15.242	2189	2194	2197	rBV	977014	1705219	47.55%	3.964%
83	15.354	2210	2213	2217	rBV	131429	146437	4.08%	0.340%
84	15.565	2245	2249	2255	rVB	542515	778544	21.71%	1.810%
85	15.630	2256	2260	2265	rBV	738842	984959	27.47%	2.290%
86	15.701	2267	2272	2275	rBV	468671	696427	19.42%	1.619%
87	17.277	2535	2540	2551	rVB2	313061	719137	20.05%	1.672%

Sum of corrected areas: 43016447

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
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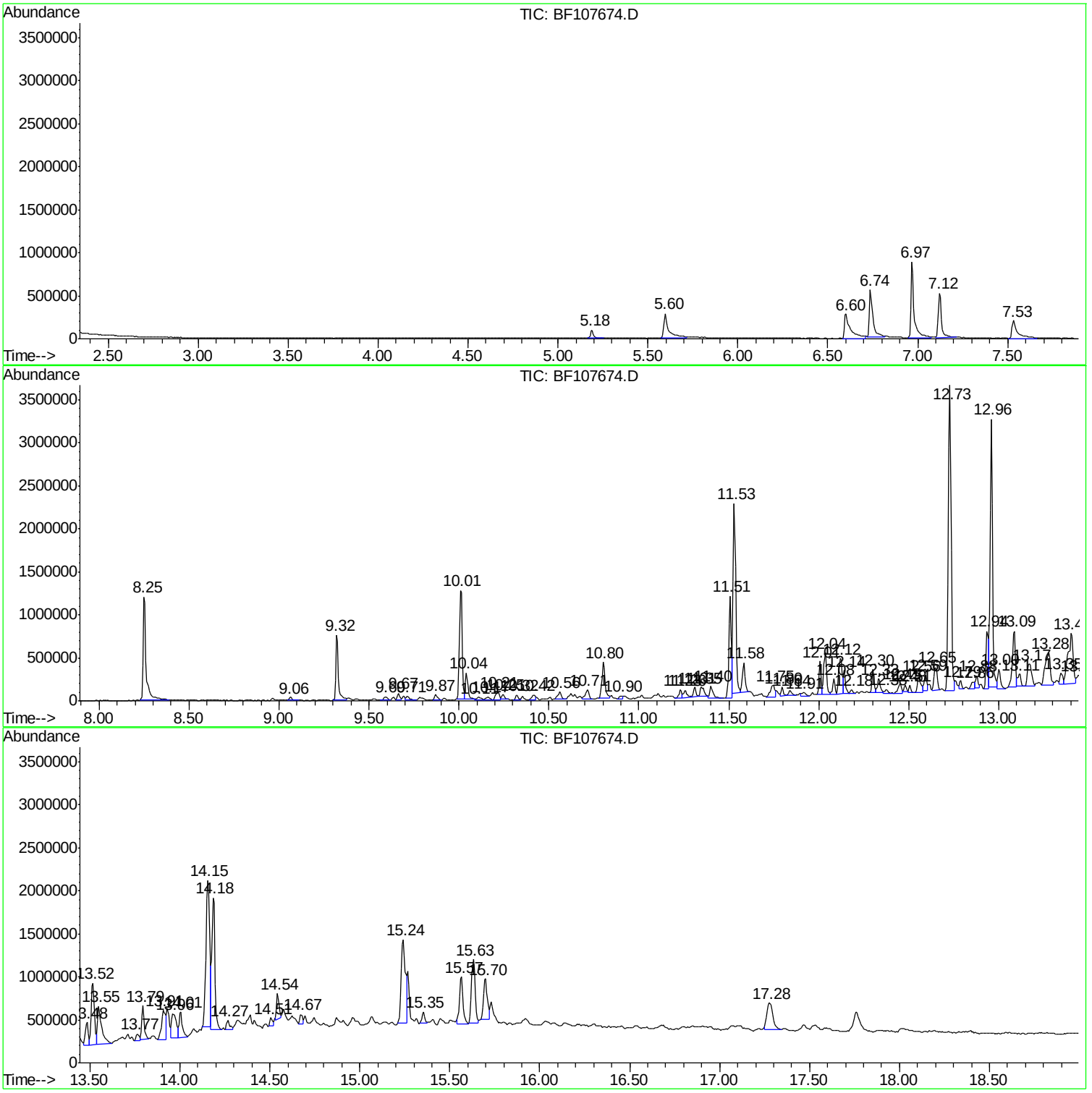
Operator : JU/SJ
Sample : J4031-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-10

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 : BF107674.D
Acq On : 25 Jul 2018 22:59
Operator : JU/SJ
Sample : J4031-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-10

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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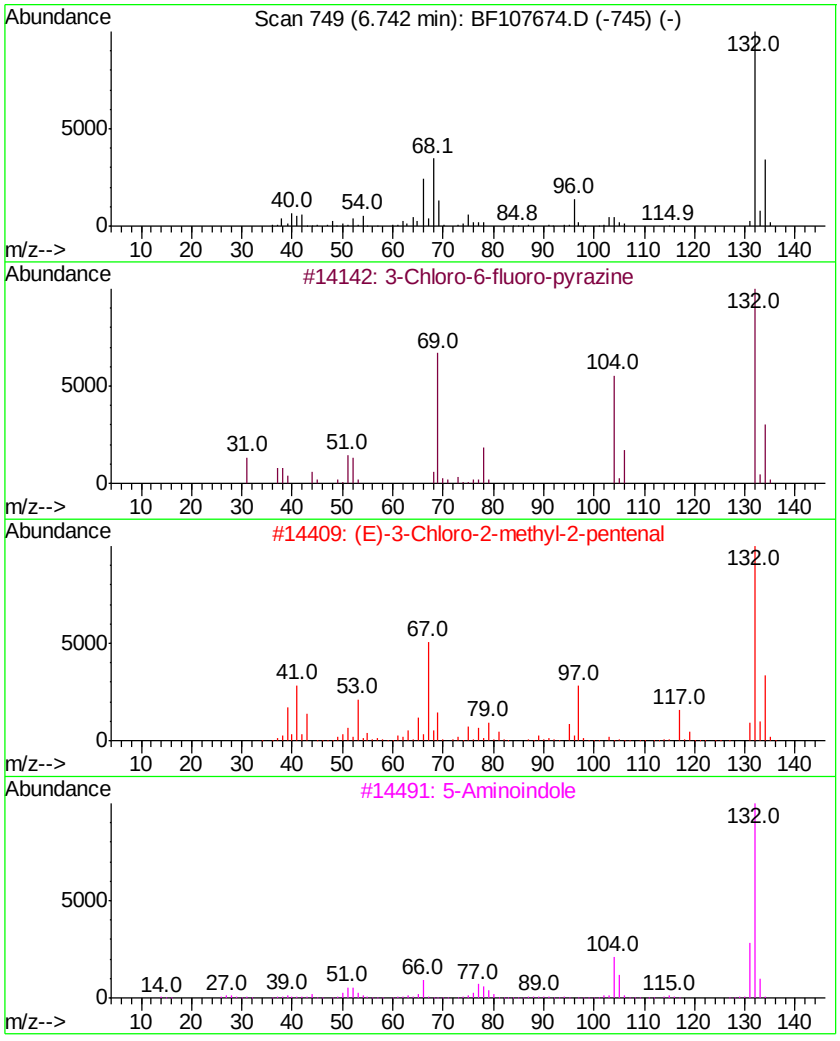
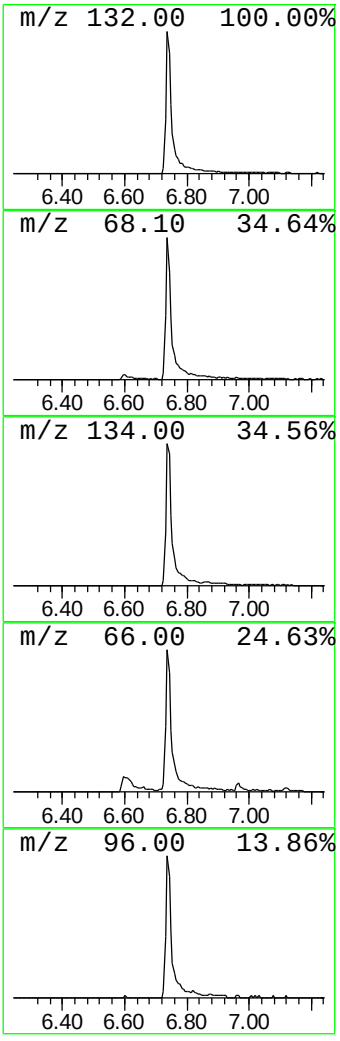
Peak Number 1 unknown6.74 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	12.97 ng	721557	1,4-Dichlorobenzene-d4	6.97

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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107674.D
Acq On : 25 Jul 2018 22:59
Operator : JU/SJ
Sample : J4031-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-10

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

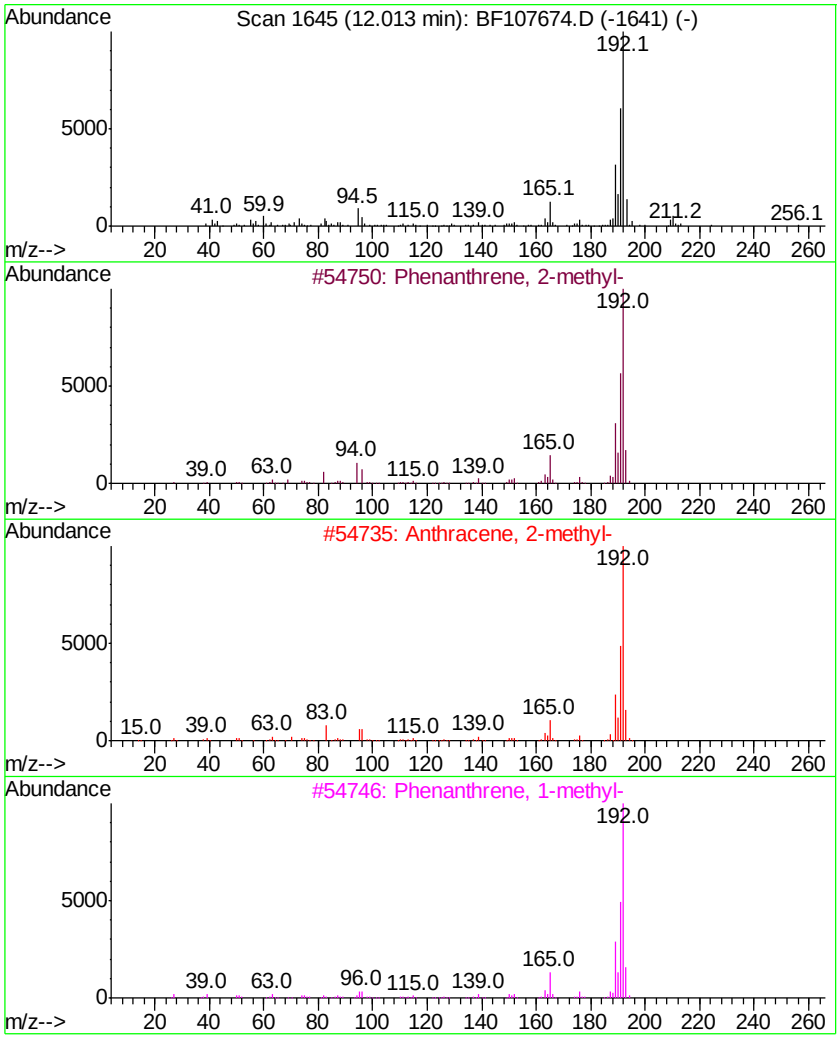
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

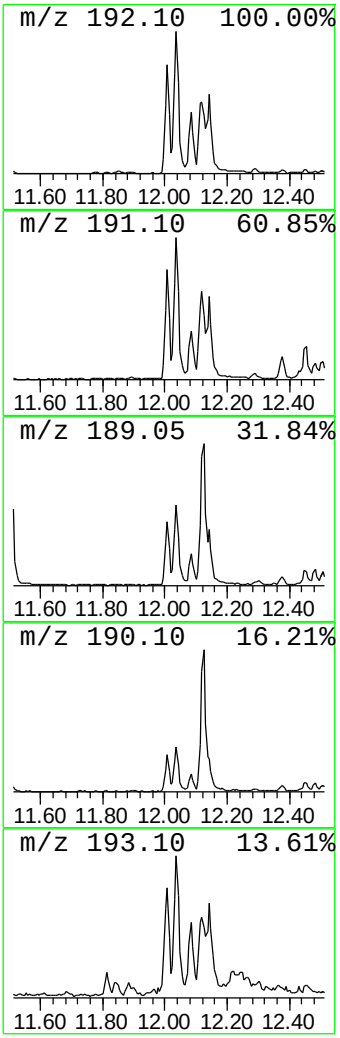
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	5.79 ng	355403	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

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Data File : BF107674.D
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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-10

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

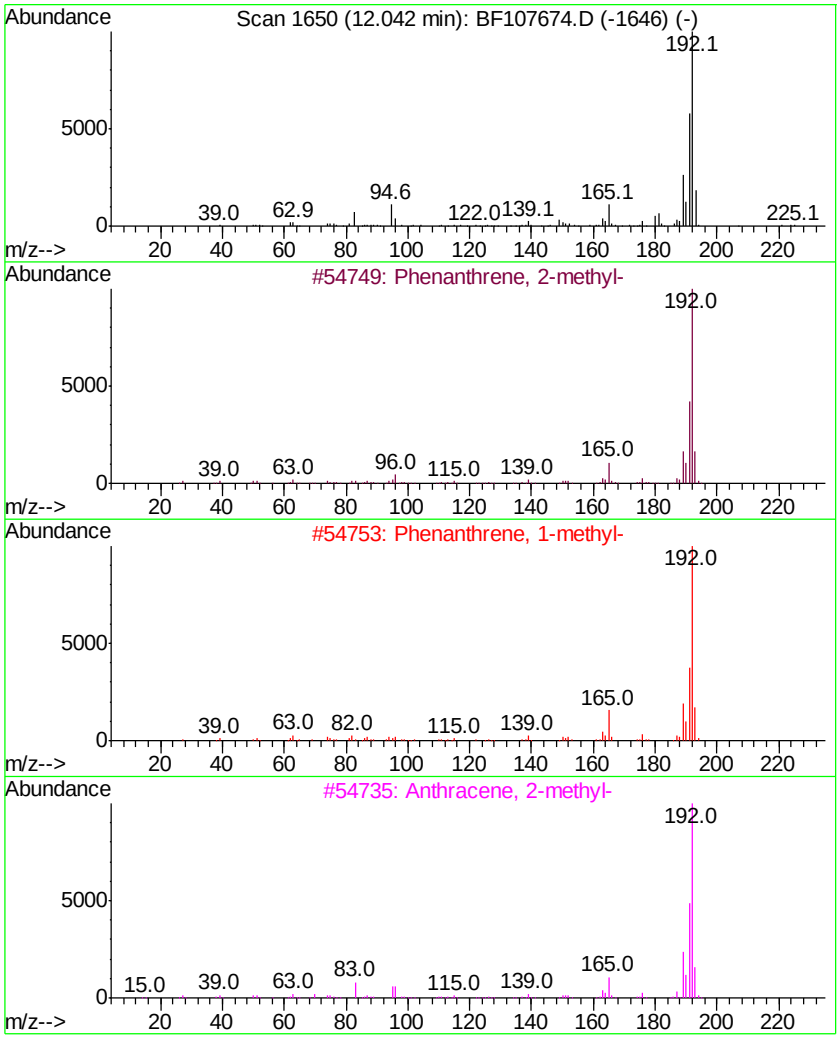
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

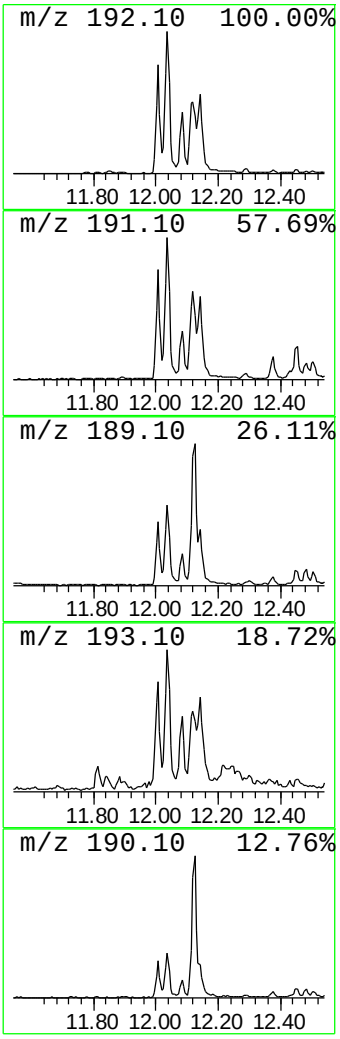
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	8.04 ng	493740	Phenanthrene-d10	11.51

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	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
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Acq On : 25 Jul 2018 22:59
Operator : JU/SJ
Sample : J4031-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-10

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

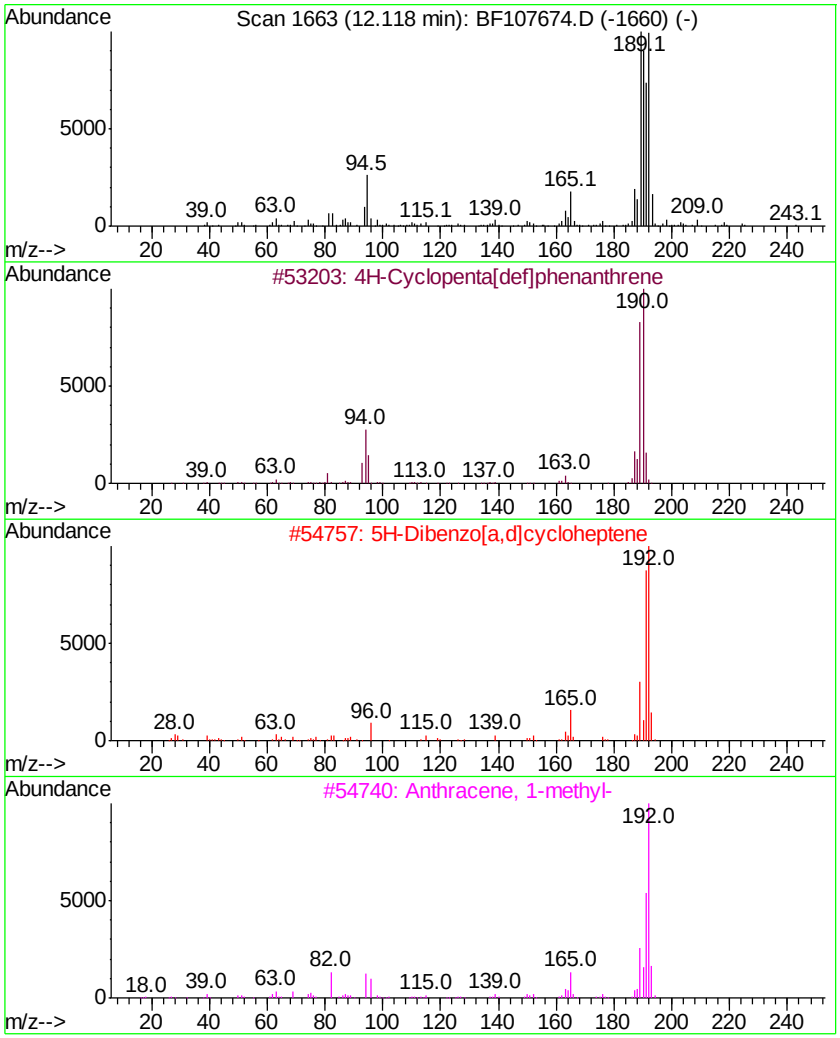
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

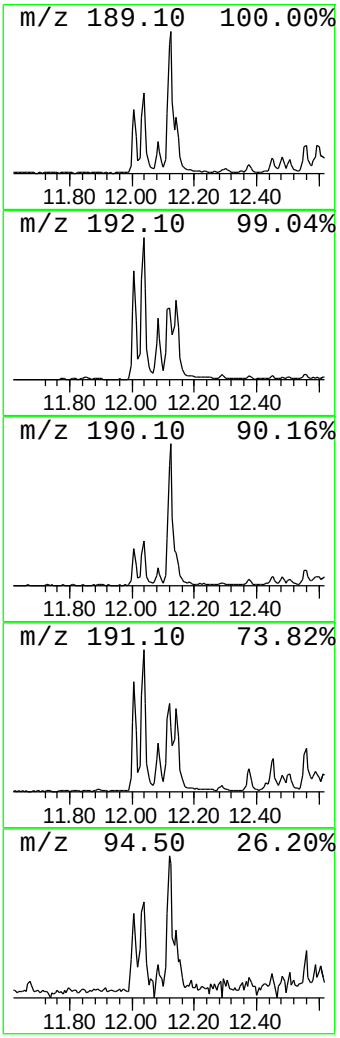
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	8.83 ng	542285	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	46
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46





Library Search Compound Report

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Data File : BF107674.D
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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-10

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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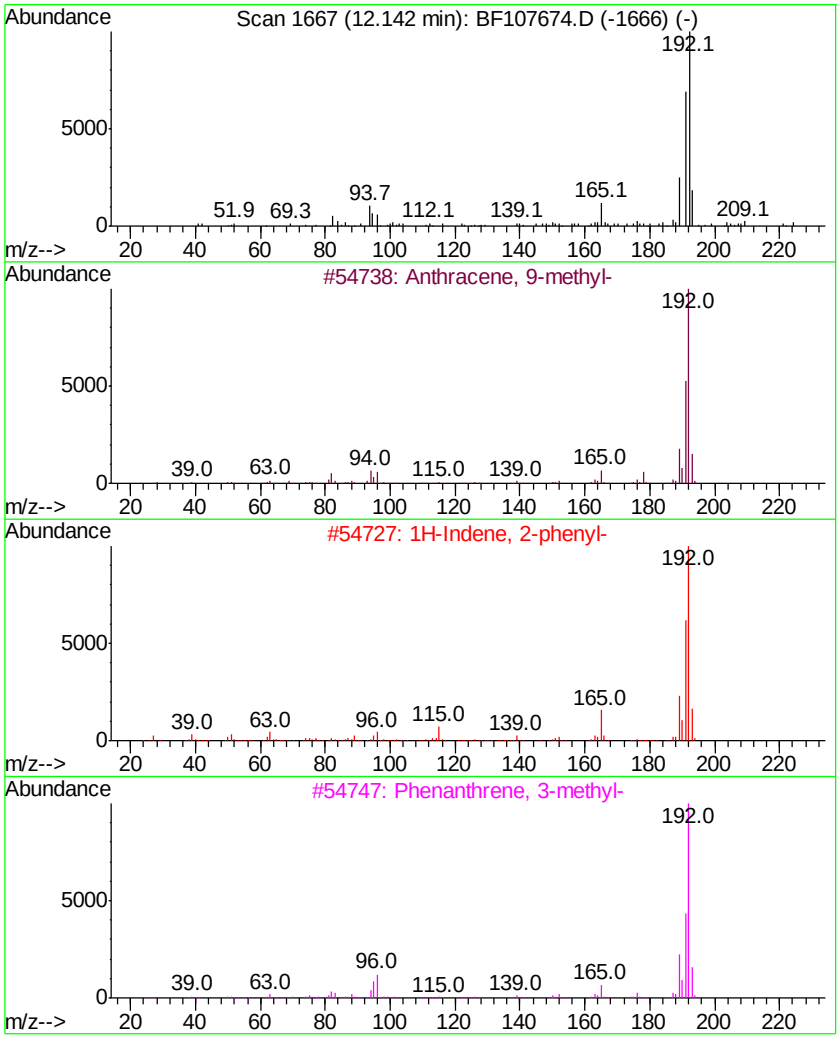
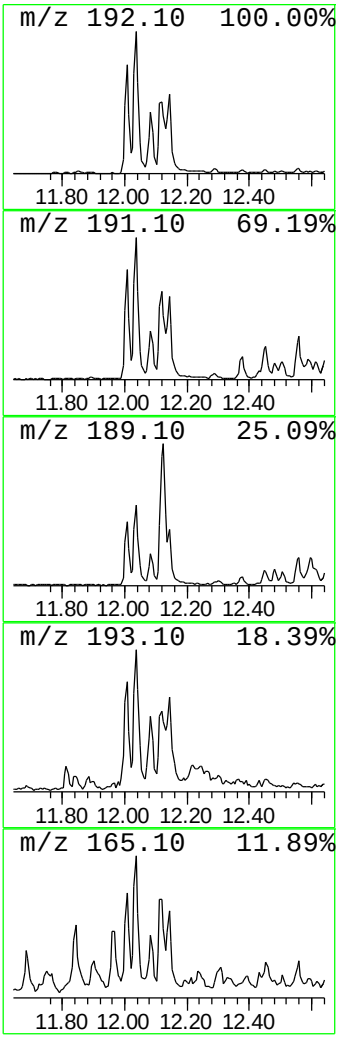
Peak Number 6 Anthracene, 9-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	3.05 ng	187585	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	74
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	74
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107674.D
Acq On : 25 Jul 2018 22:59
Operator : JU/SJ
Sample : J4031-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-10

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

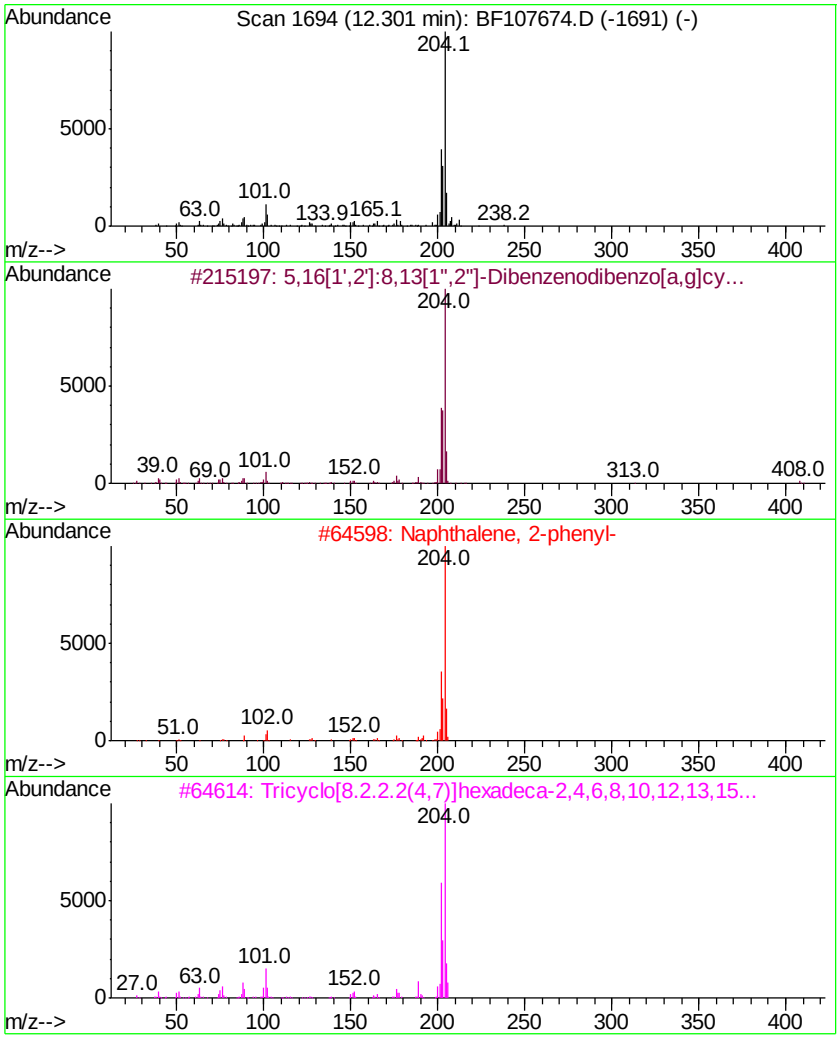
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

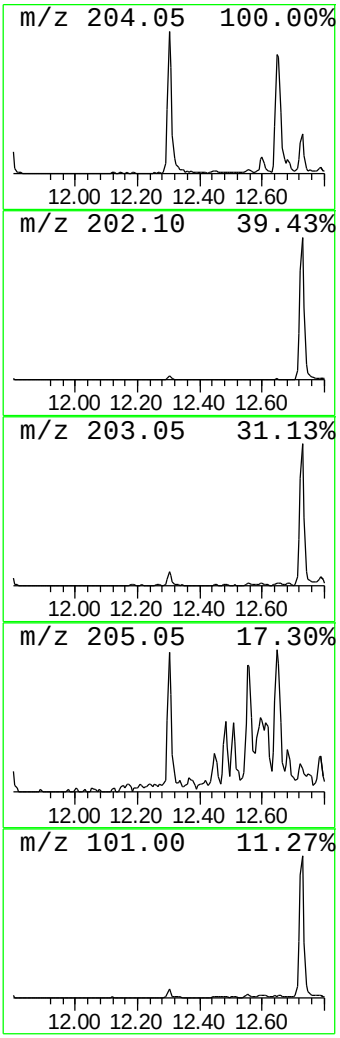
****

Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	4.16 ng	255414	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





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Operator : JU/SJ
Sample : J4031-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-10

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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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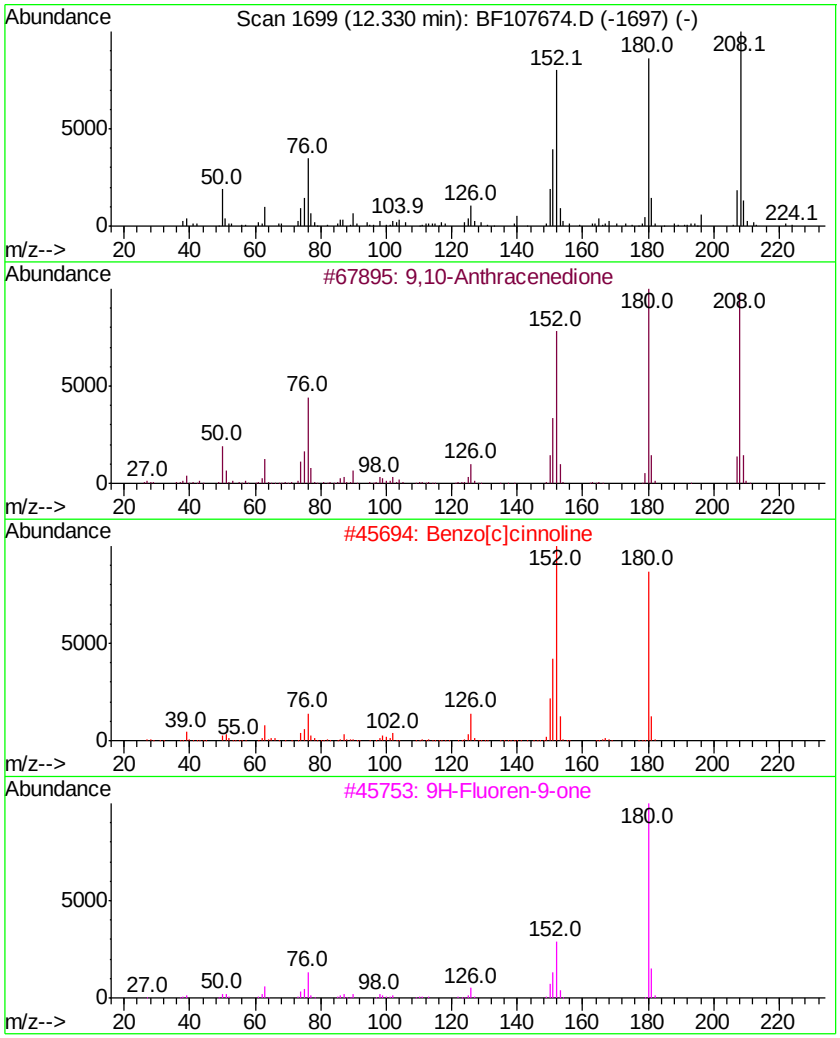
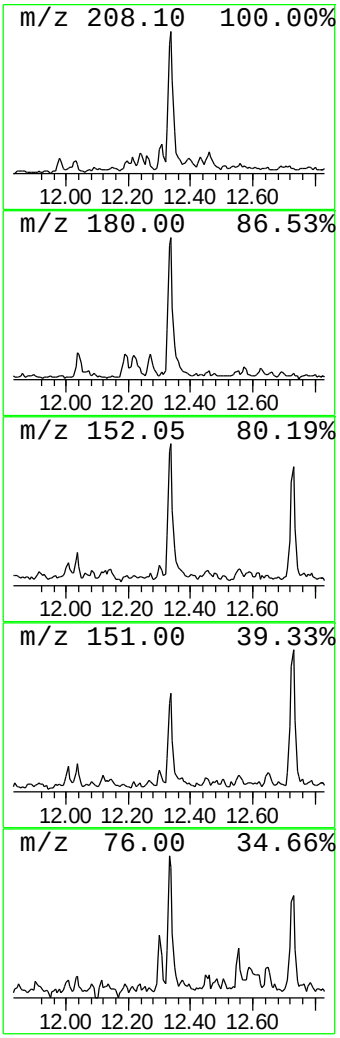
Peak Number 8 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	3.03 ng	186166	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





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

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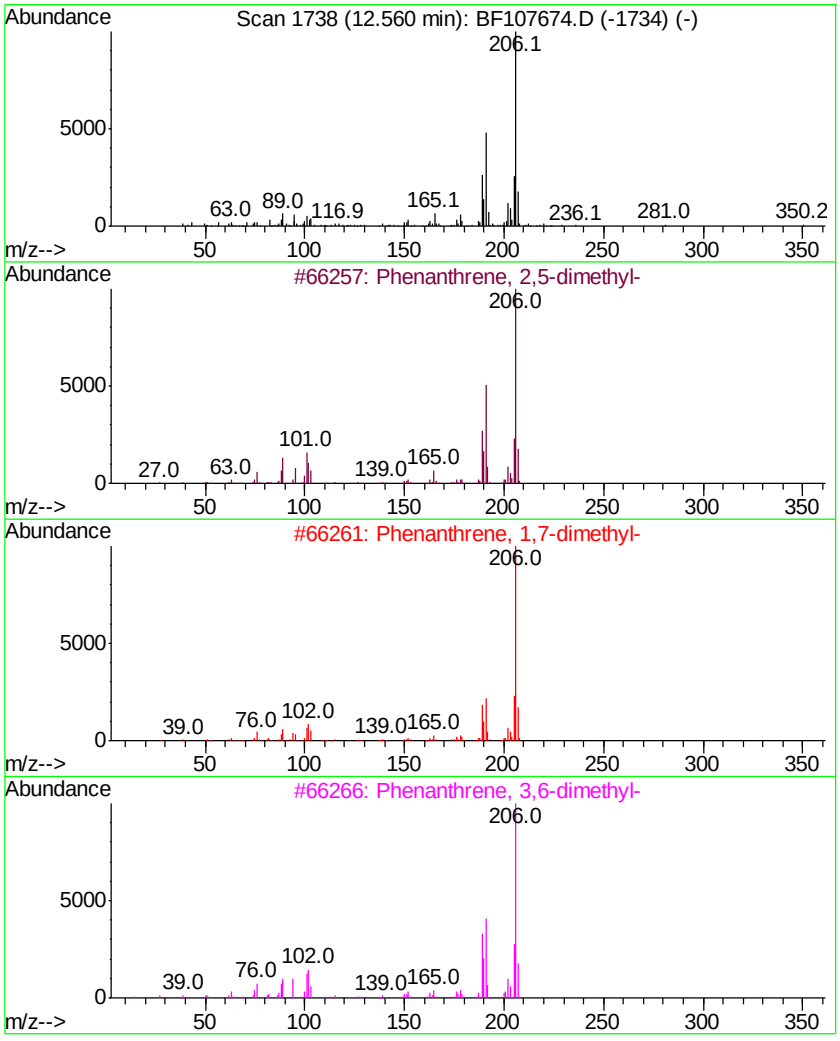
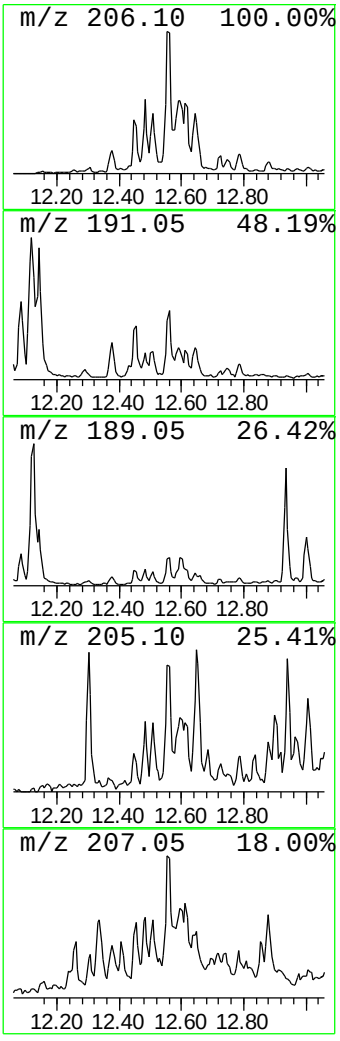
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	4.51 ng	277118	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	86





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TIC Integration Parameters: LSCINT.P

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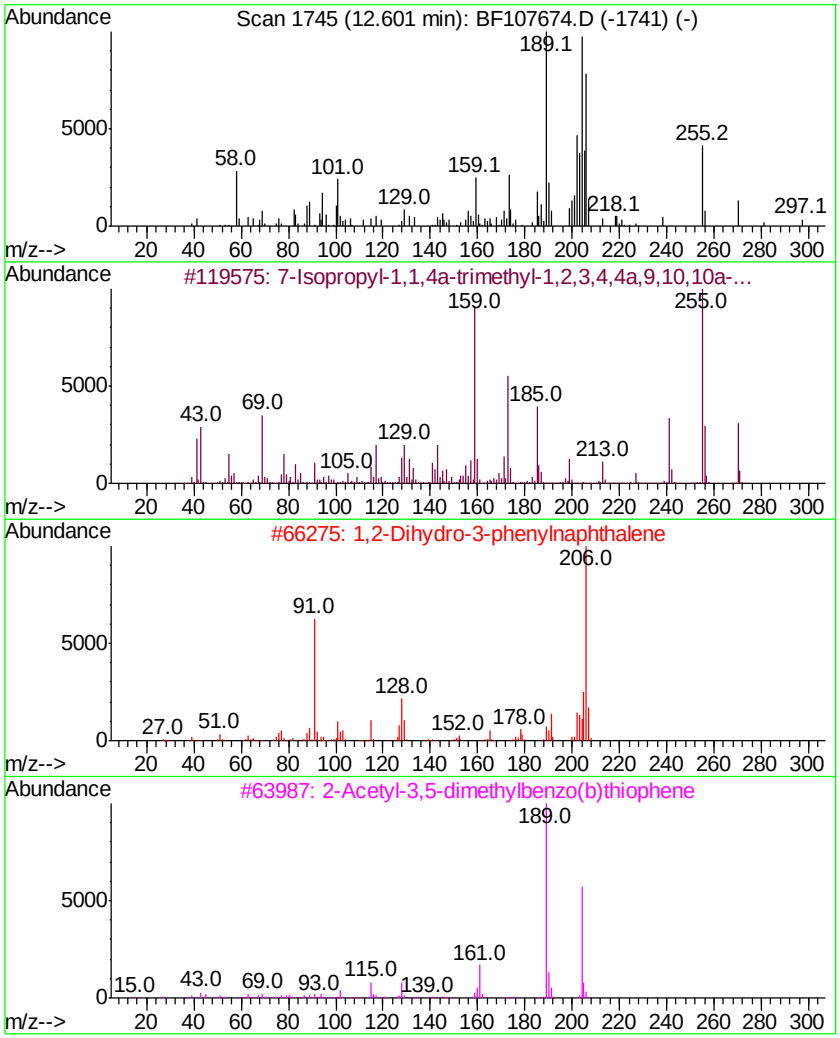
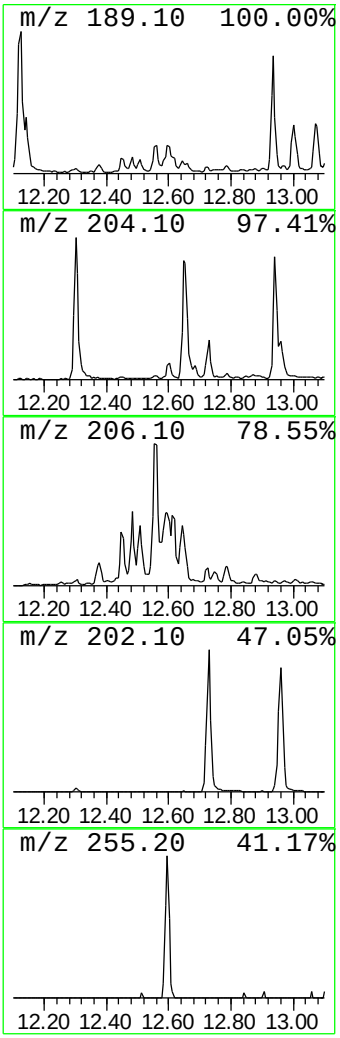
Peak Number 10 7-Isopropyl-1,1,4a-trimethy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	3.50 ng	214999	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	90
2	1,2-Dihydro-3-phenylnaphthalene	206	C16H14	020669-52-7	20
3	2-Acetyl-3,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-05-1	18
4	Dihydrocoumarin, 4,4,5,7-tetrame...	204	C13H16O2	040662-14-4	18
5	2-Acetyl-3,7-dimethylbenzo(b)thi...	204	C12H12OS	006179-06-2	18





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TIC Library : C:\DATABASE\NIST11.L
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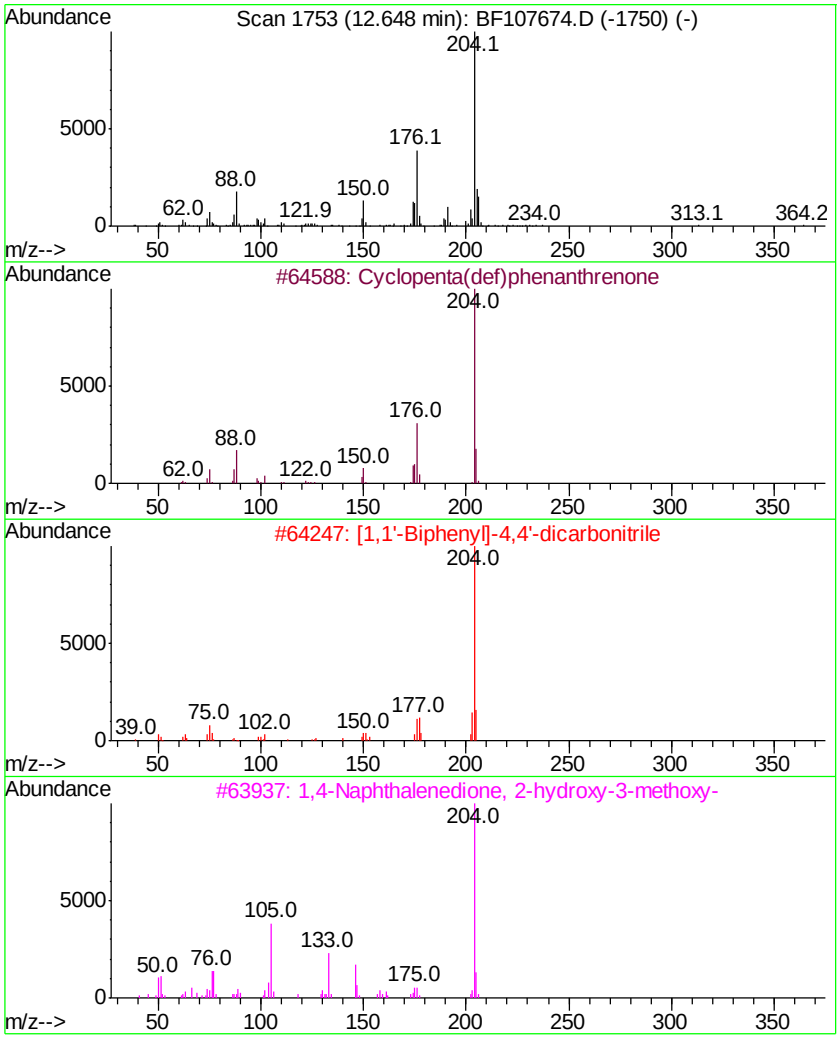
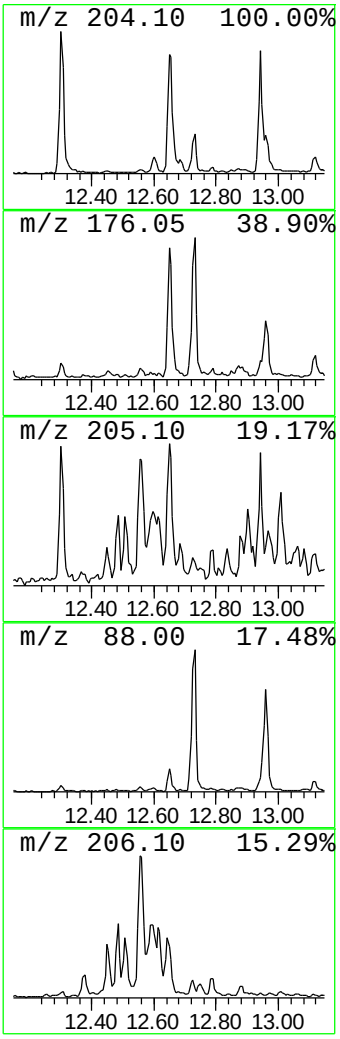
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	4.84 ng	296967	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	1,4-Naphthalenedione, 2-hydroxy-...	204	C11H8O4	005257-83-0	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45





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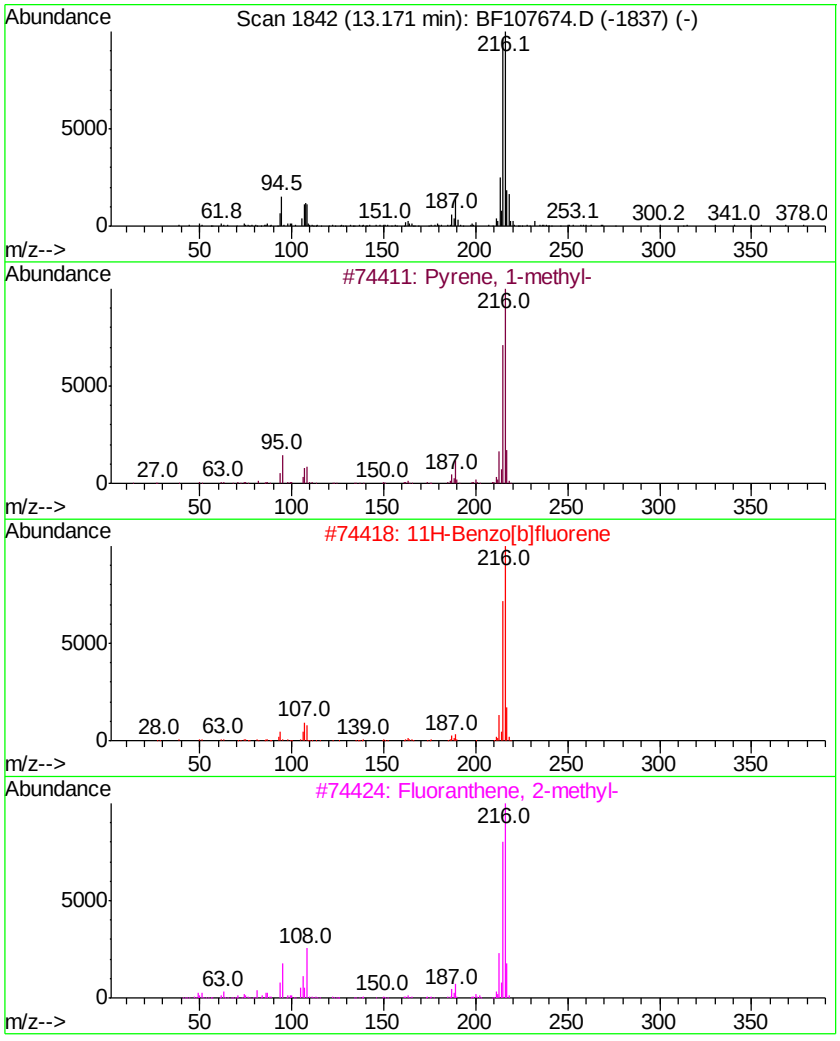
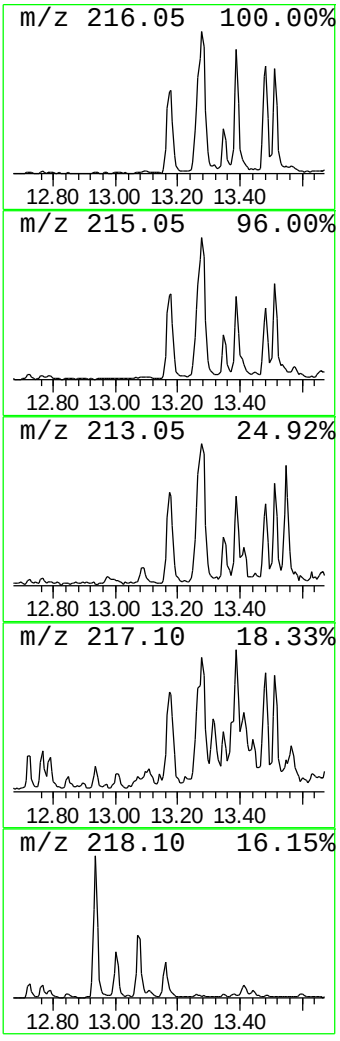
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	3.37 ng	452163	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68





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TIC Library : C:\DATABASE\NIST11.L
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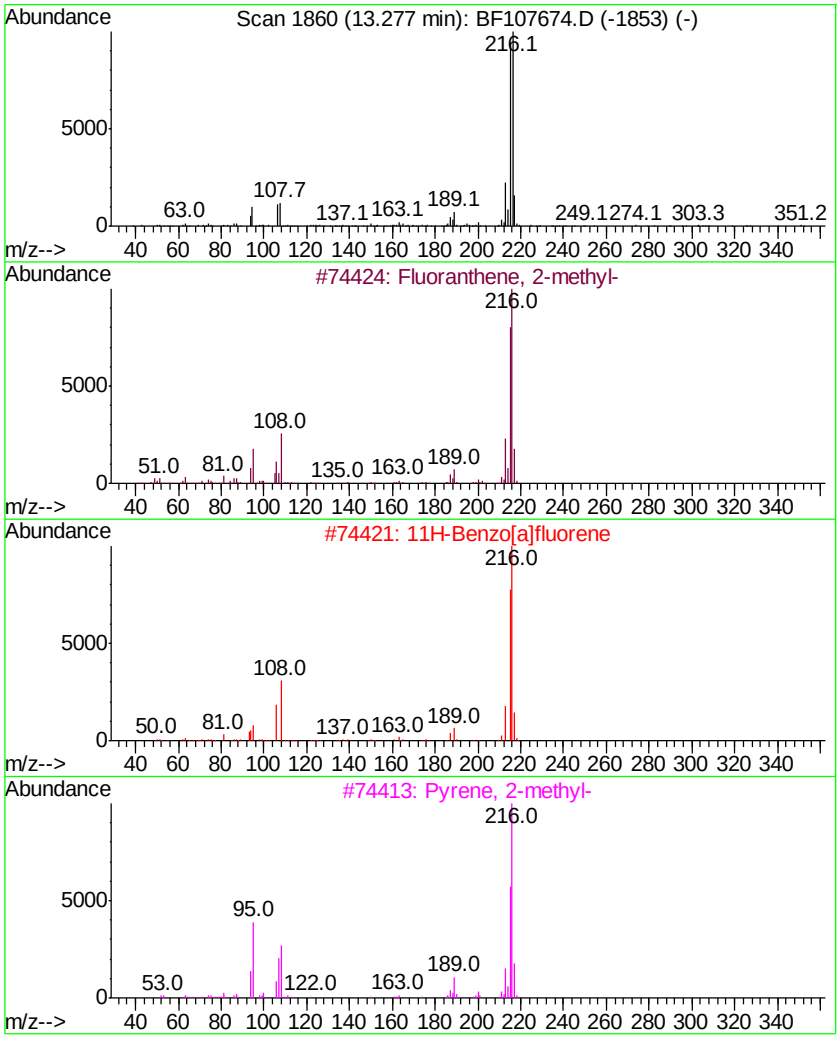
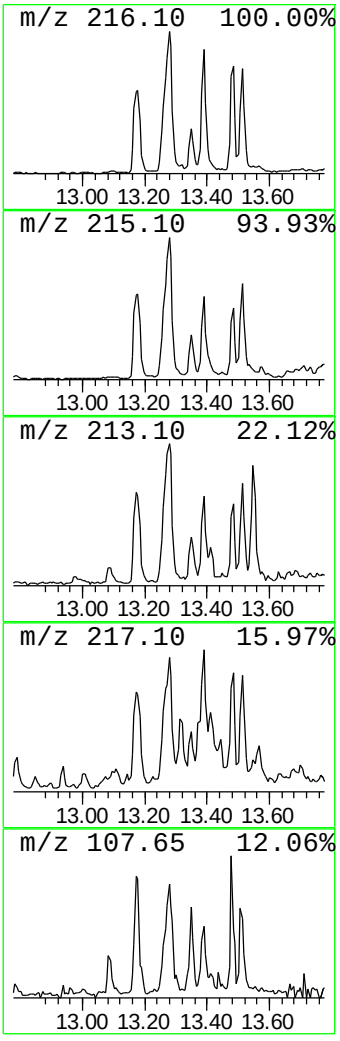
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	5.59 ng	748868	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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

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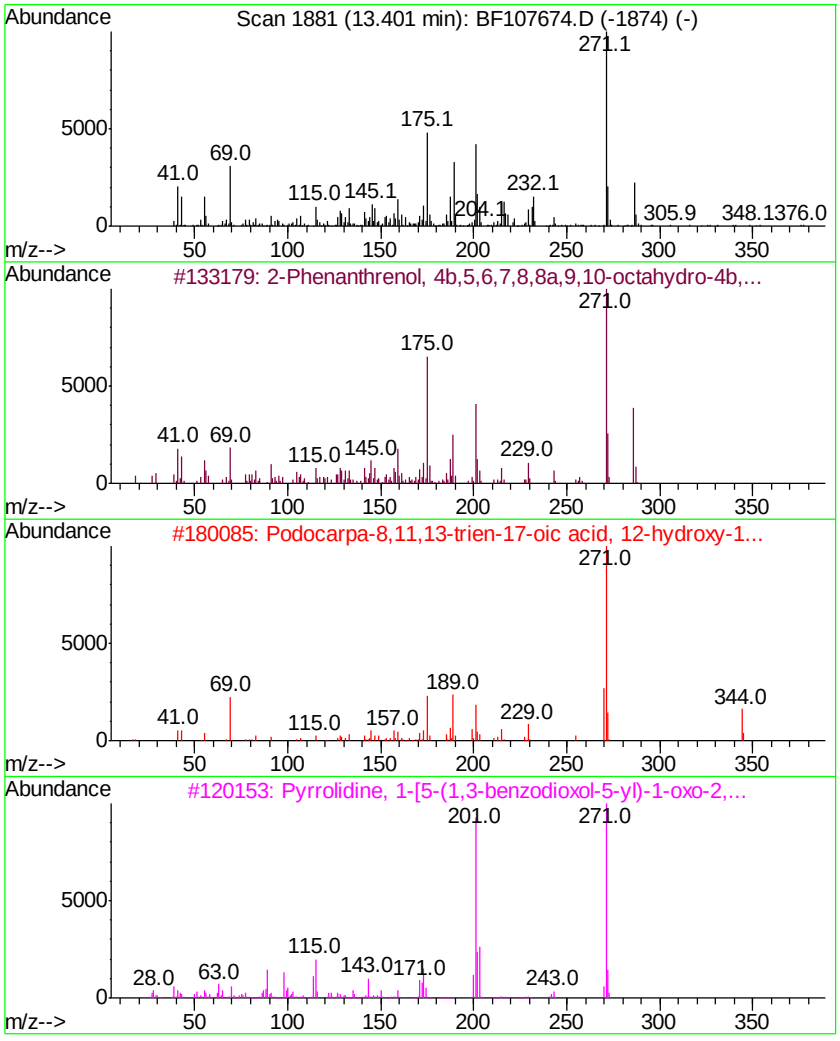
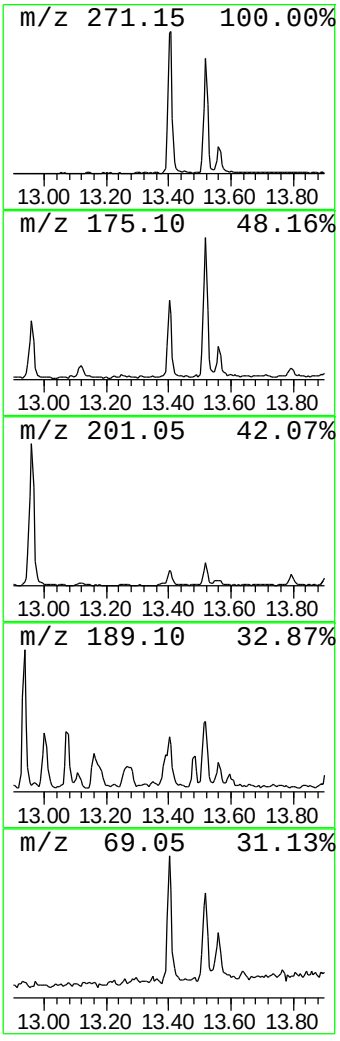
Peak Number 14 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	8.84 ng	1184510	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	70
2	Podocarpa-8,11,13-trien-17-oic a...	344	C22H32O3	024067-43-4	43
3	Pyrrolidine, 1-[5-(1,3-benzodiox...	271	C16H17NO3	025924-78-1	43
4	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	328	C22H32O2	015340-82-6	37
5	6H-Indeno[1,2-d][1,2,4]-triazolo...	271	C16H9N5	1000286-52-6	35





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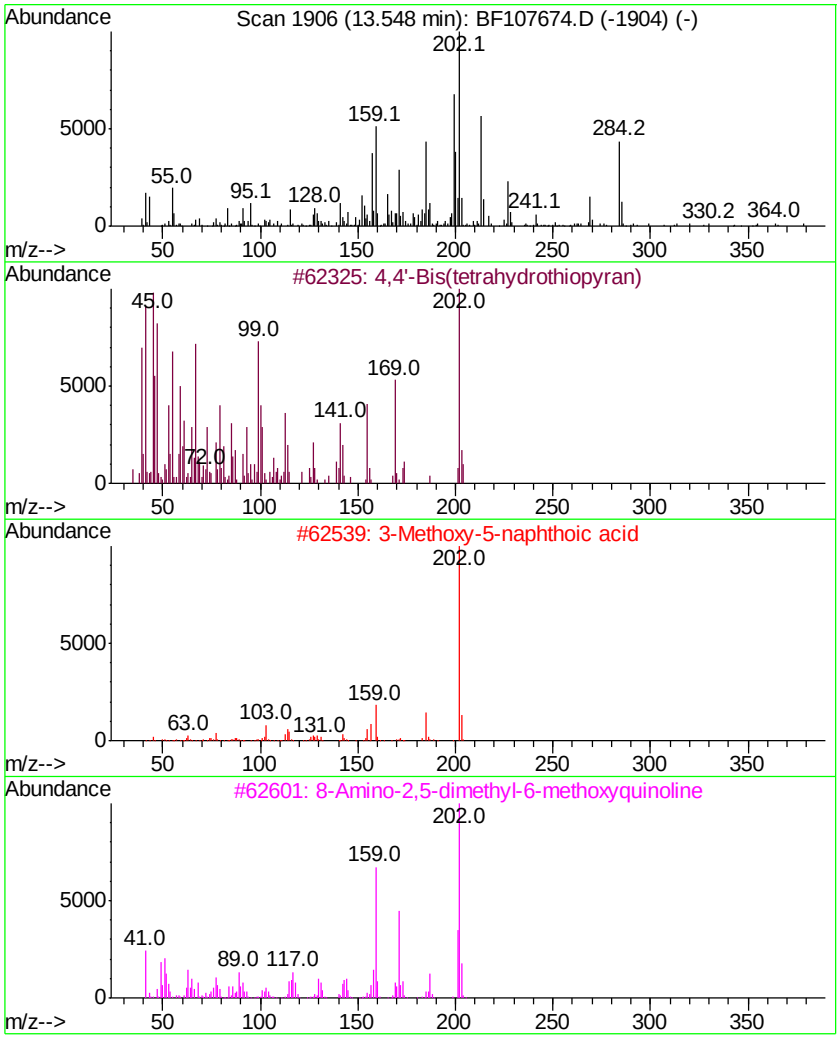
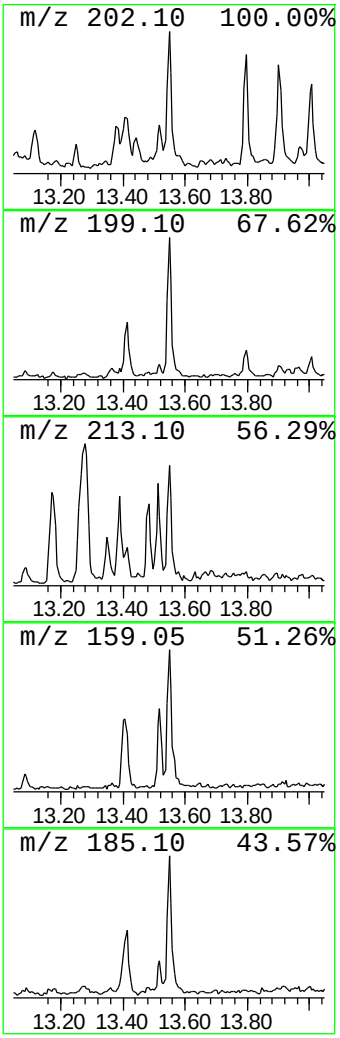
Peak Number 16 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	5.38 ng	720747	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	90
2	3-Methoxy-5-naphthoic acid	202	C12H10O3	007498-58-0	30
3	8-Amino-2,5-dimethyl-6-methoxyqu...	202	C12H14N2O	1000214-69-9	30
4	Phosphine, heptyldiphenyl-	284	C19H25P	077423-30-4	27
5	4-Methoxy-naphthalene-1-carboxyl...	202	C12H10O3	1000317-85-4	22





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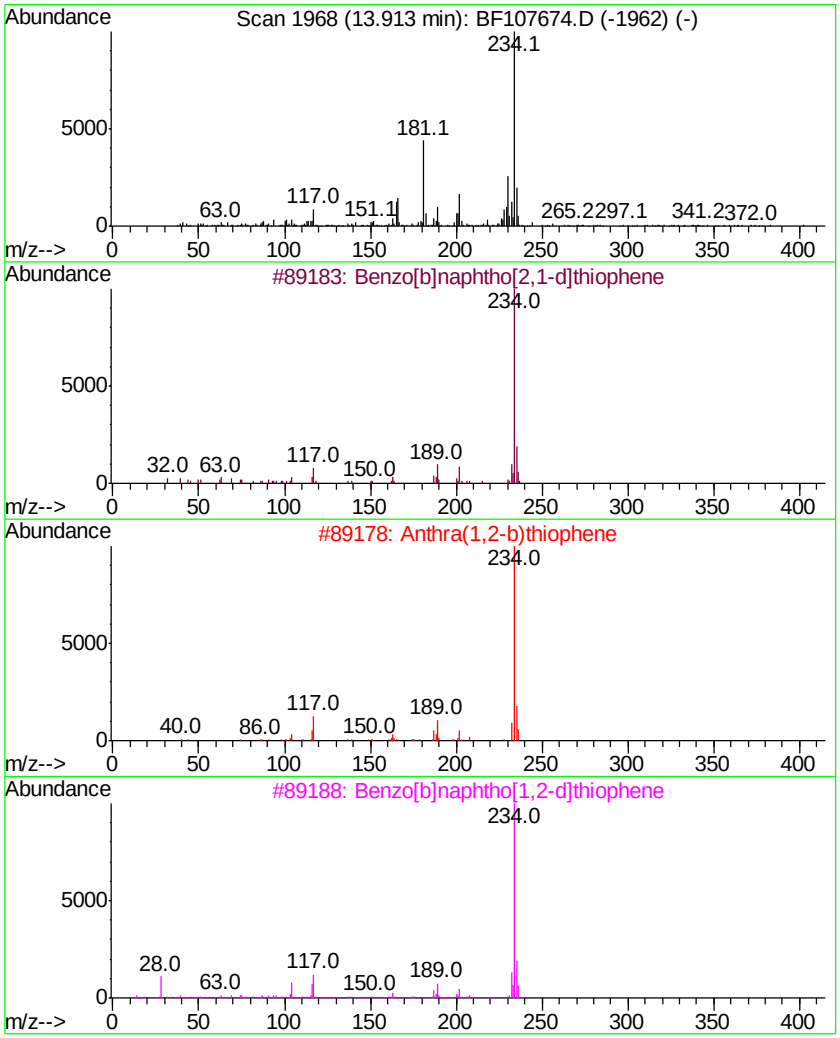
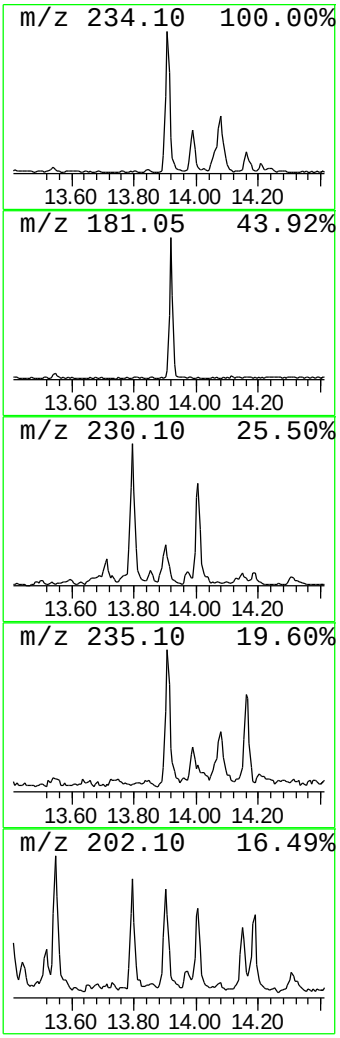
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	4.54 ng	608507	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	93
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	83
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	58
5	Benzene, 1,1'-(2-cyclohexen-1-yl...	234	C18H18	031158-25-5	43





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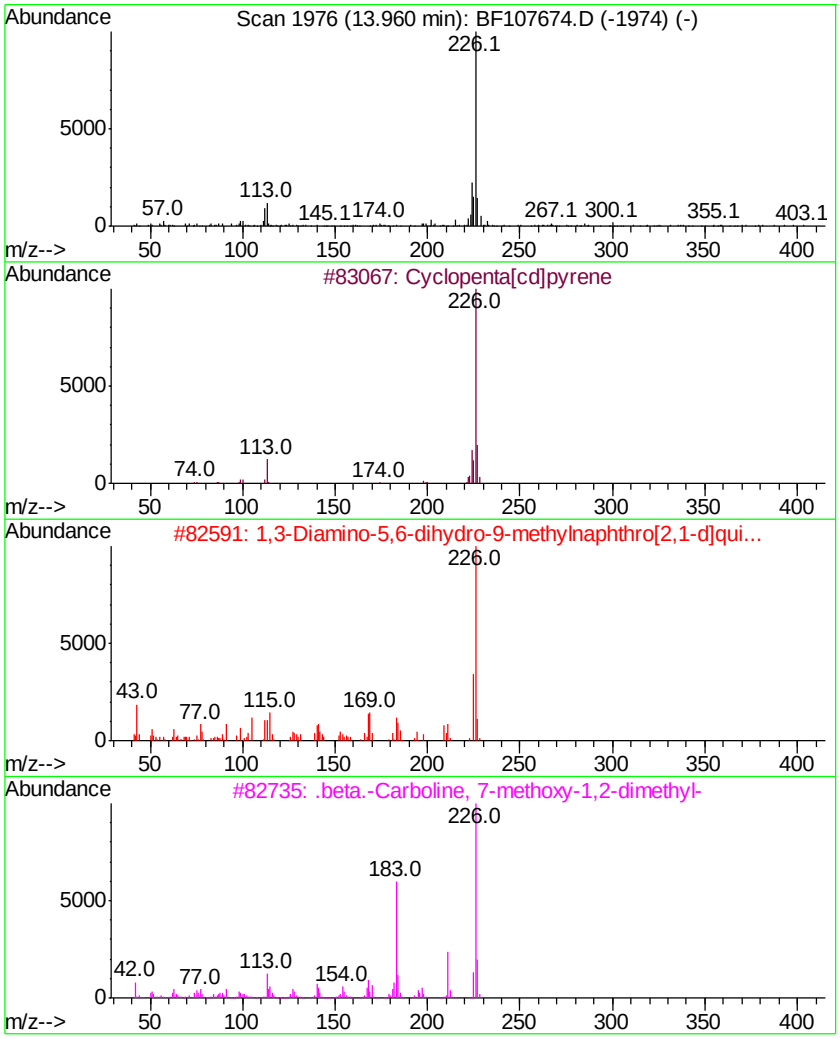
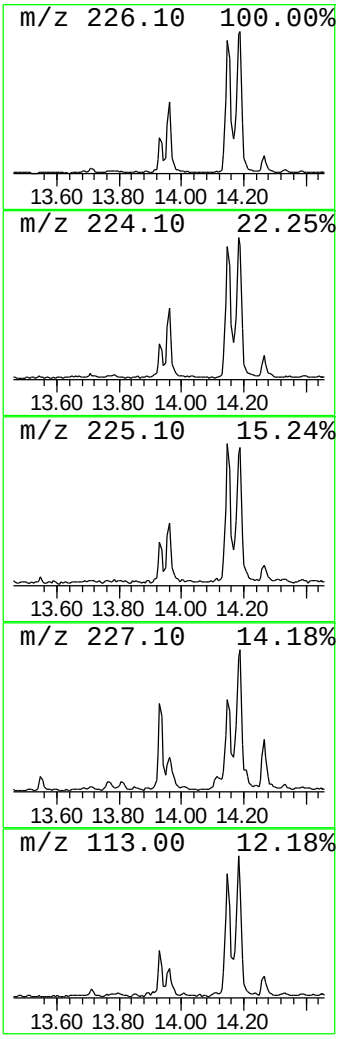
Peak Number 18 Cyclopenta[cd]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	3.83 ng	513741	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	42
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	42
4	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	42
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	40





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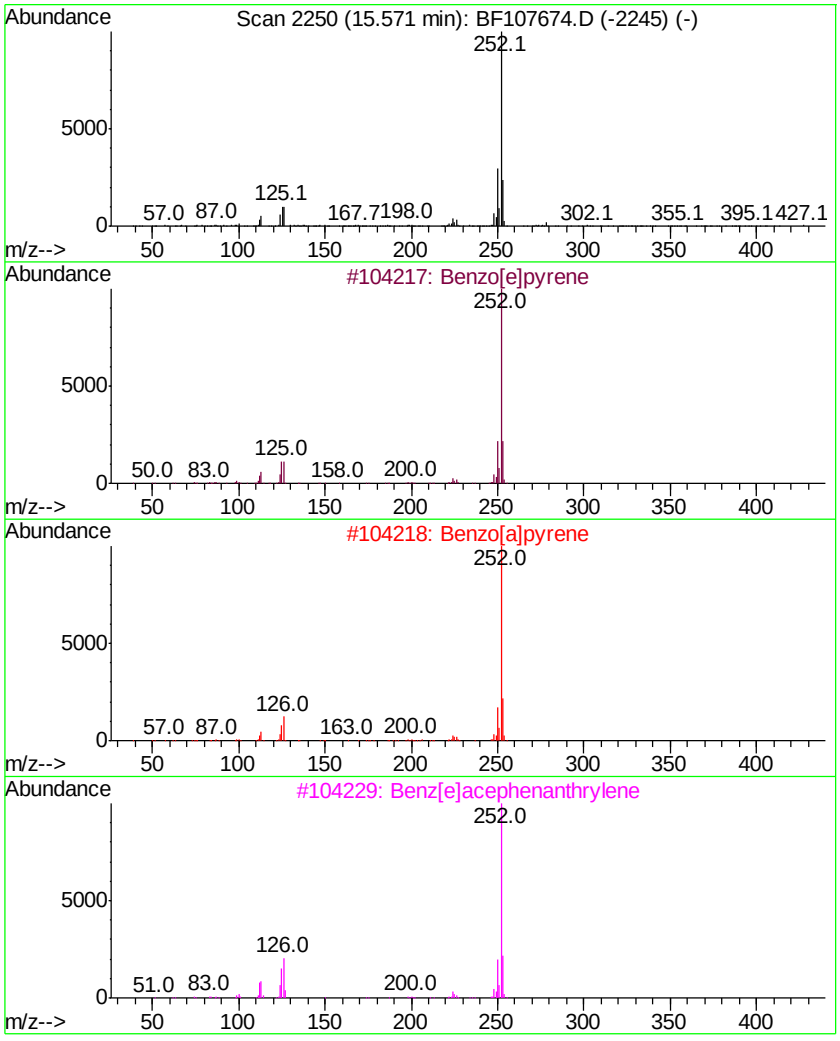
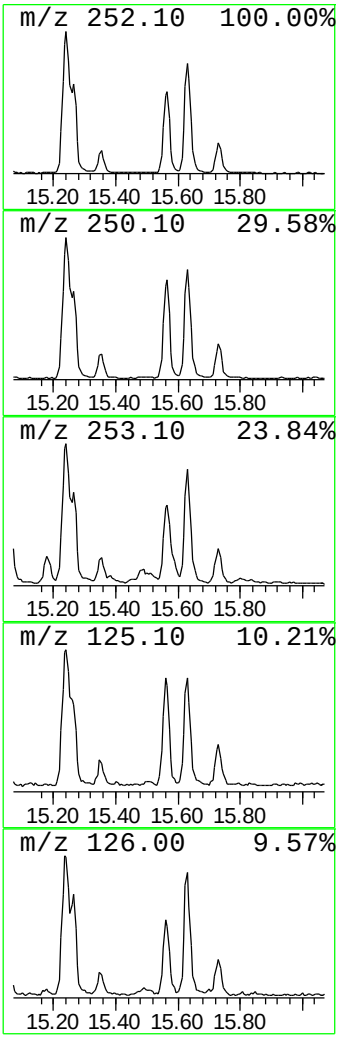
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	22.36 ng	778544	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072518\
Data File : BF107674.D
Acq On : 25 Jul 2018 22:59
Operator : JU/SJ
Sample : J4031-10 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-10

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
unknown6.74	6.74	13.0	ng	721557	1	6.97	1112690	20.0
Phenanthrene, 2-m...	12.01	5.8	ng	355403	4	11.51	1228280	20.0
Phenanthrene, 1-m...	12.04	8.0	ng	493740	4	11.51	1228280	20.0
4H-Cyclopenta[def...	12.12	8.8	ng	542285	4	11.51	1228280	20.0
Anthracene, 9-met...	12.14	3.0	ng	187585	4	11.51	1228280	20.0
5,16[1',2']:8,13[...	12.30	4.2	ng	255414	4	11.51	1228280	20.0
9,10-Anthracenedione	12.33	3.0	ng	186166	4	11.51	1228280	20.0
Phenanthrene, 2,5...	12.56	4.5	ng	277118	4	11.51	1228280	20.0
7-Isopropyl-1,1,4...	12.60	3.5	ng	214999	4	11.51	1228280	20.0
Cyclopenta(def)ph...	12.65	4.8	ng	296967	4	11.51	1228280	20.0
Pyrene, 1-methyl-	13.17	3.4	ng	452163	5	14.16	2681280	20.0
Fluoranthene, 2-m...	13.28	5.6	ng	748868	5	14.16	2681280	20.0
2-Phenanthrenol, ...	13.40	8.8	ng	1184510	5	14.16	2681280	20.0
4,4'-Bis(tetrahyd...	13.55	5.4	ng	720747	5	14.16	2681280	20.0
Benzo[b]naphtho[2...	13.91	4.5	ng	608507	5	14.16	2681280	20.0
Cyclopenta[cd]pyrene	13.96	3.8	ng	513741	5	14.16	2681280	20.0
Benzo[e]pyrene	15.57	22.4	ng	778544	6	15.70	696427	20.0