LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107666.D
Acq On : 25 Jul 2018 19:23
Operator : JU/SJ
Sample : J4031-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-1

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	495	rBV	118476	132807	4.43%	0.333%
2	5.596	550	554	569	rBV	373082	712218	23.73%	1.786%
3	6.595	721	724	744	rBV	434308	897591	29.91%	2.251%
4	6.737	744	748	771	rVB	767268	1036828	34.55%	2.600%
5	6.966	783	787	810	rBV	980527	1211239	40.36%	3.037%
6	7.119	810	813	828	rVV	731006	769584	25.64%	1.930%
7	7.531	879	883	903	rBV	305519	569423	18.97%	1.428%
8	8.248	1001	1005	1030	rBV	1440271	1674501	55.80%	4.199%
9	8.966	1123	1127	1134	rBV	22826	30812	1.03%	0.077%
10	9.319	1184	1187	1196	rBV	1115497	1095931	36.52%	2.748%
11	9.595	1230	1234	1237	rBV	22706	30480	1.02%	0.076%
12	9.660	1241	1245	1248	rVV	36883	41881	1.40%	0.105%
13	9.713	1252	1254	1262	rVB	77371	82245	2.74%	0.206%
14	9.872	1277	1281	1286	rBV	84815	96267	3.21%	0.241%
15	10.007	1300	1304	1308	rBV2	1586903	1493617	49.77%	3.745%
16	10.042	1308	1310	1318	rVB	180062	173979	5.80%	0.436%
17	10.213	1334	1339	1342	rBV2	58309	73307	2.44%	0.184%
18	10.248	1342	1345	1349	rVB2	34052	37948	1.26%	0.095%
19	10.319	1353	1357	1360	rBV	34329	36757	1.22%	0.092%
20	10.419	1369	1374	1378	rBV5	34864	50489	1.68%	0.127%
21	10.560	1394	1398	1404	rBV	152281	167482	5.58%	0.420%
22	10.713	1422	1424	1428	rVB	61569	50207	1.67%	0.126%
23	10.801	1435	1439	1452	rBV	553973	689252	22.97%	1.728%
24	10.901	1452	1456	1458	rBV2	27834	42173	1.41%	0.106%
25	11.107	1485	1491	1493	rBV	71800	97192	3.24%	0.244%
26	11.230	1507	1512	1514	rBV3	43068	56992	1.90%	0.143%
27	11.254	1514	1516	1522	rVV2	49081	63849	2.13%	0.160%
28	11.307	1522	1525	1528	rVV3	47037	56585	1.89%	0.142%
29	11.342	1528	1531	1535	rVV3	66875	83529	2.78%	0.209%
30	11.401	1538	1541	1546	rVB	106868	110240	3.67%	0.276%
31	11.501	1554	1558	1560	rBV	1340197	1346053	44.85%	3.375%
32	11.530	1560	1563	1568	rVV	1954284	2020610	67.33%	5.067%
33	11.578	1568	1571	1582	rVB	520091	675256	22.50%	1.693%
34	11.742	1593	1599	1602	rBV3	77113	118036	3.93%	0.296%

LSC Area Percent Report

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Acq On : 25 Jul 2018 19:23
Operator : JU/SJ
Sample : J4031-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-1

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	11.795	1605	1608	1612	rVV	57248	53450	1.78%	0.134%
36	11.836	1612	1615	1619	rVV2	55640	61579	2.05%	0.154%
37	11.919	1626	1629	1632	rVB	33322	41413	1.38%	0.104%
38	12.001	1640	1643	1646	rBV	273915	298086	9.93%	0.747%
39	12.030	1646	1648	1653	rVV	336626	360267	12.00%	0.903%
40	12.083	1653	1657	1660	rVV	142729	164760	5.49%	0.413%
41	12.119	1660	1663	1665	rVV2	488427	547008	18.23%	1.372%
42	12.142	1665	1667	1671	rVB	211926	204106	6.80%	0.512%
43	12.177	1671	1673	1677	rBV5	32816	39976	1.33%	0.100%
44	12.301	1690	1694	1697	rBV	204266	224951	7.50%	0.564%
45	12.330	1697	1699	1704	rVB2	115958	124565	4.15%	0.312%
46	12.448	1717	1719	1722	rVB	51616	38537	1.28%	0.097%
47	12.477	1722	1724	1726	rBV	60134	43406	1.45%	0.109%
48	12.507	1726	1729	1733	rVB	47939	50486	1.68%	0.127%
49	12.554	1733	1737	1740	rBV	180021	214924	7.16%	0.539%
50	12.595	1741	1744	1746	rVV3	90669	106534	3.55%	0.267%
51	12.648	1749	1753	1757	rBV3	120044	163895	5.46%	0.411%
52	12.725	1762	1766	1771	rBV	3031199	3001156	100.00%	7.525%
53	12.783	1774	1776	1779	rVB	54241	45127	1.50%	0.113%
54	12.877	1789	1792	1798	rVB2	112496	160685	5.35%	0.403%
55	12.954	1802	1805	1810	rVV	2463497	2720753	90.66%	6.822%
56	13.001	1810	1813	1817	rVB	135060	161768	5.39%	0.406%
57	13.083	1822	1827	1830	rBV2	910789	920607	30.68%	2.308%
58	13.166	1837	1841	1846	rBV3	177934	308448	10.28%	0.773%
59	13.277	1857	1860	1865	rVB	384584	427455	14.24%	1.072%
60	13.348	1869	1872	1874	rVV	299252	298155	9.93%	0.748%
61	13.383	1874	1878	1881	rVV2	260357	322311	10.74%	0.808%
62	13.436	1885	1887	1891	rVB2	51934	56994	1.90%	0.143%
63	13.477	1891	1894	1896	rBV	139394	115532	3.85%	0.290%
64	13.507	1896	1899	1905	rVB2	145431	171881	5.73%	0.431%
65	13.760	1940	1942	1945	rBV3	99734	117650	3.92%	0.295%
66	13.789	1945	1947	1952	rVB	176302	191097	6.37%	0.479%
67	13.901	1963	1966	1969	rBV2	217730	254990	8.50%	0.639%
68	13.930	1969	1971	1973	rVV	223523	194088	6.47%	0.487%
69	13.954	1973	1975	1980	rVV2	201625	350980	11.69%	0.880%
70	14.001	1980	1983	1986	rVB	166340	183326	6.11%	0.460%
71	14.148	2004	2008	2012	rBV2	1673209	2764259	92.11%	6.931%

LSC Area Percent Report

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Sample : J4031-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-1

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	14.183	2012	2014	2020	rVB	1377519	1262395	42.06%	3.165%
73	14.260	2025	2027	2030	rBV	280634	276200	9.20%	0.693%
74	14.501	2066	2068	2070	rBV	100796	111555	3.72%	0.280%
75	14.542	2072	2075	2077	rVV	187316	220055	7.33%	0.552%
76	14.666	2094	2096	2098	rBV	94091	90626	3.02%	0.227%
77	14.689	2098	2100	2104	rVB	161178	168301	5.61%	0.422%
78	15.236	2188	2193	2196	rBV	955940	1751649	58.37%	4.392%
79	15.348	2209	2212	2217	rVB	223285	241816	8.06%	0.606%
80	15.560	2243	2248	2254	rBV	587756	818462	27.27%	2.052%
81	15.624	2254	2259	2264	rBV	919322	1293879	43.11%	3.244%
82	15.695	2266	2271	2274	rBV	620142	907501	30.24%	2.276%
83	17.271	2533	2539	2548	rVB2	360516	833912	27.79%	2.091%
84	17.748	2615	2620	2629	rVB	245652	573196	19.10%	1.437%

Sum of corrected areas: 39880112

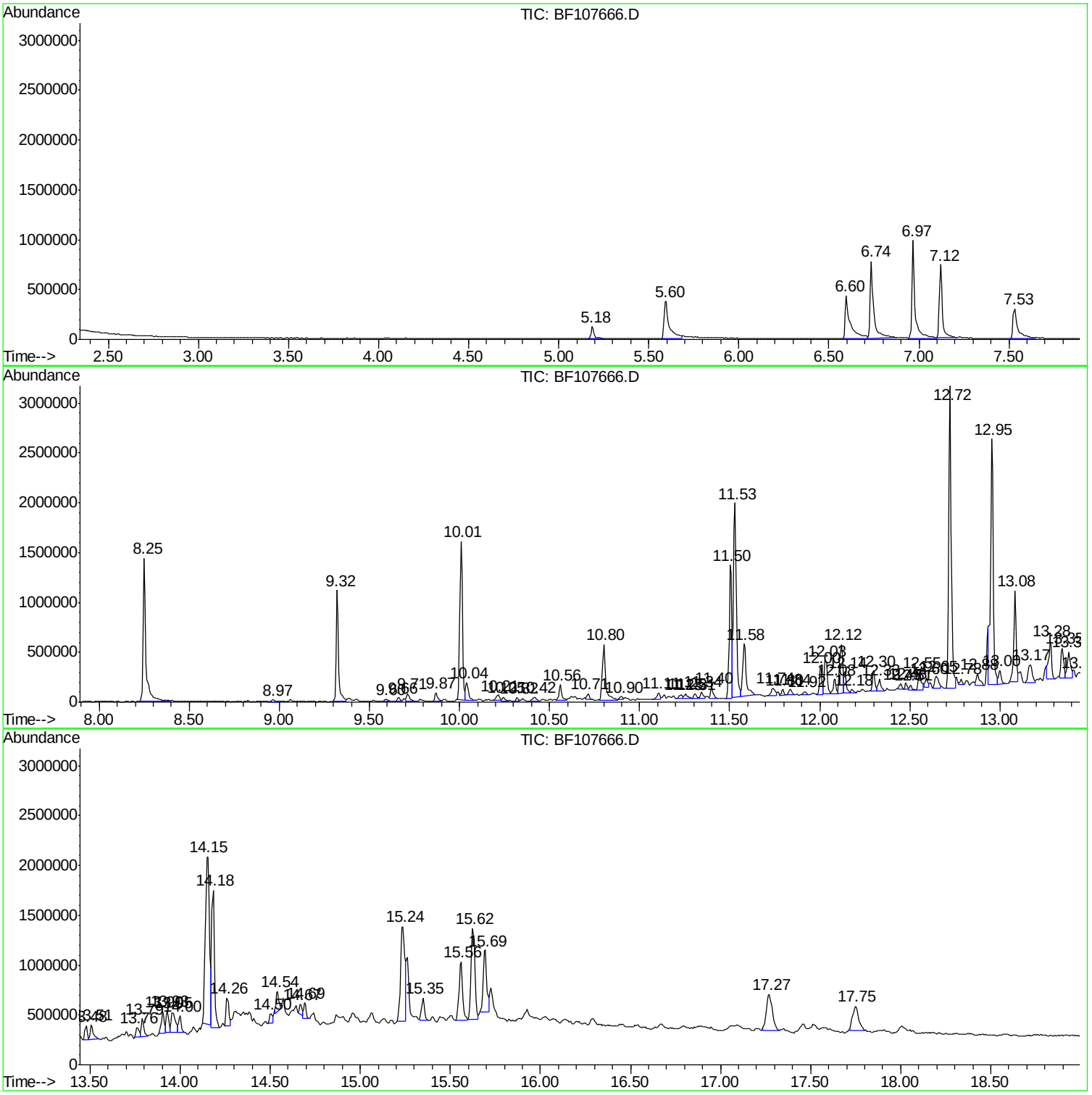
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107666.D
Acq On : 25 Jul 2018 19:23
Operator : JU/SJ
Sample : J4031-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-1

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 : BF107666.D
Acq On : 25 Jul 2018 19:23
Operator : JU/SJ
Sample : J4031-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-1

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

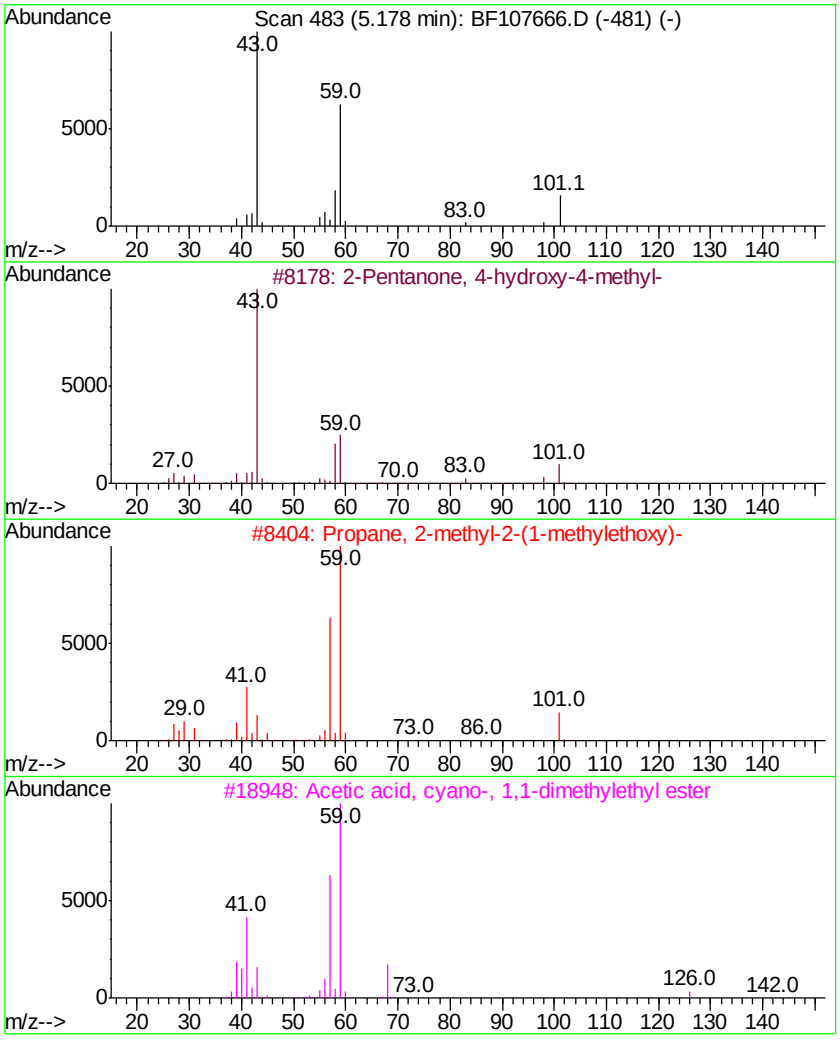
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

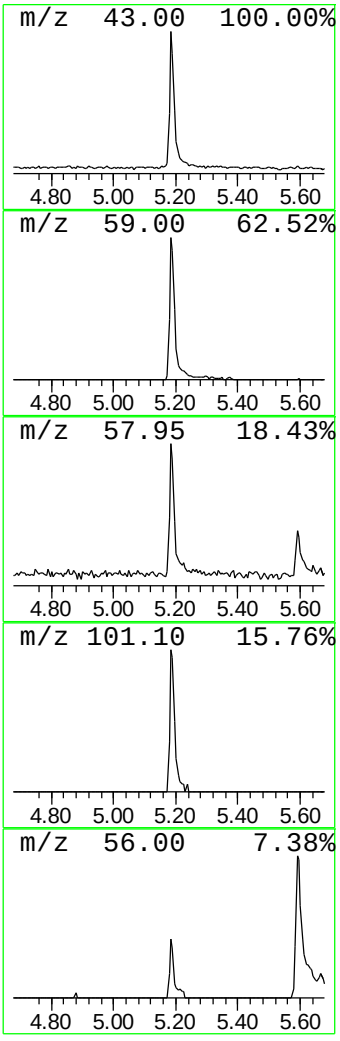
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	2.19 ng	132807	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107666.D
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Sample : J4031-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-1

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

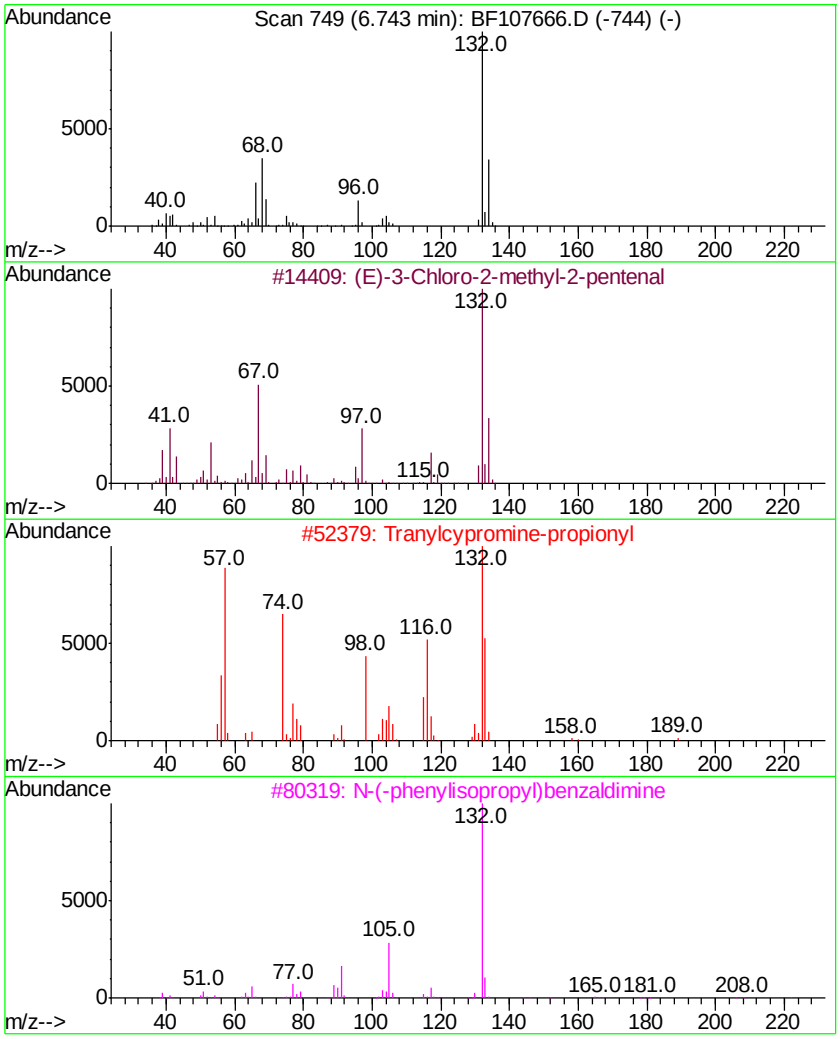
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

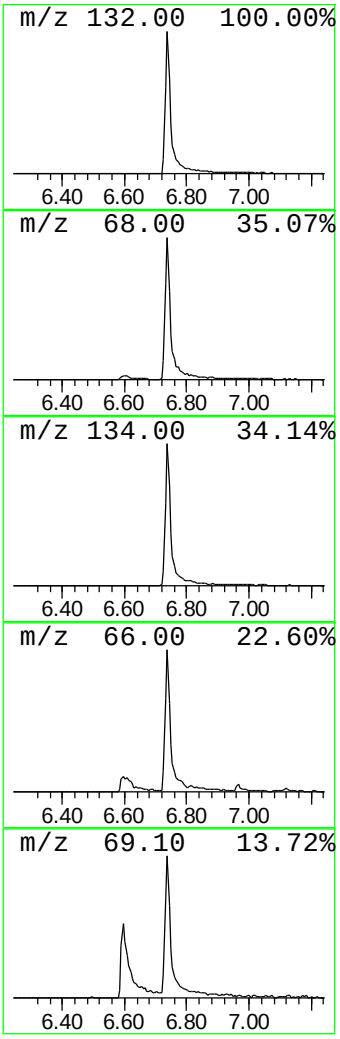
****

Peak Number 2 unknown6.74 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	17.12 ng	1036830	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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	N-(-phenylisopropyl)benzaldimine	223	C16H17N	1000379-01-3	12
4	Benzeneethanamine, .alpha.-methy...	223	C16H17N	002980-02-1	12
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Instrument : BNA_F
ClientSampleId : PLANTER-DOC-1

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
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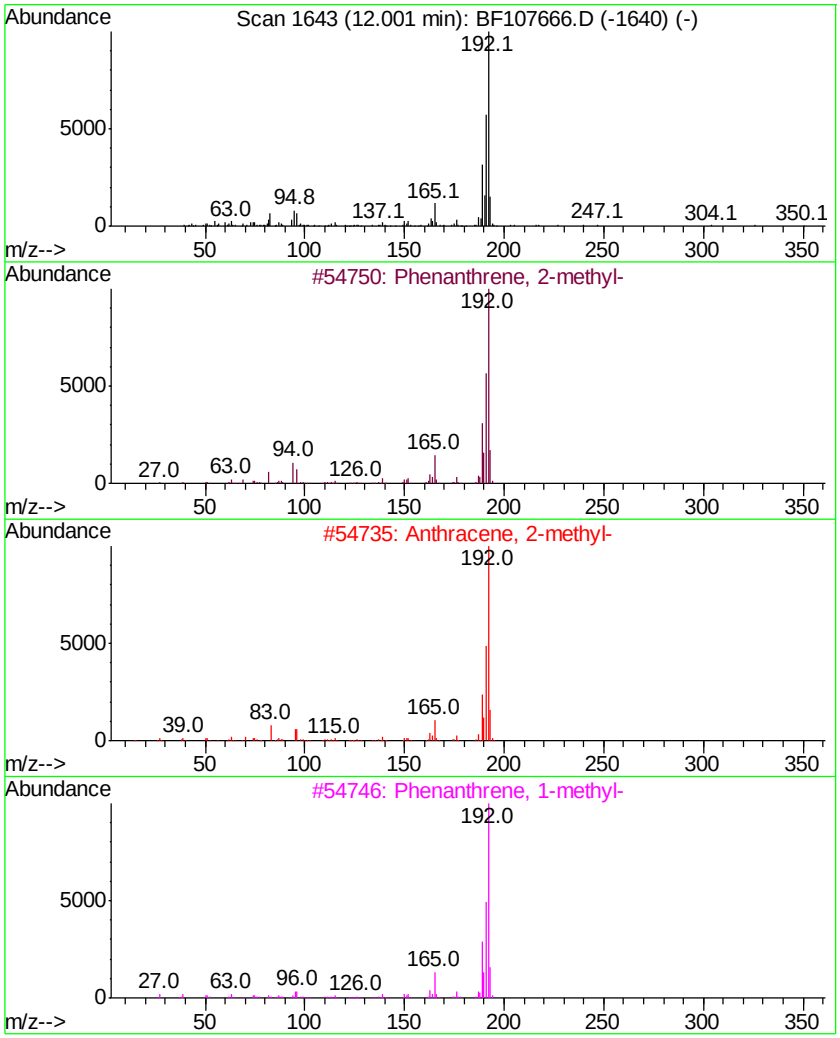
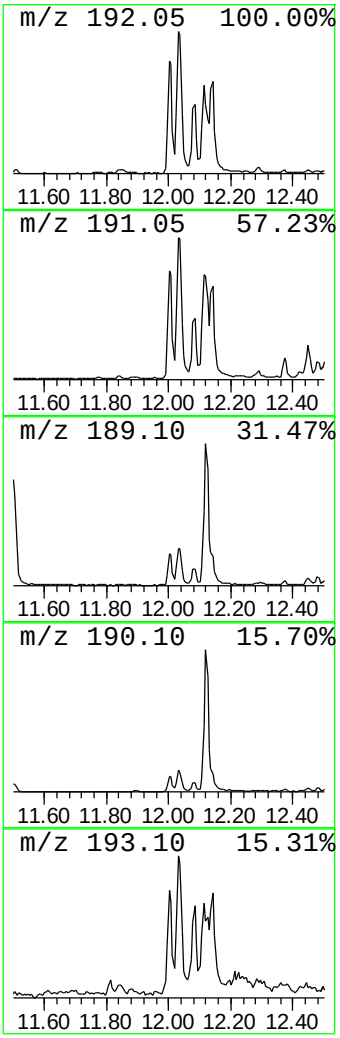
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.43 ng	298086	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Misc :
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Instrument : BNA_F
ClientSampleId : PLANTER-DOC-1

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

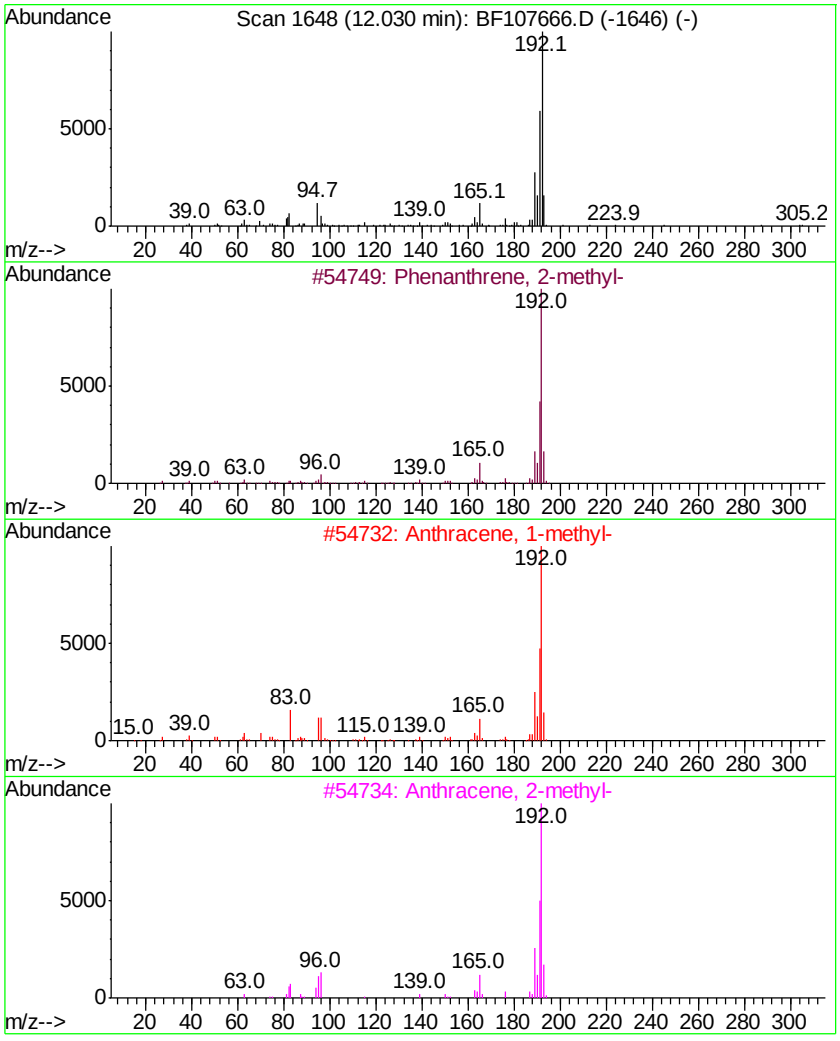
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

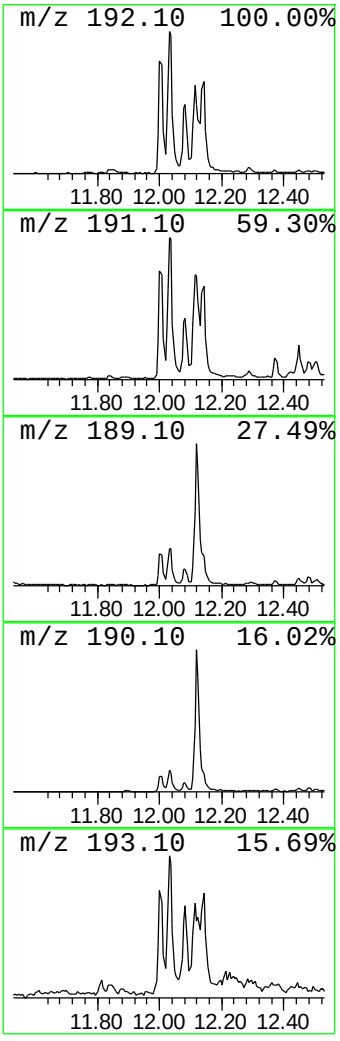
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	5.35 ng	360267	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





Library Search Compound Report

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Data File : BF107666.D
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-1

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

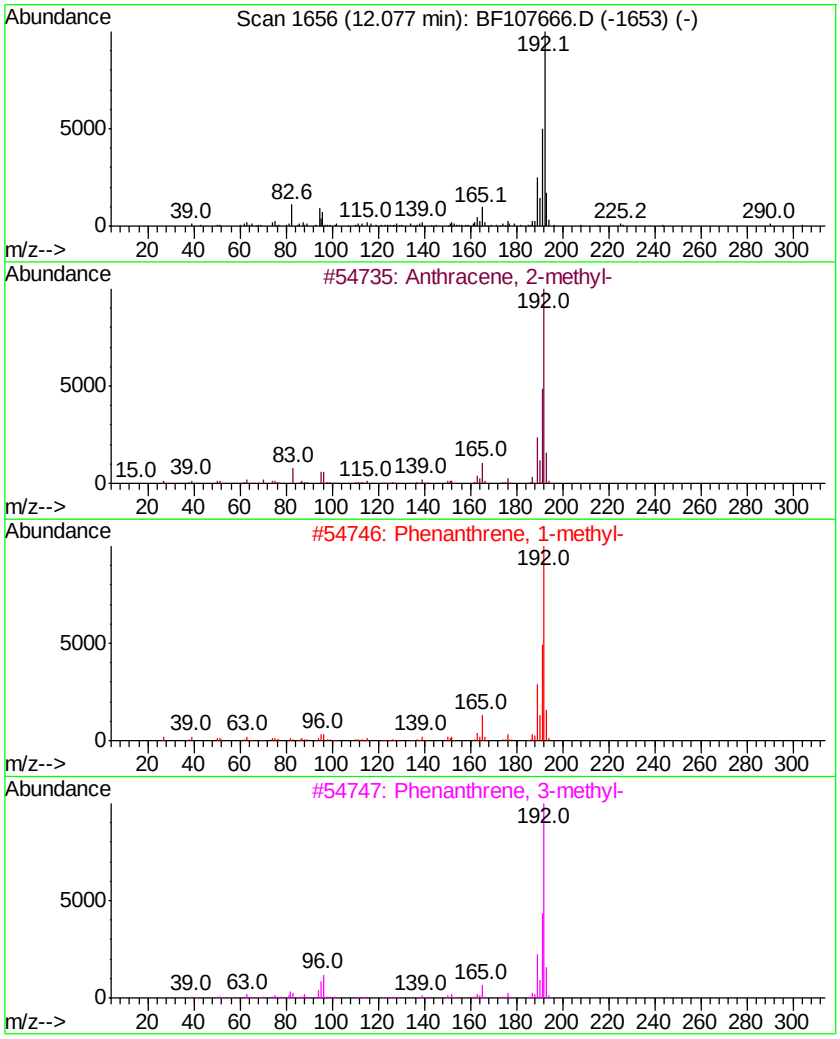
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

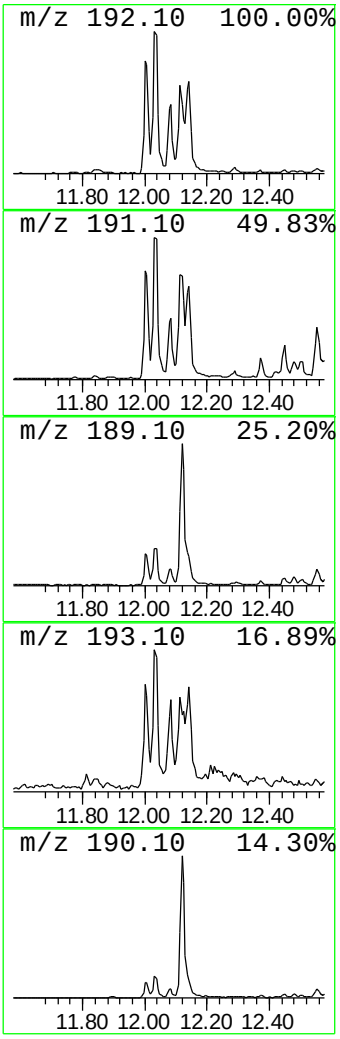
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	2.45 ng	164760	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107666.D
Acq On : 25 Jul 2018 19:23
Operator : JU/SJ
Sample : J4031-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : PLANTER-DOC-1

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

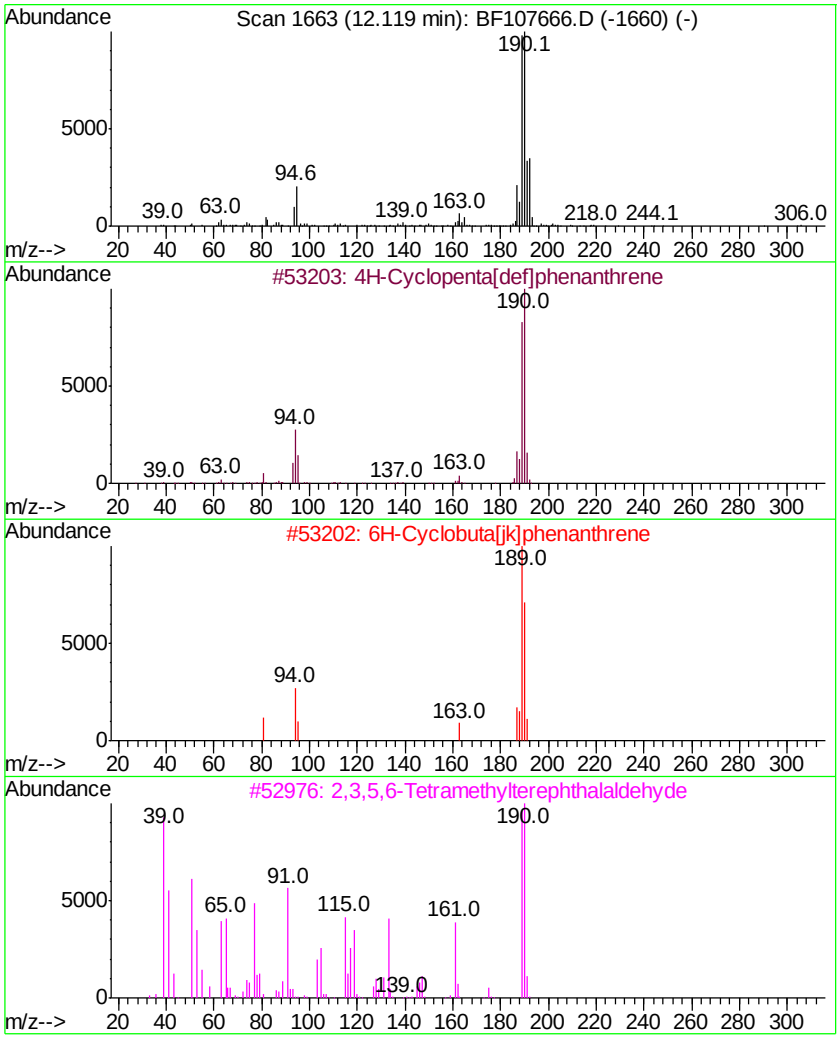
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

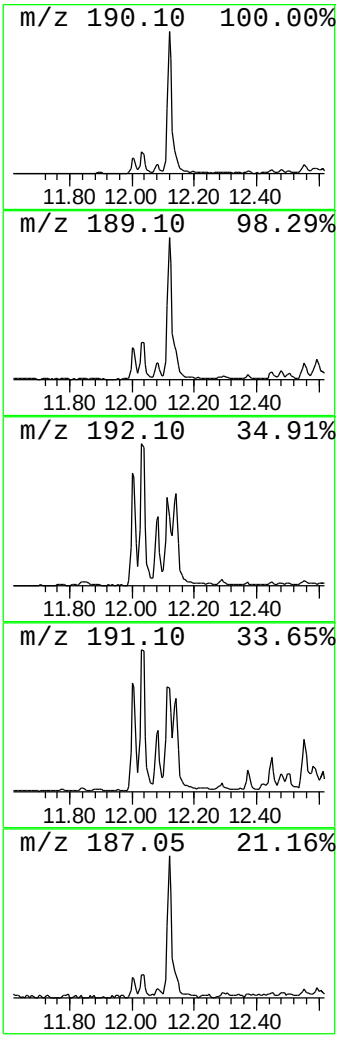
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	8.13 ng	547008	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
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	35





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Acq On : 25 Jul 2018 19:23
Operator : JU/SJ
Sample : J4031-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId : PLANTER-DOC-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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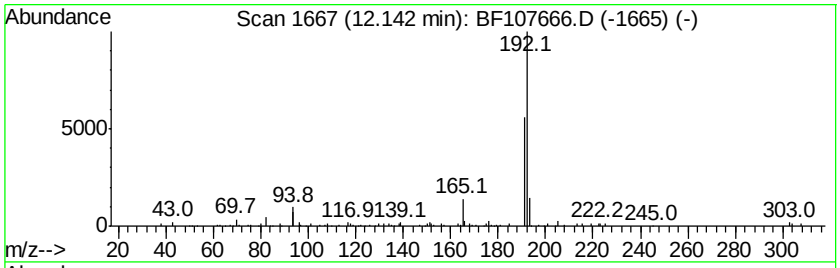
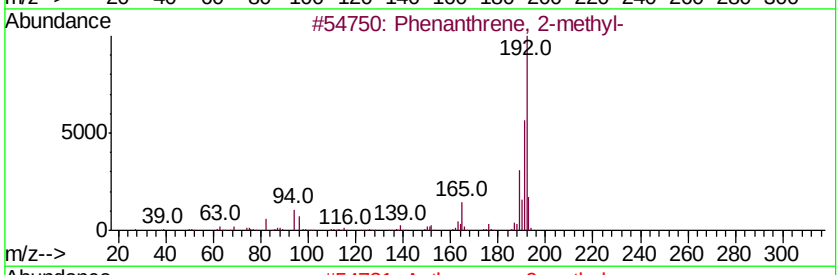
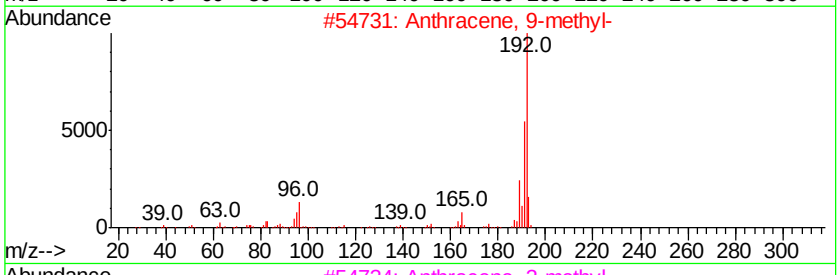
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 11

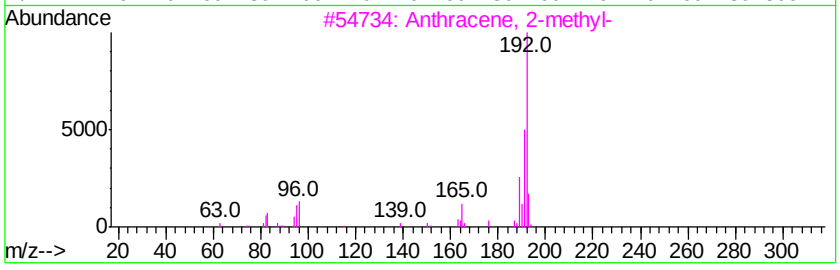
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	3.03 ng	204106	Phenanthrene-d10	11.50

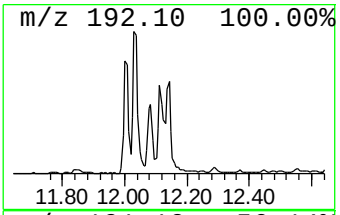
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80

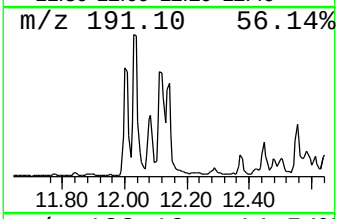


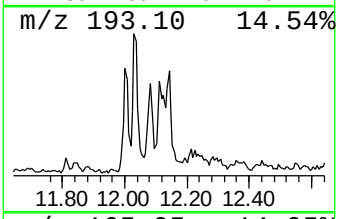


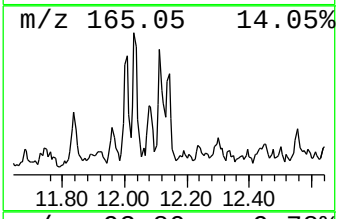


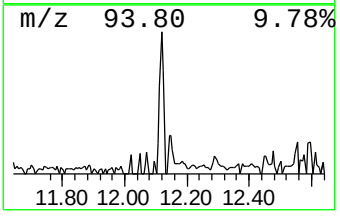












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Operator : JU/SJ
Sample : J4031-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-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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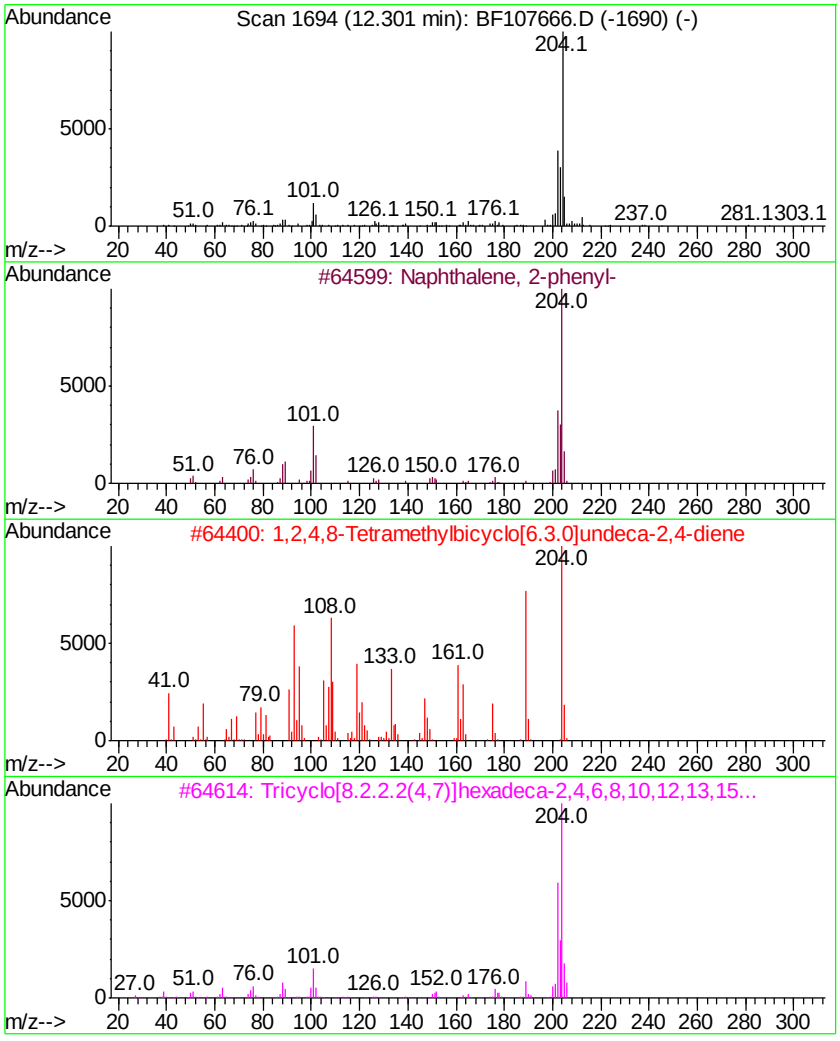
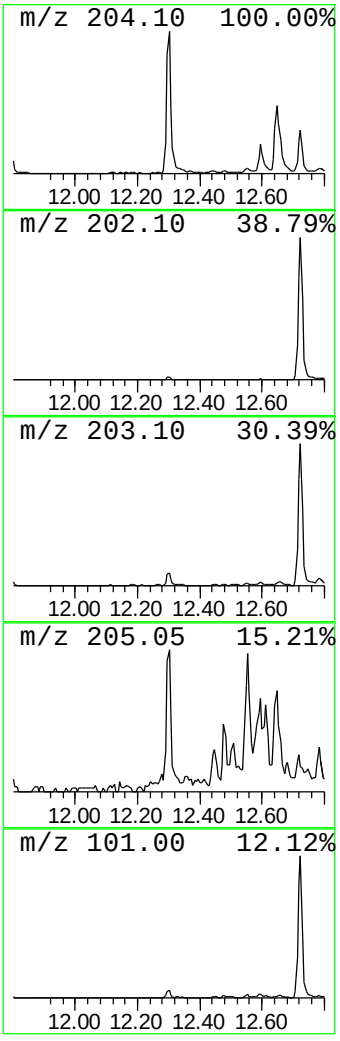
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	3.34 ng	224951	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50





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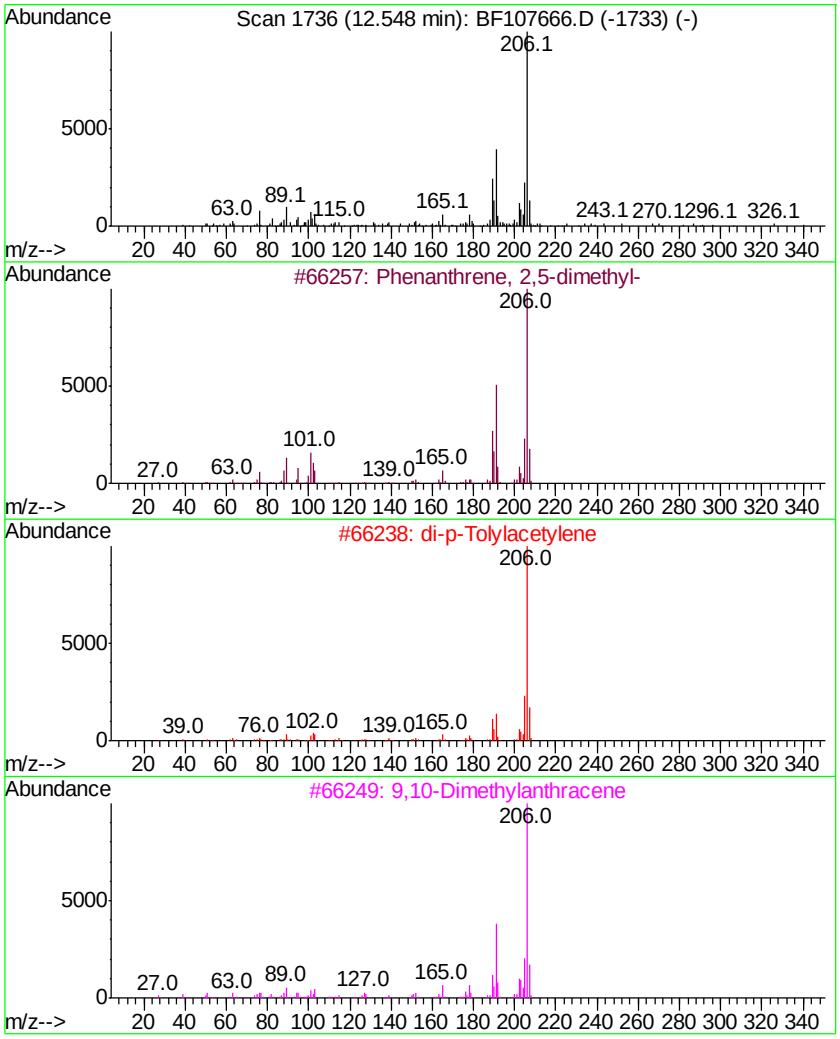
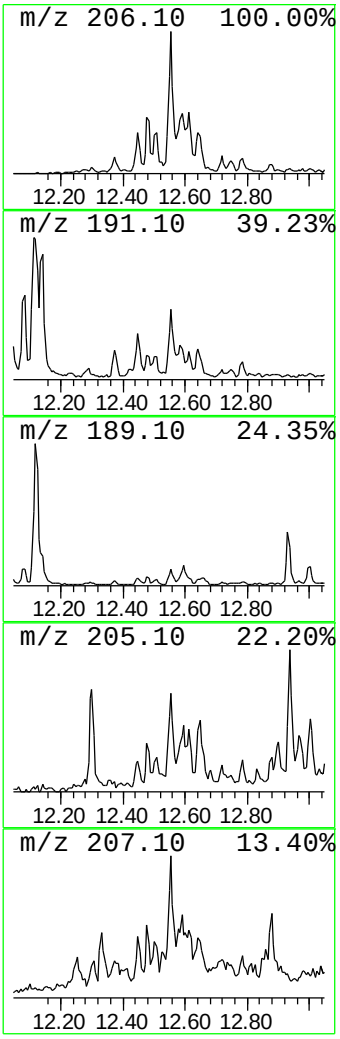
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	3.19 ng	214924	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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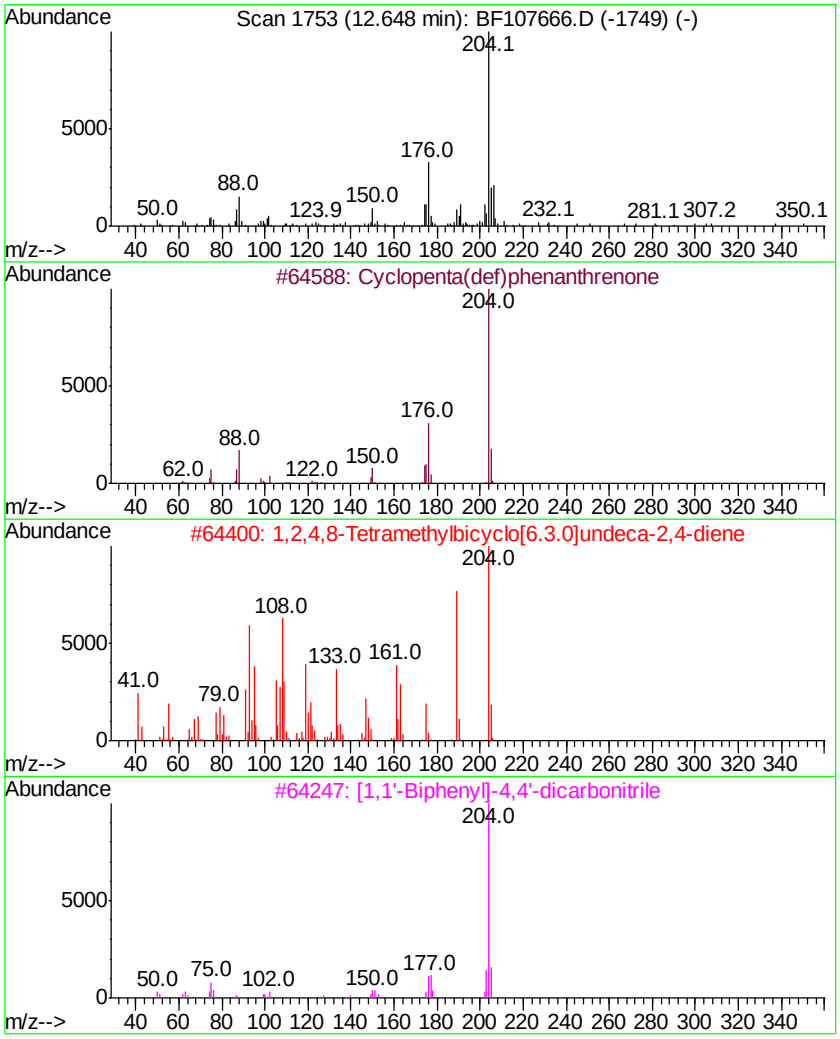
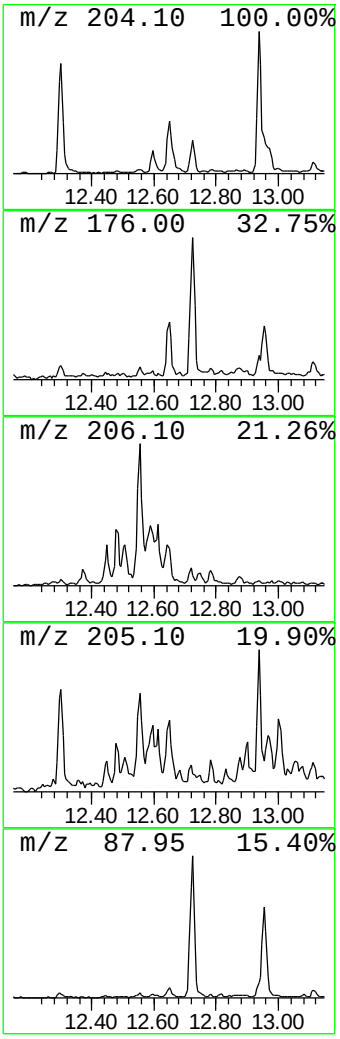
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	2.44 ng	163895	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	6-Chloro-2,3,4,9-tetrahydro-1H-c...	248	C13H13ClN2O	1000303-44-7	47
5	1,4-Naphthalenedione, 2-hydroxy-...	204	C11H8O4	005257-83-0	43





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

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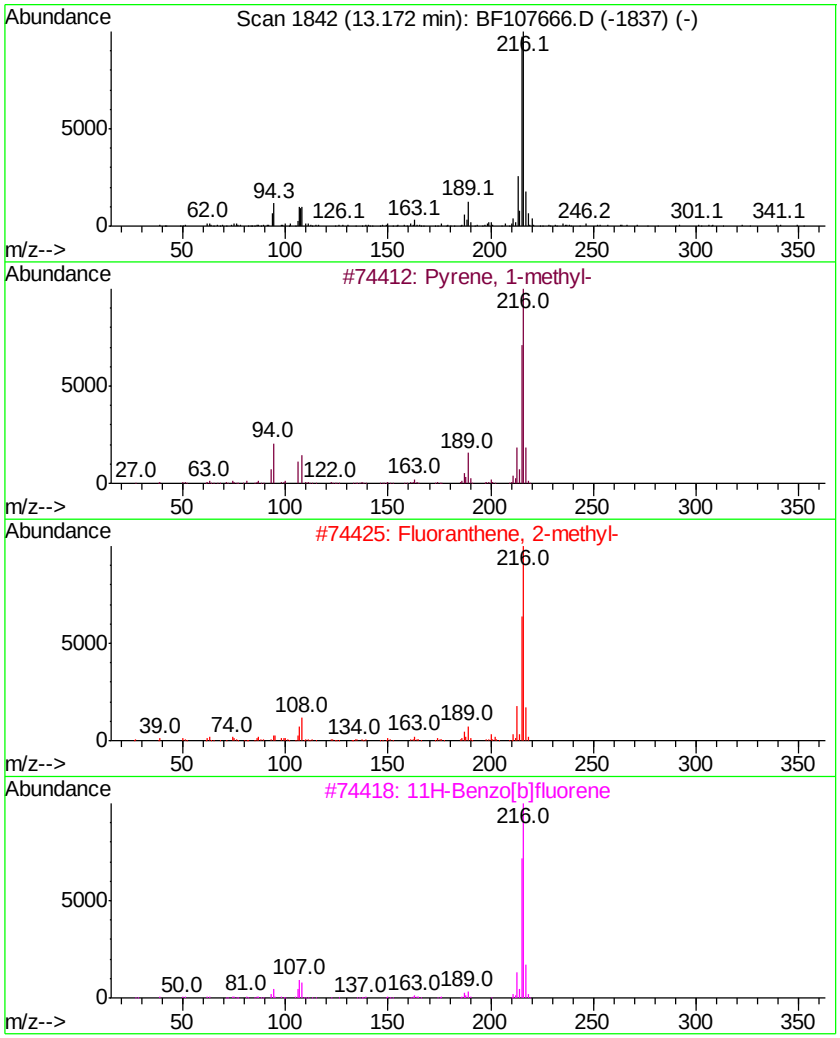
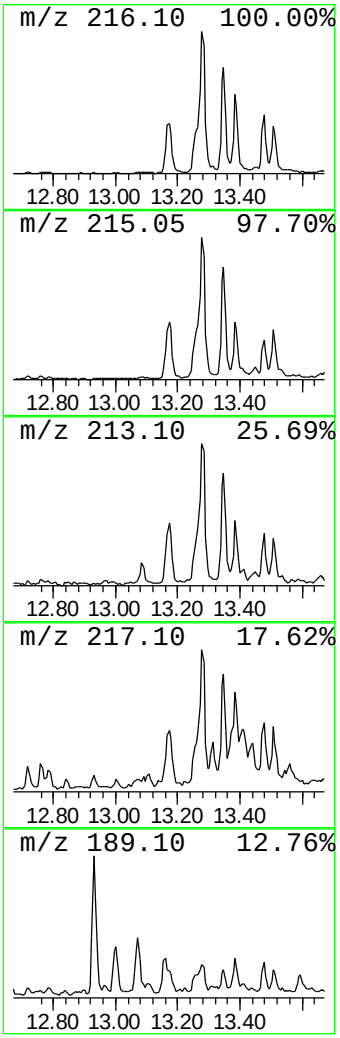
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.23 ng	308448	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





Library Search Compound Report

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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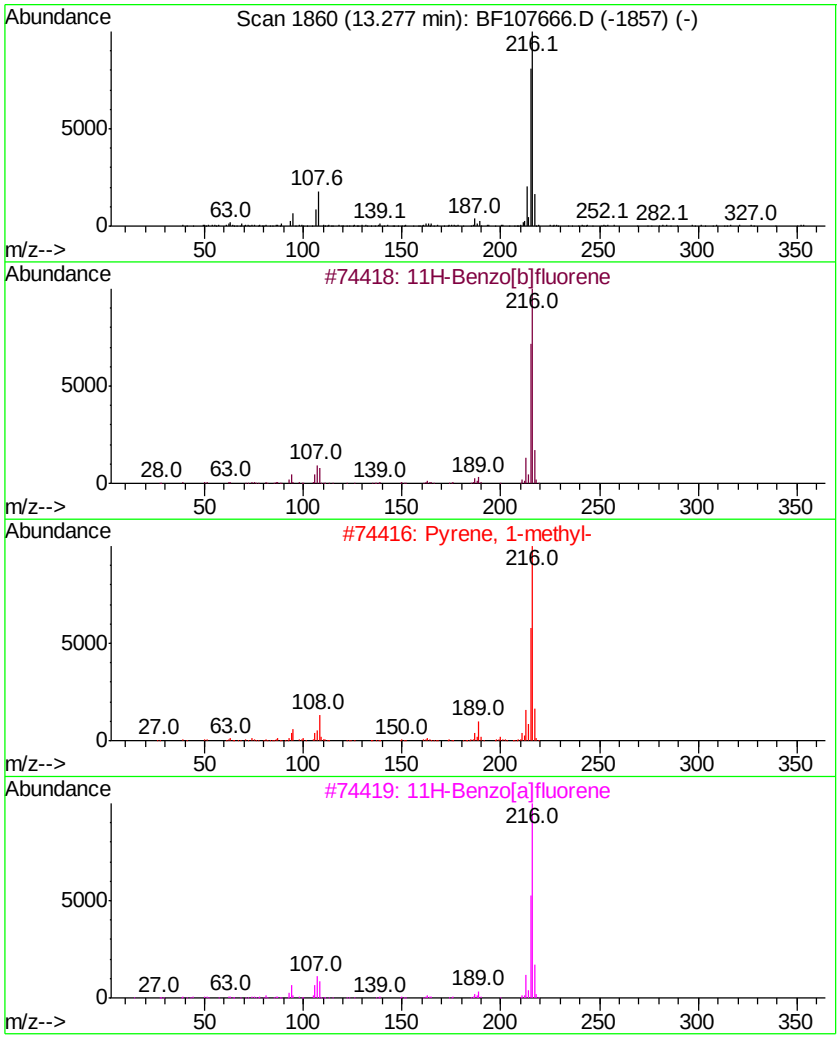
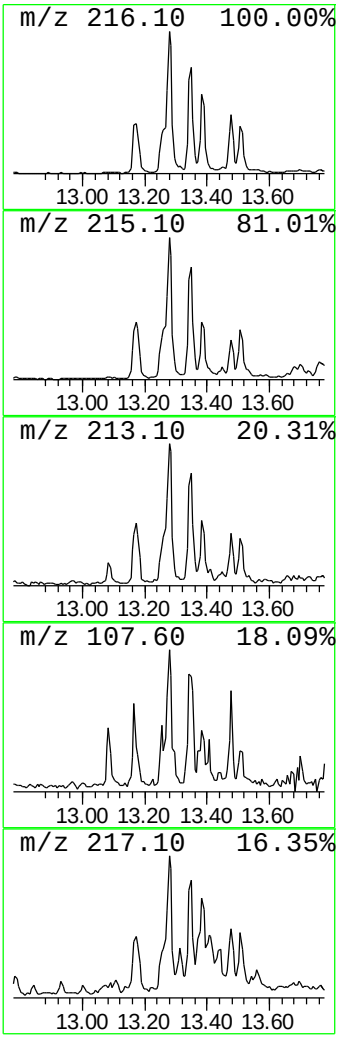
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	3.09 ng	427455	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





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

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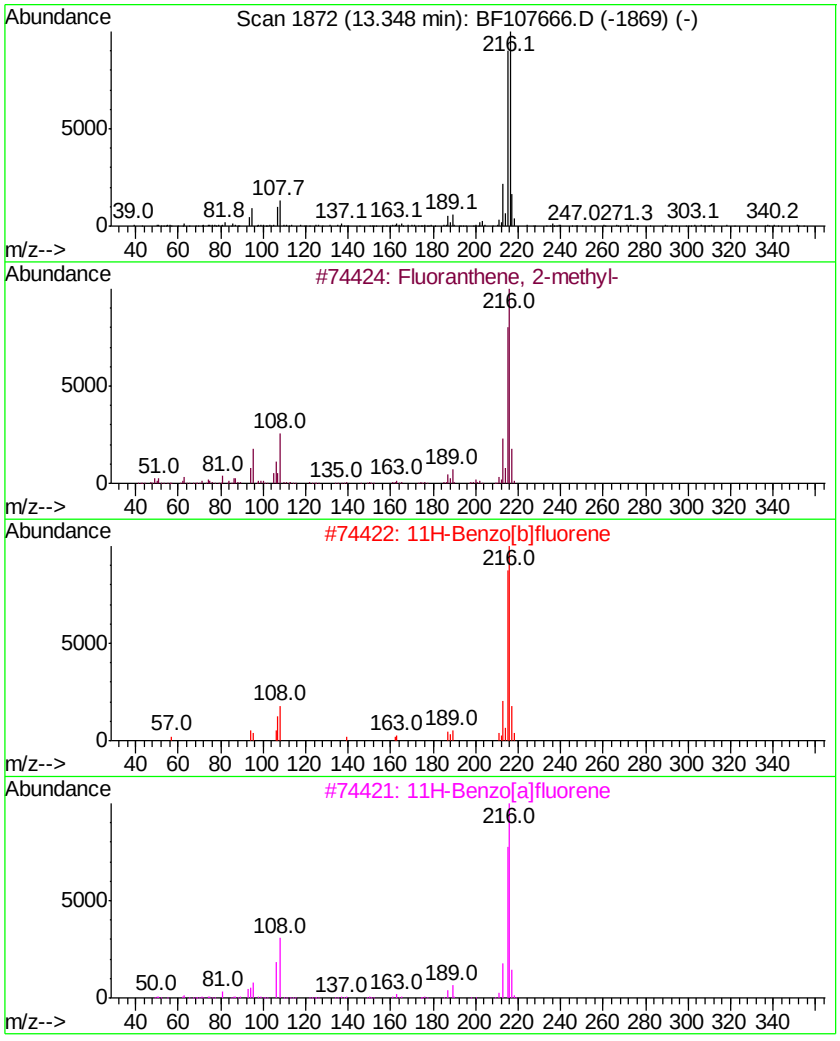
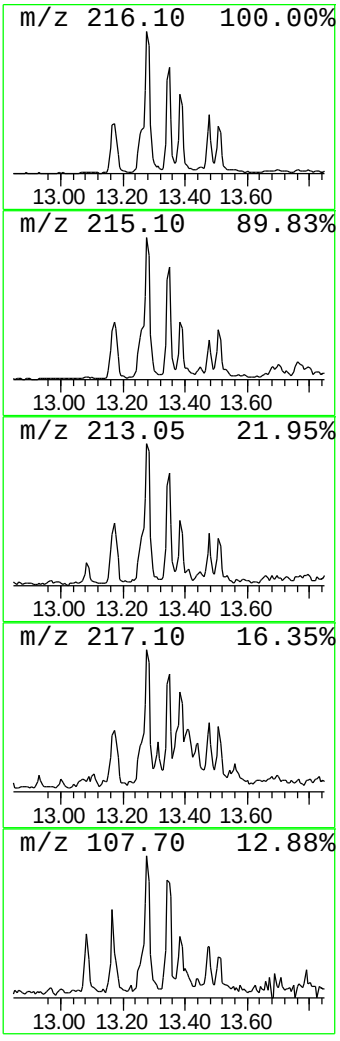
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	2.16 ng	298155	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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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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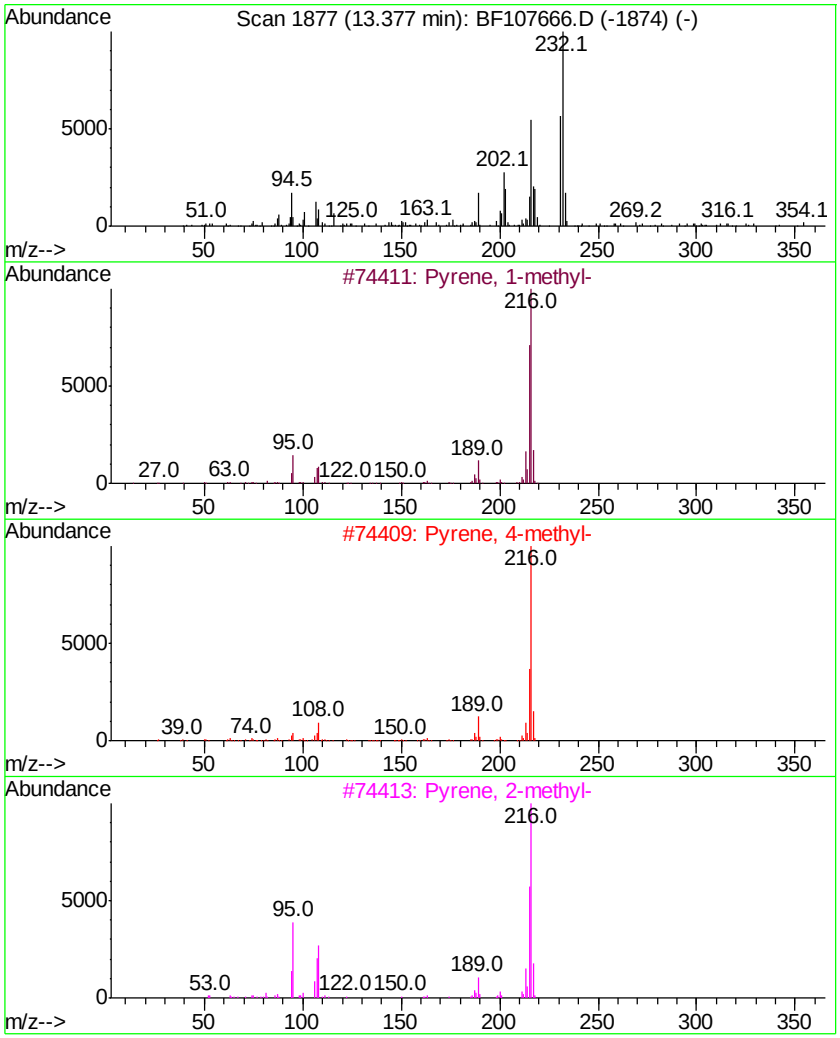
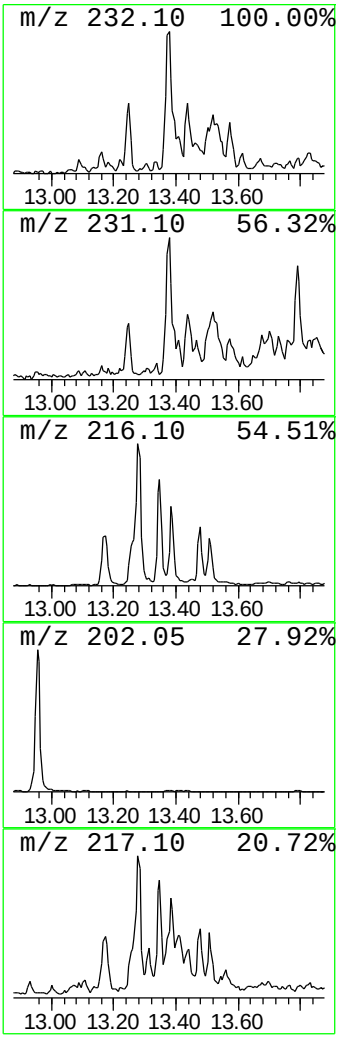
Peak Number 15 Pyrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.33 ng	322311	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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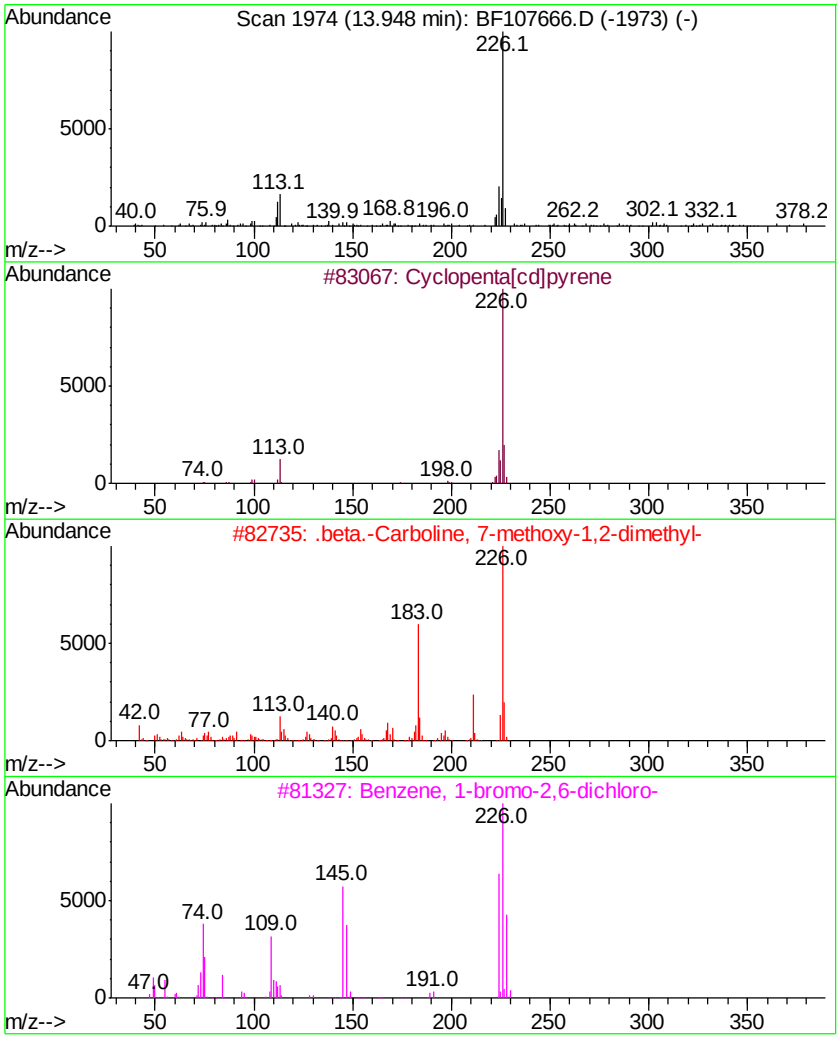
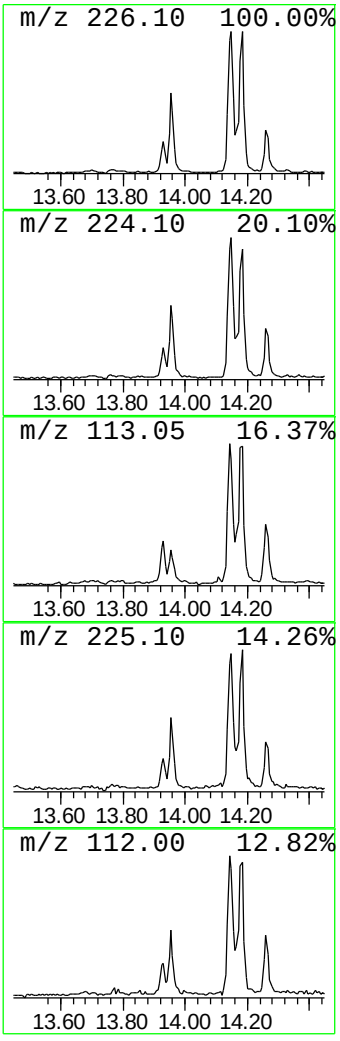
Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	2.54 ng	350980	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	50
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
5	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	38





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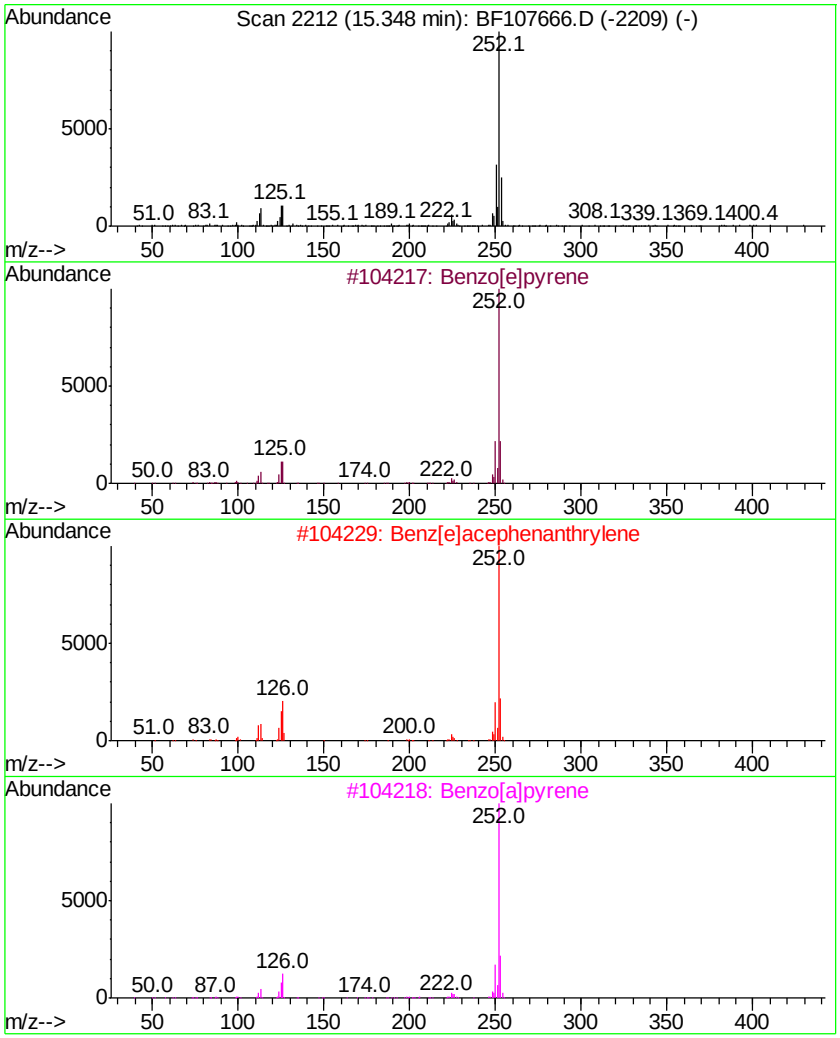
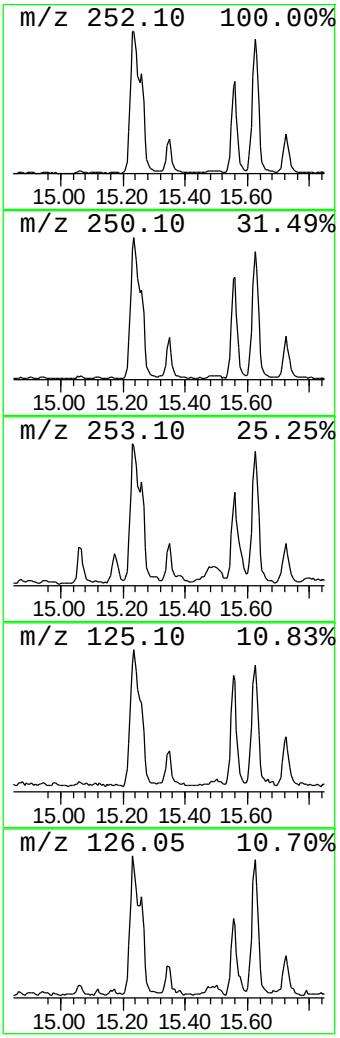
Peak Number 17 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	5.33 ng	241816	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Perylene	252	C20H12	000198-55-0	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107666.D
Acq On : 25 Jul 2018 19:23
Operator : JU/SJ
Sample : J4031-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-1

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

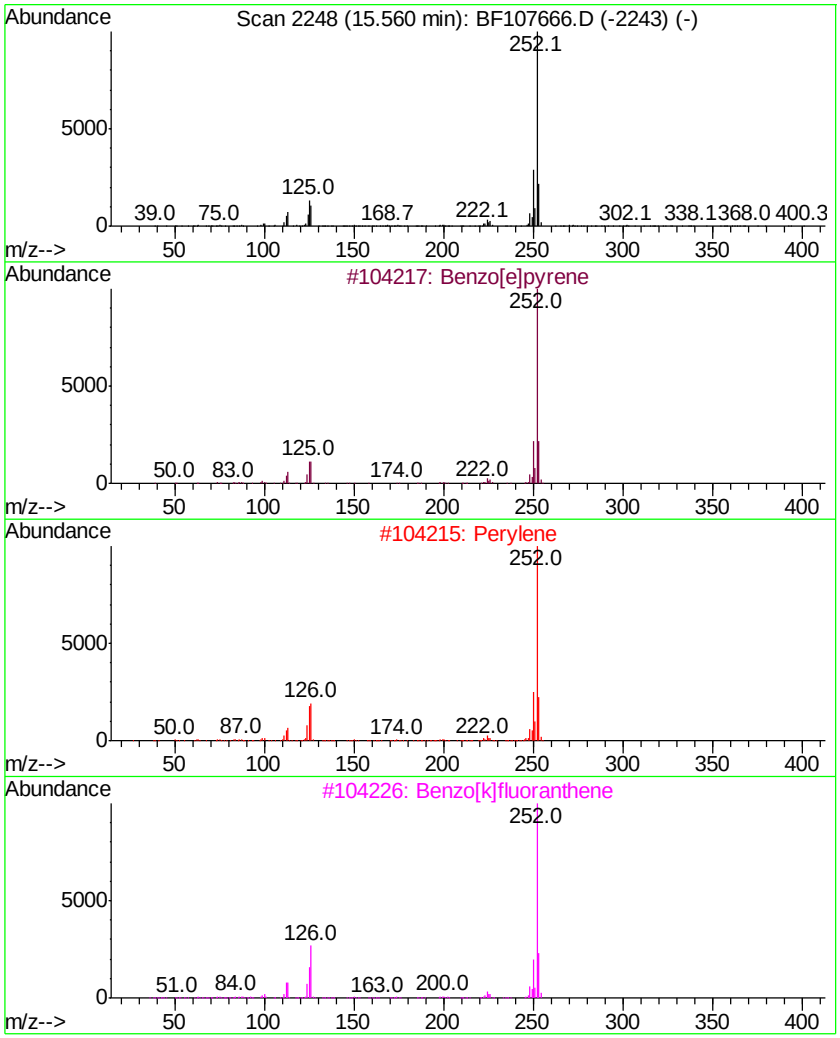
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

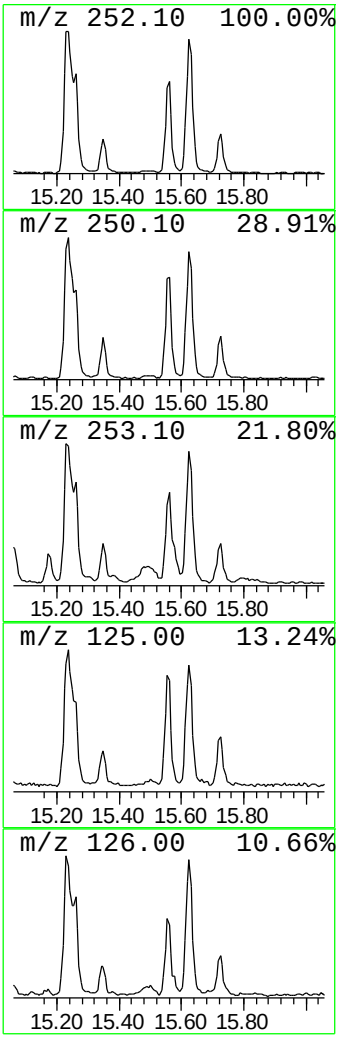
****

Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	18.04 ng	818462	Perylene-d12	15.69

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	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072518\
Data File : BF107666.D
Acq On : 25 Jul 2018 19:23
Operator : JU/SJ
Sample : J4031-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-1

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...	5.18	2.2	ng	132807	1	6.97	1211240	20.0
unknown6.74	6.74	17.1	ng	1036830	1	6.97	1211240	20.0
Phenanthrene, 2-m...	12.00	4.4	ng	298086	4	11.50	1346050	20.0
Anthracene, 1-met...	12.03	5.3	ng	360267	4	11.50	1346050	20.0
Anthracene, 2-met...	12.08	2.5	ng	164760	4	11.50	1346050	20.0
4H-Cyclopenta[def...	12.12	8.1	ng	547008	4	11.50	1346050	20.0
Anthracene, 9-met...	12.14	3.0	ng	204106	4	11.50	1346050	20.0
Naphthalene, 2-ph...	12.30	3.3	ng	224951	4	11.50	1346050	20.0
Phenanthrene, 2,5...	12.55	3.2	ng	214924	4	11.50	1346050	20.0
Cyclopenta(def)ph...	12.65	2.4	ng	163895	4	11.50	1346050	20.0
Pyrene, 1-methyl-	13.17	2.2	ng	308448	5	14.15	2764260	20.0
11H-Benzo[b]fluorene	13.28	3.1	ng	427455	5	14.15	2764260	20.0
Fluoranthene, 2-m...	13.35	2.2	ng	298155	5	14.15	2764260	20.0
Pyrene, 4-methyl-	13.38	2.3	ng	322311	5	14.15	2764260	20.0
Cyclopenta[cd]pyrene	13.95	2.5	ng	350980	5	14.15	2764260	20.0
Benzo[e]pyrene	15.35	5.3	ng	241816	6	15.69	907501	20.0
Perylene	15.56	18.0	ng	818462	6	15.69	907501	20.0