LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106675.D
Acq On : 21 Jun 2018 21:49
Operator : JU/SJ
Sample : J3247-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-01-061918

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-BF061918.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	5.195	482	486	494	rBV	117189	127015	9.53%	0.528%
2	5.601	552	555	565	rBV	1156278	1076986	80.82%	4.474%
3	6.601	721	725	737	rBV	1113945	1118824	83.96%	4.648%
4	6.737	744	748	751	rBV	1288073	1113528	83.56%	4.626%
5	6.960	782	786	789	rBV	448412	362244	27.18%	1.505%
6	7.113	808	812	816	rBV	950882	895404	67.19%	3.720%
7	7.525	877	882	885	rBV	792077	713442	53.54%	2.964%
8	8.242	1000	1004	1006	rBV	544498	444201	33.33%	1.845%
9	8.260	1006	1007	1011	rVB	50462	40539	3.04%	0.168%
10	8.954	1122	1125	1129	rVB	73079	57167	4.29%	0.237%
11	9.054	1137	1142	1146	rBB	86987	71496	5.37%	0.297%
12	9.313	1182	1186	1190	rBV	1336798	1214868	91.17%	5.047%
13	9.583	1228	1232	1236	rBV	38455	50594	3.80%	0.210%
14	9.654	1240	1244	1247	rVV	76195	74657	5.60%	0.310%
15	9.683	1247	1249	1250	rVV	45148	34566	2.59%	0.144%
16	9.707	1250	1253	1260	rVB	160585	135607	10.18%	0.563%
17	9.772	1260	1264	1272	rVB	38530	44746	3.36%	0.186%
18	9.860	1276	1279	1284	rVV2	94632	82220	6.17%	0.342%
19	10.001	1300	1303	1306	rVV	537845	443596	33.29%	1.843%
20	10.030	1306	1308	1311	rVB	175759	138850	10.42%	0.577%
21	10.201	1333	1337	1341	rBV2	101004	103723	7.78%	0.431%
22	10.236	1341	1343	1347	rVB	39180	32046	2.40%	0.133%
23	10.313	1352	1356	1359	rBV2	34865	34500	2.59%	0.143%
24	10.407	1366	1372	1377	rBV2	46246	65904	4.95%	0.274%
25	10.548	1393	1396	1402	rVB	201885	175879	13.20%	0.731%
26	10.707	1420	1423	1426	rVB2	54330	52835	3.96%	0.219%
27	10.795	1434	1438	1441	rBV	770763	699137	52.46%	2.904%
28	10.883	1450	1453	1457	rBV	38329	55921	4.20%	0.232%
29	11.095	1483	1489	1492	rBV3	57706	78111	5.86%	0.324%
30	11.124	1492	1494	1497	rVV2	41081	36036	2.70%	0.150%
31	11.177	1500	1503	1506	rVB2	28231	27625	2.07%	0.115%
32	11.224	1506	1511	1512	rBV3	27517	37520	2.82%	0.156%
33	11.248	1512	1515	1520	rVV3	32353	44227	3.32%	0.184%
34	11.295	1520	1523	1526	rVV	82496	72651	5.45%	0.302%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3247-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-01-061918

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.336	1526	1530	1533	rVV	52293	57537	4.32%	0.239%
36	11.389	1536	1539	1543	rVB	101356	81600	6.12%	0.339%
37	11.495	1553	1557	1559	rBV	465954	472302	35.44%	1.962%
38	11.519	1559	1561	1564	rVV	1206912	936100	70.25%	3.889%
39	11.566	1566	1569	1572	rVV	286016	269948	20.26%	1.121%
40	11.724	1591	1596	1600	rBV	97526	101648	7.63%	0.422%
41	11.760	1600	1602	1604	rVV2	32315	26596	2.00%	0.110%
42	11.783	1604	1606	1609	rVV	41496	34039	2.55%	0.141%
43	11.824	1610	1613	1617	rVB	75454	70258	5.27%	0.292%
44	11.907	1624	1627	1631	rVB	31479	39132	2.94%	0.163%
45	11.995	1637	1642	1644	rVV	208413	195755	14.69%	0.813%
46	12.024	1644	1647	1650	rVB	257775	218791	16.42%	0.909%
47	12.071	1650	1655	1658	rBV	98386	92100	6.91%	0.383%
48	12.107	1658	1661	1663	rVV2	290488	317086	23.79%	1.317%
49	12.130	1663	1665	1669	rVB	152546	119568	8.97%	0.497%
50	12.171	1669	1672	1674	rBV2	37309	33368	2.50%	0.139%
51	12.224	1679	1681	1684	rVV	34375	32625	2.45%	0.136%
52	12.289	1688	1692	1694	rVV	140112	129959	9.75%	0.540%
53	12.319	1694	1697	1703	rVB	105771	103971	7.80%	0.432%
54	12.436	1715	1717	1720	rVV	53830	46678	3.50%	0.194%
55	12.466	1720	1722	1725	rVV	59883	53610	4.02%	0.223%
56	12.495	1725	1727	1729	rVB	55432	40791	3.06%	0.169%
57	12.542	1729	1735	1739	rBV	163735	238577	17.90%	0.991%
58	12.583	1739	1742	1744	rVV2	73120	92663	6.95%	0.385%
59	12.636	1747	1751	1755	rBV2	106184	139006	10.43%	0.577%
60	12.713	1760	1764	1768	rBV	1314107	1224089	91.86%	5.085%
61	12.748	1768	1770	1772	rBV	42354	32387	2.43%	0.135%
62	12.771	1772	1774	1777	rVB	43744	32888	2.47%	0.137%
63	12.807	1777	1780	1782	rVB	44679	33264	2.50%	0.138%
64	12.836	1782	1785	1787	rBV2	25829	29795	2.24%	0.124%
65	12.866	1787	1790	1792	rBV	62410	56711	4.26%	0.236%
66	12.924	1796	1800	1801	rBV2	235714	246501	18.50%	1.024%
67	12.948	1801	1804	1808	rVB	1093546	1079753	81.03%	4.486%
68	12.989	1808	1811	1815	rVB2	91555	102756	7.71%	0.427%
69	13.077	1815	1826	1829	rBV	1362064	1332602	100.00%	5.536%
70	13.154	1835	1839	1844	rBV2	115110	193290	14.50%	0.803%
71	13.242	1851	1854	1855	rBV3	90580	90925	6.82%	0.378%

LSC Area Percent Report

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Sample : J3247-05
Misc :
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Instrument : BNA_F
ClientSampleId : OR-01-061918

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
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72	13.266	1855	1858	1861	rVV	169115	194181	14.57%	0.807%
73	13.336	1867	1870	1872	rVV	107694	96289	7.23%	0.400%
74	13.371	1872	1876	1879	rVV2	156901	177083	13.29%	0.736%
75	13.430	1883	1886	1890	rBV3	26540	41015	3.08%	0.170%
76	13.466	1890	1892	1895	rVV	107246	91478	6.86%	0.380%
77	13.501	1895	1898	1900	rVB	99515	96595	7.25%	0.401%
78	13.748	1938	1940	1942	rBV3	28851	29106	2.18%	0.121%
79	13.777	1942	1945	1949	rVB	152020	154224	11.57%	0.641%
80	13.889	1959	1964	1967	rBV2	147265	208695	15.66%	0.867%
81	13.918	1967	1969	1971	rVV	130983	107903	8.10%	0.448%
82	13.954	1971	1975	1978	rVV2	111504	199632	14.98%	0.829%
83	13.989	1978	1981	1984	rVB	136344	135179	10.14%	0.562%
84	14.060	1991	1993	1997	rVB	35812	42882	3.22%	0.178%
85	14.142	2002	2007	2010	rVV2	765969	1185446	88.96%	4.925%
86	14.171	2010	2012	2019	rVB	596432	558398	41.90%	2.320%
87	14.230	2019	2022	2024	rBV2	42277	45846	3.44%	0.190%
88	14.254	2024	2026	2028	rBV	72171	55140	4.14%	0.229%
89	14.377	2045	2047	2050	rVB	53564	37913	2.85%	0.158%
90	14.536	2072	2074	2078	rVB	126725	106705	8.01%	0.443%
91	14.571	2078	2080	2082	rBV	64964	53694	4.03%	0.223%
92	14.665	2094	2096	2098	rBV	66106	57620	4.32%	0.239%
93	15.230	2187	2192	2195	rBV	340186	576541	43.26%	2.395%
94	15.342	2208	2211	2214	rBV	71828	79902	6.00%	0.332%
95	15.548	2243	2246	2251	rVB	199160	252773	18.97%	1.050%
96	15.618	2253	2258	2264	rBV	304734	405786	30.45%	1.686%
97	15.683	2264	2269	2272	rVV	277576	382321	28.69%	1.588%
98	15.712	2272	2274	2281	rVB2	76740	117452	8.81%	0.488%
99	17.248	2530	2535	2541	rVB2	102925	193158	14.49%	0.802%
100	17.724	2612	2616	2629	rVB	99850	233437	17.52%	0.970%

Sum of corrected areas: 24071728

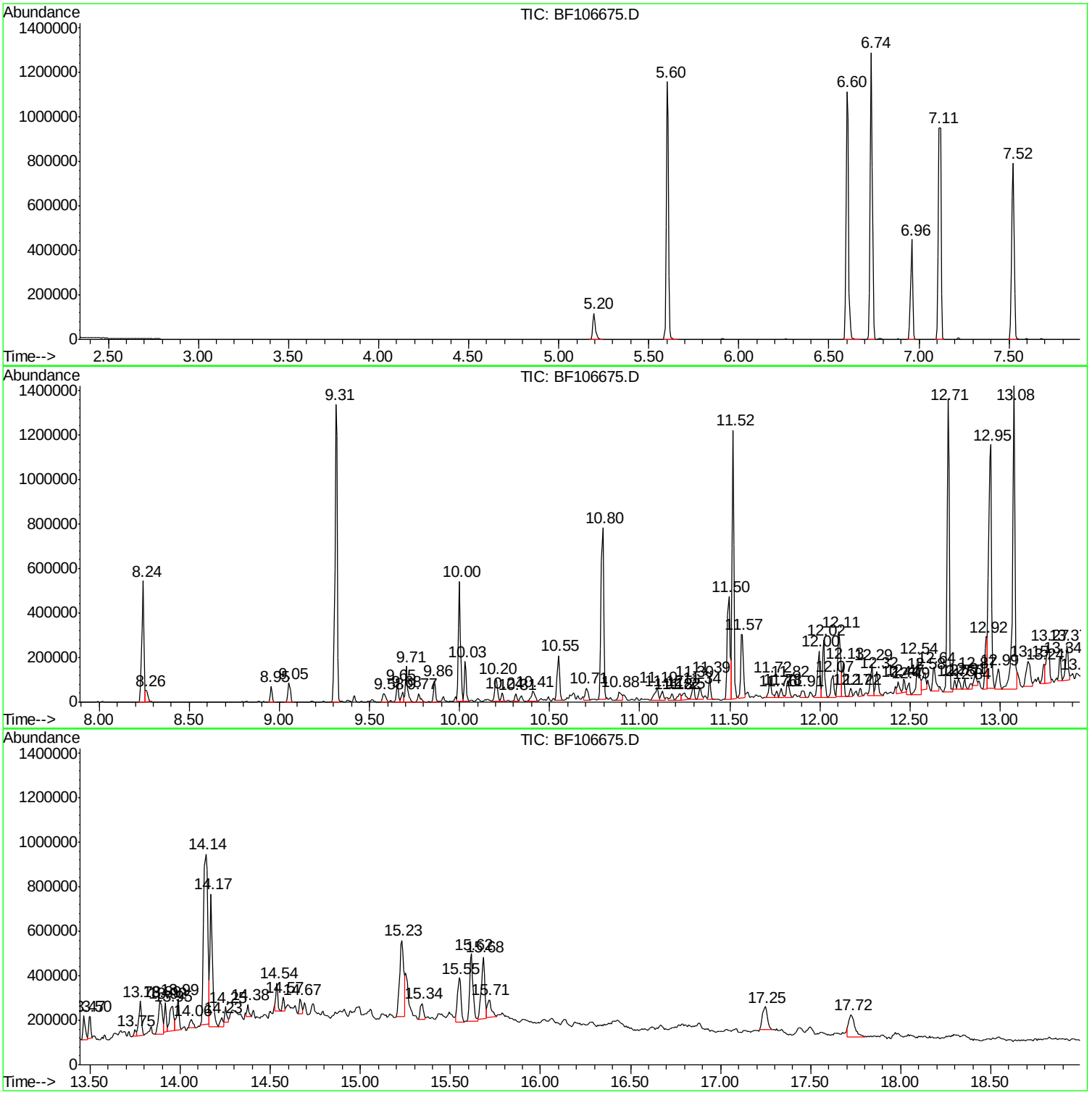
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106675.D
Acq On : 21 Jun 2018 21:49
Operator : JU/SJ
Sample : J3247-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-01-061918

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
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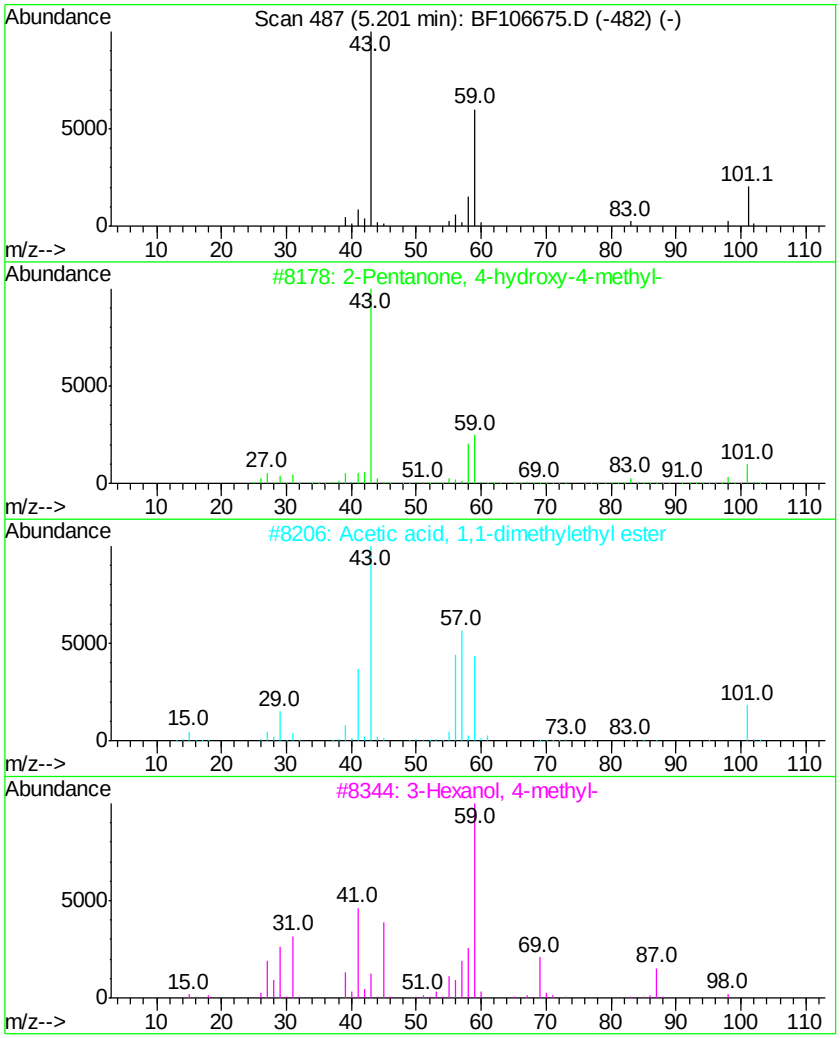
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

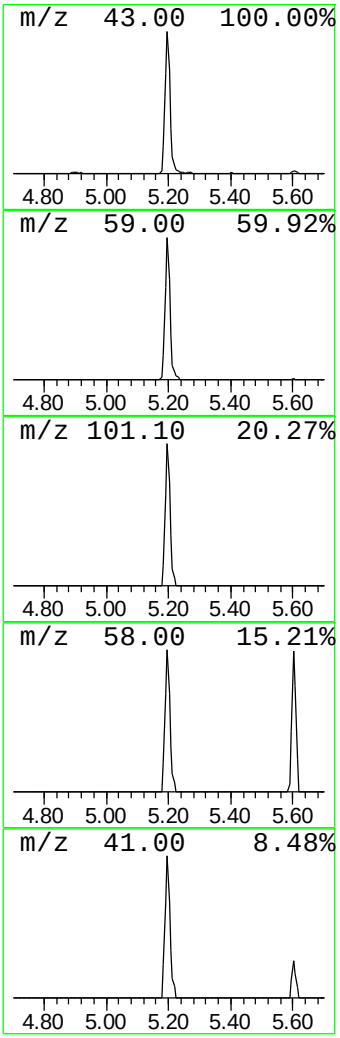
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	7.01 ng	127015	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106675.D
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Instrument : BNA_F
ClientSampleId : OR-01-061918

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

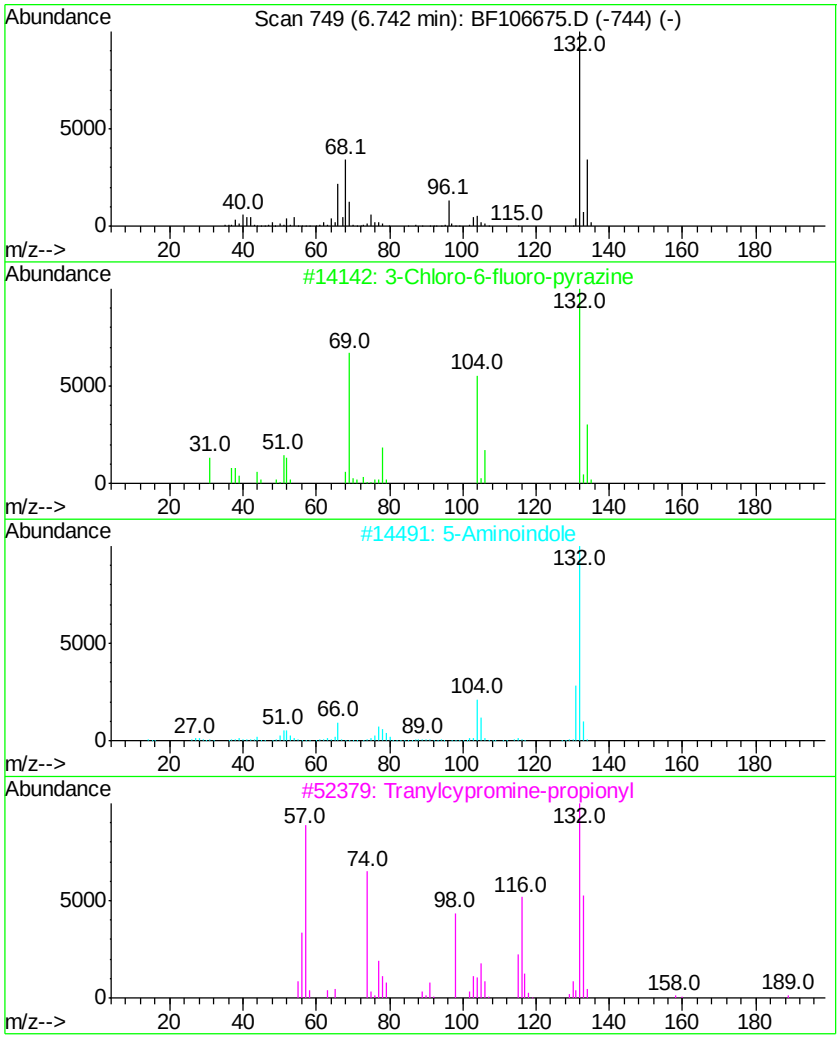
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

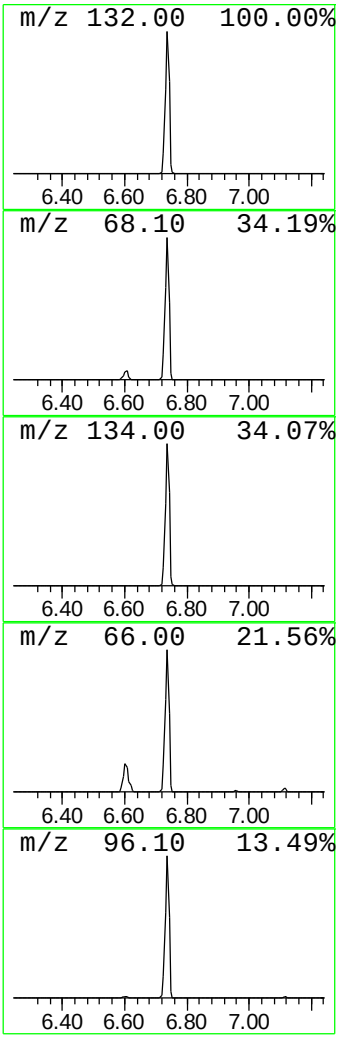
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	61.48 ng	1113530	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

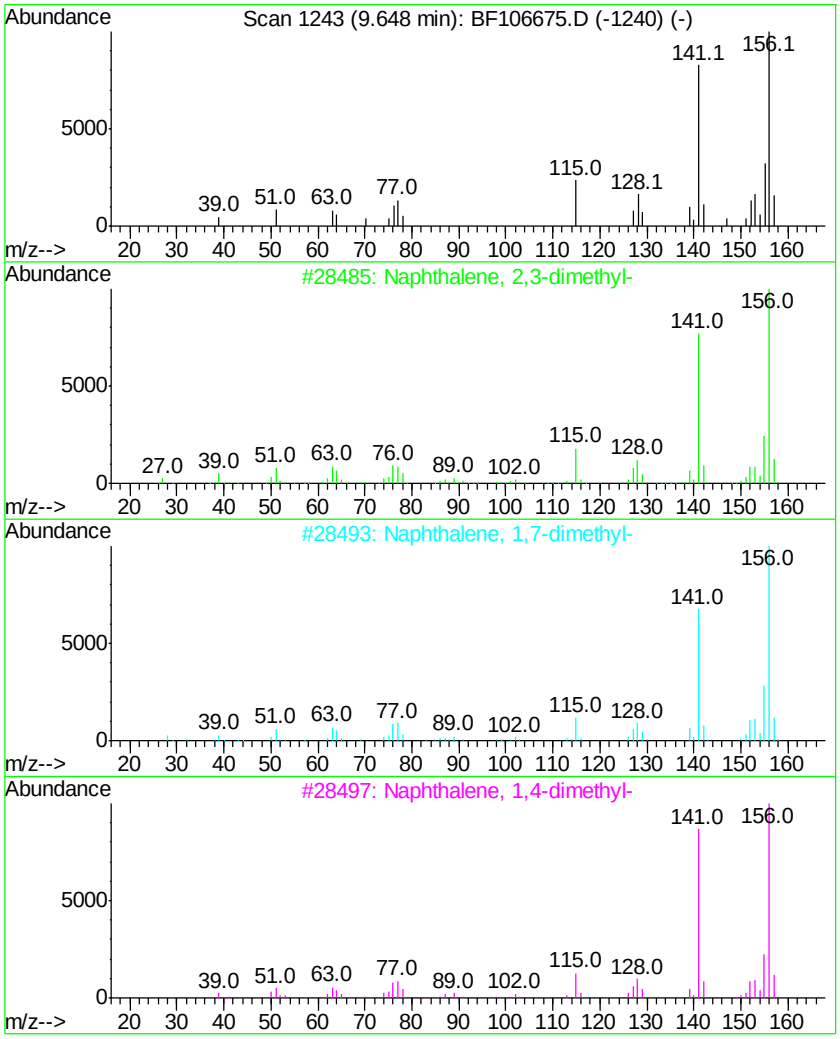
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

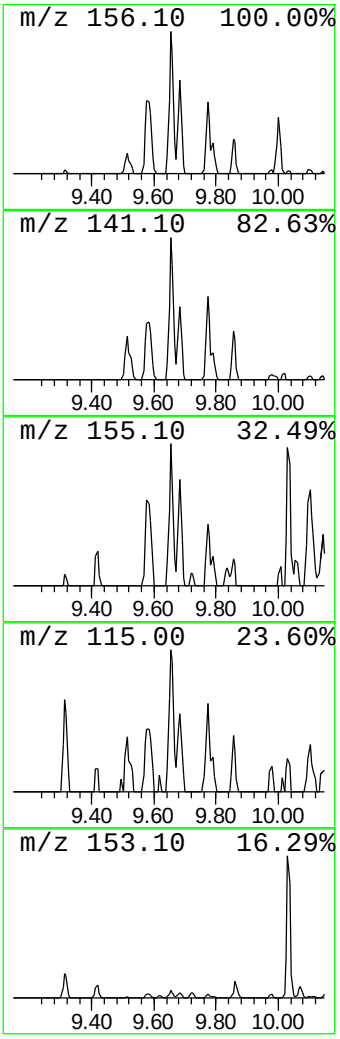
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.65	3.37 ng	74657	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-01-061918

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

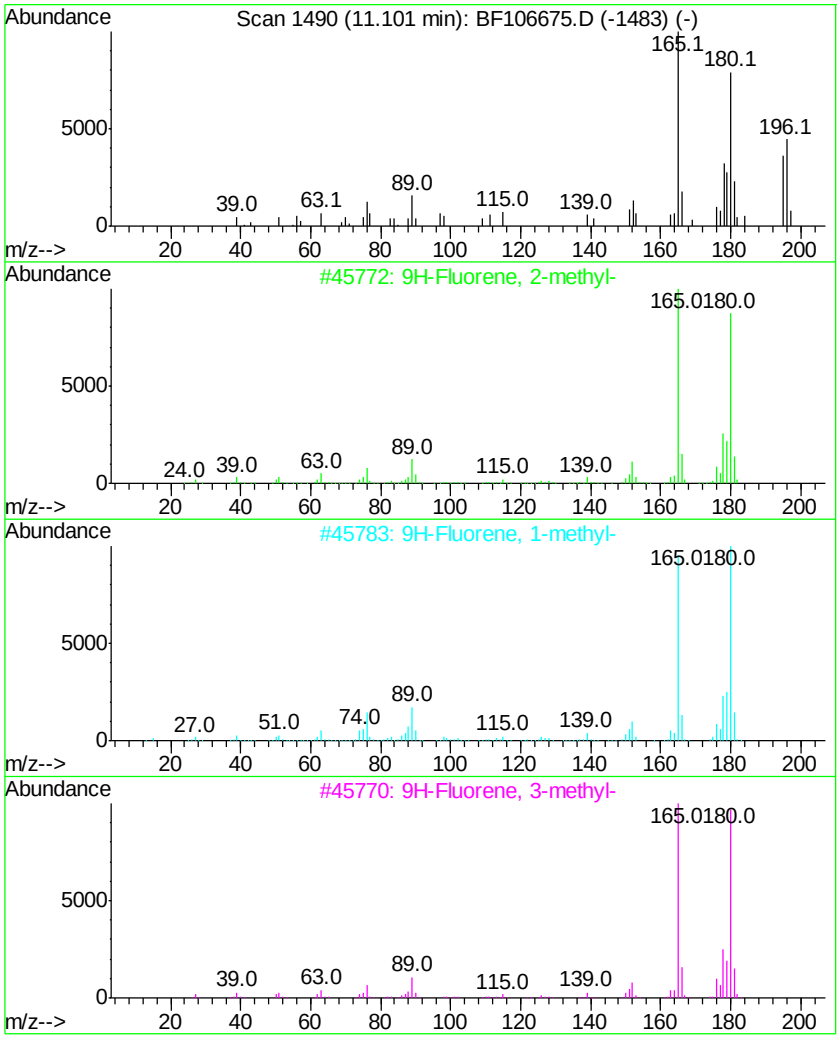
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

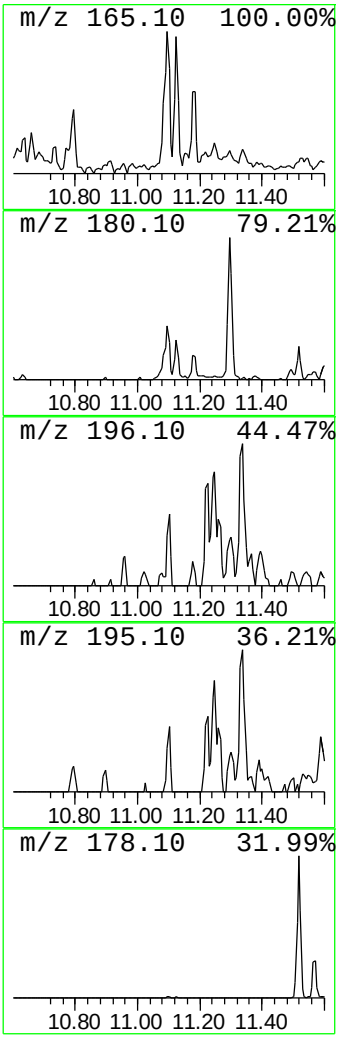
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	3.31 ng	78111	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106675.D
Acq On : 21 Jun 2018 21:49
Operator : JU/SJ
Sample : J3247-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-01-061918

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

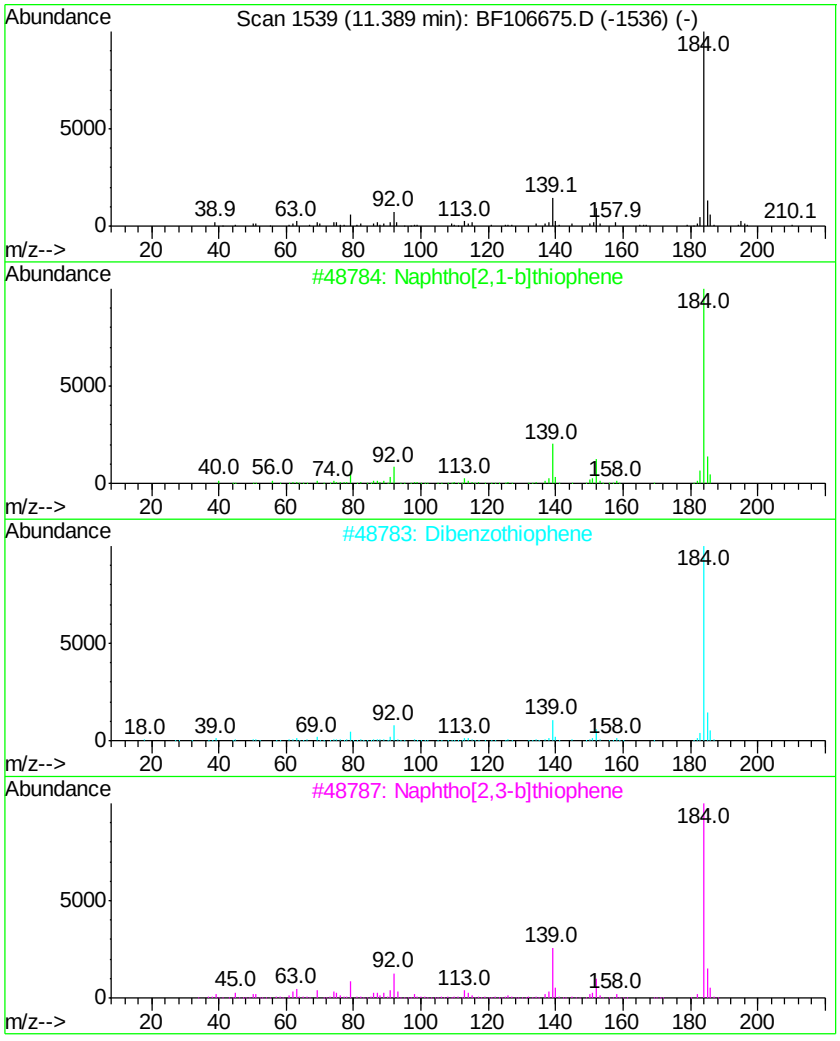
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

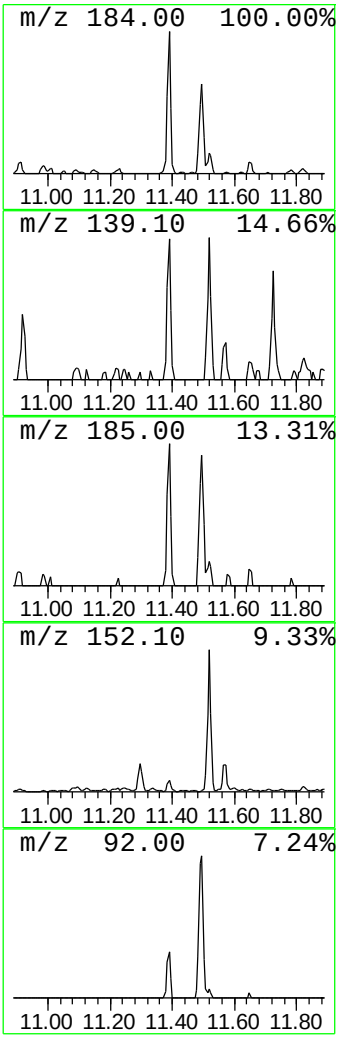
****

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	3.46 ng	81600	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80





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Operator : JU/SJ
Sample : J3247-05
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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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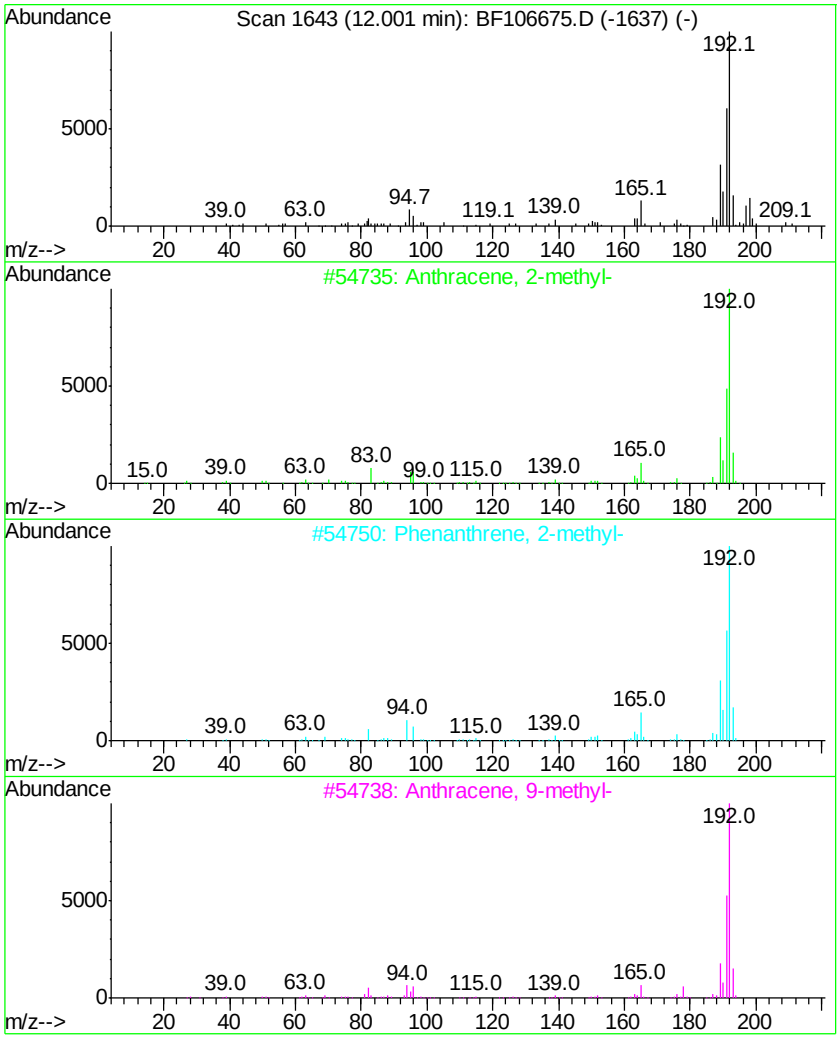
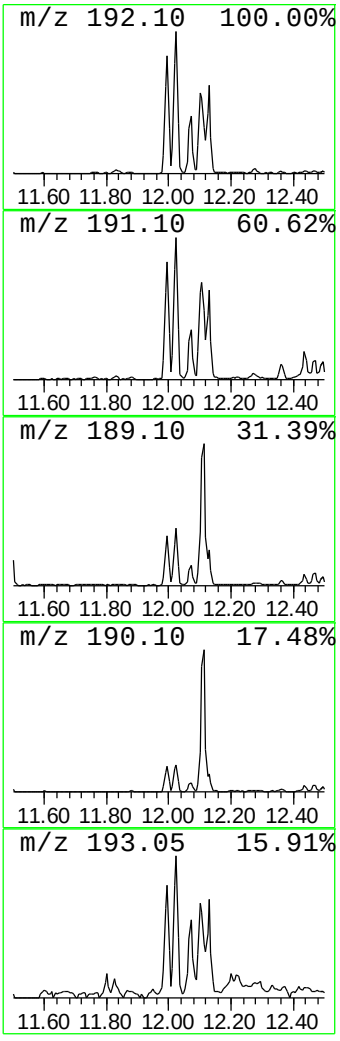
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	8.29 ng	195755	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87





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

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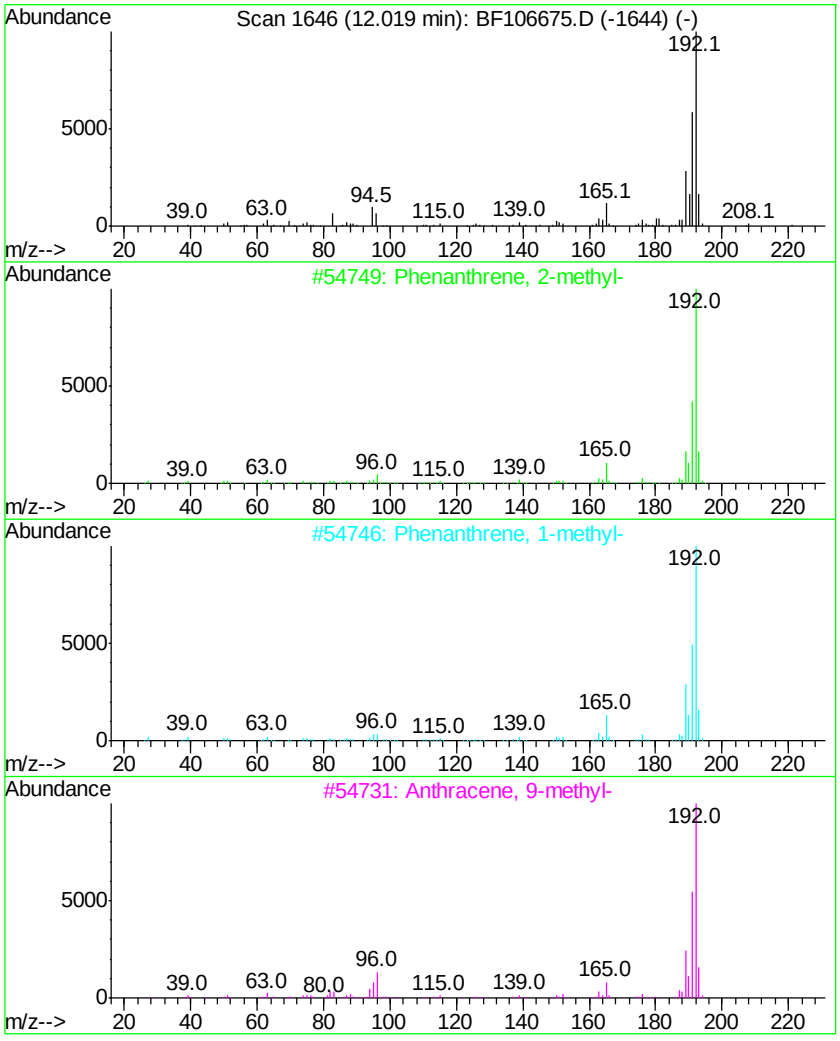
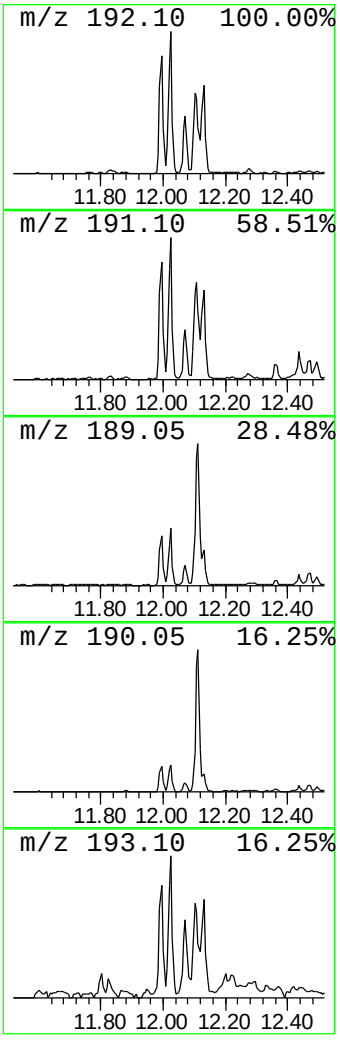
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	9.26 ng	218791	Phenanthrene-d10	11.50

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	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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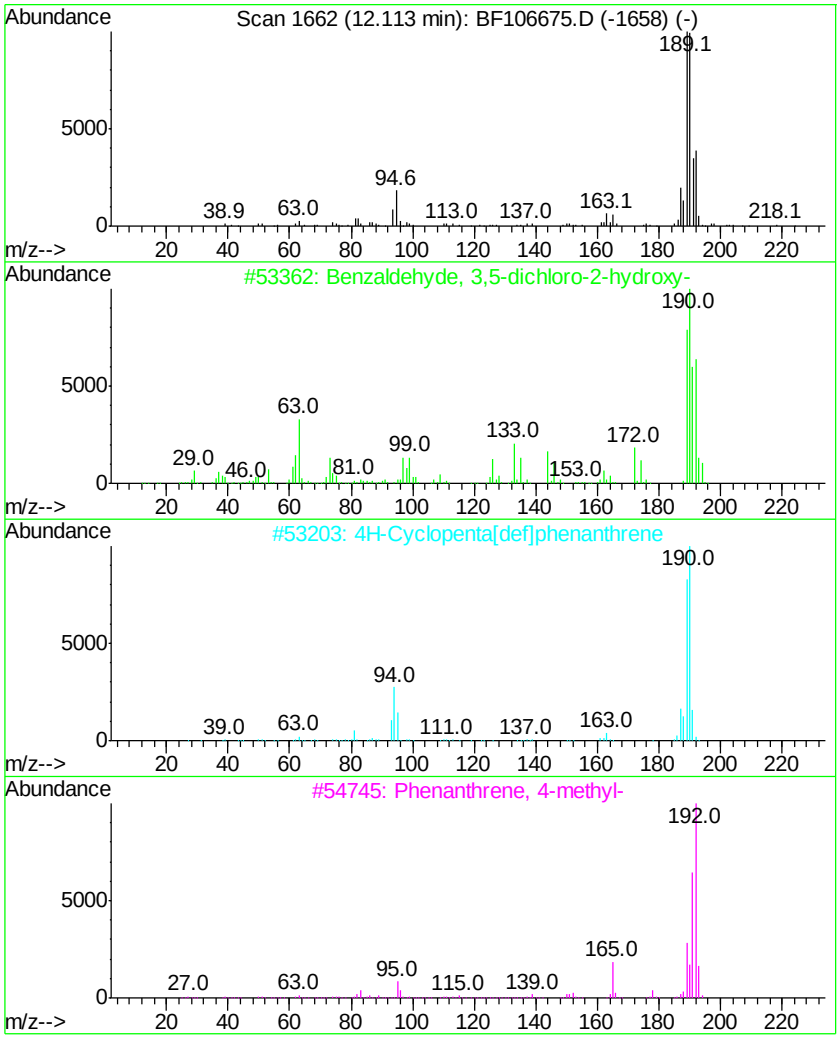
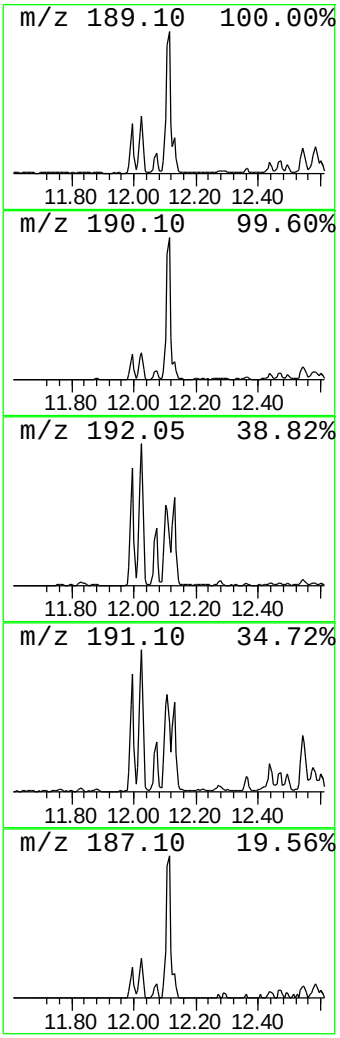
Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	13.43 ng	317086	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





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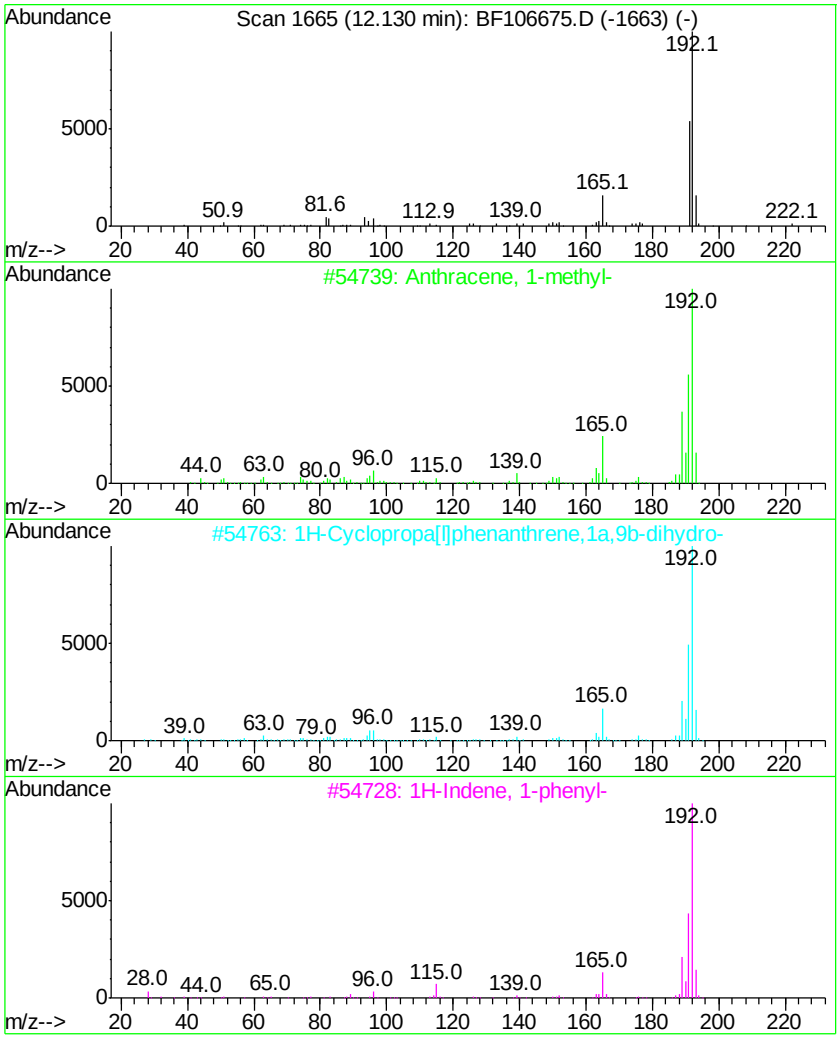
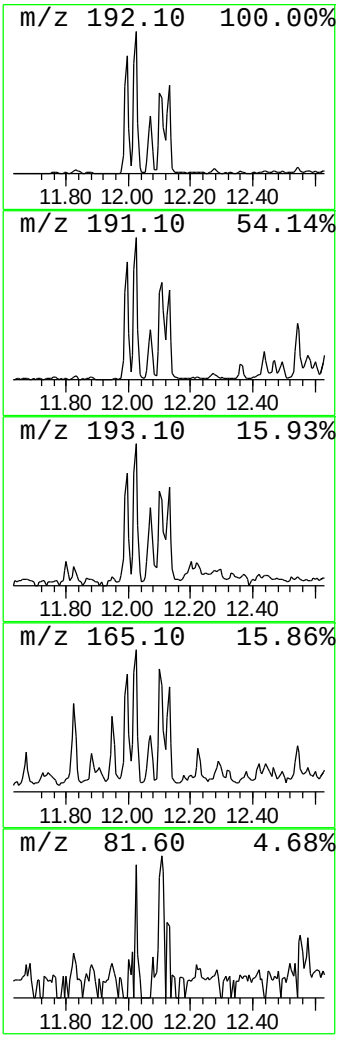
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	5.06 ng	119568	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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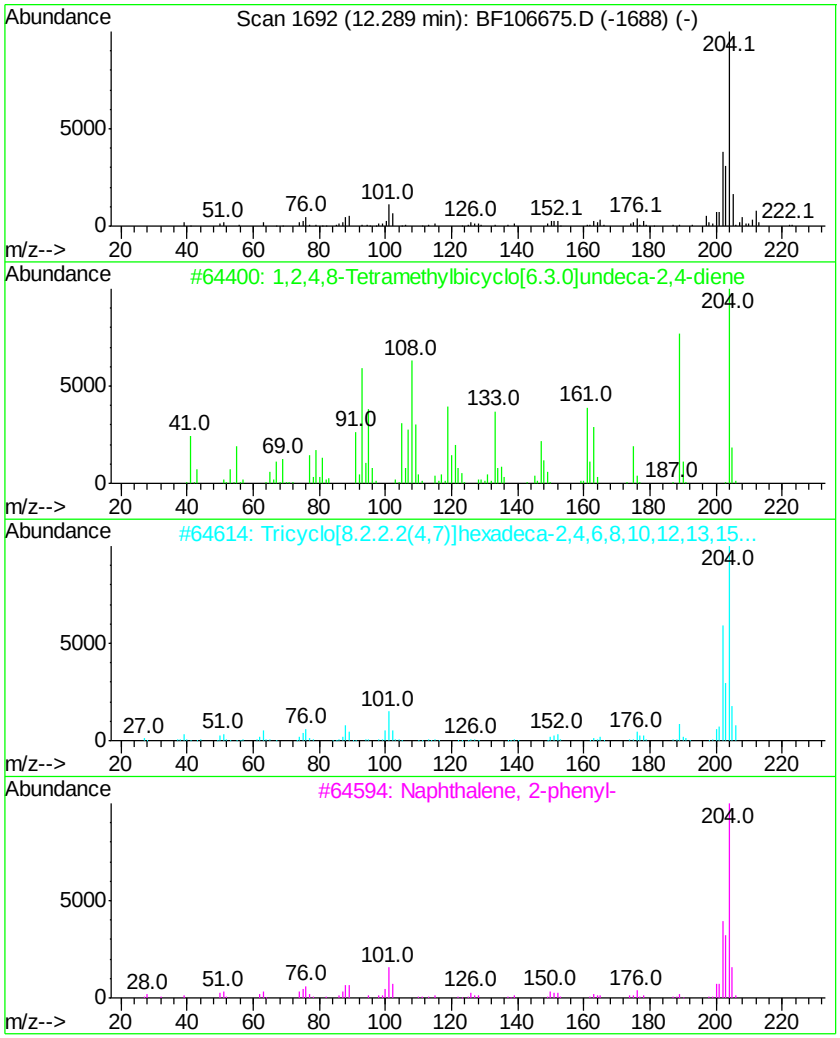
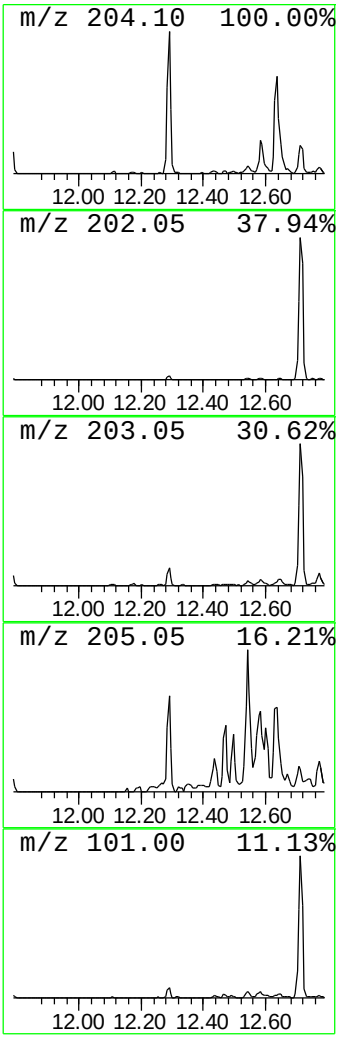
Peak Number 12 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	5.50 ng	129959	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	68
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	64





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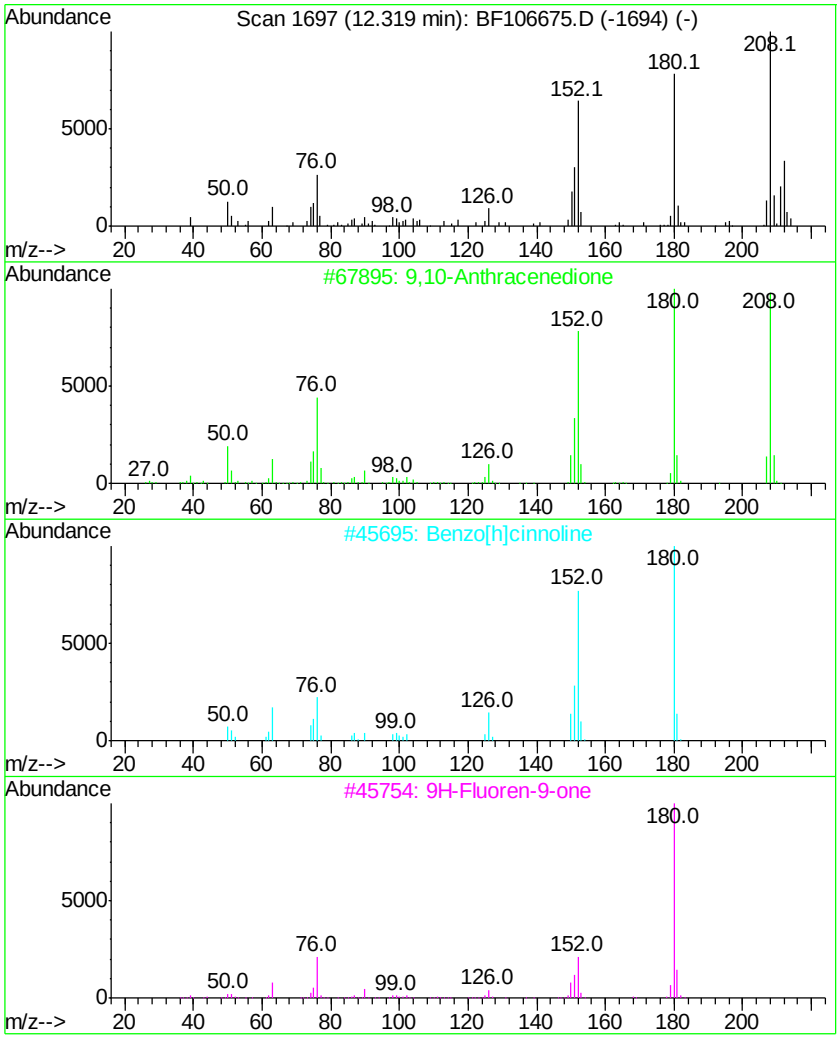
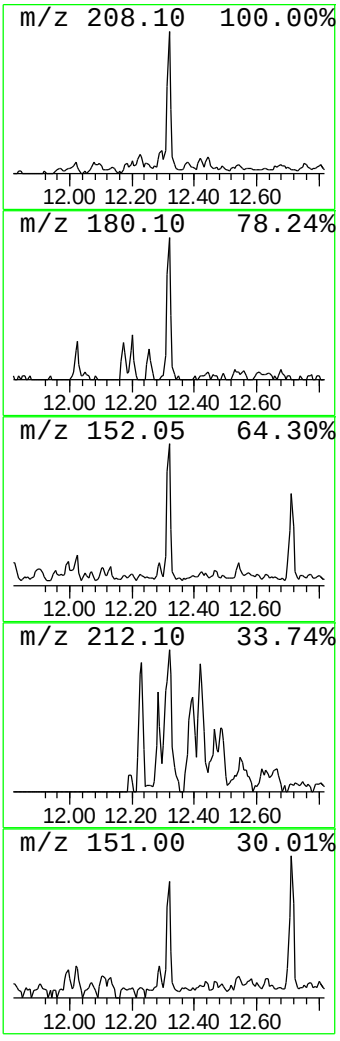
Peak Number 13 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	4.40 ng	103971	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	86
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	46





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

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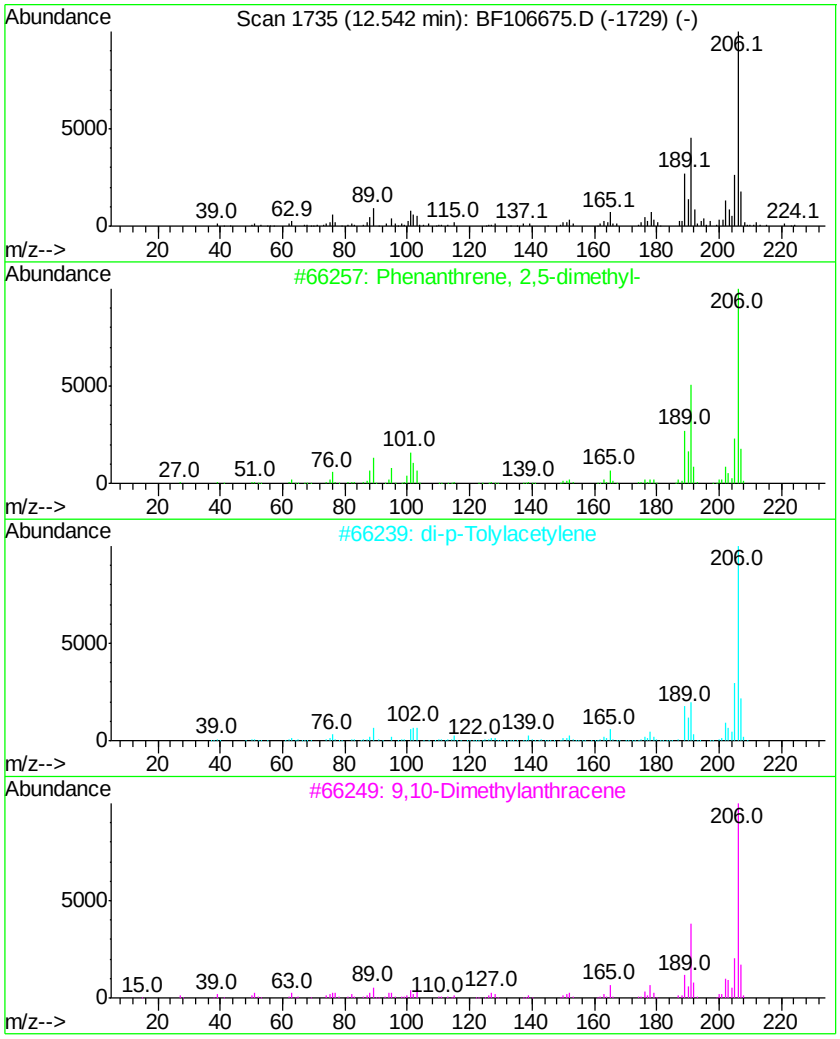
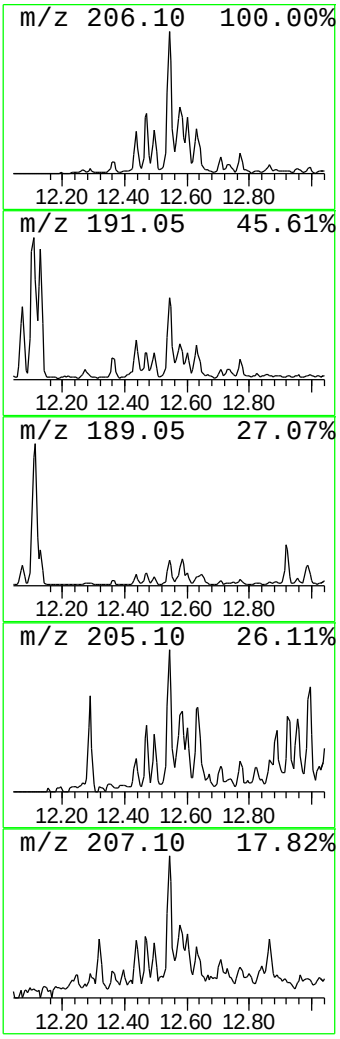
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	10.10 ng	238577	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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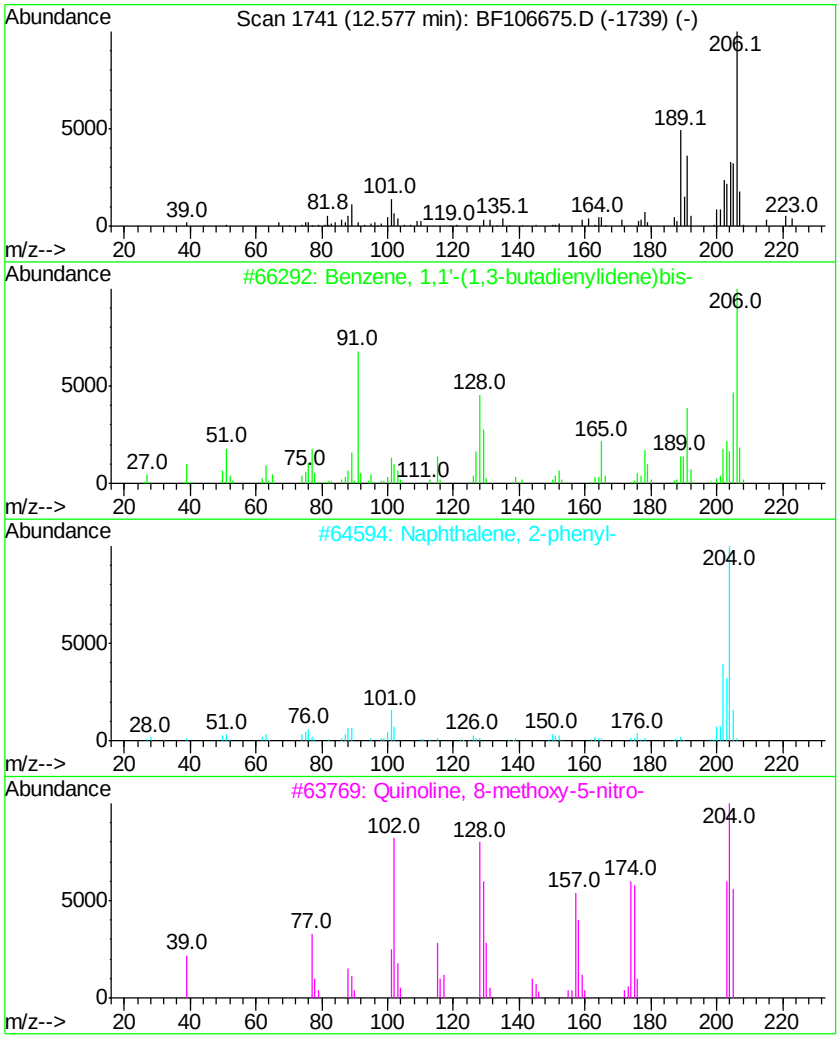
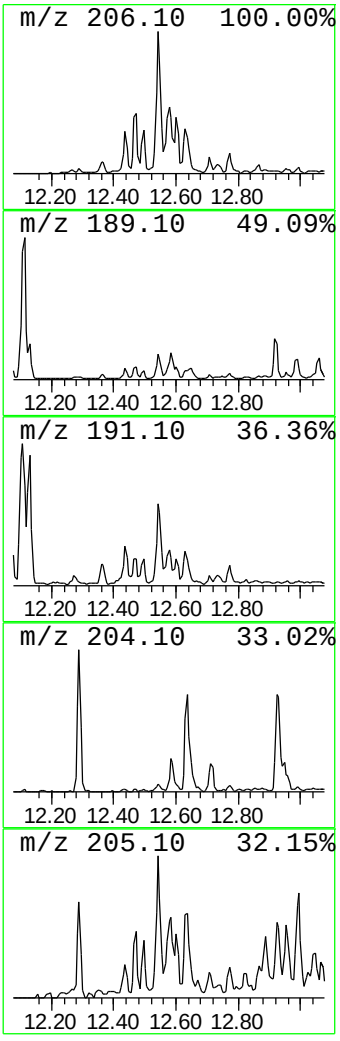
Peak Number 15 unknown12.58 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	3.92 ng	92663	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	30
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
3	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	30
4	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	27
5	2H-1,3-Oxazine, 2-[(2,6-dimethyl...	204	C12H16N2O	054708-09-7	27





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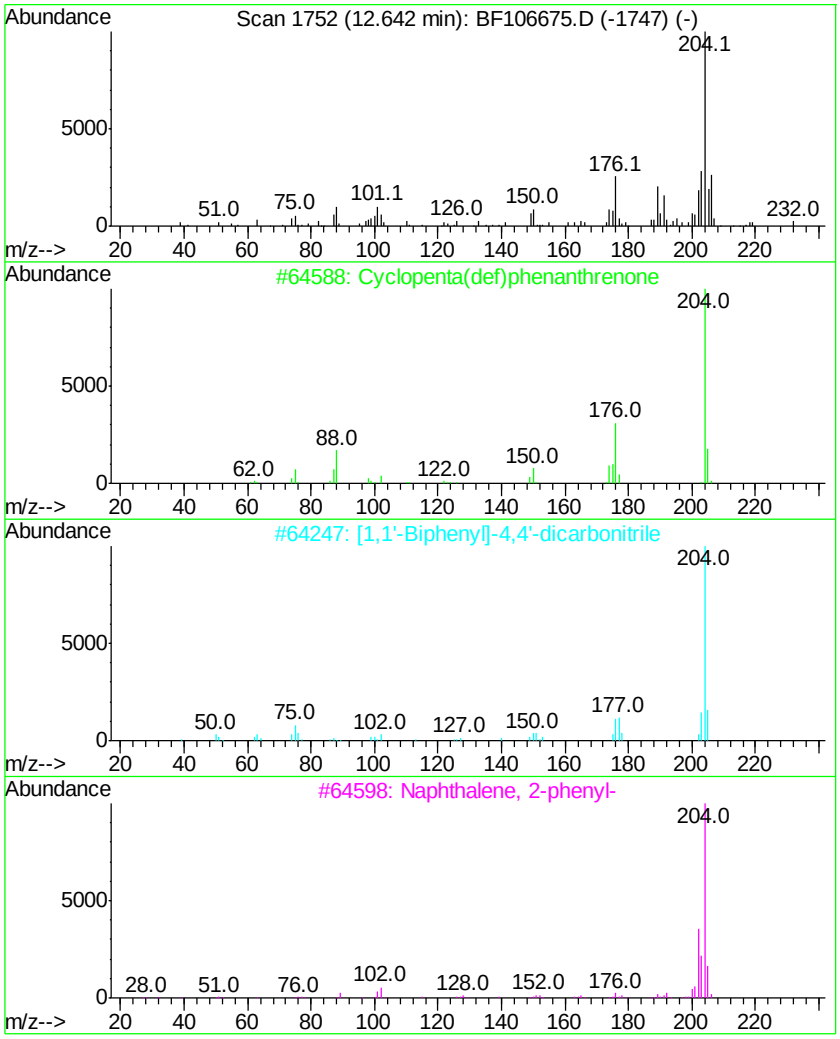
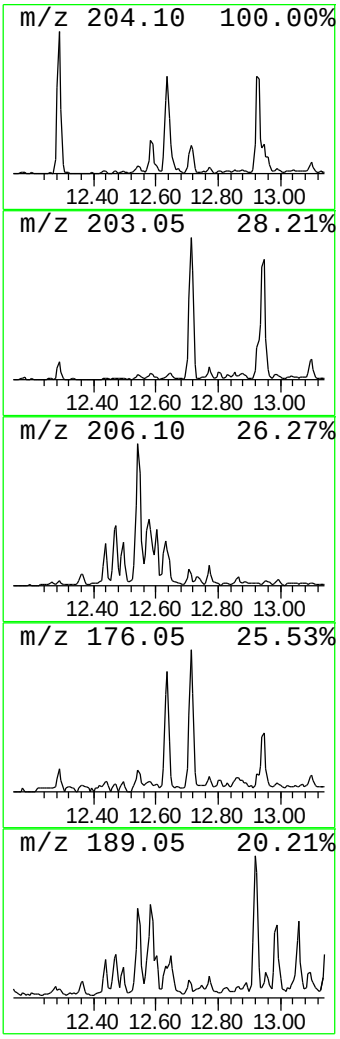
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	5.89 ng	139006	Phenanthrene-d10	11.50

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	52
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
4	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	46
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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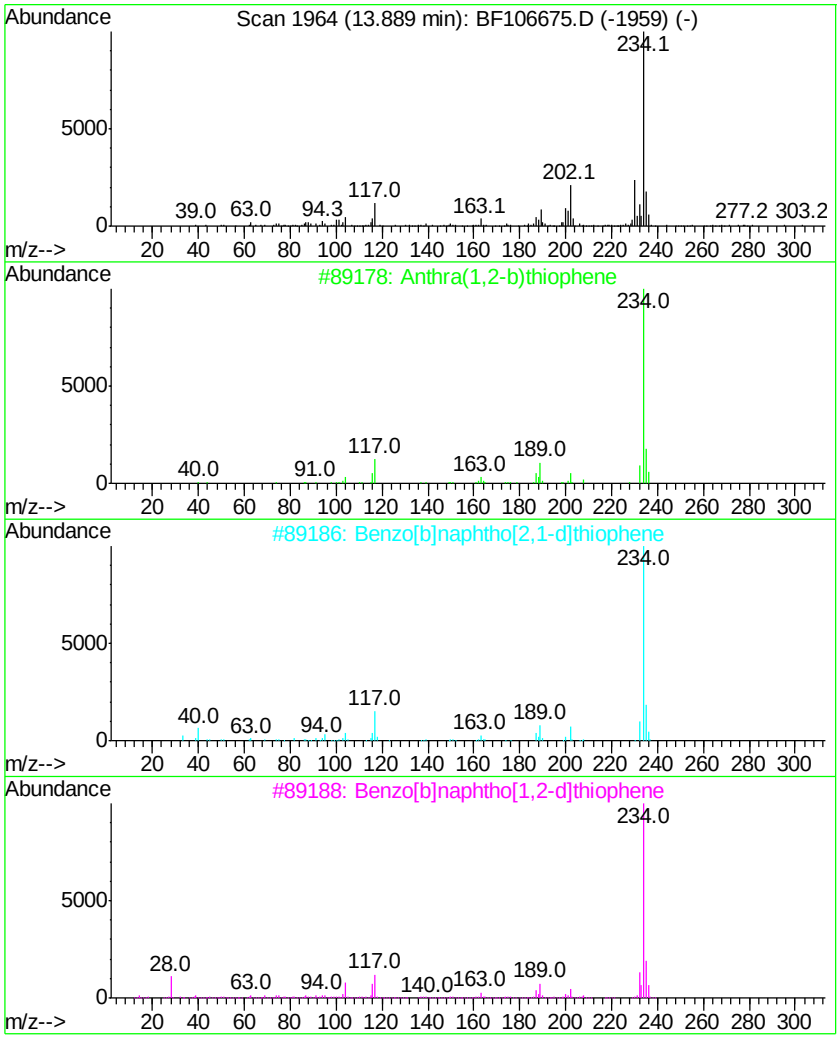
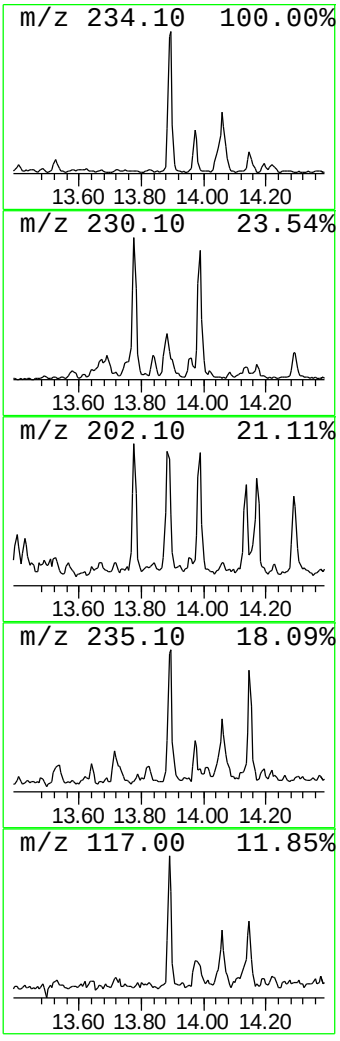
Peak Number 17 Anthra(1,2-b)thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	3.52 ng	208695	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	86
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	86
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	86
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	70
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64





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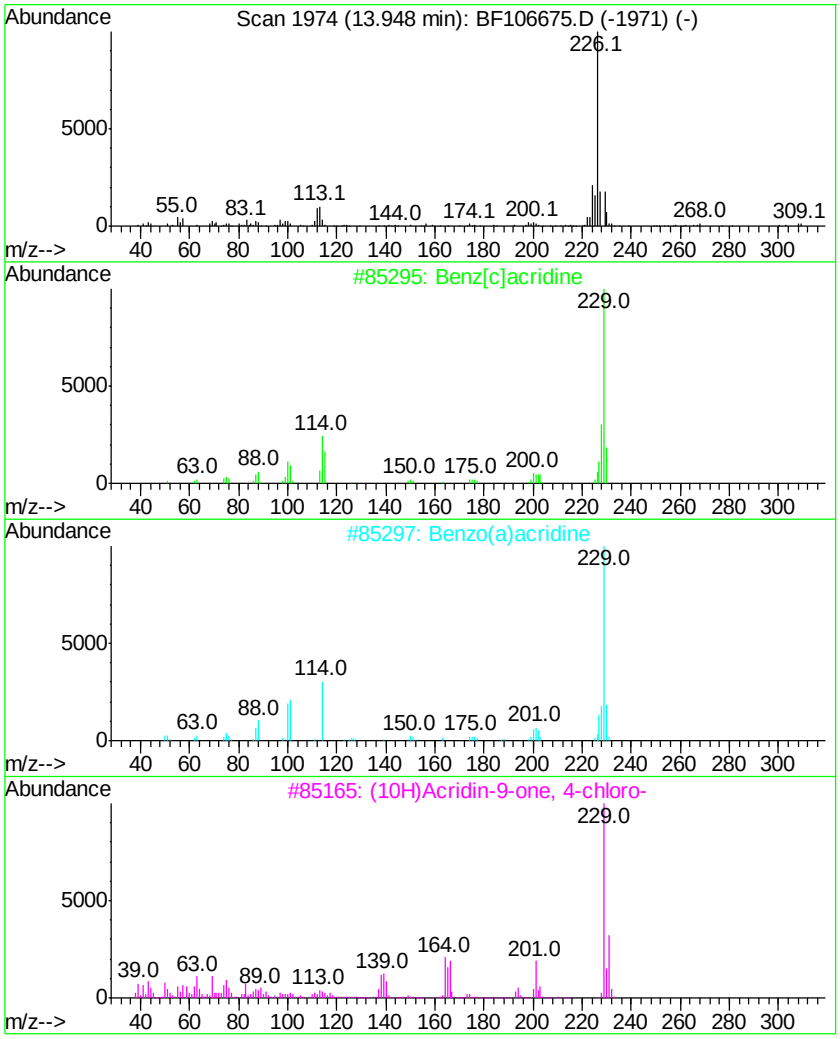
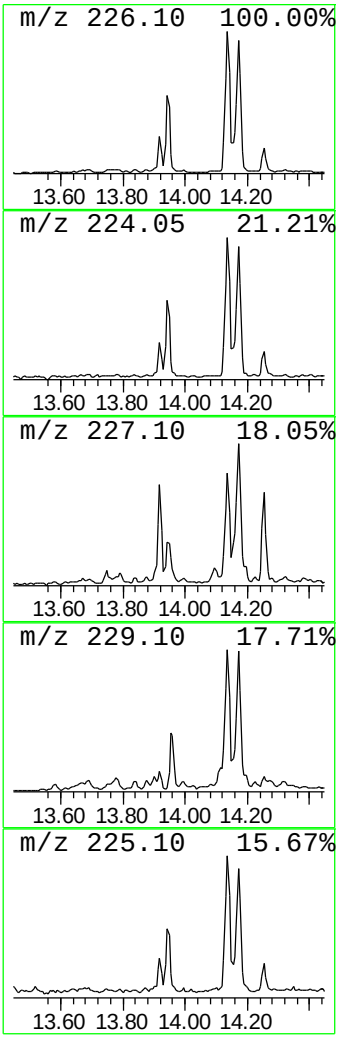
Peak Number 18 Benz[c]acridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.37 ng	199632	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	60
2	Benzo(a)acridine	229	C17H11N	000225-11-6	46
3	(10H)Acridin-9-one, 4-chloro-	229	C13H8ClNO	069220-40-2	43
4	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	40
5	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	38





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Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
Data File : BF106675.D
Acq On : 21 Jun 2018 21:49
Operator : JU/SJ
Sample : J3247-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-01-061918

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

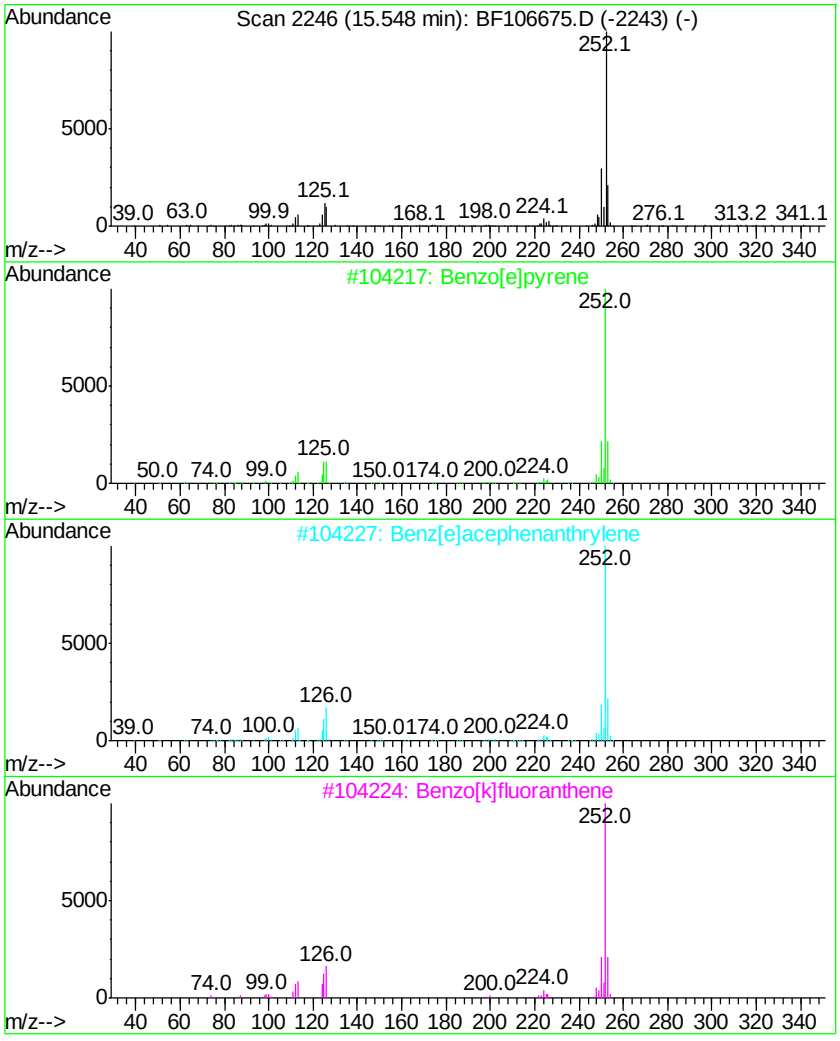
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

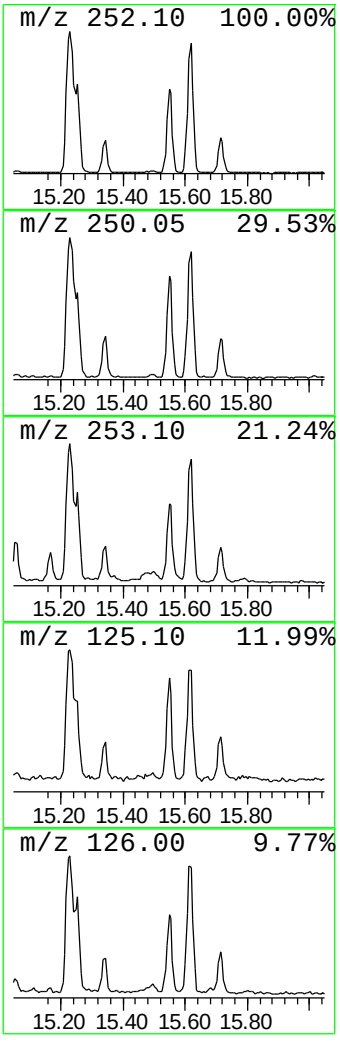
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	13.22 ng	252773	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062118\
Data File : BF106675.D
Acq On : 21 Jun 2018 21:49
Operator : JU/SJ
Sample : J3247-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-01-061918

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.20	7.0	ng	127015	1	6.96	362244	20.0
unknown6.74	6.74	61.5	ng	1113530	1	6.96	362244	20.0
Naphthalene, 2,3-...	9.65	3.4	ng	74657	3	10.00	443596	20.0
9H-Fluorene, 2-me...	11.10	3.3	ng	78111	4	11.50	472302	20.0
Naphtho[2,1-b]thi...	11.39	3.5	ng	81600	4	11.50	472302	20.0
Anthracene, 2-met...	12.00	8.3	ng	195755	4	11.50	472302	20.0
Phenanthrene, 2-m...	12.02	9.3	ng	218791	4	11.50	472302	20.0
Benzaldehyde, 3,5...	12.11	13.4	ng	317086	4	11.50	472302	20.0
Anthracene, 1-met...	12.13	5.1	ng	119568	4	11.50	472302	20.0
1,2,4,8-Tetrameth...	12.29	5.5	ng	129959	4	11.50	472302	20.0
9,10-Anthracenedione	12.32	4.4	ng	103971	4	11.50	472302	20.0
Phenanthrene, 2,5...	12.54	10.1	ng	238577	4	11.50	472302	20.0
unknown12.58	12.58	3.9	ng	92663	4	11.50	472302	20.0
Cyclopenta(def)ph...	12.64	5.9	ng	139006	4	11.50	472302	20.0
Anthra(1,2-b)thio...	13.89	3.5	ng	208695	5	14.15	1185450	20.0
Benz[c]acridine	13.95	3.4	ng	199632	5	14.15	1185450	20.0
Benzo[e]pyrene	15.55	13.2	ng	252773	6	15.68	382321	20.0