LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106596.D
Acq On : 19 Jun 2018 21:37
Operator : JU/SJ
Sample : J3249-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-E

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	5.190	481	485	493	rBV	73278	77676	5.52%	0.329%
2	5.601	552	555	563	rBV	1011946	904908	64.26%	3.829%
3	6.601	721	725	736	rBV	1074045	874580	62.11%	3.701%
4	6.737	744	748	751	rBV	1153469	917883	65.18%	3.884%
5	6.960	782	786	790	rVB	762875	590203	41.91%	2.498%
6	7.113	809	812	816	rBV	808921	745188	52.92%	3.153%
7	7.519	877	881	889	rVB	648801	555186	39.43%	2.349%
8	8.242	1001	1004	1008	rVV	825071	687965	48.86%	2.911%
9	8.290	1010	1012	1015	rVB	16795	15074	1.07%	0.064%
10	8.525	1046	1052	1056	rBV4	13190	19074	1.35%	0.081%
11	8.819	1098	1102	1107	rBV	25969	25371	1.80%	0.107%
12	9.184	1161	1164	1168	rBV5	13970	15999	1.14%	0.068%
13	9.248	1173	1175	1178	rVB	25195	18424	1.31%	0.078%
14	9.319	1183	1187	1190	rBV	1022756	915782	65.03%	3.875%
15	9.384	1196	1198	1202	rVB	48357	42298	3.00%	0.179%
16	9.578	1227	1231	1237	rBV8	19527	32245	2.29%	0.136%
17	9.660	1241	1245	1247	rVV	34599	36813	2.61%	0.156%
18	9.707	1250	1253	1261	rVB	134783	137574	9.77%	0.582%
19	9.778	1261	1265	1266	rBV2	20102	22726	1.61%	0.096%
20	9.866	1276	1280	1283	rBV	95238	97439	6.92%	0.412%
21	9.913	1285	1288	1293	rVB	77906	73432	5.21%	0.311%
22	10.001	1300	1303	1307	rBV2	679835	588464	41.79%	2.490%
23	10.036	1307	1309	1312	rVB	39736	32448	2.30%	0.137%
24	10.101	1317	1320	1324	rBV3	16559	18102	1.29%	0.077%
25	10.154	1325	1329	1331	rBV4	16217	25813	1.83%	0.109%
26	10.201	1334	1337	1341	rVB2	44713	44733	3.18%	0.189%
27	10.236	1341	1343	1348	rBV2	44905	47876	3.40%	0.203%
28	10.313	1353	1356	1359	rBV2	46844	55168	3.92%	0.233%
29	10.413	1368	1373	1377	rBV2	97951	116996	8.31%	0.495%
30	10.525	1390	1392	1393	rBV2	17351	15578	1.11%	0.066%
31	10.548	1393	1396	1403	rVB3	76886	92577	6.57%	0.392%
32	10.636	1406	1411	1413	rBV2	64386	74713	5.31%	0.316%
33	10.660	1413	1415	1418	rVB3	26202	21978	1.56%	0.093%
34	10.689	1418	1420	1421	rBV	19358	15663	1.11%	0.066%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J3249-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-E

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	10.795	1434	1438	1441	rBV	507463	448176	31.83%	1.897%
36	10.825	1441	1443	1447	rVB4	16199	18890	1.34%	0.080%
37	10.889	1451	1454	1464	rVB3	106203	198135	14.07%	0.838%
38	10.989	1468	1471	1473	rBV2	23197	21250	1.51%	0.090%
39	11.101	1484	1490	1492	rBV2	55954	85111	6.04%	0.360%
40	11.131	1492	1495	1497	rVB3	33122	34547	2.45%	0.146%
41	11.183	1501	1504	1506	rVB2	42538	40620	2.88%	0.172%
42	11.219	1506	1510	1511	rBV3	24917	30240	2.15%	0.128%
43	11.295	1521	1523	1526	rVB2	29866	25187	1.79%	0.107%
44	11.336	1528	1530	1533	rVV	90527	83941	5.96%	0.355%
45	11.366	1533	1535	1537	rVV	70228	69995	4.97%	0.296%
46	11.389	1537	1539	1543	rVB	69663	62112	4.41%	0.263%
47	11.495	1553	1557	1559	rBV	699059	606912	43.10%	2.568%
48	11.519	1559	1561	1565	rVV	681412	546116	38.78%	2.311%
49	11.572	1567	1570	1572	rVV	189510	158943	11.29%	0.673%
50	11.607	1572	1576	1578	rVV4	43706	64353	4.57%	0.272%
51	11.648	1581	1583	1589	rVV4	26814	42003	2.98%	0.178%
52	11.725	1593	1596	1600	rVV4	55325	68562	4.87%	0.290%
53	11.766	1600	1603	1605	rVV	75258	61973	4.40%	0.262%
54	11.789	1605	1607	1609	rVV	35840	26783	1.90%	0.113%
55	11.825	1610	1613	1617	rVB	71836	73579	5.23%	0.311%
56	11.872	1617	1621	1625	rVB	293644	251799	17.88%	1.066%
57	11.907	1625	1627	1630	rBV	41743	46569	3.31%	0.197%
58	11.995	1639	1642	1645	rBV	256701	244628	17.37%	1.035%
59	12.025	1645	1647	1651	rVB	334316	260623	18.51%	1.103%
60	12.072	1652	1655	1658	rBV	92881	82119	5.83%	0.348%
61	12.107	1658	1661	1664	rVV2	306877	363349	25.80%	1.538%
62	12.130	1664	1665	1670	rVB	202554	146628	10.41%	0.620%
63	12.178	1670	1673	1675	rBV	70401	63804	4.53%	0.270%
64	12.230	1679	1682	1685	rVB2	39560	35397	2.51%	0.150%
65	12.266	1685	1688	1689	rBV3	18200	21358	1.52%	0.090%
66	12.289	1689	1692	1695	rBV	107566	95232	6.76%	0.403%
67	12.319	1695	1697	1703	rVB2	66385	82031	5.83%	0.347%
68	12.372	1703	1706	1708	rBV2	20860	28936	2.05%	0.122%
69	12.425	1712	1715	1716	rBV	48771	44928	3.19%	0.190%
70	12.442	1716	1718	1720	rVV	56932	47045	3.34%	0.199%
71	12.472	1720	1723	1725	rVV	99336	72837	5.17%	0.308%

LSC Area Percent Report

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Sample : J3249-09 2X
Misc :
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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.495	1725	1727	1730	rVB2	74676	58552	4.16%	0.248%
73	12.560	1732	1738	1740	rBV2	1101098	1179221	83.74%	4.990%
74	12.583	1740	1742	1745	rVV3	804897	768003	54.54%	3.250%
75	12.636	1748	1751	1754	rBV2	124247	164423	11.68%	0.696%
76	12.666	1754	1756	1760	rVB2	172736	147934	10.51%	0.626%
77	12.713	1760	1764	1768	rBV	1093790	971672	69.00%	4.112%
78	12.754	1768	1771	1773	rBV	70860	66212	4.70%	0.280%
79	12.777	1773	1775	1777	rVB2	58105	45838	3.26%	0.194%
80	12.807	1778	1780	1782	rBV2	52831	39865	2.83%	0.169%
81	12.866	1788	1790	1792	rBV2	63599	50243	3.57%	0.213%
82	12.889	1792	1794	1797	rVV3	38578	35693	2.53%	0.151%
83	12.948	1797	1804	1809	rVV	1204996	1299697	92.30%	5.500%
84	12.995	1809	1812	1815	rVB2	113914	118434	8.41%	0.501%
85	13.077	1823	1826	1834	rVB	1061013	1028944	73.07%	4.354%
86	13.154	1836	1839	1847	rBV4	136687	281801	20.01%	1.193%
87	13.248	1852	1855	1856	rVV2	110440	115103	8.17%	0.487%
88	13.272	1856	1859	1861	rVB	247773	234150	16.63%	0.991%
89	13.336	1868	1870	1873	rVB	159747	125288	8.90%	0.530%
90	13.377	1873	1877	1881	rBV2	246148	267159	18.97%	1.131%
91	13.472	1890	1893	1895	rBV	176613	141629	10.06%	0.599%
92	13.501	1895	1898	1901	rBV	184667	167195	11.87%	0.708%
93	13.783	1943	1946	1950	rVB	97240	103565	7.35%	0.438%
94	13.924	1968	1970	1972	rBV	98752	68947	4.90%	0.292%
95	13.966	1972	1977	1979	rBV3	110236	174569	12.40%	0.739%
96	14.148	2003	2008	2011	rBV2	961576	1408169	100.00%	5.959%
97	14.177	2011	2013	2019	rVB	575062	495509	35.19%	2.097%
98	15.236	2189	2193	2197	rBV	316266	524375	37.24%	2.219%
99	15.624	2256	2259	2266	rBV	294142	411354	29.21%	1.741%
100	15.695	2267	2271	2275	rVV	434450	526636	37.40%	2.229%

Sum of corrected areas: 23630840

LSC Report - Integrated Chromatogram

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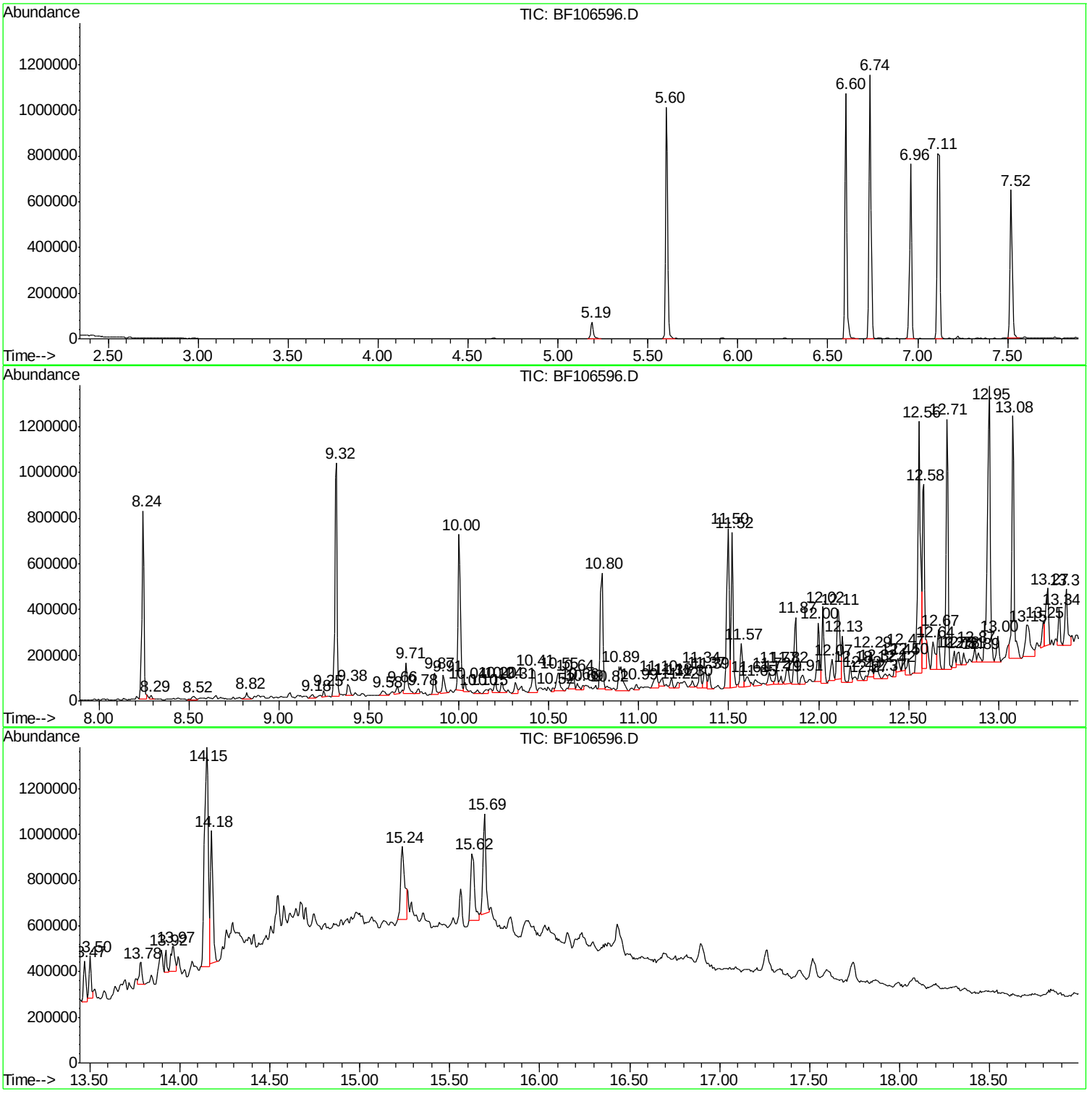
Sample : J3249-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-E

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\BF061918\
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Misc :
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Instrument : BNA_F
ClientSampleId : PL-01-061818-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
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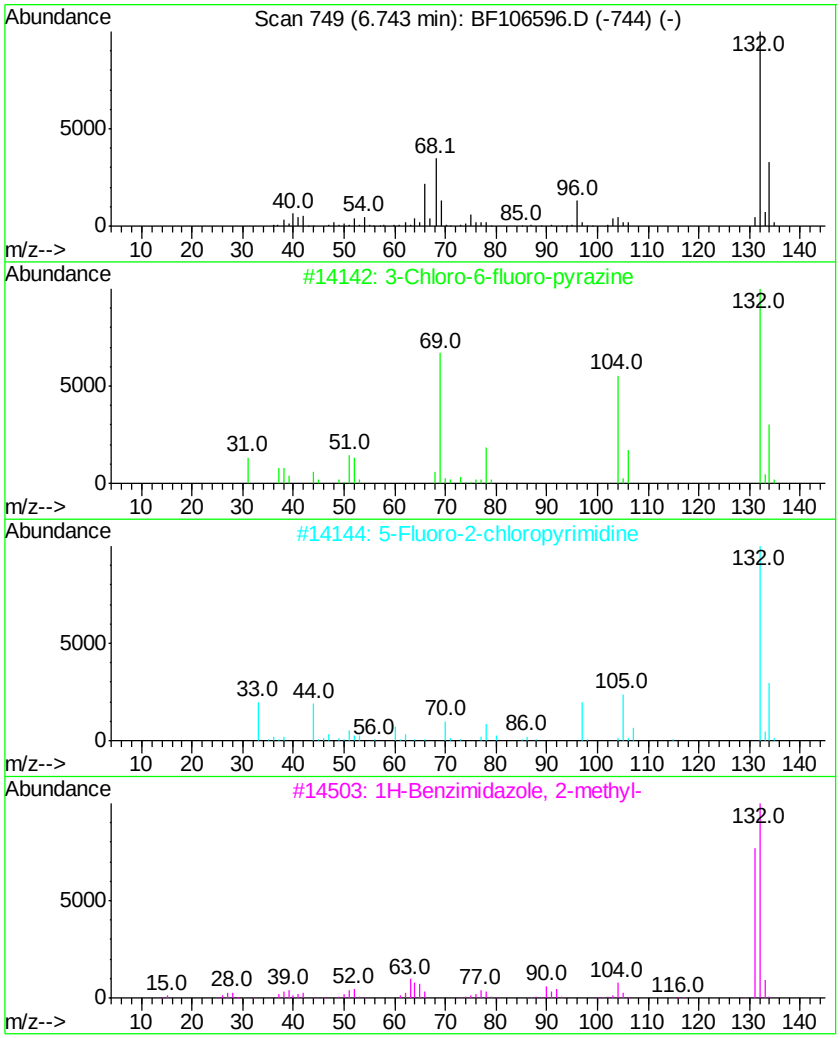
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

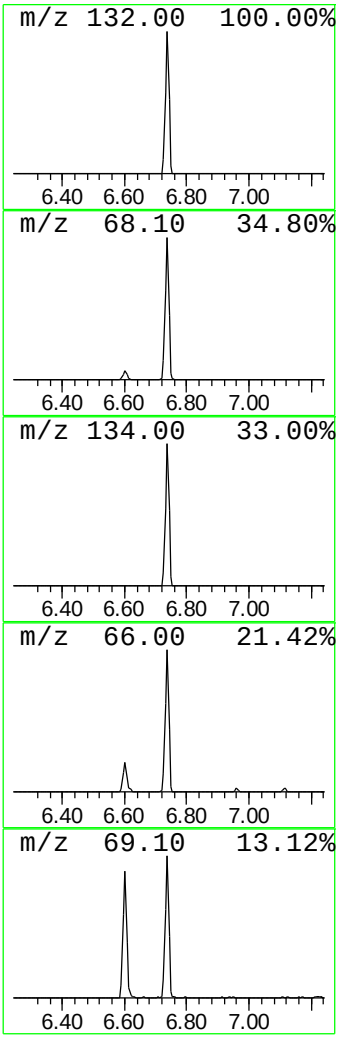
****

Peak Number 1 unknown6.74 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	31.10 ng	917883	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-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
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Instrument : BNA_F
ClientSampleId : PL-01-061818-E

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

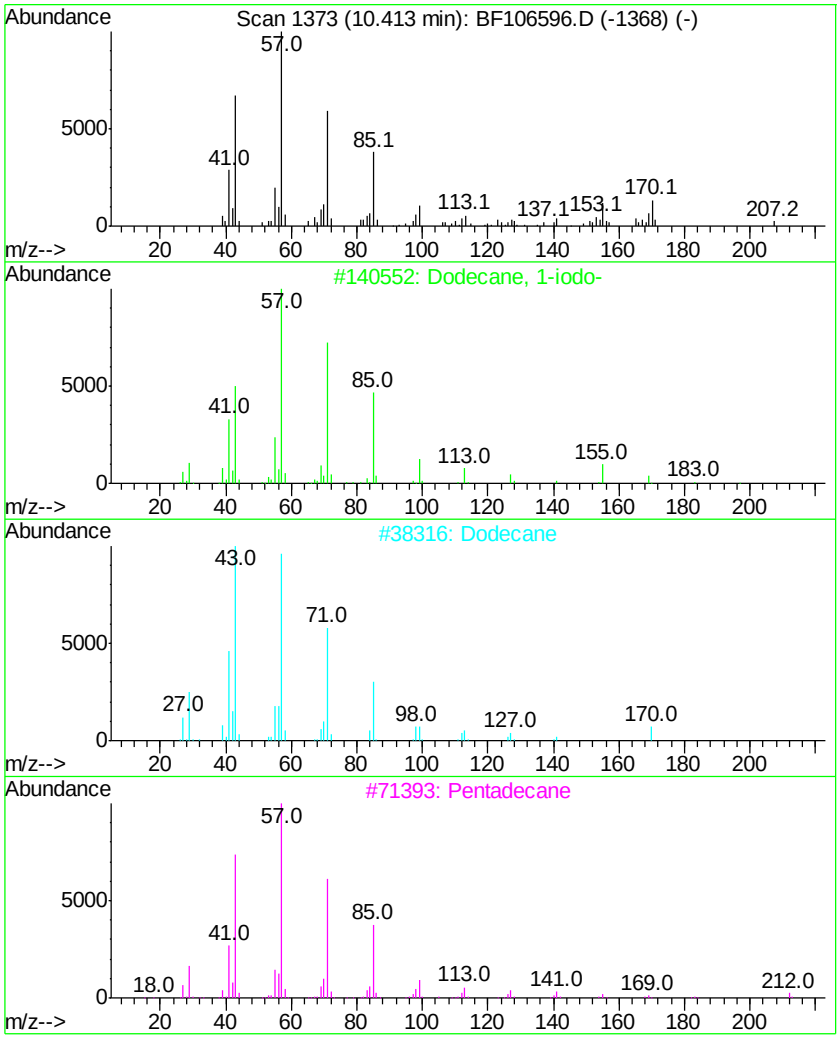
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

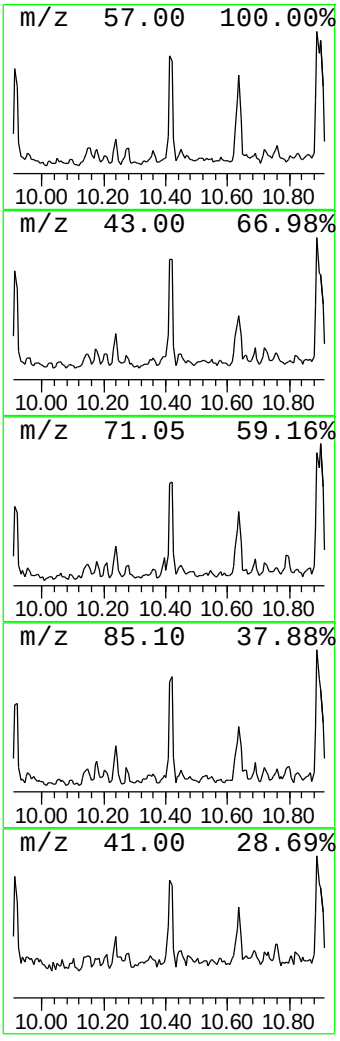
****

Peak Number 3 Dodecane, 1-iodo- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	3.98 ng	116996	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
2	Dodecane	170	C12H26	000112-40-3	68
3	Pentadecane	212	C15H32	000629-62-9	64
4	Hexadecane	226	C16H34	000544-76-3	64
5	Eicosane	282	C20H42	000112-95-8	64





Library Search Compound Report

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ClientSampleId :
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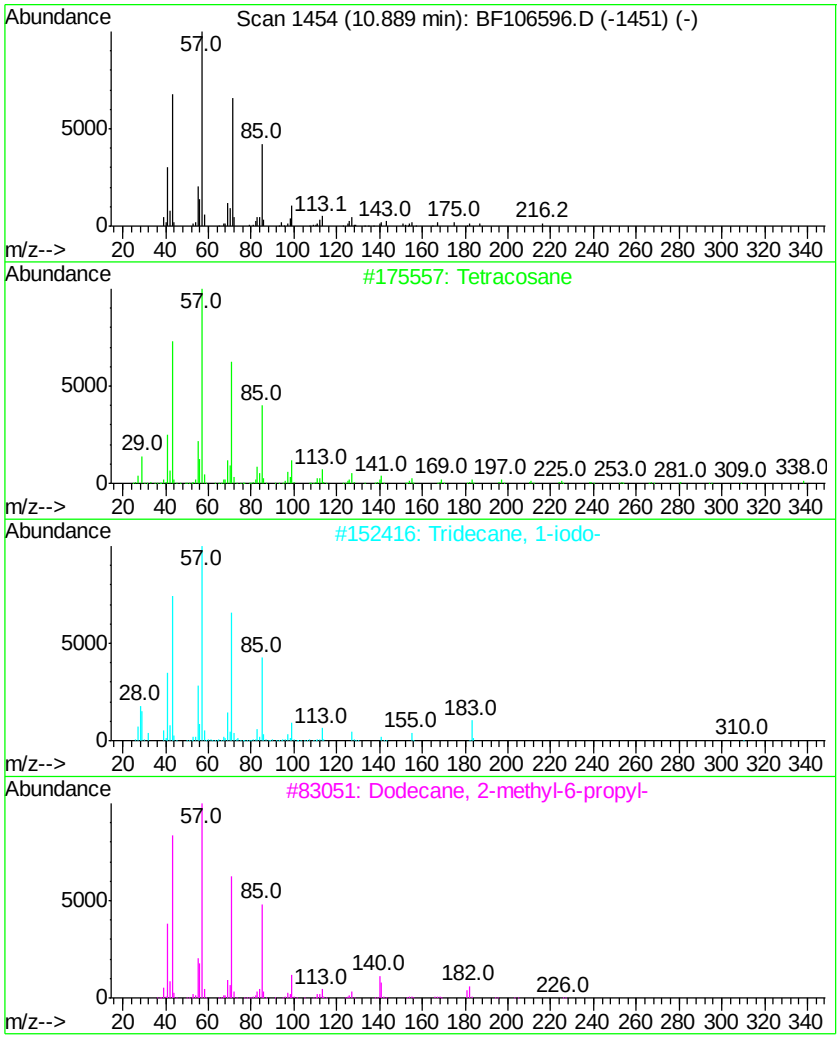
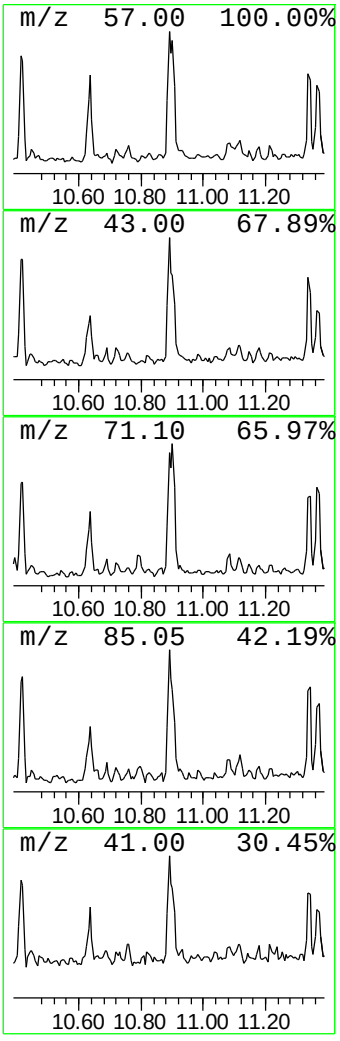
Peak Number 4 Tetracosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	6.53 ng	198135	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	90
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
4	Tetradecane	198	C14H30	000629-59-4	80
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72





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Instrument : BNA_F
ClientSampleId : PL-01-061818-E

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

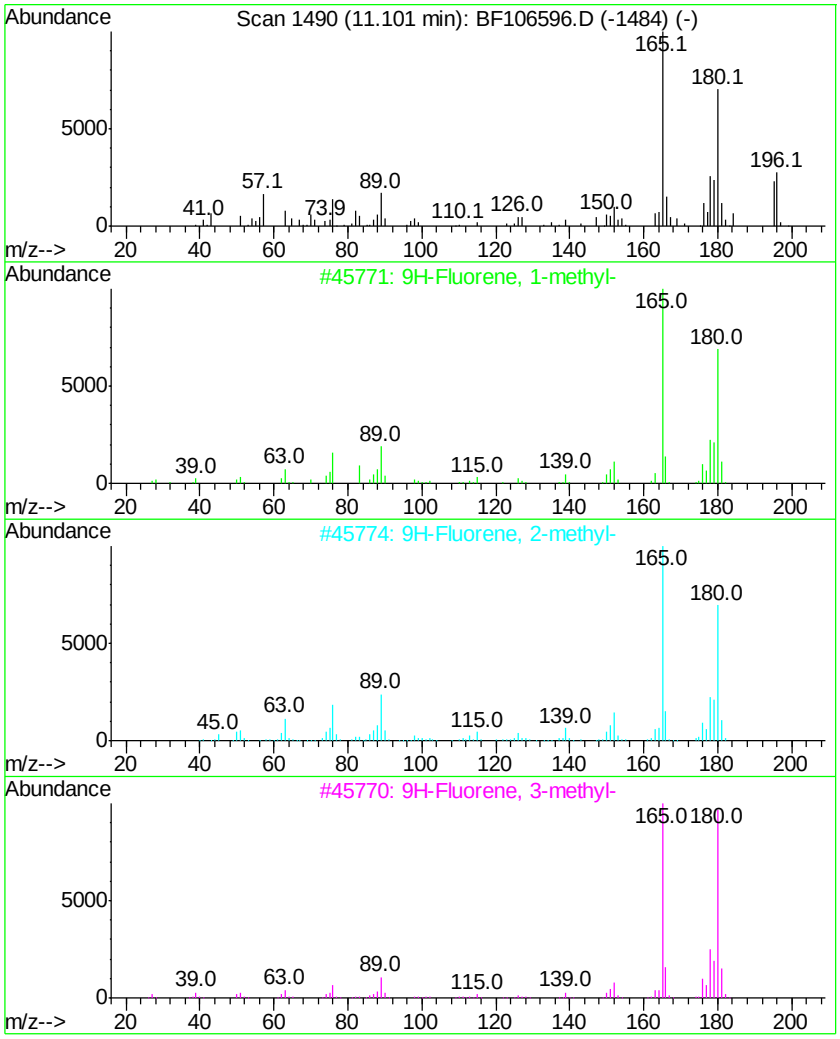
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

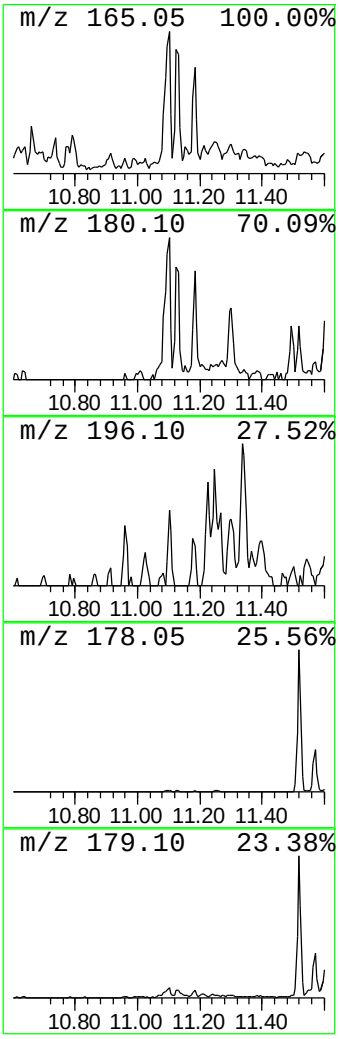
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	2.80 ng	85111	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83
5	Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	60





Library Search Compound Report

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Data File : BF106596.D
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-E

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

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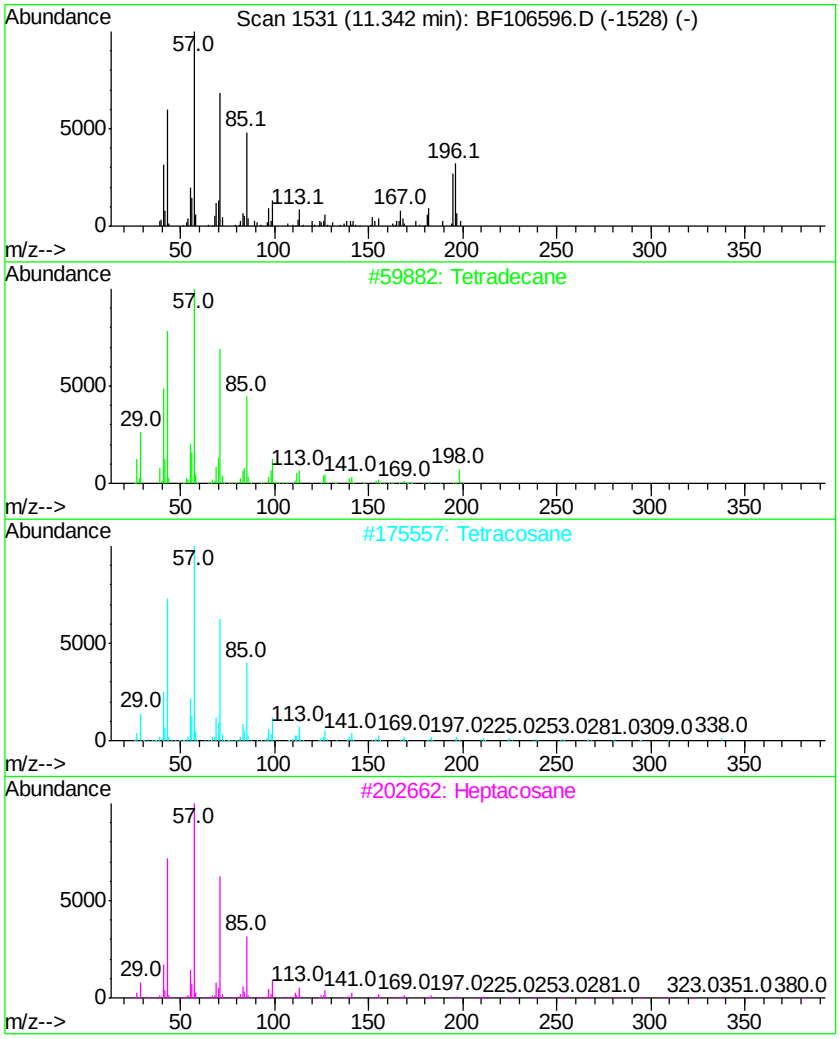
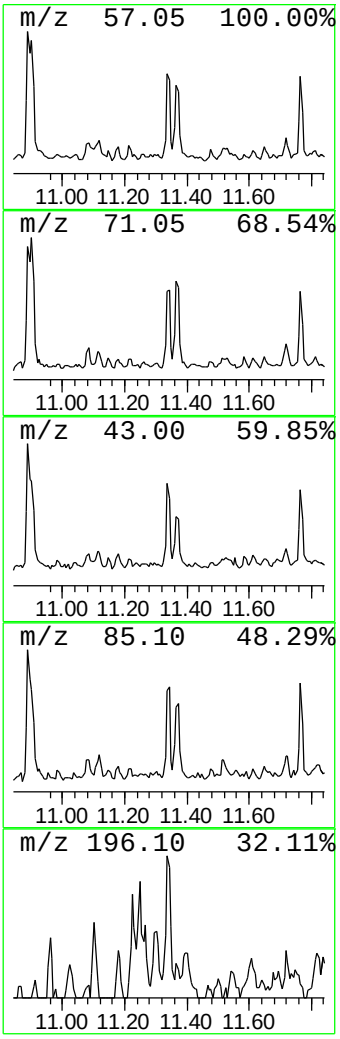
Peak Number 6 Tetradecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	2.77 ng	83941	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	64
2	Tetracosane	338	C24H50	000646-31-1	62
3	Heptacosane	380	C27H56	000593-49-7	58
4	Octacosane	394	C28H58	000630-02-4	58
5	Eicosane	282	C20H42	000112-95-8	52





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Acq On : 19 Jun 2018 21:37
Operator : JU/SJ
Sample : J3249-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-E

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

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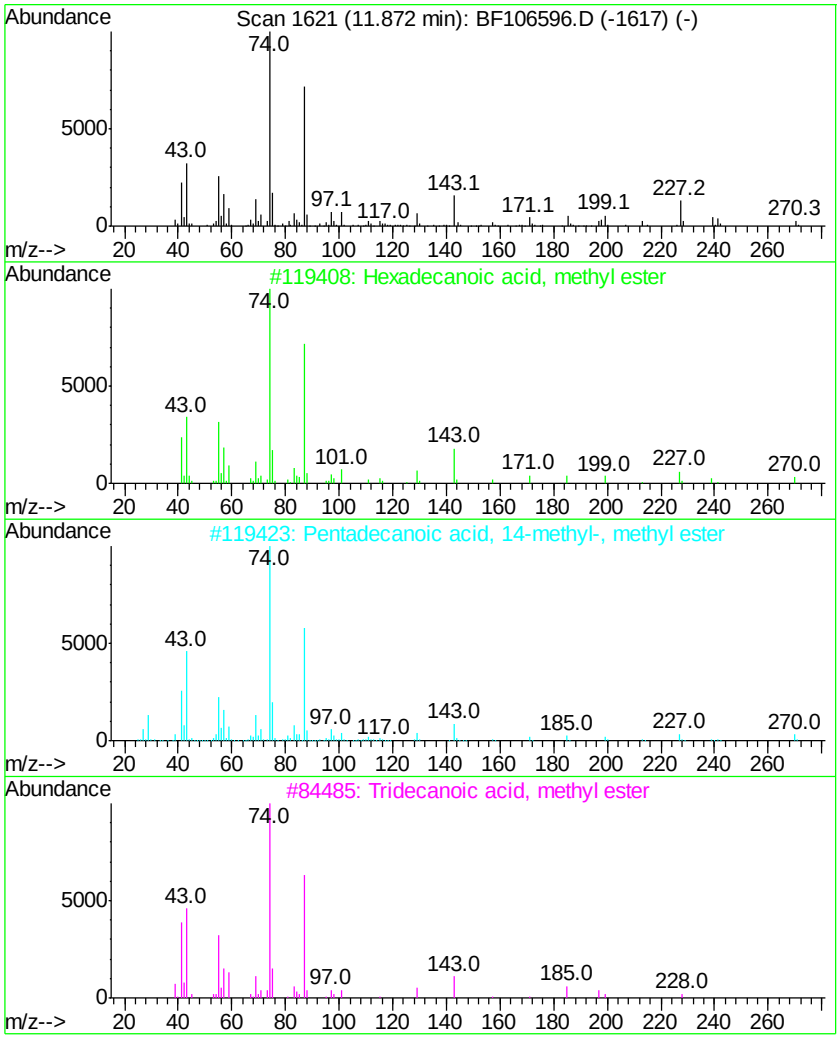
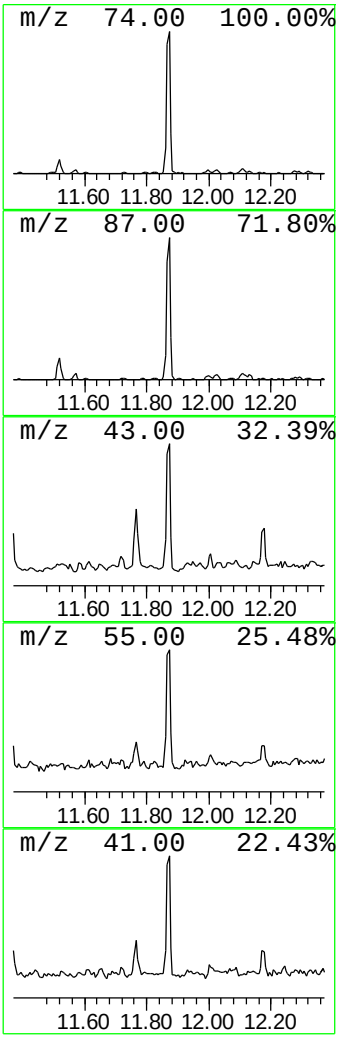
Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	8.30 ng	251799	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	89
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83





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Misc :
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Instrument : BNA_F
ClientSampleId : PL-01-061818-E

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

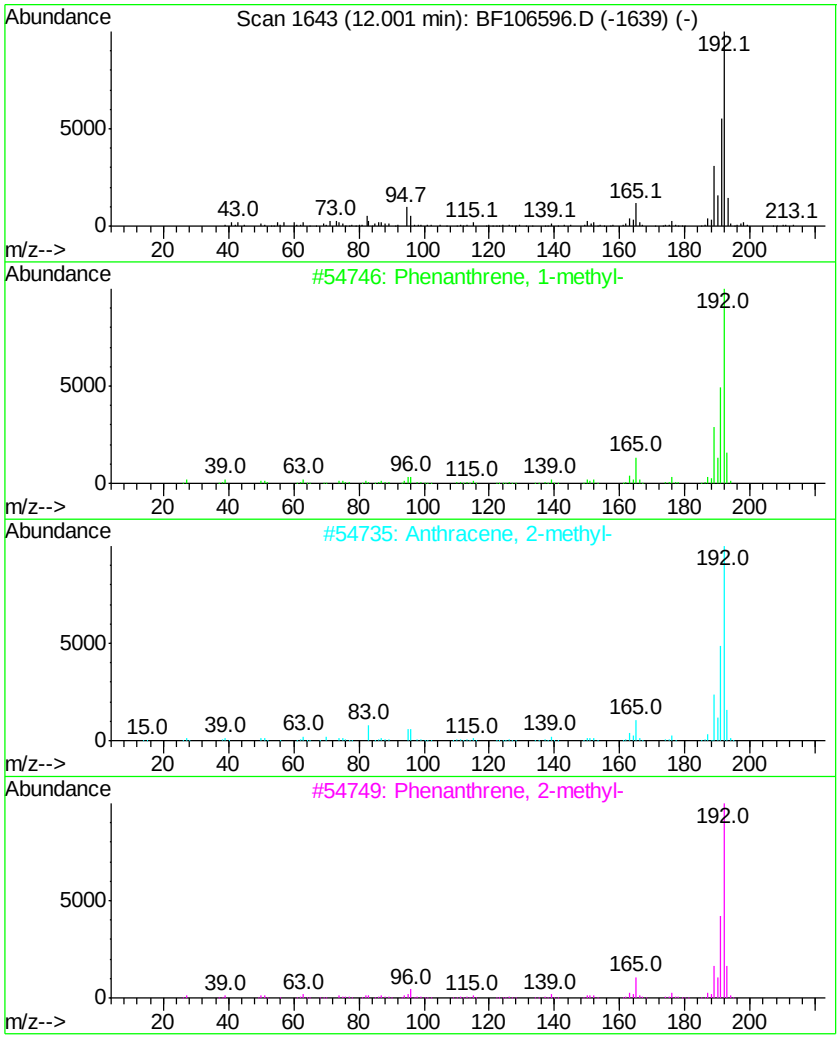
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

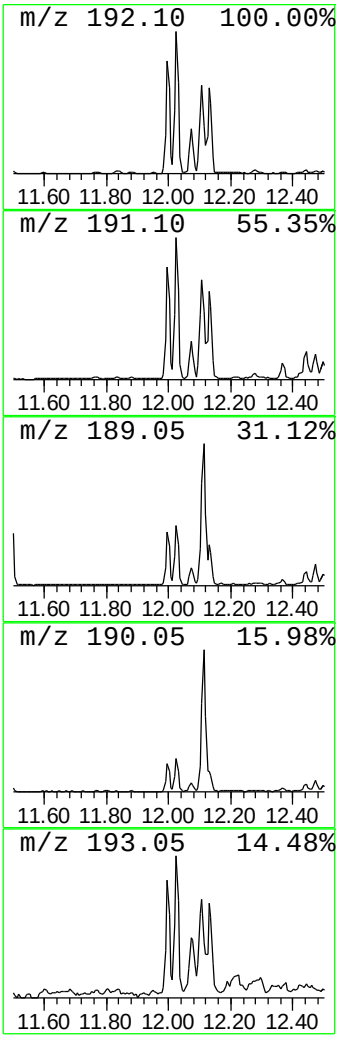
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	8.06 ng	244628	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Library Search Compound Report

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Operator : JU/SJ
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Misc :
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ClientSampleId : PL-01-061818-E

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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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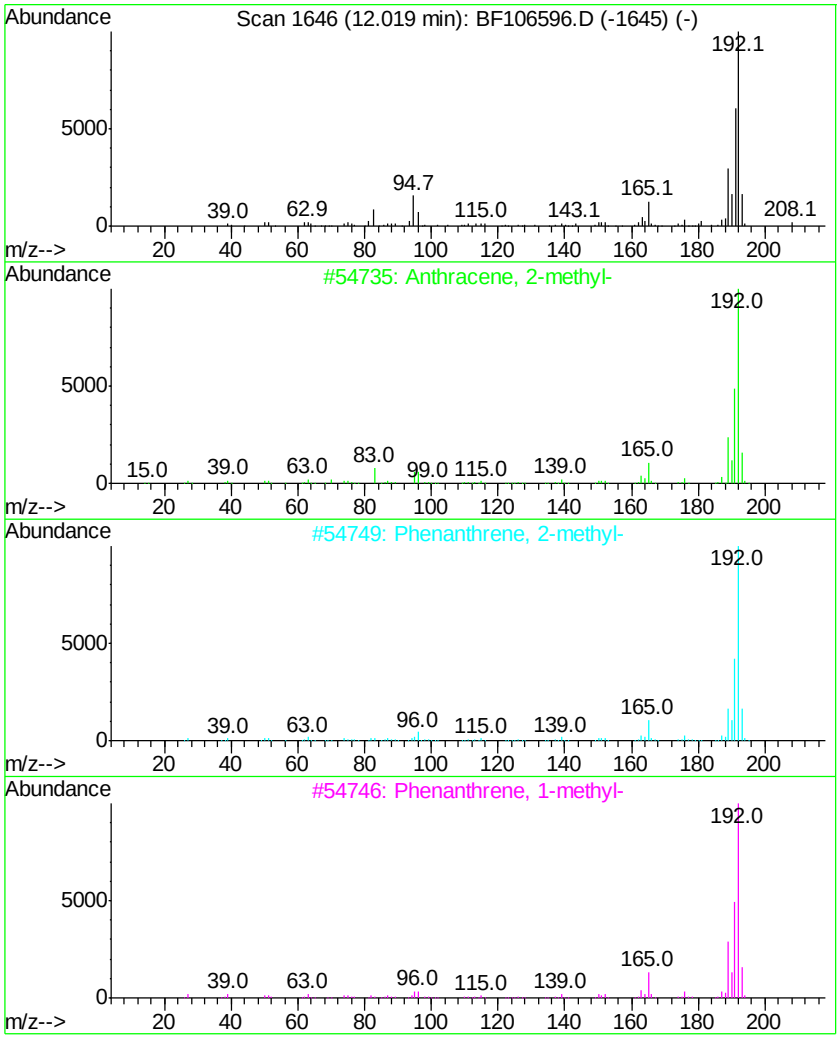
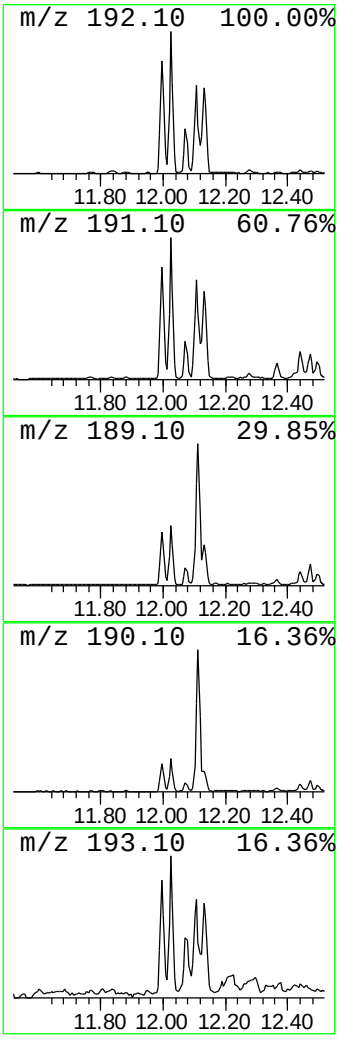
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	8.59 ng	260623	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Sample : J3249-09 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : PL-01-061818-E

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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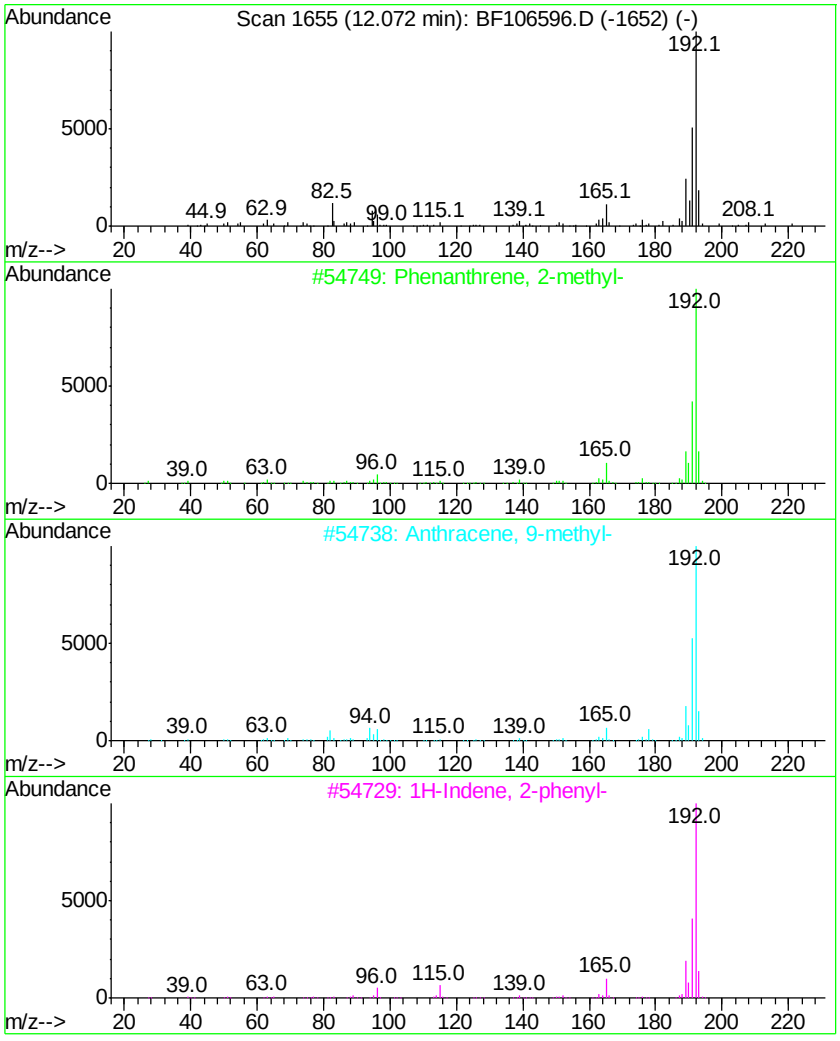
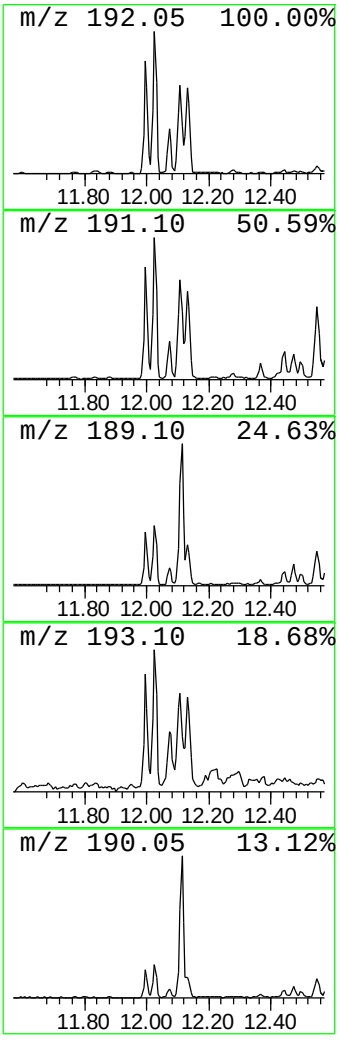
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.71 ng	82119	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : PL-01-061818-E

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

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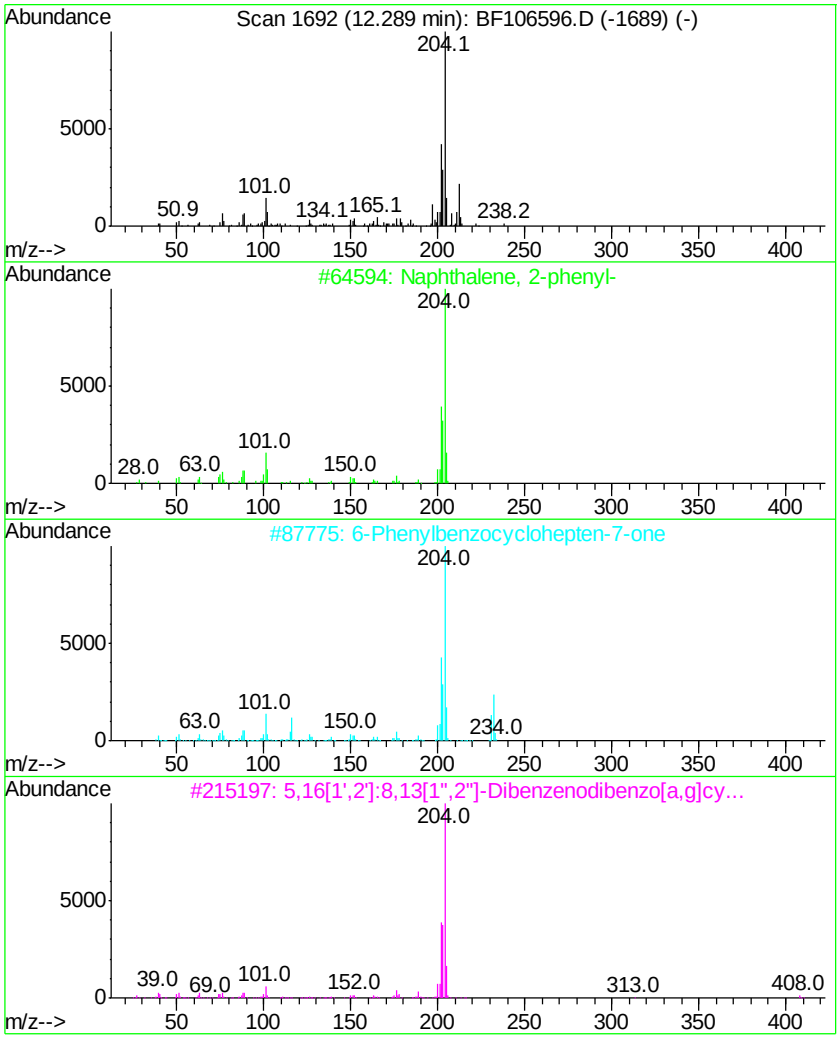
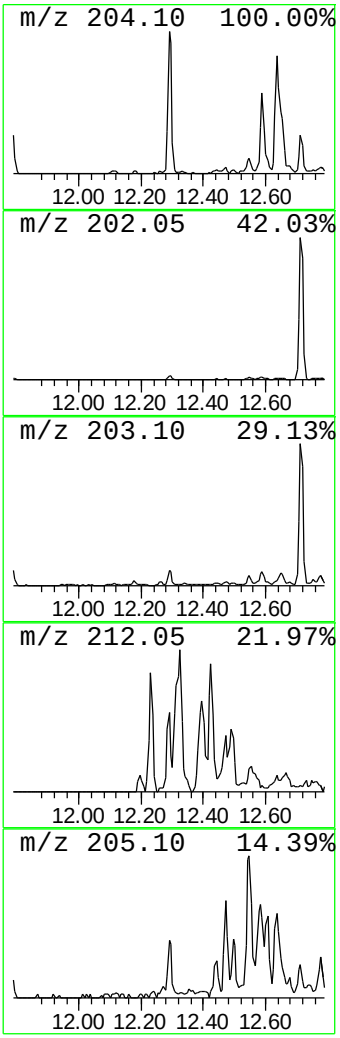
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.14 ng	95232	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	50
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49





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Misc :
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ClientSampleId : PL-01-061818-E

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

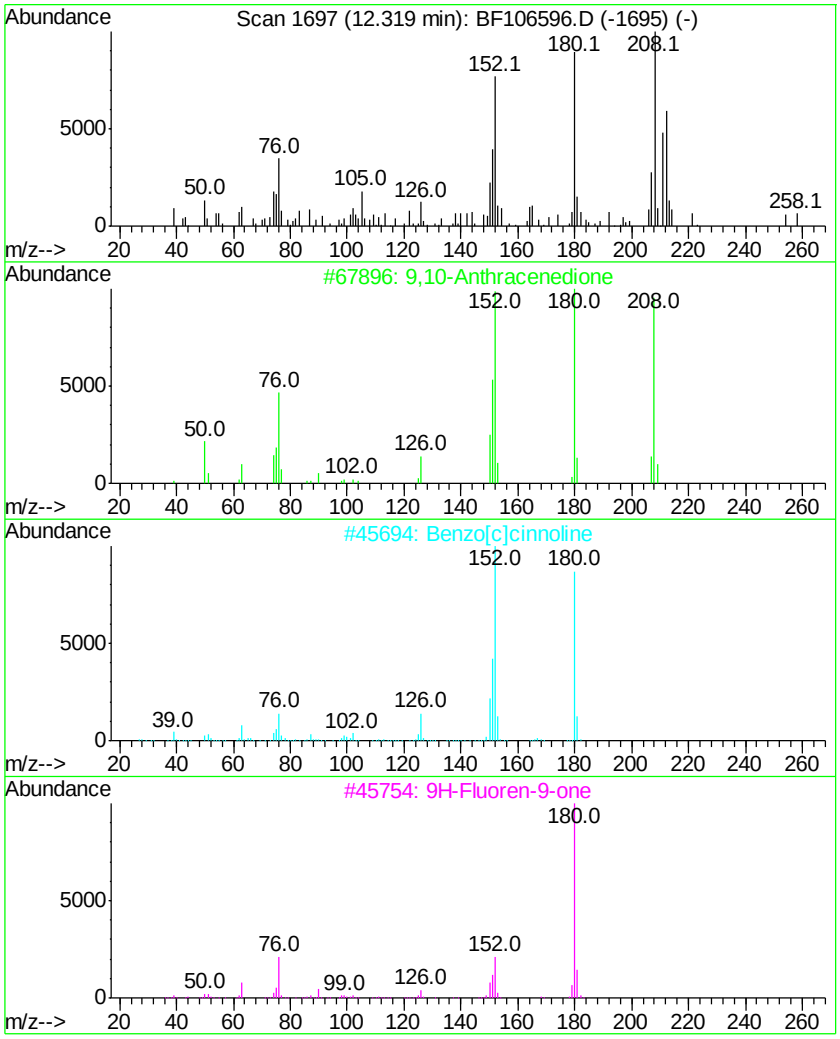
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

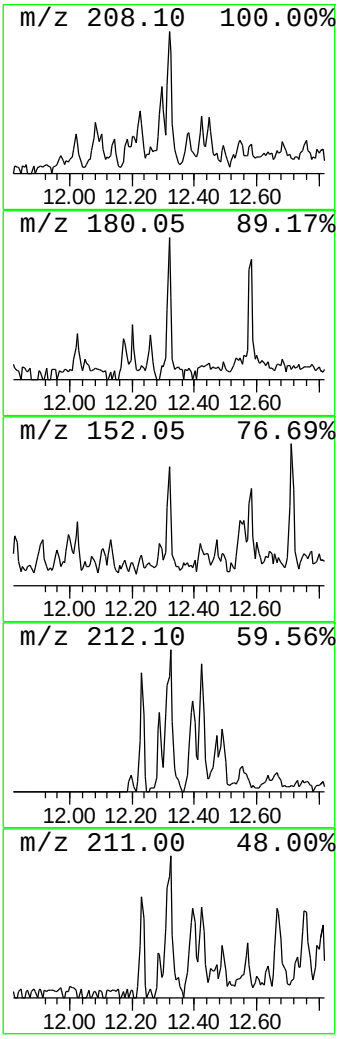
****

Peak Number 14 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	2.70 ng	82031	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-E

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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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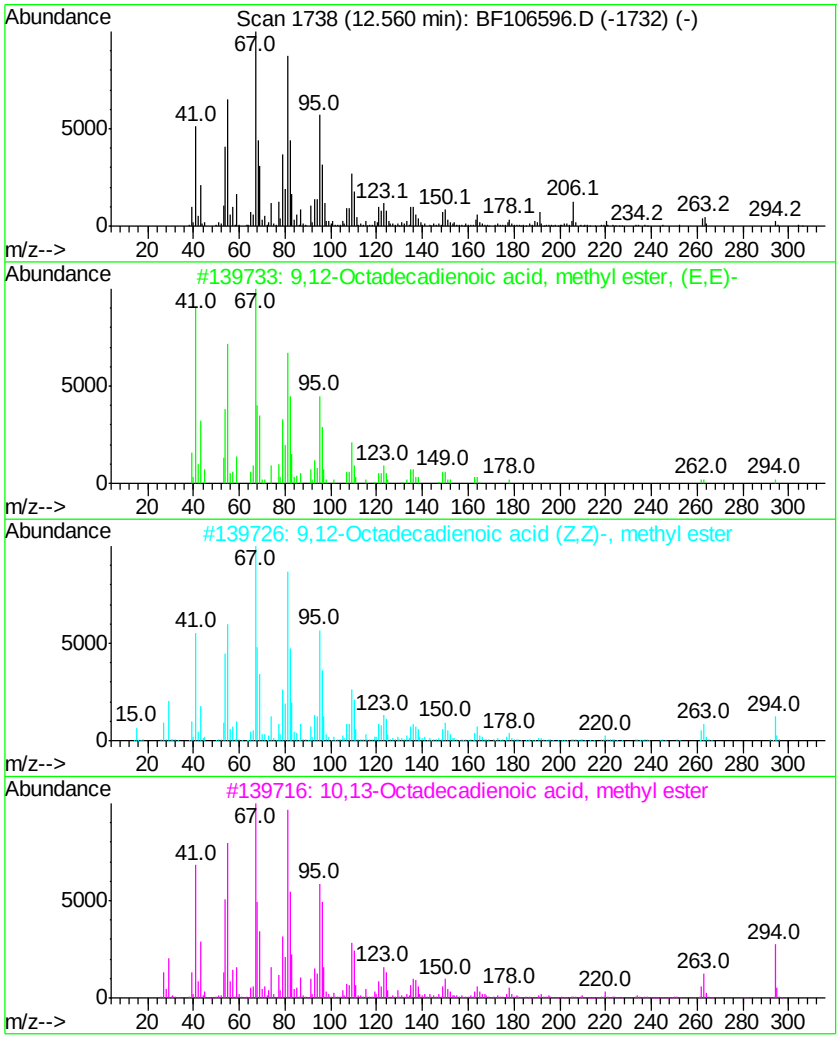
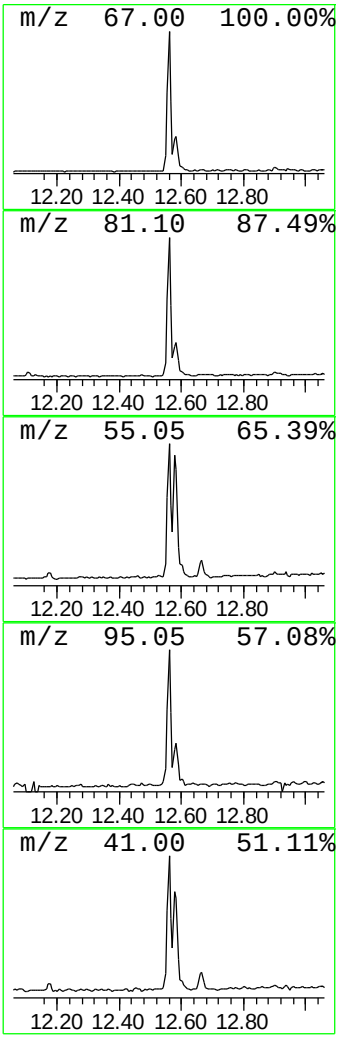
Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	38.86 ng	1179220	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99





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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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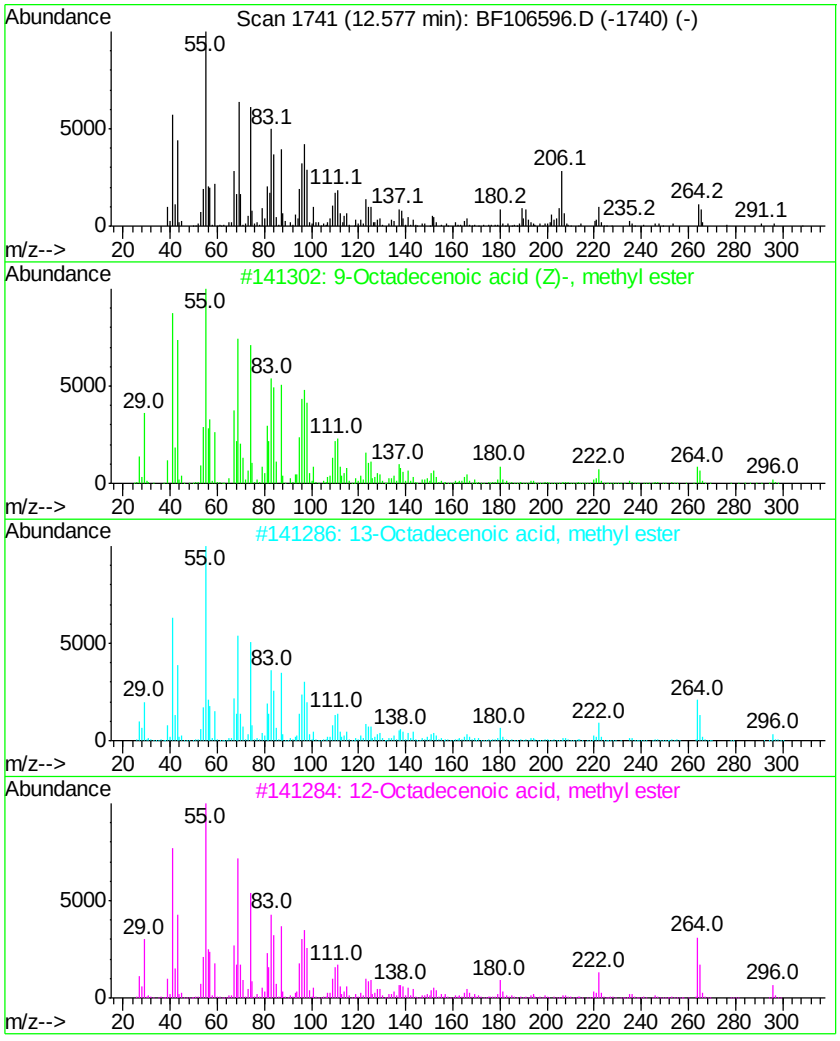
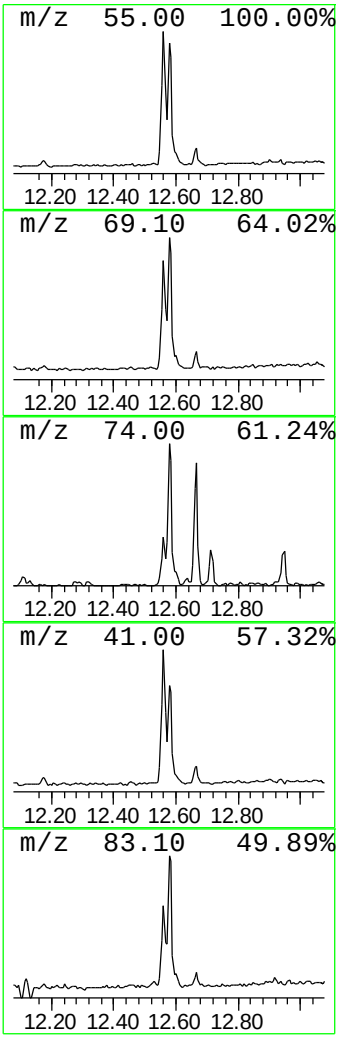
Peak Number 16 9-Octadecenoic acid (Z)-, m... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	25.31 ng	768003	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
3	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
4	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99





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TIC Integration Parameters: LSCINT.P

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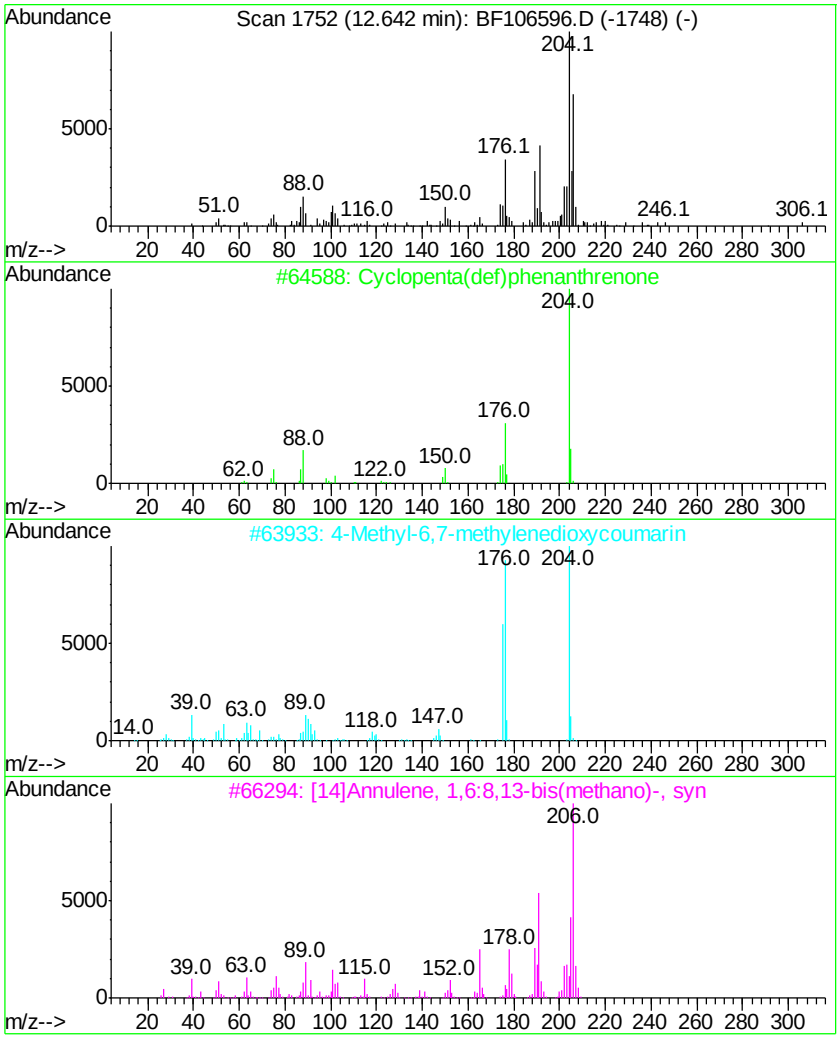
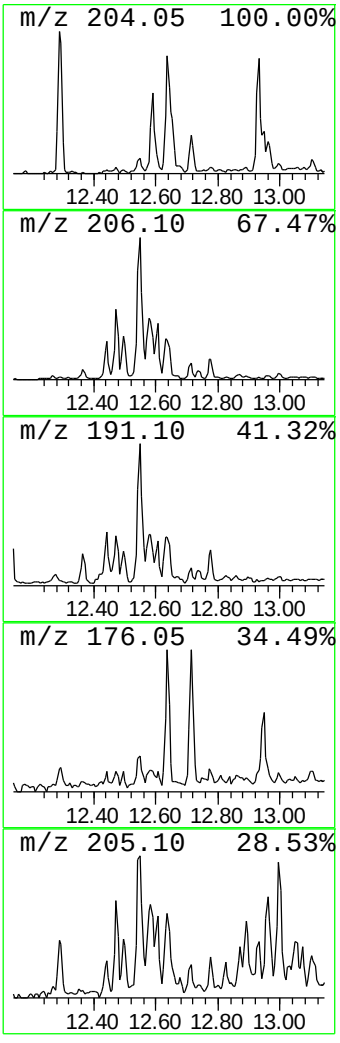
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	5.42 ng	164423	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	46
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	46
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41





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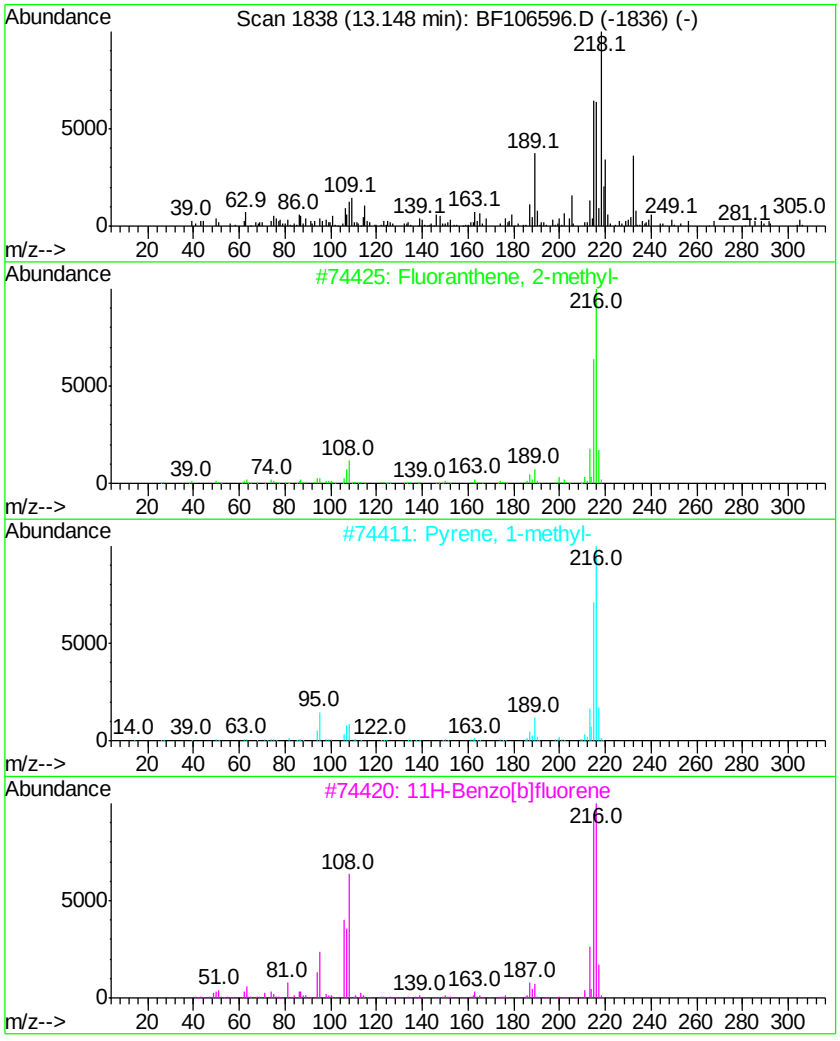
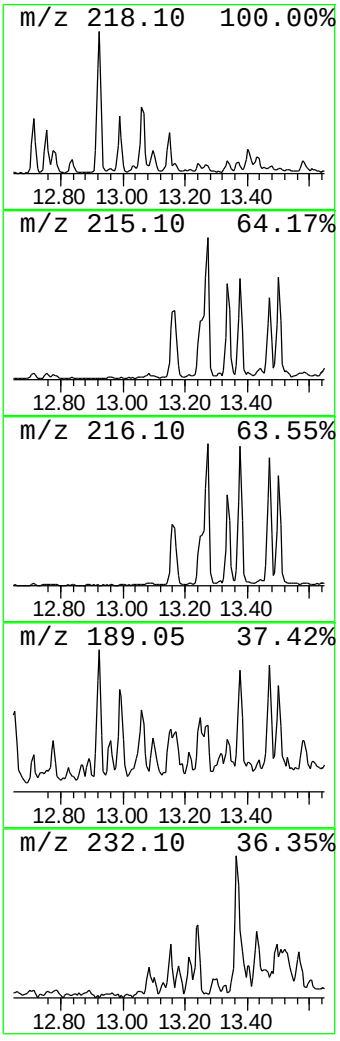
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	4.00 ng	281801	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	55





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TIC Library : C:\DATABASE\NIST11.L
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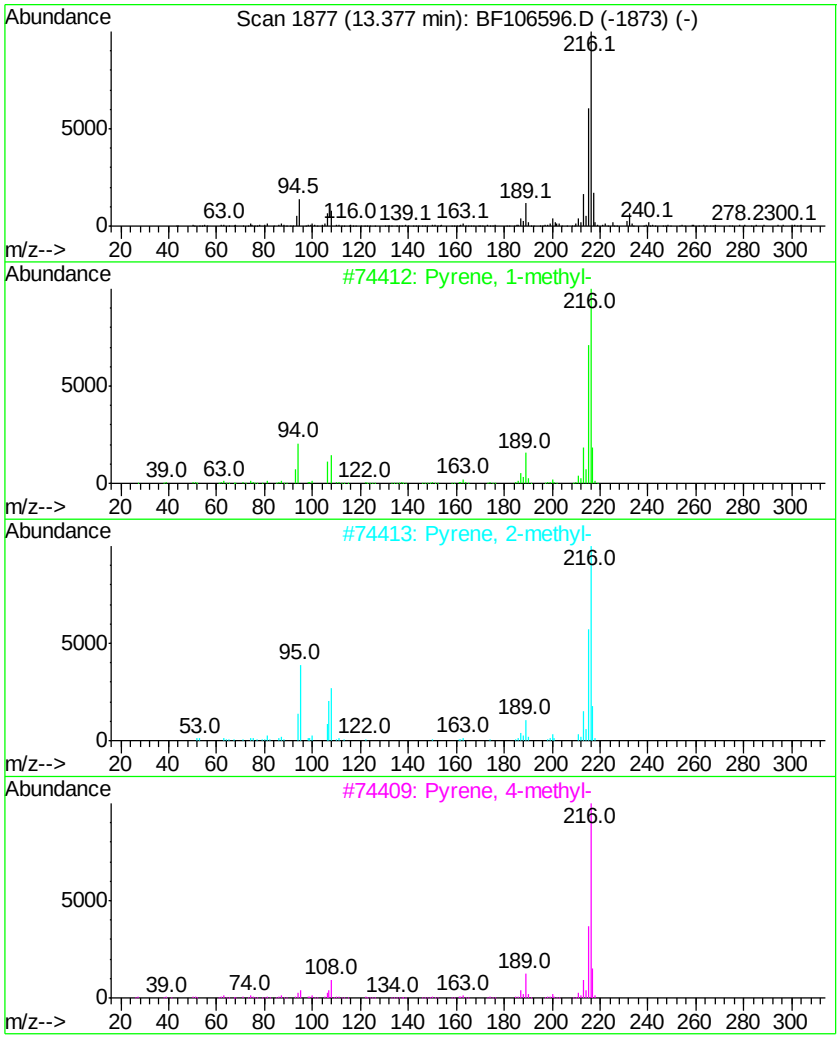
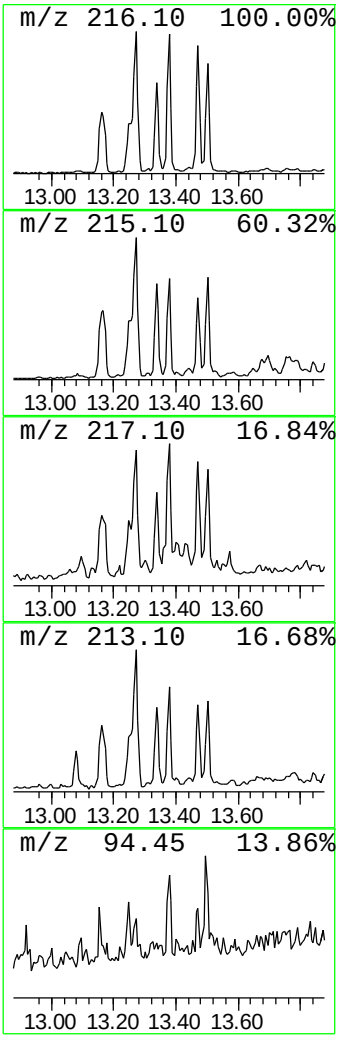
Peak Number 20 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	3.79 ng	267159	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Tentatively Identified Compound (LSC) summary

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Operator : JU/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : PL-01-061818-E

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
unknown6.74	6.74	31.1	ng	917883	1	6.96	590203	20.0
Dodecane, 1-iodo-	10.41	4.0	ng	116996	3	10.00	588464	20.0
Tetracosane	10.89	6.5	ng	198135	4	11.50	606912	20.0
9H-Fluorene, 1-me...	11.10	2.8	ng	85111	4	11.50	606912	20.0
Tetradecane	11.34	2.8	ng	83941	4	11.50	606912	20.0
Hexadecanoic acid...	11.87	8.3	ng	251799	4	11.50	606912	20.0
Phenanthrene, 1-m...	12.00	8.1	ng	244628	4	11.50	606912	20.0
Anthracene, 2-met...	12.02	8.6	ng	260623	4	11.50	606912	20.0
Phenanthrene, 2-m...	12.07	2.7	ng	82119	4	11.50	606912	20.0
Naphthalene, 2-ph...	12.29	3.1	ng	95232	4	11.50	606912	20.0
9,10-Anthracenedione	12.32	2.7	ng	82031	4	11.50	606912	20.0
9,12-Octadecadien...	12.56	38.9	ng	1179220	4	11.50	606912	20.0
9-Octadecenoic ac...	12.58	25.3	ng	768003	4	11.50	606912	20.0
Cyclopenta(def)ph...	12.64	5.4	ng	164423	4	11.50	606912	20.0
Fluoranthene, 2-m...	13.15	4.0	ng	281801	5	14.15	1408170	20.0
Pyrene, 1-methyl-	13.38	3.8	ng	267159	5	14.15	1408170	20.0