LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
Data File : BF096801.D
Acq On : 15 Jul 2017 5:02
Operator : SJ/JU
Sample : I4163-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071217

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:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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	4.799	474	478	488	rVB	264382	345484	16.02%	1.370%
2	5.234	548	552	556	rBV	2128071	2157237	100.00%	8.552%
3	6.275	724	729	732	rBV	1931122	1883659	87.32%	7.468%
4	6.398	745	750	753	rBV	2124903	1887950	87.52%	7.485%
5	6.628	785	789	792	rBV	691708	610219	28.29%	2.419%
6	6.781	811	815	819	rBV	1548229	1365055	63.28%	5.412%
7	7.187	876	884	887	rBV	1255239	1162398	53.88%	4.608%
8	7.651	959	963	966	rBV3	27012	29048	1.35%	0.115%
9	7.904	1003	1006	1009	rBV	846538	786118	36.44%	3.117%
10	7.928	1009	1010	1013	rVB	37357	21745	1.01%	0.086%
11	8.616	1124	1127	1132	rVB	68226	63273	2.93%	0.251%
12	8.716	1141	1144	1149	rVB	78902	65201	3.02%	0.258%
13	8.986	1185	1190	1193	rBV	1882418	1758789	81.53%	6.973%
14	9.245	1230	1234	1238	rBV2	37034	52616	2.44%	0.209%
15	9.316	1243	1246	1249	rVV	70361	74096	3.43%	0.294%
16	9.345	1249	1251	1253	rVV	42838	38301	1.78%	0.152%
17	9.375	1253	1256	1260	rVV	239334	240876	11.17%	0.955%
18	9.434	1263	1266	1272	rVV	46721	63372	2.94%	0.251%
19	9.516	1276	1280	1287	rVB	106499	103789	4.81%	0.411%
20	9.604	1293	1295	1298	rBV	21947	21642	1.00%	0.086%
21	9.657	1298	1304	1307	rVV	881434	787014	36.48%	3.120%
22	9.686	1307	1309	1313	rVB	86105	68466	3.17%	0.271%
23	9.769	1318	1323	1326	rVV3	27587	38874	1.80%	0.154%
24	9.857	1335	1338	1342	rVV	48687	60671	2.81%	0.241%
25	9.898	1342	1345	1348	rVV	40998	34872	1.62%	0.138%
26	9.928	1348	1350	1354	rVB4	21518	23157	1.07%	0.092%
27	9.975	1354	1358	1360	rBV2	35608	41730	1.93%	0.165%
28	9.998	1360	1362	1365	rVV	28377	25919	1.20%	0.103%
29	10.063	1369	1373	1375	rBV4	29387	36462	1.69%	0.145%
30	10.104	1378	1380	1384	rBV	51432	40534	1.88%	0.161%
31	10.198	1393	1396	1399	rBV	109251	86877	4.03%	0.344%
32	10.263	1403	1407	1409	rBV	35110	41369	1.92%	0.164%
33	10.316	1413	1416	1420	rVV4	26401	41025	1.90%	0.163%
34	10.357	1420	1423	1429	rVB6	39920	58657	2.72%	0.233%

LSC Area Percent Report

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Acq On : 15 Jul 2017 5:02
Operator : SJ/JU
Sample : I4163-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071217

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:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.439	1433	1437	1441	rBV	1088535	940760	43.61%	3.730%
36	10.575	1457	1460	1465	rVB3	61845	80385	3.73%	0.319%
37	10.745	1485	1489	1492	rBV2	34856	47141	2.19%	0.187%
38	10.775	1492	1494	1497	rVV2	49815	48590	2.25%	0.193%
39	10.828	1501	1503	1506	rVB2	35505	34702	1.61%	0.138%
40	10.939	1520	1522	1527	rVB4	22045	23972	1.11%	0.095%
41	10.986	1527	1530	1533	rBV4	21895	27588	1.28%	0.109%
42	11.028	1533	1537	1539	rVV2	61423	66806	3.10%	0.265%
43	11.051	1539	1541	1545	rVB2	30425	28774	1.33%	0.114%
44	11.133	1551	1555	1557	rBV	723372	672913	31.19%	2.668%
45	11.157	1557	1559	1562	rVV	582884	440202	20.41%	1.745%
46	11.204	1562	1567	1571	rVB	173363	160704	7.45%	0.637%
47	11.245	1571	1574	1577	rBV3	37171	49624	2.30%	0.197%
48	11.363	1591	1594	1597	rBV	32896	32023	1.48%	0.127%
49	11.463	1607	1611	1614	rVB2	56342	61940	2.87%	0.246%
50	11.545	1623	1625	1629	rVB	34352	30646	1.42%	0.121%
51	11.633	1637	1640	1642	rBV	181198	151206	7.01%	0.599%
52	11.663	1642	1645	1650	rVV	203144	200553	9.30%	0.795%
53	11.710	1650	1653	1655	rVV	87572	75268	3.49%	0.298%
54	11.745	1655	1659	1661	rVV	272306	312064	14.47%	1.237%
55	11.769	1661	1663	1666	rVB	139314	111502	5.17%	0.442%
56	11.833	1670	1674	1675	rBV3	26204	33163	1.54%	0.131%
57	11.869	1675	1680	1682	rVB3	42630	54214	2.51%	0.215%
58	11.927	1687	1690	1692	rVV2	78574	74539	3.46%	0.296%
59	11.951	1692	1694	1698	rVB3	59018	62639	2.90%	0.248%
60	12.057	1710	1712	1714	rBV2	31936	31473	1.46%	0.125%
61	12.080	1714	1716	1718	rVV	54619	51549	2.39%	0.204%
62	12.104	1718	1720	1723	rVV	55220	55642	2.58%	0.221%
63	12.133	1723	1725	1728	rVB	51015	44493	2.06%	0.176%
64	12.186	1730	1734	1736	rBV	128796	147618	6.84%	0.585%
65	12.222	1736	1740	1742	rVV2	84323	114052	5.29%	0.452%
66	12.239	1742	1743	1745	rVV2	58332	38087	1.77%	0.151%
67	12.269	1745	1748	1752	rVB3	54428	79085	3.67%	0.314%
68	12.339	1757	1760	1764	rBV	770944	704173	32.64%	2.792%
69	12.392	1766	1769	1774	rBV4	41321	64571	2.99%	0.256%
70	12.433	1774	1776	1779	rBV2	24623	23383	1.08%	0.093%
71	12.569	1793	1799	1802	rBV	822771	839627	38.92%	3.329%

LSC Area Percent Report

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Sample : I4163-01
Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-071217

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

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.633	1808	1810	1813	rVB	56500	48497	2.25%	0.192%
73	12.686	1817	1819	1821	rBV	53843	44735	2.07%	0.177%
74	12.722	1821	1825	1828	rBV	1330459	1282056	59.43%	5.083%
75	12.792	1833	1837	1839	rBV3	95943	106812	4.95%	0.423%
76	12.874	1848	1851	1852	rBV2	65888	69002	3.20%	0.274%
77	12.898	1852	1855	1858	rVB	210014	200165	9.28%	0.794%
78	12.963	1863	1866	1869	rVB2	150048	129487	6.00%	0.513%
79	12.998	1869	1872	1875	rBV	161424	162046	7.51%	0.642%
80	13.092	1885	1888	1891	rBV	114890	98717	4.58%	0.391%
81	13.122	1891	1893	1898	rVV	125174	94396	4.38%	0.374%
82	13.163	1898	1900	1903	rVB3	39996	36894	1.71%	0.146%
83	13.510	1956	1959	1963	rBV2	95285	138711	6.43%	0.550%
84	13.627	1977	1979	1986	rVB3	132942	177412	8.22%	0.703%
85	13.763	1997	2002	2005	rBV2	756047	1013798	47.00%	4.019%
86	13.786	2005	2006	2013	rVB	370869	295177	13.68%	1.170%
87	14.768	2169	2173	2180	rVB	242072	441994	20.49%	1.752%
88	15.033	2216	2218	2223	rVB	166888	177437	8.23%	0.703%
89	15.092	2225	2228	2234	rBV	223723	231202	10.72%	0.917%
90	15.151	2234	2238	2240	rBV	303604	343196	15.91%	1.361%

Sum of corrected areas: 25223900

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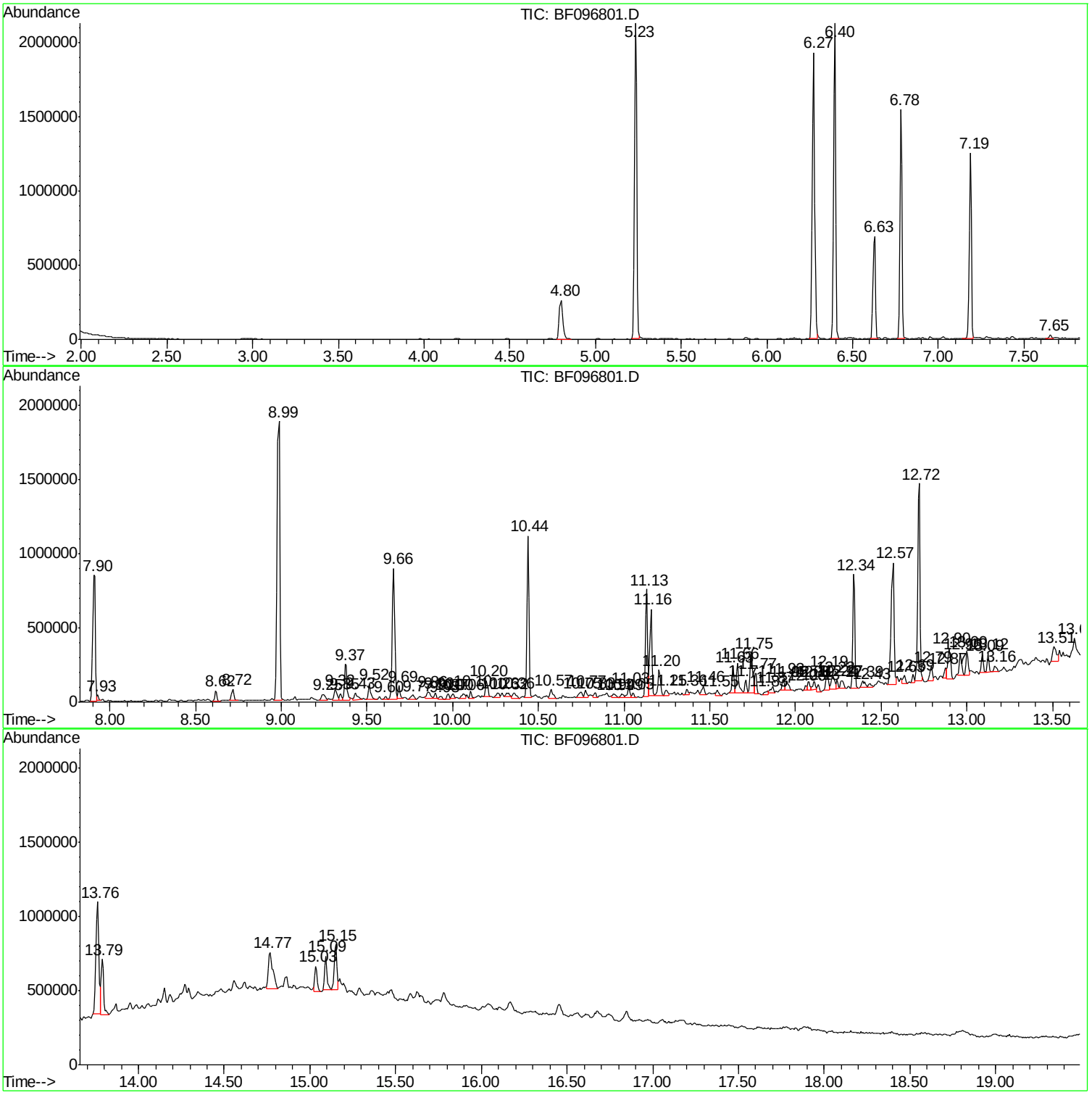
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071217

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
Data File : BF096801.D
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Sample : I4163-01
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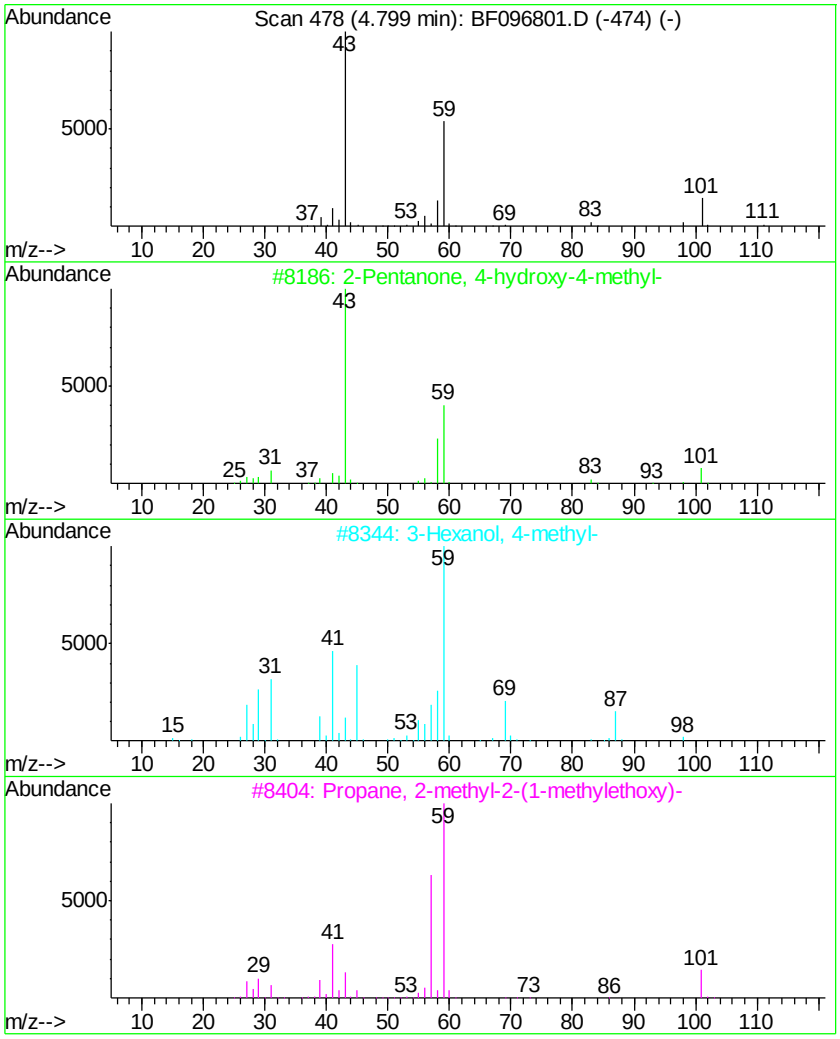
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

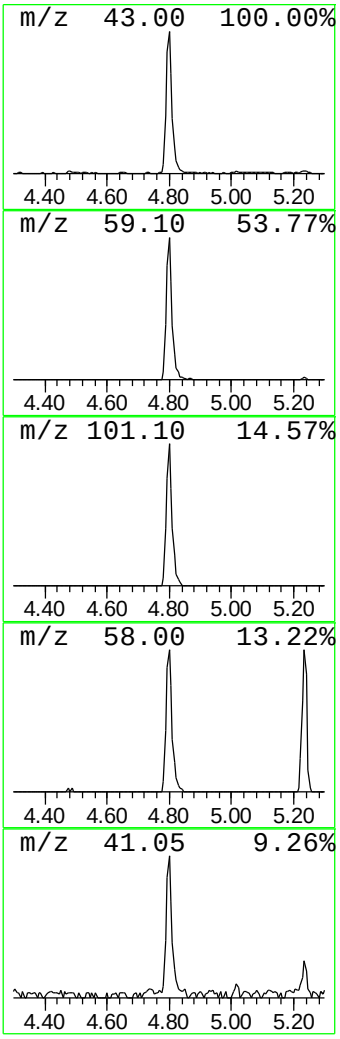
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	11.32 ng	345484	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





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Operator : SJ/JU
Sample : I4163-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071217

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

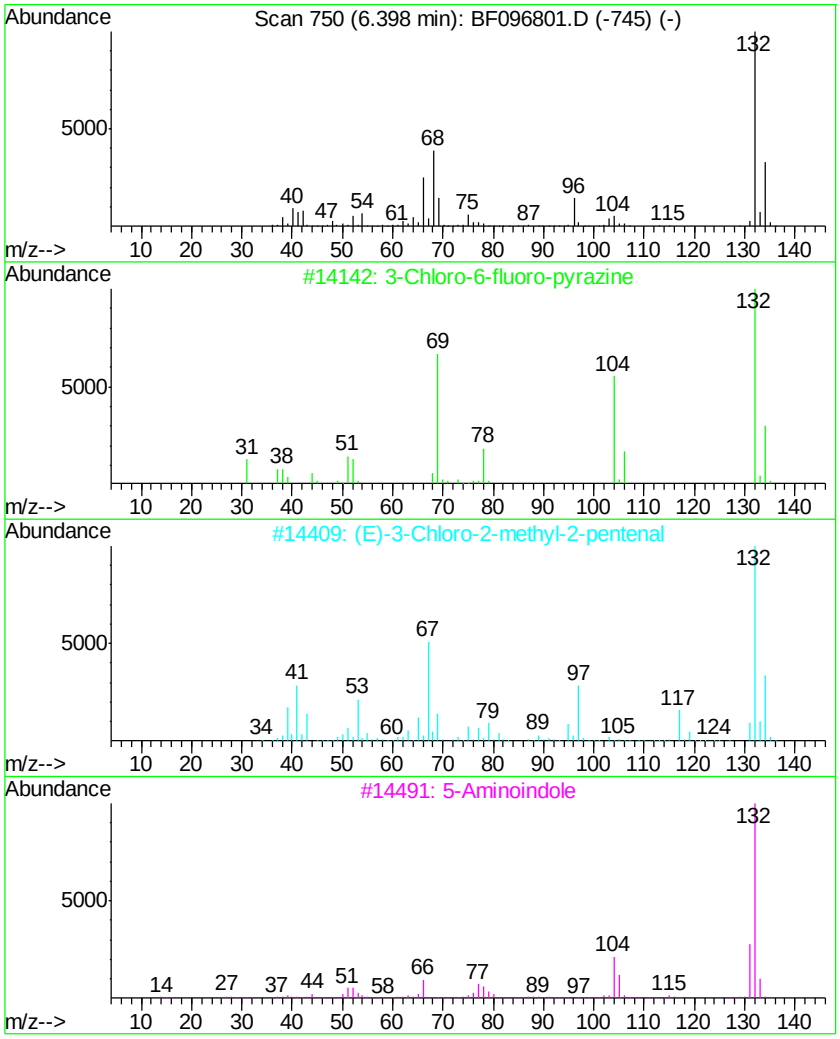
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

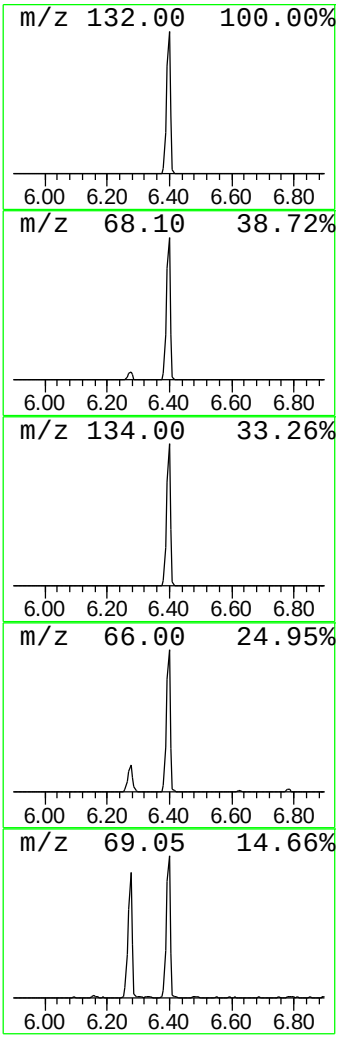
****

Peak Number 2 unknown6.40 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	61.88 ng	1887950	1,4-Dichlorobenzene-d4	6.63

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	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

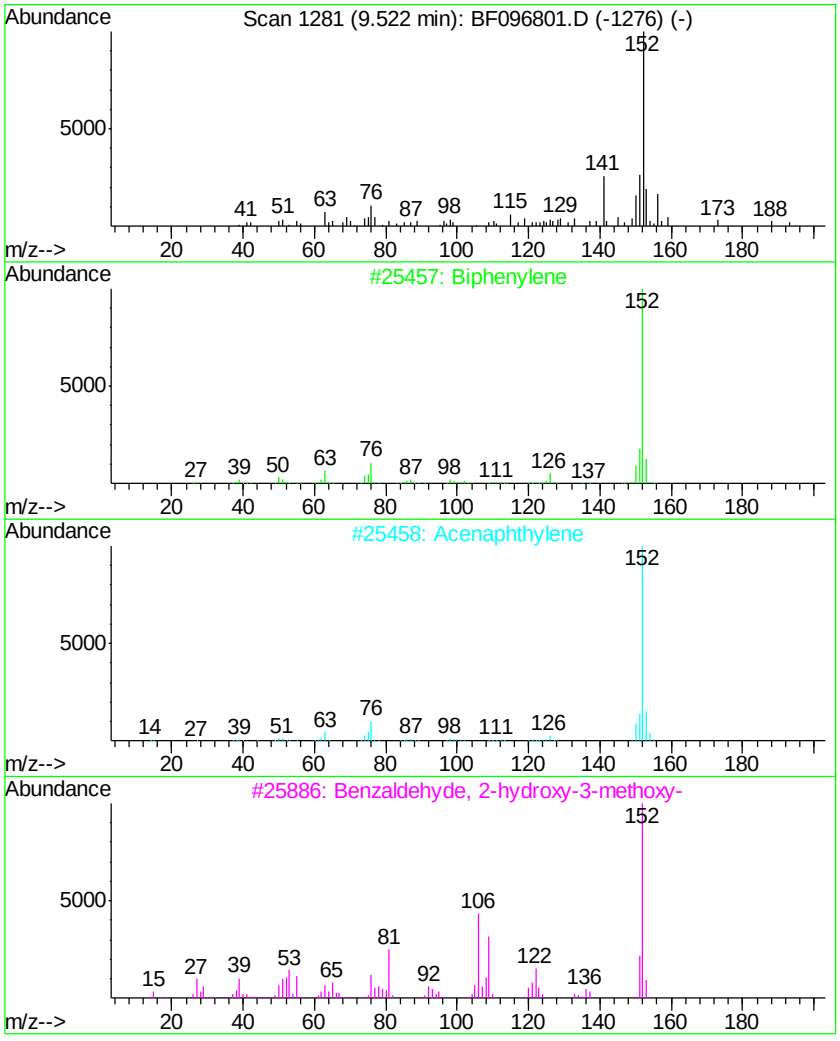
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

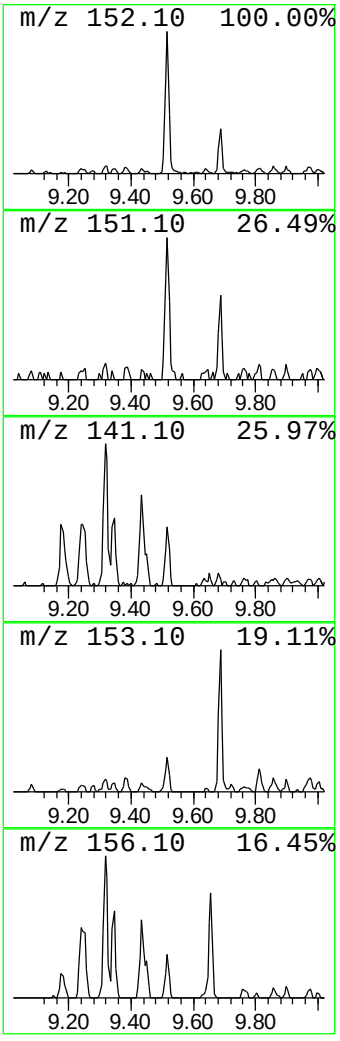
****

Peak Number 4 Biphenylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	2.64 ng	103789	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	90
2	Acenaphthylene	152	C12H8	000208-96-8	87
3	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	45
4	5,6-Dihydro-4-methylthieno(2,3-d...	152	C7H8N2S	092204-06-3	40
5	1-acenaphthenol, trifluoroacetat...	266	C14H9F3O2	1000376-45-2	38





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Misc :
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Instrument : BNA_F
ClientSampleId : SU-04-071217

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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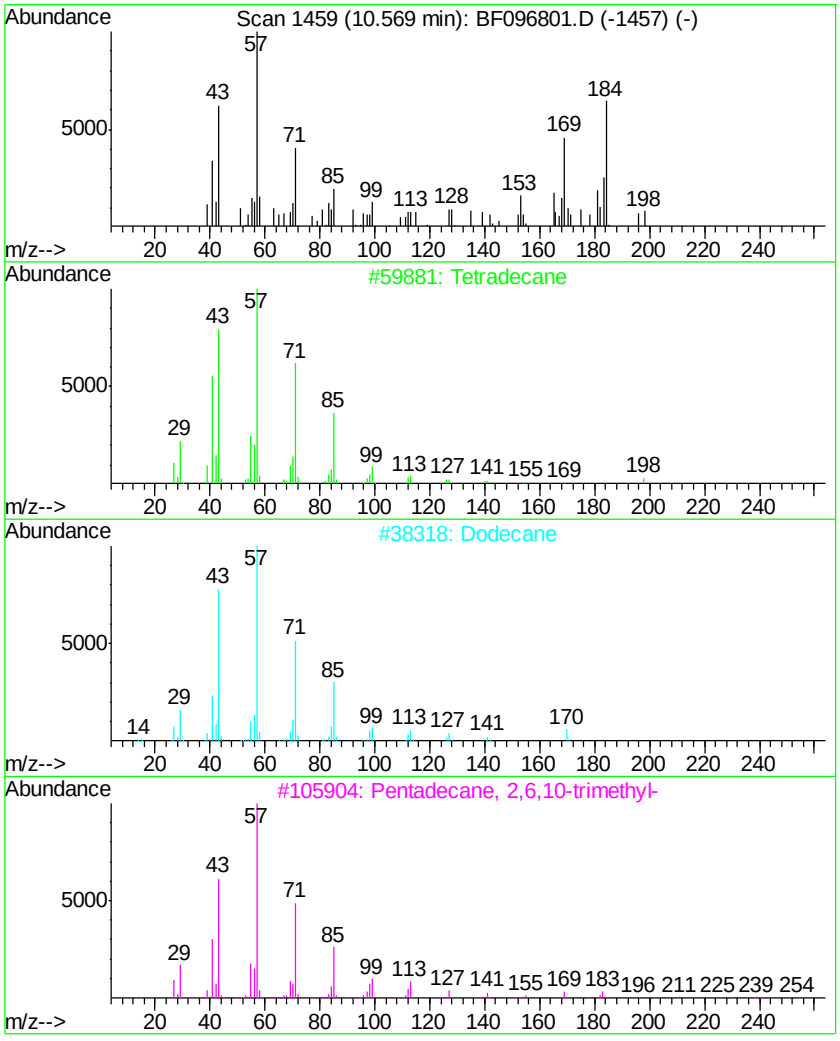
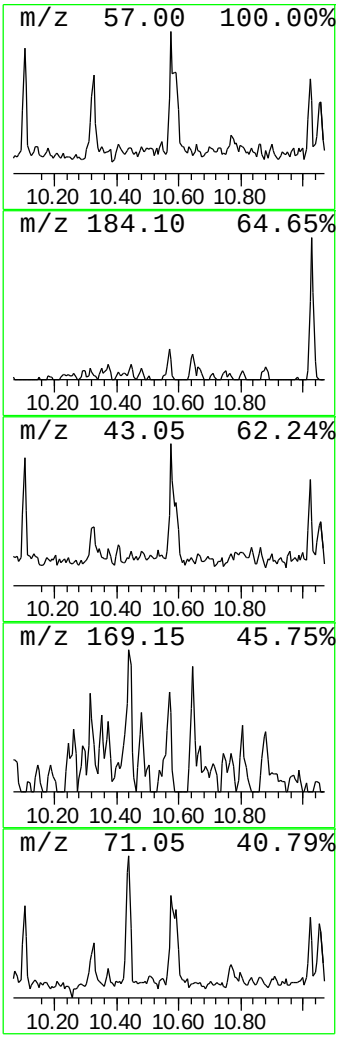
****

Peak Number 5 Tetradecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	2.39 ng	80385	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	83
2	Dodecane	170	C12H26	000112-40-3	70
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	59
4	Heptacosane	380	C27H56	000593-49-7	58
5	Octadecane	254	C18H38	000593-45-3	52





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Sample : I4163-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071217

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

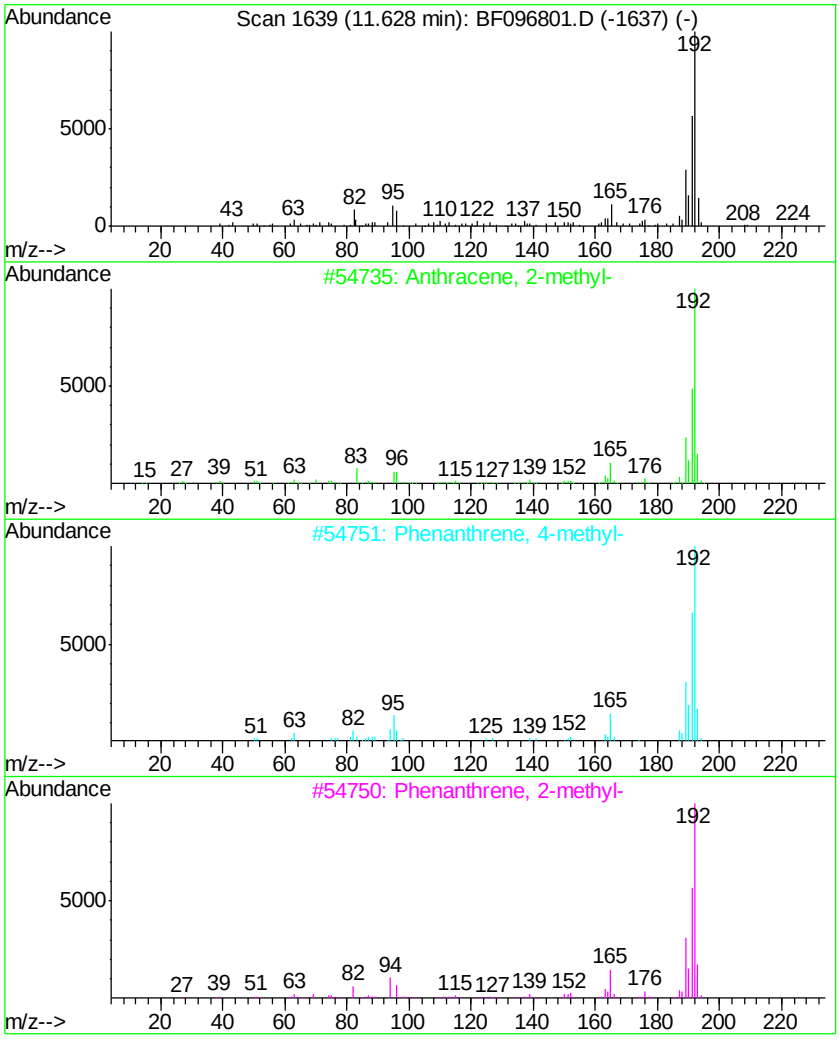
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

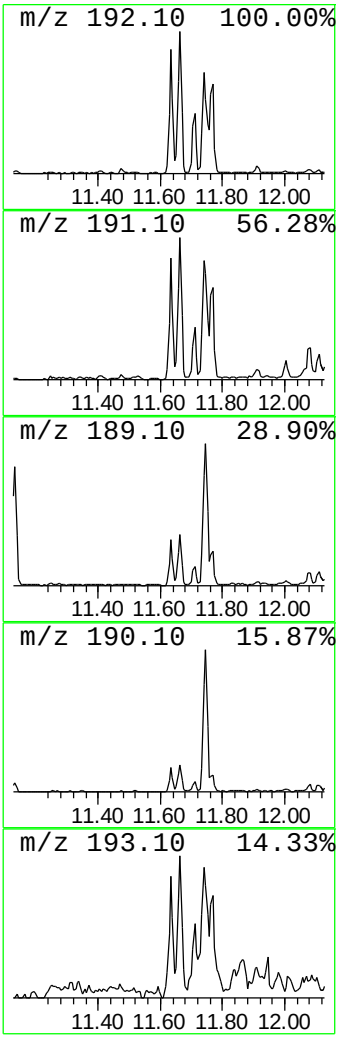
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	4.49 ng	151206	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Acq On : 15 Jul 2017 5:02
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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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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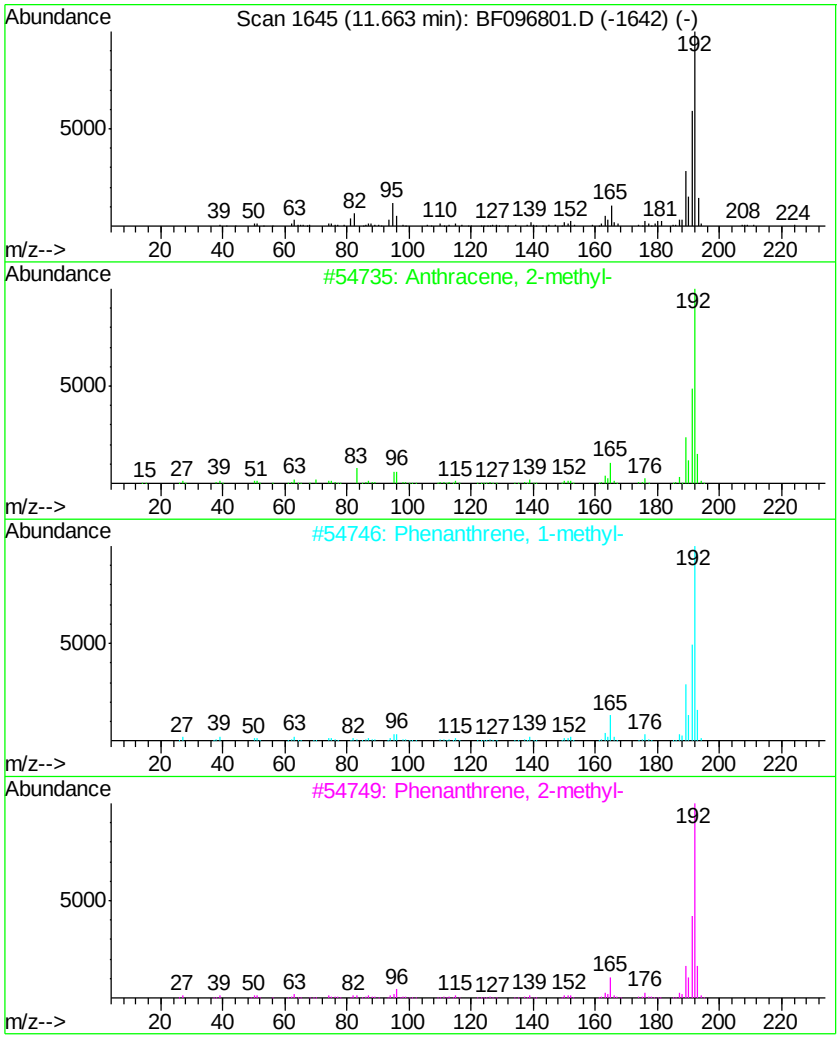
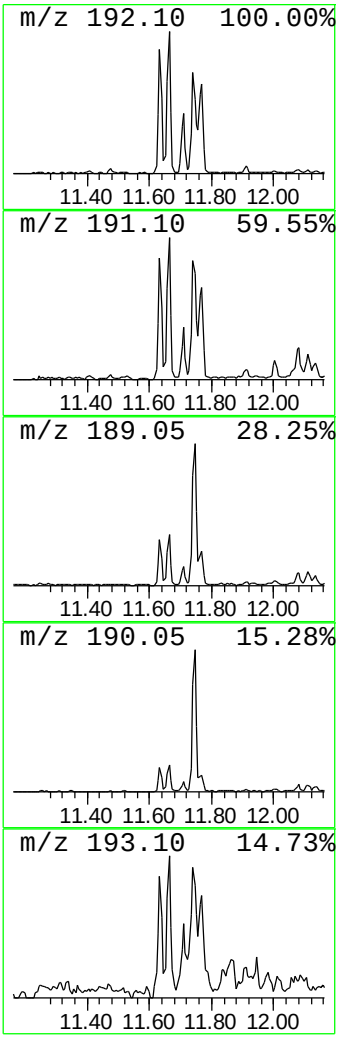
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	5.96 ng	200553	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91





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Operator : SJ/JU
Sample : I4163-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId : SU-04-071217

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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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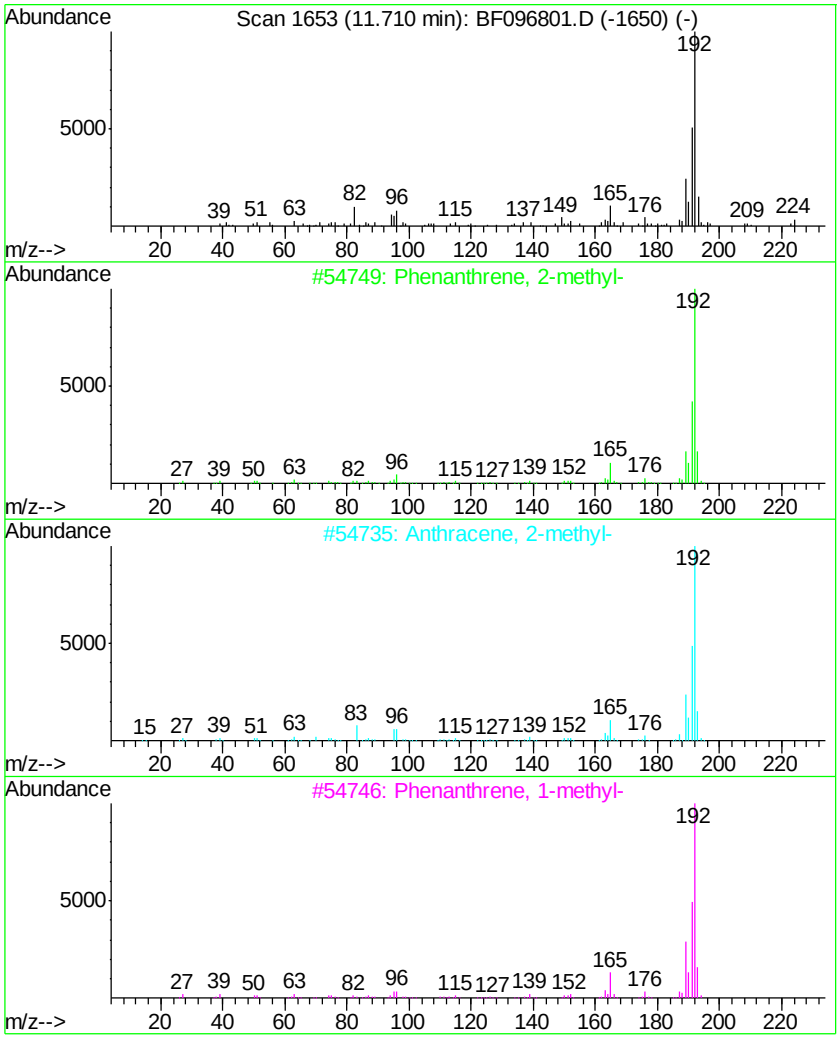
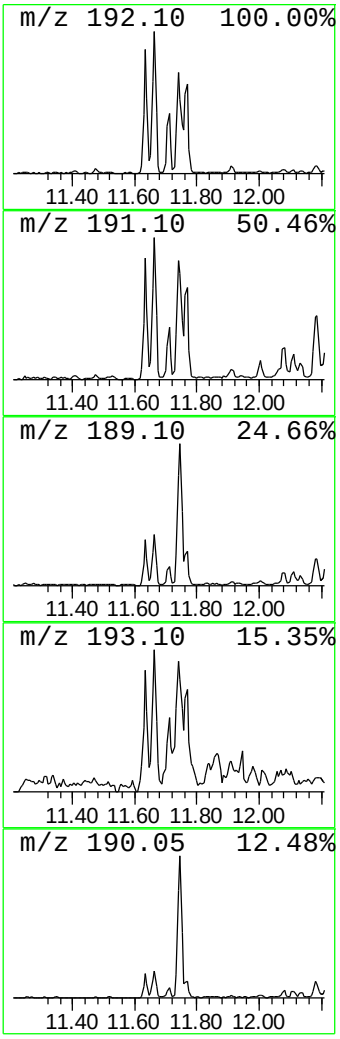
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	2.24 ng	75268	Phenanthrene-d10	11.13

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	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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

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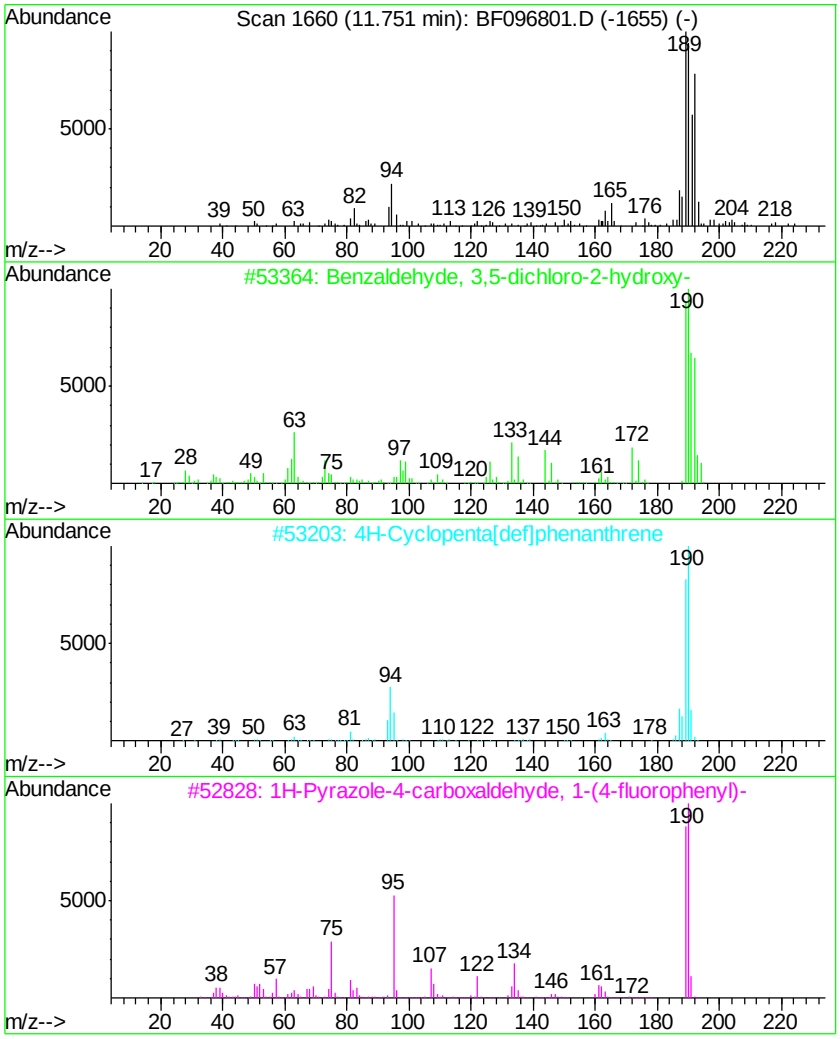
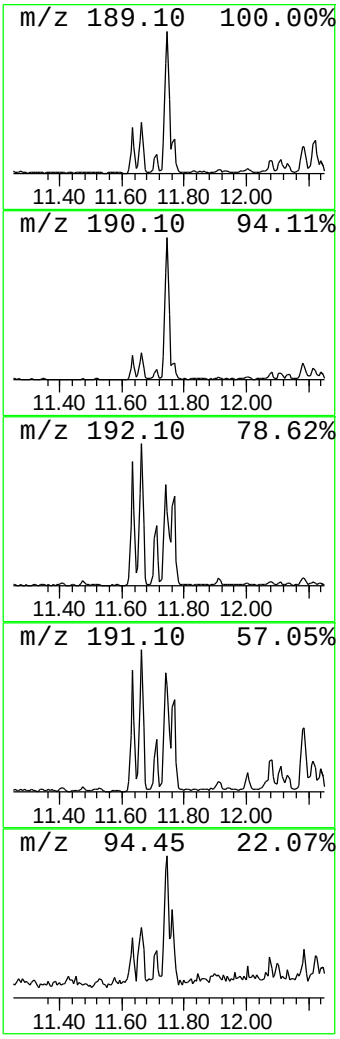
Peak Number 9 Benzaldehyde, 3,5-dichloro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	9.28 ng	312064	Phenanthrene-d10	11.13

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	70
3	1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	46
4	1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	25
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





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

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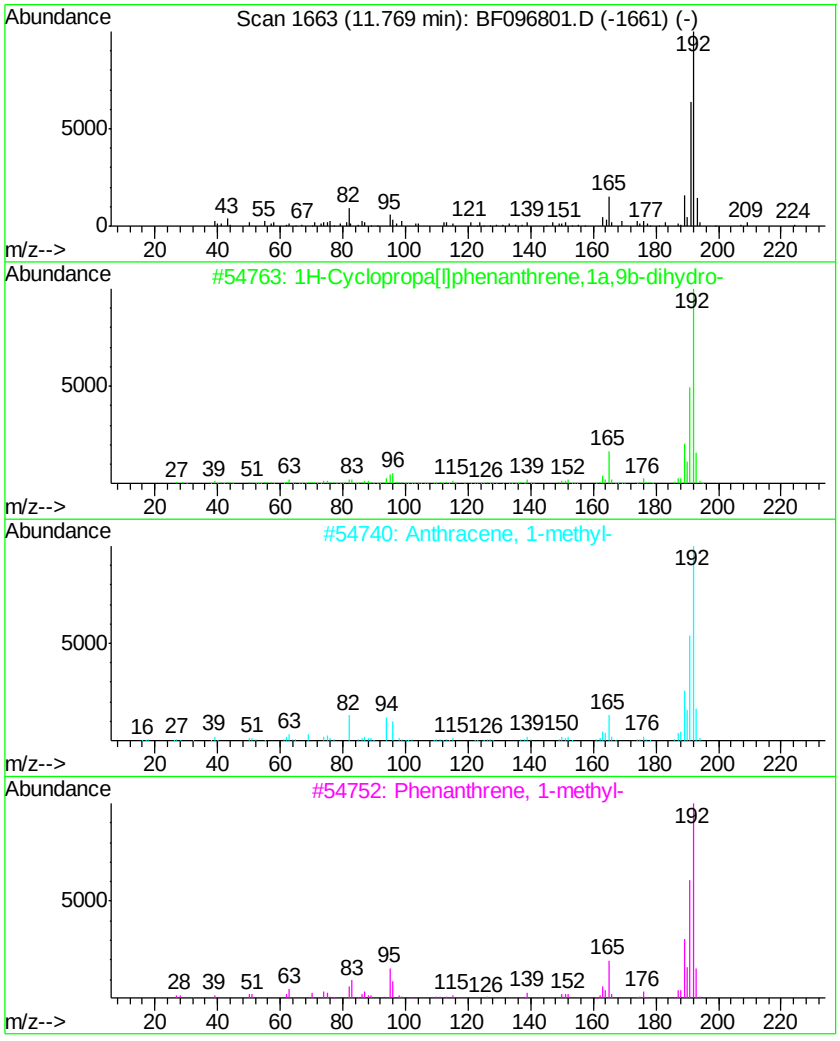
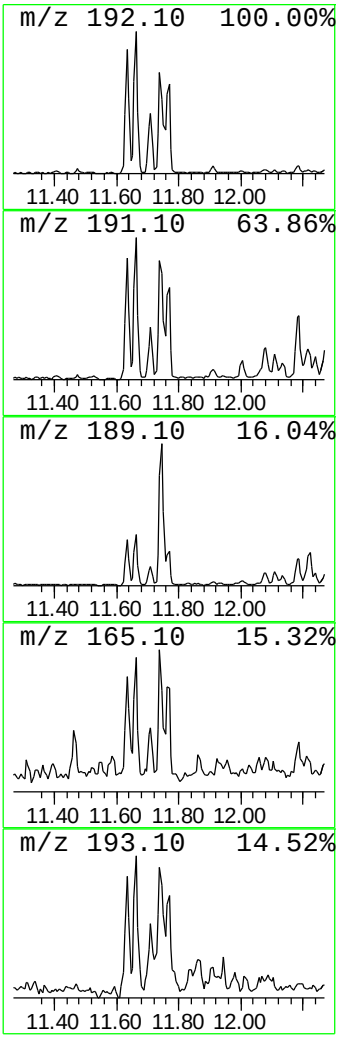
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	3.31 ng	111502	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83





Library Search Compound Report

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

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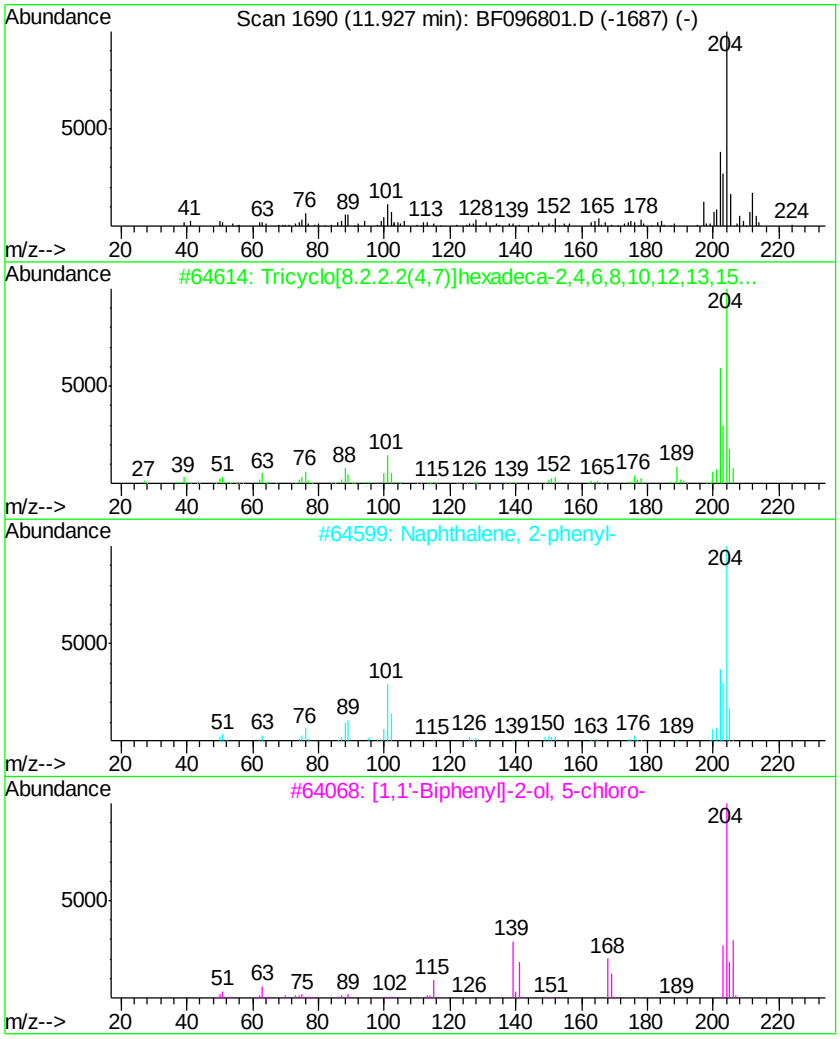
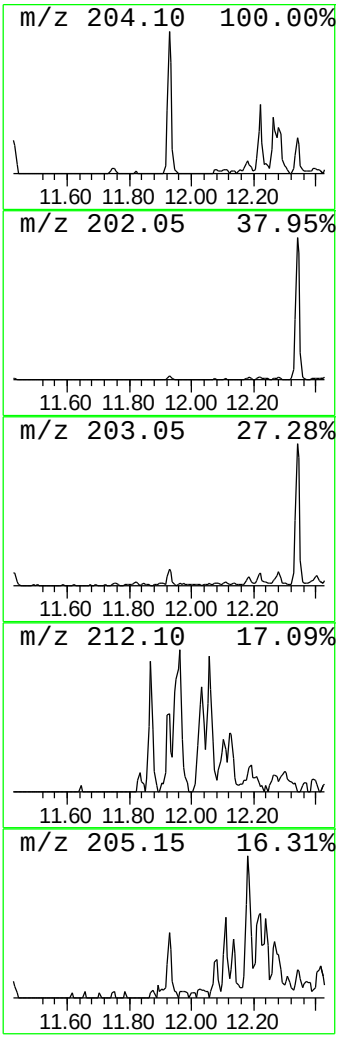
Peak Number 11 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.22 ng	74539	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	49
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





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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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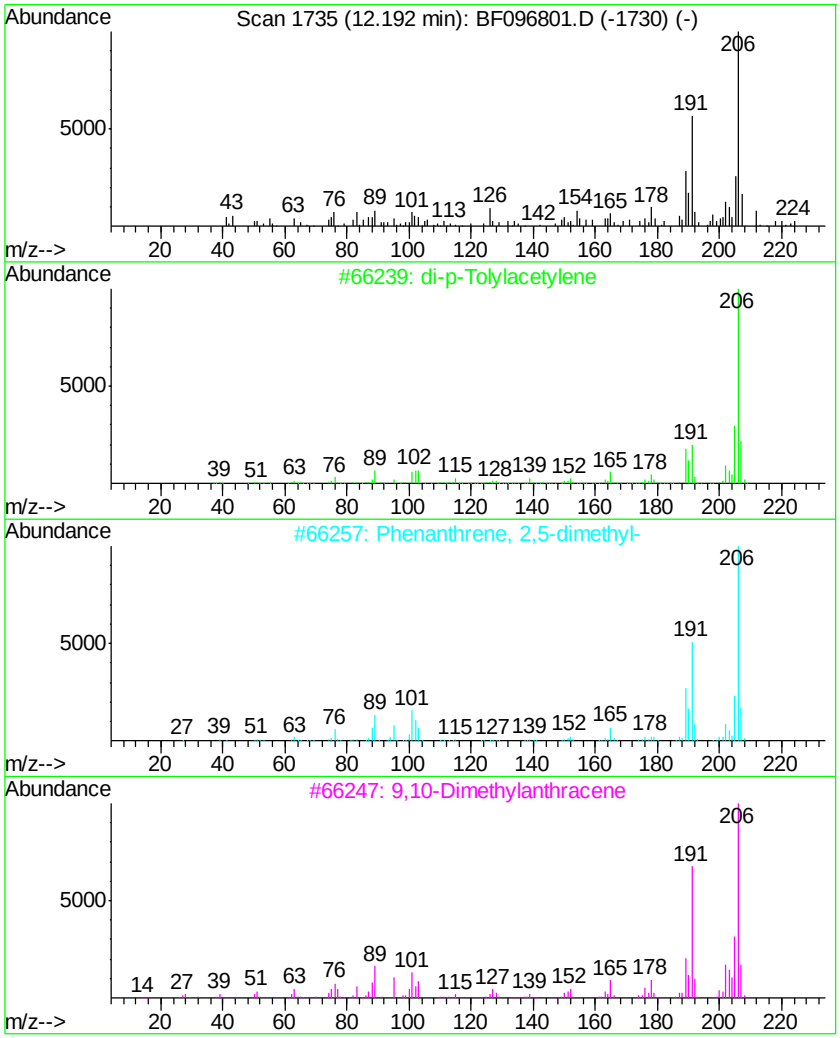
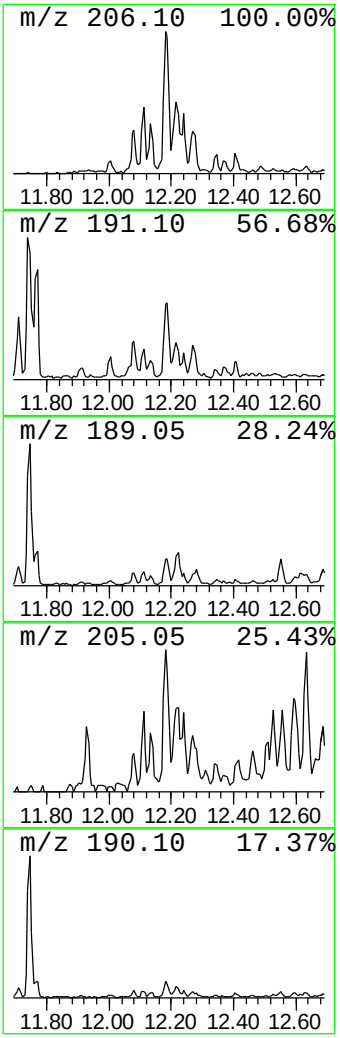
Peak Number 12 di-p-Tolylacetylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	4.39 ng	147618	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87





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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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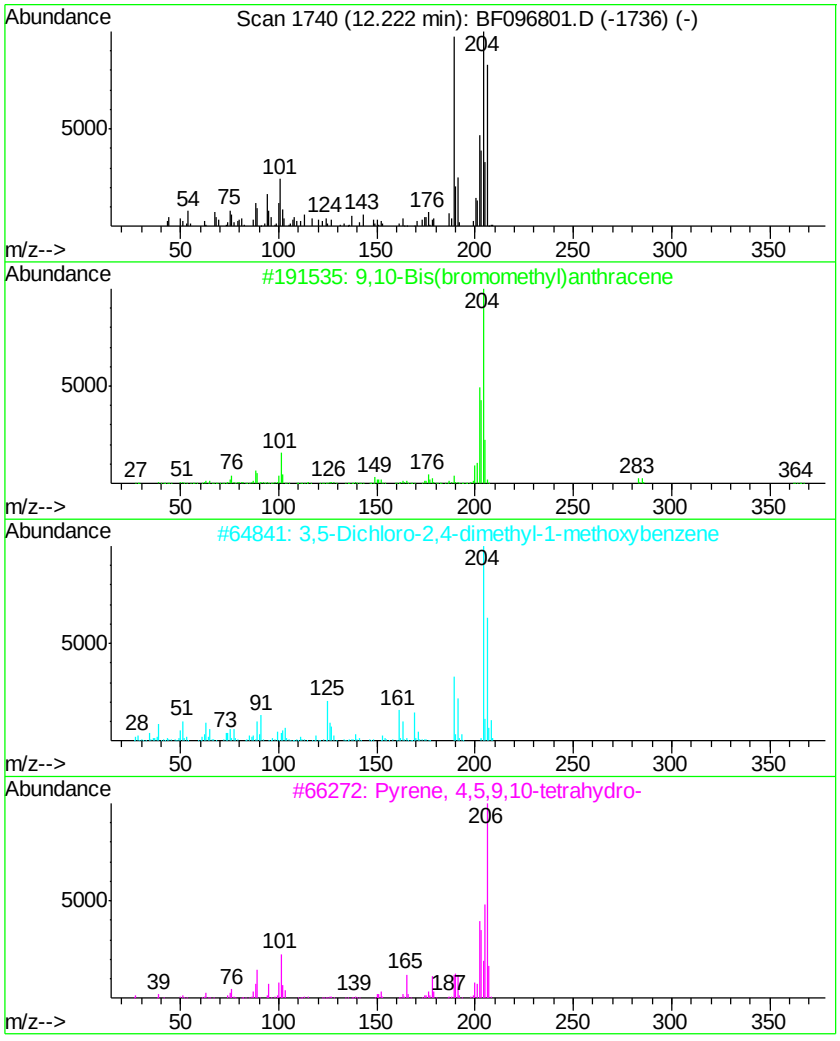
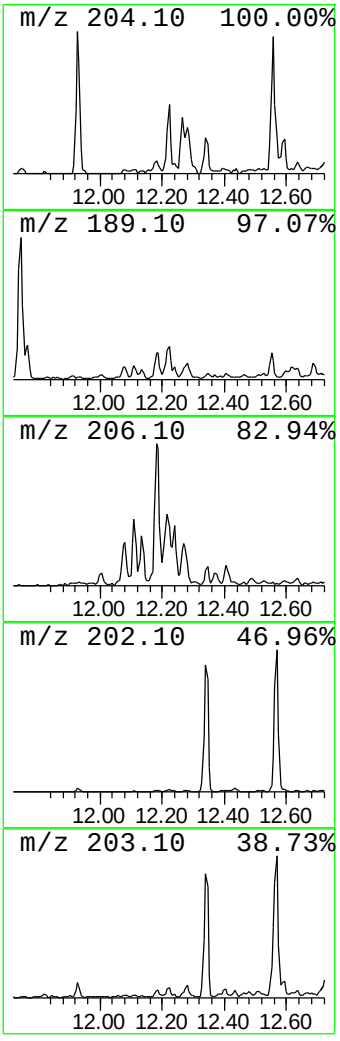
Peak Number 13 unknown12.22 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	3.39 ng	114052	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
2	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	43
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25





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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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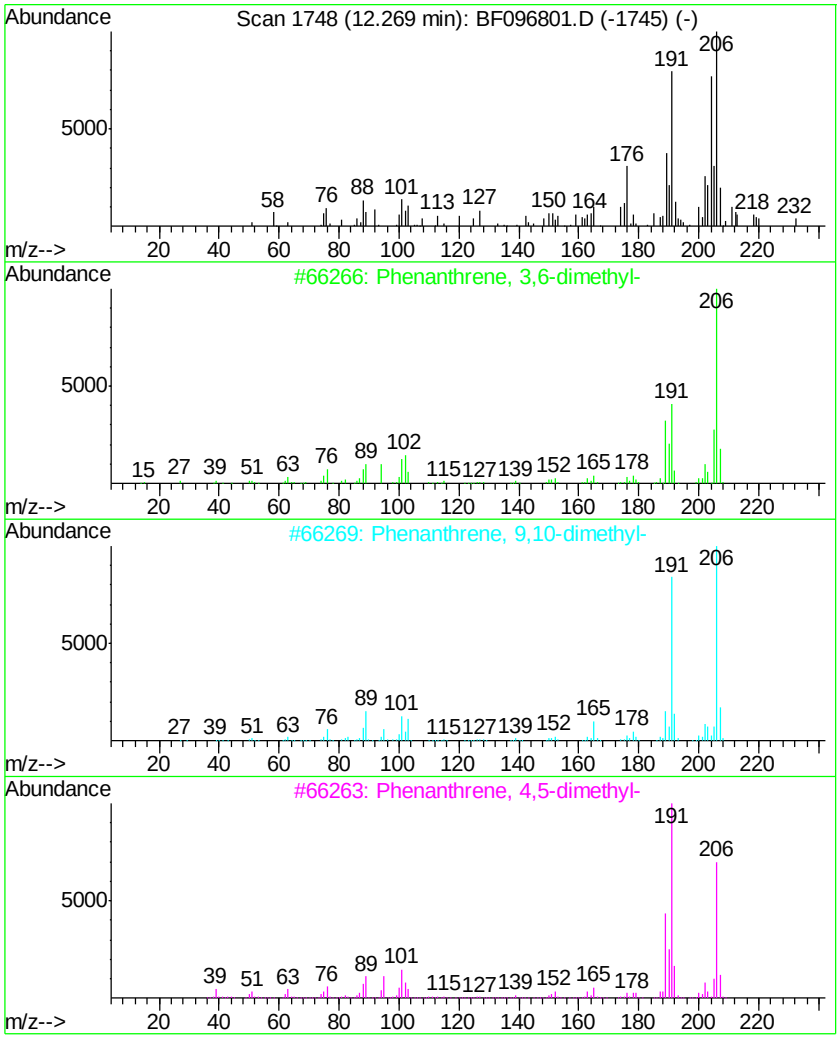
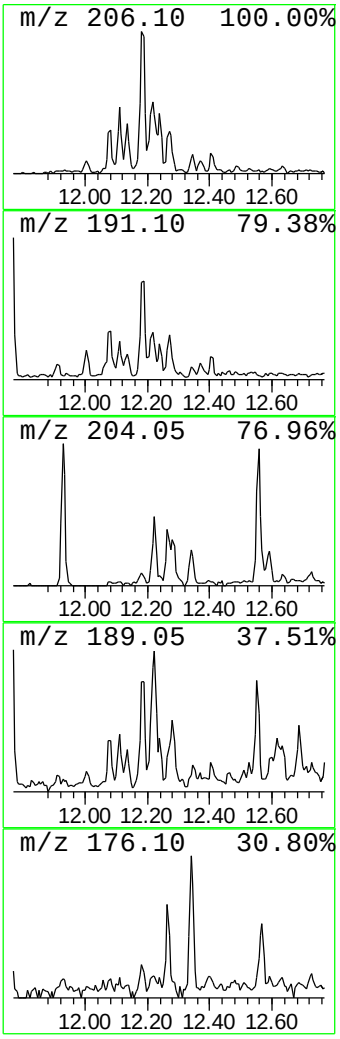
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	2.35 ng	79085	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	70
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	60





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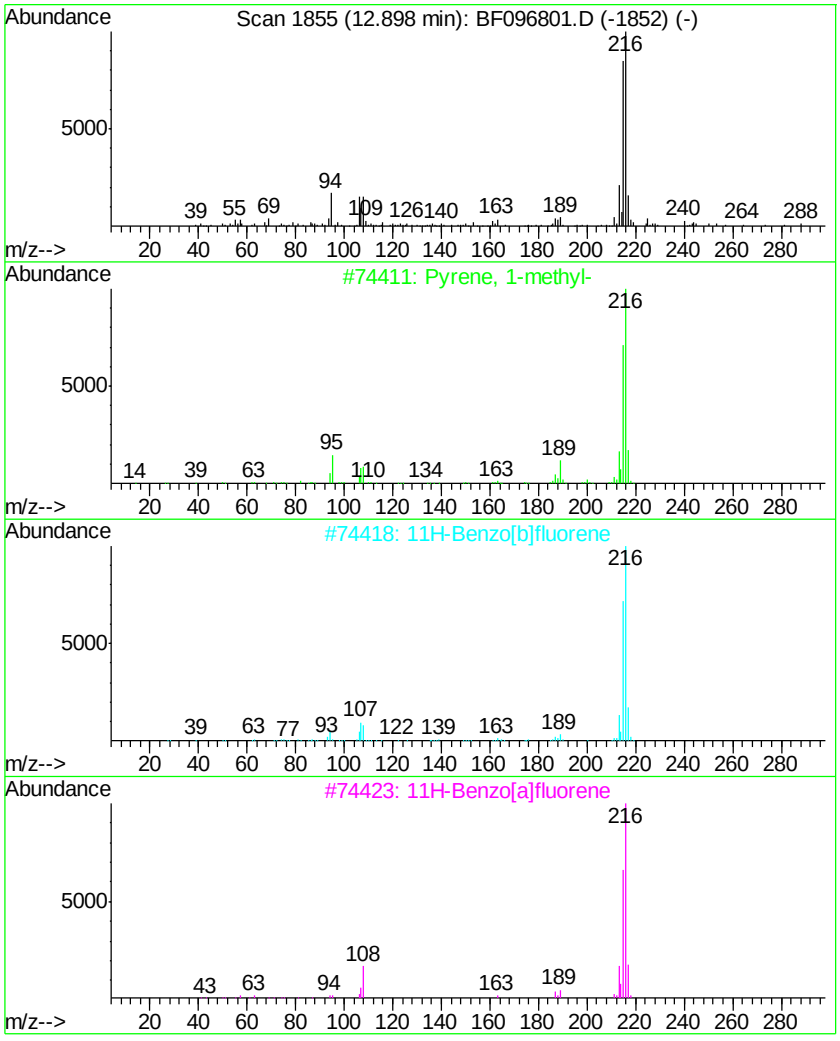
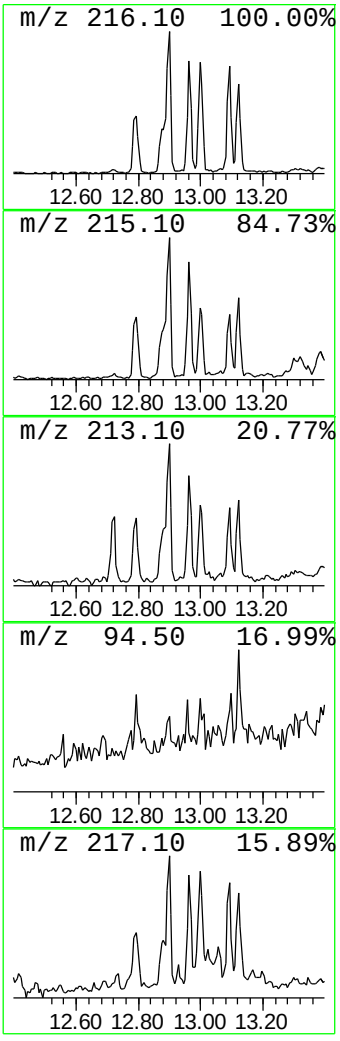
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	3.95 ng	200165	Chrysene-d12	13.76

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	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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TIC Integration Parameters: LSCINT.P

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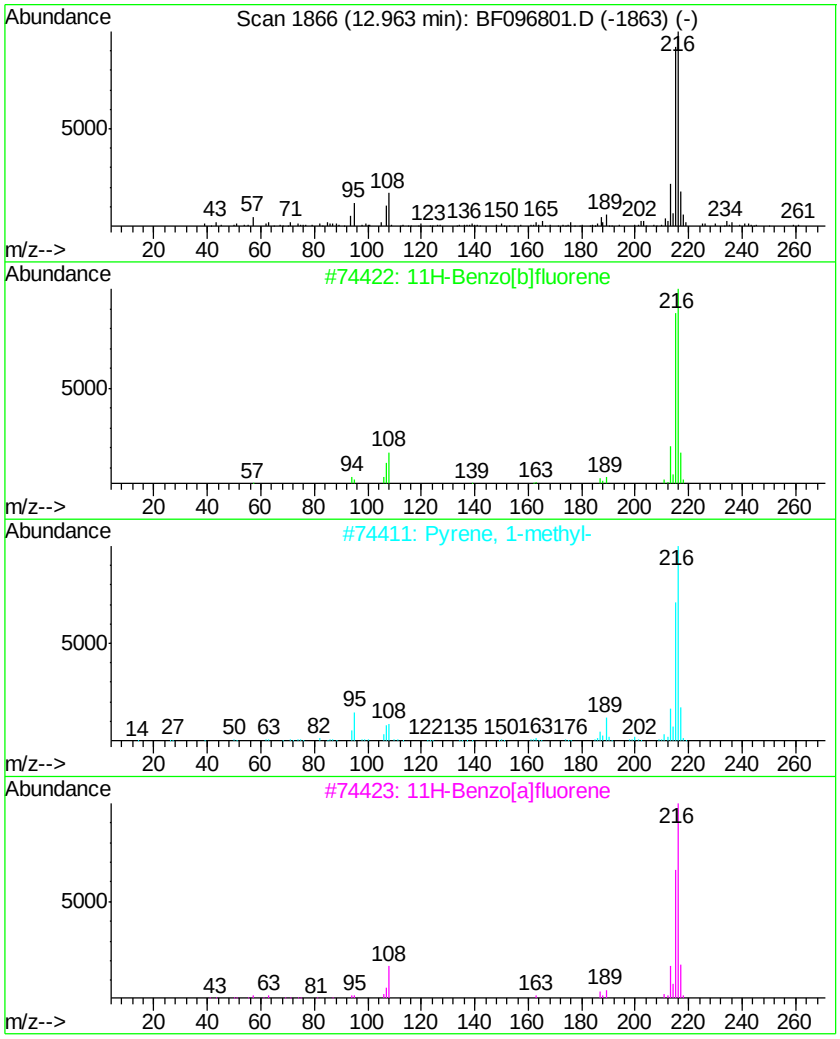
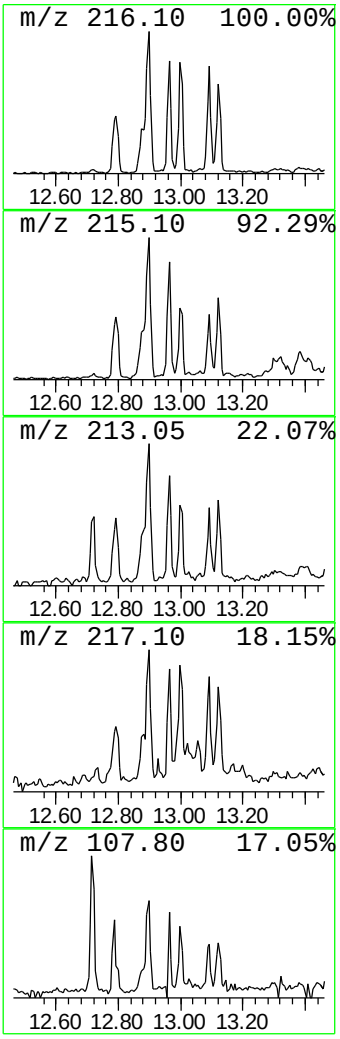
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	2.55 ng	129487	Chrysene-d12	13.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81





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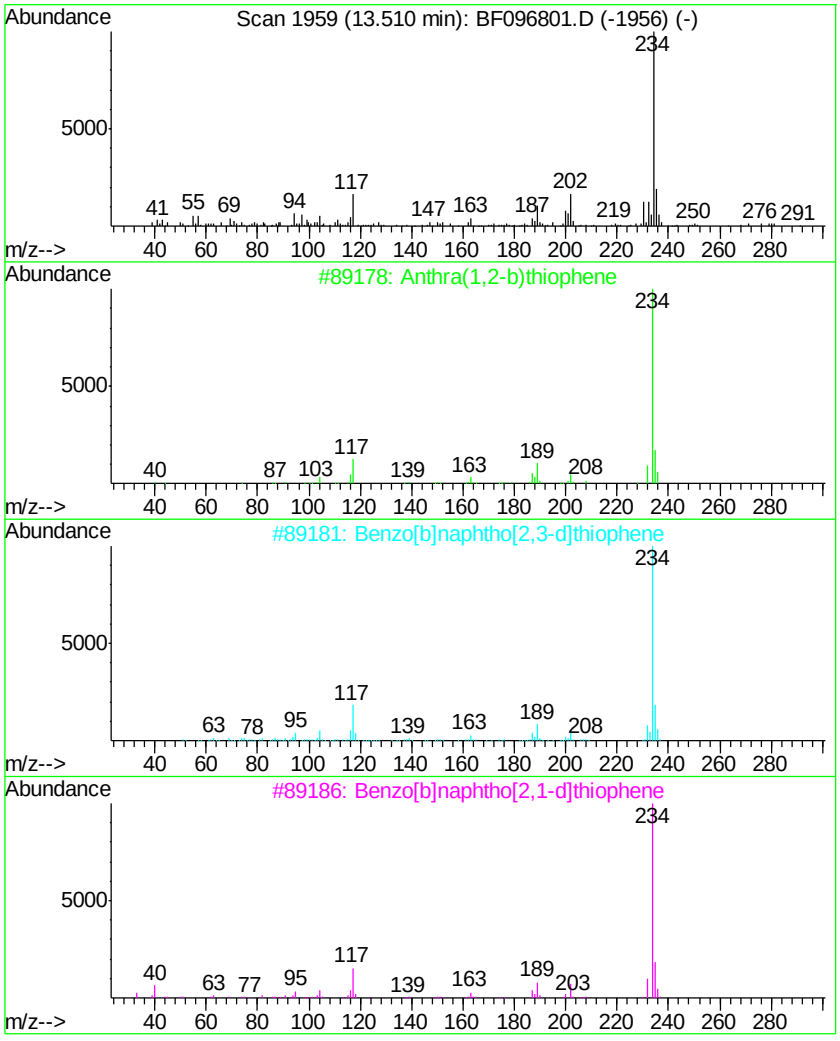
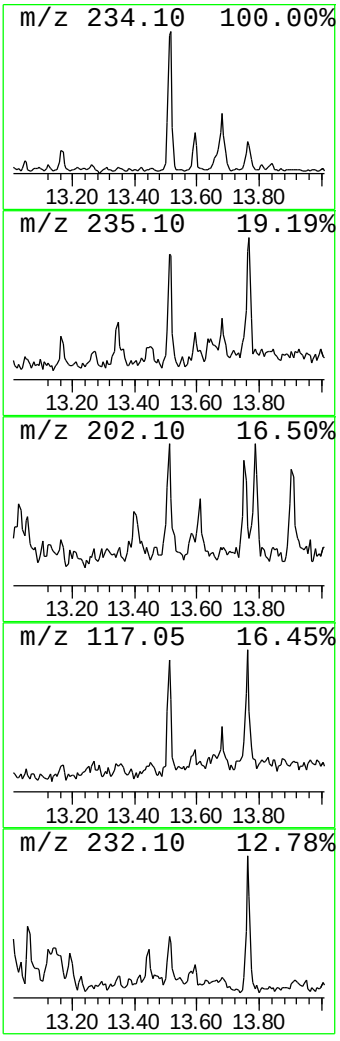
Peak Number 18 Anthra(1,2-b)thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	2.74 ng	138711	Chrysene-d12	13.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	83





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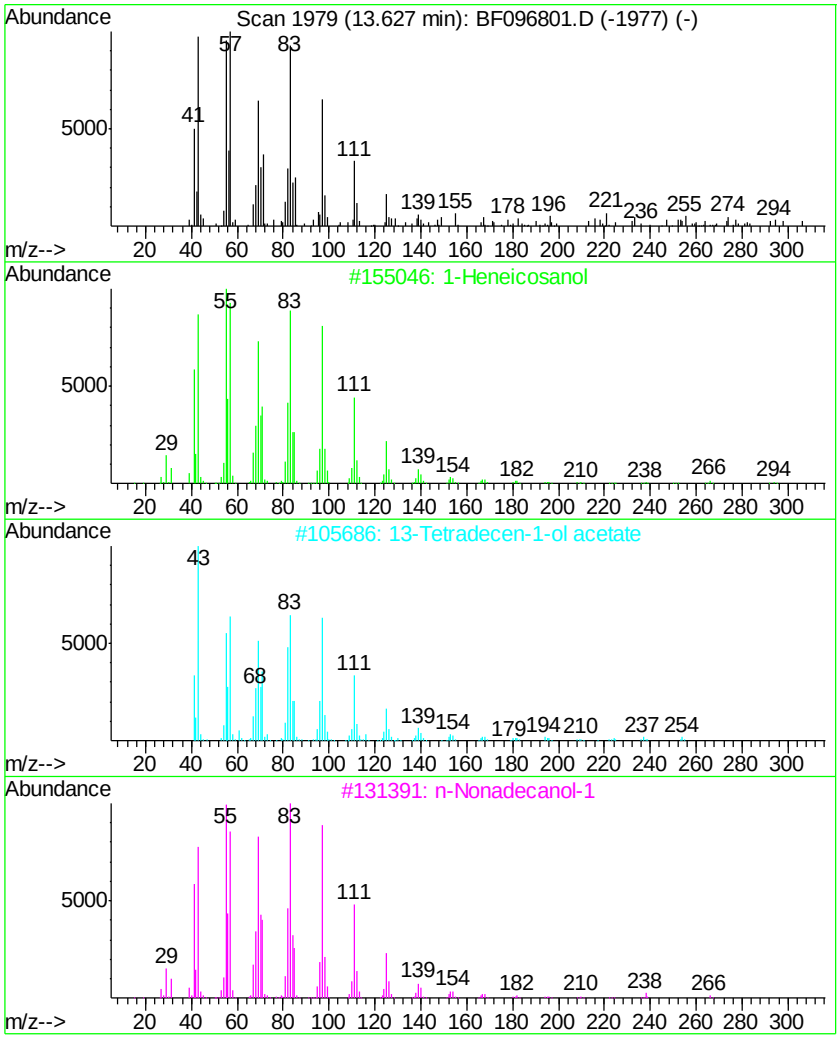
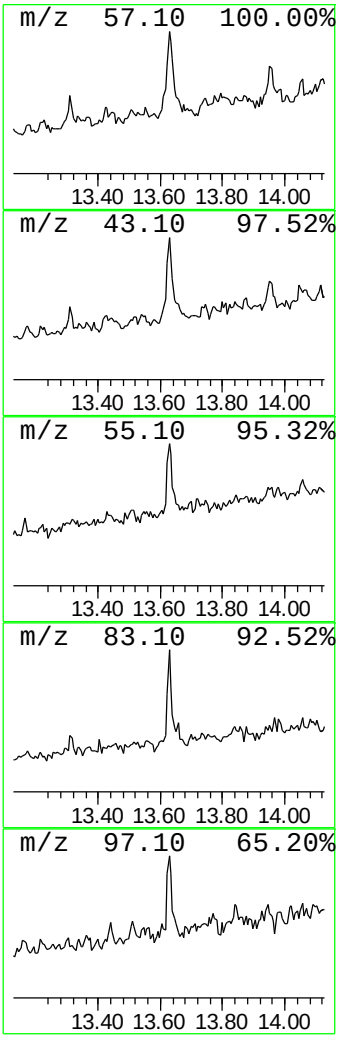
Peak Number 19 1-Heneicosanol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	3.50 ng	177412	Chrysene-d12	13.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	93
3	n-Nonadecanol-1	284	C19H40O	001454-84-8	87
4	Behenic alcohol	326	C22H46O	000661-19-8	81
5	1-Tetradecene	196	C14H28	001120-36-1	78





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Acq On : 15 Jul 2017 5:02
Operator : SJ/JU
Sample : I4163-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071217

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

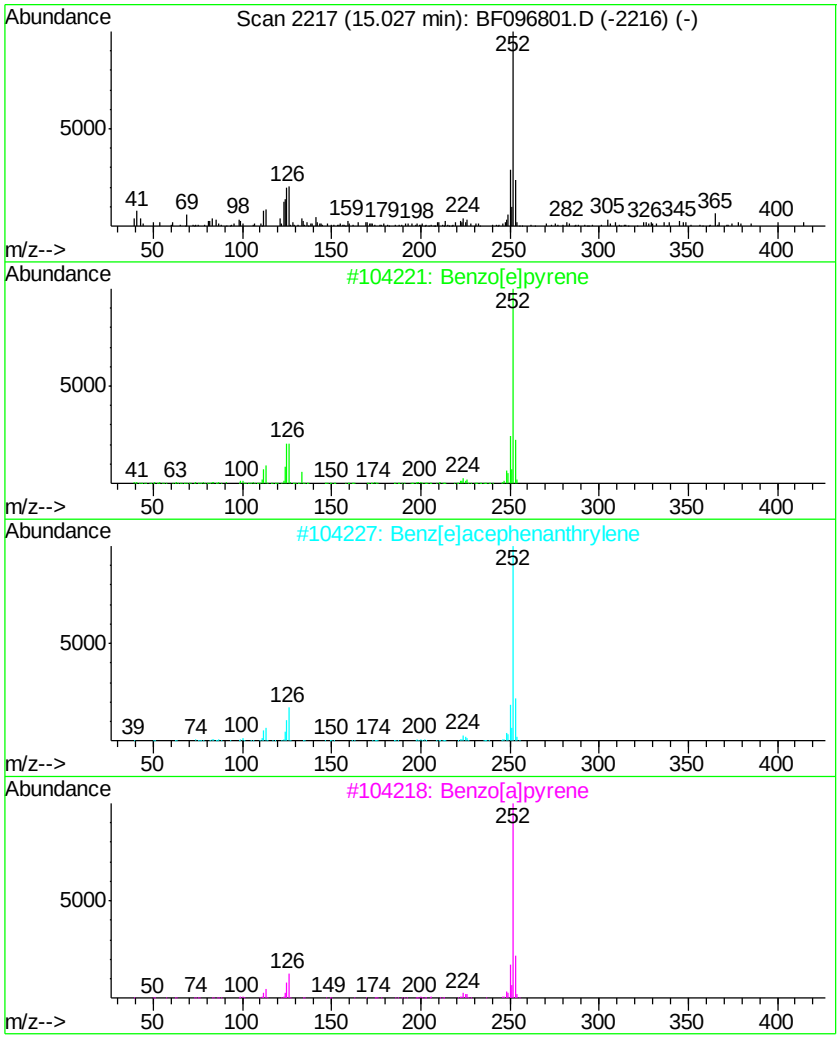
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

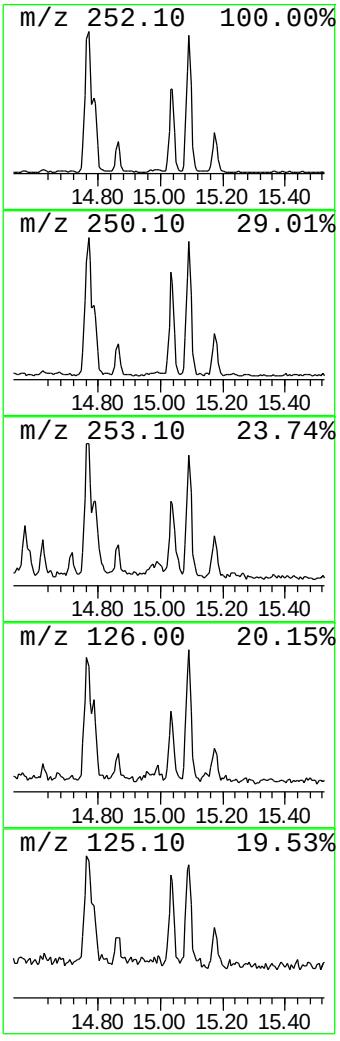
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	10.34 ng	177437	Perylene-d12	15.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
Data File : BF096801.D
Acq On : 15 Jul 2017 5:02
Operator : SJ/JU
Sample : I4163-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-071217

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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...	4.80	11.3	ng	345484	1	6.63	610219	20.0
unknown6.40	6.40	61.9	ng	1887950	1	6.63	610219	20.0
Biphenylene	9.52	2.6	ng	103789	3	9.66	787014	20.0
Tetradecane	10.57	2.4	ng	80385	4	11.13	672913	20.0
Anthracene, 2-met...	11.63	4.5	ng	151206	4	11.13	672913	20.0
Phenanthrene, 1-m...	11.66	6.0	ng	200553	4	11.13	672913	20.0
Phenanthrene, 2-m...	11.71	2.2	ng	75268	4	11.13	672913	20.0
Benzaldehyde, 3,5...	11.75	9.3	ng	312064	4	11.13	672913	20.0
1H-Cyclopropa[l]p...	11.77	3.3	ng	111502	4	11.13	672913	20.0
Tricyclo[8.2.2.2(...	11.93	2.2	ng	74539	4	11.13	672913	20.0
di-p-Tolylacetylene	12.19	4.4	ng	147618	4	11.13	672913	20.0
unknown12.22	12.22	3.4	ng	114052	4	11.13	672913	20.0
Phenanthrene, 3,6...	12.27	2.4	ng	79085	4	11.13	672913	20.0
Pyrene, 1-methyl-	12.90	4.0	ng	200165	5	13.76	1013800	20.0
11H-Benzo[b]fluorene	12.96	2.5	ng	129487	5	13.76	1013800	20.0
Anthra(1,2-b)thio...	13.51	2.7	ng	138711	5	13.76	1013800	20.0
1-Heneicosanol	13.63	3.5	ng	177412	5	13.76	1013800	20.0
Benzo[e]pyrene	15.03	10.3	ng	177437	6	15.15	343196	20.0