LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
Data File : BF097916.D
Acq On : 21 Aug 2017 20:19
Operator : SJ/JU
Sample : I4875-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-D

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-BF081517.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	3.110	171	174	180	rBV	29702	63016	2.88%	0.187%
2	4.940	481	485	493	rVB	169686	212496	9.70%	0.631%
3	5.357	551	556	559	rBV	2075309	2030214	92.66%	6.032%
4	6.381	726	730	740	rVB	2137693	2190925	100.00%	6.510%
5	6.516	749	753	756	rBV	2277832	2063141	94.17%	6.130%
6	6.751	789	793	796	rBV	800734	722654	32.98%	2.147%
7	6.904	815	819	822	rBV	1855636	1539344	70.26%	4.574%
8	7.310	883	888	891	rBV	1464441	1249051	57.01%	3.711%
9	7.404	900	904	911	rVB	45666	52653	2.40%	0.156%
10	7.934	991	994	998	rBV	46207	42483	1.94%	0.126%
11	8.034	1006	1011	1013	rBV	1053746	921560	42.06%	2.738%
12	8.051	1013	1014	1017	rVB	147935	84817	3.87%	0.252%
13	8.745	1128	1132	1135	rVB	149073	129433	5.91%	0.385%
14	8.839	1144	1148	1152	rVB	138529	112696	5.14%	0.335%
15	9.110	1189	1194	1197	rBV	2271960	2057215	93.90%	6.112%
16	9.204	1203	1210	1215	rBV2	52565	71119	3.25%	0.211%
17	9.304	1224	1227	1231	rVB	29725	36746	1.68%	0.109%
18	9.369	1234	1238	1242	rVV	69939	93981	4.29%	0.279%
19	9.439	1247	1250	1253	rVV	129360	132247	6.04%	0.393%
20	9.469	1253	1255	1257	rVV	85180	66460	3.03%	0.197%
21	9.504	1257	1261	1265	rVV	394298	371662	16.96%	1.104%
22	9.557	1267	1270	1275	rVB	62879	68634	3.13%	0.204%
23	9.645	1281	1285	1289	rVB	225643	204942	9.35%	0.609%
24	9.780	1302	1308	1312	rBV	868192	885252	40.41%	2.630%
25	9.816	1312	1314	1317	rVB	188207	145725	6.65%	0.433%
26	9.892	1323	1327	1330	rBV2	34162	45507	2.08%	0.135%
27	9.986	1339	1343	1346	rVV	180854	153581	7.01%	0.456%
28	10.028	1346	1350	1353	rVV	52427	48650	2.22%	0.145%
29	10.098	1358	1362	1365	rVV2	58739	65380	2.98%	0.194%
30	10.192	1373	1378	1379	rBV2	58616	65611	2.99%	0.195%
31	10.222	1381	1383	1388	rVB2	50009	57009	2.60%	0.169%
32	10.280	1388	1393	1395	rBV4	28826	35077	1.60%	0.104%
33	10.328	1398	1401	1407	rVB	321253	278450	12.71%	0.827%
34	10.392	1407	1412	1414	rBV2	41578	51352	2.34%	0.153%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I4875-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-D

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-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.439	1418	1420	1423	rVV2	48469	45560	2.08%	0.135%
36	10.486	1425	1428	1431	rVB	63502	54900	2.51%	0.163%
37	10.569	1437	1442	1446	rBV	1170652	1061921	48.47%	3.155%
38	10.692	1460	1463	1470	rVB	125308	131106	5.98%	0.390%
39	10.875	1488	1494	1497	rBV2	86375	116421	5.31%	0.346%
40	10.904	1497	1499	1502	rVV2	65899	61459	2.81%	0.183%
41	10.957	1505	1508	1511	rVV2	51924	52257	2.39%	0.155%
42	11.004	1511	1516	1518	rVV3	33400	55599	2.54%	0.165%
43	11.027	1518	1520	1522	rVV2	49864	45544	2.08%	0.135%
44	11.069	1525	1527	1531	rVV3	45587	52019	2.37%	0.155%
45	11.116	1531	1535	1537	rVV2	44531	53116	2.42%	0.158%
46	11.139	1537	1539	1541	rVV	65219	68308	3.12%	0.203%
47	11.163	1541	1543	1550	rVB	134936	139054	6.35%	0.413%
48	11.263	1557	1560	1562	rBV	792711	725433	33.11%	2.155%
49	11.286	1562	1564	1568	rVV	1210943	1093330	49.90%	3.248%
50	11.339	1568	1573	1576	rVB	393211	323550	14.77%	0.961%
51	11.374	1576	1579	1582	rBV2	61913	69234	3.16%	0.206%
52	11.492	1593	1599	1602	rBV	104162	119568	5.46%	0.355%
53	11.563	1609	1611	1613	rBV2	76657	60124	2.74%	0.179%
54	11.592	1613	1616	1620	rVB	106674	95151	4.34%	0.283%
55	11.680	1628	1631	1634	rVB	70758	78512	3.58%	0.233%
56	11.763	1642	1645	1648	rBV	250295	243388	11.11%	0.723%
57	11.792	1648	1650	1654	rVB	344322	274256	12.52%	0.815%
58	11.839	1654	1658	1661	rBV2	125484	116096	5.30%	0.345%
59	11.874	1661	1664	1667	rVV	440749	479437	21.88%	1.424%
60	11.898	1667	1668	1673	rVB	216190	132712	6.06%	0.394%
61	11.951	1673	1677	1678	rBV3	31016	37159	1.70%	0.110%
62	11.974	1678	1681	1683	rVV3	48643	50236	2.29%	0.149%
63	11.998	1683	1685	1688	rVB	68404	52927	2.42%	0.157%
64	12.063	1693	1696	1698	rBV2	131712	129985	5.93%	0.386%
65	12.080	1698	1699	1704	rVB2	105128	98515	4.50%	0.293%
66	12.151	1706	1711	1712	rBV2	29331	47341	2.16%	0.141%
67	12.192	1715	1718	1719	rBV2	52736	50047	2.28%	0.149%
68	12.210	1719	1721	1723	rVB	56124	37985	1.73%	0.113%
69	12.239	1723	1726	1728	rBV	98047	77640	3.54%	0.231%
70	12.263	1728	1730	1733	rVB2	89941	70693	3.23%	0.210%
71	12.316	1735	1739	1742	rBV	261068	272138	12.42%	0.809%

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Operator : SJ/JU
Sample : I4875-10
Misc :
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Instrument : BNA_F
ClientSampleId : CL-02-081717-D

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-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.351	1742	1745	1747	rBV3	125973	144207	6.58%	0.428%
73	12.398	1750	1753	1758	rBV2	125955	174972	7.99%	0.520%
74	12.474	1762	1766	1770	rBV	1347068	1137801	51.93%	3.381%
75	12.521	1771	1774	1776	rBV	70524	72766	3.32%	0.216%
76	12.569	1779	1782	1785	rVB2	90014	82690	3.77%	0.246%
77	12.604	1785	1788	1789	rBV2	48871	43100	1.97%	0.128%
78	12.627	1789	1792	1795	rVB3	53575	56507	2.58%	0.168%
79	12.704	1799	1805	1808	rBV	1427826	1467690	66.99%	4.361%
80	12.763	1813	1815	1818	rVB	97006	85114	3.88%	0.253%
81	12.821	1822	1825	1826	rVV2	69135	64757	2.96%	0.192%
82	12.851	1826	1830	1836	rVB	1666296	1582875	72.25%	4.703%
83	12.921	1838	1842	1845	rBV3	151975	212984	9.72%	0.633%
84	12.974	1849	1851	1853	rBV2	59063	54938	2.51%	0.163%
85	13.027	1853	1860	1863	rVB	312516	456677	20.84%	1.357%
86	13.098	1869	1872	1874	rVB	221520	195061	8.90%	0.580%
87	13.133	1875	1878	1881	rBV2	268788	248048	11.32%	0.737%
88	13.227	1891	1894	1896	rVB	172139	159568	7.28%	0.474%
89	13.257	1896	1899	1902	rBV	198702	172618	7.88%	0.513%
90	13.433	1927	1929	1931	rBV2	63130	51404	2.35%	0.153%
91	13.645	1961	1965	1968	rBV2	160072	245819	11.22%	0.730%
92	13.674	1968	1970	1972	rVV	109383	78733	3.59%	0.234%
93	13.698	1972	1974	1977	rBV2	73127	71636	3.27%	0.213%
94	13.892	2003	2007	2010	rBV2	949933	1314022	59.98%	3.904%
95	13.921	2010	2012	2015	rVB	516011	440045	20.08%	1.307%
96	14.286	2071	2074	2077	rVB2	226224	240795	10.99%	0.715%
97	14.915	2177	2181	2190	rBV	393025	771910	35.23%	2.293%
98	15.204	2227	2230	2235	rVB	242812	291246	13.29%	0.865%
99	15.262	2237	2240	2246	rVB	341302	378546	17.28%	1.125%
100	15.321	2247	2250	2253	rBV	322853	338767	15.46%	1.007%

Sum of corrected areas: 33657100

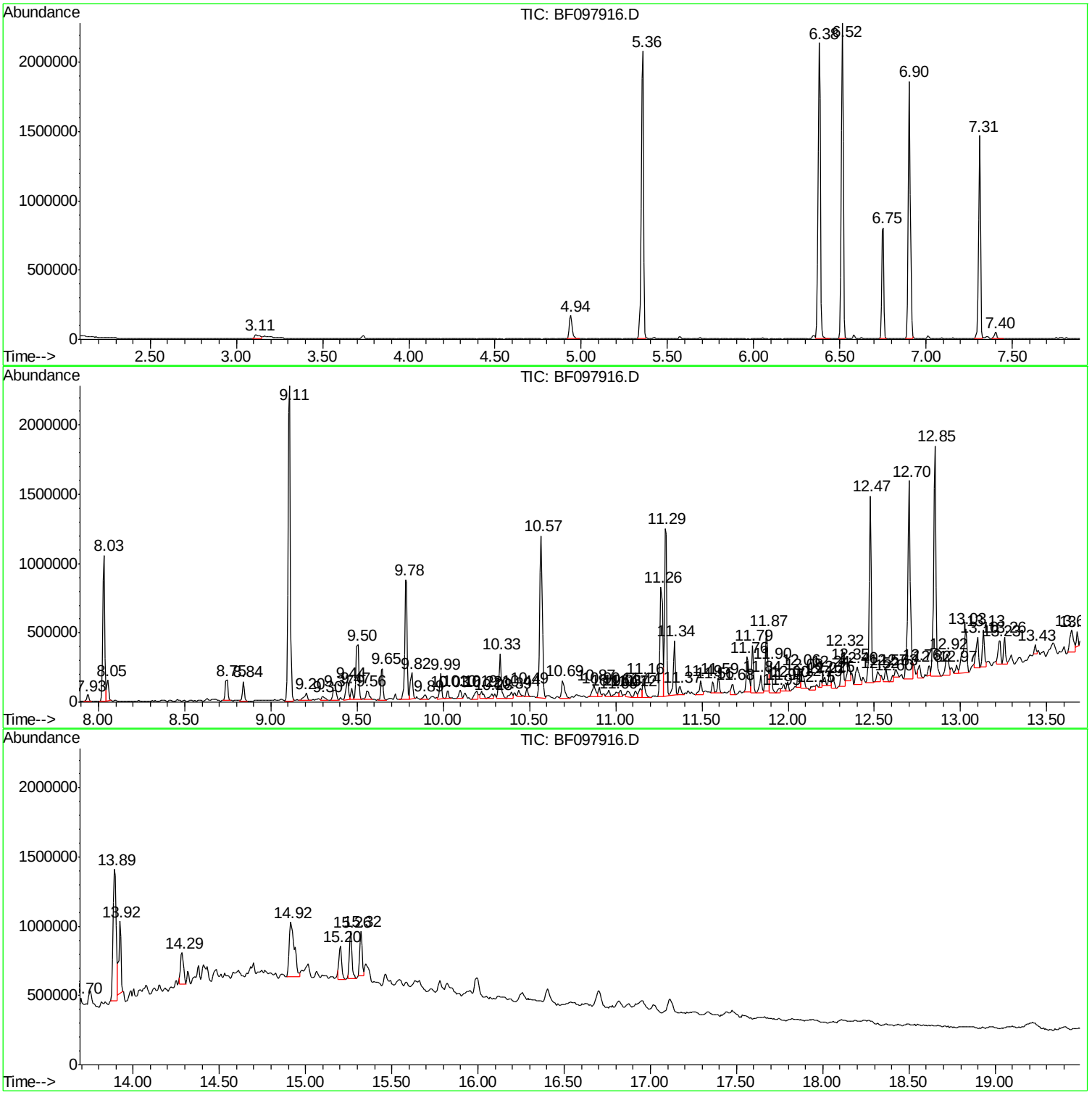
LSC Report - Integrated Chromatogram

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
Data File : BF097916.D
Acq On : 21 Aug 2017 20:19
Operator : SJ/JU
Sample : I4875-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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 : U:\HPCHEM1\BNA F\DATA\BF082117\
Data File : BF097916.D
Acq On : 21 Aug 2017 20:19
Operator : SJ/JU
Sample : I4875-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

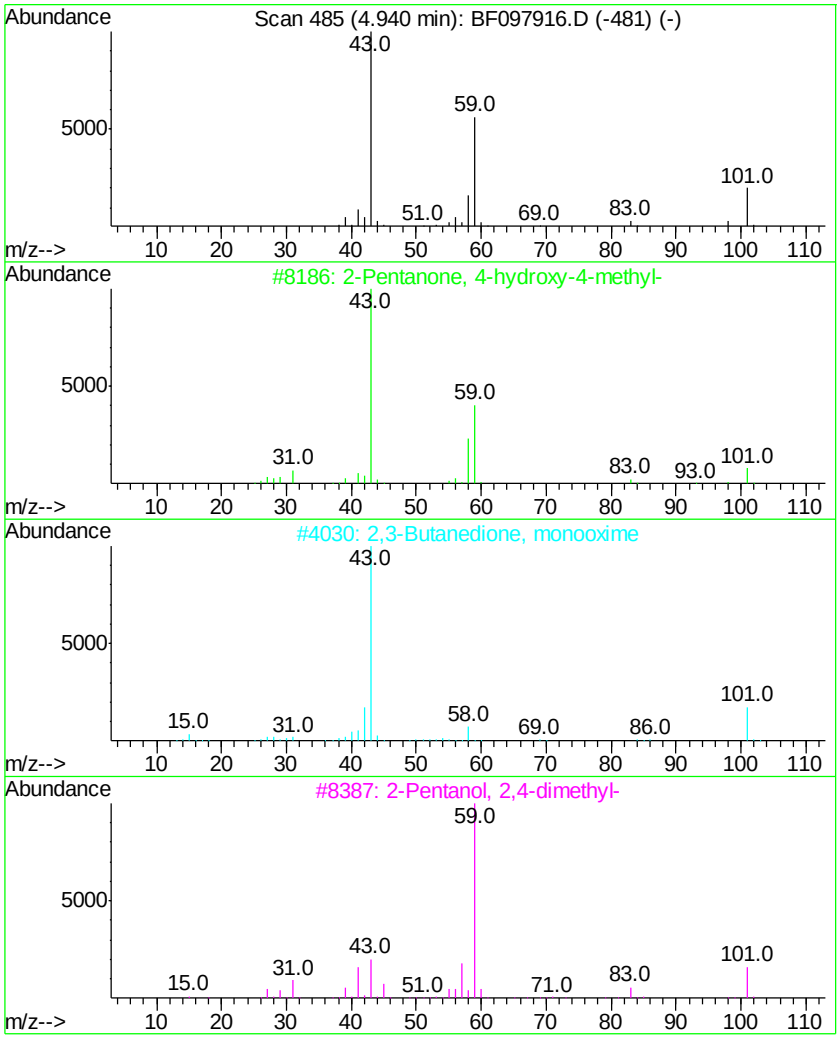
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

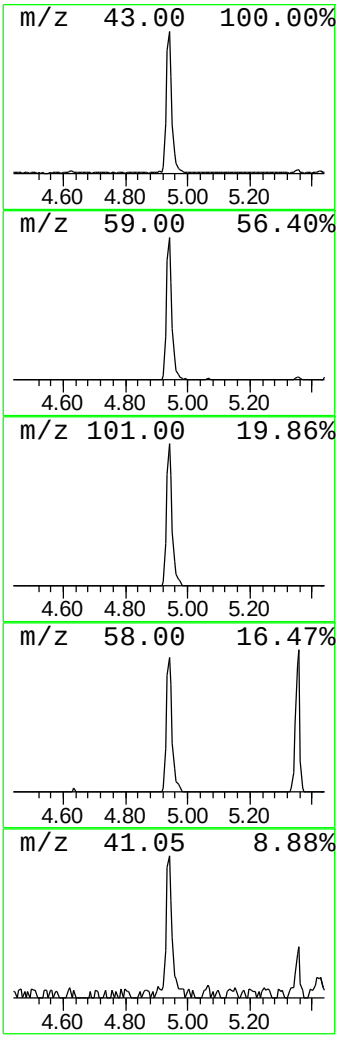
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	5.88 ng	212496	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	23
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17
5	Acetone	58	C3H6O	000067-64-1	10





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Sample : I4875-10
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Instrument : BNA_F
ClientSampleId : CL-02-081717-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

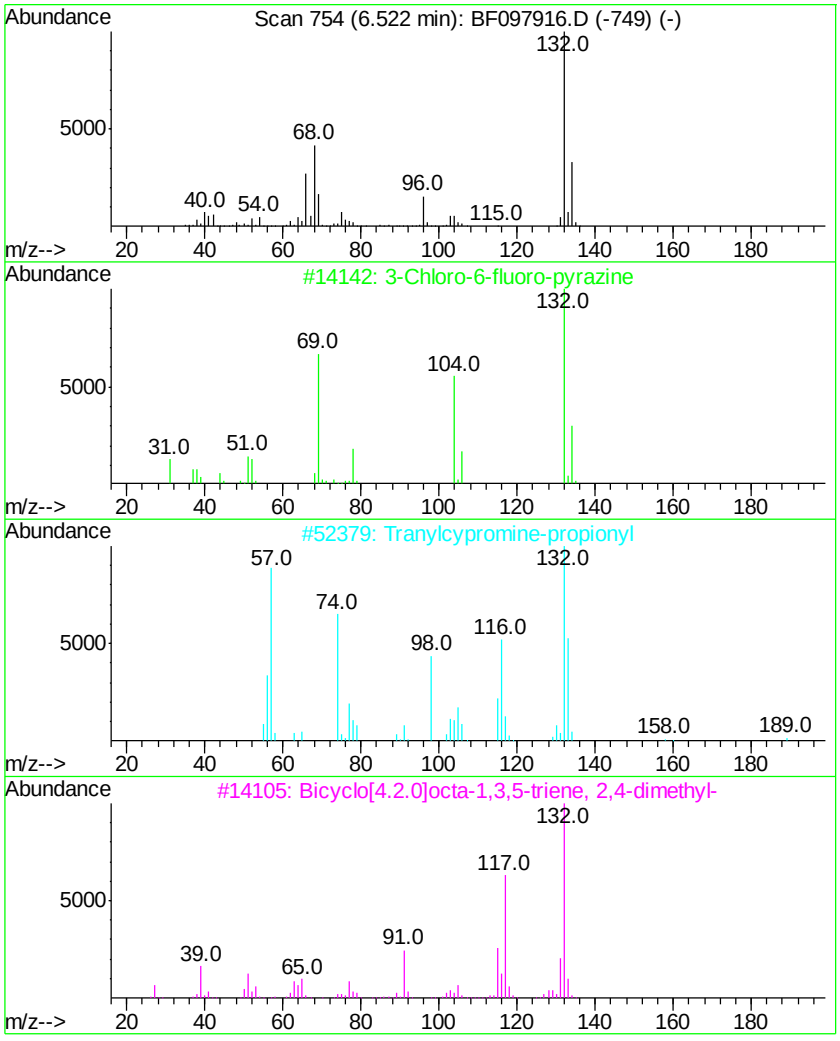
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

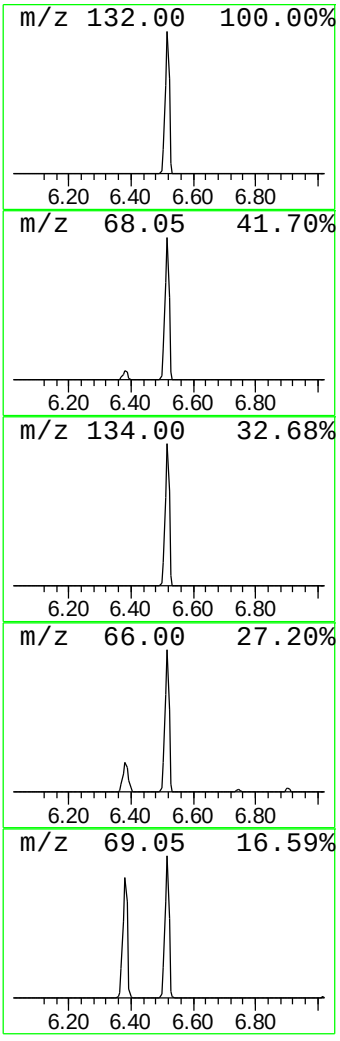
****

Peak Number 2 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	57.10 ng	2063140	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Xenon	132	Xe	007440-63-3	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Instrument : BNA_F
ClientSampleId : CL-02-081717-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

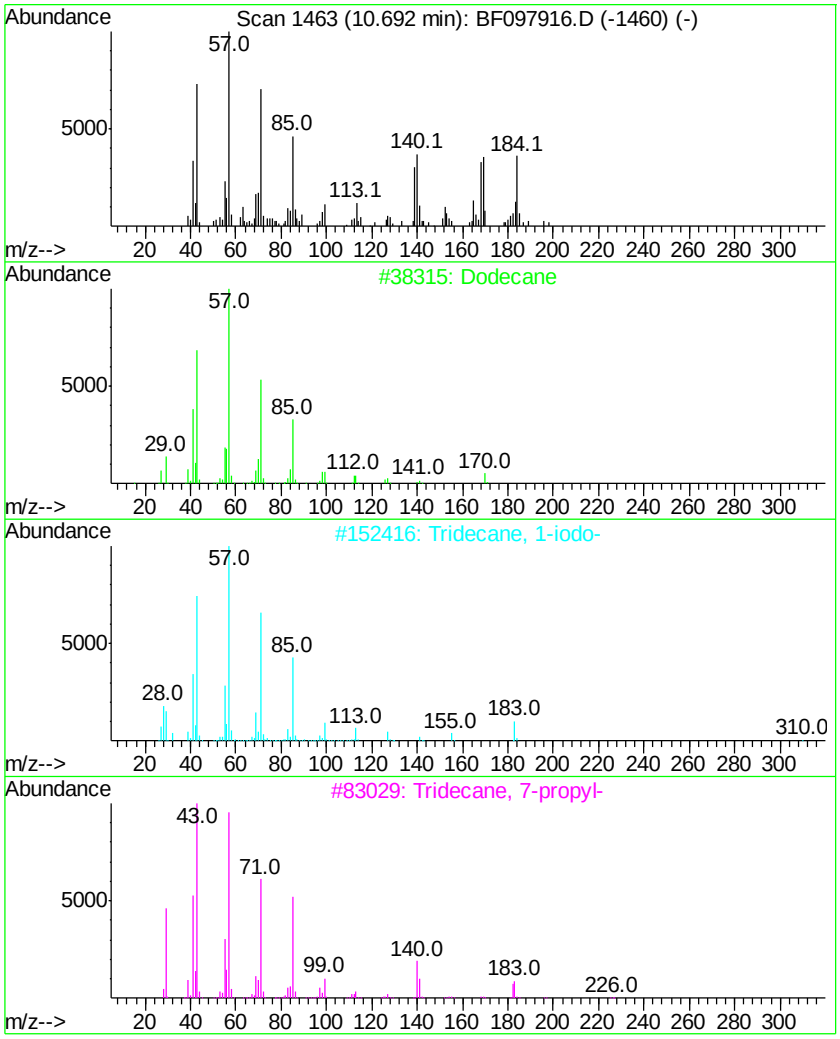
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

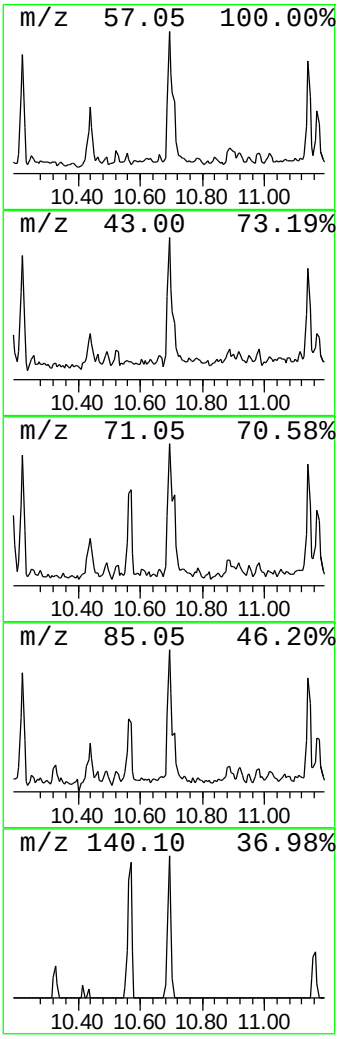
****

Peak Number 4 Dodecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	3.61 ng	131106	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	55
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	38
3	Tridecane, 7-propyl-	226	C16H34	055045-09-5	38
4	Nonadecane	268	C19H40	000629-92-5	38
5	Octacosane	394	C28H58	000630-02-4	38





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Sample : I4875-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

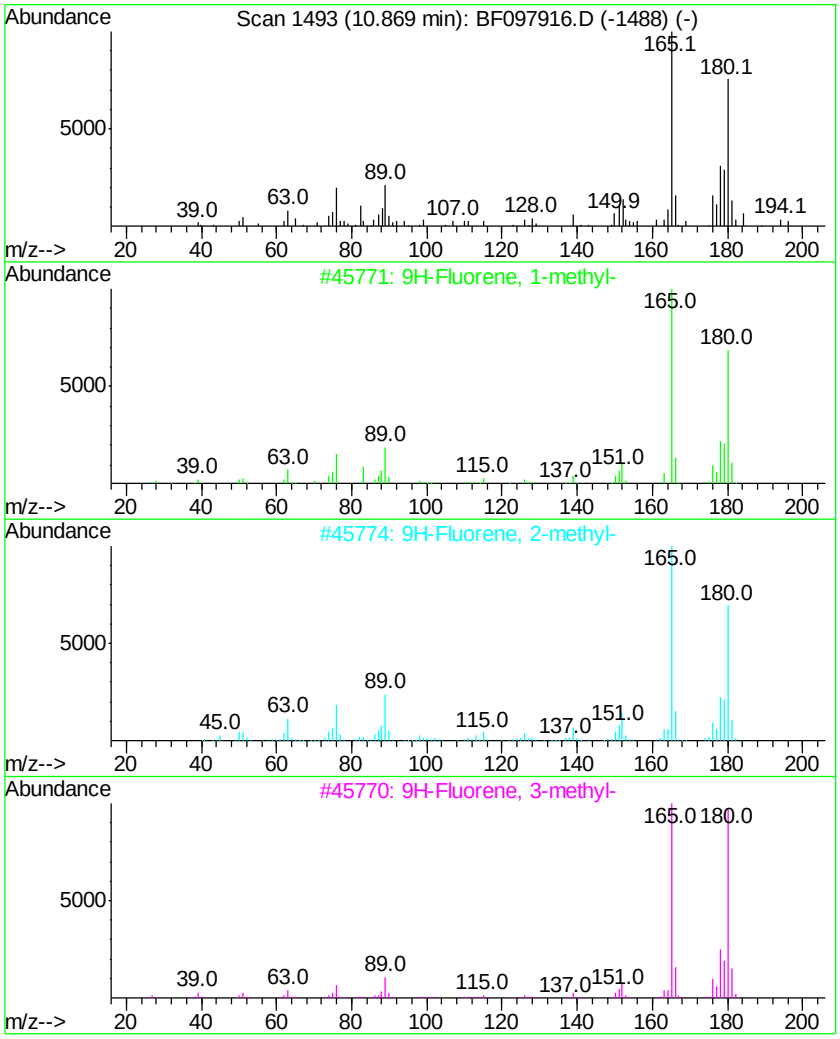
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

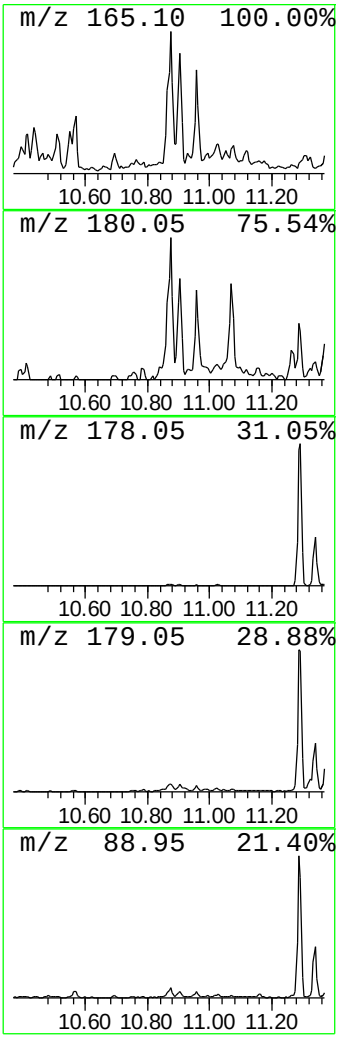
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	3.21 ng	116421	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	98
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91





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Data File : BF097916.D
Acq On : 21 Aug 2017 20:19
Operator : SJ/JU
Sample : I4875-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

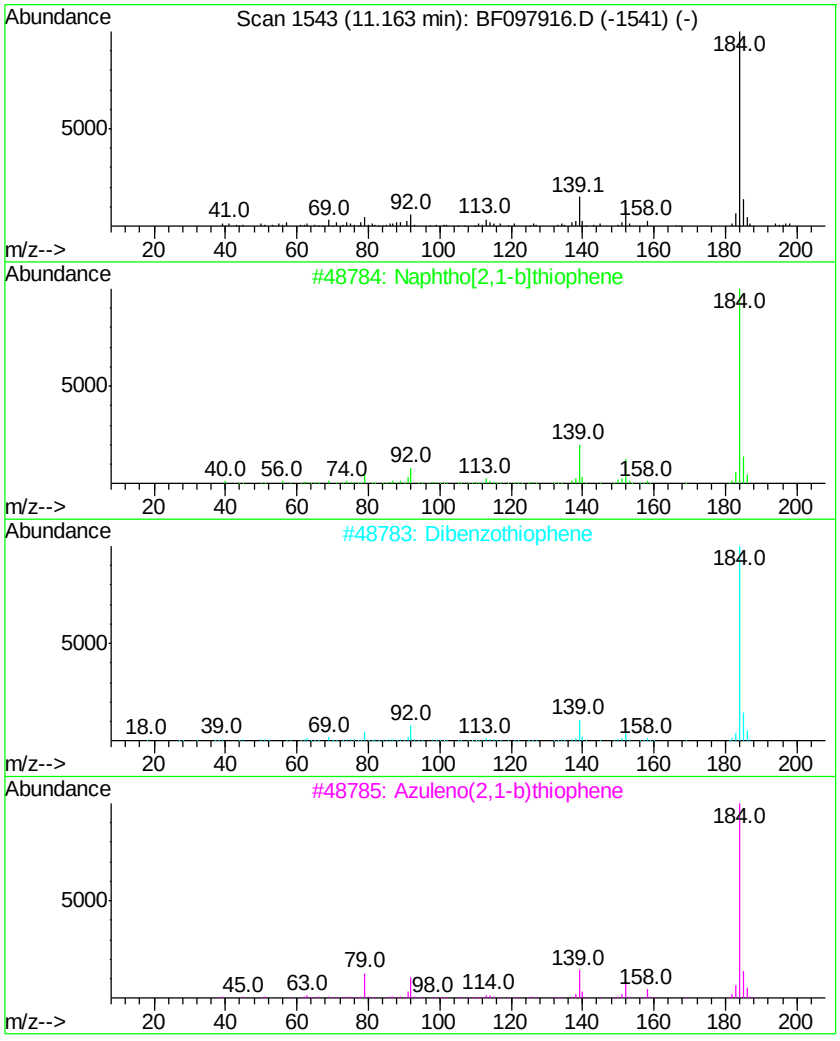
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

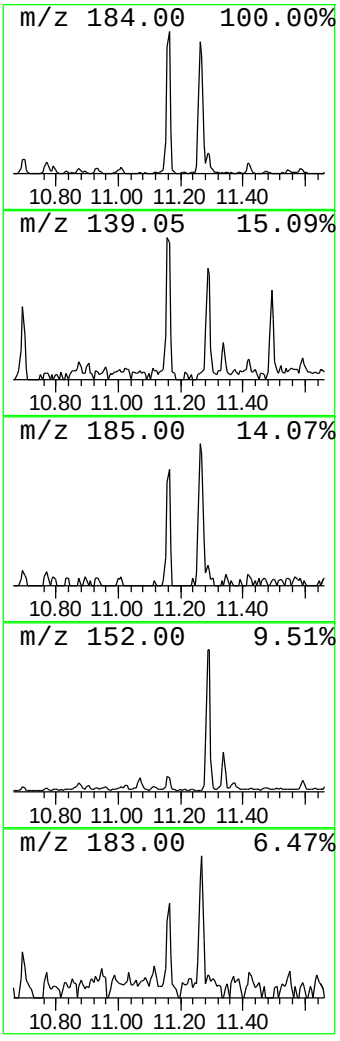
****

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	3.83 ng	139054	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87





Library Search Compound Report

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Acq On : 21 Aug 2017 20:19
Operator : SJ/JU
Sample : I4875-10
Misc :
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Instrument : BNA_F
ClientSampleId : CL-02-081717-D

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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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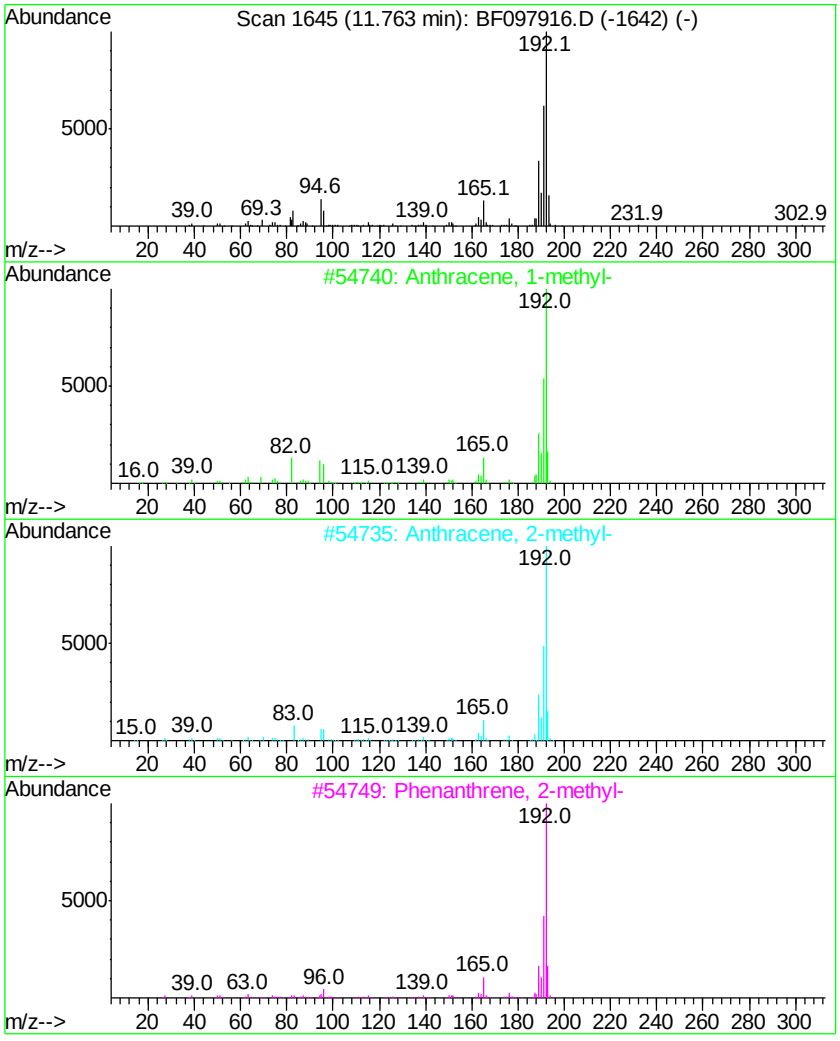
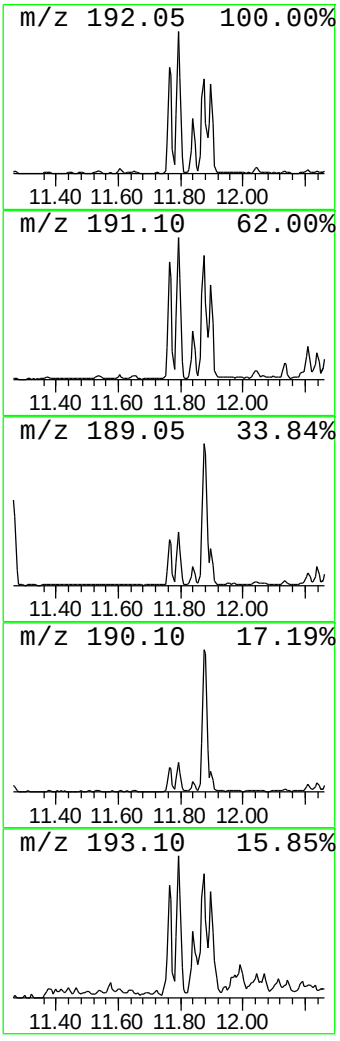
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	6.71 ng	243388	Phenanthrene-d10	11.26

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





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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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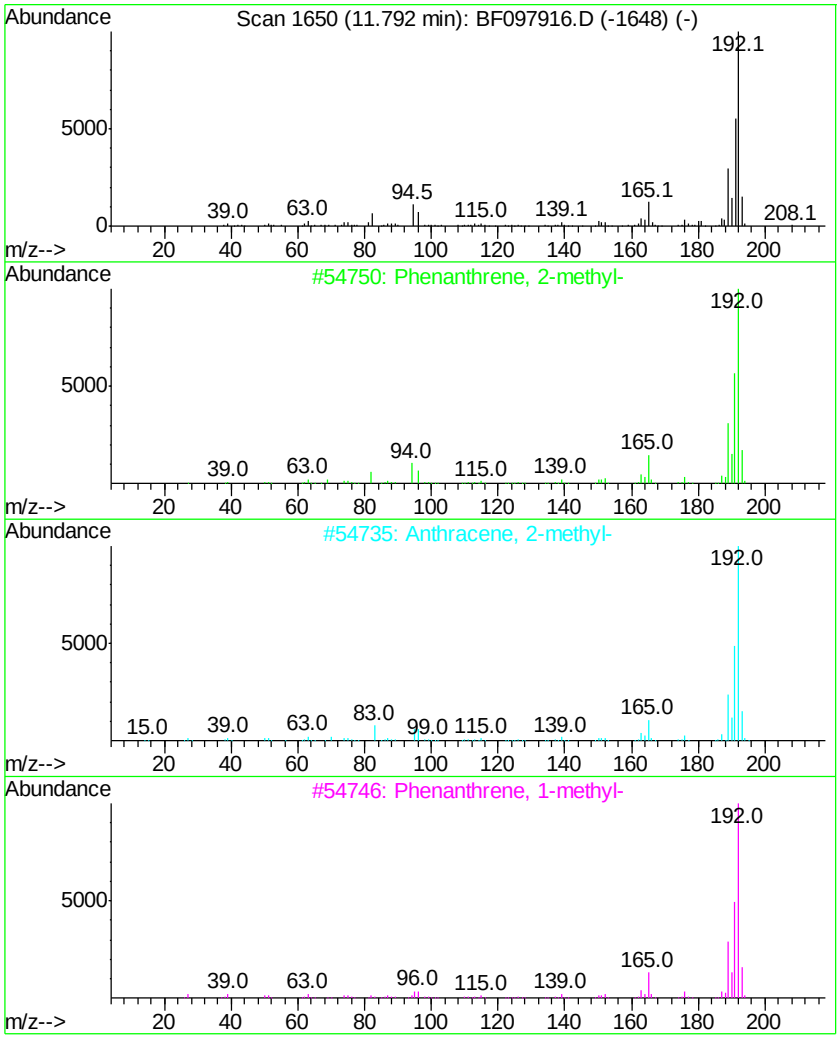
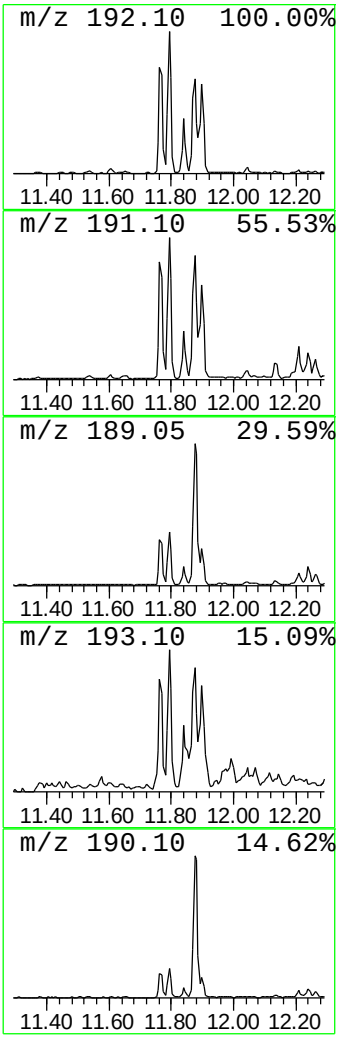
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	7.56 ng	274256	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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

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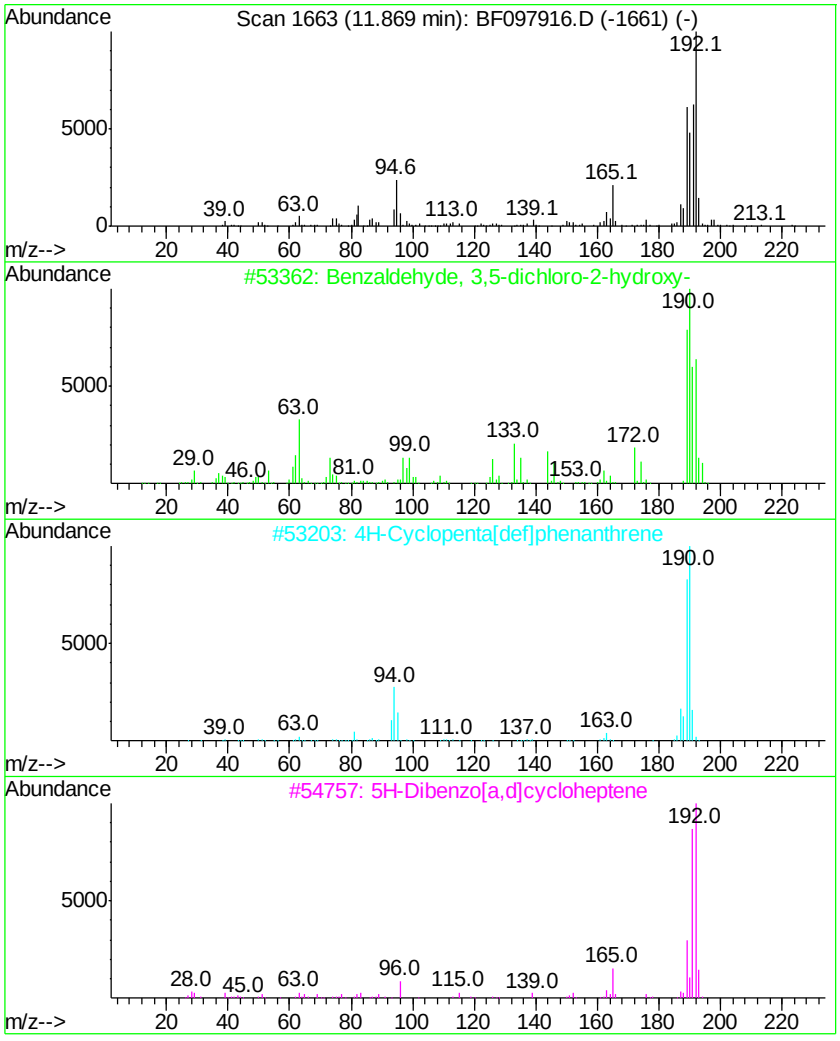
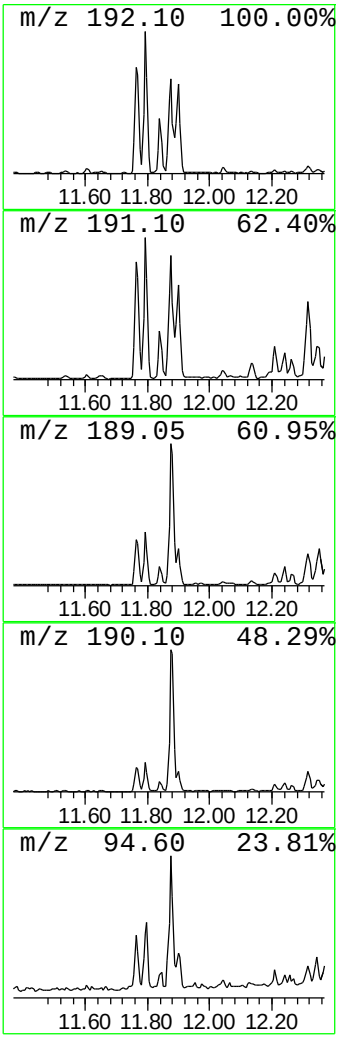
Peak Number 9 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	13.22 ng	479437	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





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

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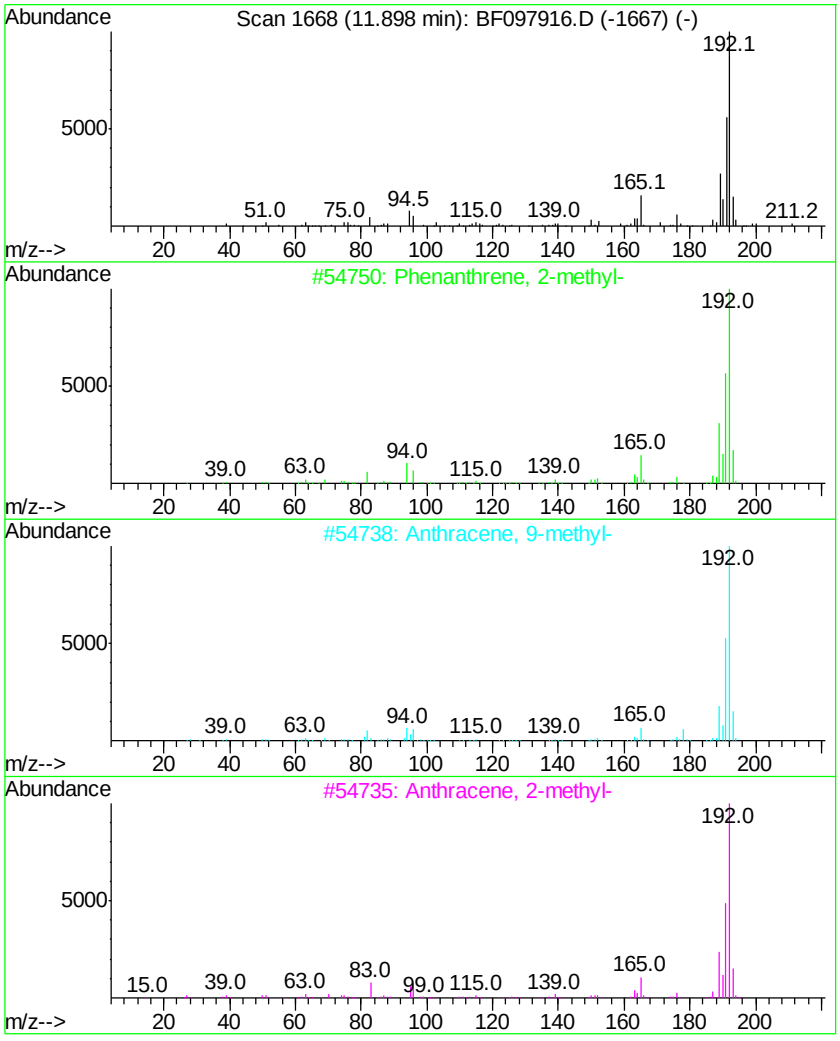
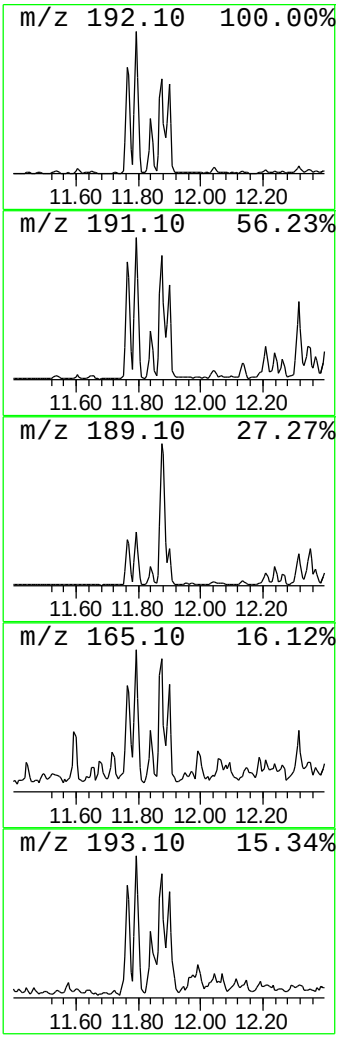
Peak Number 10 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.66 ng	132712	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87





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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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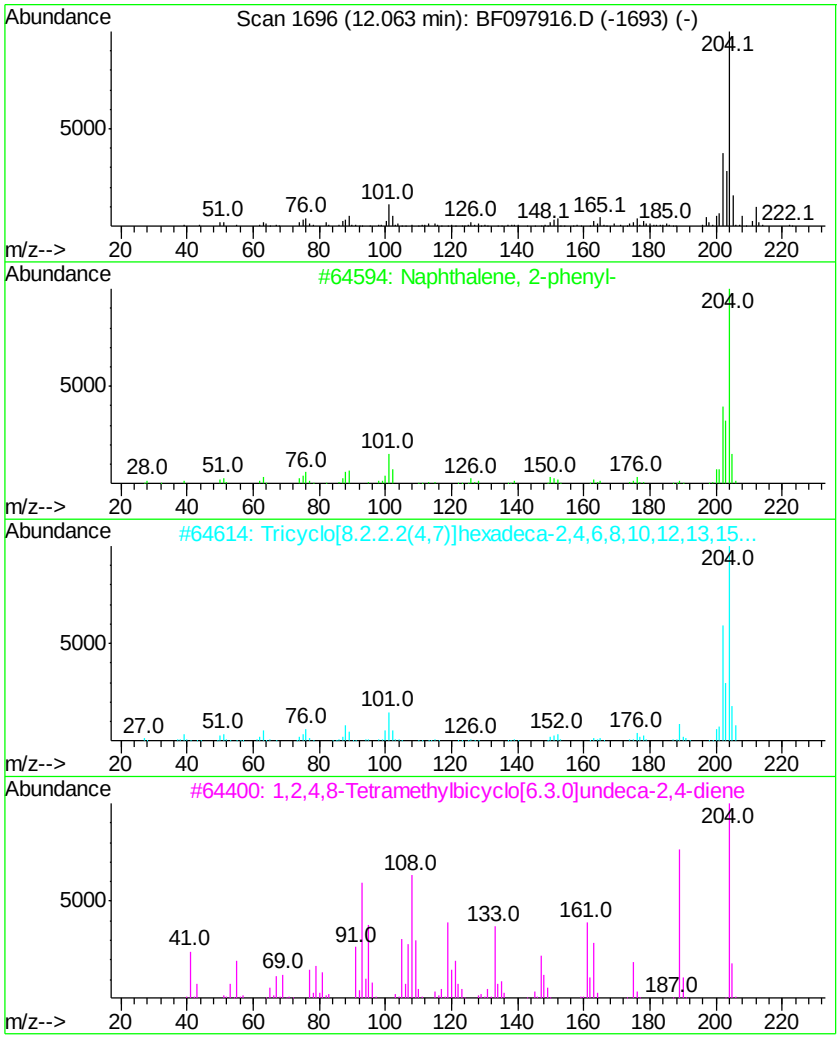
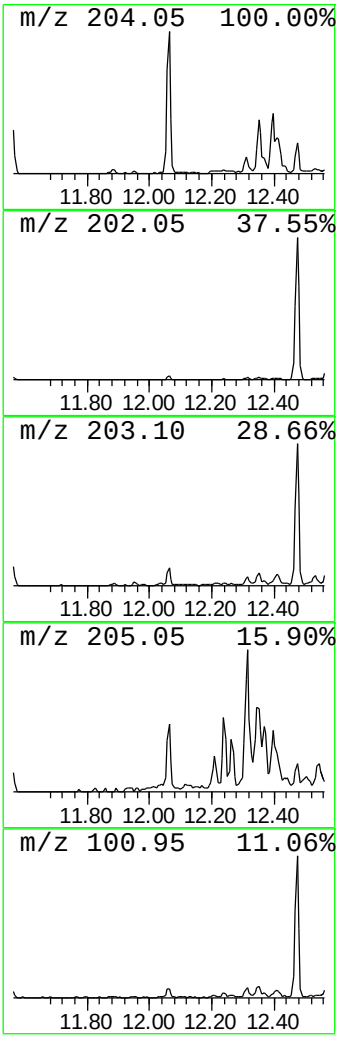
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	3.58 ng	129985	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	60





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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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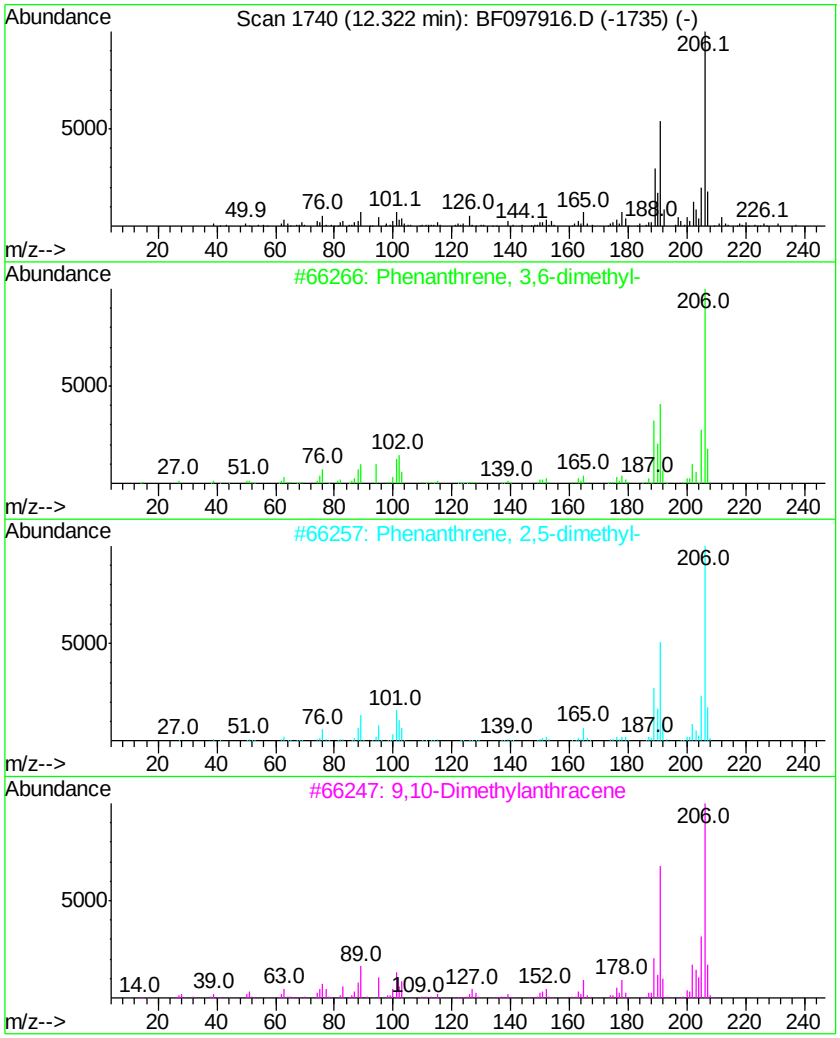
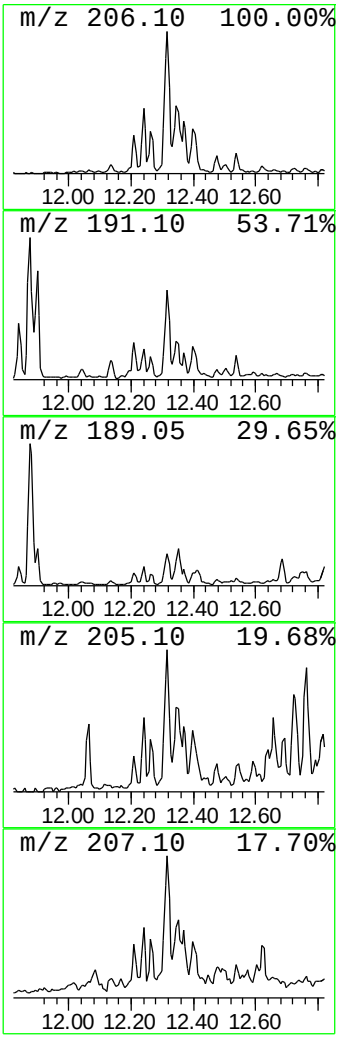
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	7.50 ng	272138	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Instrument : BNA_F
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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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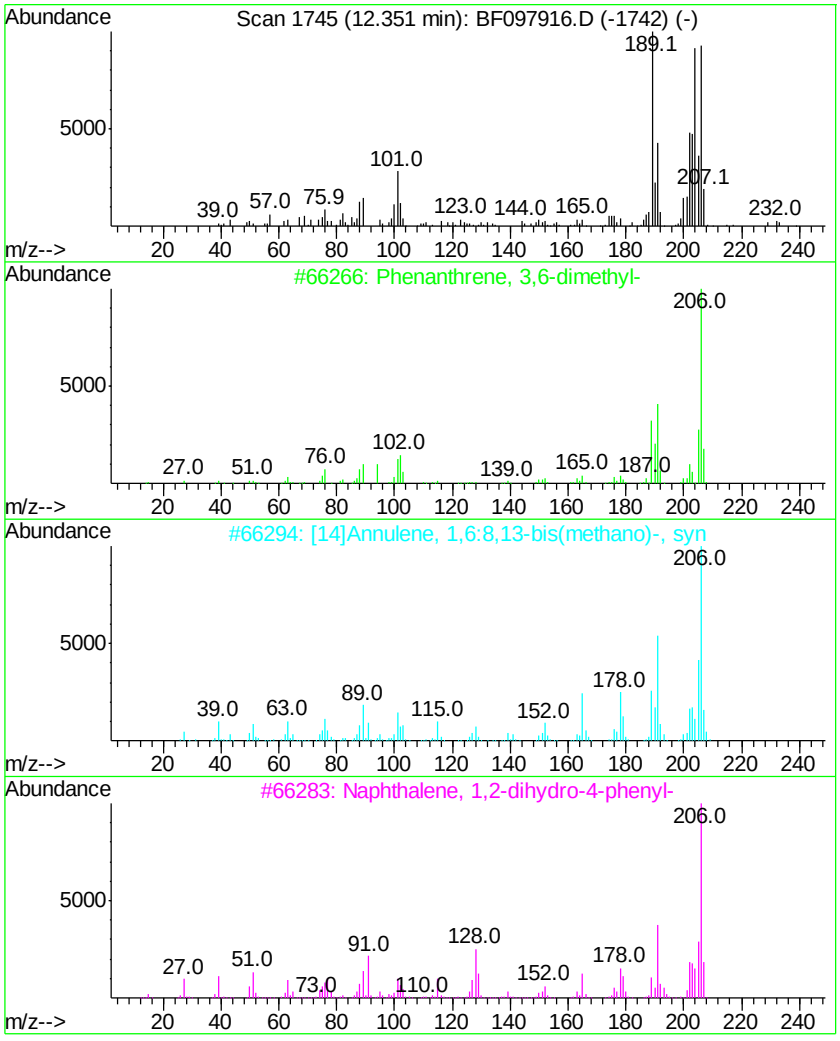
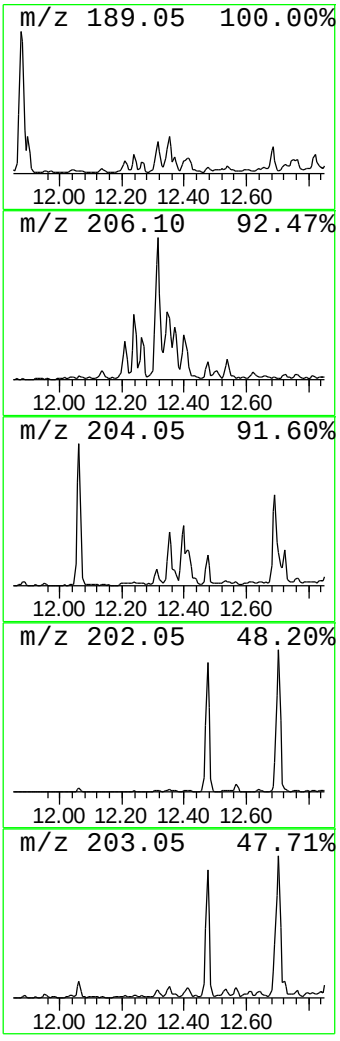
Peak Number 13 unknown12.35 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	3.98 ng	144207	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	30
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	30
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	30





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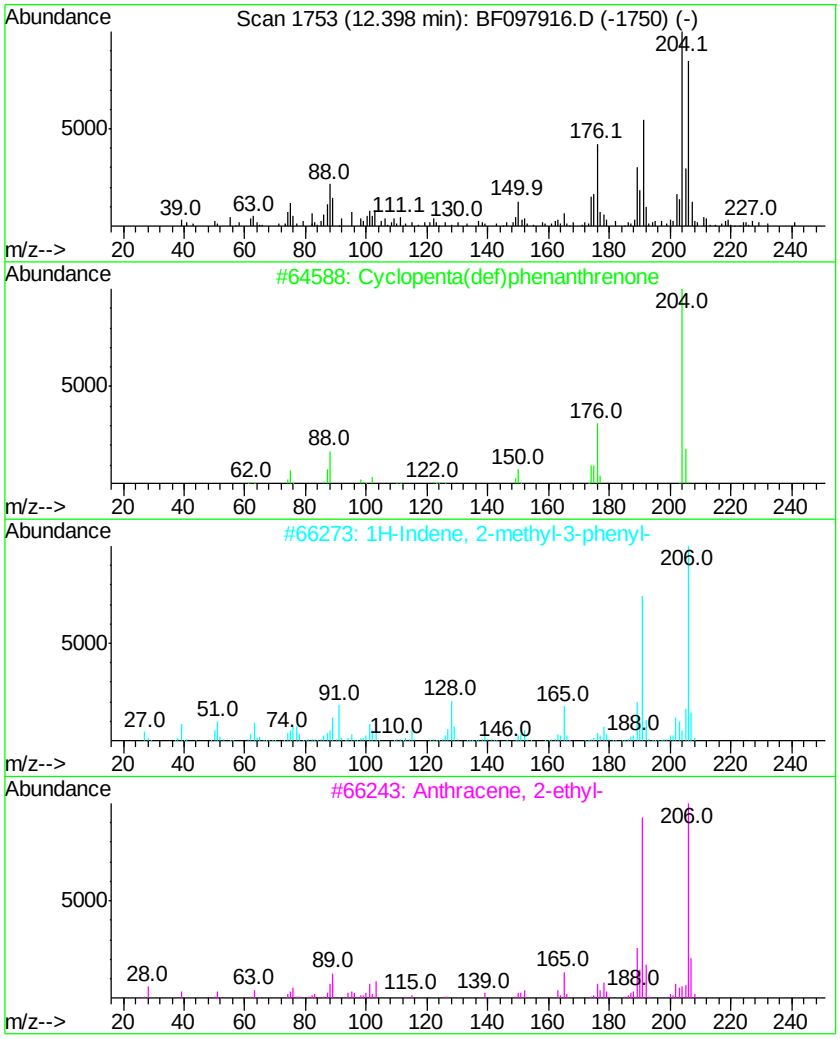
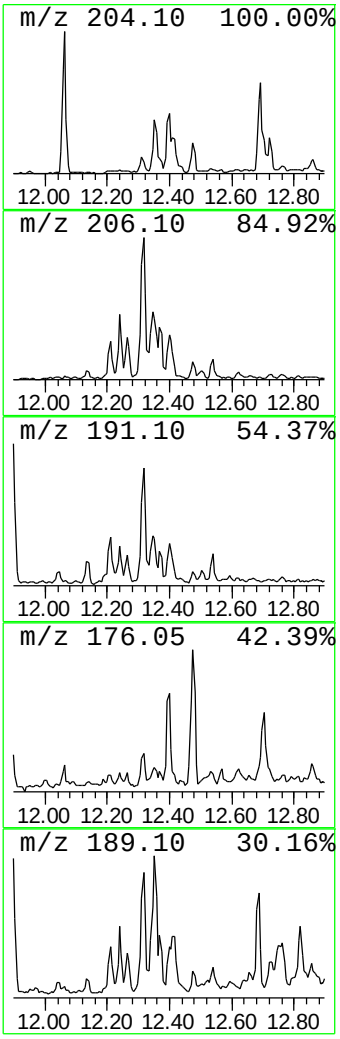
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	4.82 ng	174972	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	52
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	50
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	50
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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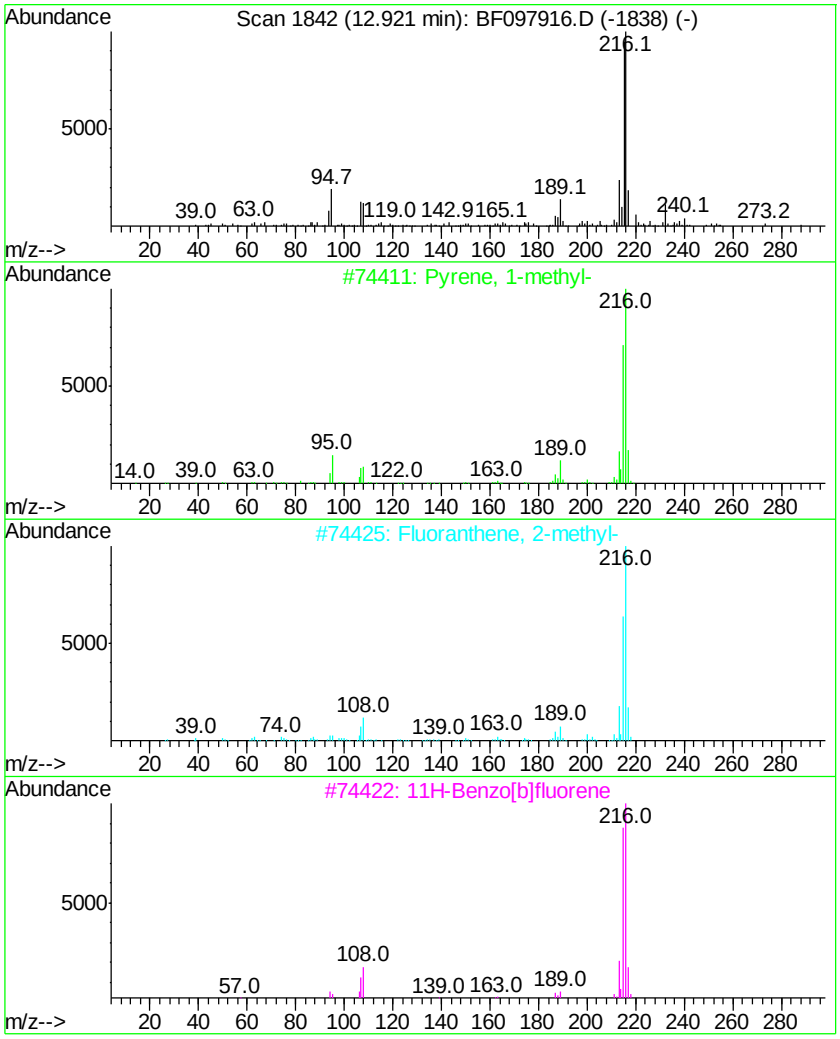
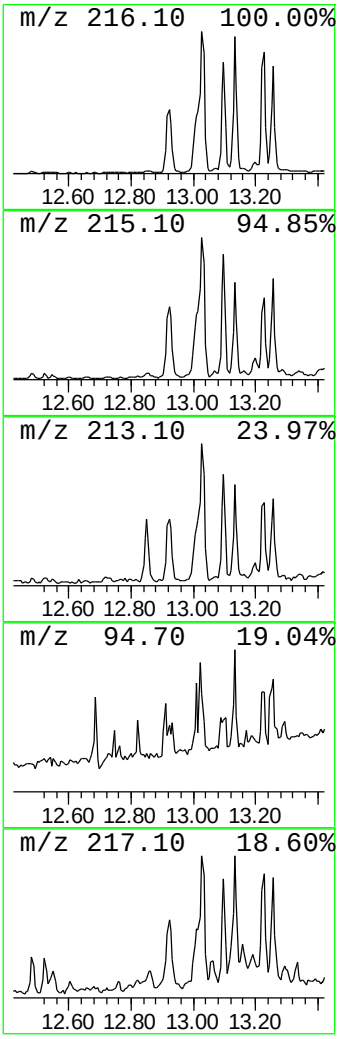
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	3.24 ng	212984	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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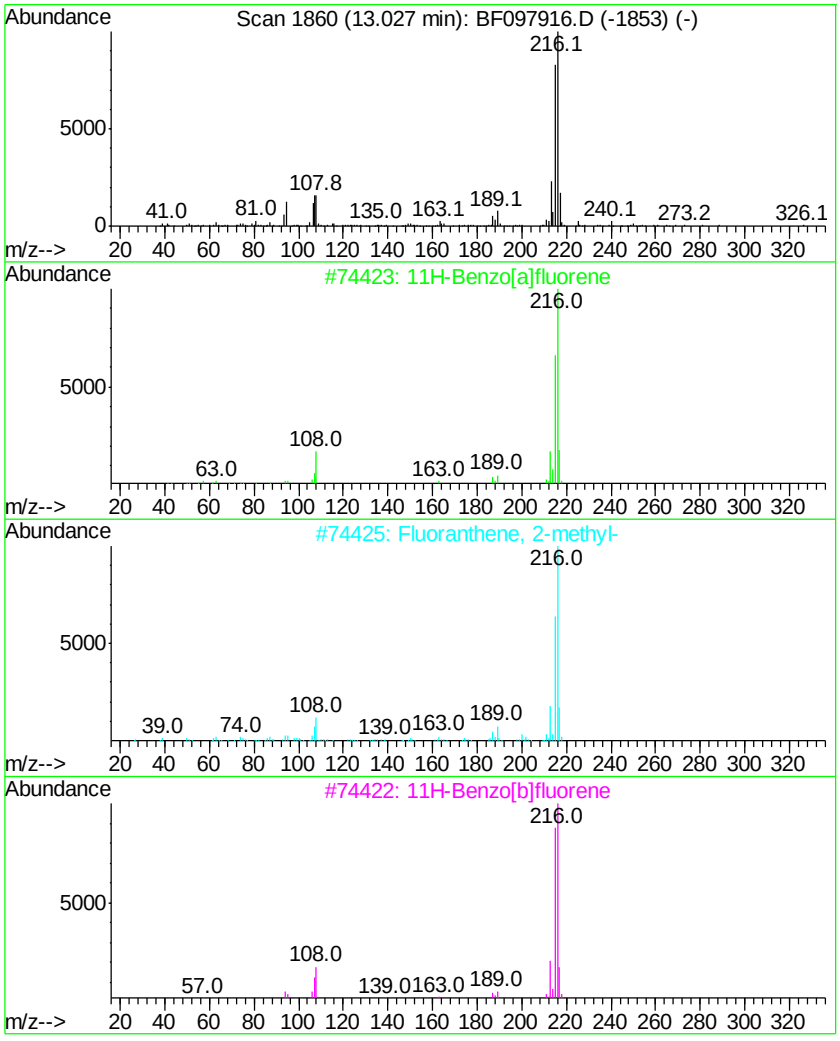
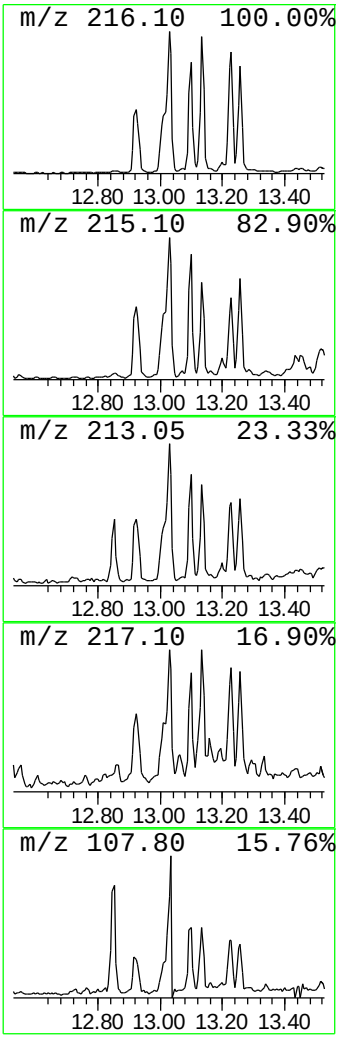
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	6.95 ng	456677	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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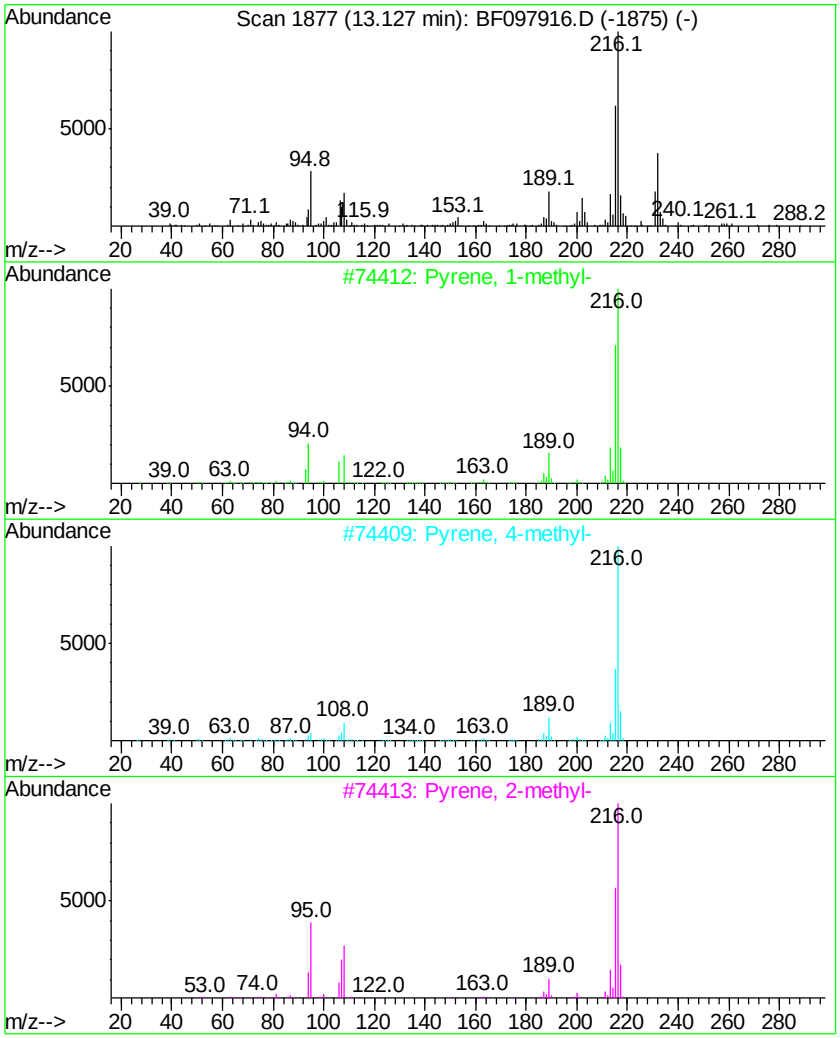
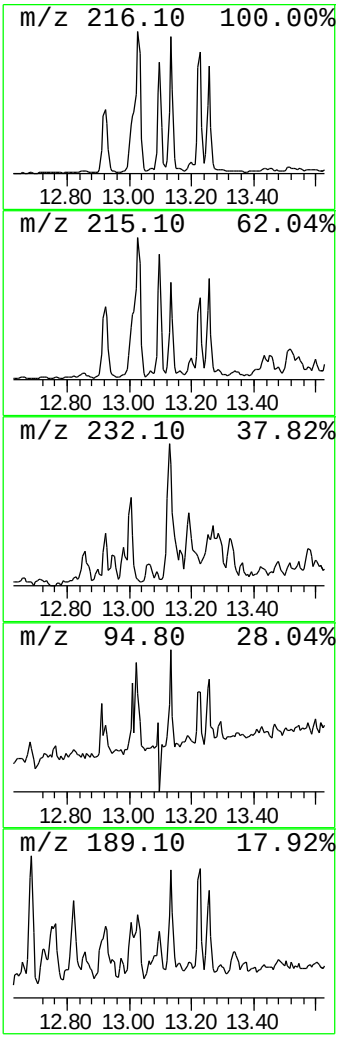
Peak Number 17 Pyrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	3.78 ng	248048	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86





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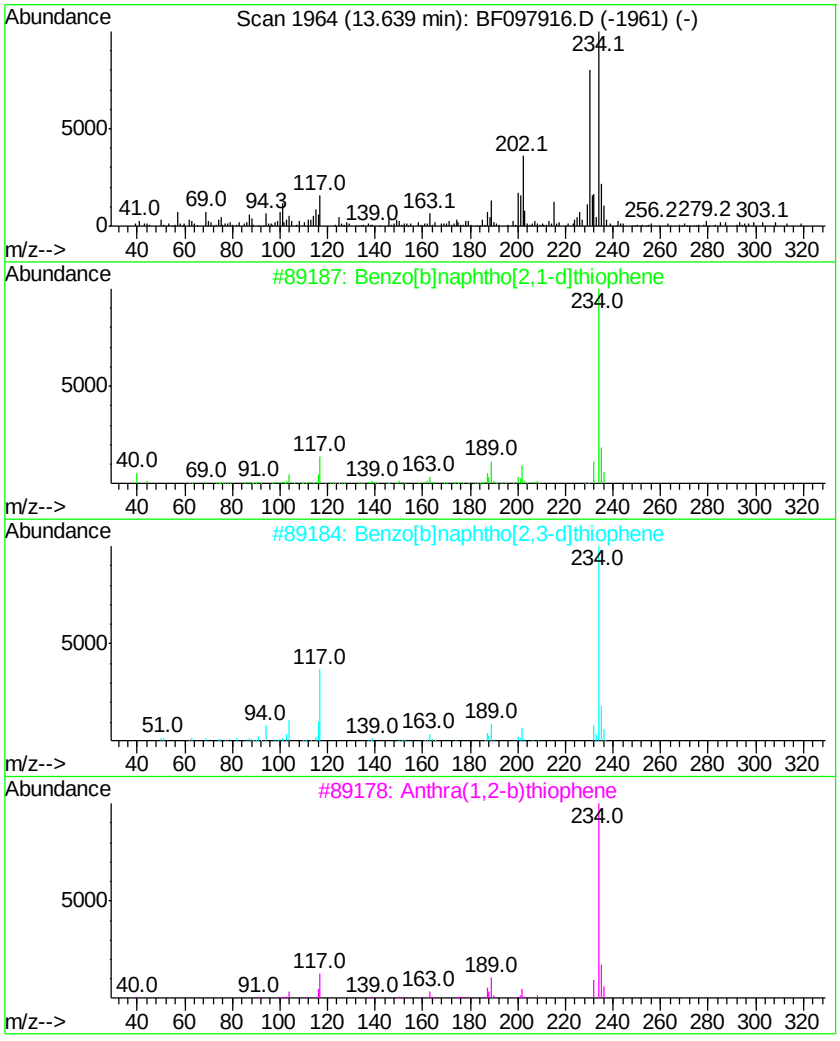
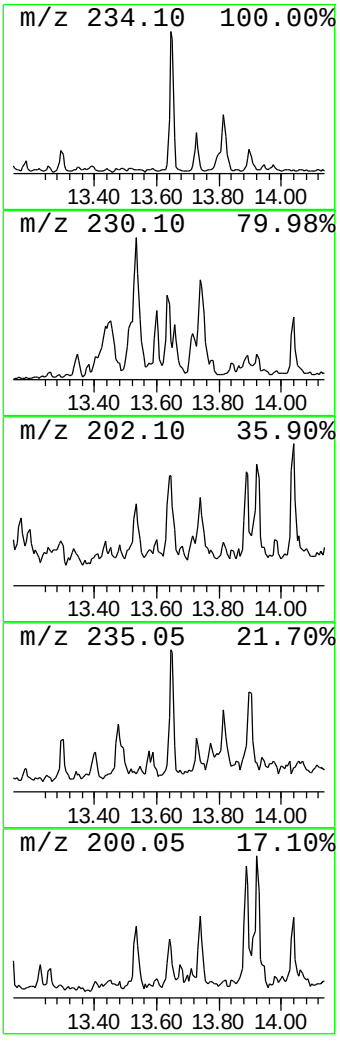
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	3.74 ng	245819	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	74
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	53





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Data File : BF097916.D
Acq On : 21 Aug 2017 20:19
Operator : SJ/JU
Sample : I4875-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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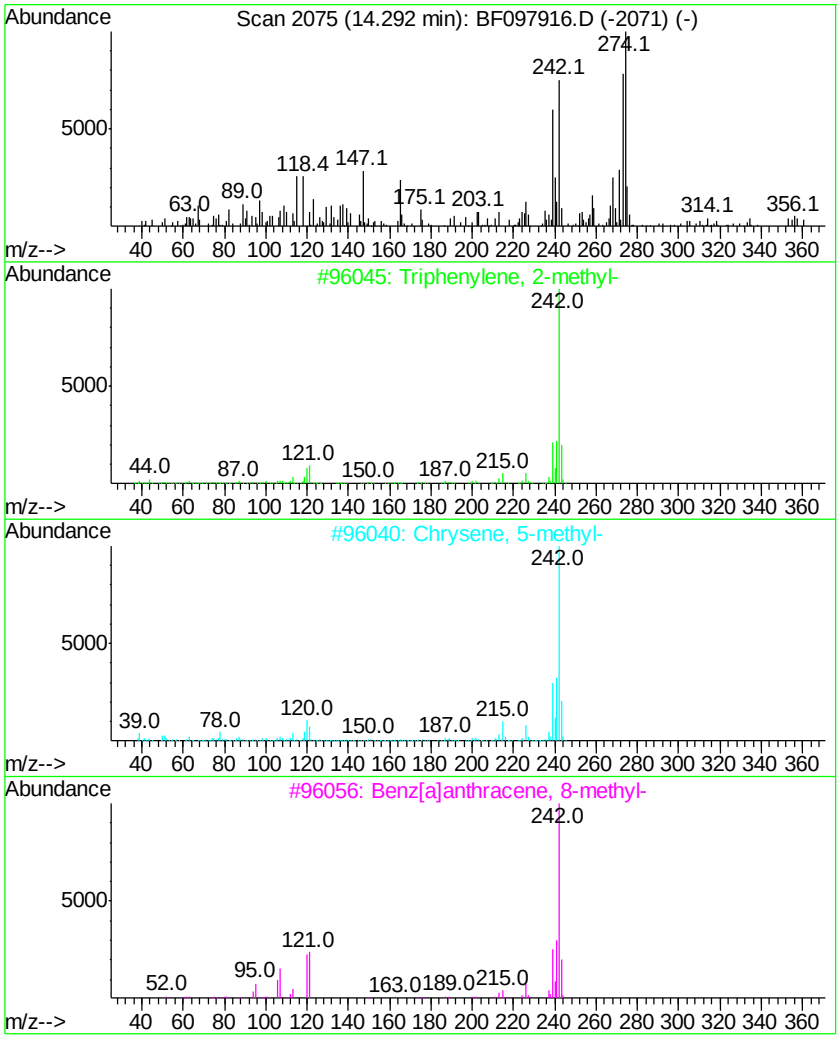
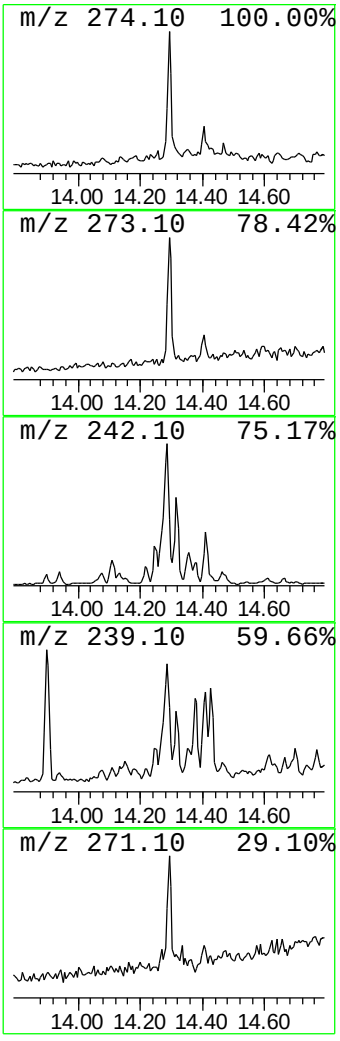
Peak Number 19 Triphenylene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	3.67 ng	240795	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	92
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	86
4	2-Methylchrysene	242	C19H14	003351-32-4	86
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	86





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Data File : BF097916.D
Acq On : 21 Aug 2017 20:19
Operator : SJ/JU
Sample : I4875-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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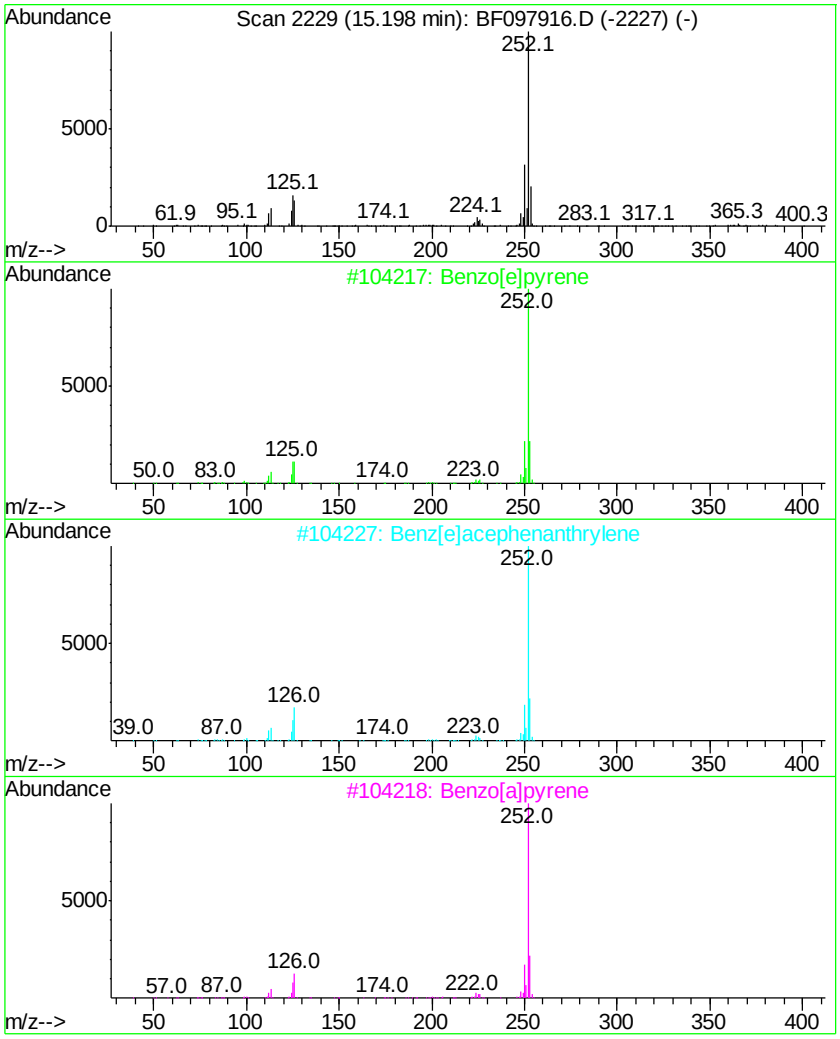
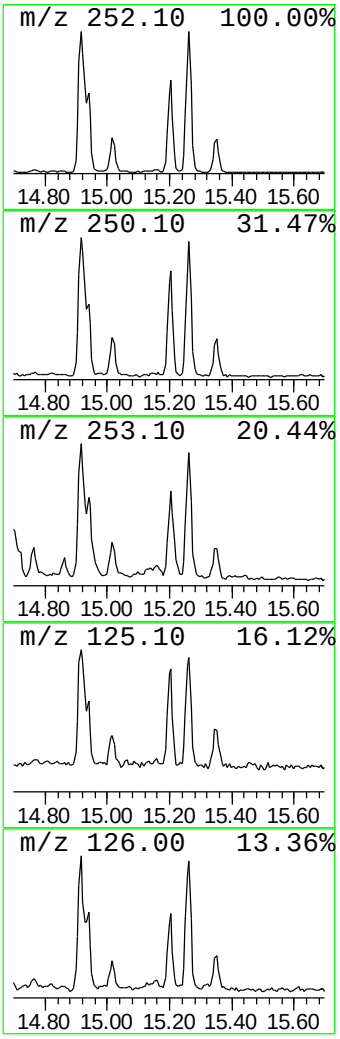
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	17.19 ng	291246	Perylene-d12	15.32

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	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_F\DATA\BF082117\
Data File : BF097916.D
Acq On : 21 Aug 2017 20:19
Operator : SJ/JU
Sample : I4875-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-081717-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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...	4.94	5.9	ng	212496	1	6.75	722654	20.0
unknown6.52	6.52	57.1	ng	2063140	1	6.75	722654	20.0
Dodecane	10.69	3.6	ng	131106	4	11.26	725433	20.0
9H-Fluorene, 1-me...	10.87	3.2	ng	116421	4	11.26	725433	20.0
Naphtho[2,1-b]thi...	11.16	3.8	ng	139054	4	11.26	725433	20.0
Anthracene, 1-met...	11.76	6.7	ng	243388	4	11.26	725433	20.0
Phenanthrene, 2-m...	11.79	7.6	ng	274256	4	11.26	725433	20.0
Benzaldehyde, 3,5...	11.87	13.2	ng	479437	4	11.26	725433	20.0
Anthracene, 9-met...	11.90	3.7	ng	132712	4	11.26	725433	20.0
Naphthalene, 2-ph...	12.06	3.6	ng	129985	4	11.26	725433	20.0
Phenanthrene, 3,6...	12.32	7.5	ng	272138	4	11.26	725433	20.0
unknown12.35	12.35	4.0	ng	144207	4	11.26	725433	20.0
Cyclopenta(def)ph...	12.40	4.8	ng	174972	4	11.26	725433	20.0
Pyrene, 1-methyl-	12.92	3.2	ng	212984	5	13.90	1314020	20.0
11H-Benzo[a]fluorene	13.03	7.0	ng	456677	5	13.90	1314020	20.0
Pyrene, 4-methyl-	13.13	3.8	ng	248048	5	13.90	1314020	20.0
Benzo[b]naphtho[2...	13.64	3.7	ng	245819	5	13.90	1314020	20.0
Triphenylene, 2-m...	14.29	3.7	ng	240795	5	13.90	1314020	20.0
Benzo[e]pyrene	15.20	17.2	ng	291246	6	15.32	338767	20.0