LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
Data File : BF097924.D
Acq On : 22 Aug 2017 00:02
Operator : SJ/JU
Sample : I4875-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

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	3.116	171	175	177	rBV4	14519	23341	1.88%	0.137%
2	3.728	271	279	284	rBV	14450	20894	1.68%	0.123%
3	4.928	480	483	495	rVB	108263	117891	9.50%	0.692%
4	5.351	550	555	558	rBV	1183013	1142087	91.99%	6.700%
5	6.375	725	729	741	rVB	1409877	1241550	100.00%	7.284%
6	6.510	748	752	756	rBV	1284423	1184914	95.44%	6.952%
7	6.745	789	792	796	rBV	846648	717683	57.81%	4.211%
8	6.904	815	819	822	rBV	1048182	891731	71.82%	5.232%
9	7.304	883	887	891	rBV	735394	680972	54.85%	3.995%
10	7.398	899	903	909	rBV	26624	28855	2.32%	0.169%
11	7.934	992	994	1000	rBV	23101	21296	1.72%	0.125%
12	8.034	1006	1011	1013	rBV	992937	884144	71.21%	5.187%
13	8.051	1013	1014	1016	rVB	26921	14319	1.15%	0.084%
14	8.739	1128	1131	1134	rVB	28261	23049	1.86%	0.135%
15	8.839	1145	1148	1151	rVB	29527	24266	1.95%	0.142%
16	9.104	1189	1193	1197	rBV	1397671	1166174	93.93%	6.842%
17	9.192	1204	1208	1212	rBV5	12440	17455	1.41%	0.102%
18	9.369	1234	1238	1241	rVB3	15444	19452	1.57%	0.114%
19	9.439	1247	1250	1253	rBV	31110	28651	2.31%	0.168%
20	9.469	1253	1255	1257	rVV	22851	15662	1.26%	0.092%
21	9.498	1257	1260	1265	rVV	210138	194928	15.70%	1.144%
22	9.557	1268	1270	1276	rVB	17858	18598	1.50%	0.109%
23	9.639	1281	1284	1288	rBV	89327	82392	6.64%	0.483%
24	9.722	1296	1298	1302	rVB	19574	14276	1.15%	0.084%
25	9.781	1302	1308	1312	rBV	922830	818195	65.90%	4.800%
26	9.816	1312	1314	1317	rVB	34942	27870	2.24%	0.164%
27	9.986	1339	1343	1346	rBV	31999	29725	2.39%	0.174%
28	10.098	1358	1362	1364	rBV2	22277	26757	2.16%	0.157%
29	10.192	1373	1378	1379	rBV3	21638	28666	2.31%	0.168%
30	10.222	1381	1383	1388	rVB2	23259	31724	2.56%	0.186%
31	10.298	1394	1396	1398	rVB	20260	14138	1.14%	0.083%
32	10.328	1398	1401	1407	rVB2	58832	64770	5.22%	0.380%
33	10.392	1407	1412	1414	rBV4	17734	19650	1.58%	0.115%
34	10.439	1417	1420	1423	rVV3	21037	21281	1.71%	0.125%

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Sample : I4875-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

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	10.486	1425	1428	1431	rBV3	13417	14714	1.19%	0.086%
36	10.563	1438	1441	1446	rBV	562773	521947	42.04%	3.062%
37	10.692	1460	1463	1469	rVB2	55724	60565	4.88%	0.355%
38	10.875	1490	1494	1497	rBV4	30012	38848	3.13%	0.228%
39	10.904	1497	1499	1502	rVV2	24063	25663	2.07%	0.151%
40	10.957	1505	1508	1511	rVB4	20250	20612	1.66%	0.121%
41	11.028	1517	1520	1525	rVV6	14690	17214	1.39%	0.101%
42	11.069	1525	1527	1532	rVB4	16182	16898	1.36%	0.099%
43	11.139	1537	1539	1541	rVV2	25679	24243	1.95%	0.142%
44	11.157	1541	1542	1549	rVB2	29318	37438	3.02%	0.220%
45	11.263	1556	1560	1562	rBV	816641	684818	55.16%	4.018%
46	11.286	1562	1564	1568	rVB	305217	229540	18.49%	1.347%
47	11.339	1568	1573	1576	rBV	104993	100510	8.10%	0.590%
48	11.375	1576	1579	1582	rBV3	23582	31220	2.51%	0.183%
49	11.492	1597	1599	1602	rBV2	22610	24117	1.94%	0.141%
50	11.563	1609	1611	1613	rBV	22165	17484	1.41%	0.103%
51	11.592	1613	1616	1619	rVB	28692	21882	1.76%	0.128%
52	11.680	1628	1631	1634	rVB2	19560	21772	1.75%	0.128%
53	11.727	1635	1639	1642	rBV5	7052	14591	1.18%	0.086%
54	11.763	1642	1645	1648	rVV	84643	86221	6.94%	0.506%
55	11.792	1648	1650	1653	rVB	106604	81774	6.59%	0.480%
56	11.839	1654	1658	1660	rVV2	53953	52016	4.19%	0.305%
57	11.875	1660	1664	1666	rVV	162774	166503	13.41%	0.977%
58	11.898	1666	1668	1673	rVB	71117	62422	5.03%	0.366%
59	11.969	1674	1680	1682	rBV7	16420	27159	2.19%	0.159%
60	11.998	1682	1685	1687	rVB2	21554	19786	1.59%	0.116%
61	12.057	1693	1695	1697	rBV	44530	37643	3.03%	0.221%
62	12.080	1697	1699	1703	rVB2	26252	27522	2.22%	0.161%
63	12.186	1715	1717	1719	rBV	27596	24676	1.99%	0.145%
64	12.210	1719	1721	1723	rVV	29807	23808	1.92%	0.140%
65	12.239	1723	1726	1728	rVV	36668	29877	2.41%	0.175%
66	12.263	1728	1730	1732	rVB2	33842	28757	2.32%	0.169%
67	12.310	1732	1738	1741	rBV	105093	133980	10.79%	0.786%
68	12.351	1741	1745	1747	rBV2	58102	70706	5.69%	0.415%
69	12.392	1750	1752	1757	rBV3	54544	90433	7.28%	0.531%
70	12.433	1757	1759	1762	rVB3	19614	16968	1.37%	0.100%
71	12.474	1762	1766	1769	rBV	487171	448651	36.14%	2.632%

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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
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72	12.522	1771	1774	1775	rBV2	23922	24801	2.00%	0.146%
73	12.569	1779	1782	1785	rVB2	35266	34764	2.80%	0.204%
74	12.622	1789	1791	1795	rBV3	22445	32022	2.58%	0.188%
75	12.698	1799	1804	1807	rBV	563142	571920	46.06%	3.355%
76	12.816	1822	1824	1826	rBV2	35257	34541	2.78%	0.203%
77	12.845	1826	1829	1836	rVB	917819	863138	69.52%	5.064%
78	12.922	1838	1842	1844	rBV2	60127	74436	6.00%	0.437%
79	12.974	1849	1851	1853	rBV2	27124	27525	2.22%	0.161%
80	13.010	1853	1857	1858	rBV3	53888	65562	5.28%	0.385%
81	13.027	1858	1860	1864	rVB	147564	122283	9.85%	0.717%
82	13.092	1868	1871	1874	rVB	104901	88376	7.12%	0.518%
83	13.133	1874	1878	1881	rBV2	101083	110968	8.94%	0.651%
84	13.221	1891	1893	1896	rVB	95181	72523	5.84%	0.425%
85	13.251	1896	1898	1902	rBV	84805	85516	6.89%	0.502%
86	13.674	1968	1970	1972	rBV	37976	26678	2.15%	0.157%
87	13.892	2003	2007	2010	rBV2	716637	909051	73.22%	5.333%
88	13.921	2010	2012	2014	rVB	216504	165749	13.35%	0.972%
89	14.910	2177	2180	2183	rBV	149931	216368	17.43%	1.269%
90	15.257	2236	2239	2242	rBV	154511	170969	13.77%	1.003%
91	15.315	2246	2249	2253	rBV	285363	337518	27.19%	1.980%

Sum of corrected areas: 17045042

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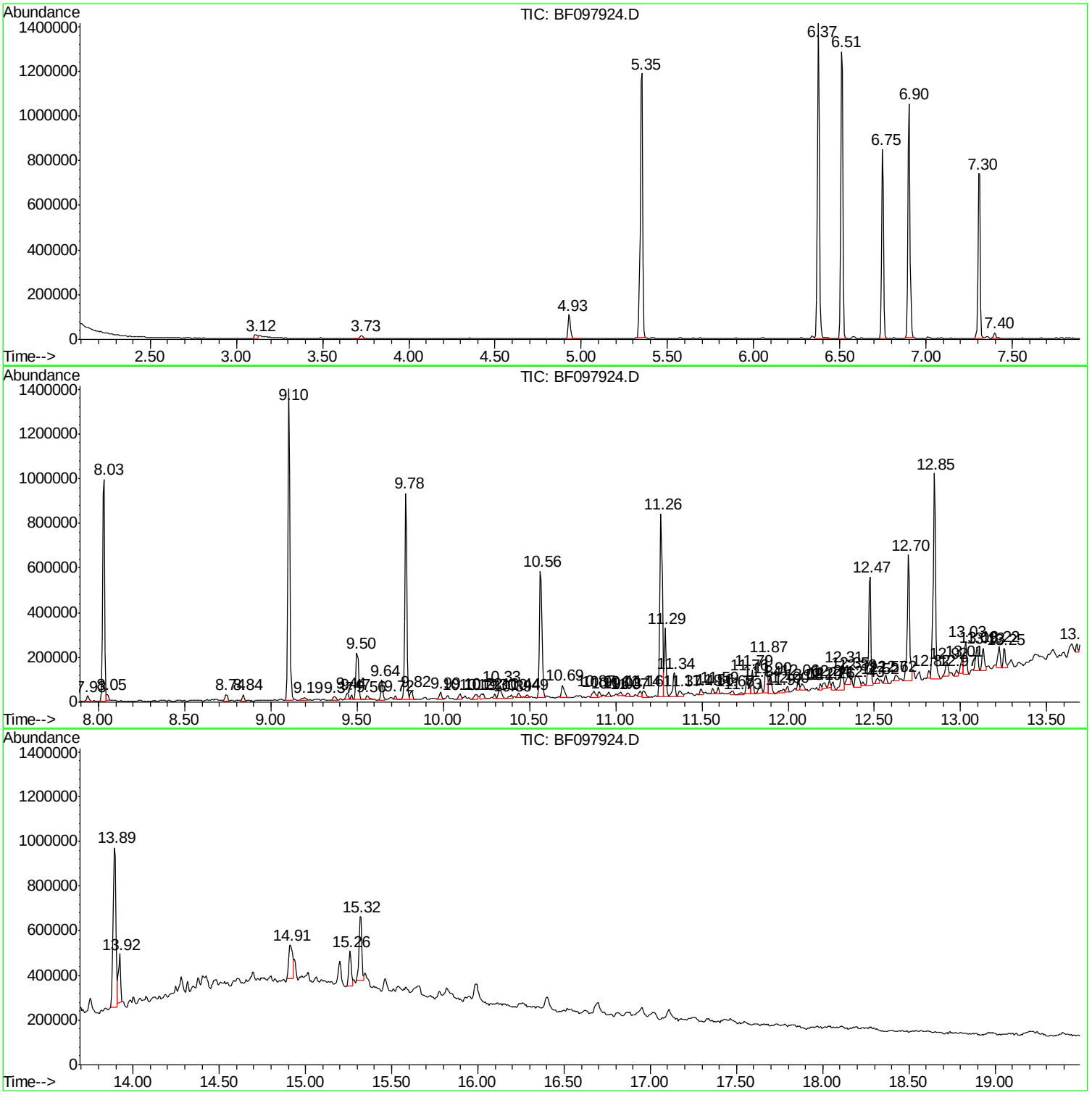
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

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



Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
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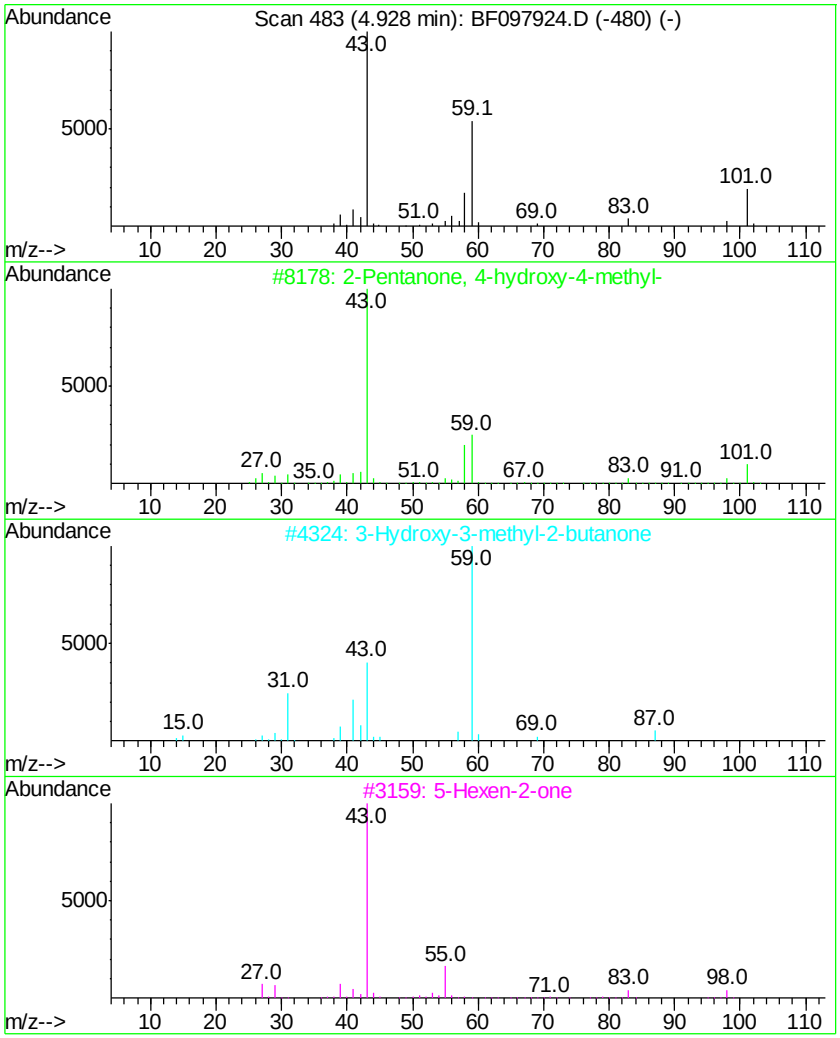
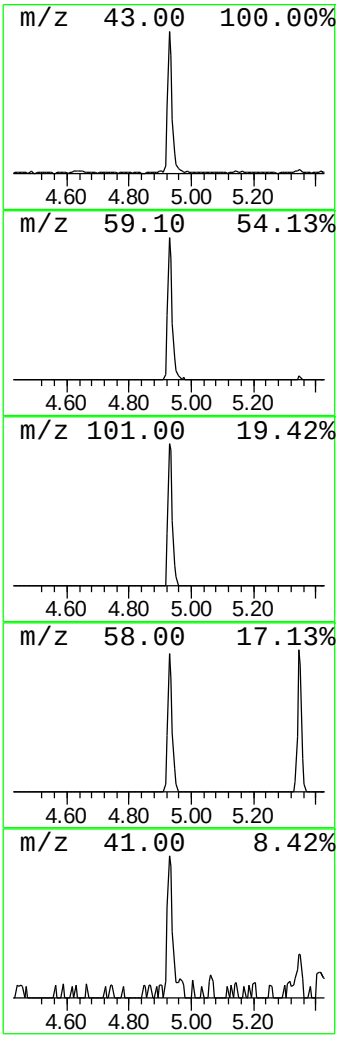
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	3.29 ng	117891	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	50
2	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





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Sample : I4875-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

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

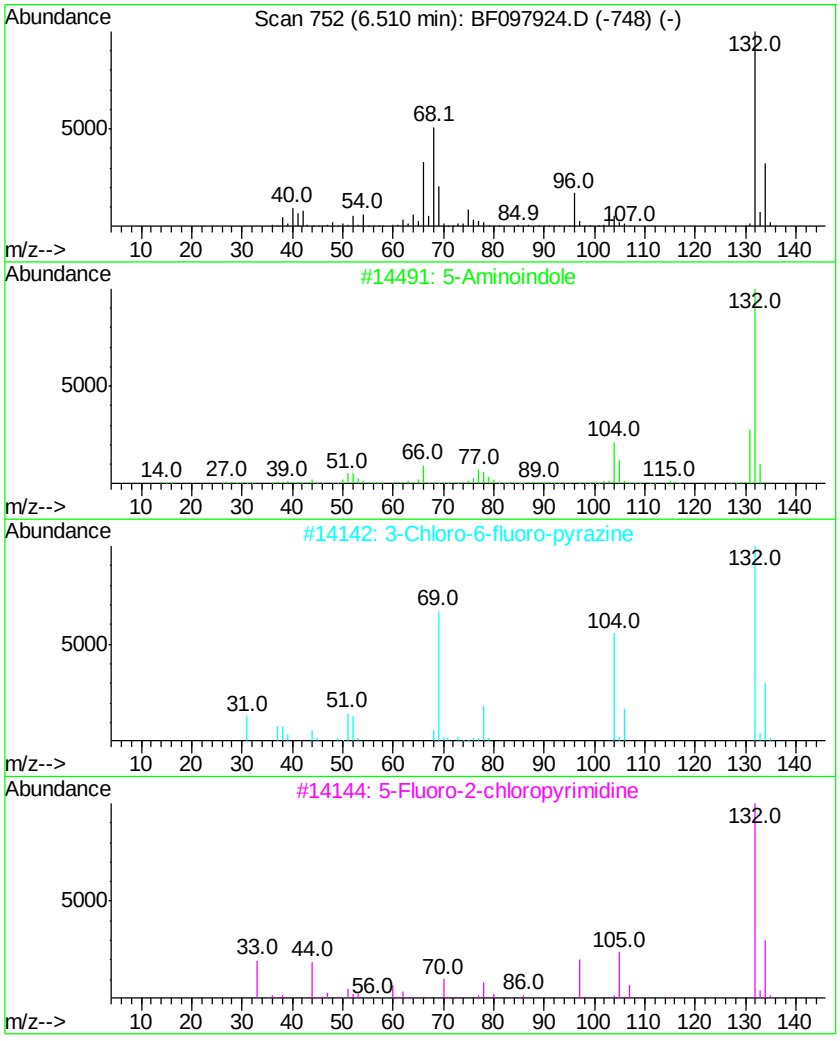
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

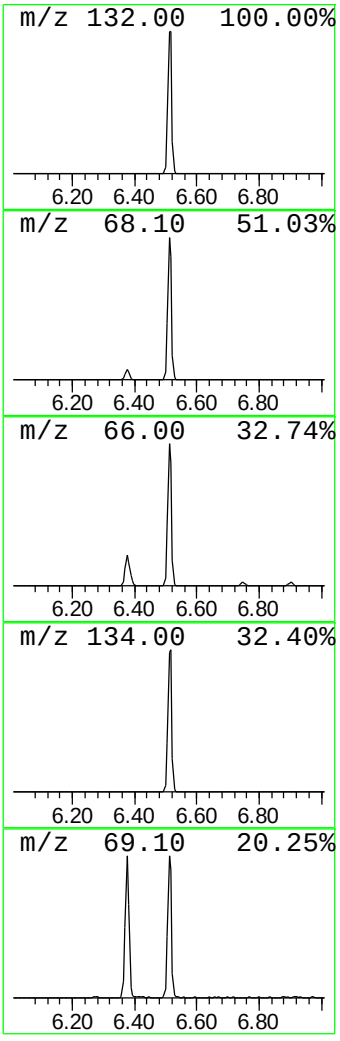
****

Peak Number 2 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	33.02 ng	1184910	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	22
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	10
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10





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

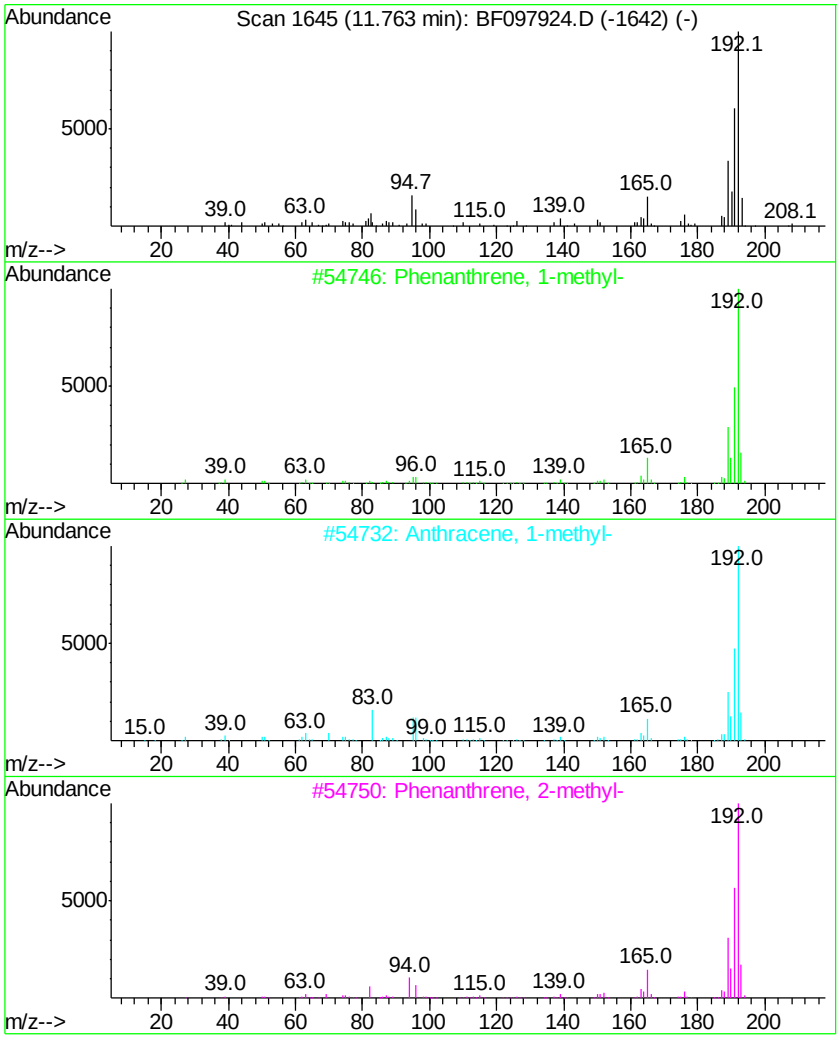
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

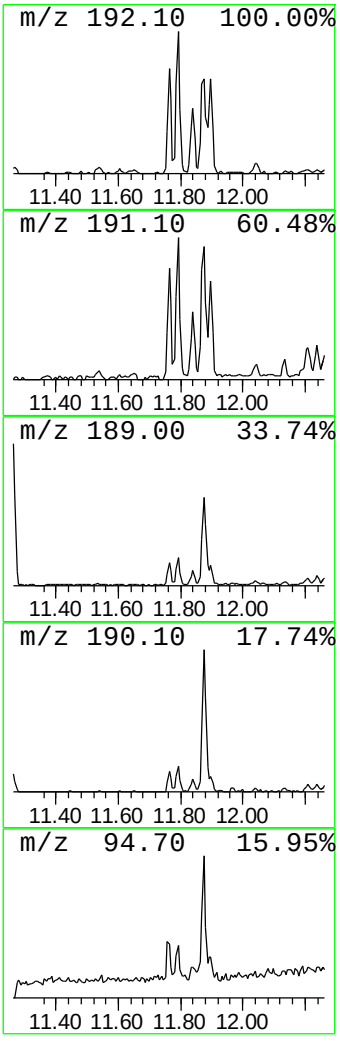
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	2.52 ng	86221	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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ALS Vial : 17 Sample Multiplier: 1

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

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

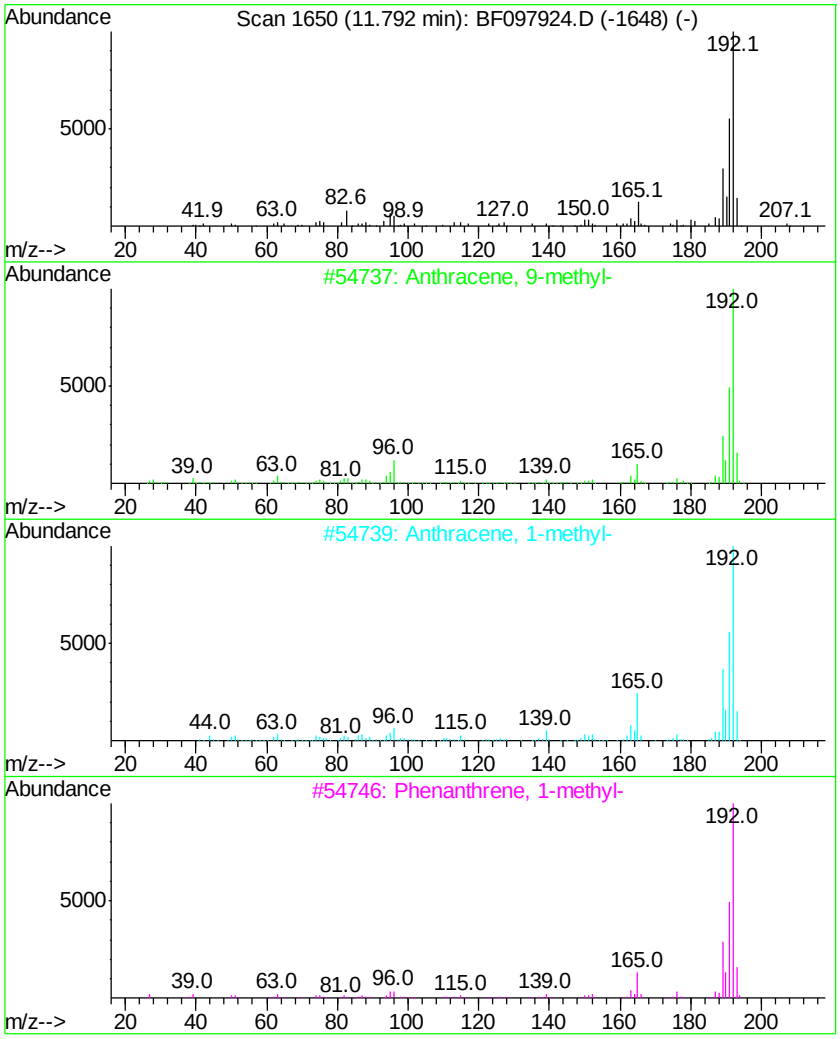
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

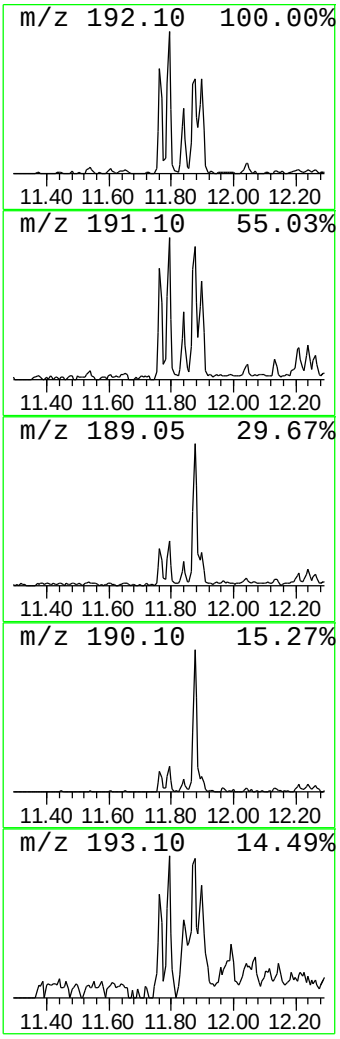
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	2.39 ng	81774	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Library Search Compound Report

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Acq On : 22 Aug 2017 00:02
Operator : SJ/JU
Sample : I4875-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

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

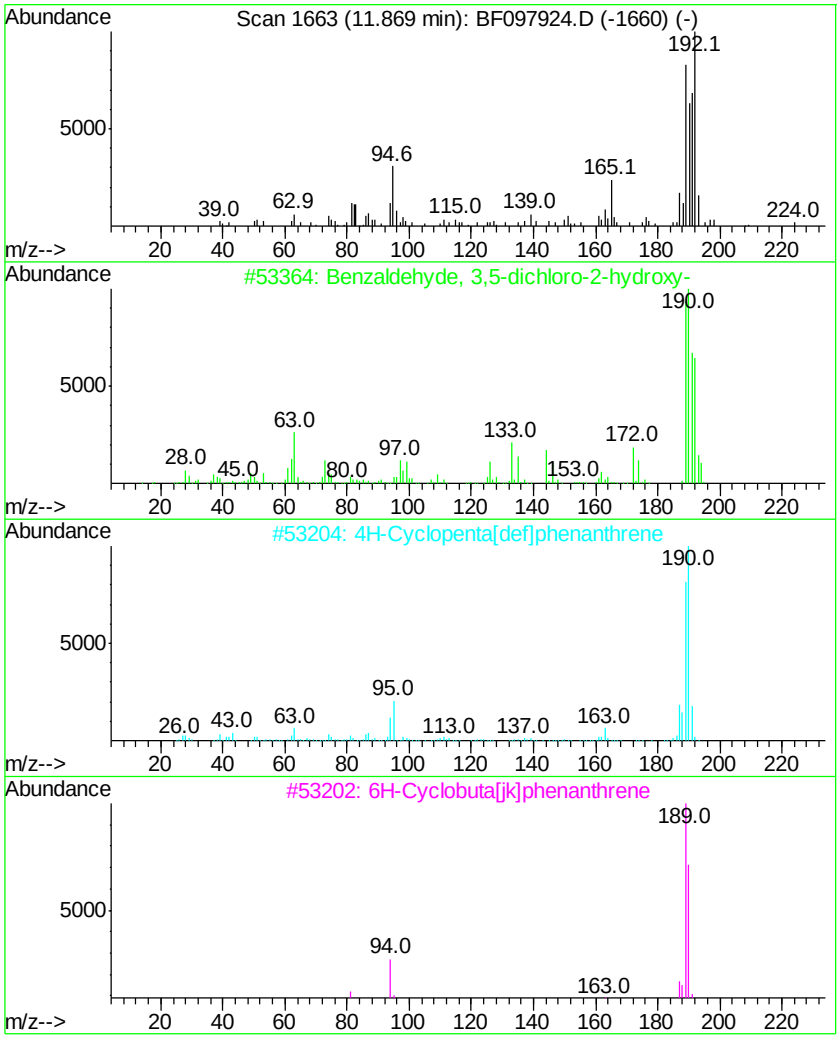
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

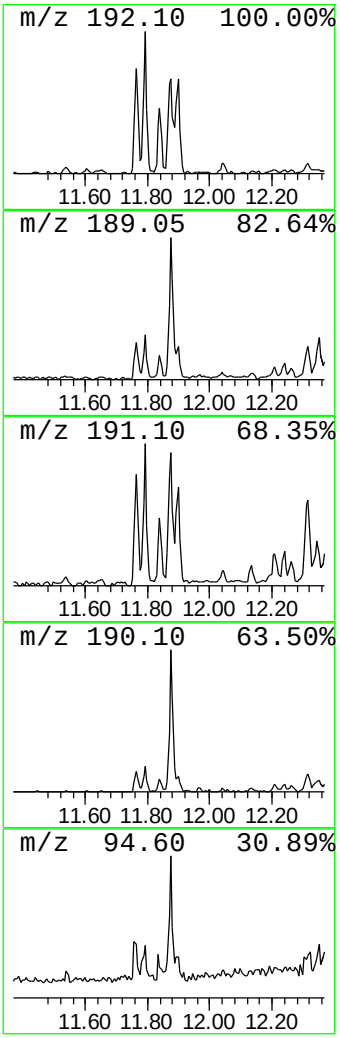
****

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	4.86 ng	166503	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	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





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Sample : I4875-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

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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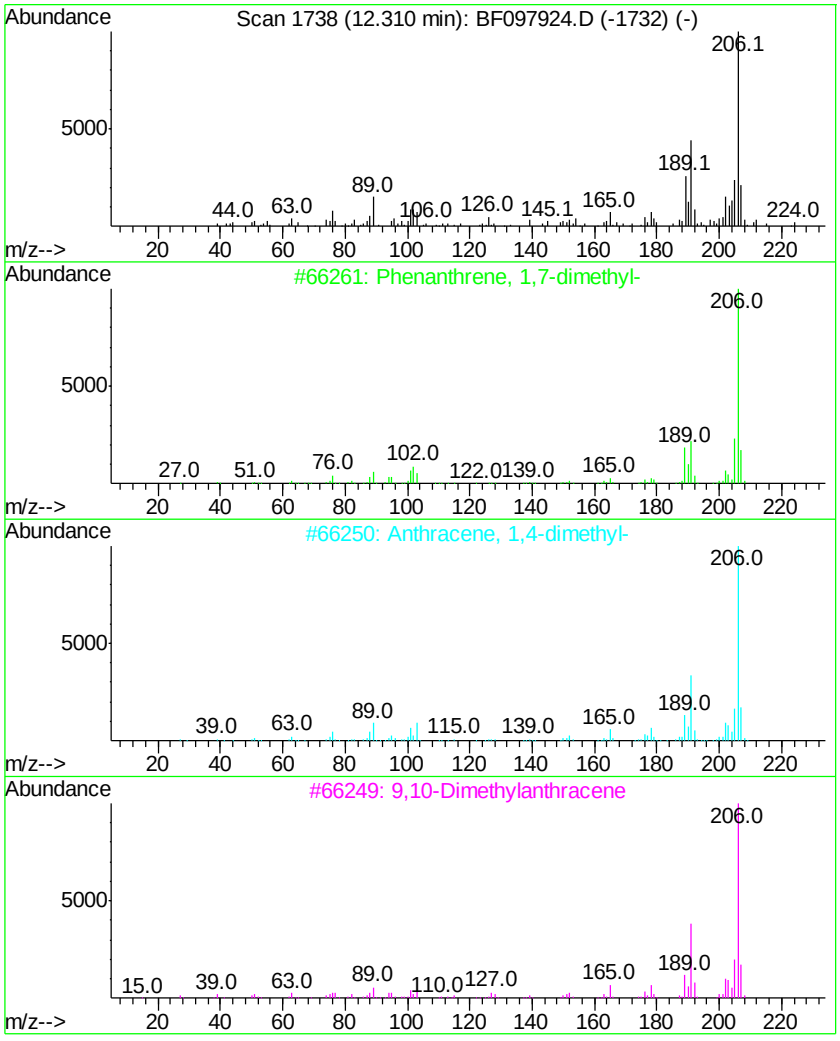
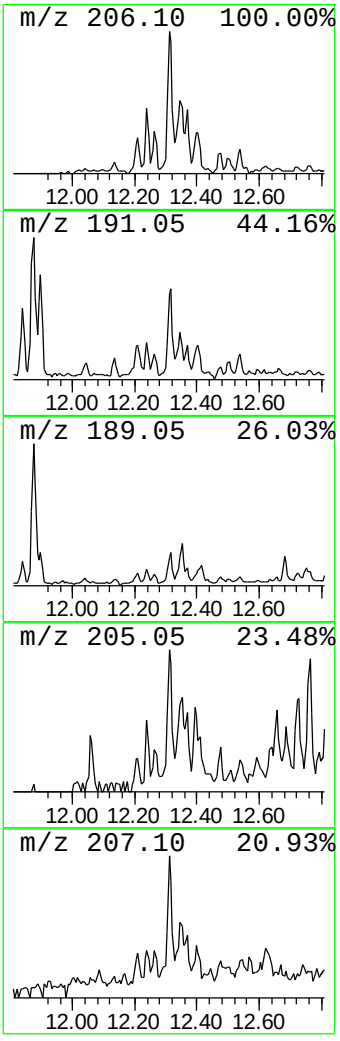
Peak Number 8 Phenanthrene, 1,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	3.91 ng	133980	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	92





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Data File : BF097924.D
Acq On : 22 Aug 2017 00:02
Operator : SJ/JU
Sample : I4875-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

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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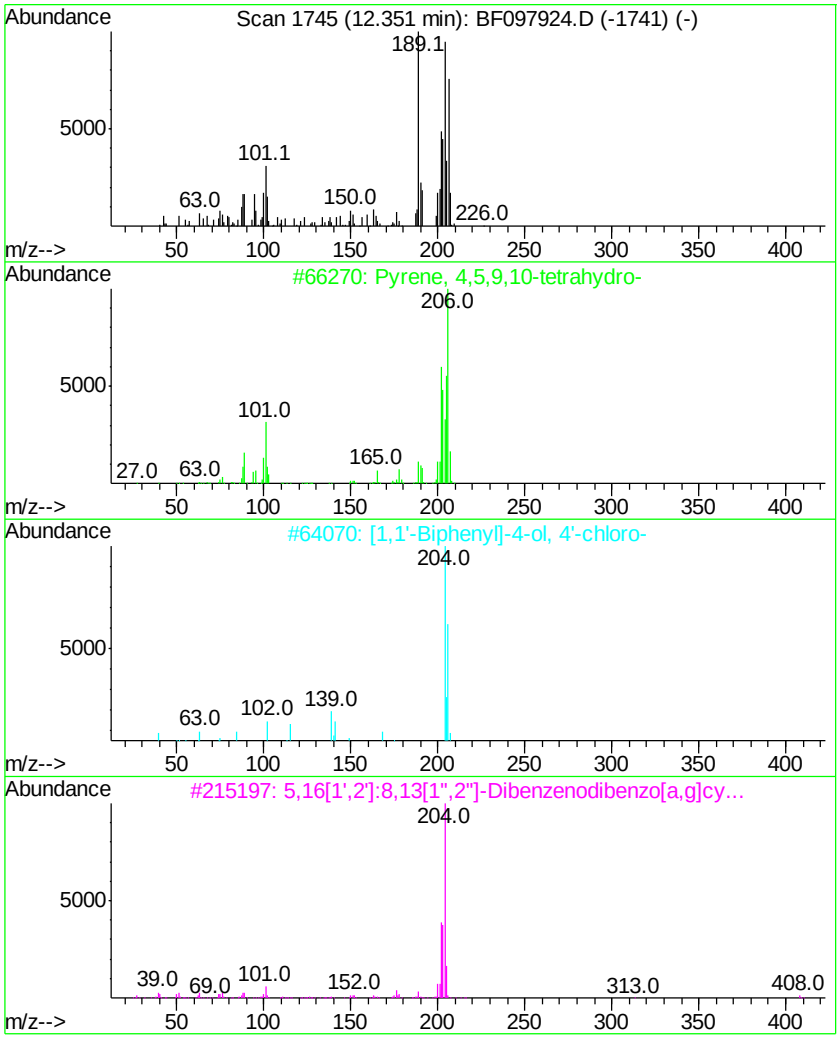
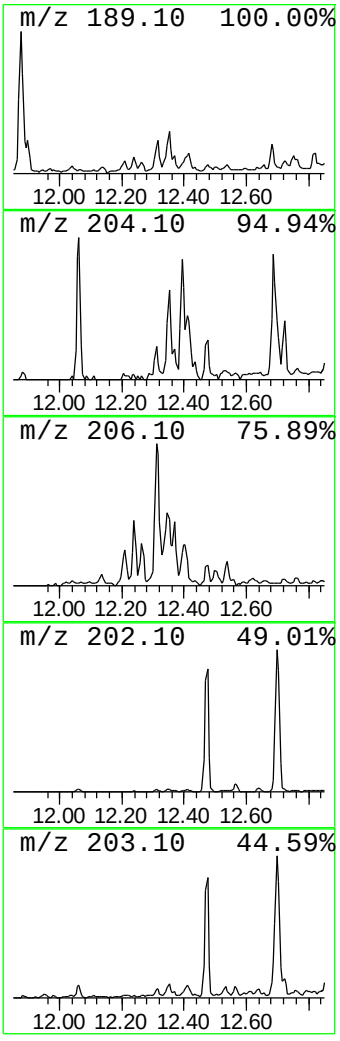
Peak Number 9 unknown12.35 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	2.06 ng	70706	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	35
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
5	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	27





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Operator : SJ/JU
Sample : I4875-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
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TIC Integration Parameters: LSCINT.P

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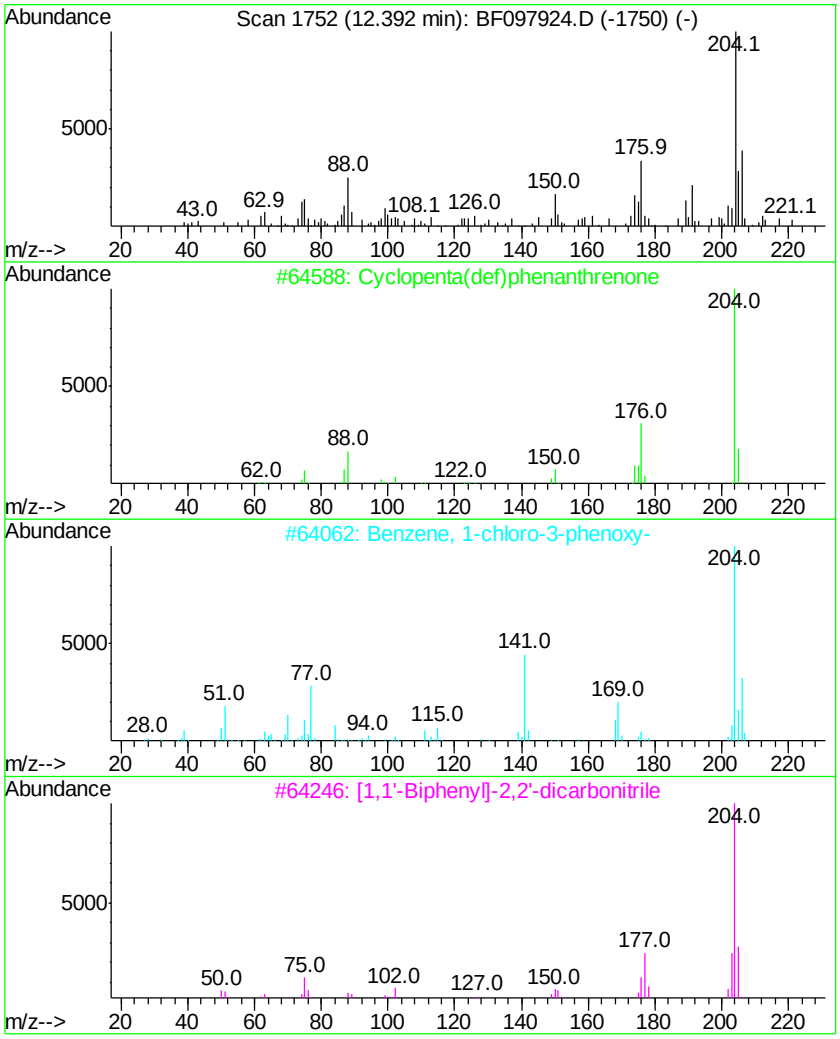
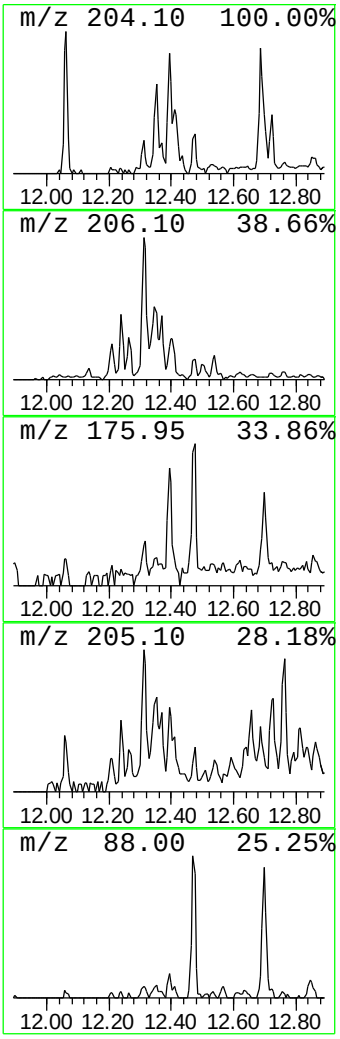
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.64 ng	90433	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	49
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
4	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	46
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	46





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
Data File : BF097924.D
Acq On : 22 Aug 2017 00:02
Operator : SJ/JU
Sample : I4875-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

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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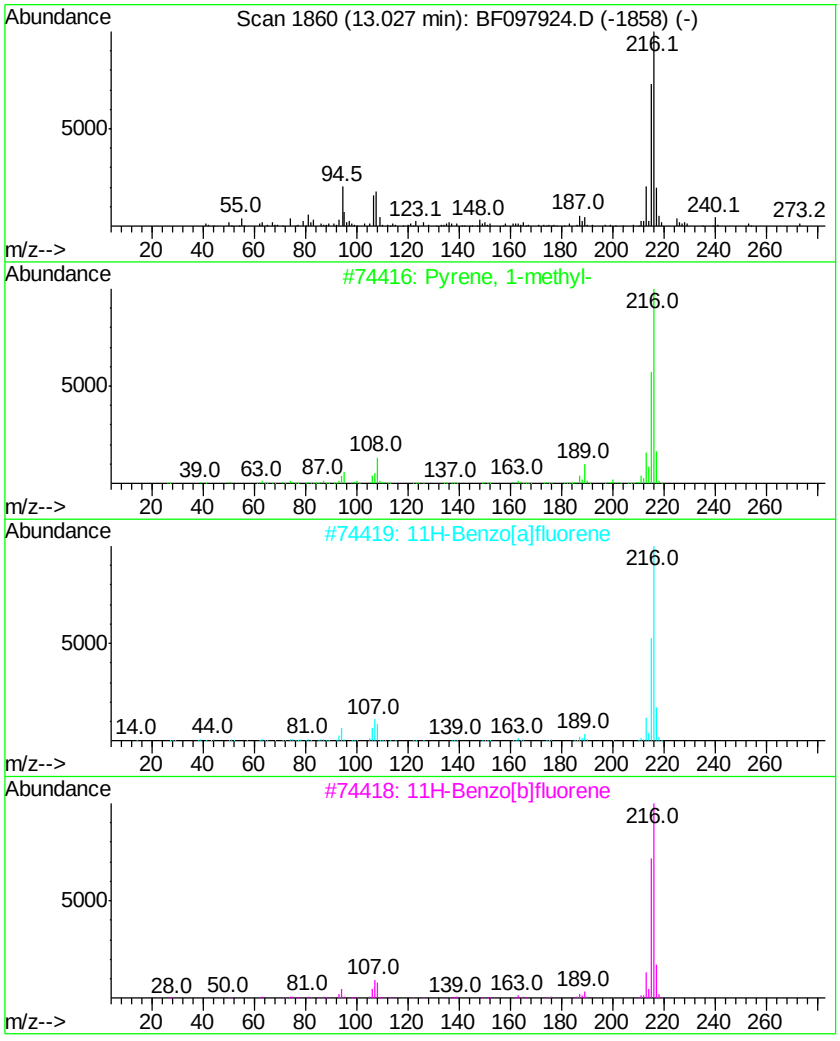
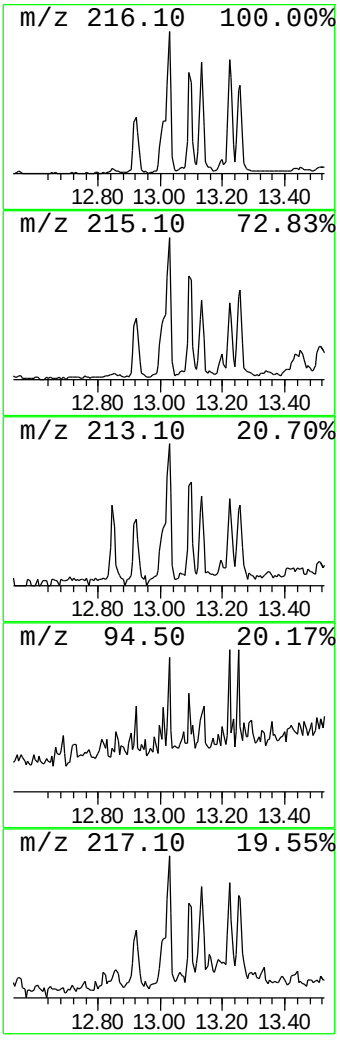
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.69 ng	122283	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Data File : BF097924.D
Acq On : 22 Aug 2017 00:02
Operator : SJ/JU
Sample : I4875-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

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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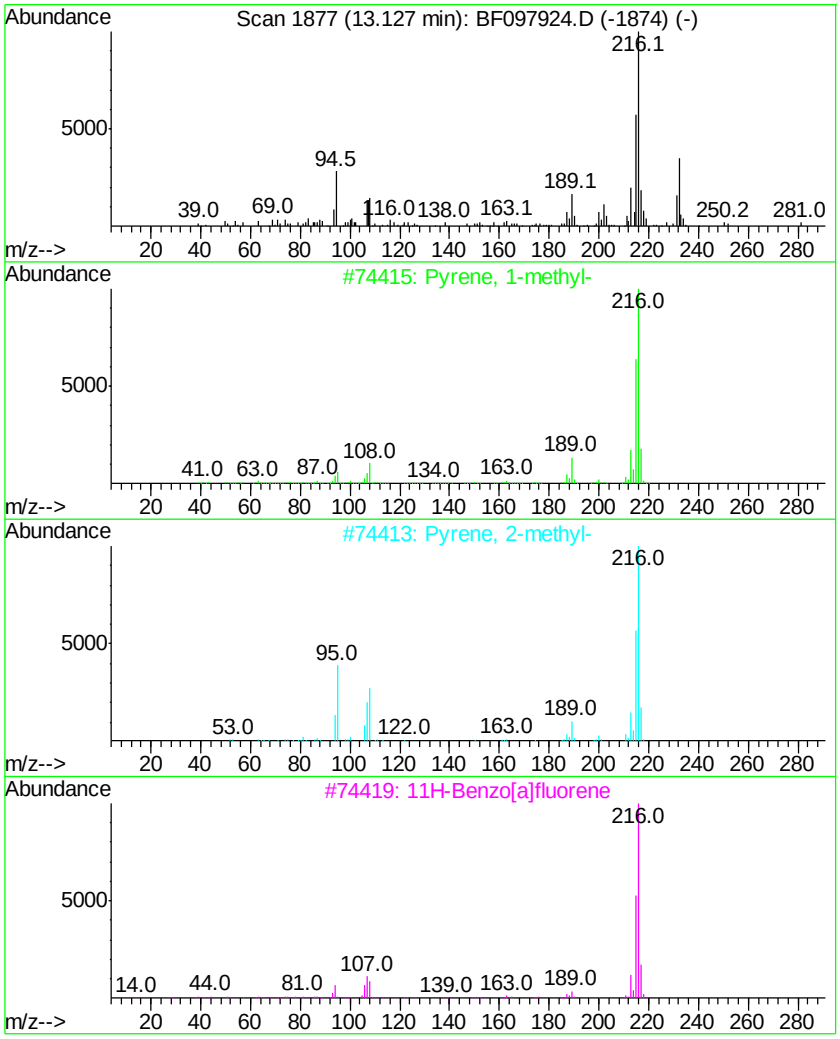
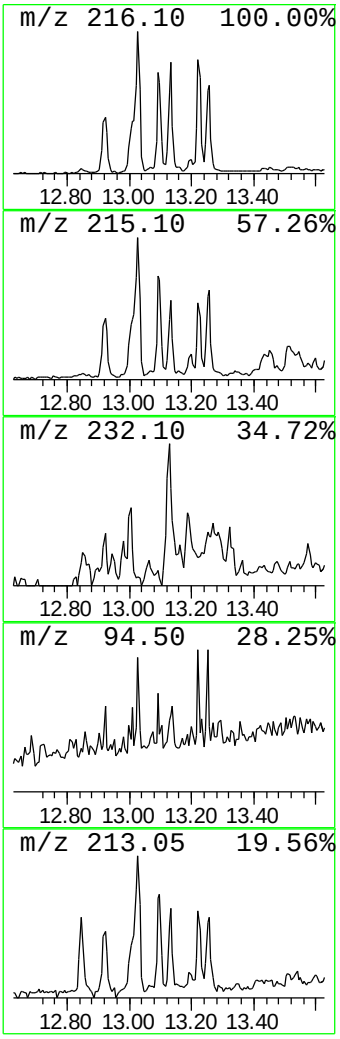
Peak Number 12 Pyrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	2.44 ng	110968	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	62





Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_F\DATA\BF082117\
Data File : BF097924.D
Acq On : 22 Aug 2017 00:02
Operator : SJ/JU
Sample : I4875-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

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...	4.93	3.3	ng	117891	1	6.75	717683	20.0
unknown6.51	6.51	33.0	ng	1184910	1	6.75	717683	20.0
Phenanthrene, 1-m...	11.76	2.5	ng	86221	4	11.26	684818	20.0
Anthracene, 9-met...	11.79	2.4	ng	81774	4	11.26	684818	20.0
Benzaldehyde, 3,5...	11.87	4.9	ng	166503	4	11.26	684818	20.0
Phenanthrene, 1,7...	12.31	3.9	ng	133980	4	11.26	684818	20.0
unknown12.35	12.35	2.1	ng	70706	4	11.26	684818	20.0
Cyclopenta(def)ph...	12.39	2.6	ng	90433	4	11.26	684818	20.0
Pyrene, 1-methyl-	13.03	2.7	ng	122283	5	13.90	909051	20.0
Pyrene, 2-methyl-	13.13	2.4	ng	110968	5	13.90	909051	20.0