LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
Data File : BF094696.D
Acq On : 28 Apr 2017 20:58
Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE-9-COMP

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-BF041717.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	3.502	259	266	271	rBV	66992	74666	3.10%	0.280%
2	3.931	335	339	349	rBV	328816	398785	16.58%	1.495%
3	4.331	403	407	421	rBV	2109453	2266462	94.23%	8.500%
4	4.707	469	471	478	rVB	23664	26275	1.09%	0.099%
5	5.401	584	589	605	rBV	2082227	2306290	95.88%	8.649%
6	5.525	605	610	613	rBV	2538680	2353109	97.83%	8.824%
7	5.766	648	651	656	rBV	659316	630033	26.19%	2.363%
8	5.948	677	682	685	rBV	1968055	1842861	76.62%	6.911%
9	6.419	757	762	765	rBV	1473731	1374812	57.16%	5.156%
10	7.260	901	905	908	rBV	928838	804577	33.45%	3.017%
11	7.284	908	909	913	rVB	47356	34739	1.44%	0.130%
12	8.584	1125	1130	1133	rBV	2615935	2405336	100.00%	9.020%
13	9.084	1212	1215	1219	rBV	98470	86873	3.61%	0.326%
14	9.395	1257	1268	1272	rBV2	793219	833379	34.65%	3.125%
15	9.431	1272	1274	1278	rVB	68319	67474	2.81%	0.253%
16	9.654	1307	1312	1316	rBV2	33365	41829	1.74%	0.157%
17	9.989	1366	1369	1374	rBV	56422	51814	2.15%	0.194%
18	10.072	1379	1383	1387	rVB	65280	59609	2.48%	0.224%
19	10.266	1412	1416	1424	rVB2	28518	44257	1.84%	0.166%
20	10.372	1430	1434	1440	rBV	1149309	1159550	48.21%	4.348%
21	10.572	1465	1468	1471	rBV	60015	69974	2.91%	0.262%
22	10.748	1492	1498	1501	rBV6	19440	30822	1.28%	0.116%
23	10.989	1533	1539	1544	rVB	33637	43135	1.79%	0.162%
24	11.089	1553	1556	1559	rVV	31143	27548	1.15%	0.103%
25	11.130	1559	1563	1566	rVB	46811	45113	1.88%	0.169%
26	11.219	1574	1578	1580	rBV	675079	645645	26.84%	2.421%
27	11.248	1580	1583	1587	rVV	743367	703365	29.24%	2.638%
28	11.313	1588	1594	1597	rVB	72628	87124	3.62%	0.327%
29	11.525	1626	1630	1633	rBV	40269	44721	1.86%	0.168%
30	11.654	1649	1652	1659	rVB4	23273	34209	1.42%	0.128%
31	11.719	1659	1663	1670	rVB4	13939	25895	1.08%	0.097%
32	11.842	1680	1684	1687	rBV	143994	136222	5.66%	0.511%
33	11.877	1687	1690	1695	rVB	165926	160545	6.67%	0.602%
34	11.954	1697	1703	1704	rBV2	64811	96630	4.02%	0.362%

LSC Area Percent Report

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Acq On : 28 Apr 2017 20:58
Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE-9-COMP

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-BF041717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.972	1704	1706	1709	rVV	177145	183834	7.64%	0.689%
36	12.001	1709	1711	1717	rVB	97704	107412	4.47%	0.403%
37	12.213	1743	1747	1749	rBV	73145	71233	2.96%	0.267%
38	12.242	1749	1752	1756	rVB	83270	84846	3.53%	0.318%
39	12.395	1775	1778	1782	rBV	30613	39628	1.65%	0.149%
40	12.436	1782	1785	1788	rBV	33393	29710	1.24%	0.111%
41	12.524	1795	1800	1803	rBV	76522	90413	3.76%	0.339%
42	12.566	1803	1807	1810	rVV2	45446	56906	2.37%	0.213%
43	12.624	1814	1817	1825	rVB4	55336	92071	3.83%	0.345%
44	12.713	1827	1832	1835	rBV	592865	641574	26.67%	2.406%
45	12.789	1842	1845	1848	rBV3	30290	40956	1.70%	0.154%
46	12.889	1859	1862	1865	rVB2	46399	43088	1.79%	0.162%
47	12.983	1873	1878	1882	rVB	656969	716109	29.77%	2.686%
48	13.083	1893	1895	1901	rVB5	20033	27999	1.16%	0.105%
49	13.148	1903	1906	1909	rBV	26531	26264	1.09%	0.098%
50	13.195	1909	1914	1918	rBV	1592310	1670771	69.46%	6.266%
51	13.266	1923	1926	1931	rVB3	41731	64497	2.68%	0.242%
52	13.371	1939	1944	1945	rBV4	44609	51132	2.13%	0.192%
53	13.401	1946	1949	1955	rVB	87564	106930	4.45%	0.401%
54	13.483	1960	1963	1966	rBV	45312	44481	1.85%	0.167%
55	13.524	1967	1970	1974	rBV2	78906	90691	3.77%	0.340%
56	13.636	1986	1989	1992	rBV	48479	47438	1.97%	0.178%
57	13.677	1992	1996	2000	rBV	43887	51660	2.15%	0.194%
58	14.030	2053	2056	2062	rVB	56542	70308	2.92%	0.264%
59	14.160	2074	2078	2081	rBV	58827	66699	2.77%	0.250%
60	14.195	2081	2084	2086	rVB	44005	39009	1.62%	0.146%
61	14.248	2091	2093	2097	rVB3	24536	27924	1.16%	0.105%
62	14.289	2097	2100	2105	rVB	53496	55404	2.30%	0.208%
63	14.360	2108	2112	2117	rBV3	74184	113914	4.74%	0.427%
64	14.471	2125	2131	2134	rBV2	600528	876030	36.42%	3.285%
65	14.501	2134	2136	2139	rVB	259612	229754	9.55%	0.862%
66	14.595	2149	2152	2156	rVB	39764	40760	1.69%	0.153%
67	14.766	2178	2181	2187	rVB3	31565	36245	1.51%	0.136%
68	14.954	2208	2213	2217	rBV	56215	81913	3.41%	0.307%
69	14.995	2217	2220	2225	rVB2	31551	42592	1.77%	0.160%
70	15.066	2230	2232	2235	rVB2	39438	34616	1.44%	0.130%
71	15.107	2235	2239	2241	rBV4	34219	45575	1.89%	0.171%

LSC Area Percent Report

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Operator : SJ/MA
Sample : I2873-02
Misc :
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Instrument : BNA_F
ClientSampleId : MANHOLE-9-COMP

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-BF041717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.577	2316	2319	2324	rBV	106992	108711	4.52%	0.408%
73	15.701	2335	2340	2343	rBV	225490	338527	14.07%	1.270%
74	15.807	2356	2358	2362	rVB	36194	37153	1.54%	0.139%
75	15.989	2385	2389	2395	rBV	128705	163335	6.79%	0.613%
76	16.042	2395	2398	2403	rBV	184290	185365	7.71%	0.695%
77	16.101	2404	2408	2411	rBV	405806	450901	18.75%	1.691%
78	17.383	2622	2626	2635	rVB3	70961	138815	5.77%	0.521%
79	17.759	2686	2690	2698	rVB2	48748	88835	3.69%	0.333%

Sum of corrected areas: 26665706

LSC Report - Integrated Chromatogram

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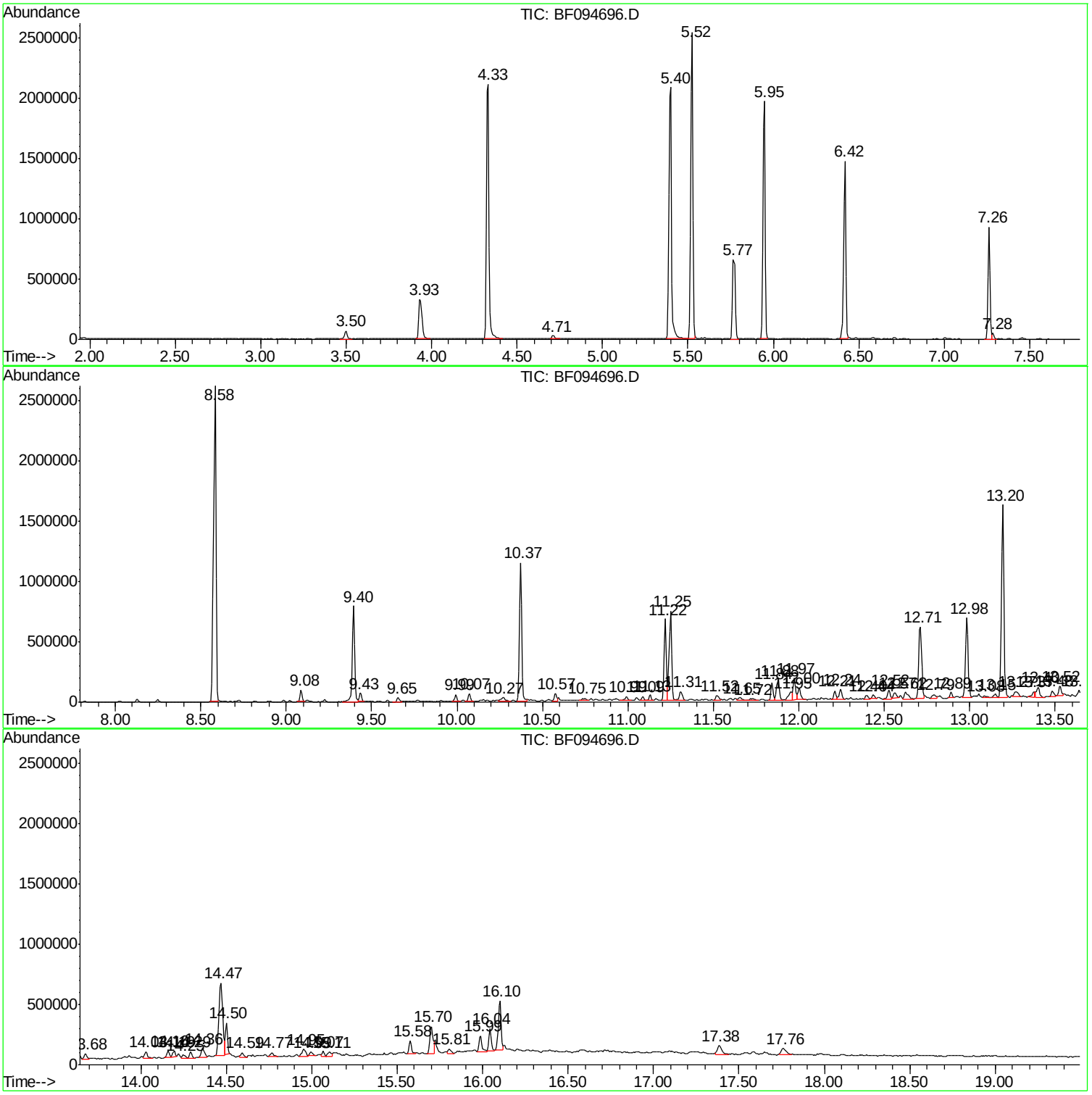
Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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Data File : BF094696.D
Acq On : 28 Apr 2017 20:58
Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

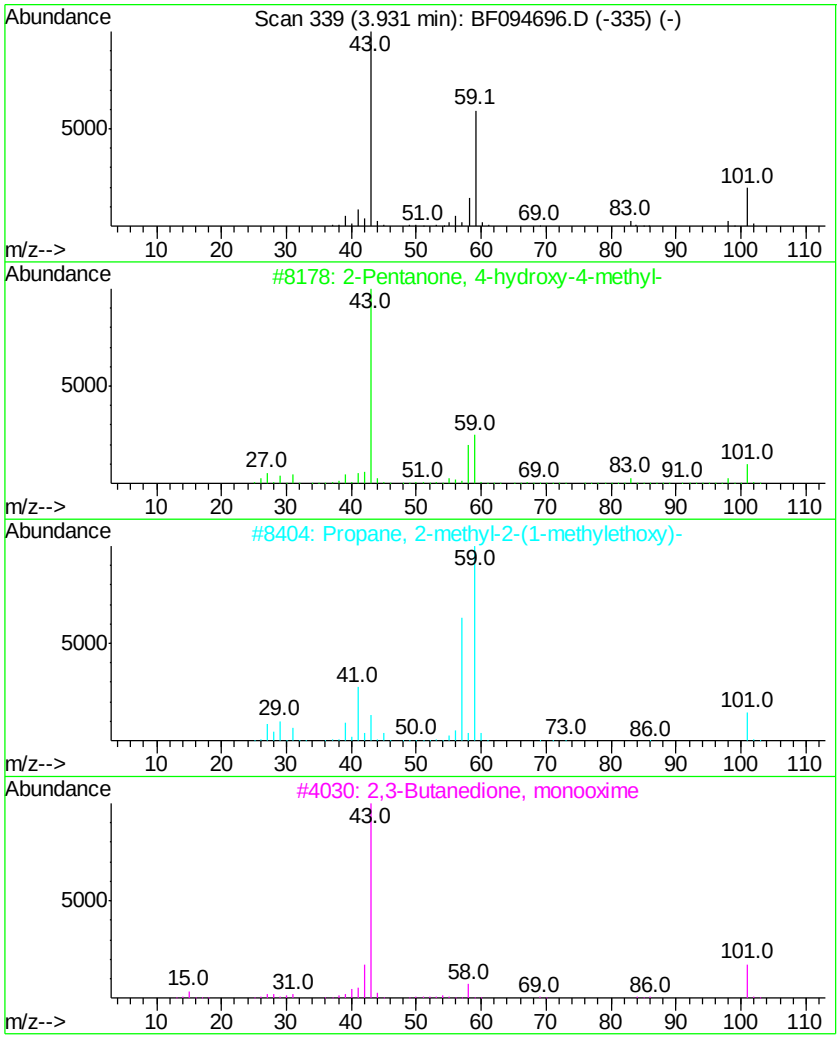
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

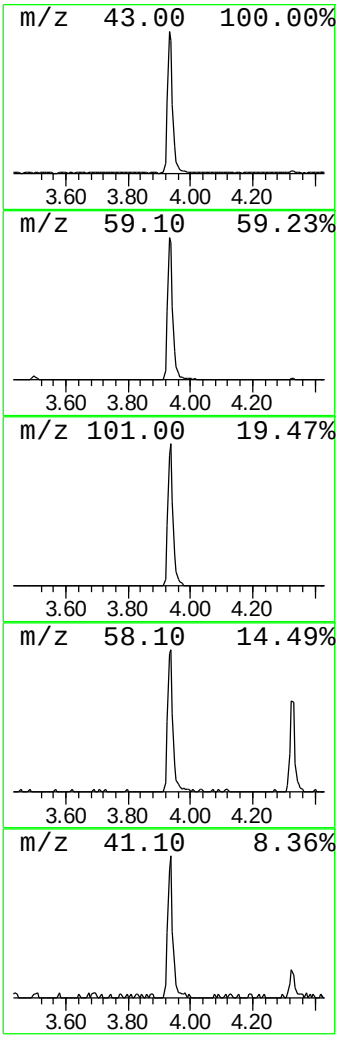
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	12.66 ng	398785	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
Data File : BF094696.D
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Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

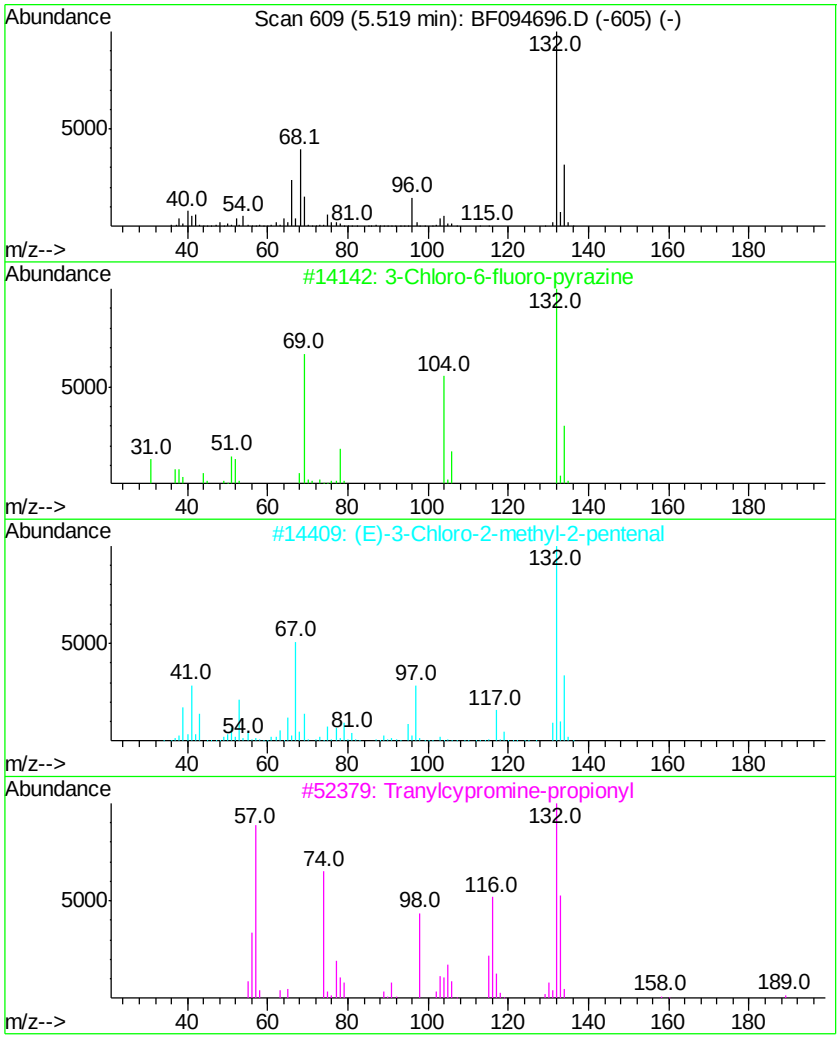
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

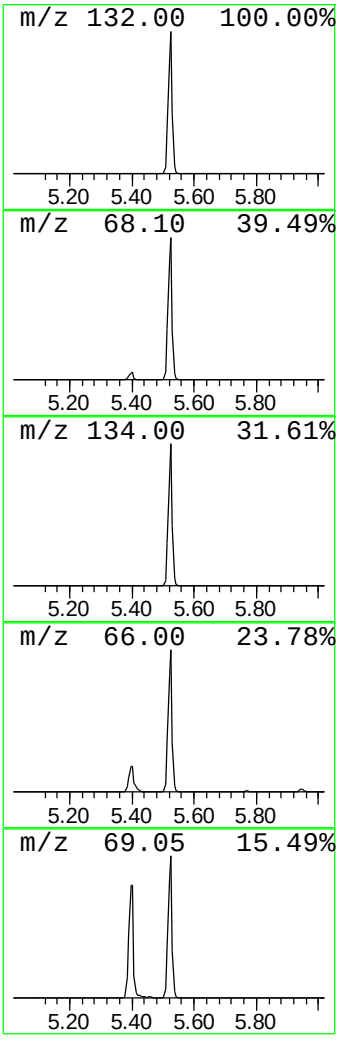
****

Peak Number 3 unknown5.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	74.70 ng	2353110	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
Data File : BF094696.D
Acq On : 28 Apr 2017 20:58
Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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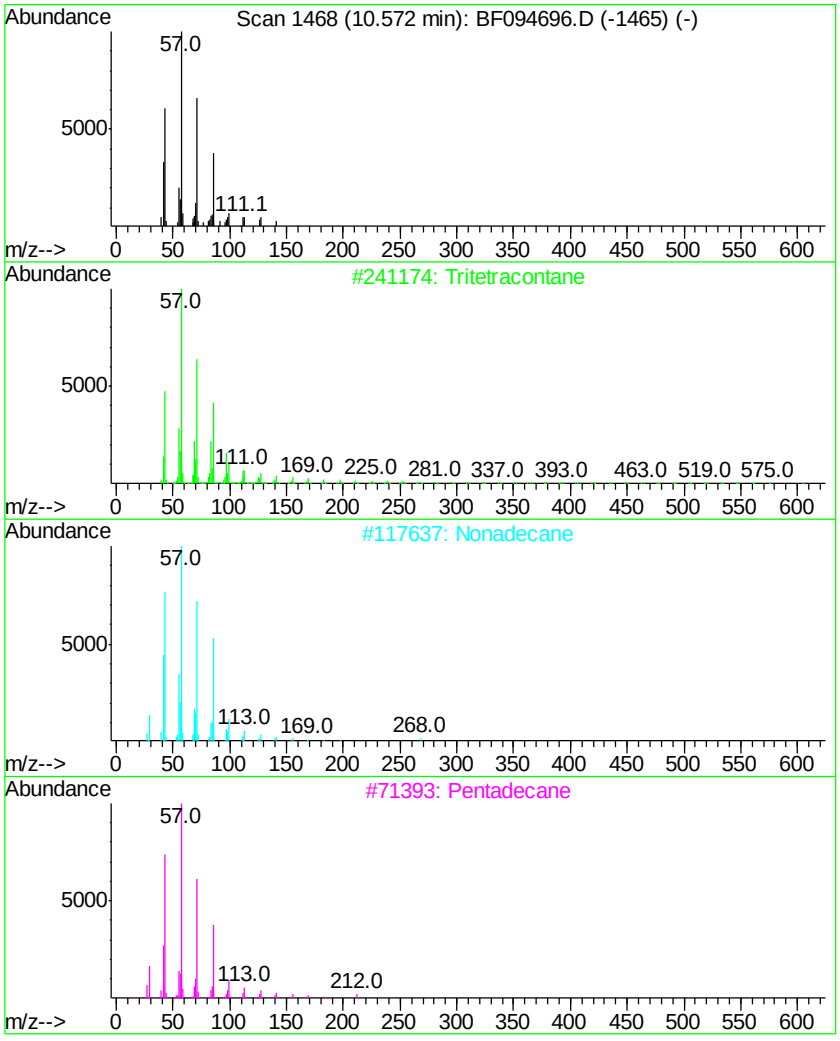
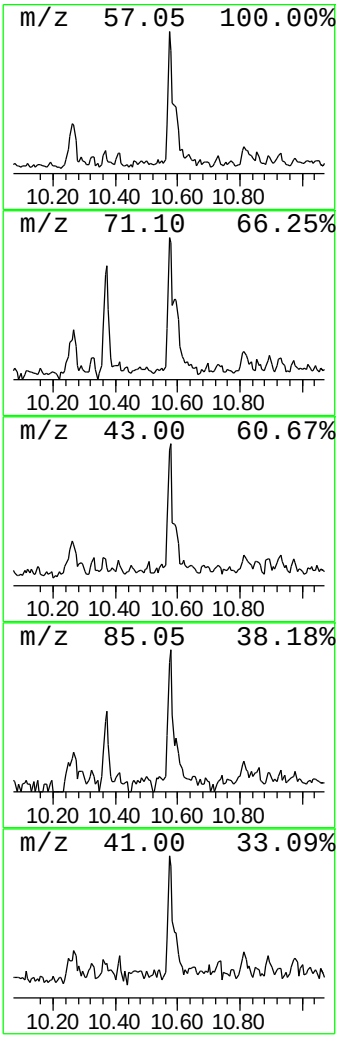
****

Peak Number 5 Tritetracontane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	2.17 ng	69974	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritetracontane	605	C43H88	007098-21-7	86
2	Nonadecane	268	C19H40	000629-92-5	80
3	Pentadecane	212	C15H32	000629-62-9	80
4	Tetradecane	198	C14H30	000629-59-4	80
5	Hexadecane	226	C16H34	000544-76-3	78





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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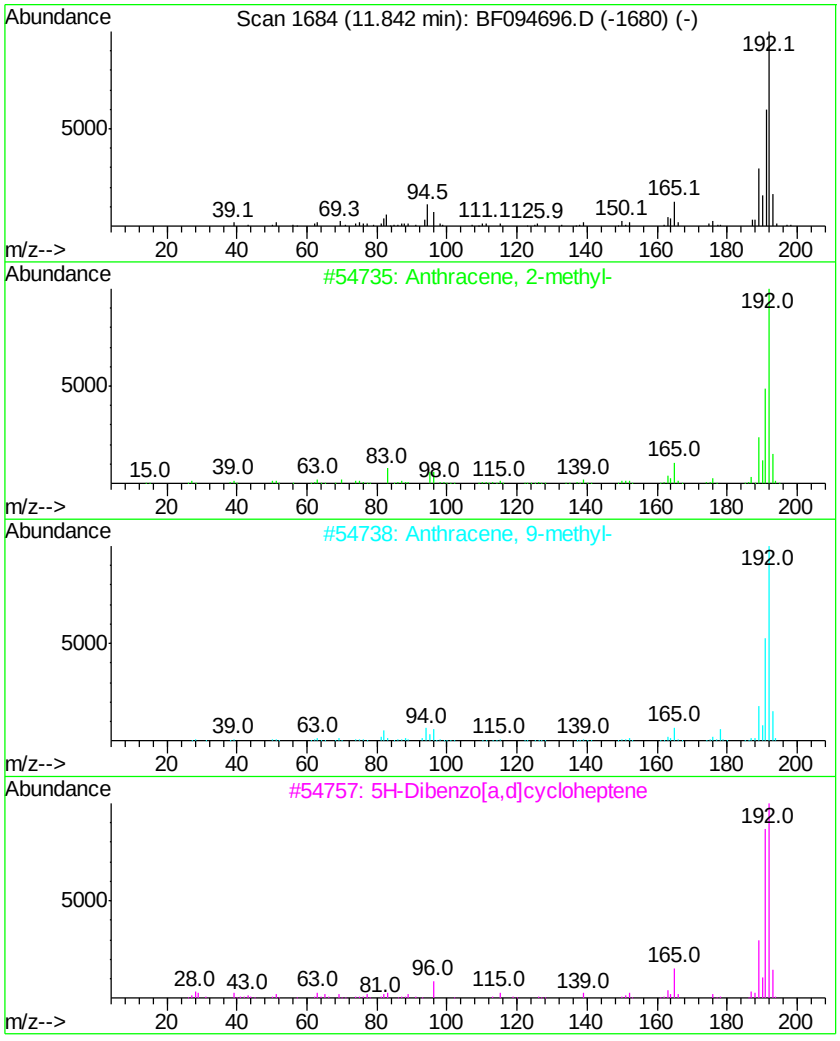
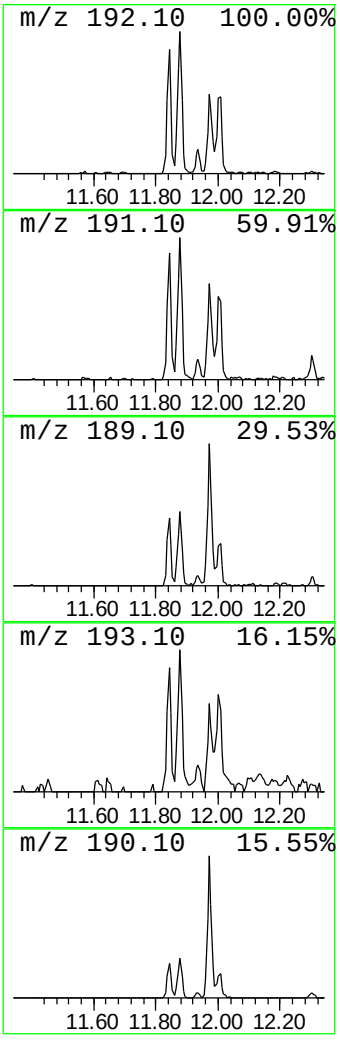
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	4.22 ng	136222	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

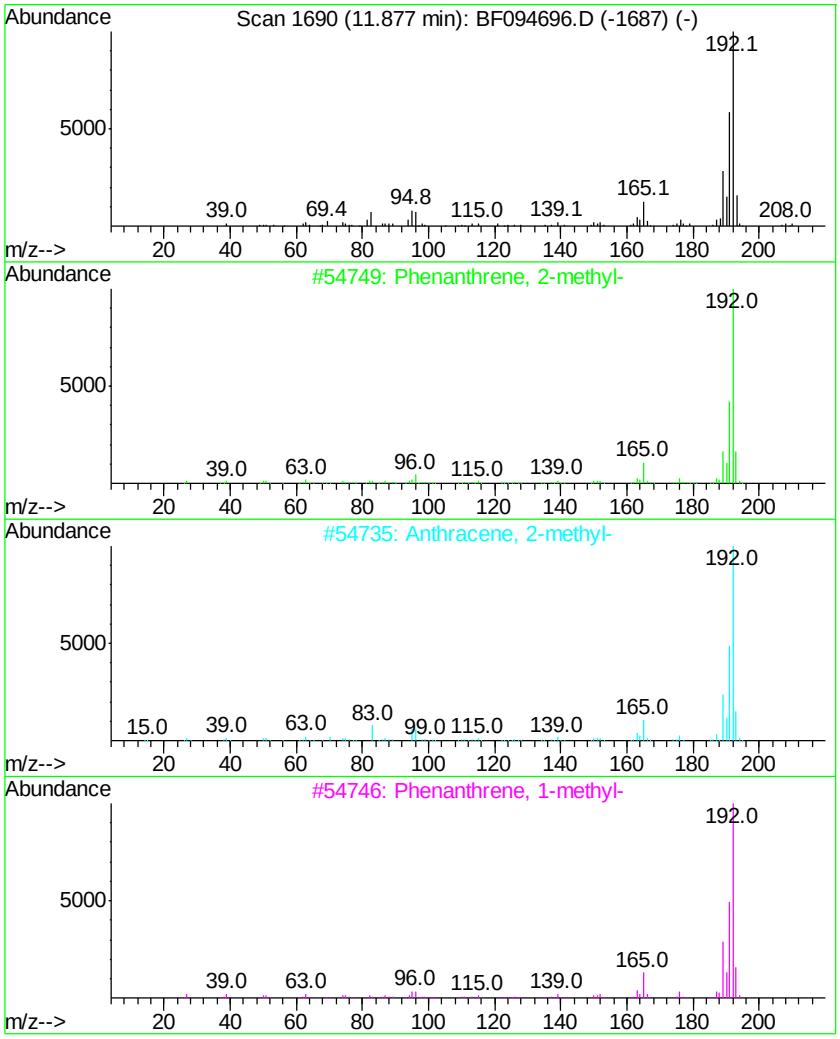
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

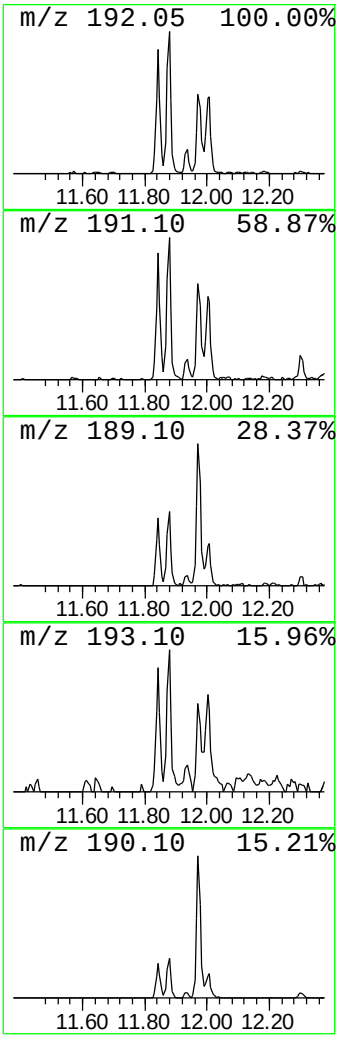
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.97 ng	160545	Phenanthrene-d10	11.22

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	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Library Search Compound Report

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Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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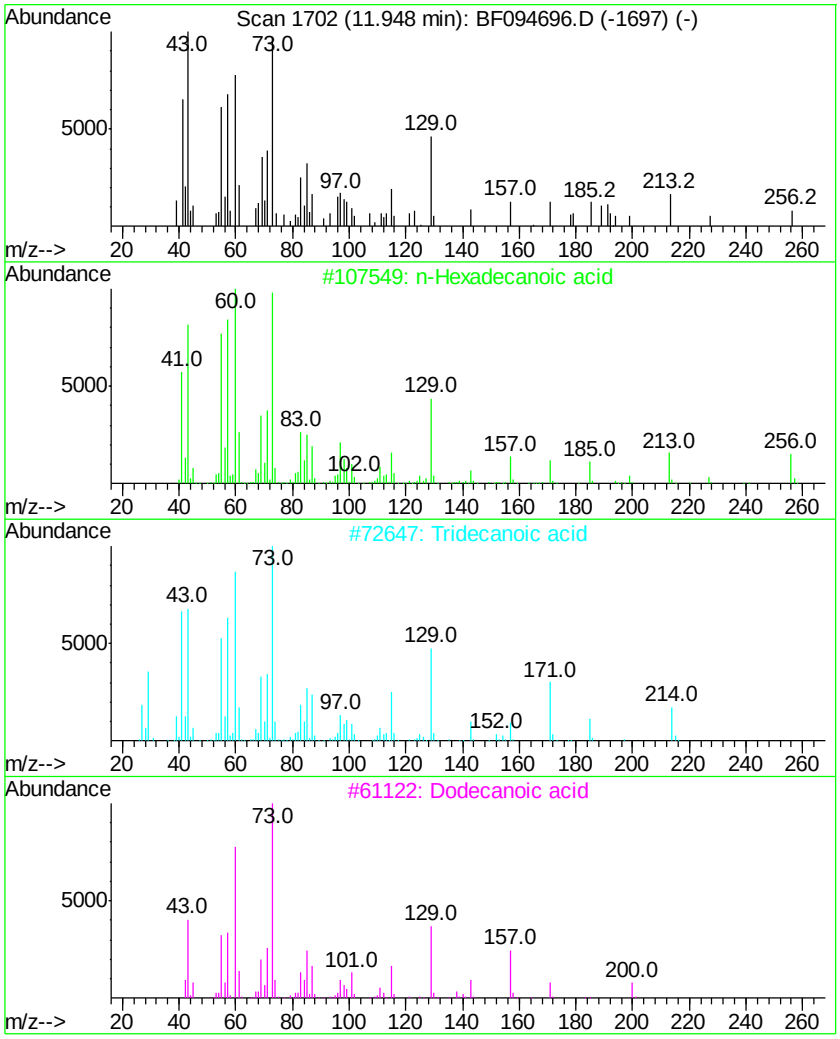
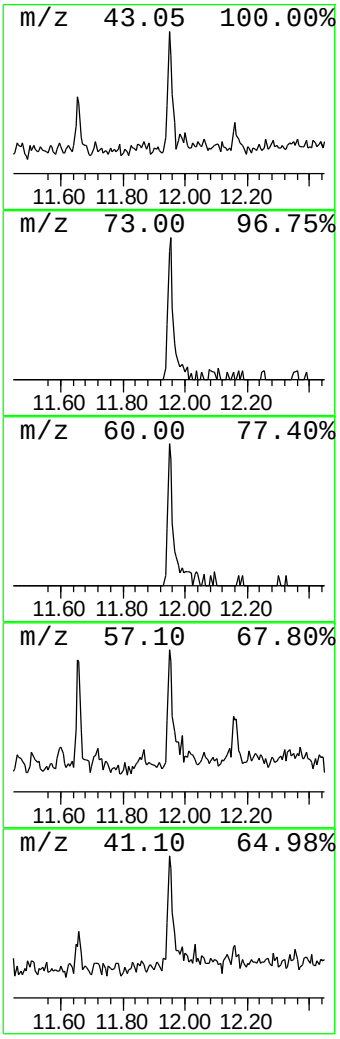
Peak Number 8 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.99 ng	96630	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	59
3	Dodecanoic acid	200	C12H24O2	000143-07-7	59
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	58





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Data File : BF094696.D
Acq On : 28 Apr 2017 20:58
Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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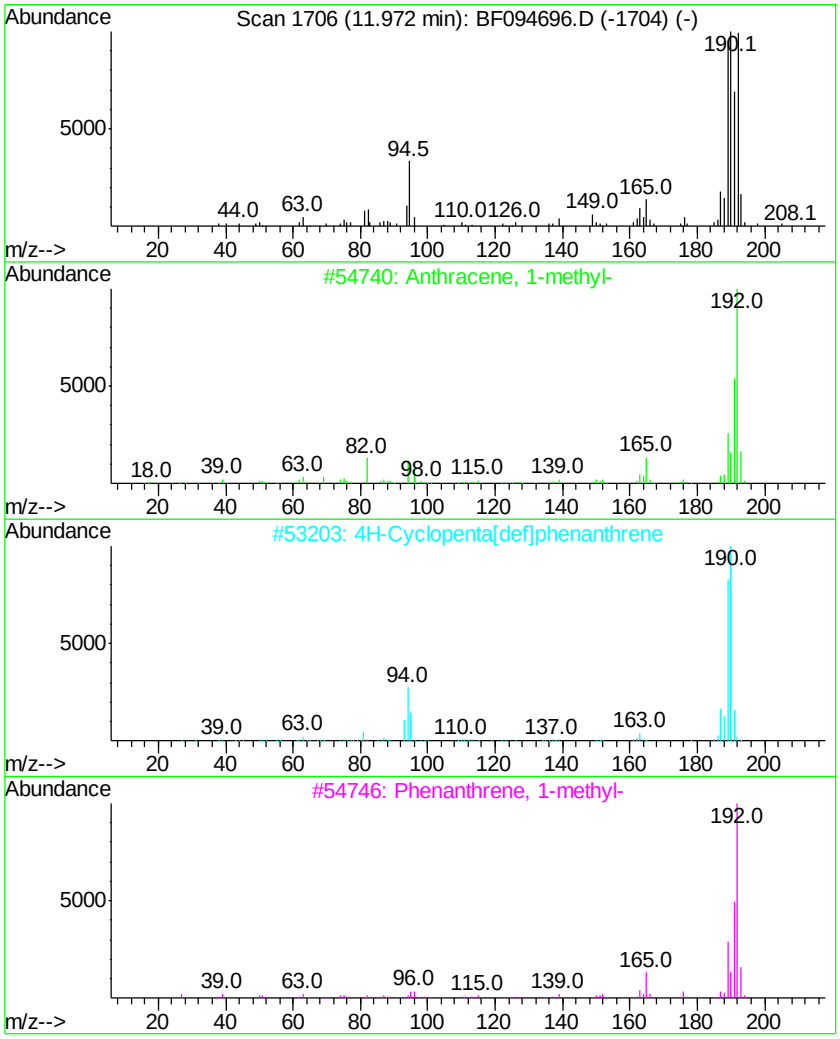
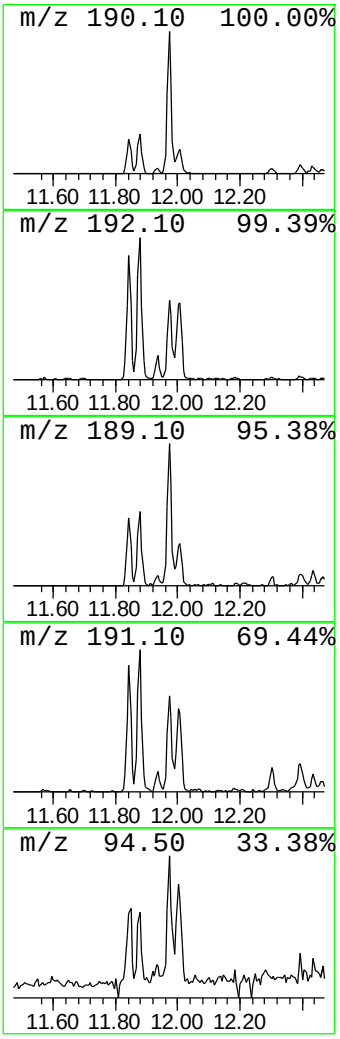
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	5.69 ng	183834	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	41
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
Data File : BF094696.D
Acq On : 28 Apr 2017 20:58
Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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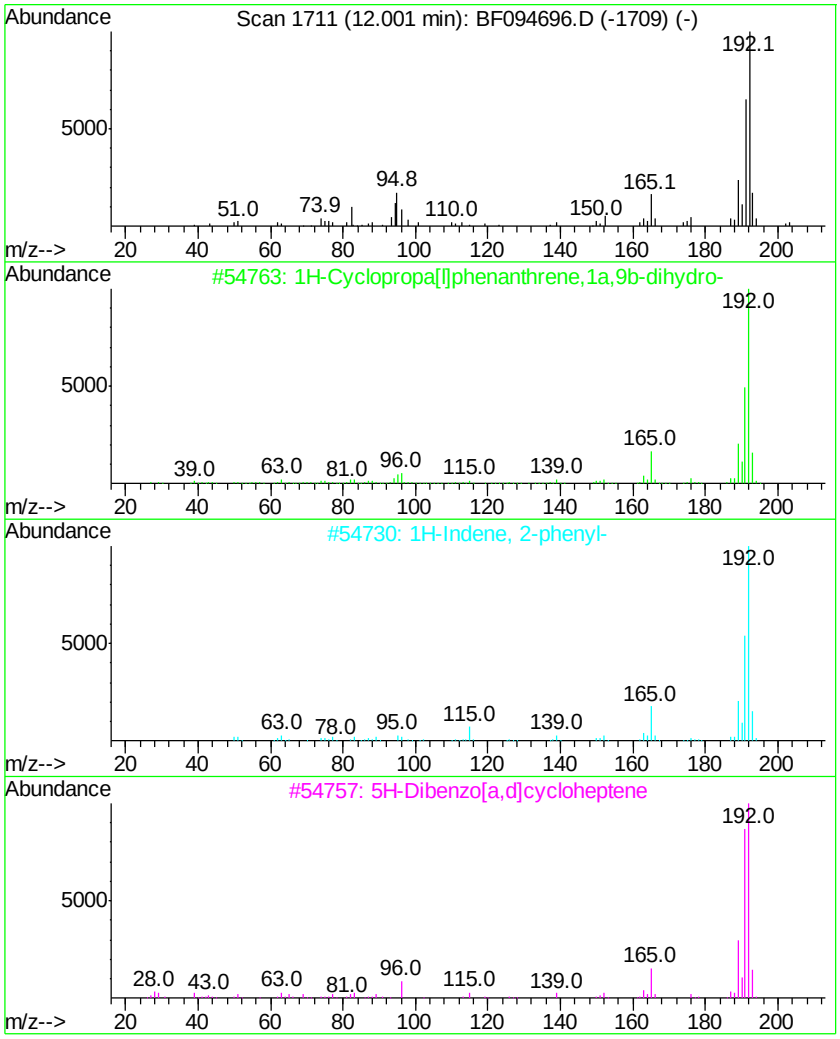
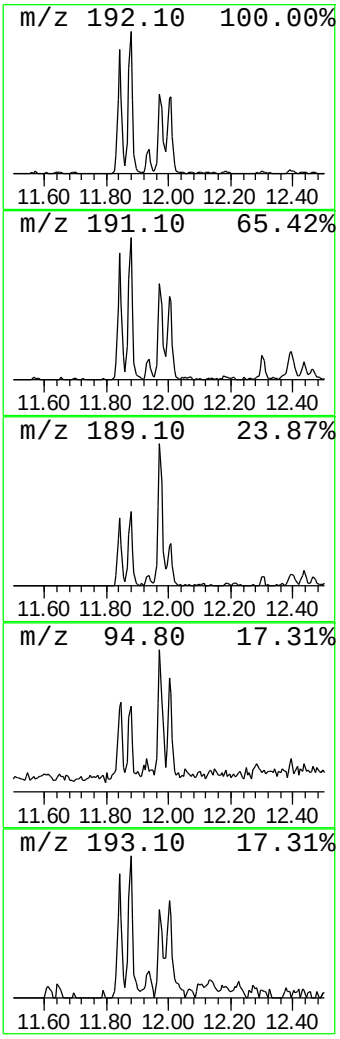
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.33 ng	107412	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Acq On : 28 Apr 2017 20:58
Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

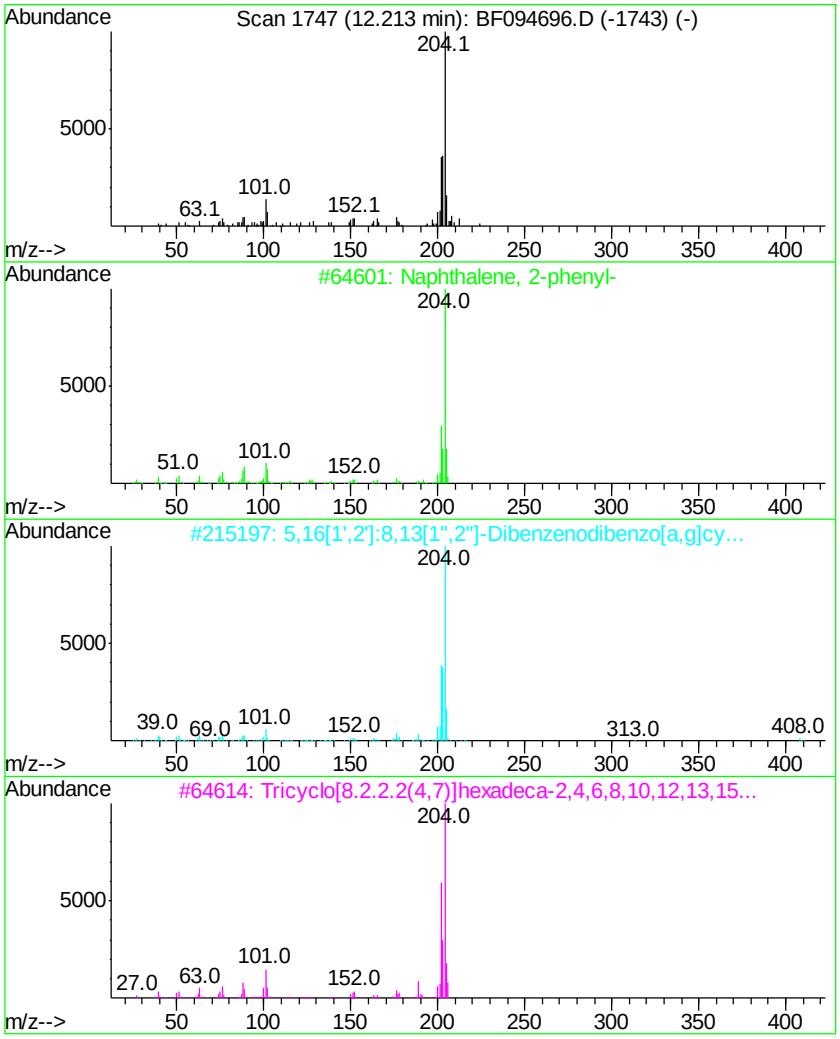
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

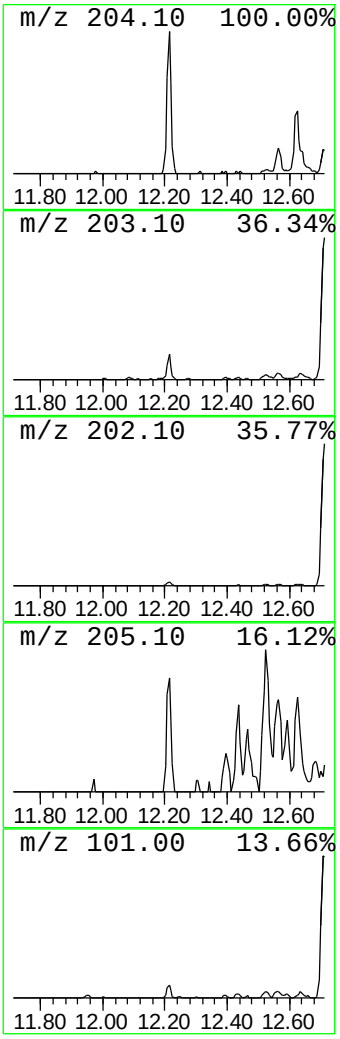
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	2.21 ng	71233	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	52





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ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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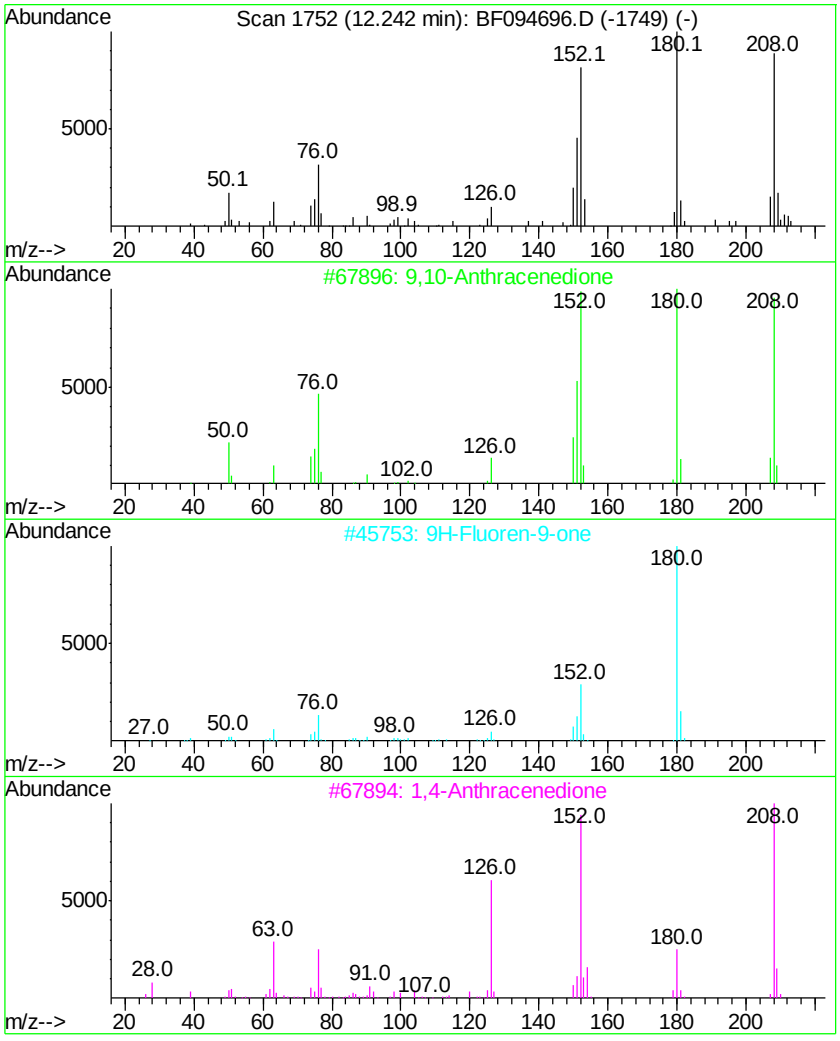
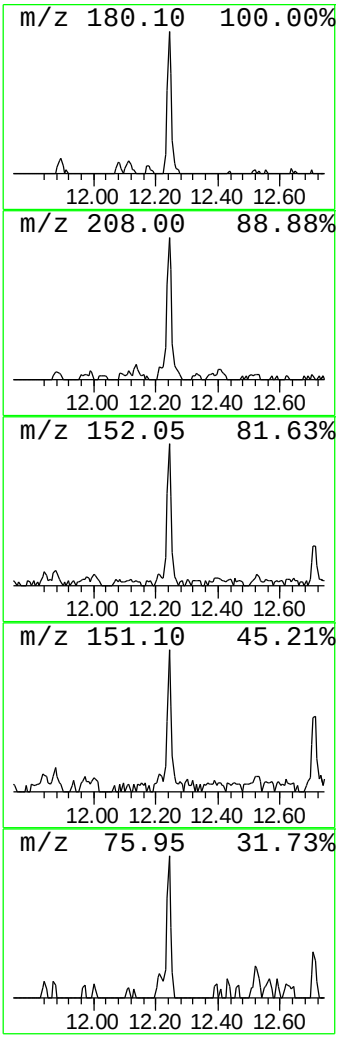
Peak Number 12 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	2.63 ng	84846	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Acq On : 28 Apr 2017 20:58
Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

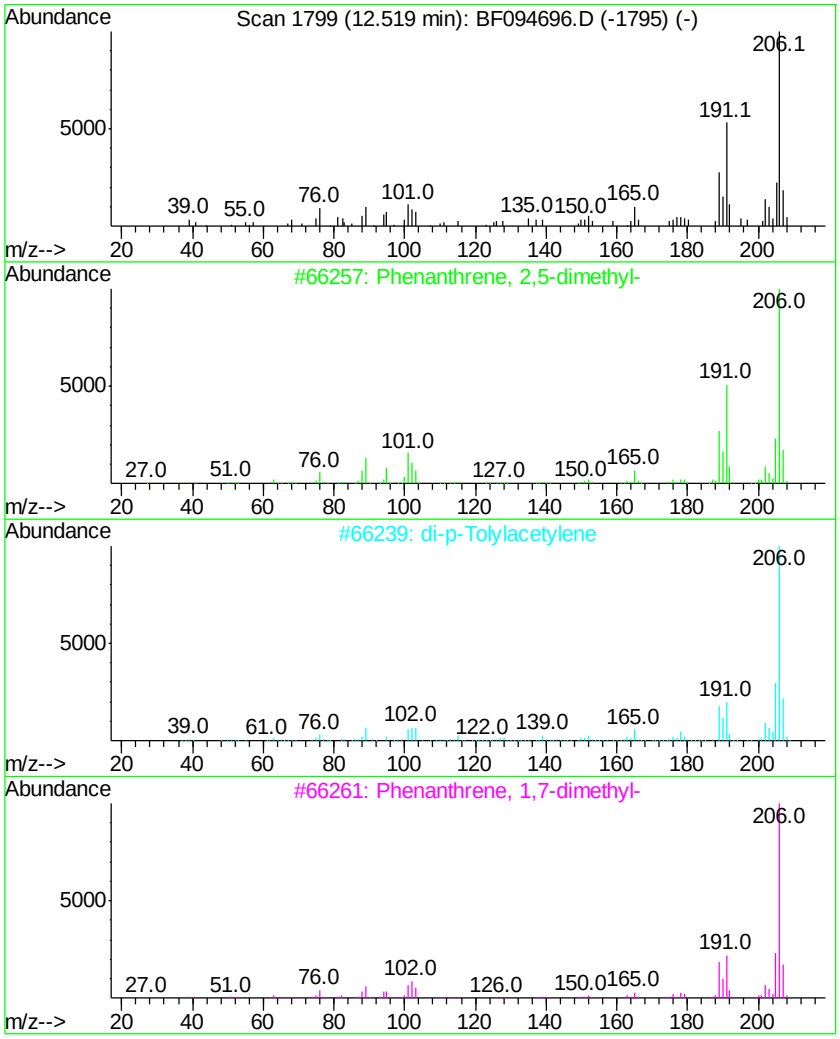
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

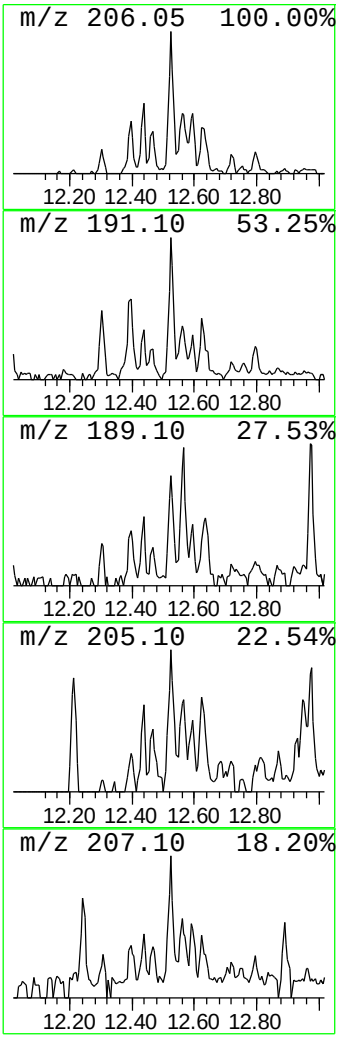
****

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.80 ng	90413	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

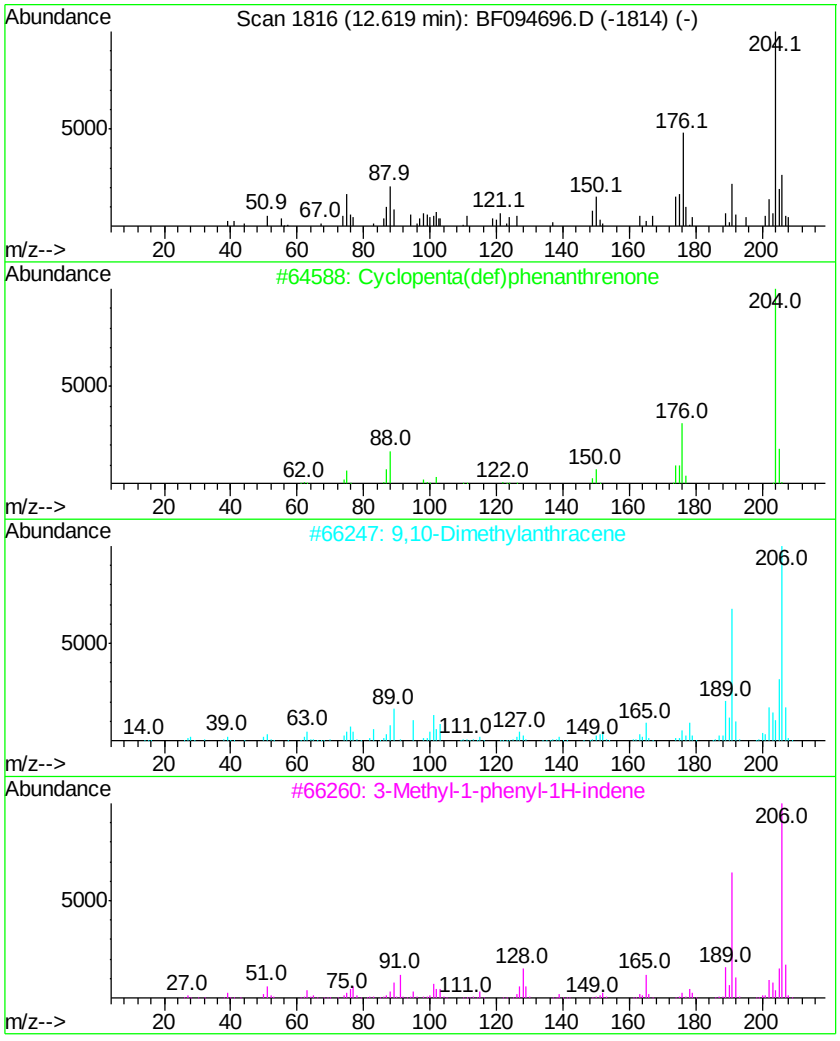
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

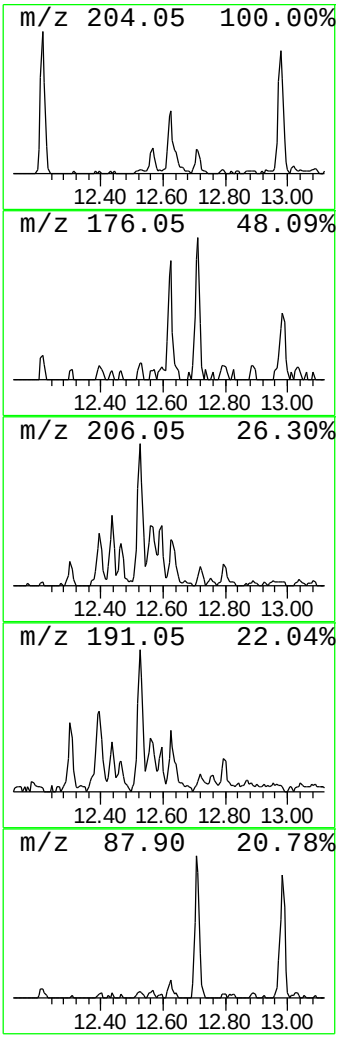
****

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	2.85 ng	92071	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	38
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	38
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	38





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Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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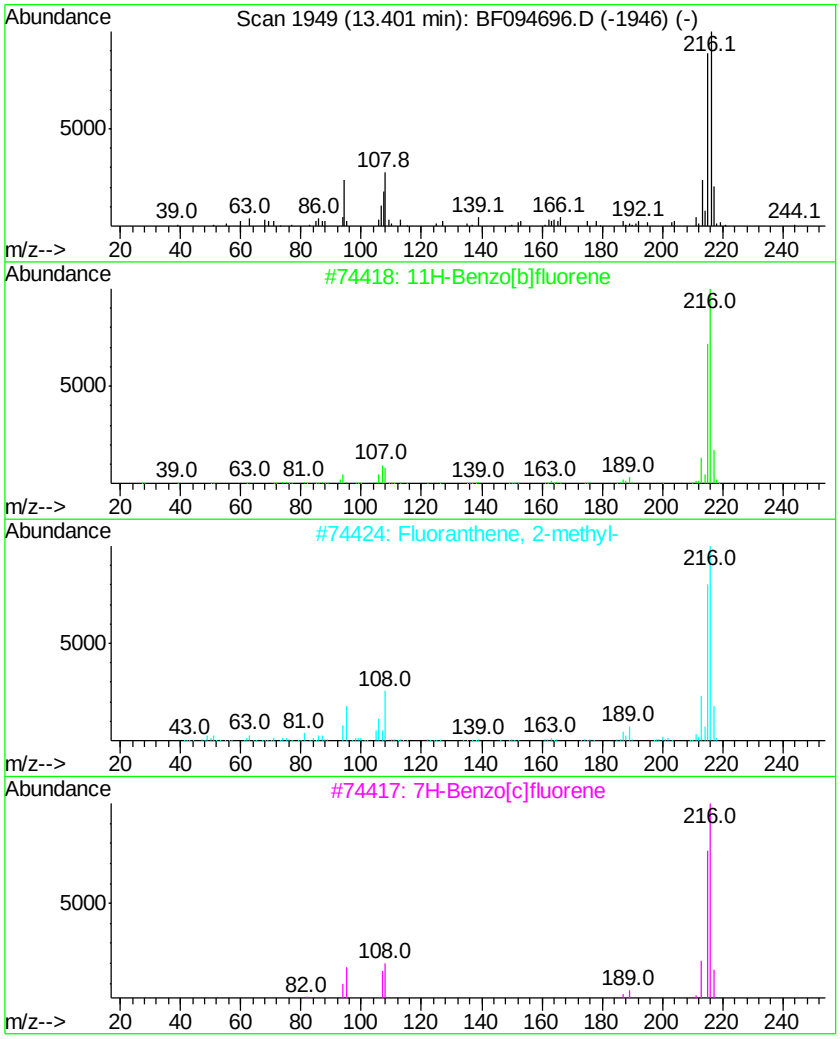
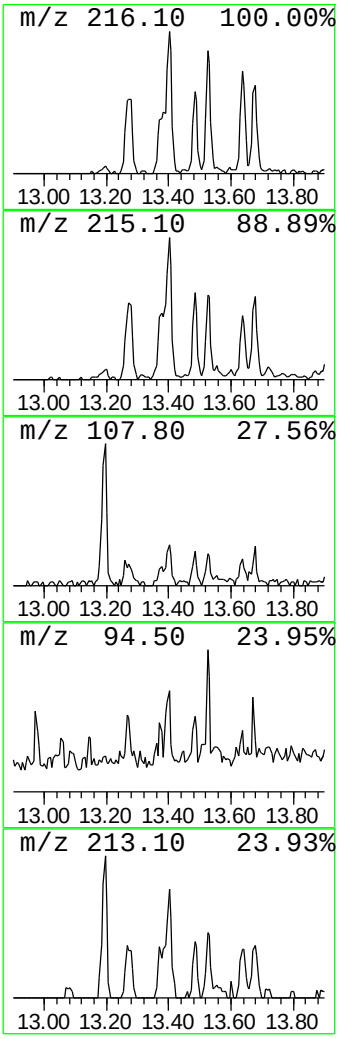
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	2.44 ng	106930	Chrysene-d12	14.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	59





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Acq On : 28 Apr 2017 20:58
Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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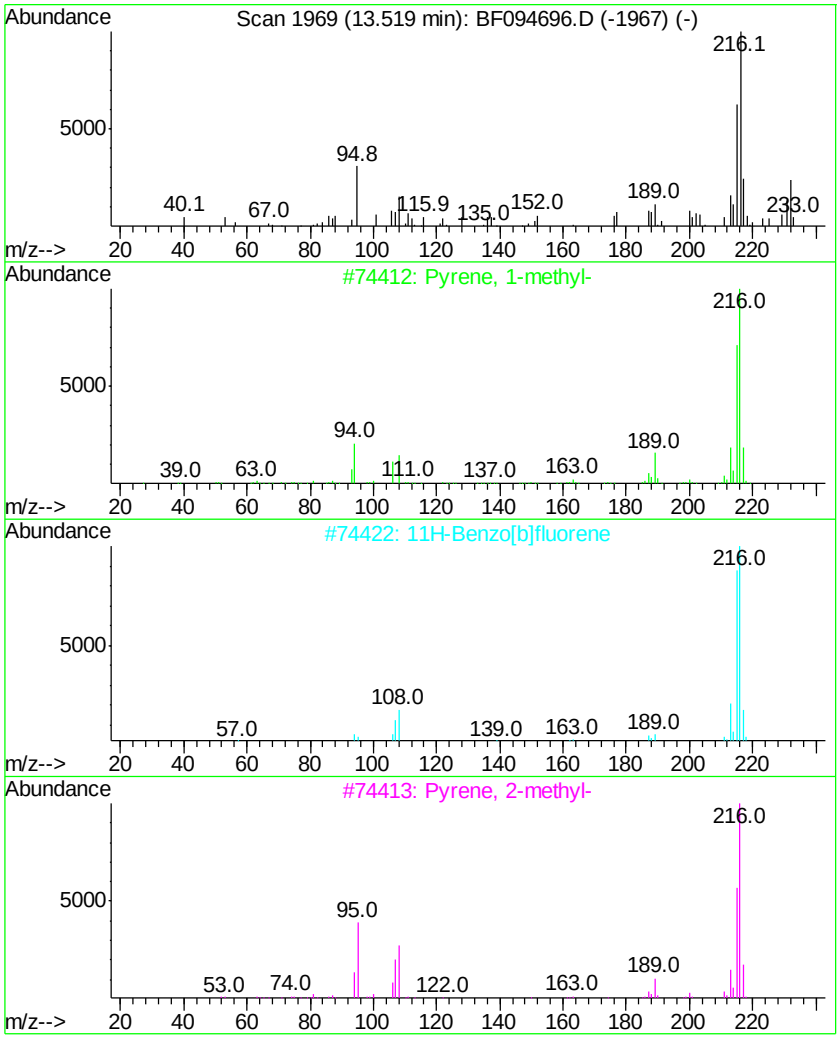
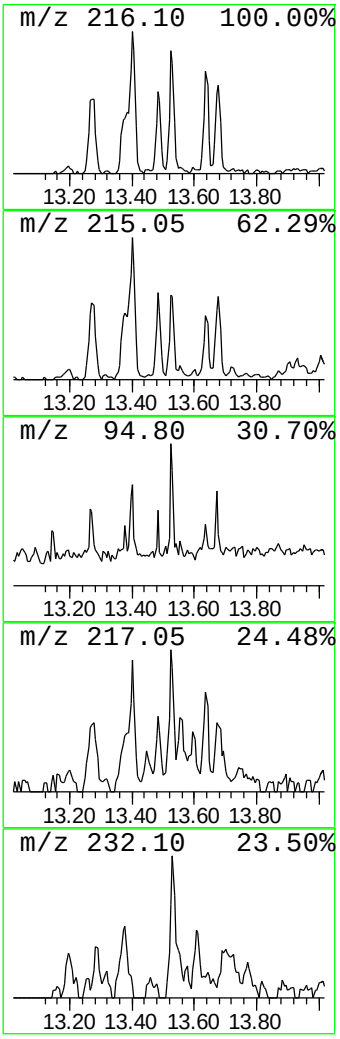
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	2.07 ng	90691	Chrysene-d12	14.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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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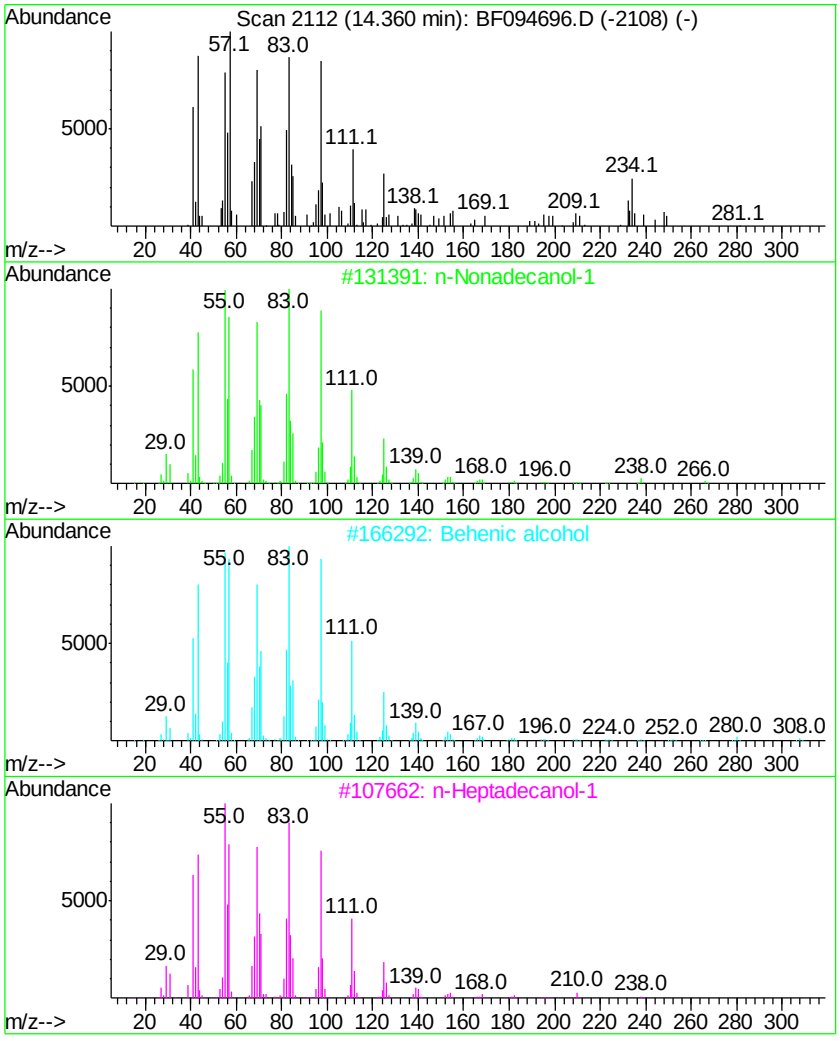
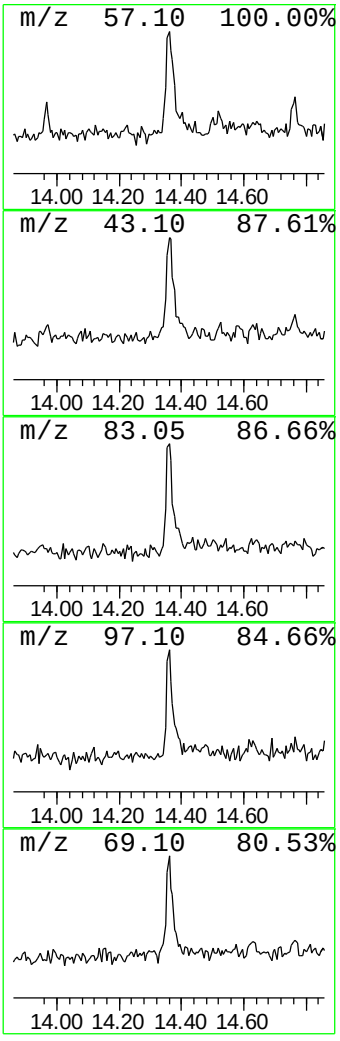
Peak Number 17 n-Nonadecanol-1 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	2.60 ng	113914	Chrysene-d12	14.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonadecanol-1	284	C19H40O	001454-84-8	93
2	Behenic alcohol	326	C22H46O	000661-19-8	93
3	n-Heptadecanol-1	256	C17H36O	001454-85-9	90
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	90
5	1-Heneicosanol	312	C21H44O	015594-90-8	90





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Data File : BF094696.D
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Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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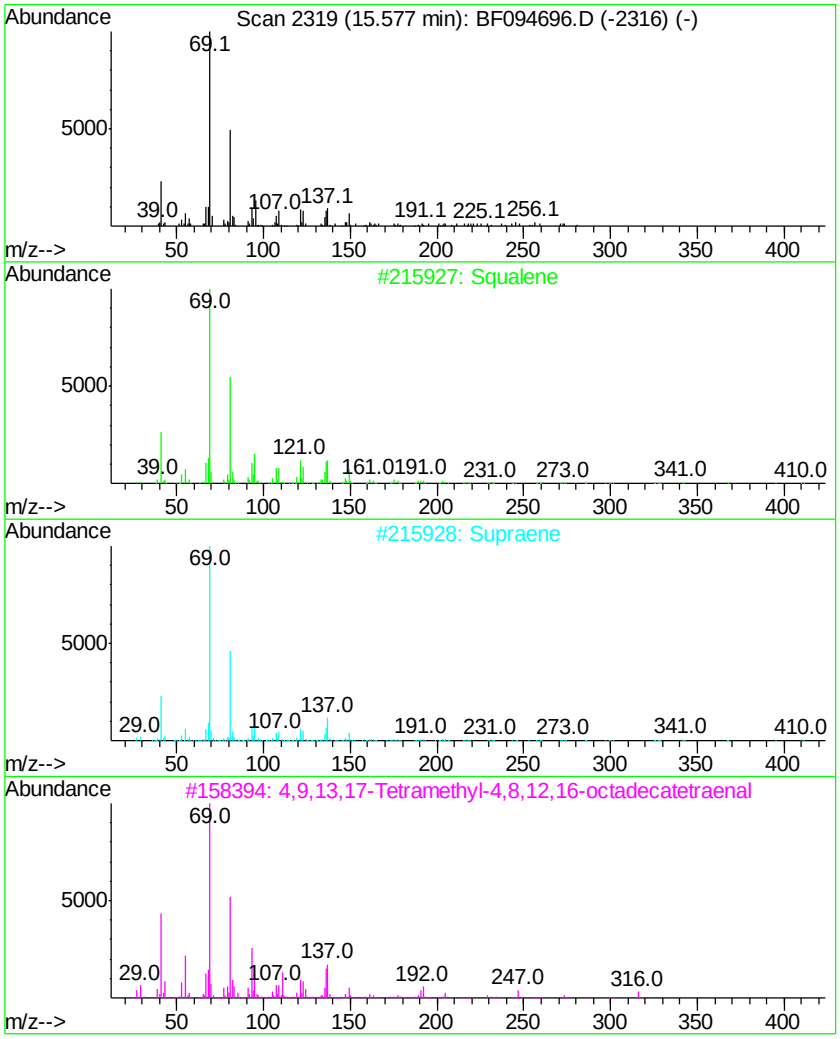
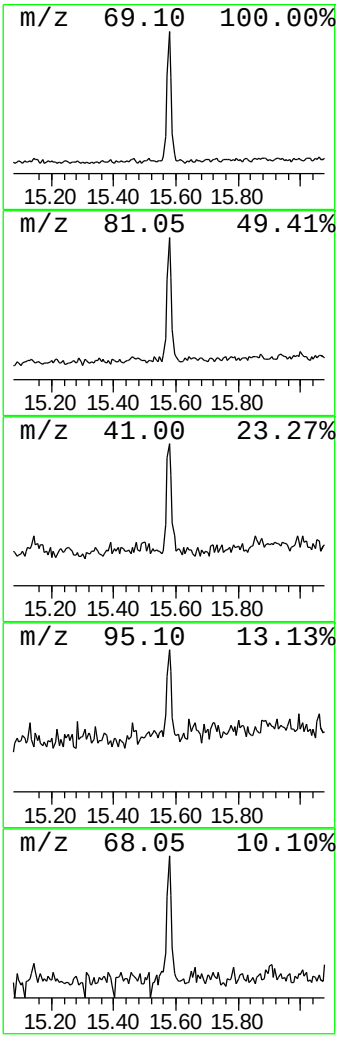
Peak Number 18 Squalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	4.82 ng	108711	Perylene-d12	16.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	87
2	Supraene	410	C30H50	007683-64-9	74
3	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	72
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72
5	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	64





Tentatively Identified Compound (LSC) summary

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Data File : BF094696.D
Acq On : 28 Apr 2017 20:58
Operator : SJ/MA
Sample : I2873-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MANHOLE-9-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
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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...	3.93	12.7	ng	398785	1	5.77	630033	20.0
unknown5.52	5.52	74.7	ng	2353110	1	5.77	630033	20.0
Tritetracontane	10.57	2.2	ng	69974	4	11.22	645645	20.0
Anthracene, 2-met...	11.84	4.2	ng	136222	4	11.22	645645	20.0
Phenanthrene, 2-m...	11.88	5.0	ng	160545	4	11.22	645645	20.0
n-Hexadecanoic acid	11.95	3.0	ng	96630	4	11.22	645645	20.0
Anthracene, 1-met...	11.97	5.7	ng	183834	4	11.22	645645	20.0
1H-Cyclopropa[l]p...	12.00	3.3	ng	107412	4	11.22	645645	20.0
Naphthalene, 2-ph...	12.21	2.2	ng	71233	4	11.22	645645	20.0
9,10-Anthracenedione	12.24	2.6	ng	84846	4	11.22	645645	20.0
Phenanthrene, 2,5...	12.52	2.8	ng	90413	4	11.22	645645	20.0
Cyclopenta(def)ph...	12.62	2.9	ng	92071	4	11.22	645645	20.0
11H-Benzo[b]fluorene	13.40	2.4	ng	106930	5	14.47	876030	20.0
Pyrene, 1-methyl-	13.52	2.1	ng	90691	5	14.47	876030	20.0
n-Nonadecanol-1	14.36	2.6	ng	113914	5	14.47	876030	20.0
Squalene	15.58	4.8	ng	108711	6	16.10	450901	20.0