LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098316.D
Acq On : 7 Sep 2017 16:25
Operator : SJ/JU
Sample : I5075-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 292

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	2.198	14	19	27	rVB2	32361	66829	2.39%	0.217%
2	3.045	160	163	172	rBV	14546	37981	1.36%	0.123%
3	4.875	470	474	492	rVB	244406	326749	11.68%	1.059%
4	5.298	541	546	549	rBV	2456468	2416924	86.39%	7.833%
5	6.333	717	722	725	rBV	2285957	2633894	94.14%	8.537%
6	6.457	739	743	747	rBV	2389980	2482227	88.72%	8.045%
7	6.686	779	782	790	rBV	869108	718085	25.67%	2.327%
8	6.845	805	809	812	rBV	2198477	1957165	69.95%	6.343%
9	7.257	874	879	882	rBV	1742435	1622652	58.00%	5.259%
10	7.369	894	898	906	rVB	61024	74734	2.67%	0.242%
11	7.969	996	1000	1003	rBV	1038970	927458	33.15%	3.006%
12	9.051	1179	1184	1187	rBV	3049526	2797774	100.00%	9.068%
13	9.445	1247	1251	1254	rBV	506980	390837	13.97%	1.267%
14	9.586	1272	1275	1279	rVB	45164	38686	1.38%	0.125%
15	9.722	1292	1298	1302	rBV	1049670	957665	34.23%	3.104%
16	9.757	1302	1304	1307	rVB	49861	42268	1.51%	0.137%
17	9.927	1330	1333	1338	rBV2	36638	42353	1.51%	0.137%
18	10.157	1369	1372	1377	rVB3	41500	39795	1.42%	0.129%
19	10.269	1388	1391	1397	rVB2	44947	46181	1.65%	0.150%
20	10.380	1404	1410	1412	rBV3	27398	32323	1.16%	0.105%
21	10.516	1427	1433	1436	rBV	1453893	1420570	50.78%	4.604%
22	10.633	1450	1453	1461	rBV2	84609	115623	4.13%	0.375%
23	11.010	1515	1517	1522	rVB2	31934	30568	1.09%	0.099%
24	11.080	1522	1529	1531	rBV4	71296	101297	3.62%	0.328%
25	11.104	1531	1533	1540	rVB2	50405	56863	2.03%	0.184%
26	11.204	1547	1550	1553	rBV	896295	894672	31.98%	2.900%
27	11.227	1553	1554	1558	rVV	538294	362991	12.97%	1.176%
28	11.280	1558	1563	1566	rVB	139123	133099	4.76%	0.431%
29	11.439	1583	1590	1598	rBV2	171128	285920	10.22%	0.927%
30	11.504	1598	1601	1604	rVV	81025	76897	2.75%	0.249%
31	11.539	1604	1607	1613	rVV4	37466	57128	2.04%	0.185%
32	11.604	1615	1618	1624	rVB4	21174	38039	1.36%	0.123%
33	11.704	1631	1635	1638	rBV	95733	102283	3.66%	0.332%
34	11.733	1638	1640	1644	rVV	147487	120182	4.30%	0.390%

LSC Area Percent Report

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Acq On : 7 Sep 2017 16:25
Operator : SJ/JU
Sample : I5075-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 292

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	11.780	1644	1648	1651	rVV2	59548	65061	2.33%	0.211%
36	11.816	1651	1654	1657	rVV	168717	197255	7.05%	0.639%
37	11.839	1657	1658	1663	rVB	87243	58587	2.09%	0.190%
38	11.910	1668	1670	1673	rVB2	42424	35080	1.25%	0.114%
39	12.004	1683	1686	1688	rBV	61516	55491	1.98%	0.180%
40	12.027	1688	1690	1693	rVB2	53479	45721	1.63%	0.148%
41	12.180	1713	1716	1719	rBV2	33303	35639	1.27%	0.116%
42	12.257	1725	1729	1732	rBV	136137	147378	5.27%	0.478%
43	12.298	1733	1736	1740	rVV3	77495	100961	3.61%	0.327%
44	12.339	1740	1743	1748	rVV4	58226	72847	2.60%	0.236%
45	12.415	1752	1756	1760	rVV	863757	742141	26.53%	2.405%
46	12.645	1789	1795	1797	rBV	792370	770395	27.54%	2.497%
47	12.674	1797	1800	1808	rVB	599093	765871	27.37%	2.482%
48	12.792	1816	1820	1826	rVB	2029837	1993619	71.26%	6.461%
49	12.863	1830	1832	1836	rVB	56165	64609	2.31%	0.209%
50	12.951	1844	1847	1848	rBV2	53451	57565	2.06%	0.187%
51	12.974	1848	1851	1854	rVB	124821	122056	4.36%	0.396%
52	13.039	1860	1862	1864	rVB	80743	61621	2.20%	0.200%
53	13.074	1865	1868	1871	rBV2	94088	94101	3.36%	0.305%
54	13.168	1882	1884	1886	rVB	56405	40206	1.44%	0.130%
55	13.198	1887	1889	1892	rVV	57808	48040	1.72%	0.156%
56	13.480	1935	1937	1942	rVB	67587	68259	2.44%	0.221%
57	13.586	1953	1955	1958	rBV	56821	54665	1.95%	0.177%
58	13.615	1958	1960	1962	rVV	49197	37527	1.34%	0.122%
59	13.692	1970	1973	1980	rVB	238471	260556	9.31%	0.844%
60	13.839	1993	1998	2001	rBV2	775597	1090840	38.99%	3.535%
61	13.868	2001	2003	2006	rVB	355837	262704	9.39%	0.851%
62	14.227	2062	2064	2067	rVB	84711	69940	2.50%	0.227%
63	14.856	2167	2171	2174	rBV	339244	506573	18.11%	1.642%
64	14.951	2185	2187	2191	rVB	95842	91009	3.25%	0.295%
65	15.133	2216	2218	2224	rVB	201336	250553	8.96%	0.812%
66	15.192	2225	2228	2234	rVB	274206	325742	11.64%	1.056%
67	15.256	2235	2239	2242	rBV	491994	596495	21.32%	1.933%
68	16.609	2466	2469	2476	rVB2	121285	216301	7.73%	0.701%

Sum of corrected areas: 30854120

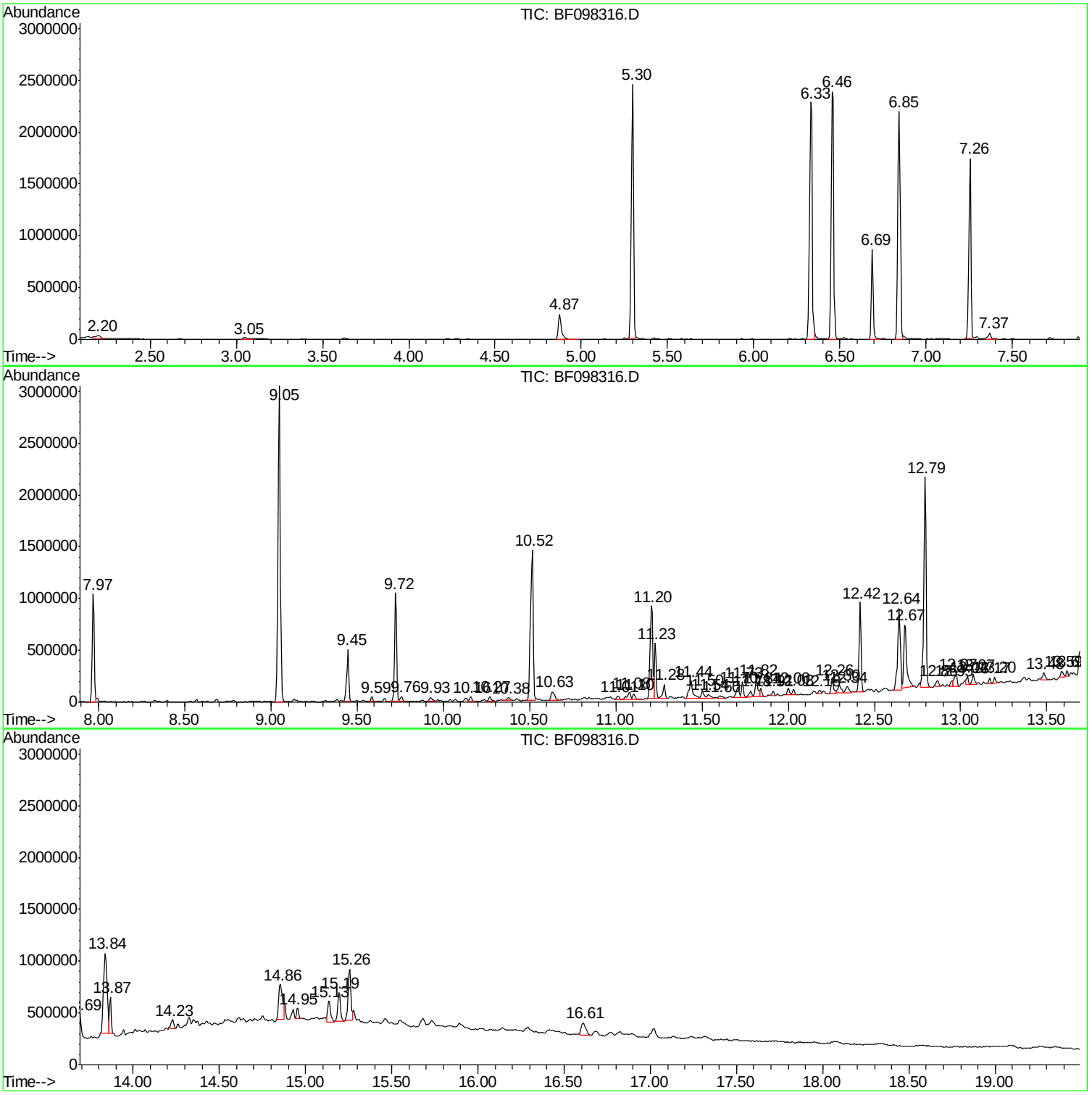
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098316.D
Acq On : 7 Sep 2017 16:25
Operator : SJ/JU
Sample : I5075-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 292

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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098316.D
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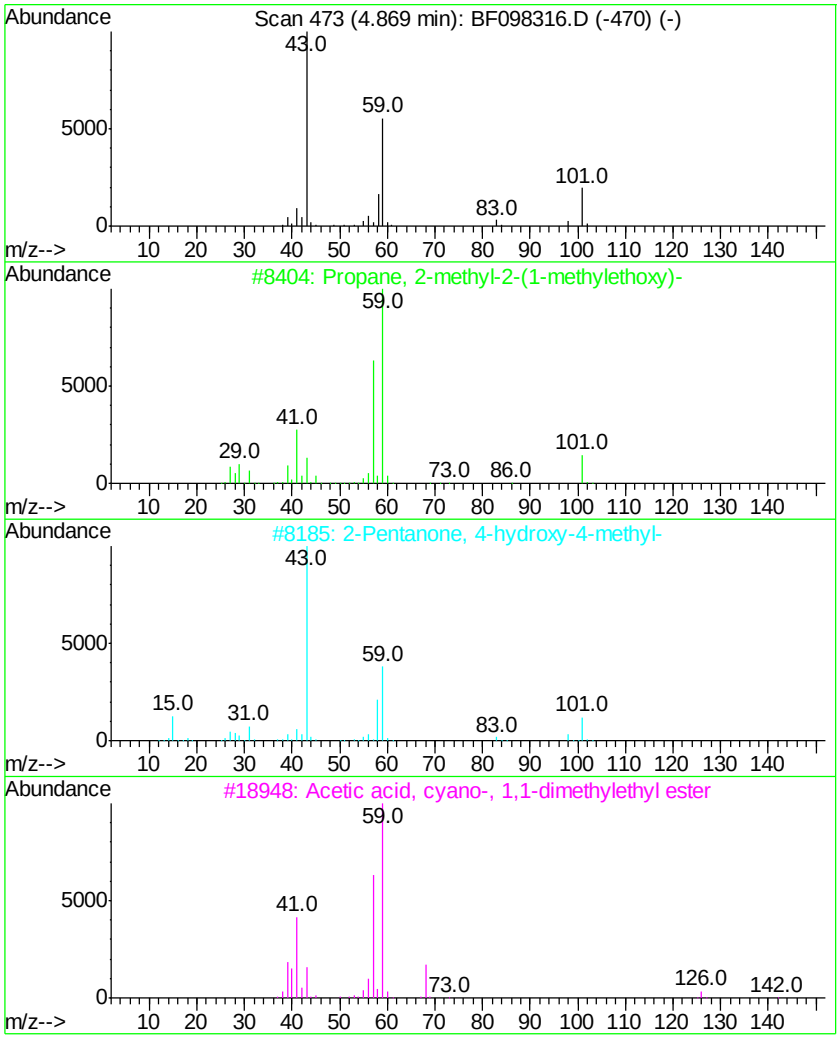
TIC Integration Parameters: LSCINT.P

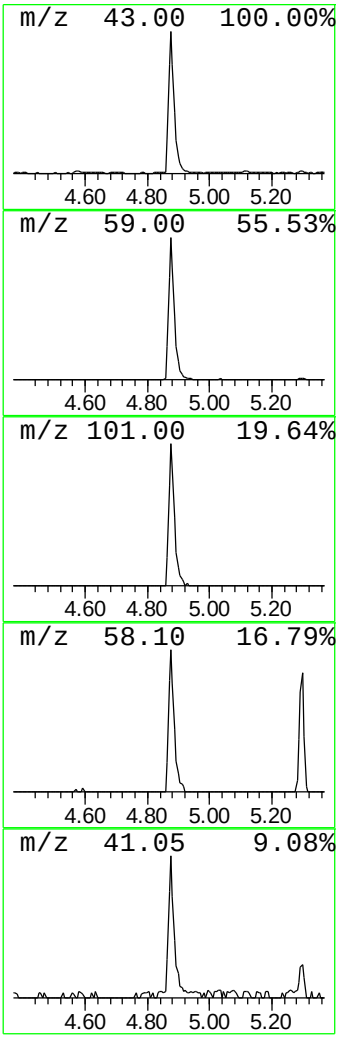
****

Peak Number 1 Propane, 2-methyl-2-(1-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	9.10 ng	326749	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098316.D
Acq On : 7 Sep 2017 16:25
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Sample : I5075-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 292

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

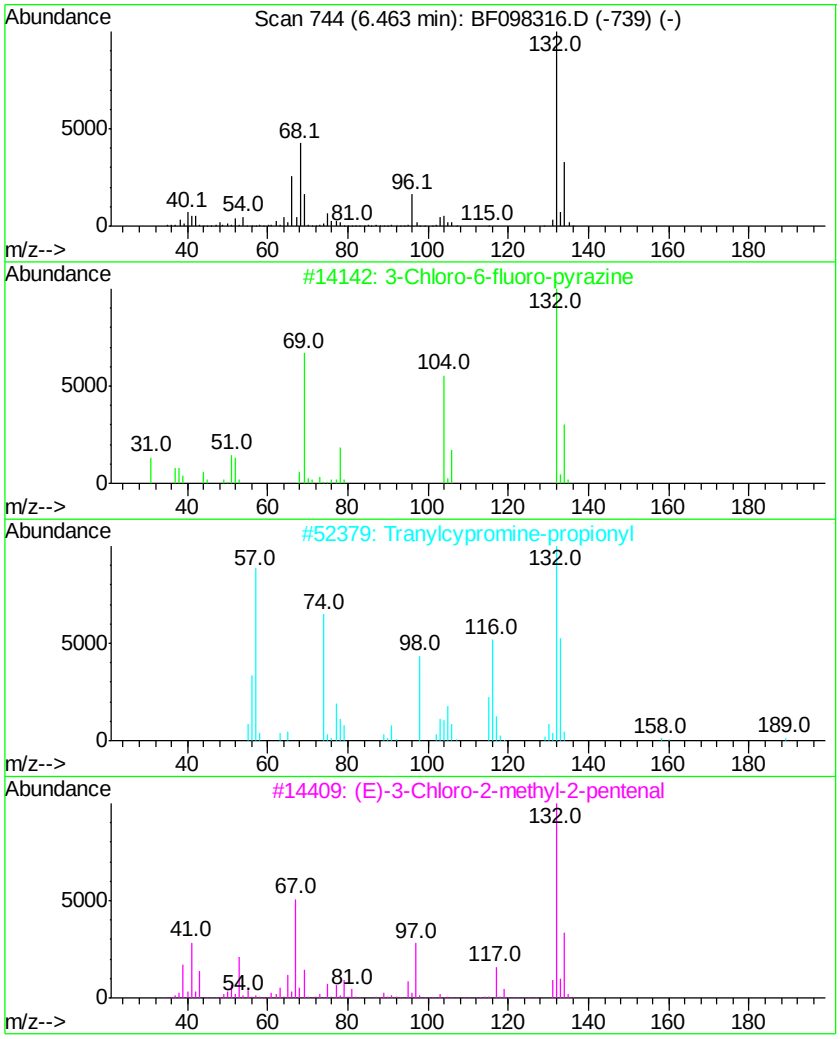
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

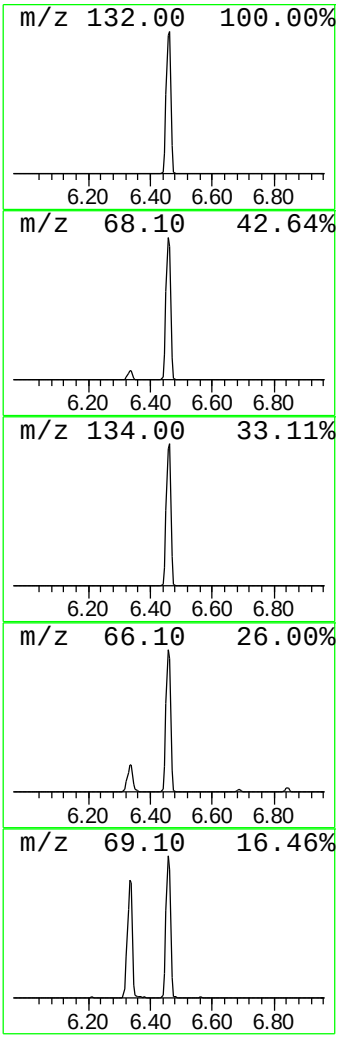
****

Peak Number 2 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	69.13 ng	2482230	1,4-Dichlorobenzene-d4	6.69

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	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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Sample : I5075-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 292

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
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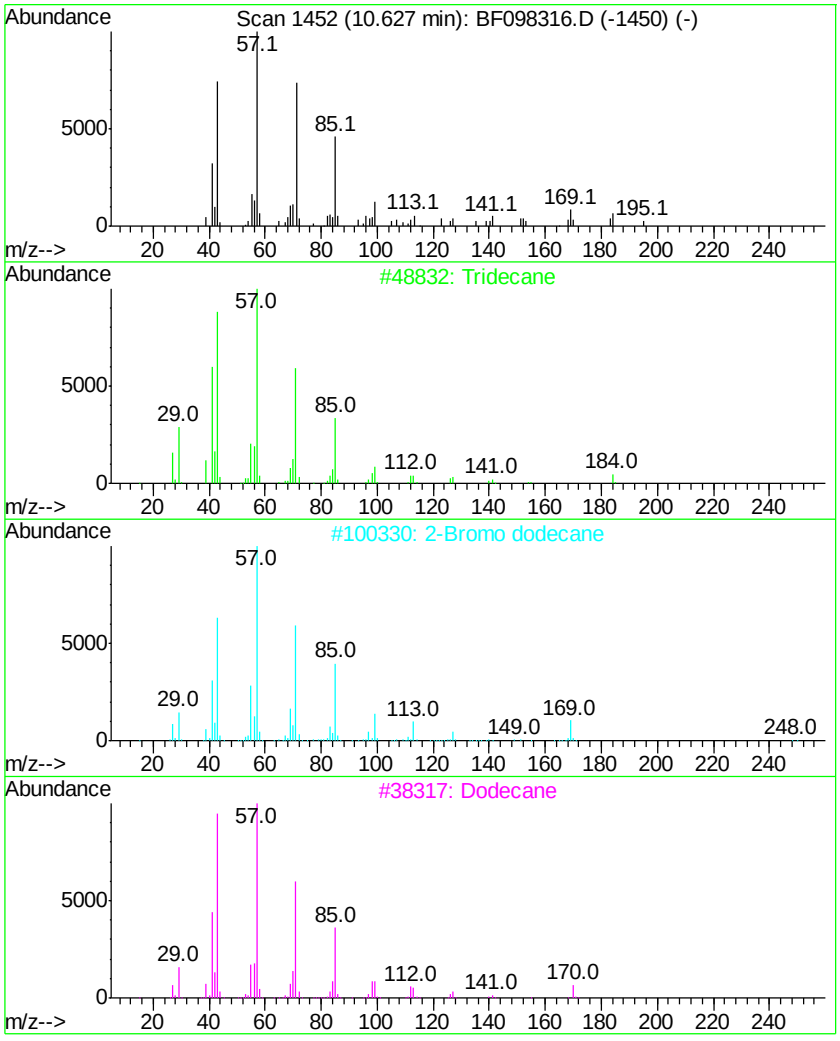
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

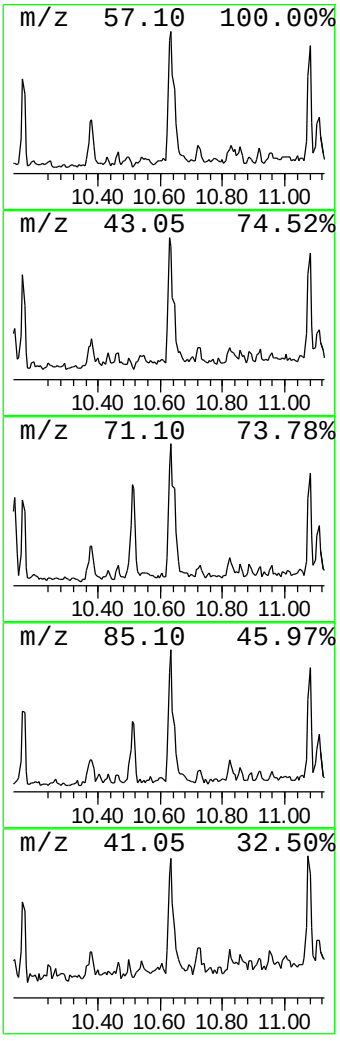
****

Peak Number 4 Tridecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	2.58 ng	115623	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
3	Dodecane	170	C12H26	000112-40-3	83
4	Hexadecane	226	C16H34	000544-76-3	80
5	Heptadecane	240	C17H36	000629-78-7	80





Library Search Compound Report

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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
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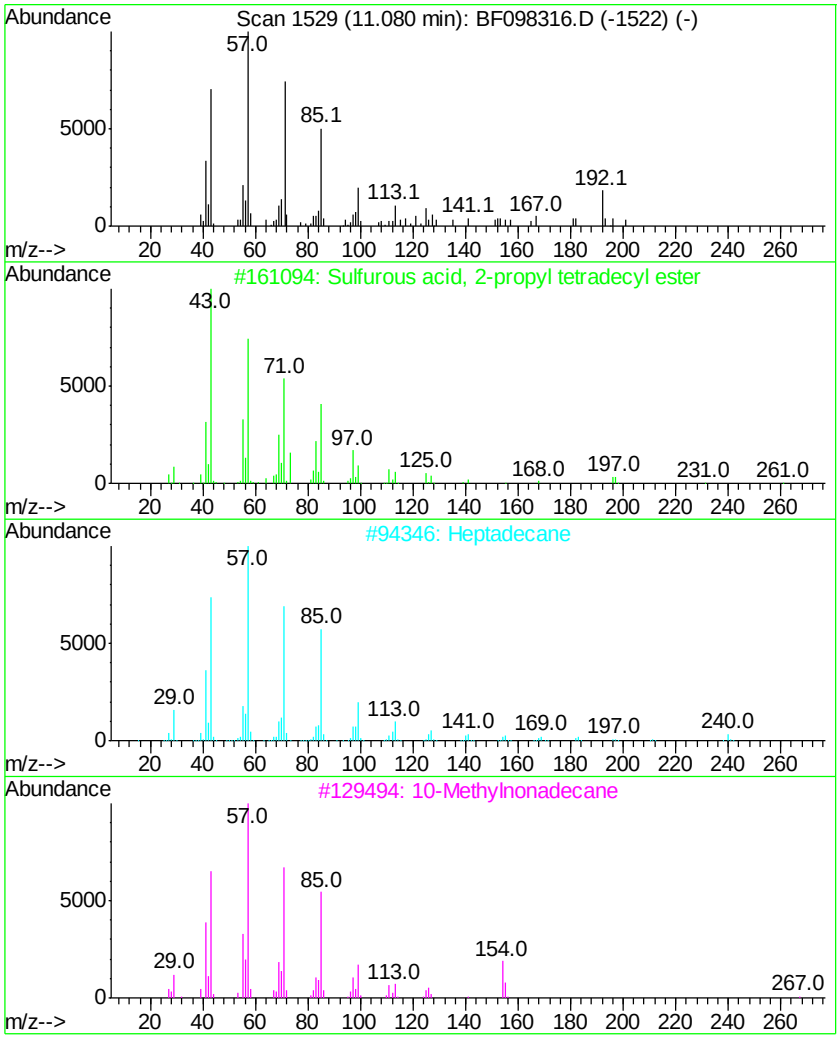
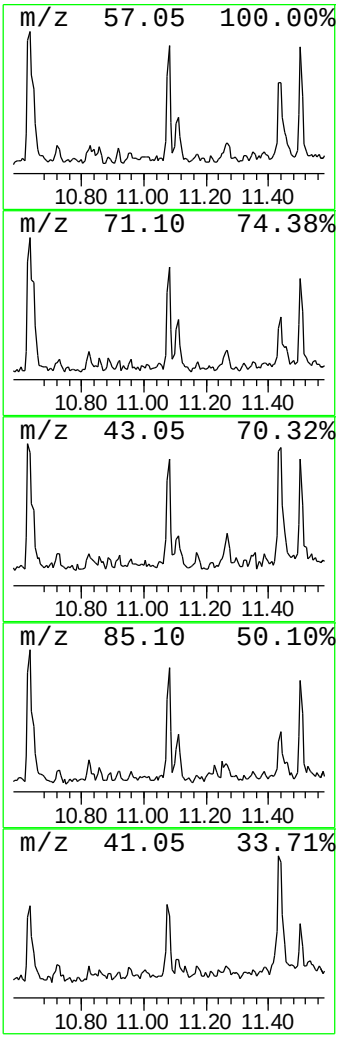
****

Peak Number 5 Sulfurous acid, 2-propyl te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	2.26 ng	101297	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	80
2	Heptadecane	240	C17H36	000629-78-7	74
3	10-Methylnonadecane	282	C20H42	056862-62-5	72
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	72
5	Octadecane	254	C18H38	000593-45-3	72





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : 292

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

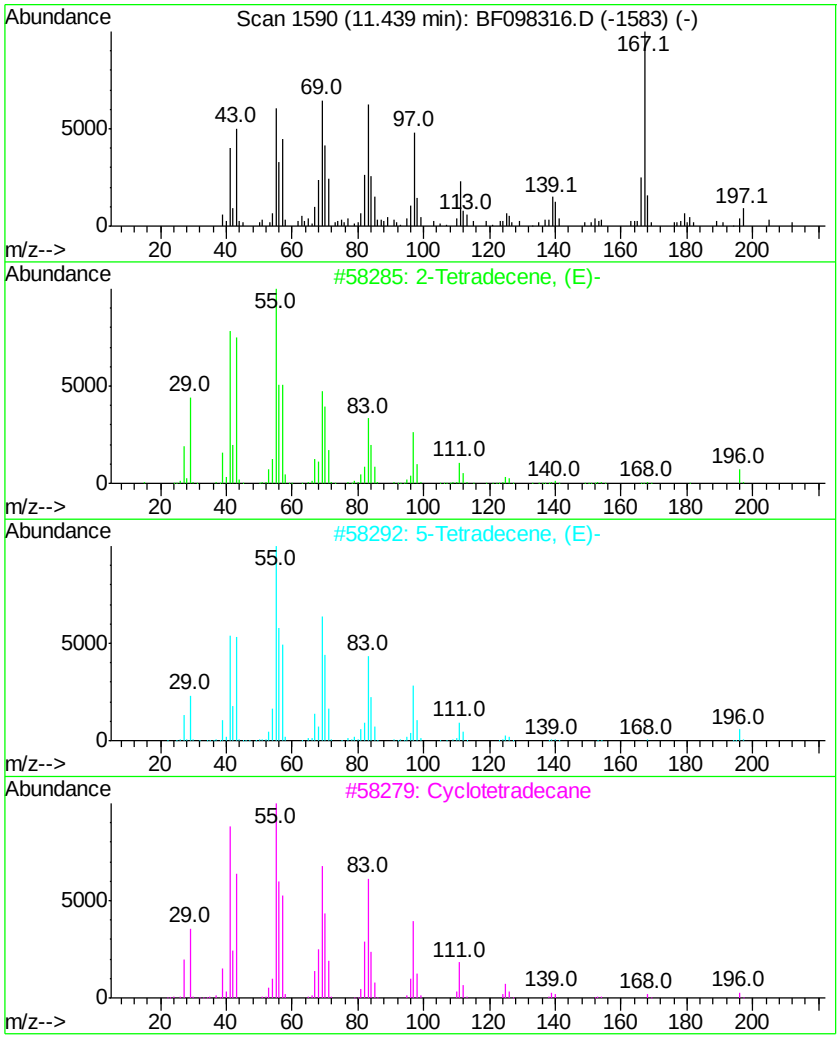
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

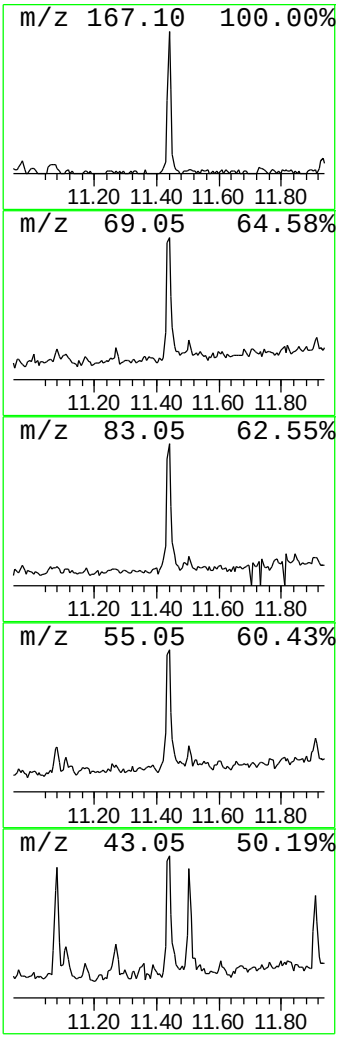
****

Peak Number 6 2-Tetradecene, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	6.39 ng	285920	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Tetradecene, (E)-	196	C14H28	035953-54-9	70
2	5-Tetradecene, (E)-	196	C14H28	041446-66-6	70
3	Cyclotetradecane	196	C14H28	000295-17-0	70
4	1-Hexadecanol	242	C16H34O	036653-82-4	55
5	n-Pentadecanol	228	C15H32O	000629-76-5	55





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Sample : I5075-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 292

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

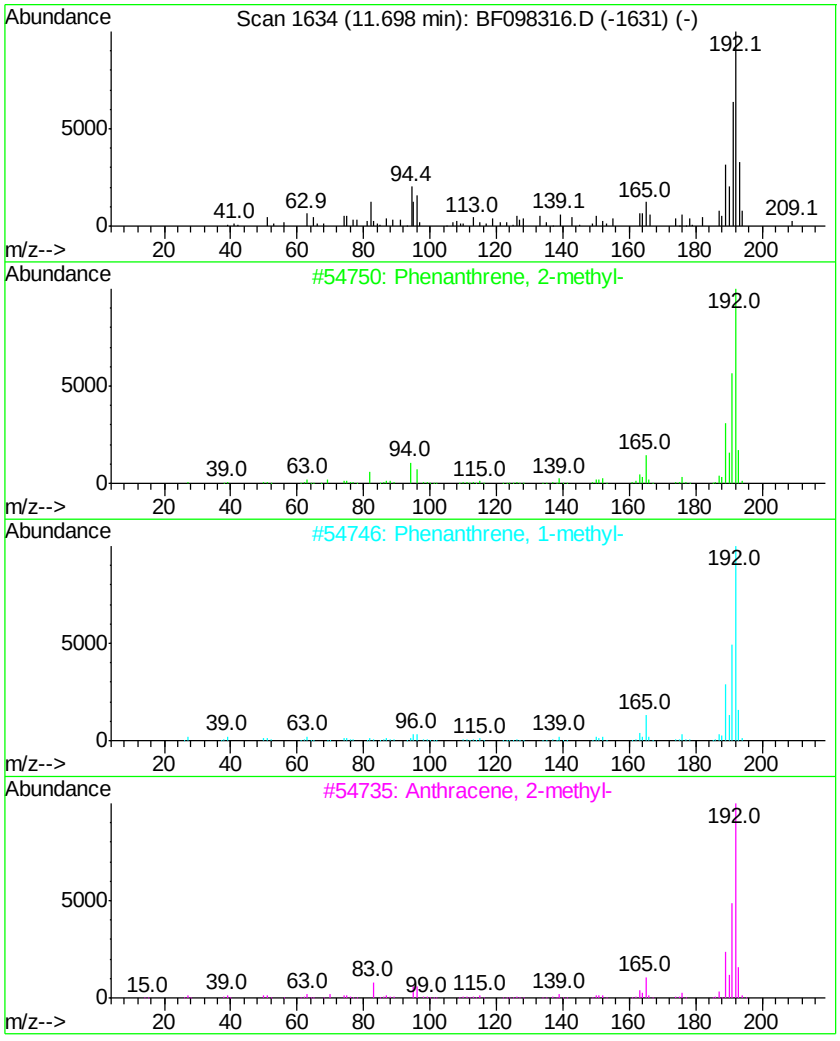
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

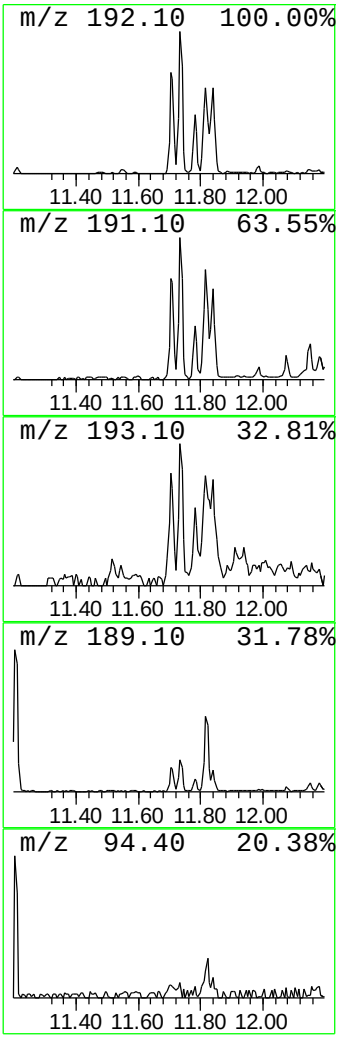
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	2.29 ng	102283	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098316.D
Acq On : 7 Sep 2017 16:25
Operator : SJ/JU
Sample : I5075-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 292

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

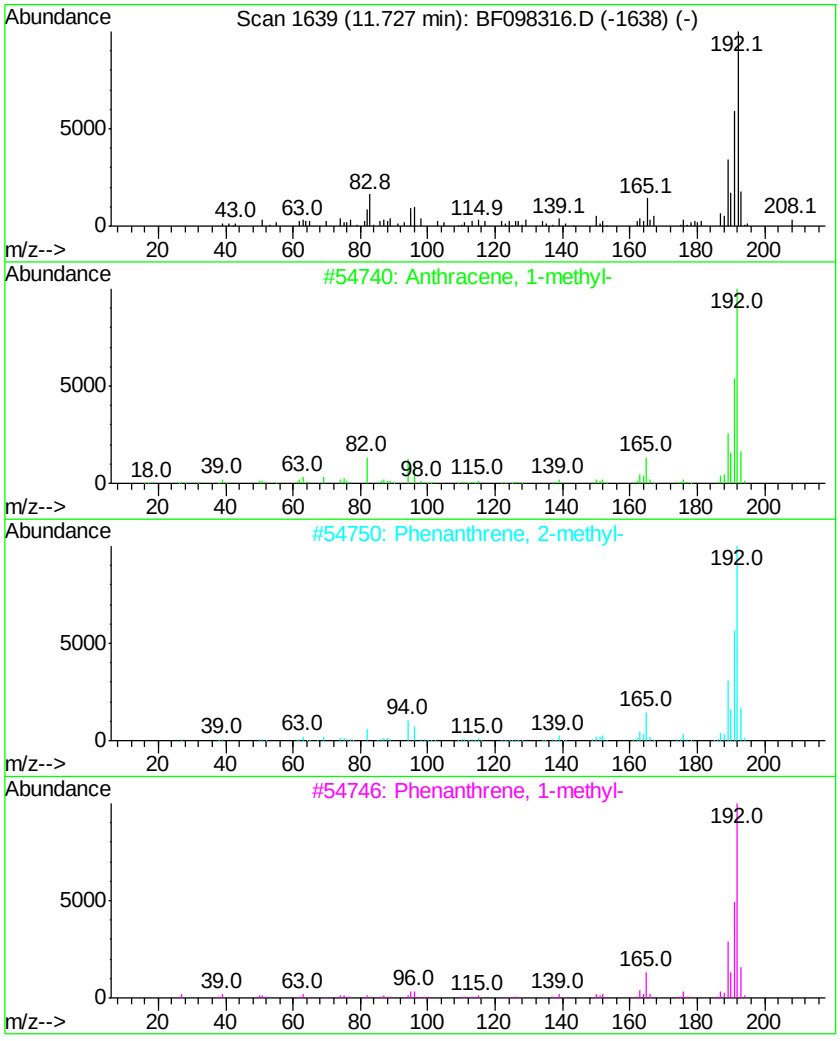
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

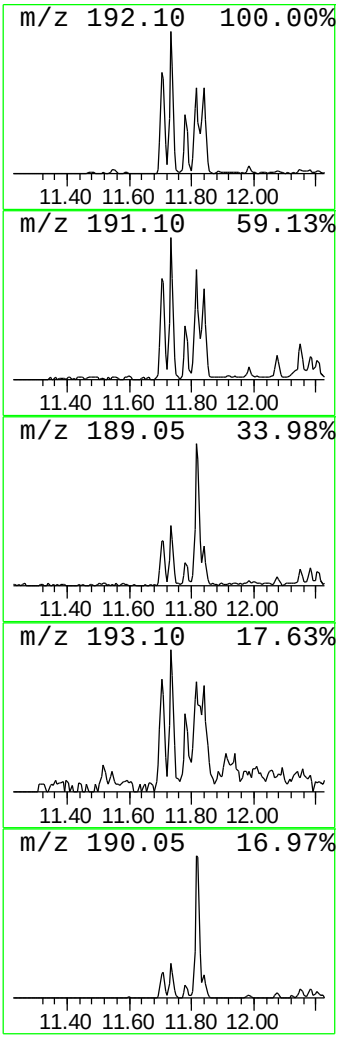
****

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	2.69 ng	120182	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Acq On : 7 Sep 2017 16:25
Operator : SJ/JU
Sample : I5075-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 292

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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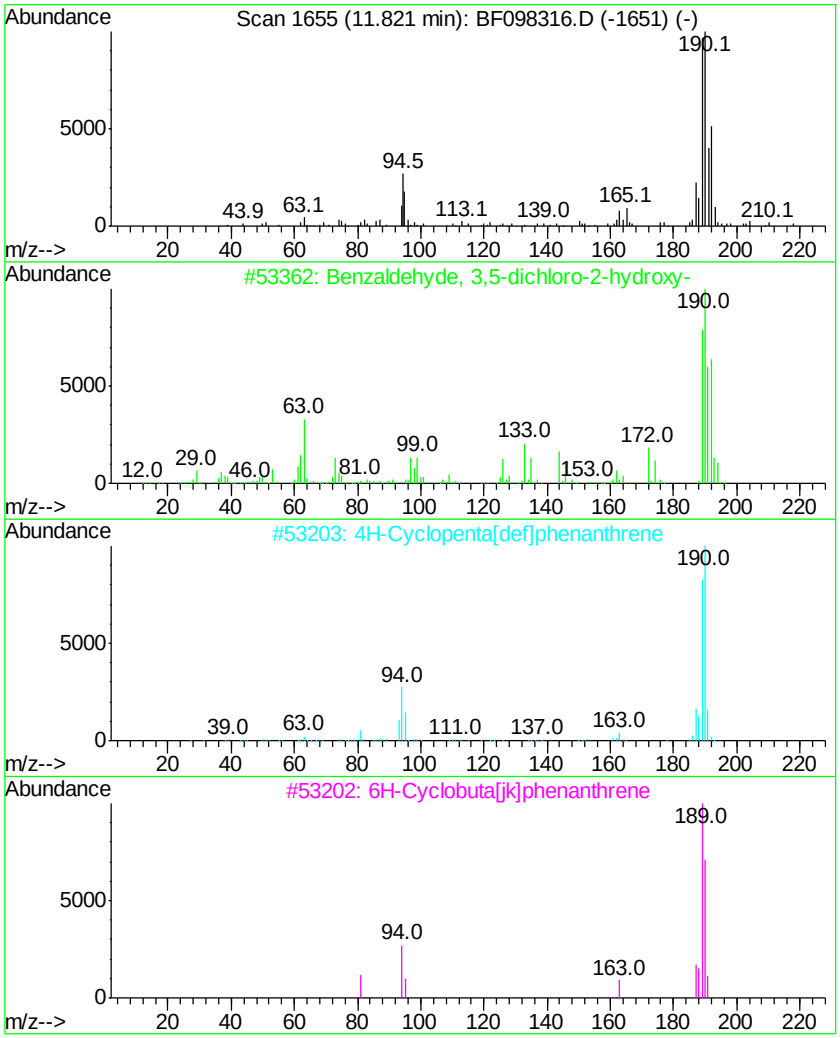
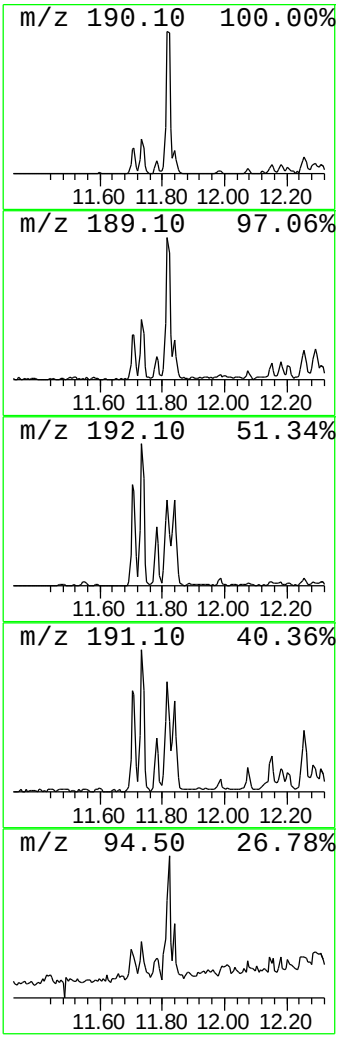
Peak Number 9 Benzaldehyde, 3,5-dichloro-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	4.41 ng	197255	Phenanthrene-d10	11.20

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	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38





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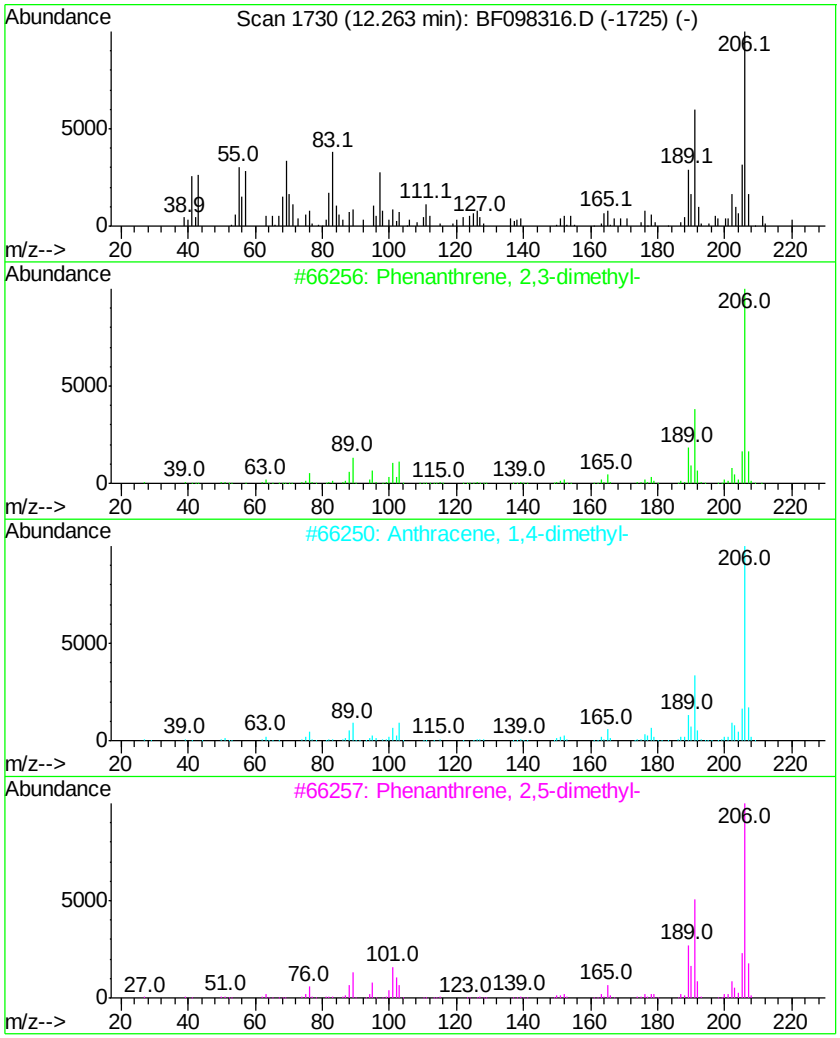
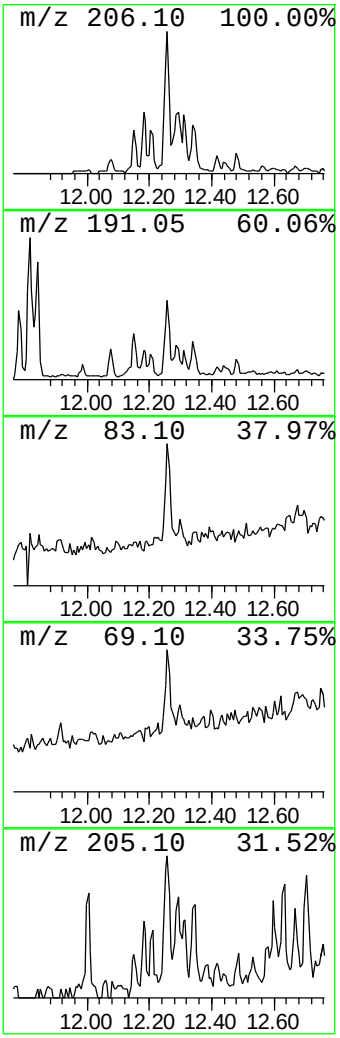
Peak Number 10 Phenanthrene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	3.29 ng	147378	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81





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Instrument : BNA_F
ClientSampleId : 292

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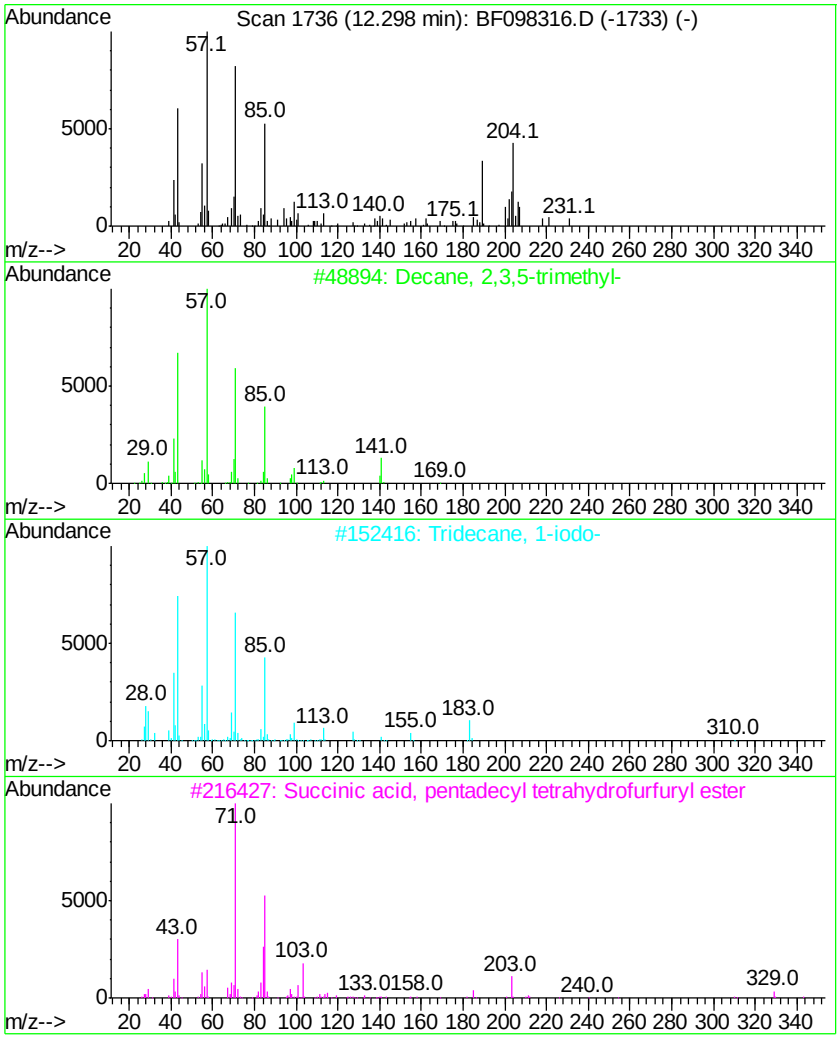
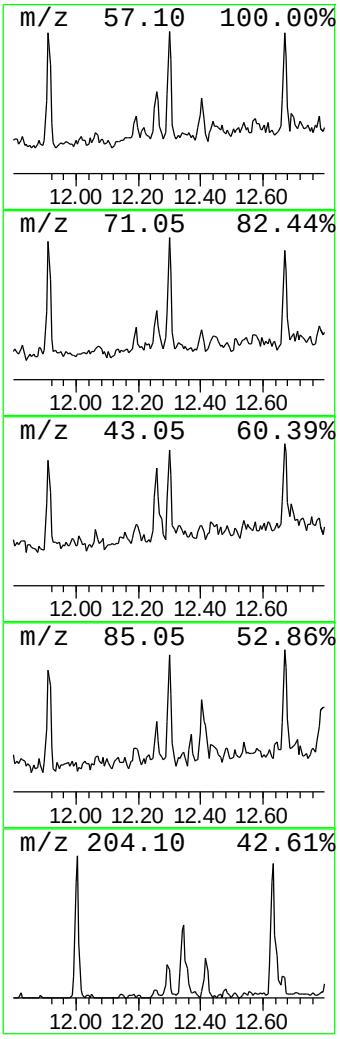
Peak Number 11 unknown12.30 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.26 ng	100961	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	46
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	43
3	Succinic acid, pentadecyl tetrah...	412	C24H44O5	1000329-87-1	43
4	Succinic acid, hexadecyl tetrahy...	426	C25H46O5	1000329-87-2	38
5	Heptacosane	380	C27H56	000593-49-7	38





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Instrument : BNA_F
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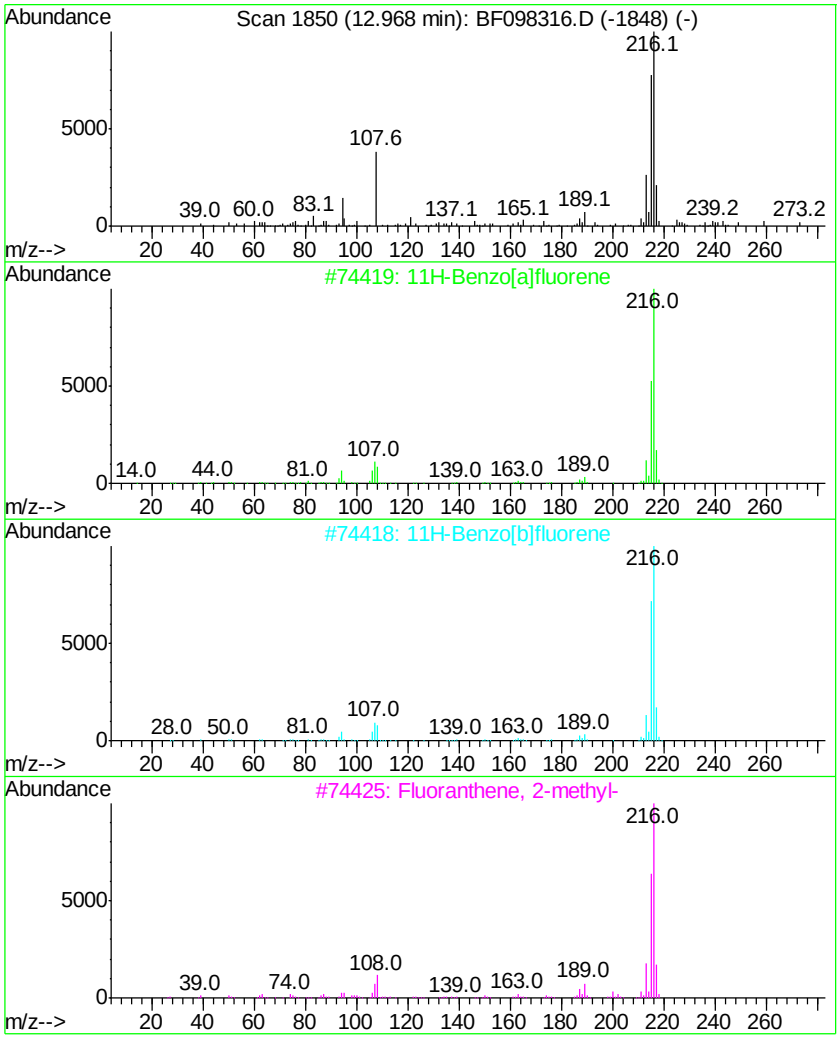
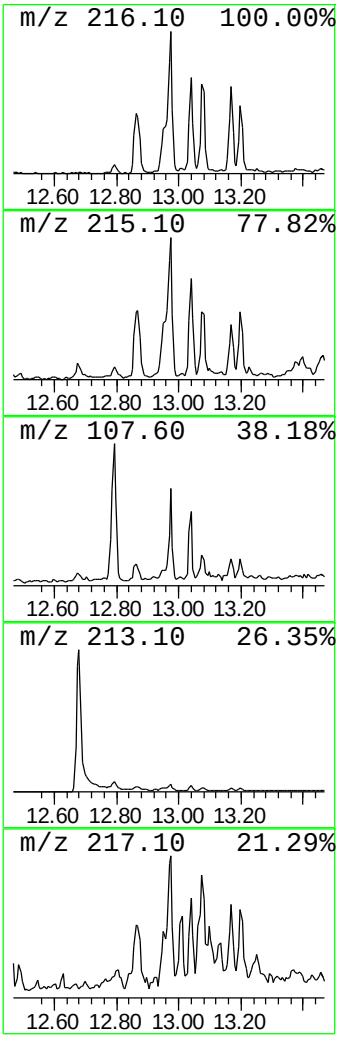
Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	2.24 ng	122056	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72





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Sample : I5075-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
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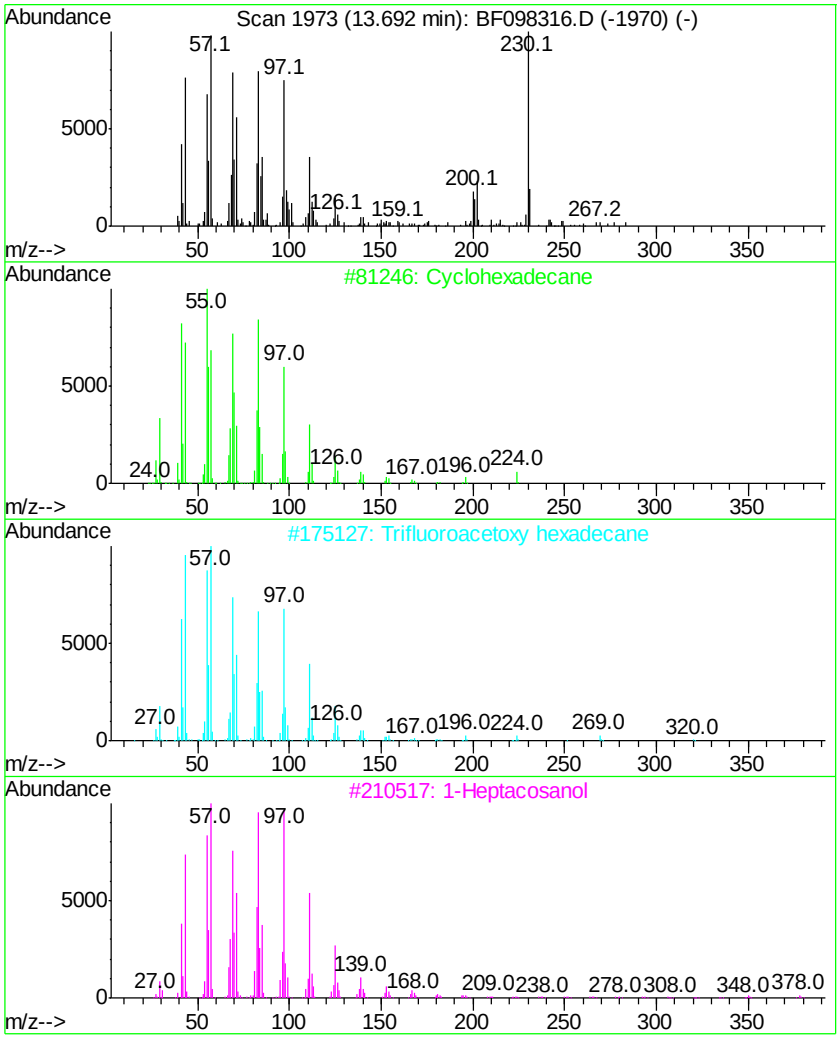
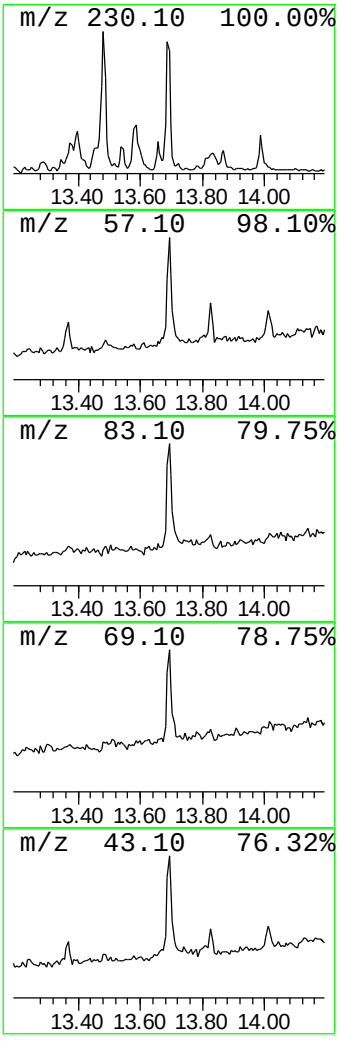
Peak Number 13 Cyclohexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	4.78 ng	260556	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	99
2	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	90
3	1-Heptacosanol	396	C27H56O	002004-39-9	86
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	86
5	Carbonic acid, octadecyl 2,2,2-t...	444	C21H39Cl3O3	1000314-56-3	70





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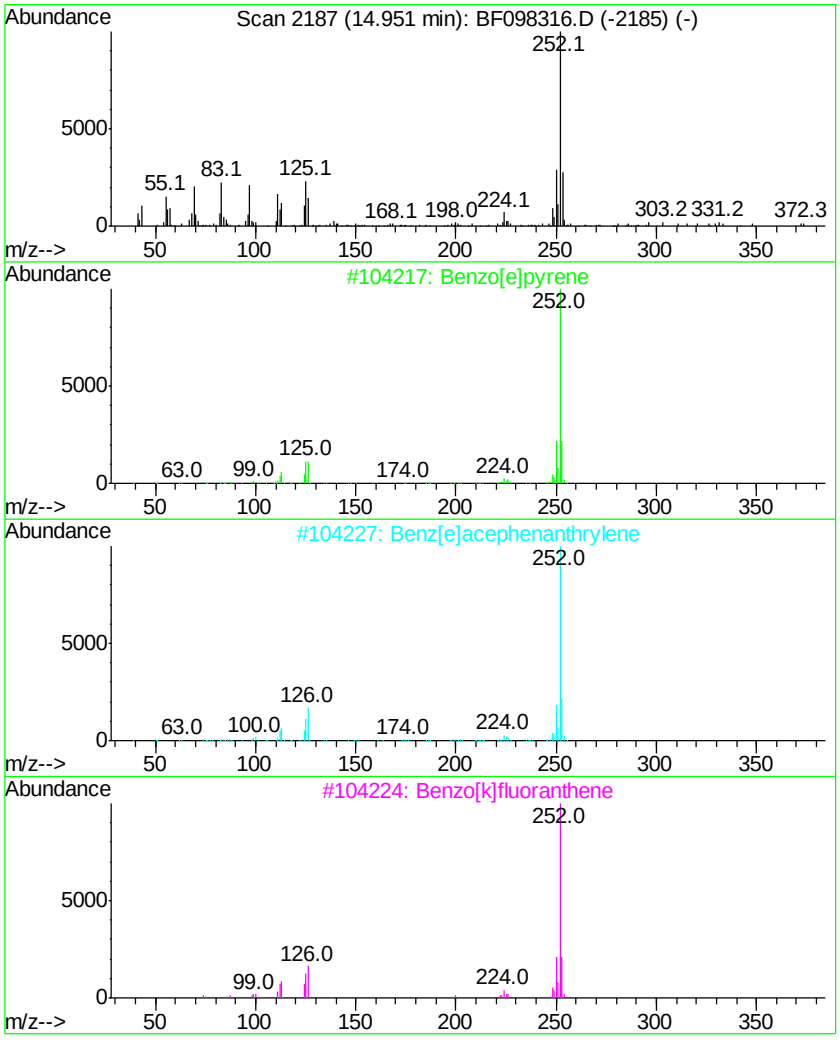
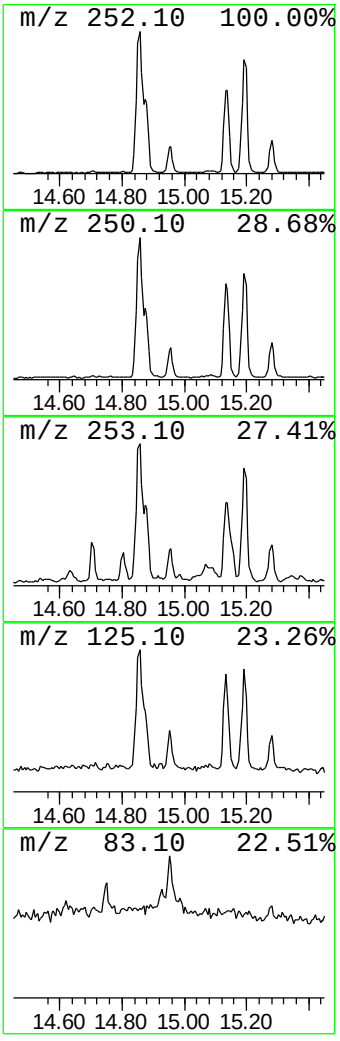
Peak Number 14 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	3.05 ng	91009	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	92
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	92
4	Perylene	252	C20H12	000198-55-0	92
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	83





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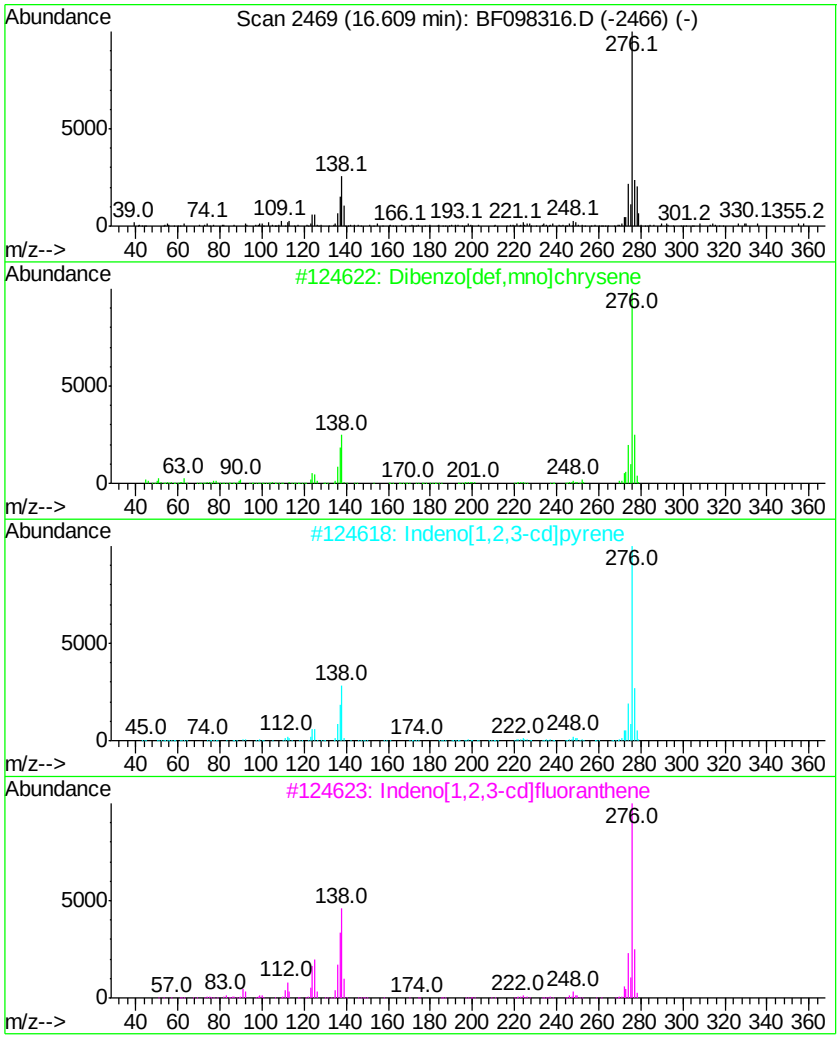
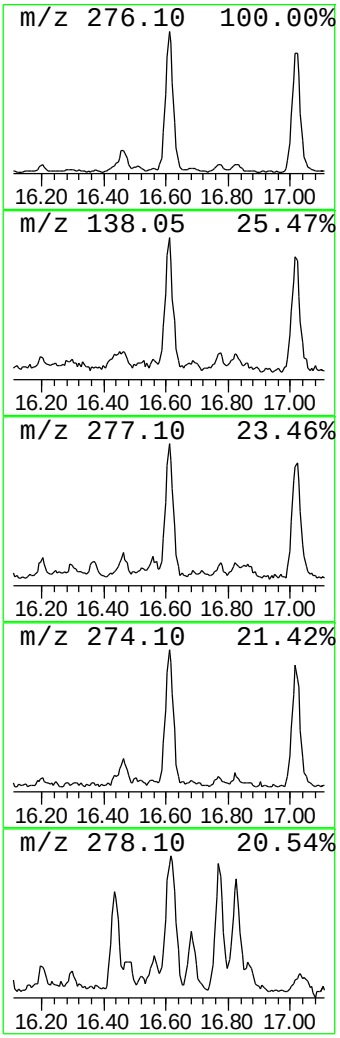
Peak Number 16 Dibenzo[def,mno]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	7.25 ng	216301	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	92
3	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	86
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	86
5	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	43





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 2-methyl...	4.87	9.1	ng	326749	1	6.69	718085	20.0
unknown6.46	6.46	69.1	ng	2482230	1	6.69	718085	20.0
Tridecane	10.63	2.6	ng	115623	4	11.20	894672	20.0
Sulfurous acid, 2...	11.08	2.3	ng	101297	4	11.20	894672	20.0
2-Tetradecene, (E)-	11.44	6.4	ng	285920	4	11.20	894672	20.0
Phenanthrene, 2-m...	11.70	2.3	ng	102283	4	11.20	894672	20.0
Anthracene, 1-met...	11.73	2.7	ng	120182	4	11.20	894672	20.0
Benzaldehyde, 3,5...	11.82	4.4	ng	197255	4	11.20	894672	20.0
Phenanthrene, 2,3...	12.26	3.3	ng	147378	4	11.20	894672	20.0
unknown12.30	12.30	2.3	ng	100961	4	11.20	894672	20.0
11H-Benzo[a]fluorene	12.97	2.2	ng	122056	5	13.84	1090840	20.0
Cyclohexadecane	13.69	4.8	ng	260556	5	13.84	1090840	20.0
Benzo[e]pyrene	14.95	3.0	ng	91009	6	15.26	596495	20.0
Dibenzo[def,mno]c...	16.61	7.3	ng	216301	6	15.26	596495	20.0