LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082605.D
Acq On : 31 Oct 2015 7:21
Operator : UM/IZ
Sample : G4014-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-6

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-BF103015.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	3.904	153	159	162	rBV	1732388	2911089	9.28%	0.496%
2	5.047	253	259	261	rBV3	207479	499952	1.59%	0.085%
3	5.104	261	264	269	rVV	3046269	4432175	14.13%	0.755%
4	5.310	280	282	284	rBV	540838	670441	2.14%	0.114%
5	5.424	288	292	295	rVB2	280863	468819	1.50%	0.080%
6	5.516	295	300	302	rBV	6590373	7861489	25.07%	1.340%
7	5.596	305	307	310	rVB	358901	378002	1.21%	0.064%
8	5.676	312	314	316	rBV2	569579	705263	2.25%	0.120%
9	5.721	316	318	319	rVB	544759	413083	1.32%	0.070%
10	5.767	319	322	325	rVB3	212299	576725	1.84%	0.098%
11	5.824	325	327	330	rBV2	1329012	1653448	5.27%	0.282%
12	5.927	332	336	338	rBV2	1199985	1843223	5.88%	0.314%
13	5.984	338	341	345	rBV2	709247	1532530	4.89%	0.261%
14	6.064	346	348	350	rVB	1717906	1666430	5.31%	0.284%
15	6.121	350	353	355	rBV2	723431	1356796	4.33%	0.231%
16	6.167	355	357	360	rVB	3063799	4019958	12.82%	0.685%
17	6.224	360	362	363	rBV	2489019	2399336	7.65%	0.409%
18	6.259	363	365	366	rVB2	323393	458778	1.46%	0.078%
19	6.350	371	373	375	rBV2	1899584	2767026	8.82%	0.472%
20	6.419	375	379	380	rBV2	2278427	3250737	10.37%	0.554%
21	6.453	380	382	385	rVB	3882411	5245571	16.73%	0.894%
22	6.544	385	390	391	rBV2	5361107	11276652	35.96%	1.922%
23	6.590	391	394	396	rBV3	1431434	1857848	5.92%	0.317%
24	6.682	398	402	404	rBV2	7711736	12685548	40.46%	2.162%
25	6.762	407	409	412	rVB2	7727558	10536404	33.60%	1.796%
26	6.807	412	413	415	rBV2	329006	504111	1.61%	0.086%
27	6.864	415	418	419	rBV2	1265043	2239697	7.14%	0.382%
28	6.910	419	422	423	rBV2	2904602	3728395	11.89%	0.636%
29	6.944	423	425	427	rVB	6811493	6913855	22.05%	1.178%
30	6.979	427	428	430	rVB2	1840756	2515446	8.02%	0.429%
31	7.070	430	436	438	rBV2	8598431	14391990	45.90%	2.453%
32	7.162	441	444	445	rBV3	2087206	3372847	10.76%	0.575%
33	7.207	445	448	449	rBV2	3359787	5387109	17.18%	0.918%
34	7.242	449	451	452	rVB	4583626	4080594	13.01%	0.696%

LSC Area Percent Report

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Data File : BF082605.D
Acq On : 31 Oct 2015 7:21
Operator : UM/IZ
Sample : G4014-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-6

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-BF103015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.276	452	454	456	rBV	5038575	5531563	17.64%	0.943%
36	7.322	456	458	460	rBV	8516629	9185658	29.29%	1.566%
37	7.413	464	466	467	rBV2	492782	554865	1.77%	0.095%
38	7.470	467	471	473	rBV2	6196706	12315495	39.27%	2.099%
39	7.539	473	477	478	rBV	7724387	9643756	30.75%	1.644%
40	7.573	478	480	482	rVB2	3228217	5422037	17.29%	0.924%
41	7.642	482	486	489	rBV2	2848267	6430459	20.51%	1.096%
42	7.733	491	494	499	rVB4	4771245	10235847	32.64%	1.745%
43	7.859	500	505	507	rBV4	5111748	15368035	49.01%	2.620%
44	7.904	507	509	510	rBV	2469579	4009088	12.79%	0.683%
45	7.939	510	512	514	rVV2	2506000	3290634	10.49%	0.561%
46	7.984	514	516	518	rVB2	2987842	4780467	15.25%	0.815%
47	8.030	518	520	524	rVB4	4234509	9863079	31.45%	1.681%
48	8.122	526	528	530	rBV2	1291250	1712687	5.46%	0.292%
49	8.213	530	536	539	rBV3	8839437	30068322	95.89%	5.125%
50	8.305	541	544	550	rVB	8463549	21283581	67.87%	3.628%
51	8.407	550	553	554	rBV2	3671782	7543465	24.06%	1.286%
52	8.522	560	563	567	rBV6	6402491	19843628	63.28%	3.382%
53	8.670	573	576	580	rVB	10448031	18513483	59.04%	3.156%
54	8.842	588	591	593	rBV2	5121117	10715048	34.17%	1.826%
55	8.990	601	604	605	rBV3	2460723	4841757	15.44%	0.825%
56	9.276	625	629	635	rVB4	9998861	23898952	76.22%	4.074%
57	9.413	637	641	643	rBV3	8162526	20425106	65.14%	3.482%
58	9.573	652	655	658	rBV3	3215418	7827935	24.96%	1.334%
59	9.665	658	663	666	rVV6	5027028	20548162	65.53%	3.503%
60	9.733	666	669	675	rVB3	10706946	31357088	100.00%	5.345%
61	9.985	689	691	695	rBV4	4503524	8028038	25.60%	1.368%
62	10.202	705	710	712	rBV5	5967447	15526900	49.52%	2.647%
63	10.270	714	716	718	rVB2	4973200	6839501	21.81%	1.166%
64	10.670	747	751	753	rBV	9576276	17085315	54.49%	2.912%
65	10.945	770	775	777	rBV2	10219864	22571504	71.98%	3.847%
66	11.368	810	812	813	rBV	3406615	4433594	14.14%	0.756%
67	11.402	813	815	818	rVB	10484907	15639046	49.87%	2.666%
68	11.791	847	849	850	rBV	3941307	3711321	11.84%	0.633%
69	12.191	882	884	885	rBV	3078759	2255535	7.19%	0.384%
70	12.465	906	908	911	rVB2	4423006	7824196	24.95%	1.334%
71	12.534	911	914	916	rVV2	4736761	7673370	24.47%	1.308%

LSC Area Percent Report

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Data File : BF082605.D
Acq On : 31 Oct 2015 7:21
Operator : UM/IZ
Sample : G4014-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-6

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-BF103015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.568	916	917	920	rVB2	4422414	4149821	13.23%	0.707%
73	12.934	945	949	951	rVV2	3990482	5767686	18.39%	0.983%
74	12.968	951	952	955	rVV2	2786850	3808660	12.15%	0.649%
75	13.048	957	959	964	rVB	6851727	11151593	35.56%	1.901%
76	13.334	982	984	989	rVB4	1495364	3520419	11.23%	0.600%
77	13.494	996	998	1000	rVB	1073559	1233498	3.93%	0.210%
78	13.619	1007	1009	1012	rVB2	814003	997879	3.18%	0.170%
79	13.939	1034	1037	1043	rVB	1077082	2240004	7.14%	0.382%
80	14.088	1048	1050	1052	rVB	1112673	1286193	4.10%	0.219%
81	15.540	1174	1177	1180	rVB	934411	1112721	3.55%	0.190%

Sum of corrected areas: 586668358

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082605.D
Acq On : 31 Oct 2015 7:21
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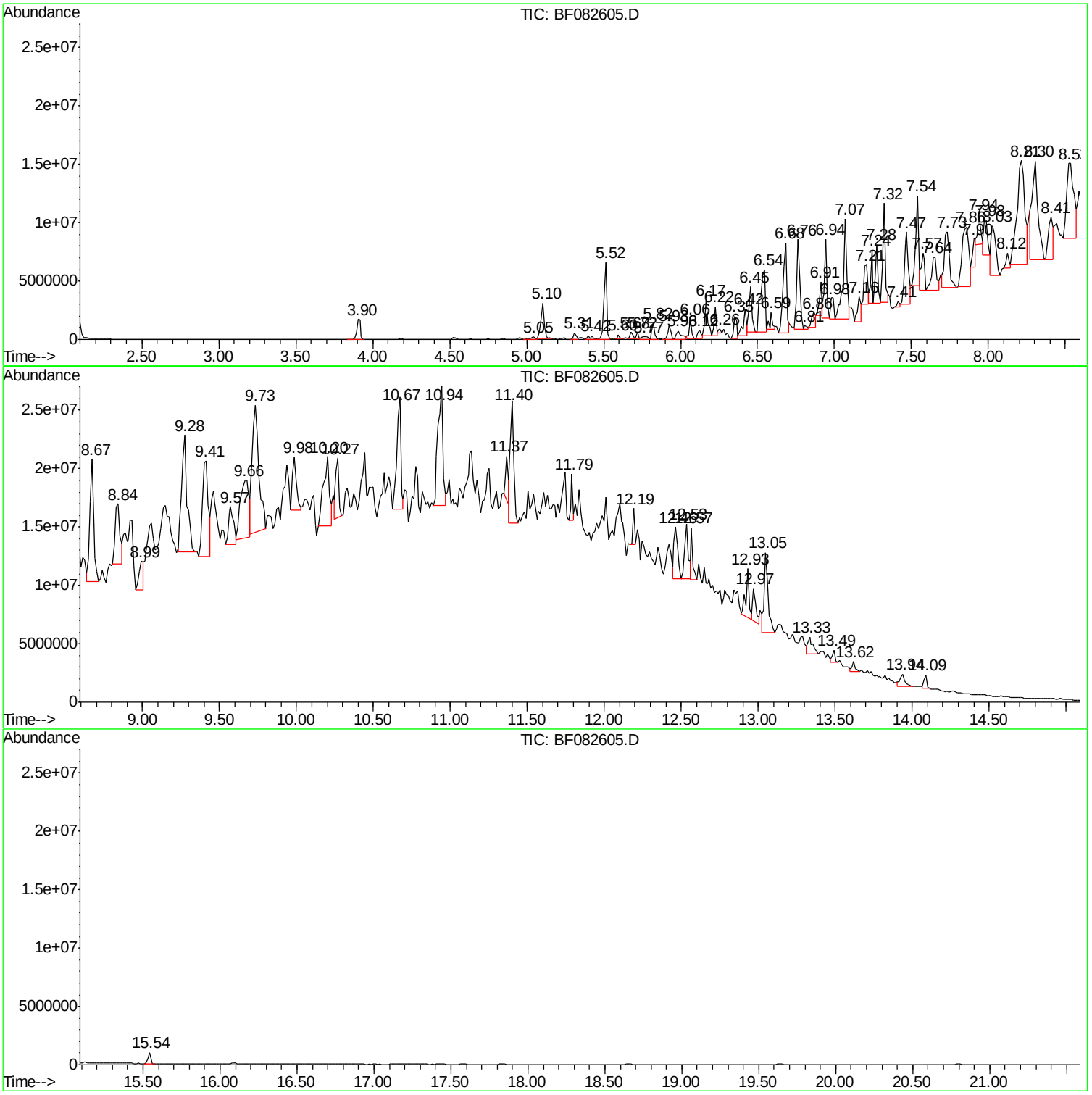
Sample : G4014-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082605.D
Acq On : 31 Oct 2015 7:21
Operator : UM/IZ
Sample : G4014-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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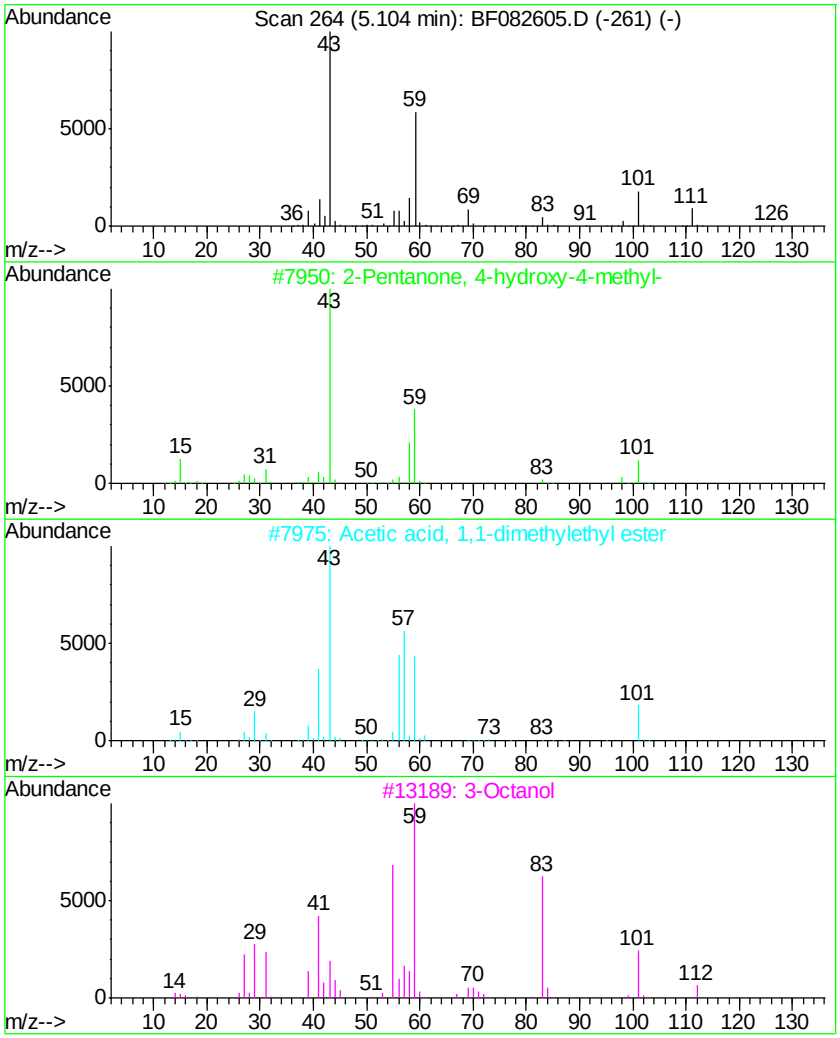
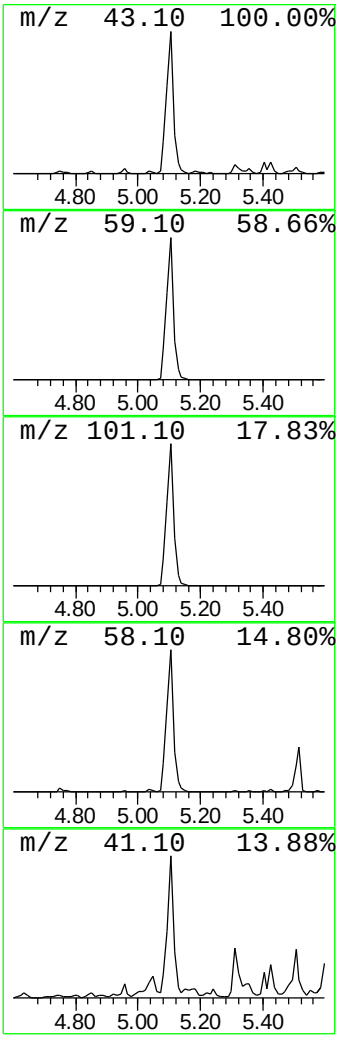
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	23.78 ng	4432180	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	33
3	3-Octanol	130	C8H18O	000589-98-0	28
4	Ethanol, pentamethyl-	116	C7H16O	000594-83-2	23
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082605.D
Acq On : 31 Oct 2015 7:21
Operator : UM/IZ
Sample : G4014-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

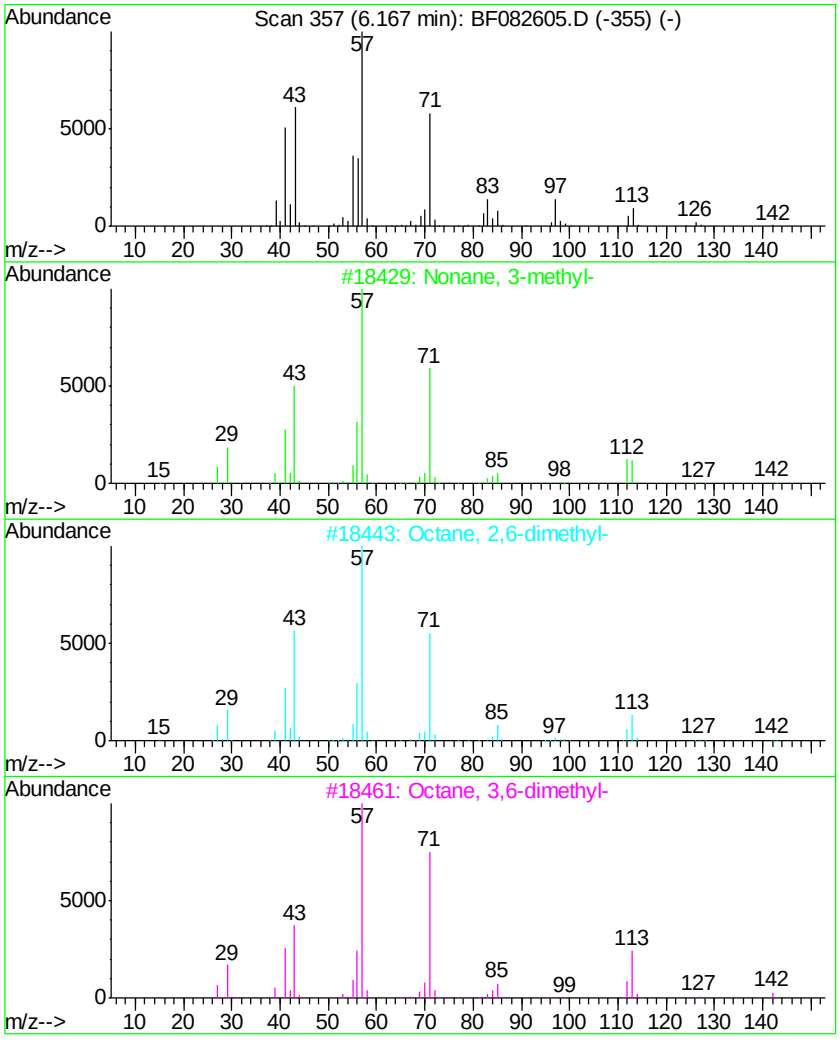
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

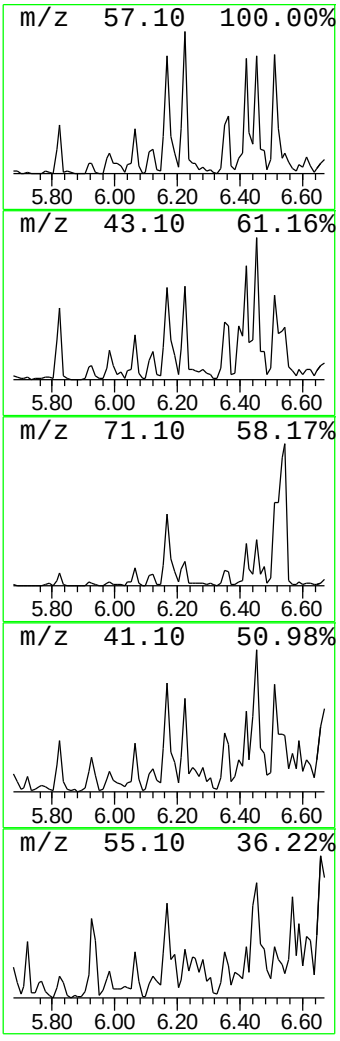
****

Peak Number 2 Nonane, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	21.56 ng	4019960	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	81
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	76
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
4	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	59
5	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082605.D
Acq On : 31 Oct 2015 7:21
Operator : UM/IZ
Sample : G4014-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

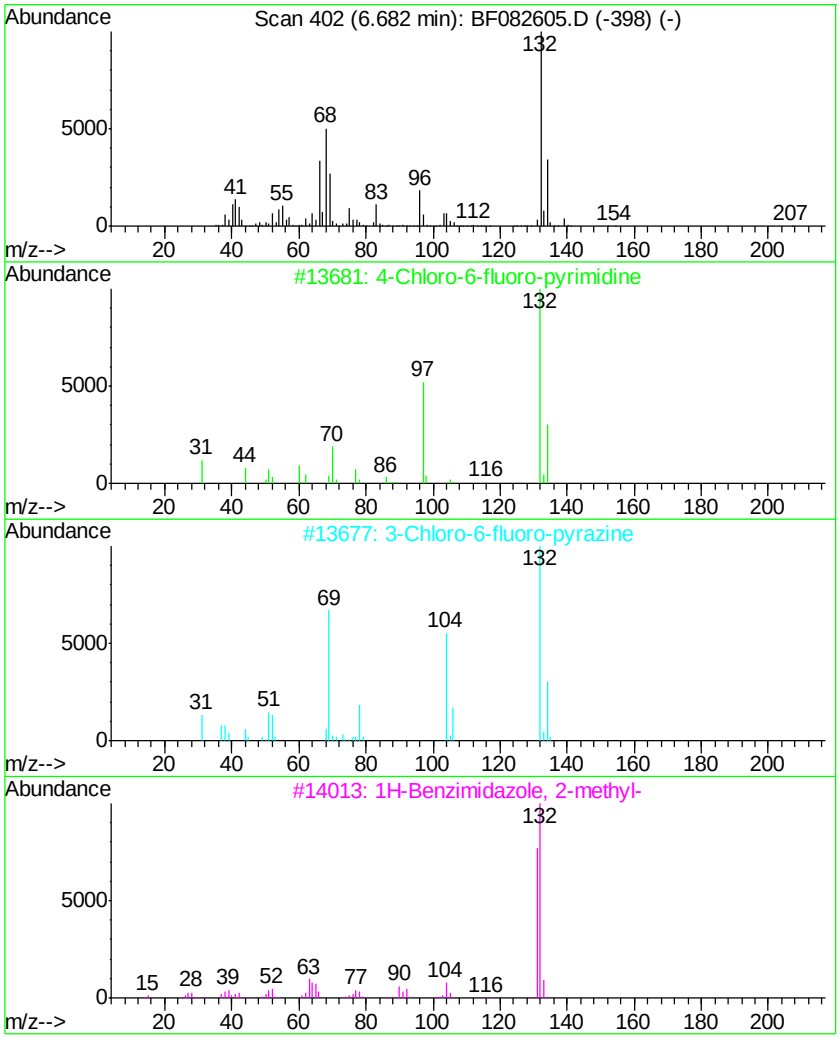
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

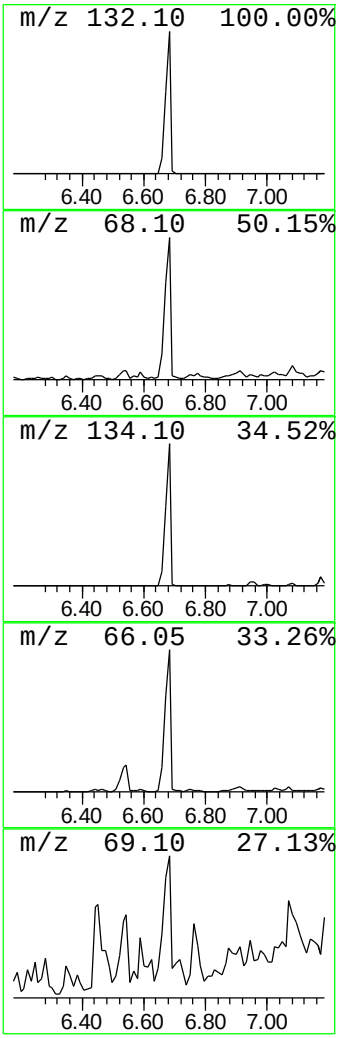
****

Peak Number 4 unknown6.68 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	68.05 ng	12685500	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
5	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	11





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082605.D
Acq On : 31 Oct 2015 7:21
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Sample : G4014-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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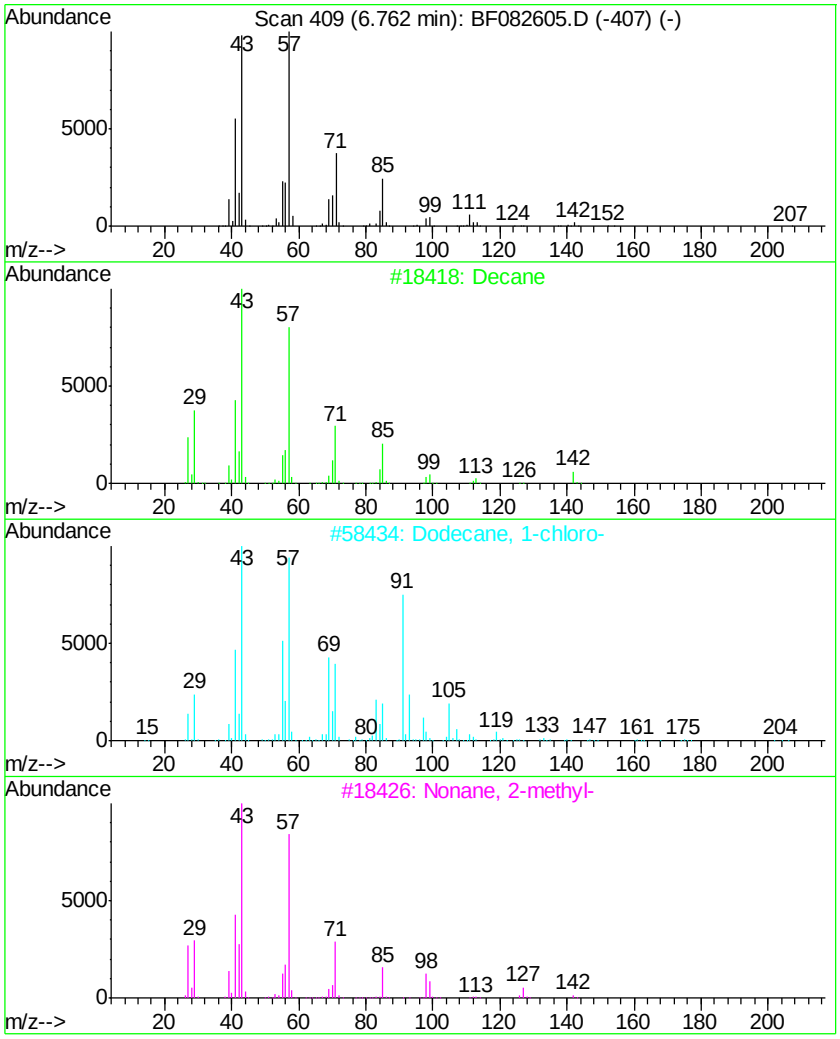
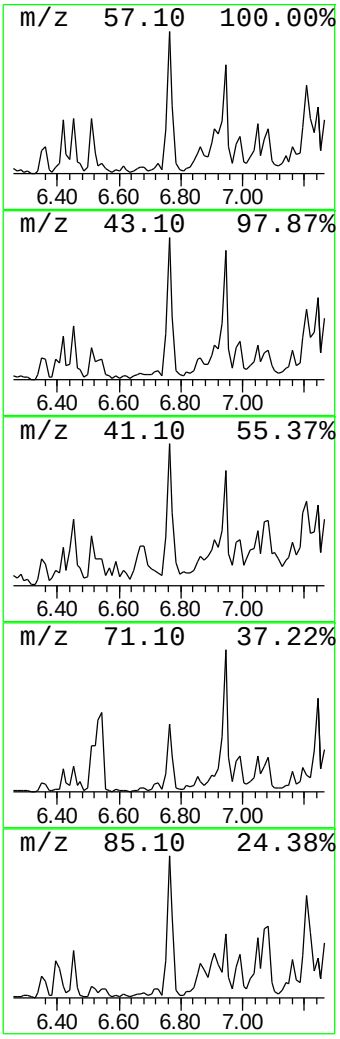
Peak Number 5 Decane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	56.52 ng	10536400	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	80
2	Dodecane, 1-chloro-	204	C12H25Cl	000112-52-7	64
3	Nonane, 2-methyl-	142	C10H22	000871-83-0	64
4	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	64
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	58





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082605.D
Acq On : 31 Oct 2015 7:21
Operator : UM/IZ
Sample : G4014-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

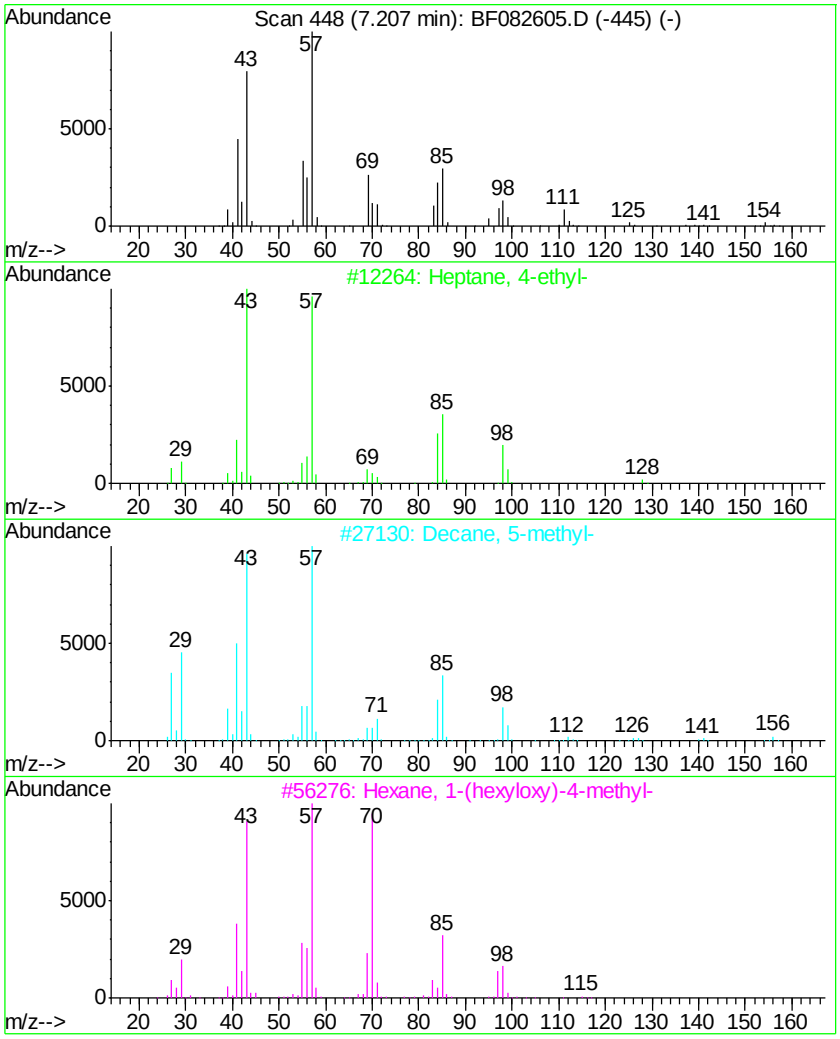
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

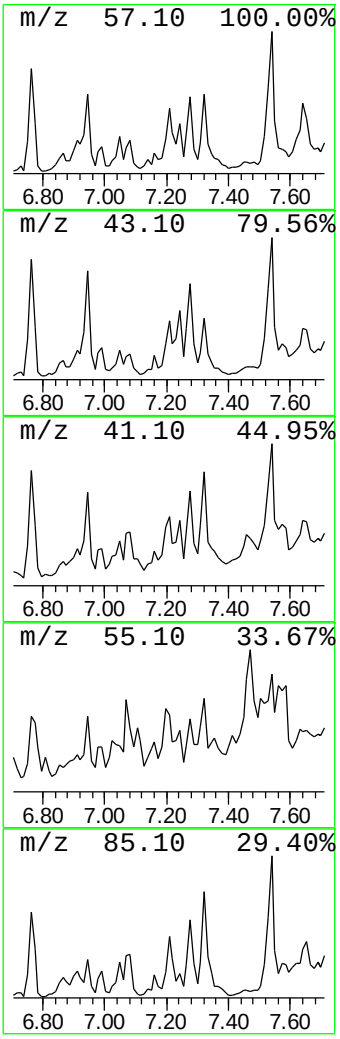
****

Peak Number 7 Heptane, 4-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	28.90 ng	5387110	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-ethyl-	128	C9H20	002216-32-2	50
2	Decane, 5-methyl-	156	C11H24	013151-35-4	50
3	Hexane, 1-(hexyloxy)-4-methyl-	200	C13H28O	074421-20-8	47
4	Pentane, 3-ethyl-2,3-dimethyl-	128	C9H20	016747-33-4	43
5	1-Dodecene	168	C12H24	000112-41-4	35





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082605.D
Acq On : 31 Oct 2015 7:21
Operator : UM/IZ
Sample : G4014-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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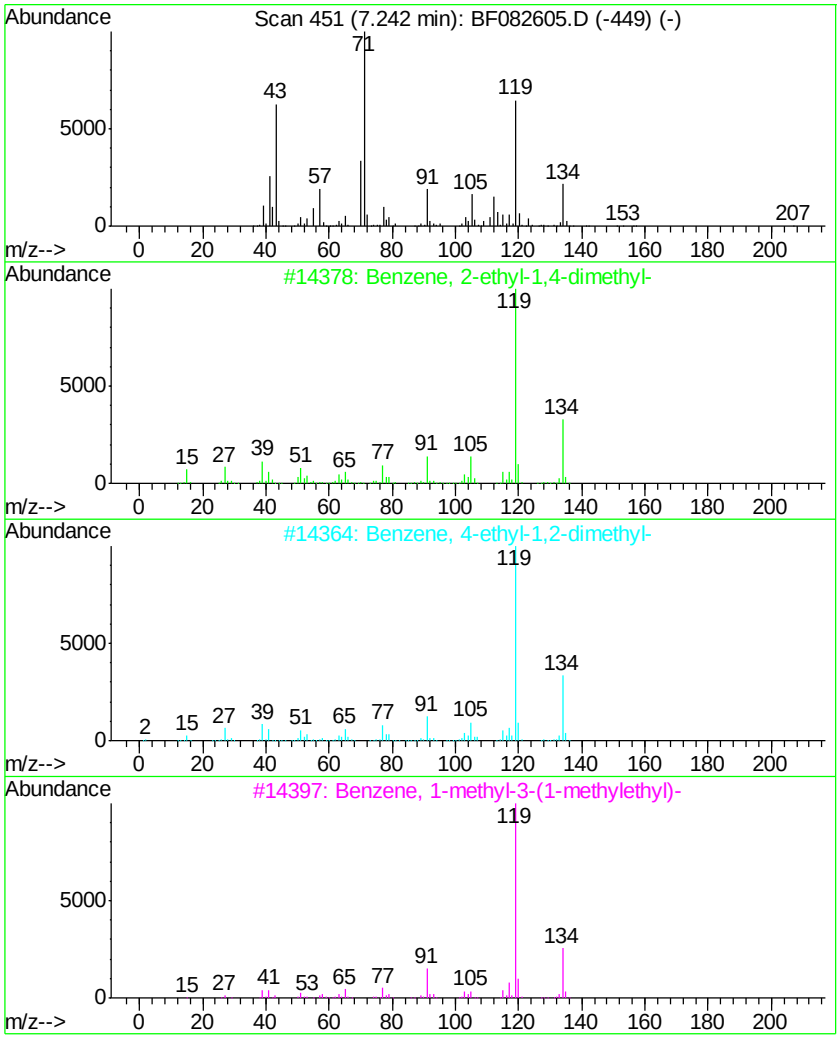
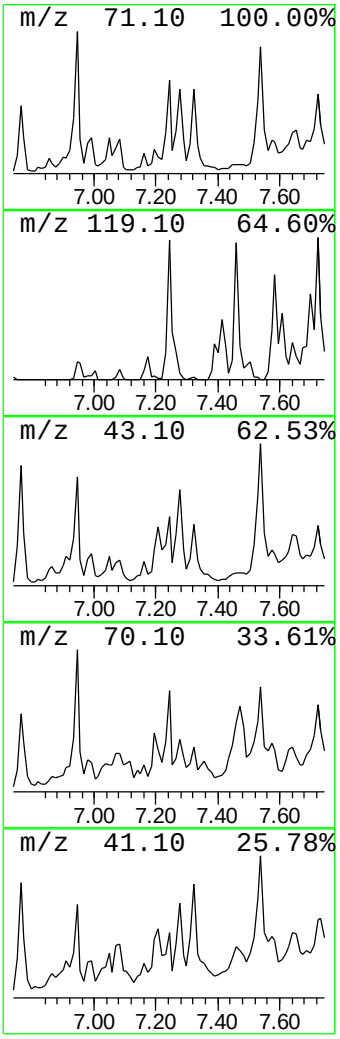
Peak Number 8 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.24	21.89 ng	4080590	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	78
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	74
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	38
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082605.D
Acq On : 31 Oct 2015 7:21
Operator : UM/IZ
Sample : G4014-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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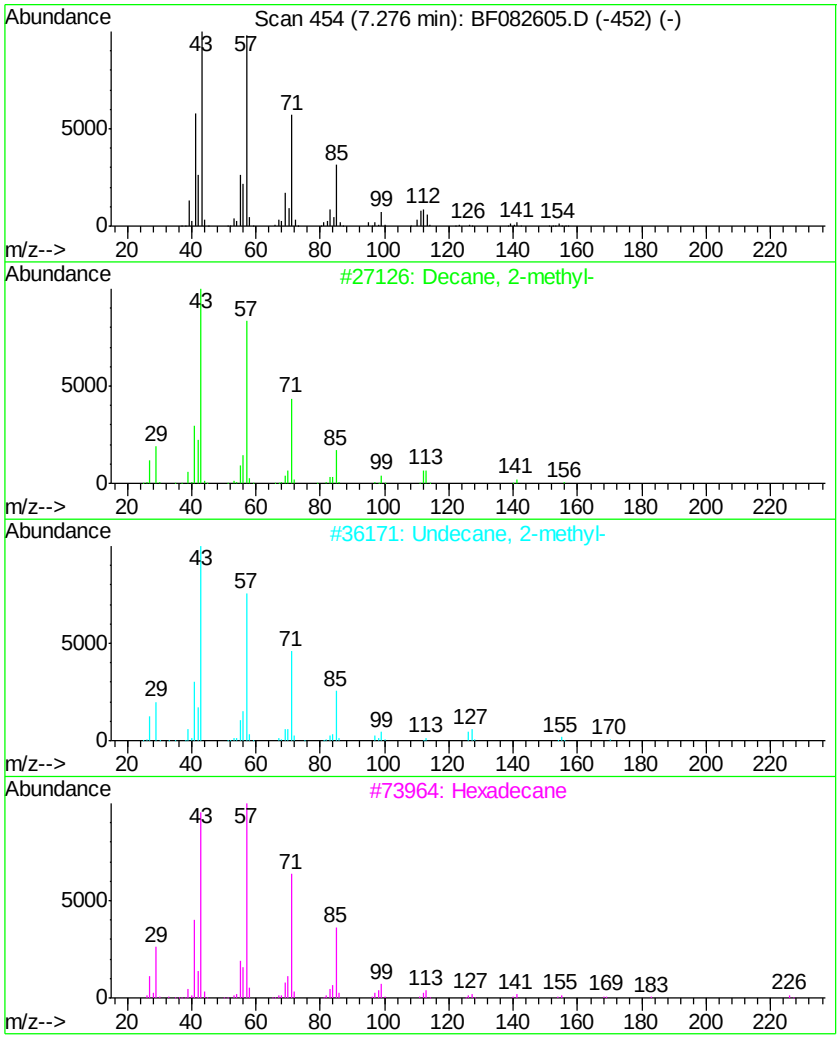
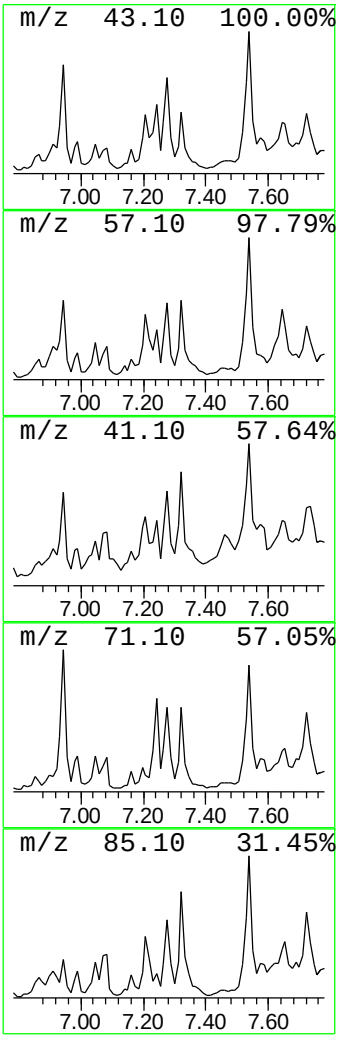
Peak Number 9 Decane, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.28	29.67 ng	5531560	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	90
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	64
3	Hexadecane	226	C16H34	000544-76-3	59
4	Eicosane	282	C20H42	000112-95-8	59
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	58





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Acq On : 31 Oct 2015 7:21
Operator : UM/IZ
Sample : G4014-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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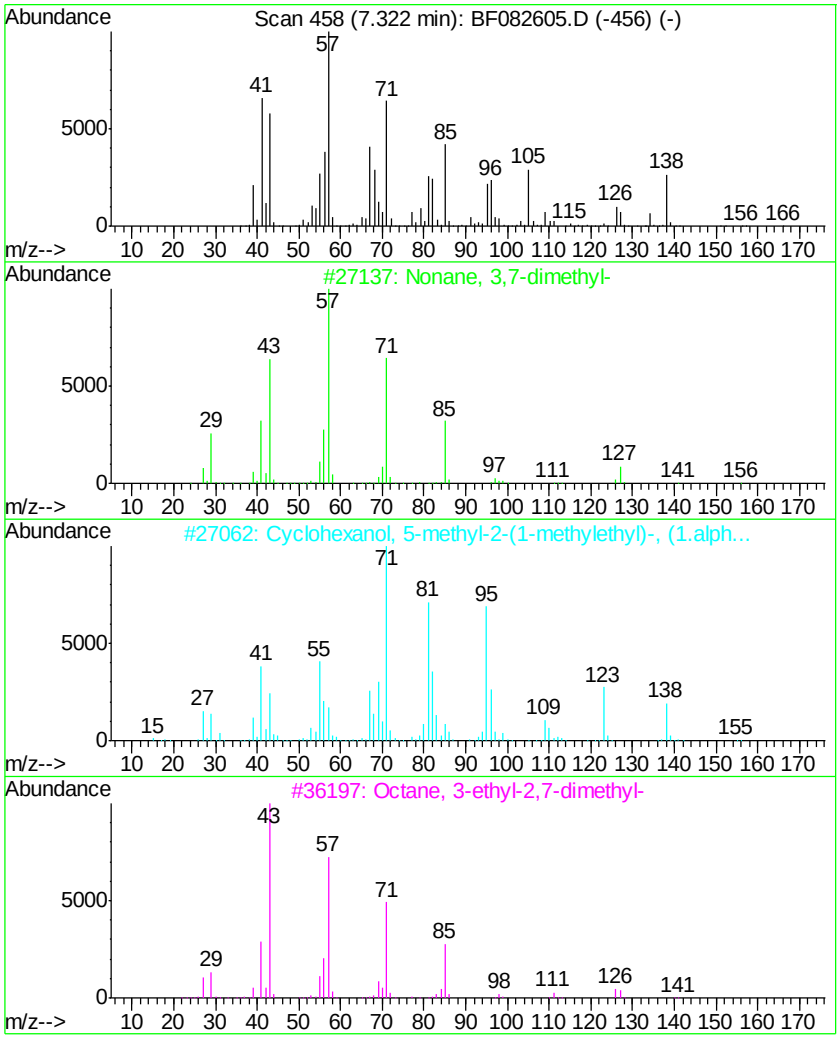
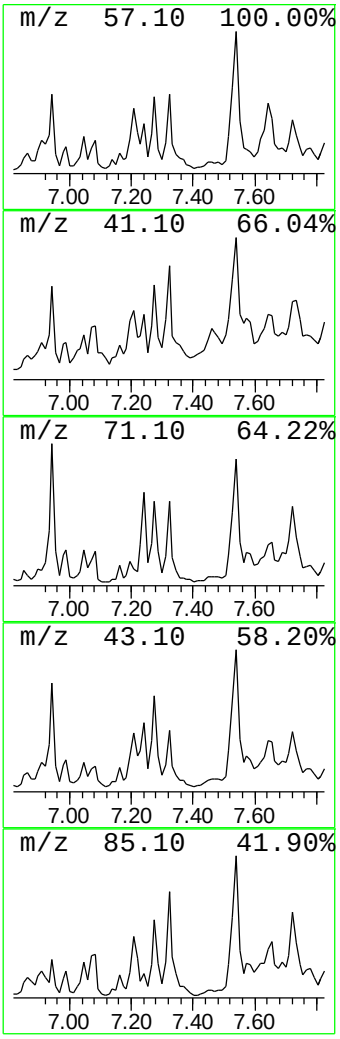
Peak Number 10 unknown7.32 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	49.27 ng	9185660	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	38
2	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000089-78-1	38
3	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	35
4	2-Decen-1-ol, (E)-	156	C10H20O	018409-18-2	30
5	Decane, 3-methyl-	156	C11H24	013151-34-3	27





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Sample : G4014-07
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Instrument : BNA_F
ClientSampleId : SC-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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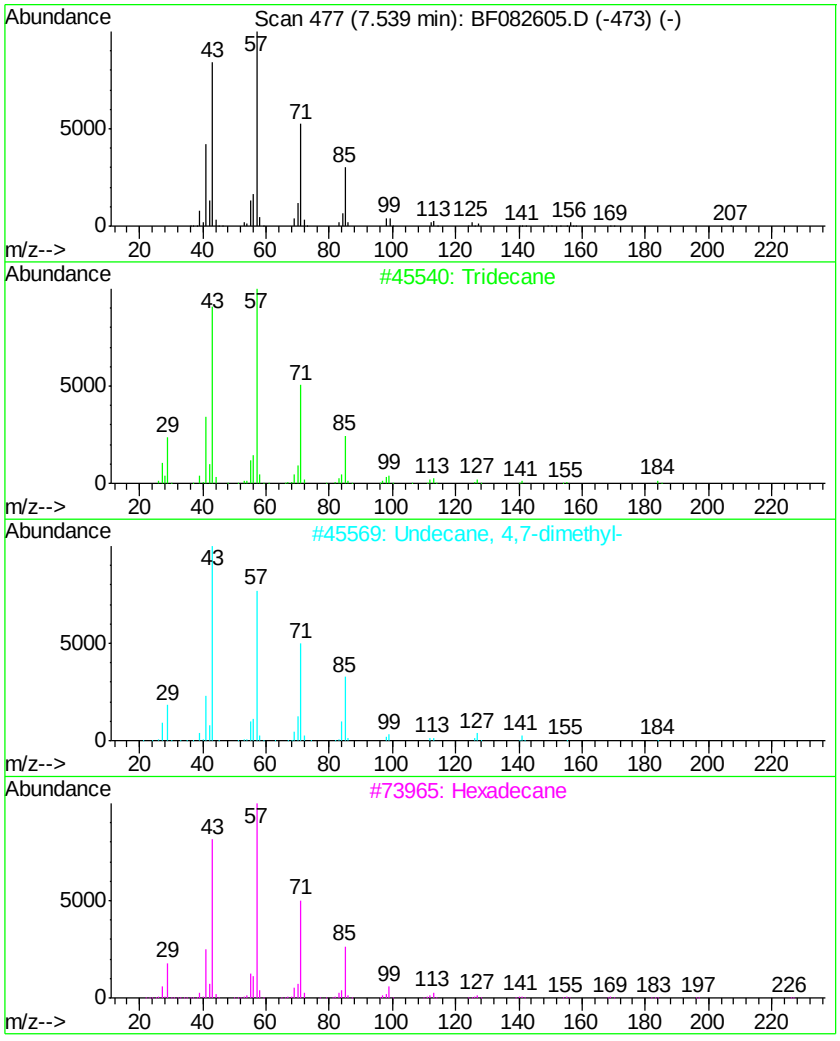
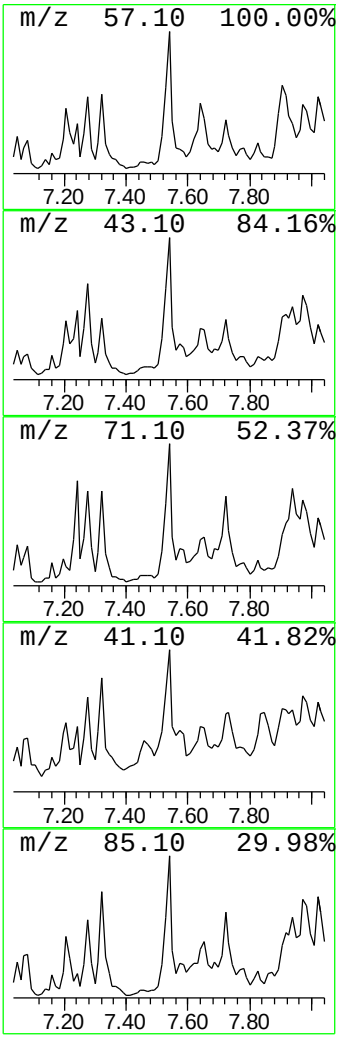
Peak Number 11 Tridecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	51.73 ng	9643760	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	86
2	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	72
3	Hexadecane	226	C16H34	000544-76-3	64
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	64
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64





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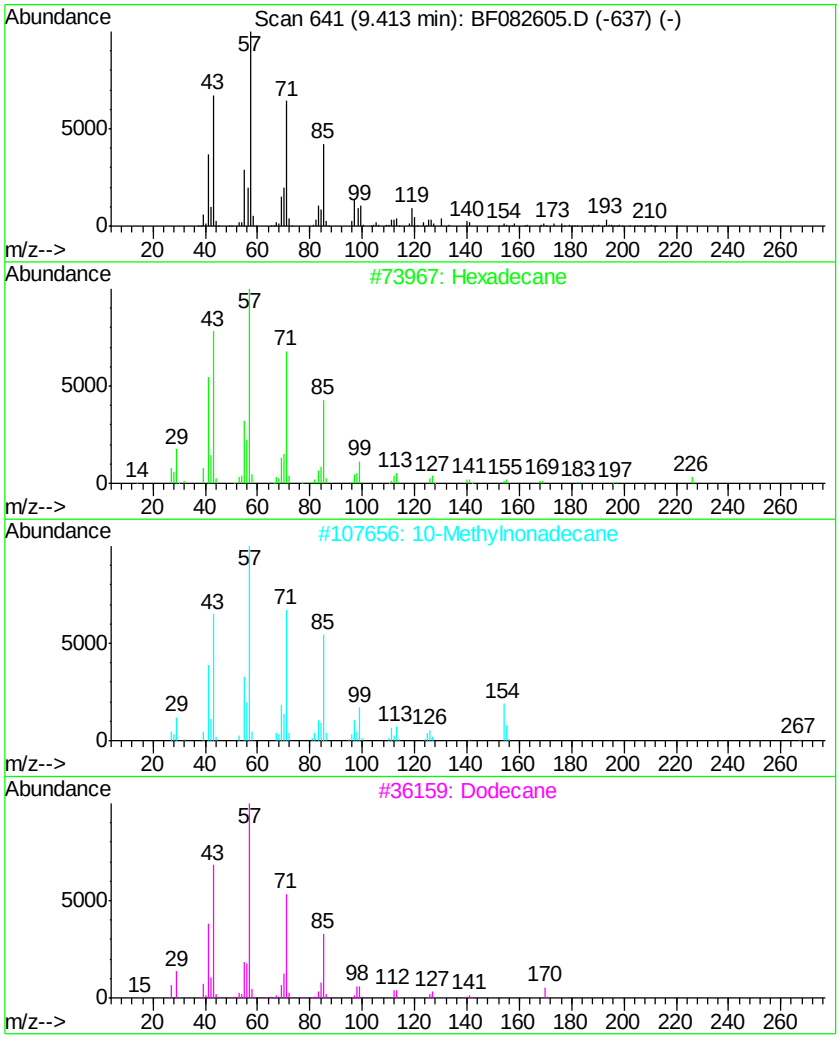
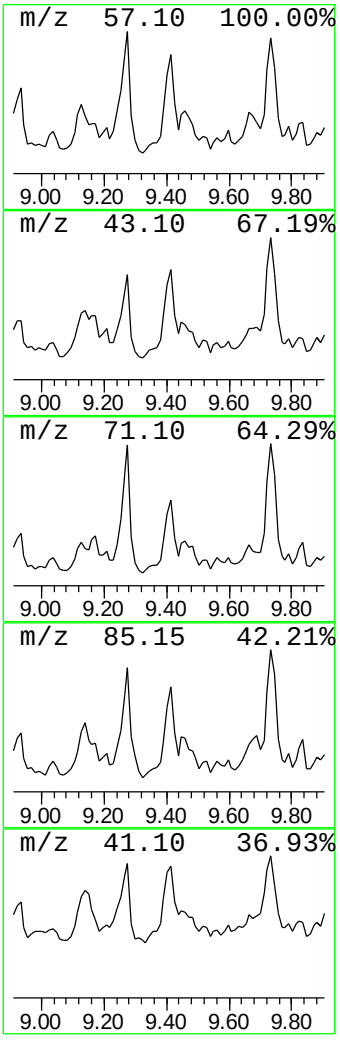
Peak Number 12 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	50.88 ng	20425100	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	10-Methylnonadecane	282	C20H42	056862-62-5	74
3	Dodecane	170	C12H26	000112-40-3	72
4	Tridecane	184	C13H28	000629-50-5	72
5	Nonadecane	268	C19H40	000629-92-5	64





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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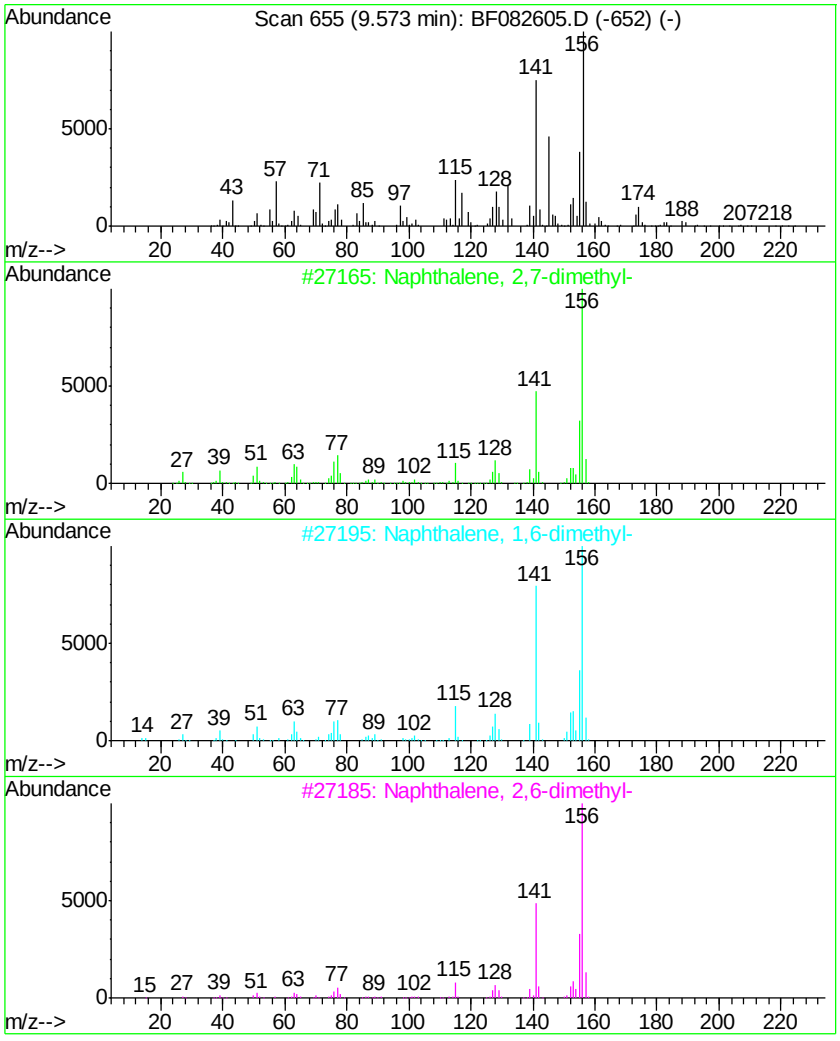
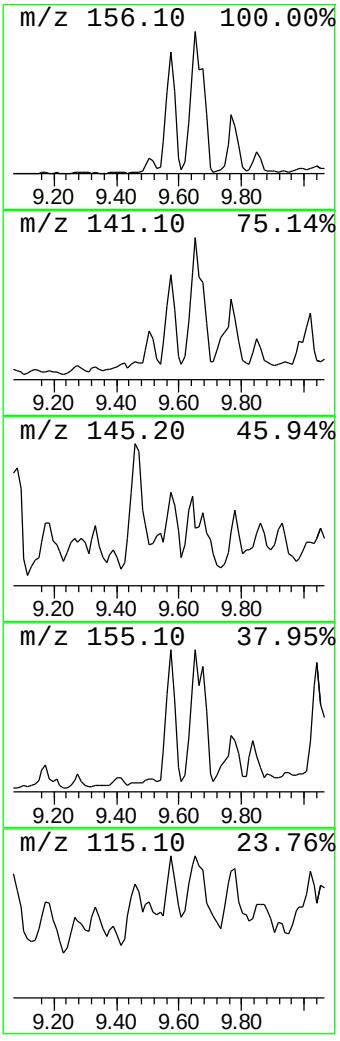
Peak Number 13 Naphthalene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	19.50 ng	7827940	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93





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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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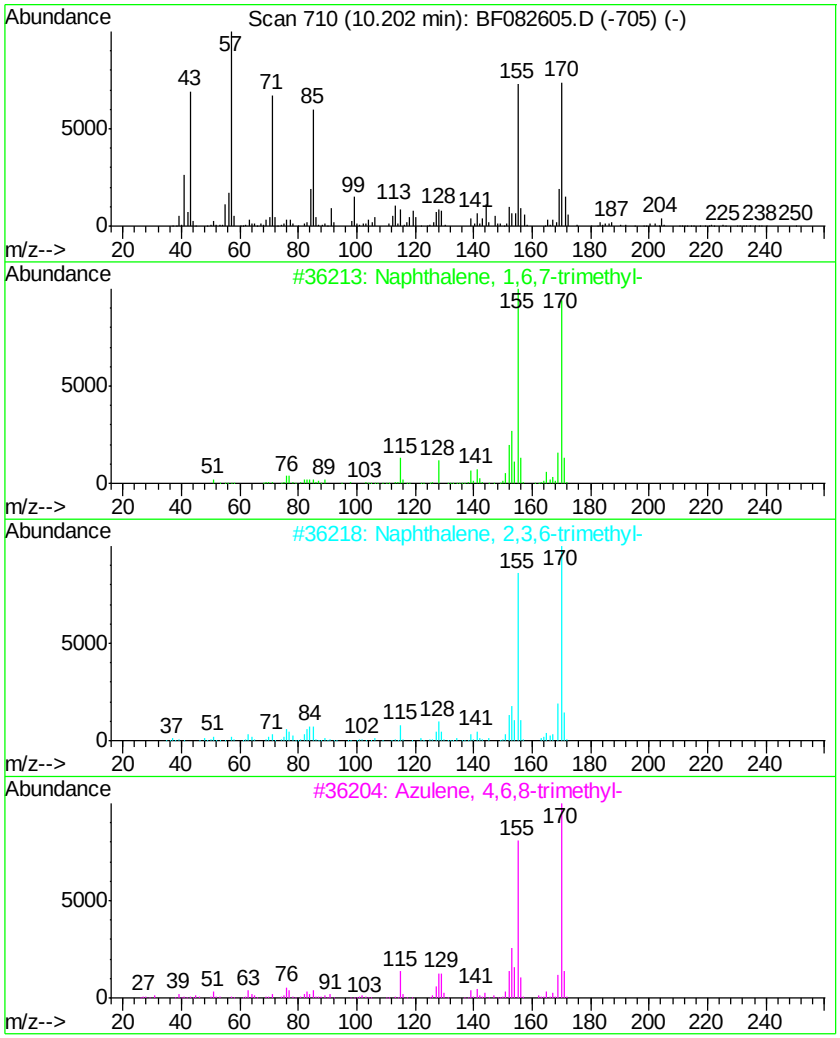
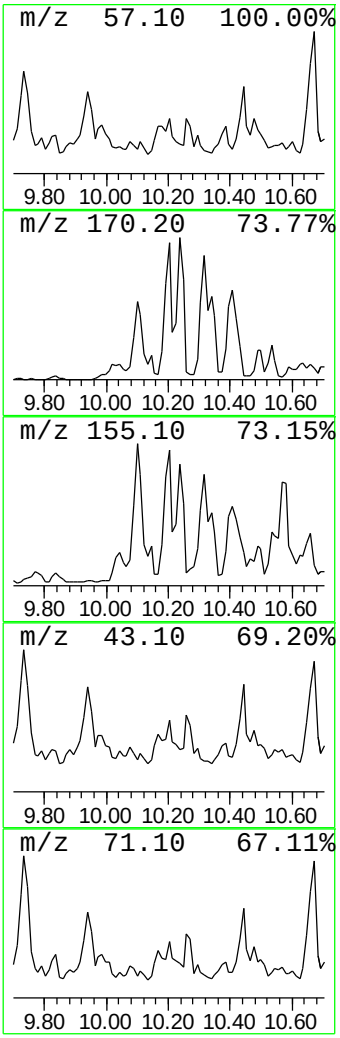
Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	38.68 ng	15526900	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	72
3	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	64
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	64
5	Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	49





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Instrument : BNA_F
ClientSampleId : SC-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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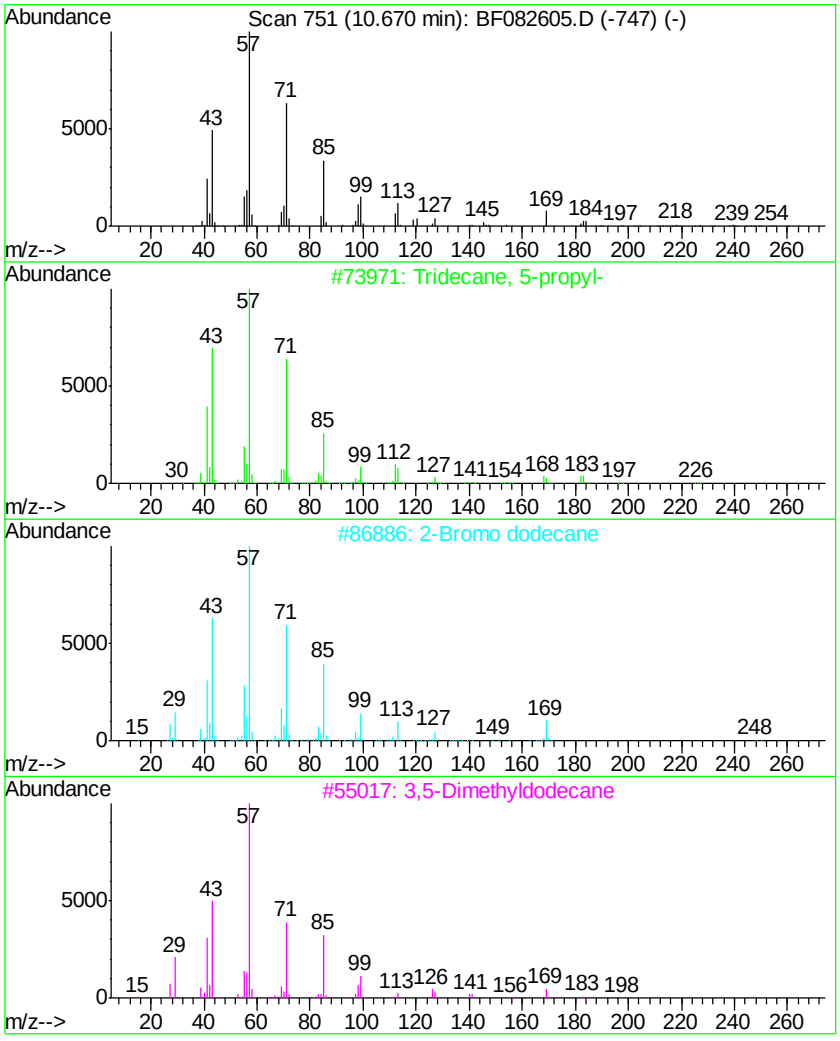
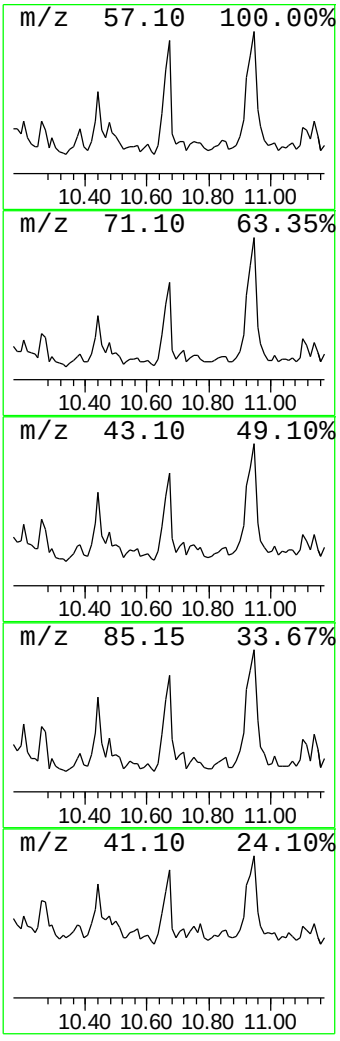
Peak Number 15 Tridecane, 5-propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	42.56 ng	17085300	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	87
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	72
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	72
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
5	Tridecane	184	C13H28	000629-50-5	64





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Sample : G4014-07
Misc :
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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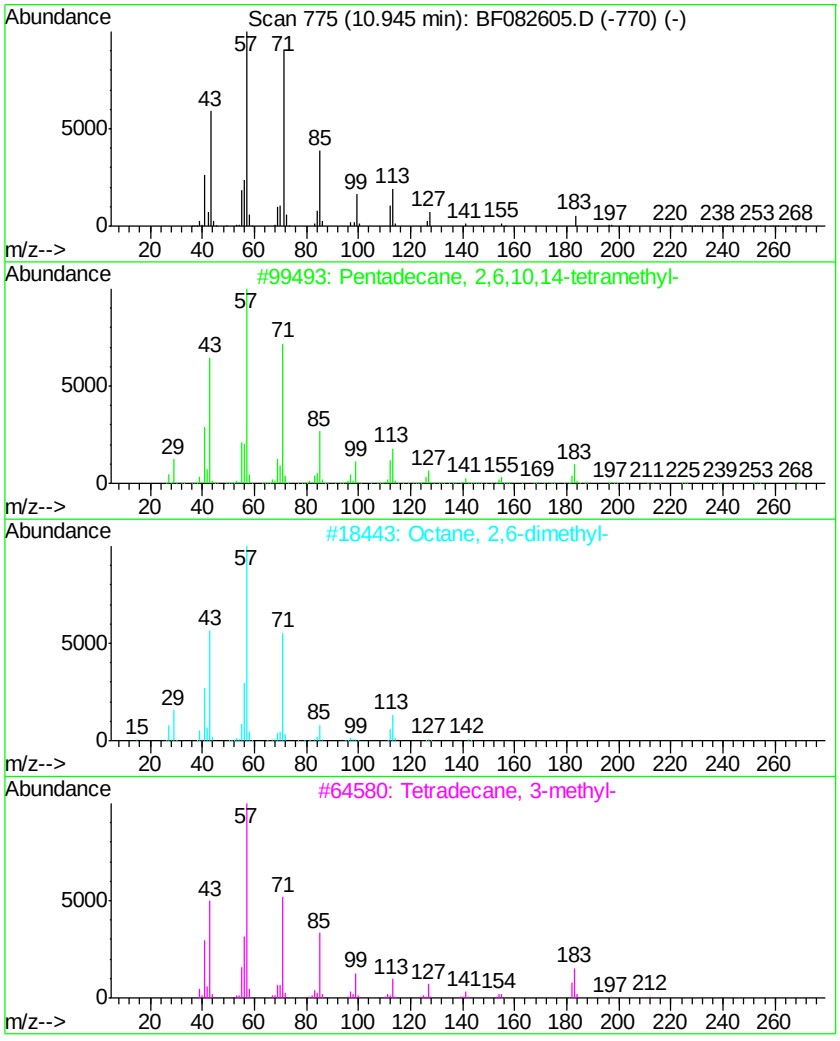
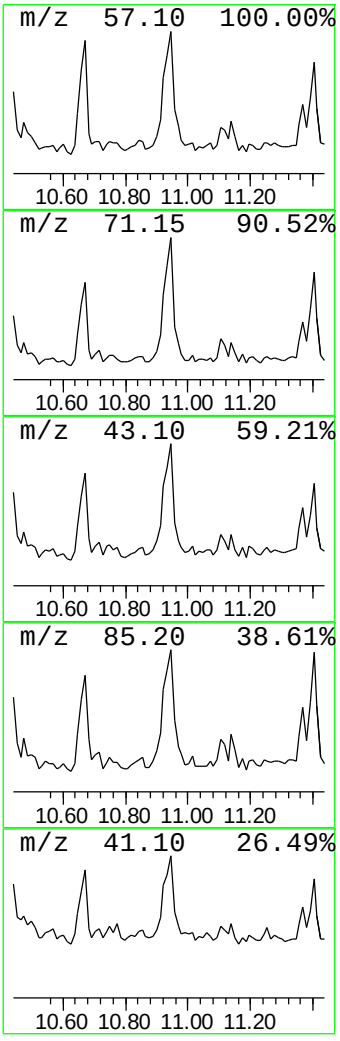
Peak Number 16 Pentadecane, 2,6,10,14-tetr... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	28.87 ng	22571500	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	78
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
3	Tetradecane, 3-methyl-	212	C15H32	018435-22-8	53
4	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	50
5	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	50





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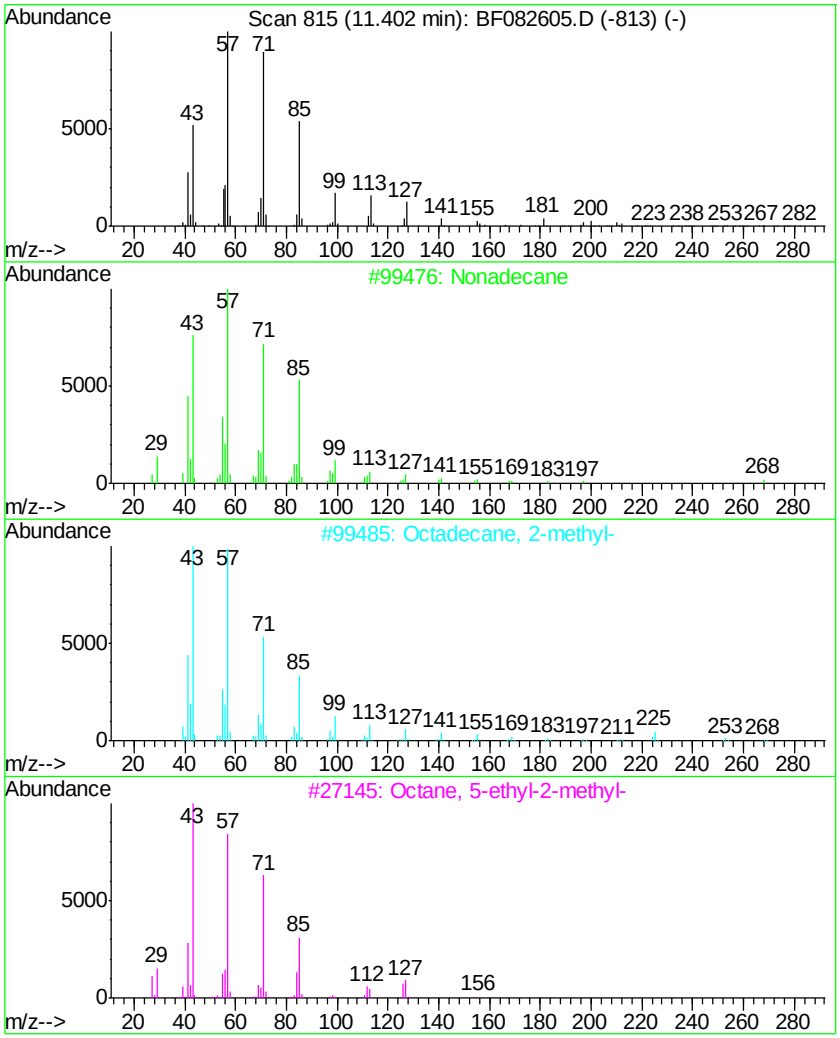
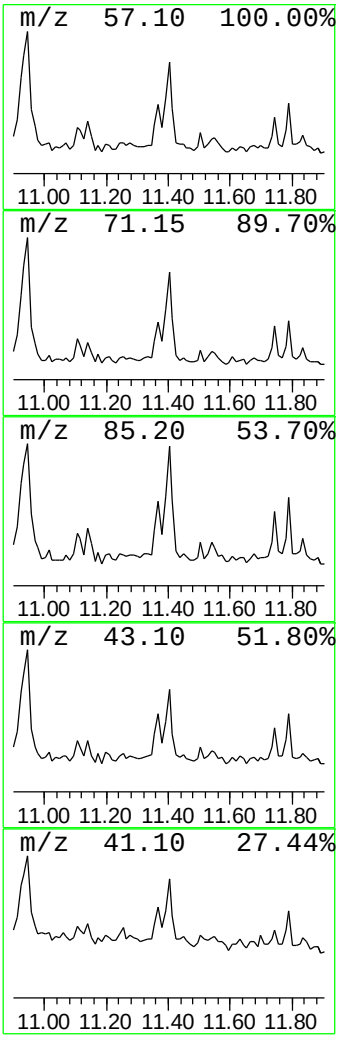
Peak Number 17 Nonadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	20.00 ng	15639000	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	86
2	Octadecane, 2-methyl-	268	C19H40	001560-88-9	86
3	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	80
4	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78





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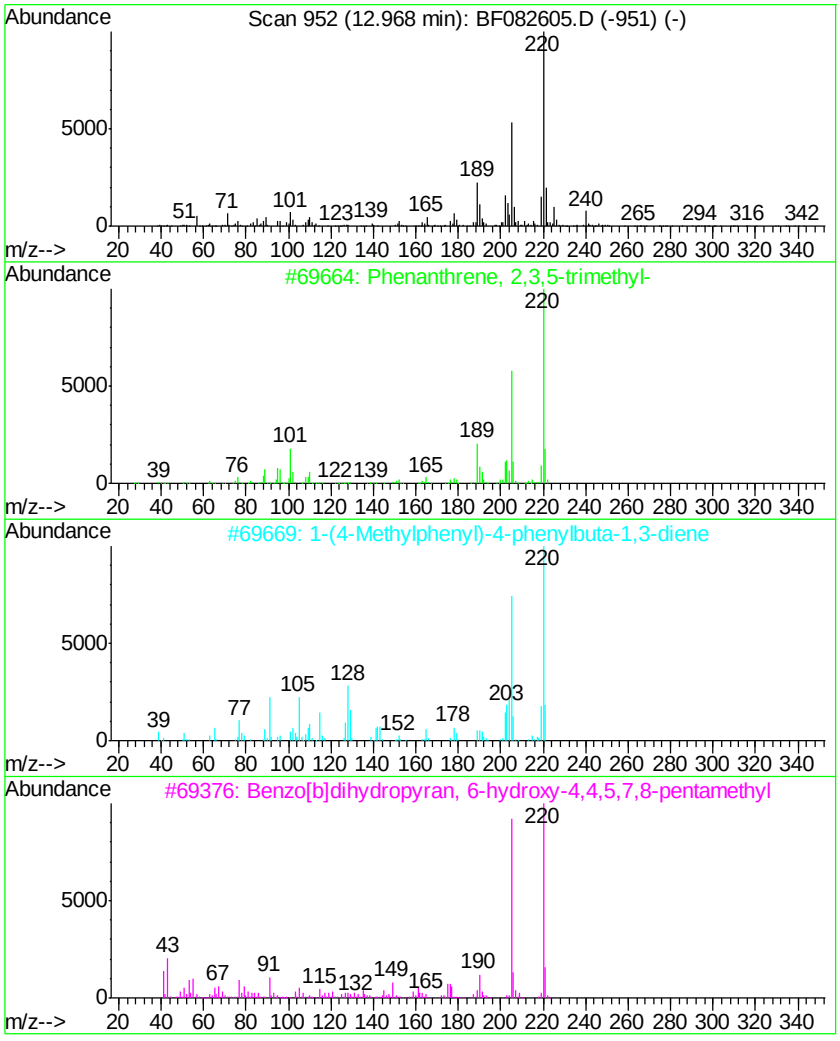
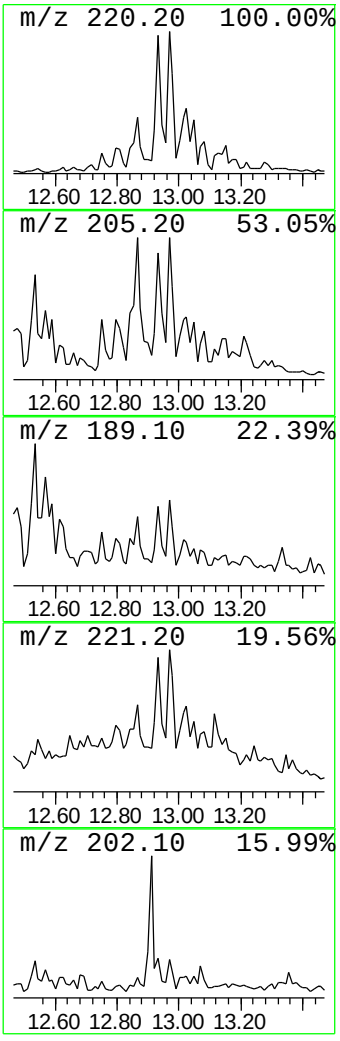
Peak Number 18 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	59.22 ng	3808660	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	96
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	83
3	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	53
4	Chrom-6-ol-4-one, 2,3-dihydroxy-...	220	C13H16O3	084945-26-6	53
5	3,5-Cyclohexadiene-1,2-dione, 3,...	220	C14H20O2	003383-21-9	50





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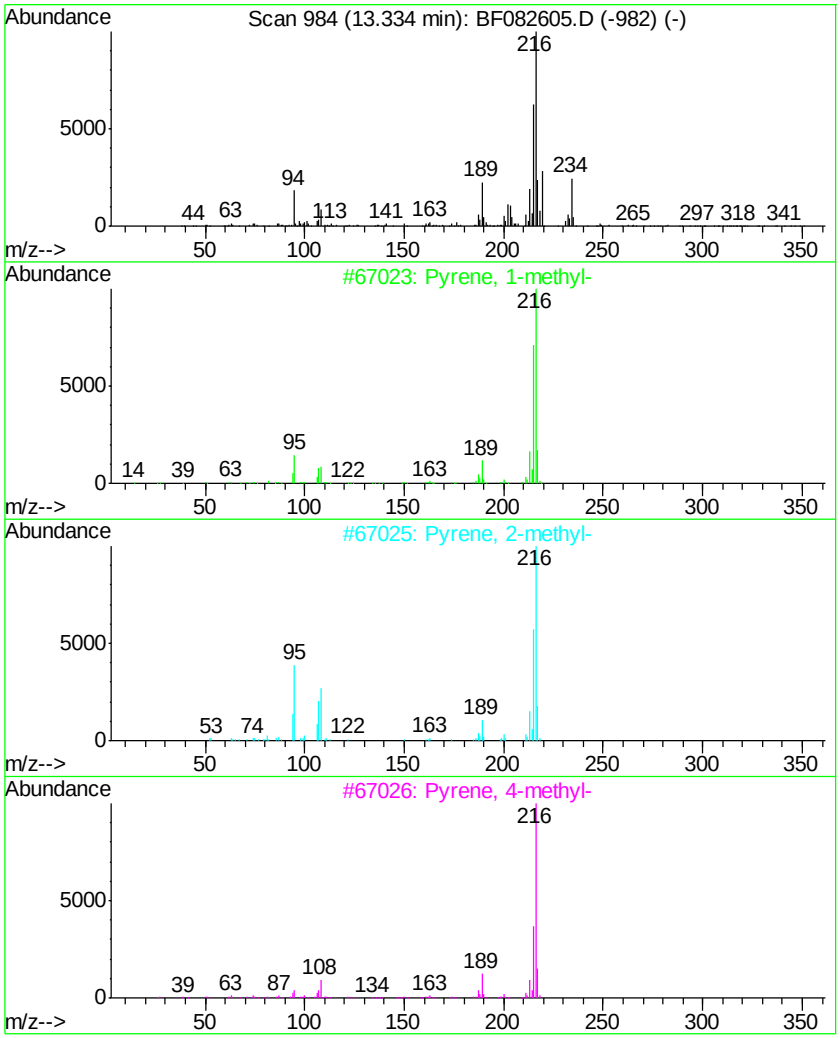
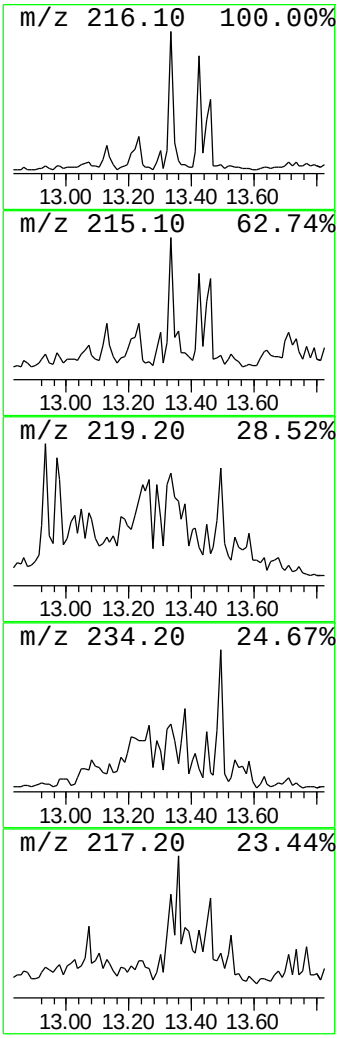
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	54.74 ng	3520420	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	78
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	52
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	49





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Instrument : BNA_F
ClientSampleId : SC-6

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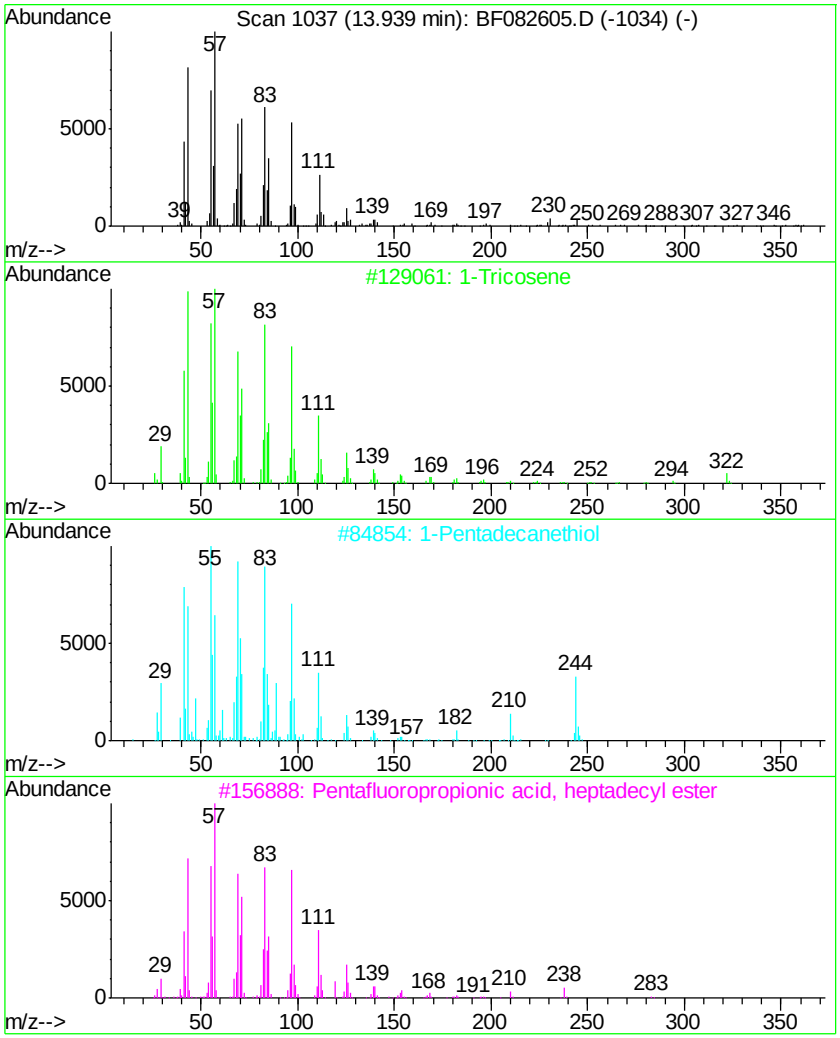
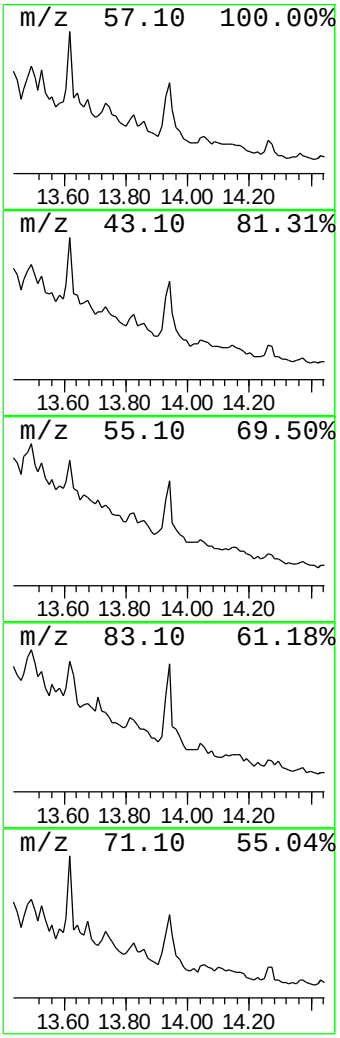
Peak Number 20 1-Tricosene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	34.83 ng	2240000	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tricosene	322	C23H46	018835-32-0	97
2	1-Pentadecanethiol	244	C15H32S	025276-70-4	91
3	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	90
4	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	87
5	1-Hexadecanol, 2-methyl-	256	C17H36O	002490-48-4	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082605.D
Acq On : 31 Oct 2015 7:21
Operator : UM/IZ
Sample : G4014-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.10	23.8	ng	4432180	1	6.91	3728400	20.0
Nonane, 3-methyl-	6.17	21.6	ng	4019960	1	6.91	3728400	20.0
unknown6.68	6.68	68.0	ng	12685500	1	6.91	3728400	20.0
Decane	6.76	56.5	ng	10536400	1	6.91	3728400	20.0
Heptane, 4-ethyl-	7.21	28.9	ng	5387110	1	6.91	3728400	20.0
Benzene, 2-ethyl-...	7.24	21.9	ng	4080590	1	6.91	3728400	20.0
Decane, 2-methyl-	7.28	29.7	ng	5531560	1	6.91	3728400	20.0
unknown7.32	7.32	49.3	ng	9185660	1	6.91	3728400	20.0
Tridecane	7.54	51.7	ng	9643760	1	6.91	3728400	20.0
Hexadecane	9.41	50.9	ng	20425100	3	9.98	8028040	20.0
Naphthalene, 2,7-...	9.57	19.5	ng	7827940	3	9.98	8028040	20.0
Naphthalene, 1,6,...	10.20	38.7	ng	15526900	3	9.98	8028040	20.0
Tridecane, 5-propyl-	10.67	42.6	ng	17085300	3	9.98	8028040	20.0
Pentadecane, 2,6,...	10.94	28.9	ng	22571500	4	11.48	15639000	20.0
Nonadecane	11.40	20.0	ng	15639000	4	11.48	15639000	20.0
Phenanthrene, 2,3...	12.97	59.2	ng	3808660	5	14.09	1286190	20.0
Pyrene, 1-methyl-	13.33	54.7	ng	3520420	5	14.09	1286190	20.0
1-Tricosene	13.94	34.8	ng	2240000	5	14.09	1286190	20.0