LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084142.D
Acq On : 25 Dec 2015 21:37
Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

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-BF122415.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	3.618	128	134	138	rBV2	42856	140574	3.42%	0.329%
2	3.938	157	162	164	rBV	75036	150059	3.65%	0.351%
3	4.316	192	195	202	rBV2	105819	204811	4.98%	0.479%
4	4.430	202	205	210	rVB2	59924	108928	2.65%	0.255%
5	4.784	231	236	238	rBV	165809	251708	6.12%	0.589%
6	4.876	238	244	248	rVV2	379625	731260	17.78%	1.710%
7	4.944	248	250	253	rBV	424545	611138	14.86%	1.429%
8	4.990	253	254	259	rVB3	94600	174115	4.23%	0.407%
9	5.081	259	262	267	rVB3	69014	129719	3.15%	0.303%
10	5.161	267	269	271	rBV	402509	589809	14.34%	1.379%
11	5.264	276	278	279	rBV	233525	368794	8.97%	0.863%
12	5.367	283	287	289	rBV2	399712	638911	15.54%	1.494%
13	5.401	289	290	293	rBV	809040	973120	23.67%	2.276%
14	5.447	293	294	298	rVB2	137989	233367	5.68%	0.546%
15	5.539	300	302	304	rBV	374341	582536	14.17%	1.362%
16	5.584	304	306	308	rVB	415972	415228	10.10%	0.971%
17	5.630	308	310	315	rVB2	409517	767515	18.66%	1.795%
18	5.699	315	316	321	rVB	125006	197776	4.81%	0.463%
19	5.801	321	325	327	rBV	641397	1155862	28.11%	2.703%
20	5.859	327	330	335	rVB4	178656	521267	12.68%	1.219%
21	5.939	335	337	341	rBV3	721826	1544626	37.56%	3.612%
22	6.007	341	343	345	rBV2	197962	312112	7.59%	0.730%
23	6.053	345	347	350	rBV2	1395443	2864656	69.66%	6.700%
24	6.110	350	352	353	rBV	521113	499603	12.15%	1.168%
25	6.247	361	364	367	rBV2	700221	1971357	47.94%	4.610%
26	6.339	367	372	376	rVV5	1012334	3526746	85.77%	8.248%
27	6.407	376	378	380	rVV2	349918	622427	15.14%	1.456%
28	6.453	380	382	385	rVV2	942990	1350908	32.85%	3.159%
29	6.579	388	393	398	rBV4	1259477	4112060	100.00%	9.617%
30	6.670	398	401	406	rVB2	288454	665565	16.19%	1.557%
31	6.761	406	409	410	rBV3	584536	1116135	27.14%	2.610%
32	6.841	414	416	418	rBV	1036029	1783341	43.37%	4.171%
33	6.967	425	427	433	rVB4	1009660	2620031	63.72%	6.128%
34	7.207	446	448	454	rVB5	744168	1770019	43.04%	4.140%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084142.D
Acq On : 25 Dec 2015 21:37
Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

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-BF122415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.367	458	462	464	rBV3	1131972	3343099	81.30%	7.819%
36	12.453	905	907	908	rVB	1047948	1046642	25.45%	2.448%
37	12.865	941	943	944	rVB	990436	1049474	25.52%	2.454%
38	12.934	946	949	950	rVB2	969696	1376662	33.48%	3.220%
39	13.962	1037	1039	1043	rVB2	324492	422182	10.27%	0.987%
40	15.391	1162	1164	1167	rVB	232396	333541	8.11%	0.780%
41	15.494	1171	1173	1176	rVB2	130336	195789	4.76%	0.458%
42	16.020	1217	1219	1226	rVB2	267568	641902	15.61%	1.501%
43	16.420	1252	1254	1261	rVB	289617	642798	15.63%	1.503%

Sum of corrected areas: 42758172

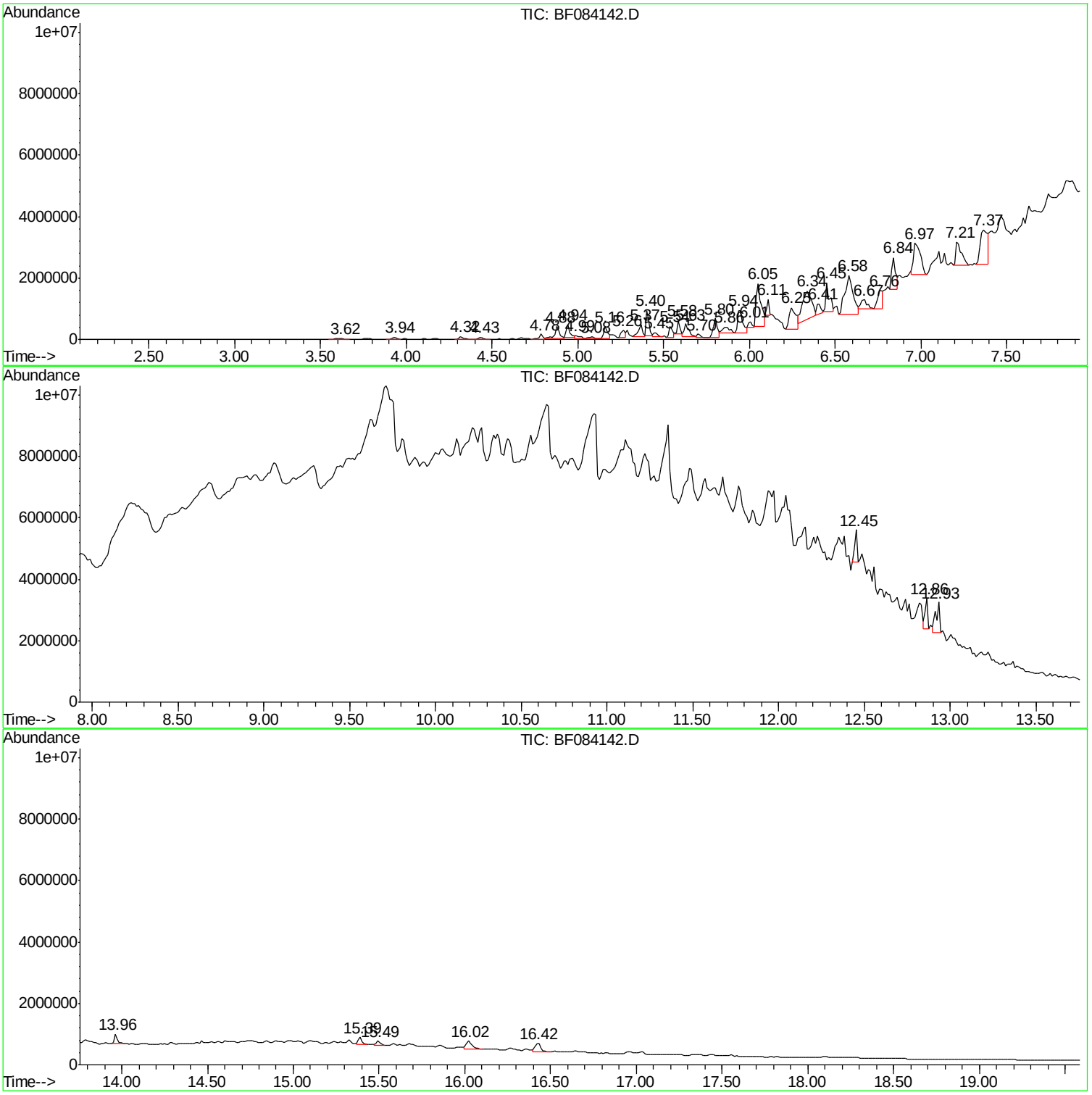
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084142.D
Acq On : 25 Dec 2015 21:37
Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084142.D
Acq On : 25 Dec 2015 21:37
Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

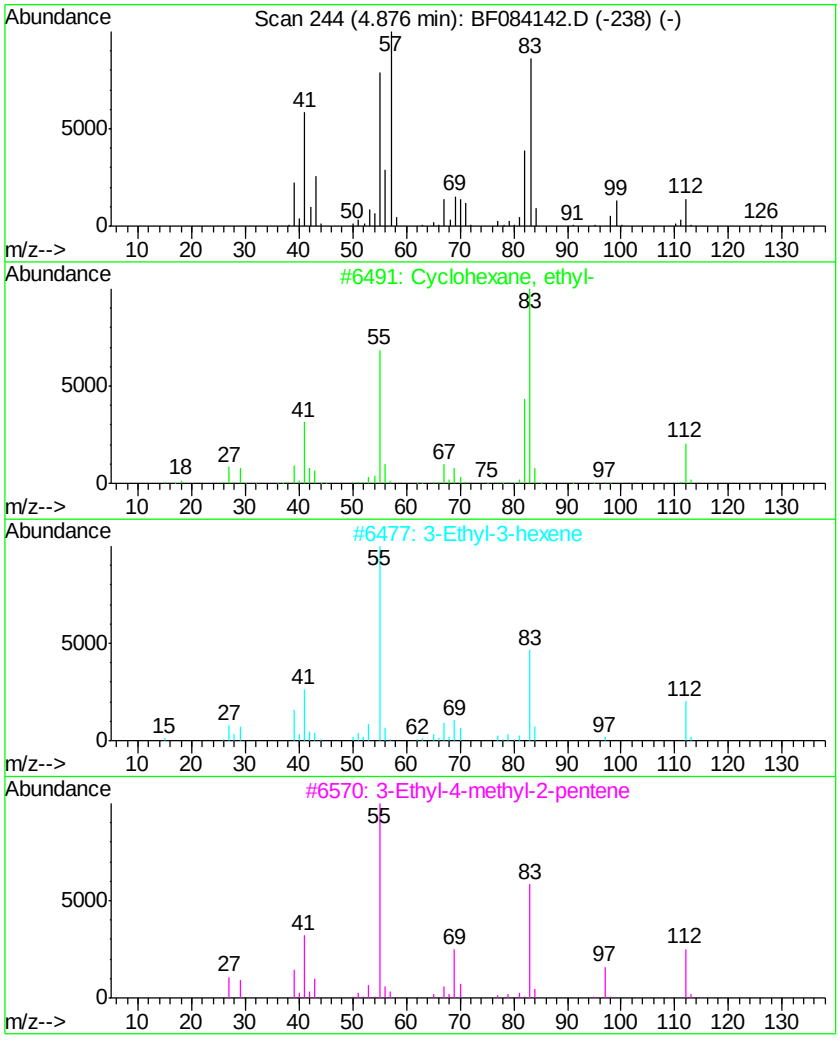
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

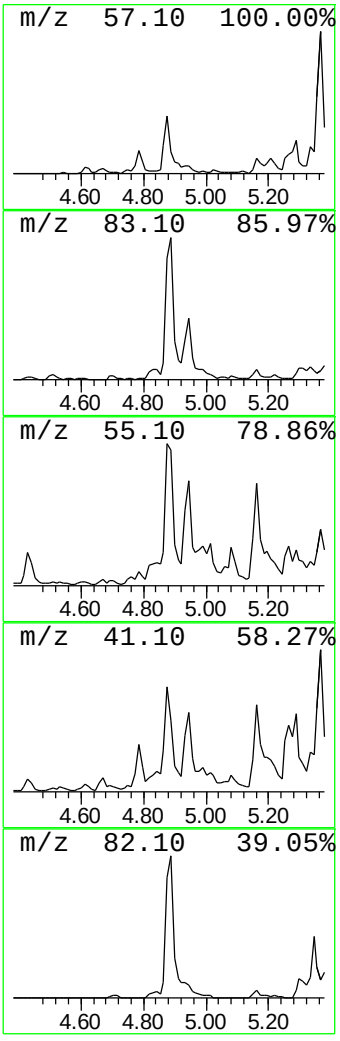
****

Peak Number 1 Cyclohexane, ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.88	8.20 ng	731260	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	68
2	3-Ethyl-3-hexene	112	C8H16	016789-51-8	49
3	3-Ethyl-4-methyl-2-pentene	112	C8H16	019780-68-8	46
4	3-Hexene, 3,4-dimethyl-, (Z)-	112	C8H16	019550-87-9	46
5	trans-4,4-Dimethyl-2-hexene	112	C8H16	019550-83-5	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084142.D
Acq On : 25 Dec 2015 21:37
Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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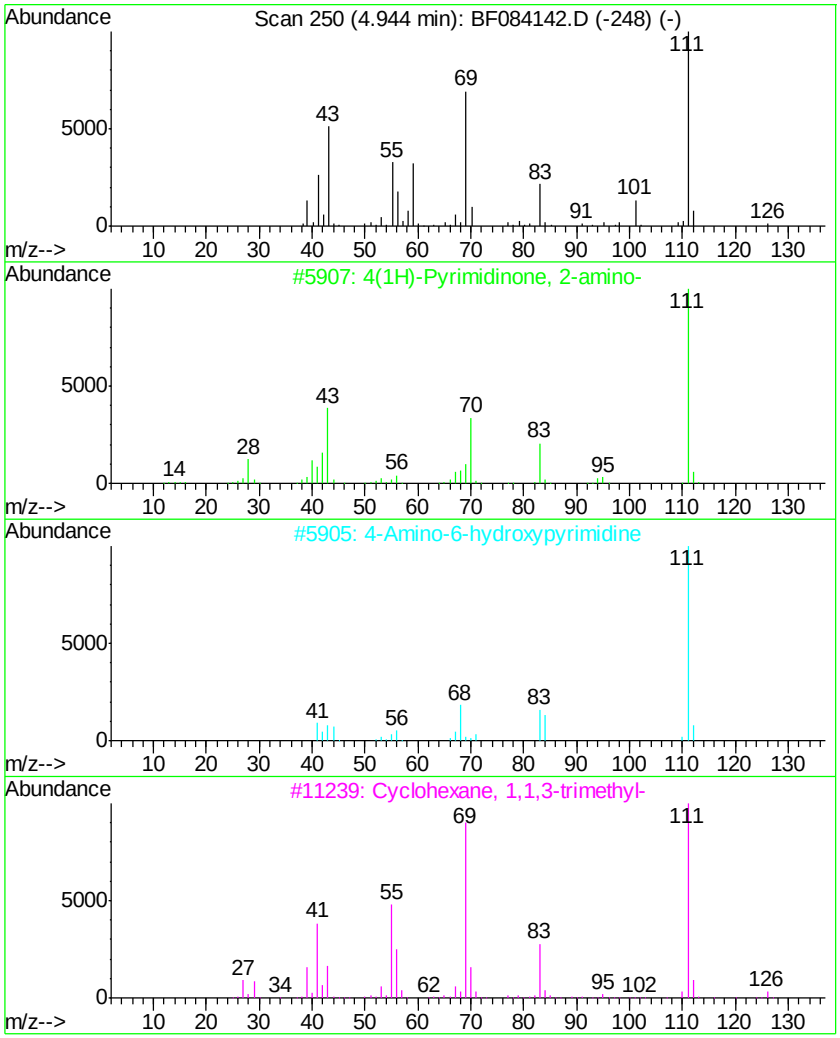
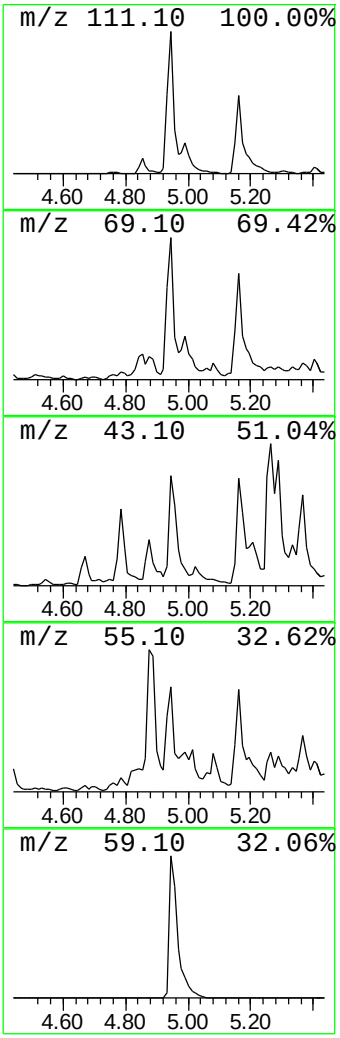
Peak Number 2 4(1H)-Pyrimidinone, 2-amino- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	6.85 ng	611138	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4(1H)-Pyrimidinone, 2-amino-	111	C4H5N3O	000108-53-2	58
2	4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	53
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	43
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	42
5	Cyclohexane, 1,4-dimethyl-2-octa...	364	C26H52	055282-02-5	42





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084142.D
Acq On : 25 Dec 2015 21:37
Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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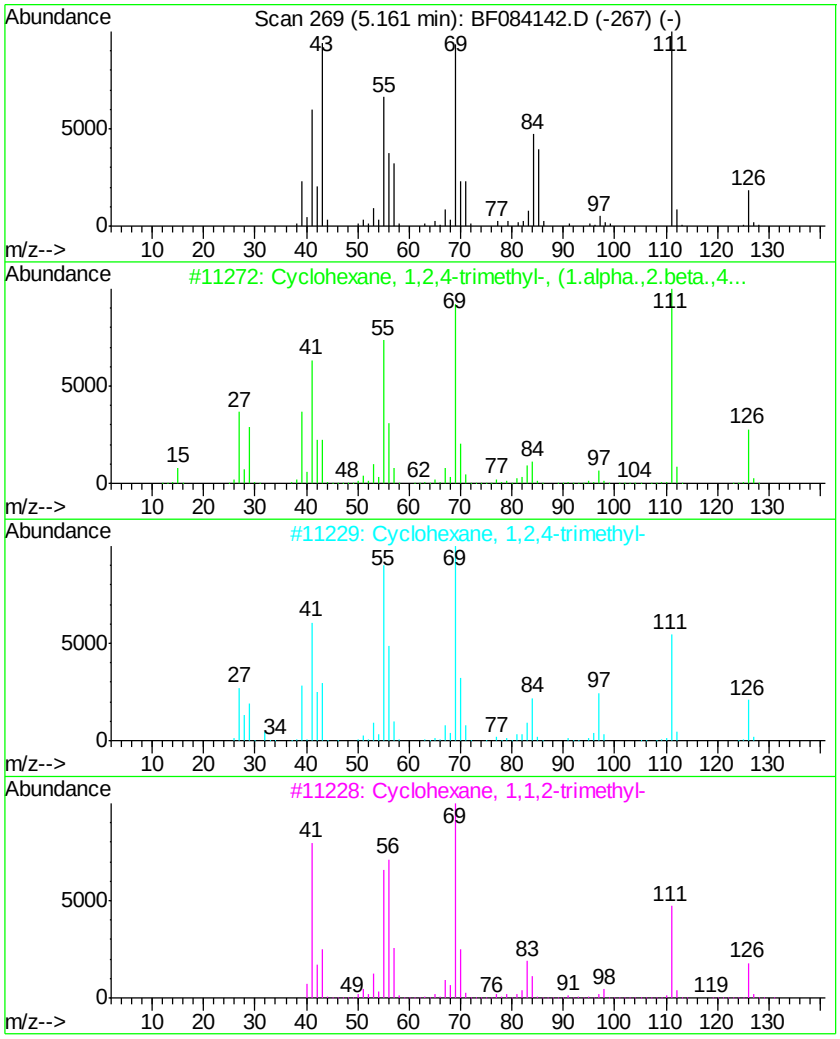
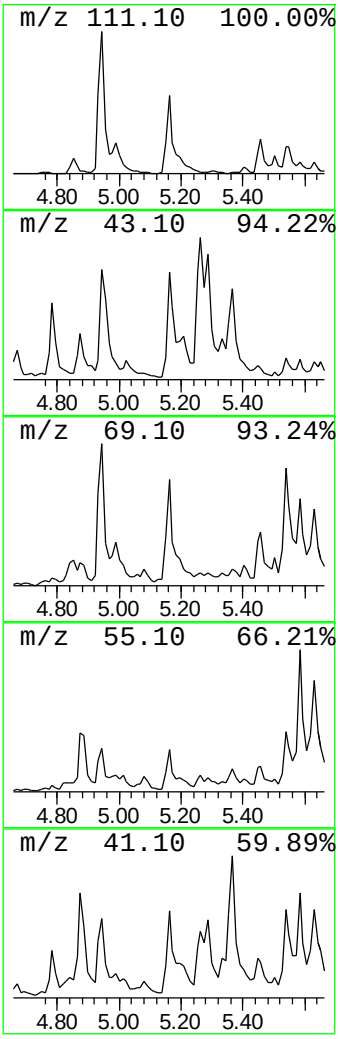
Peak Number 3 Cyclohexane, 1,2,4-trimethy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	6.61 ng	589809	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	62
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	53
3	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	46
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	46
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084142.D
Acq On : 25 Dec 2015 21:37
Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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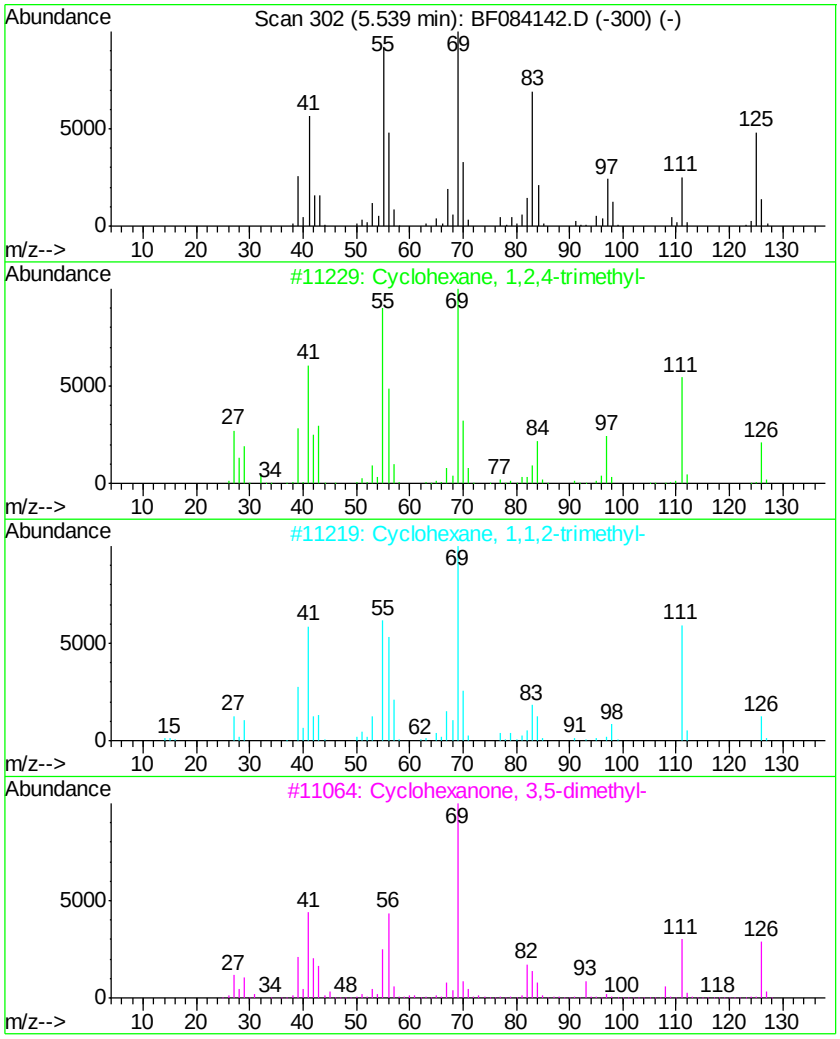
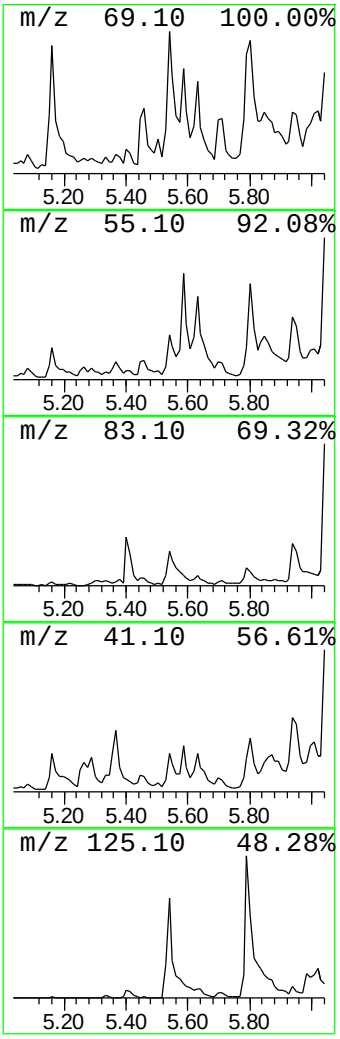
Peak Number 4 Cyclohexane, 1,2,4-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	6.53 ng	582536	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	58
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	53
3	Cyclohexanone, 3,5-dimethyl-	126	C8H14O	002320-30-1	46
4	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	46
5	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084142.D
Acq On : 25 Dec 2015 21:37
Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

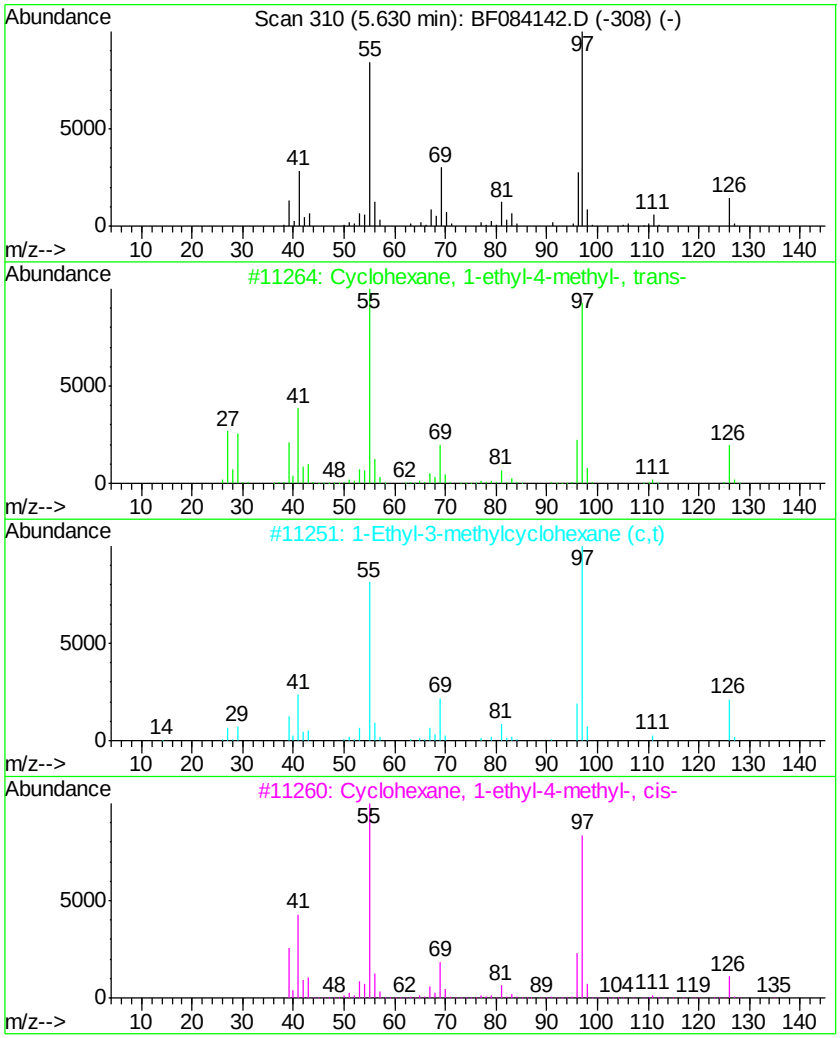
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

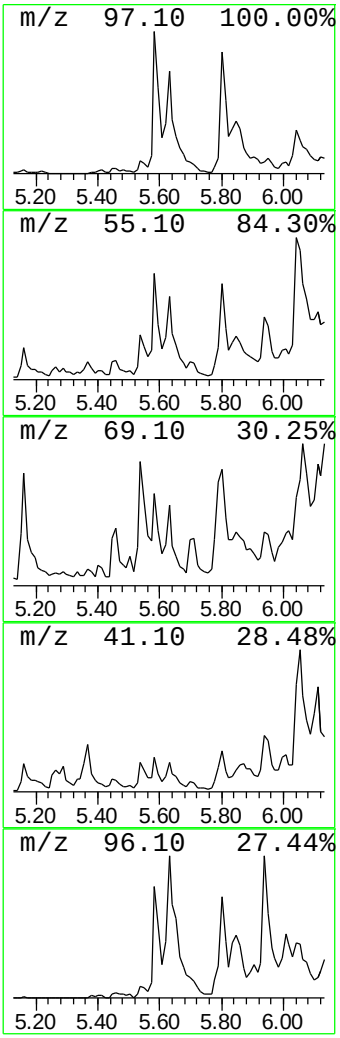
****

Peak Number 5 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	8.61 ng	767515	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	91
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	91
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	91
4	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	91
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084142.D
Acq On : 25 Dec 2015 21:37
Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

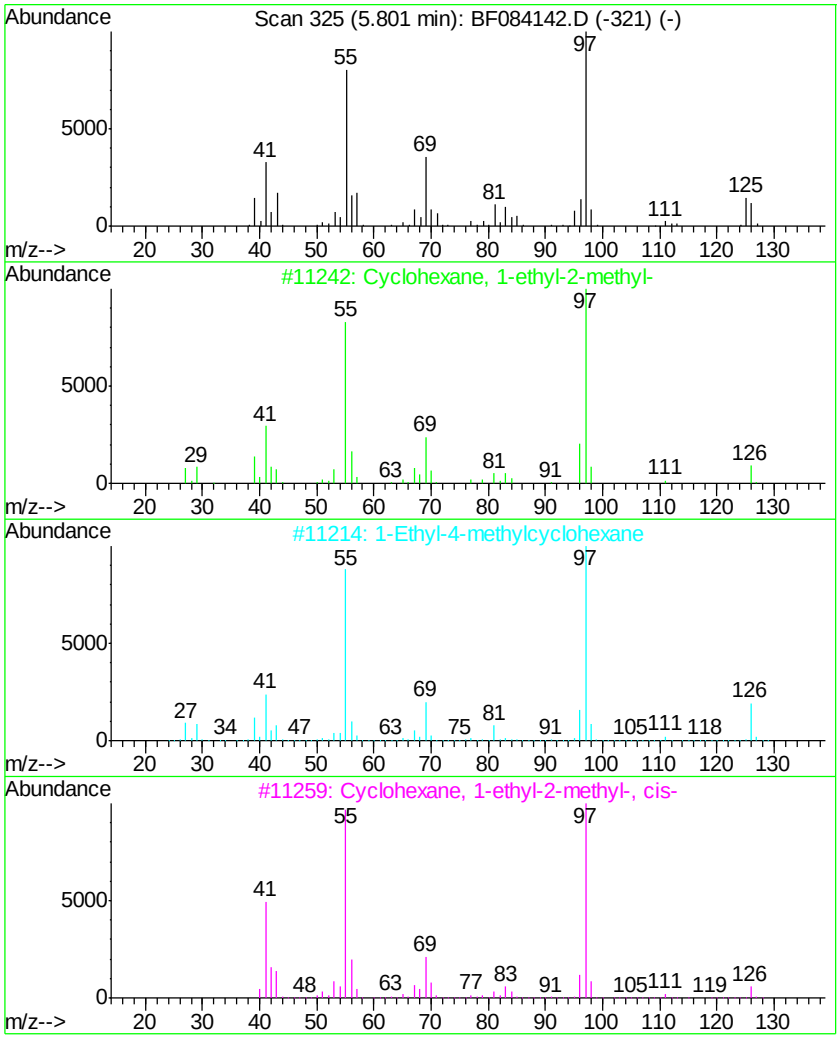
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

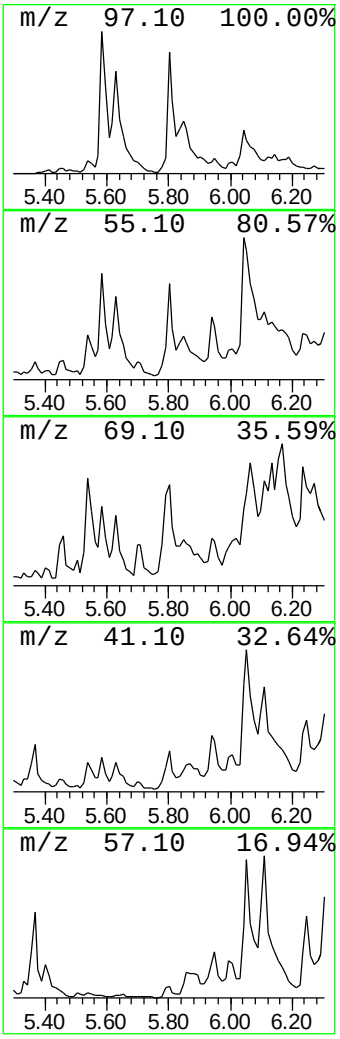
****

Peak Number 6 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.80	12.96 ng	1155860	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	68
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	62
5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	62





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084142.D
Acq On : 25 Dec 2015 21:37
Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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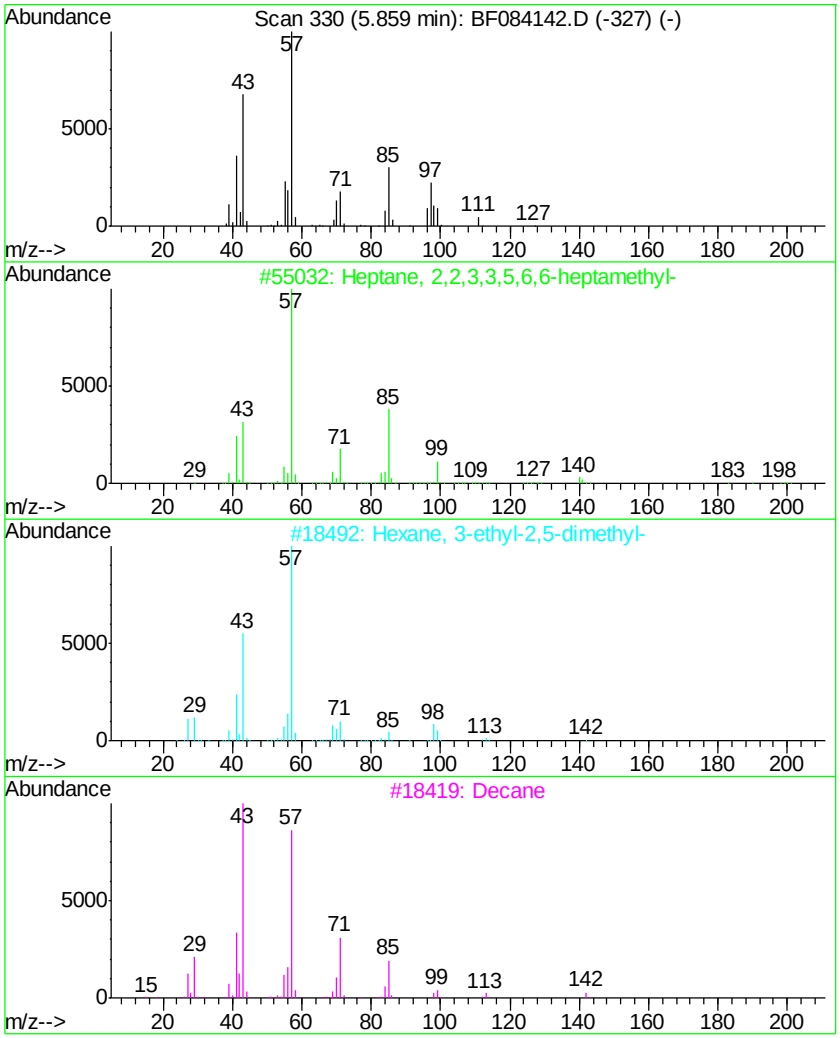
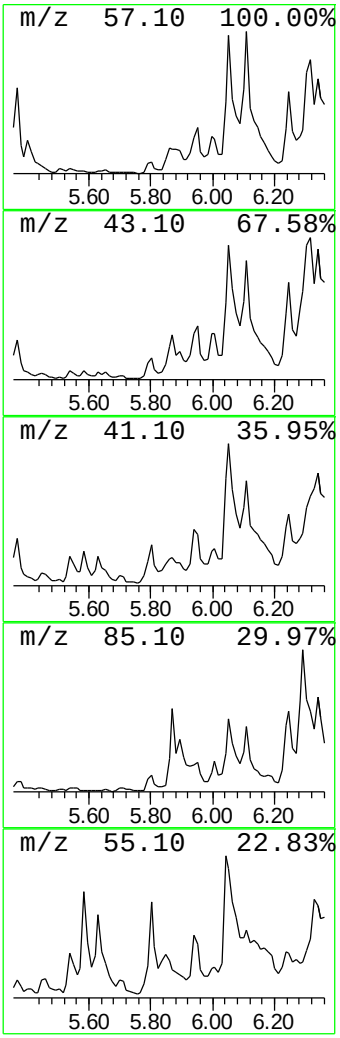
Peak Number 7 unknown5.86 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.86	5.85 ng	521267	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	43
2	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	38
3	Decane	142	C10H22	000124-18-5	37
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	35
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\
Data File : BF084142.D
Acq On : 25 Dec 2015 21:37
Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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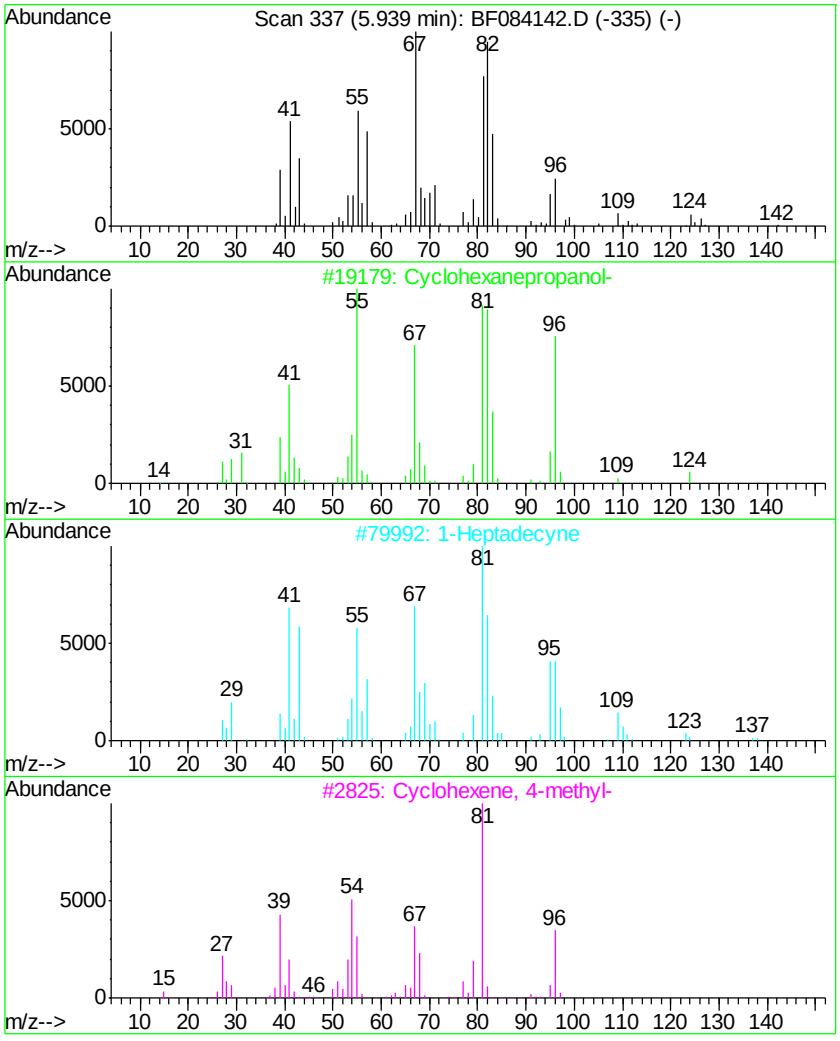
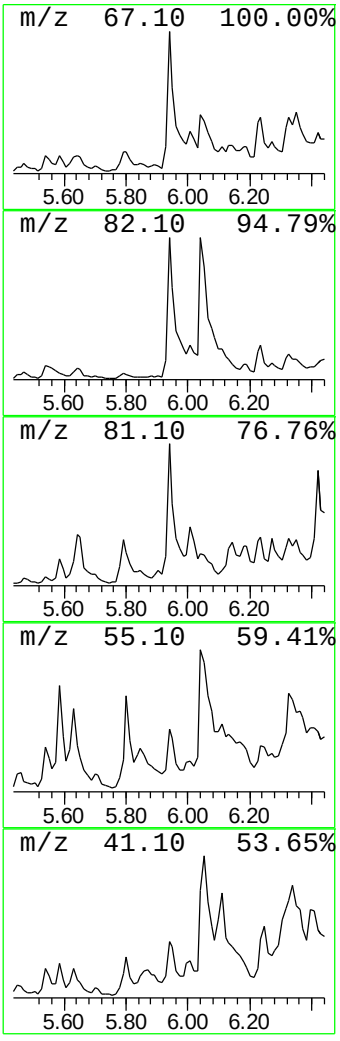
Peak Number 8 Cyclohexanepropanol- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	17.32 ng	1544630	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanepropanol-	142	C9H18O	001124-63-6	58
2	1-Heptadecyne	236	C17H32	026186-00-5	49
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	42
4	1-Dodecyne	166	C12H22	000765-03-7	38
5	1-Tetradecyne	194	C14H26	000765-10-6	38





Library Search Compound Report

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Data File : BF084142.D
Acq On : 25 Dec 2015 21:37
Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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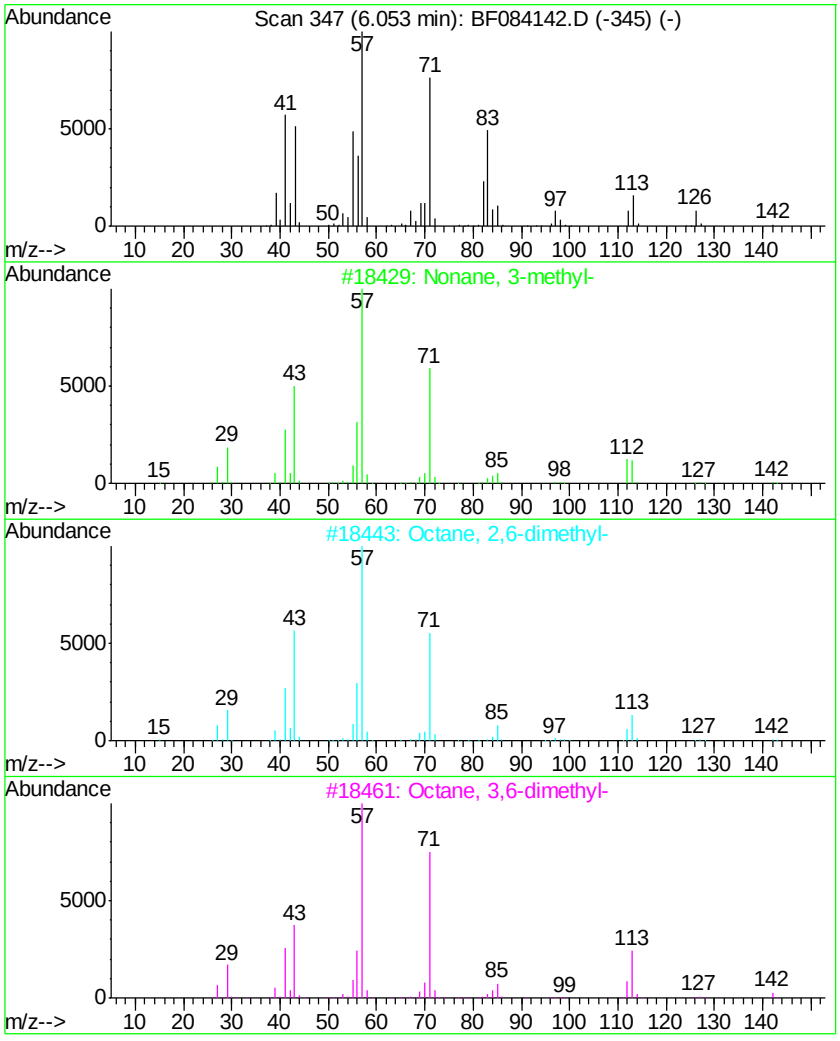
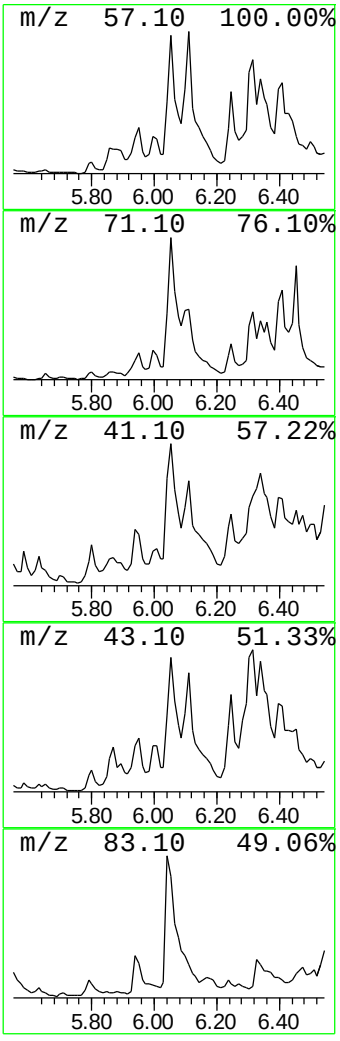
Peak Number 9 Nonane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	32.13 ng	2864660	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	64
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	62
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53
4	3-Bromooctane	192	C8H17Br	000999-64-4	46
5	Oxirane, pentyl-	114	C7H14O	005063-65-0	45





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Acq On : 25 Dec 2015 21:37
Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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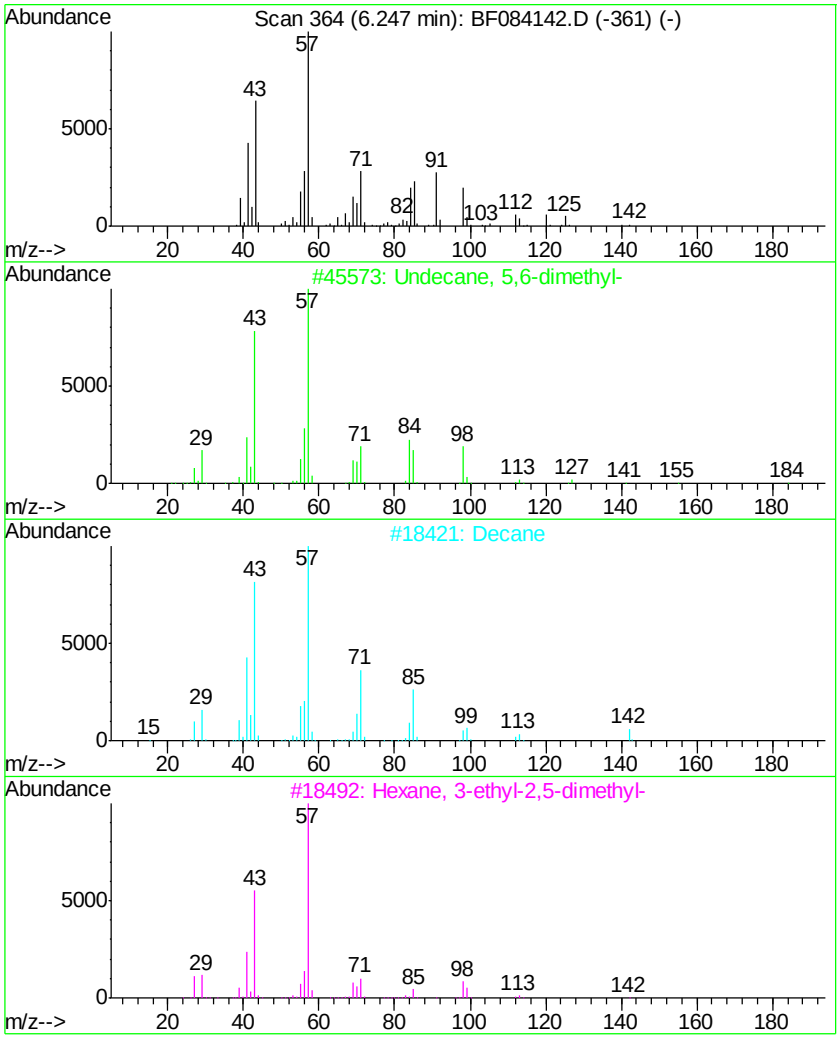
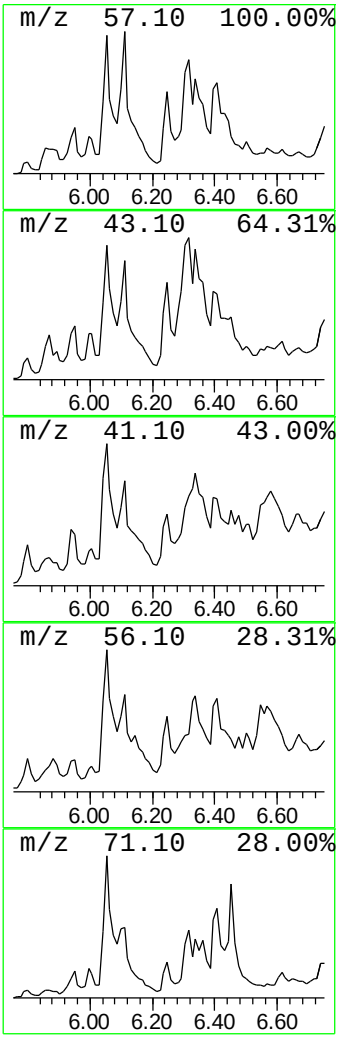
Peak Number 10 Undecane, 5,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.25	22.11 ng	1971360	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	53
2	Decane	142	C10H22	000124-18-5	49
3	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	43
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	43
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43





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Acq On : 25 Dec 2015 21:37
Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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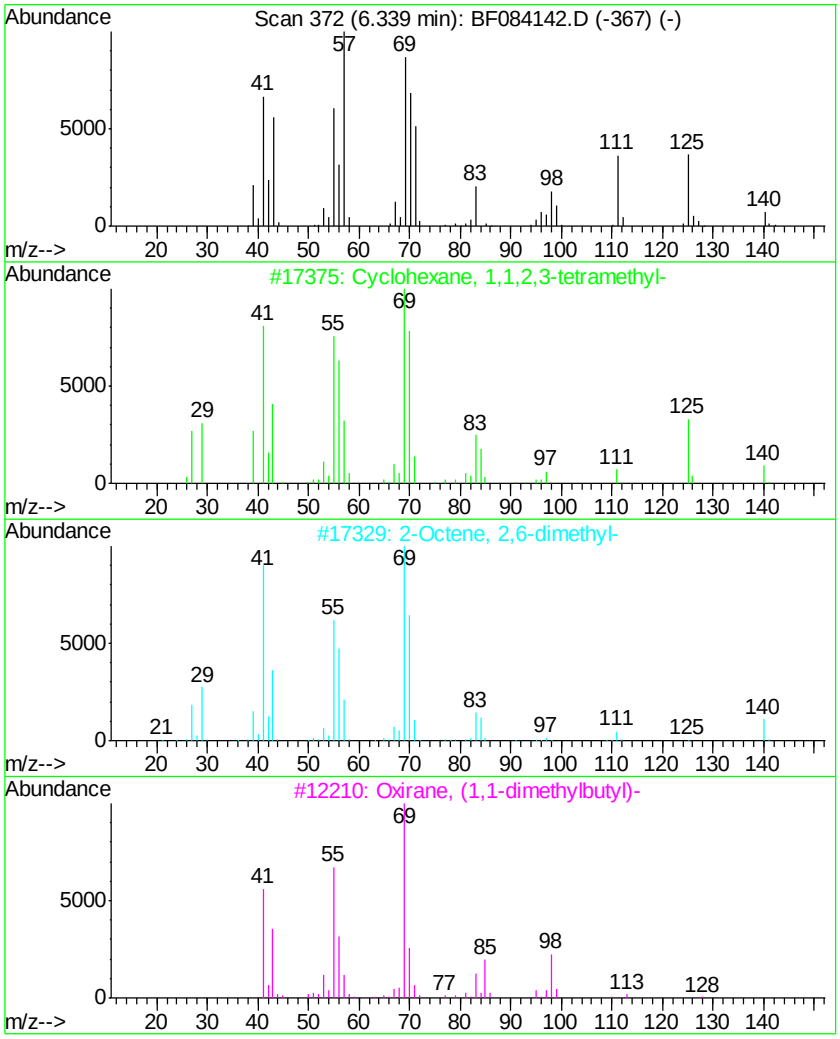
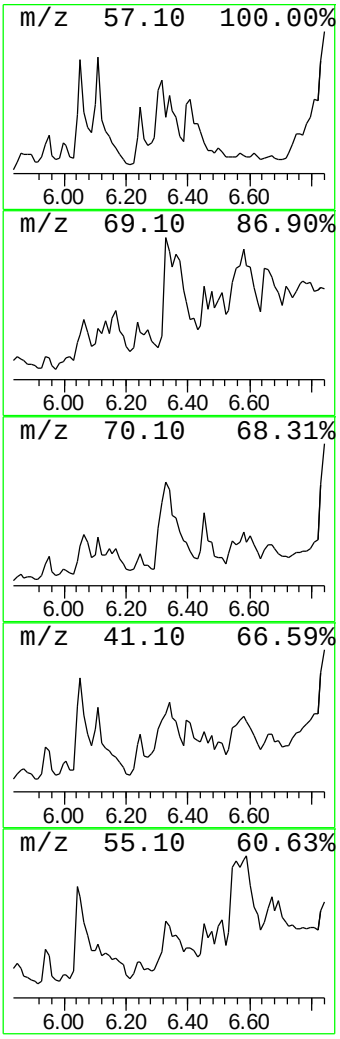
Peak Number 11 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	39.55 ng	3526750	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	60
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46
3	Oxirane, (1,1-dimethylbutyl)-	128	C8H16O	053907-76-9	43
4	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	38
5	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	38





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Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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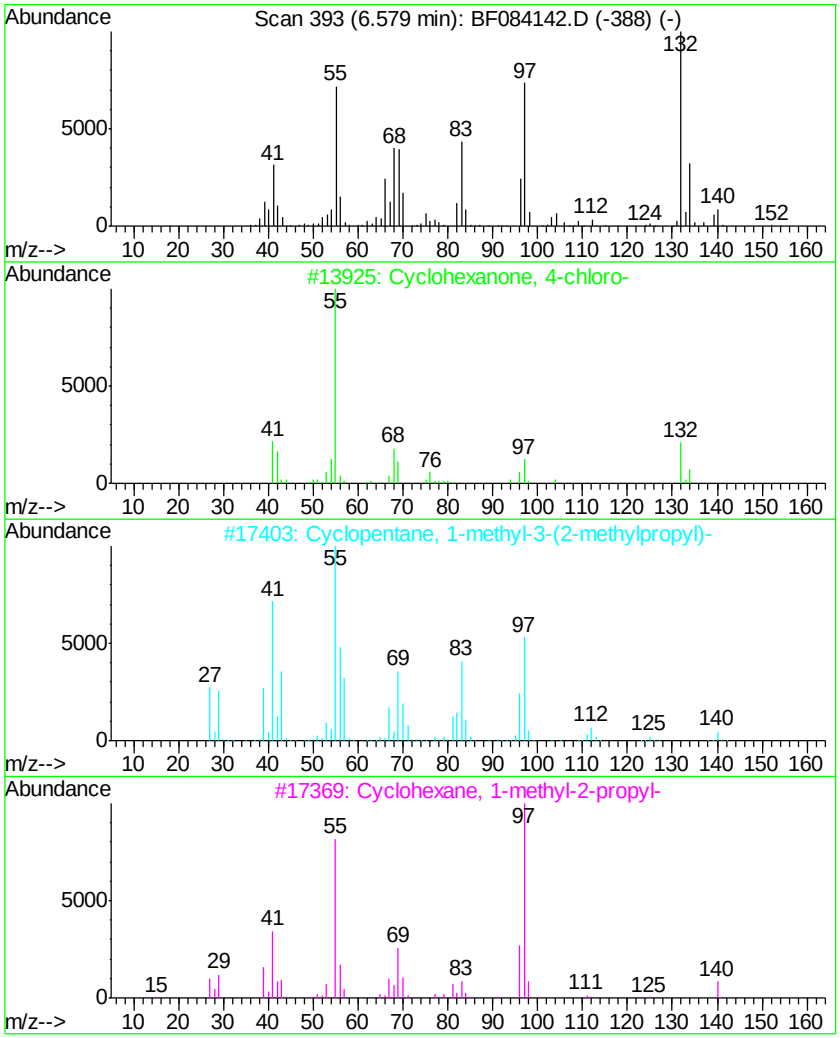
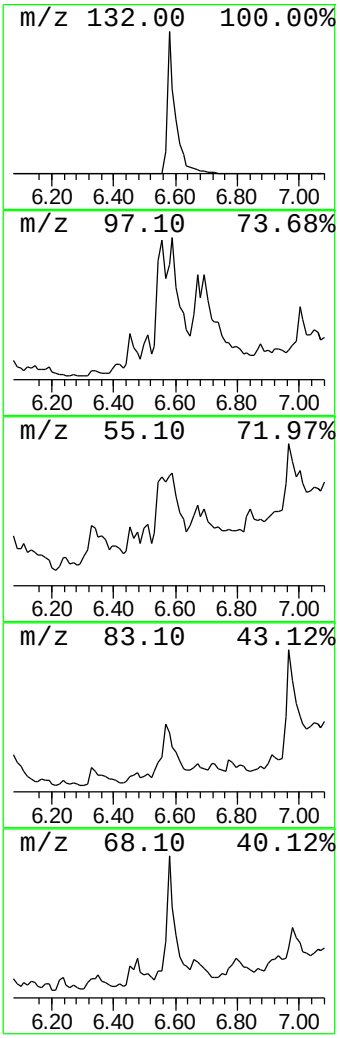
Peak Number 12 unknown6.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	46.12 ng	4112060	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 4-chloro-	132	C6H9ClO	021299-26-3	38
2	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	25
3	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	18
4	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	14
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	11





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Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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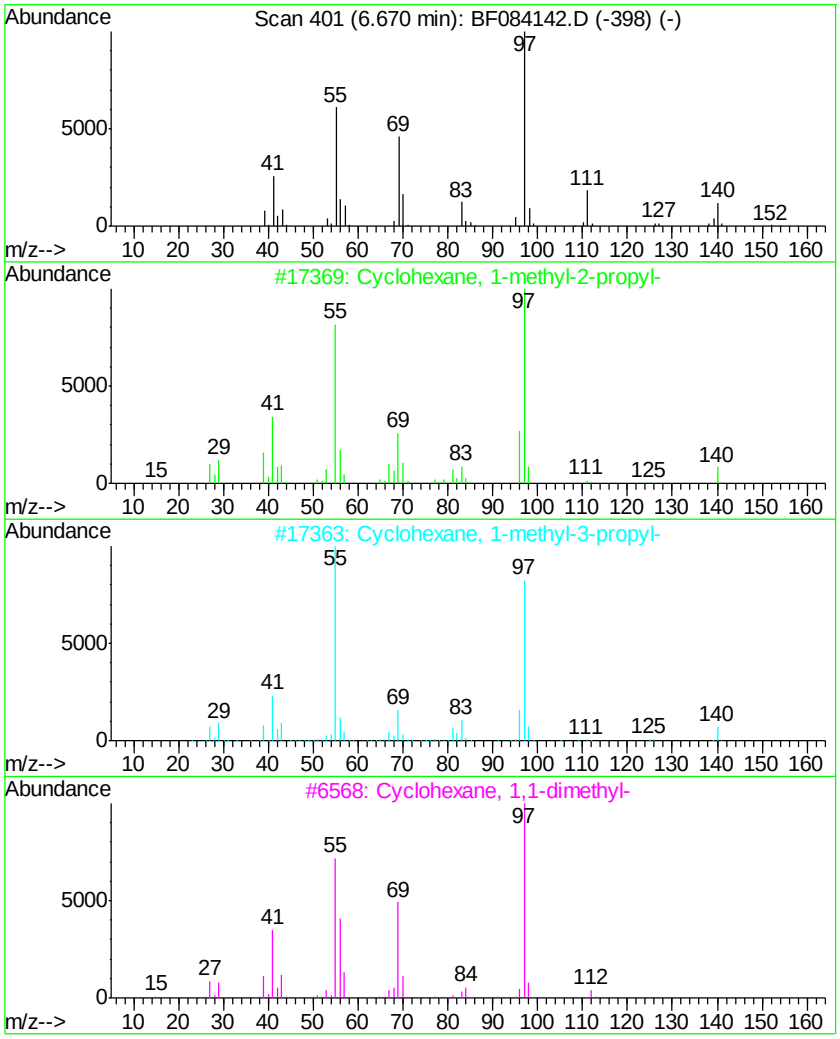
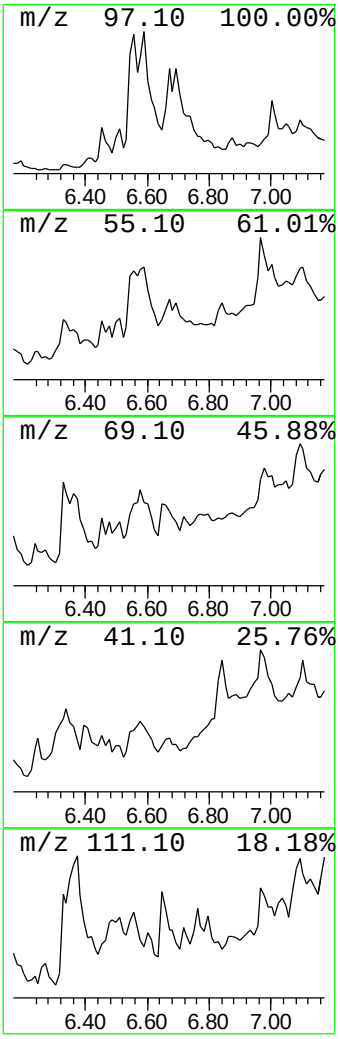
Peak Number 13 Cyclohexane, 1-methyl-2-pro... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	7.46 ng	665565	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	72
2	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	59
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	59
4	Cyclohexane, 1-isopropyl-3-methy...	140	C10H20	1000158-54-3	59
5	6-Decen-5-one	154	C10H18O	032064-79-2	53





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Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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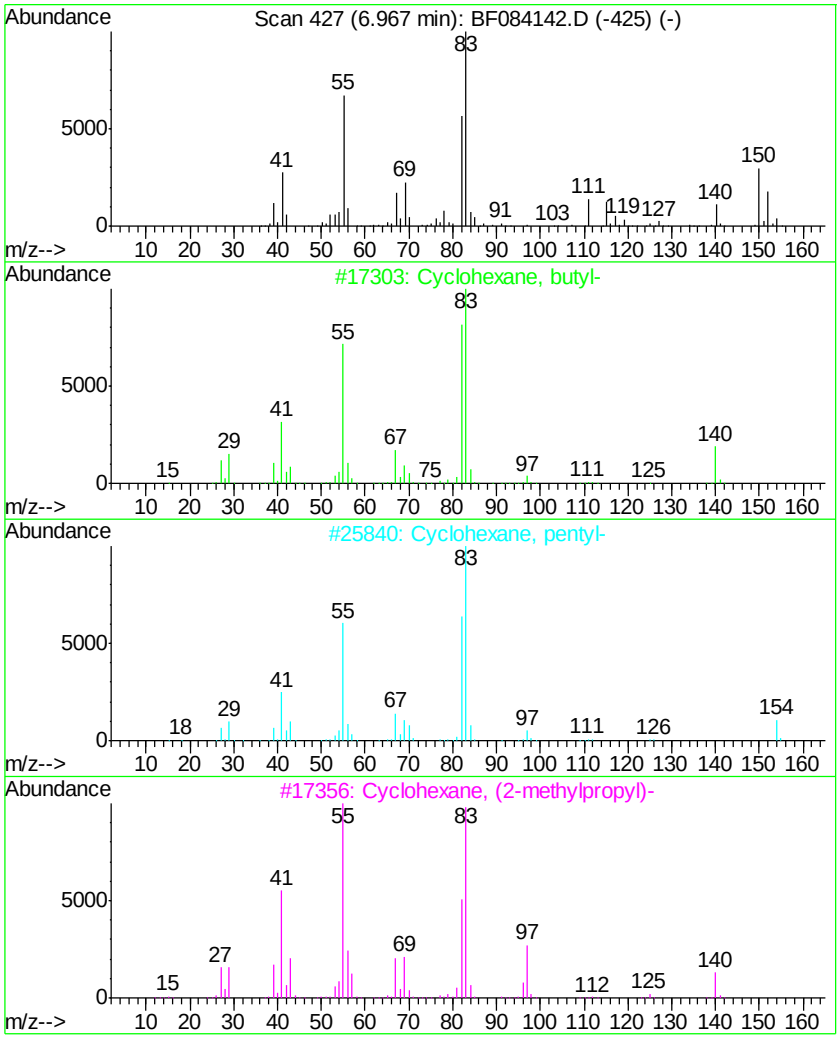
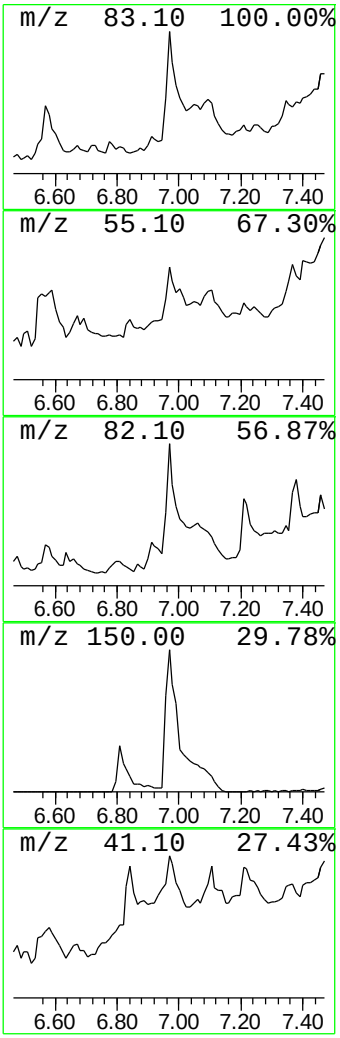
Peak Number 14 Cyclohexane, butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.97	29.38 ng	2620030	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	50
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	47
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	47





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Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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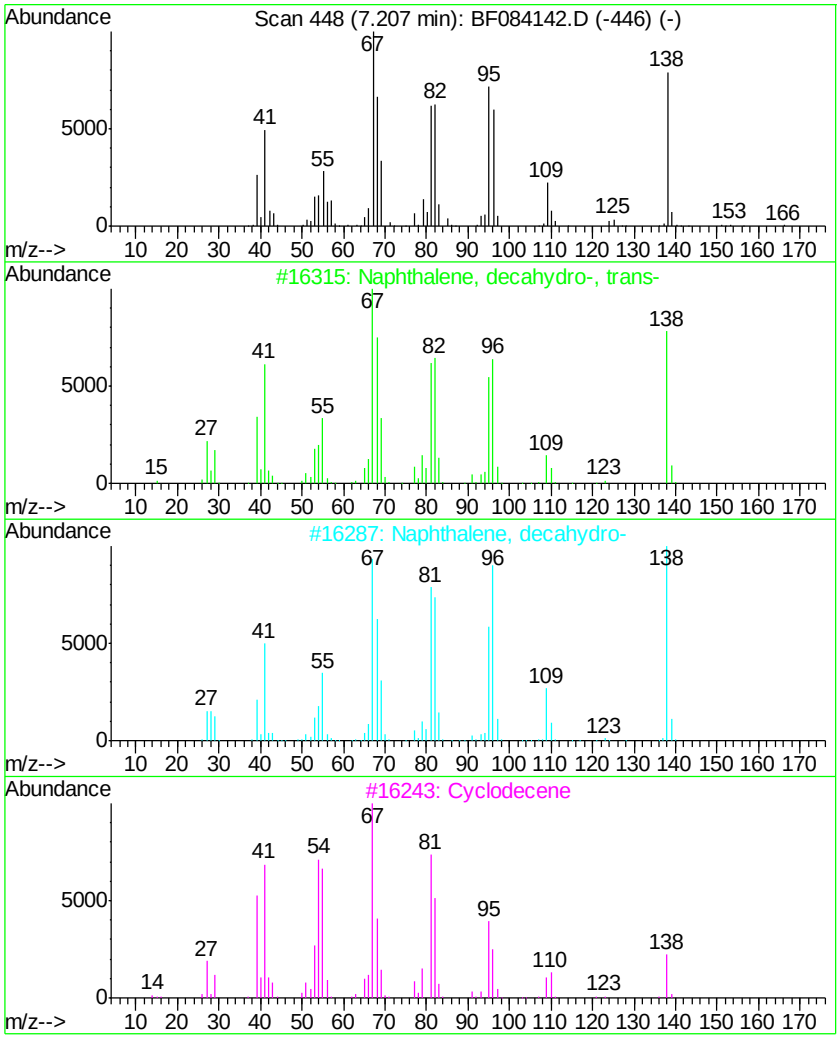
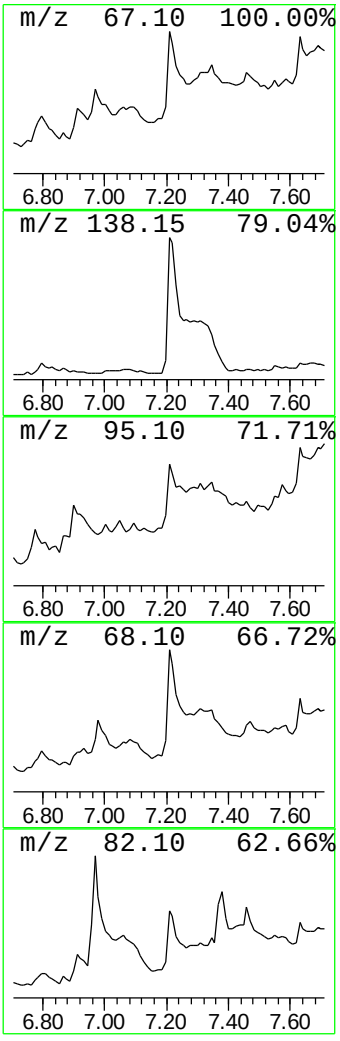
Peak Number 15 Naphthalene, decahydro-, tr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	19.85 ng	1770020	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	87
3	Cyclodecene	138	C10H18	003618-12-0	86
4	5H-Inden-5-one, octahydro-, trans-	138	C9H14O	004668-81-9	80
5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	58





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Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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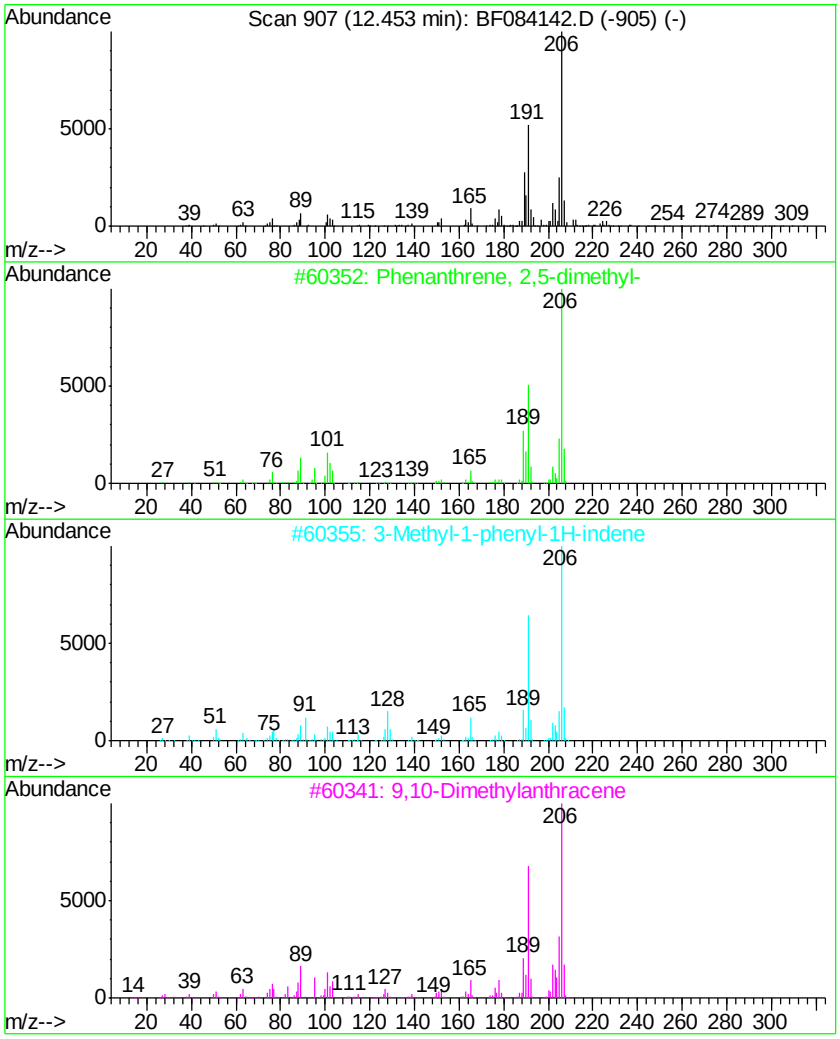
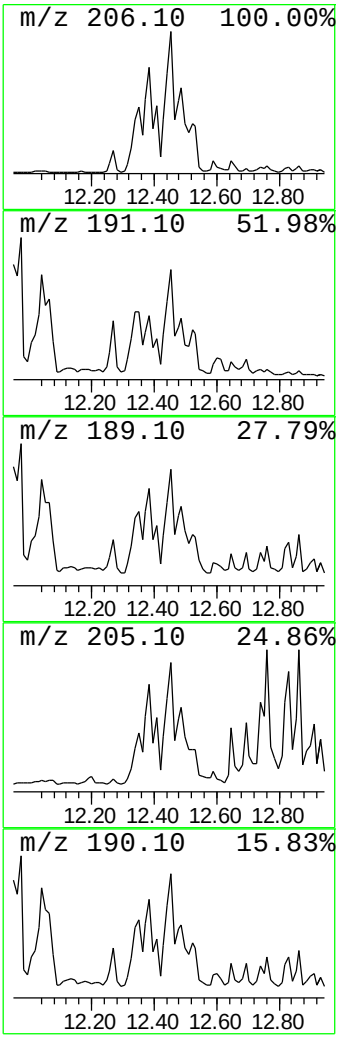
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	20.00 ng	1046640	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76





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Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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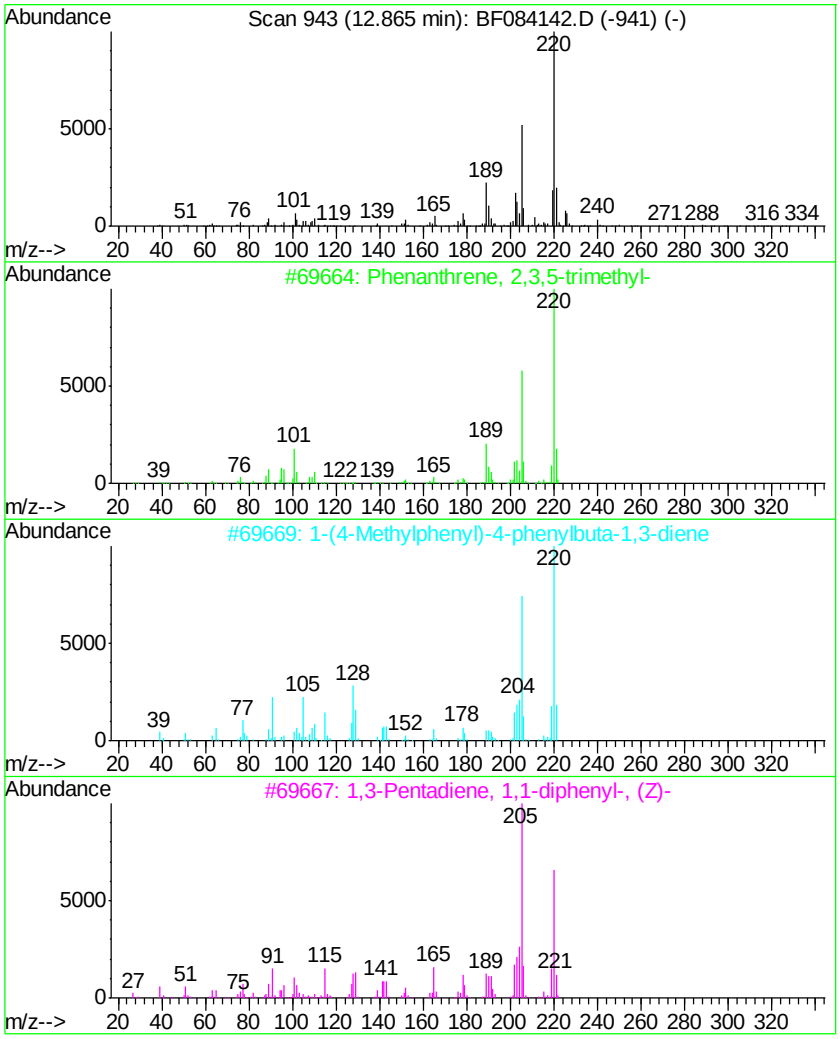
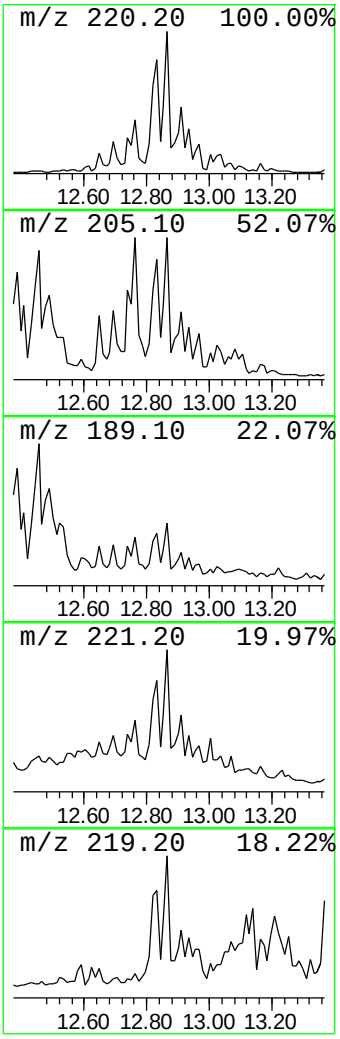
Peak Number 17 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	49.72 ng	1049470	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	90
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	80
3	1,3-Pentadiene, 1,1-diphenyl-, (Z)-	220	C17H16	015295-31-5	72
4	1-(Hydroxy-phenyl-methyl)-2-meth...	408	C27H36O3	108546-86-7	59
5	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	53





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Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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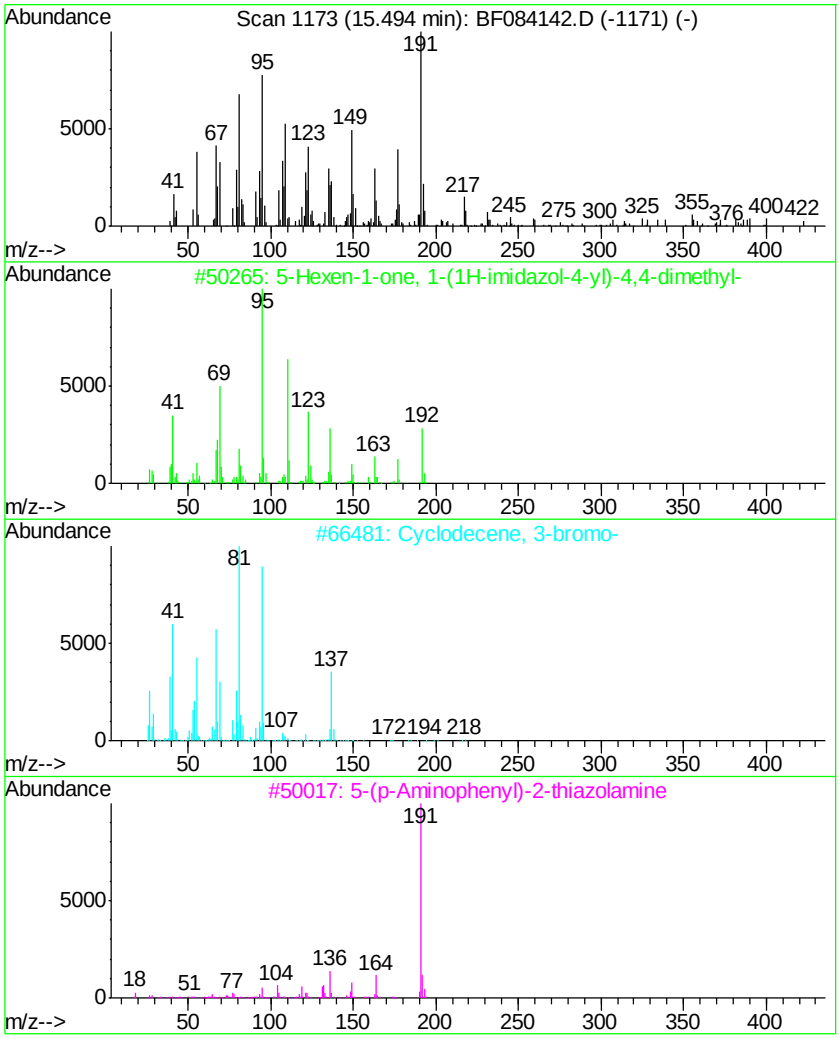
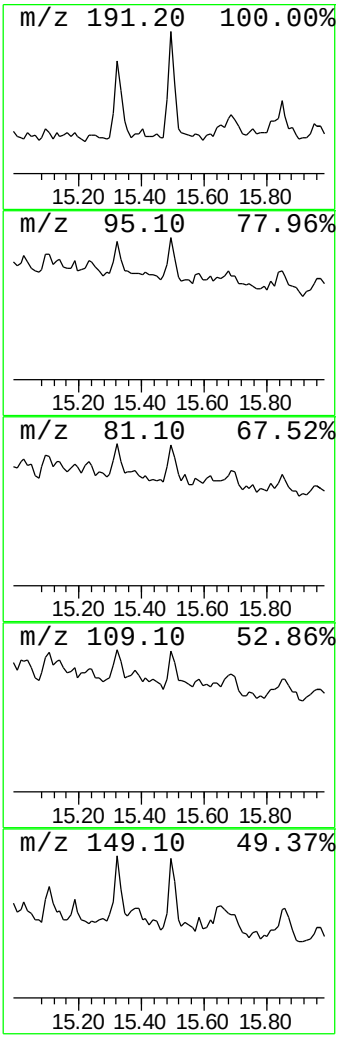
Peak Number 18 unknown15.49 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	11.74 ng	195789	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Hexen-1-one, 1-(1H-imidazol-4-...	192	C11H16N2O	069393-41-5	30
2	Cyclodecene, 3-bromo-	216	C10H17Br	056325-56-5	25
3	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	14
4	4-Methylimidazole-5-butyric acid...	250	C10H13F3N2O2	1000129-15-9	14
5	Bicyclo[3.3.0]octan-3-one, 6-iod...	264	C9H13IO	1000150-13-4	14





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Misc :
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Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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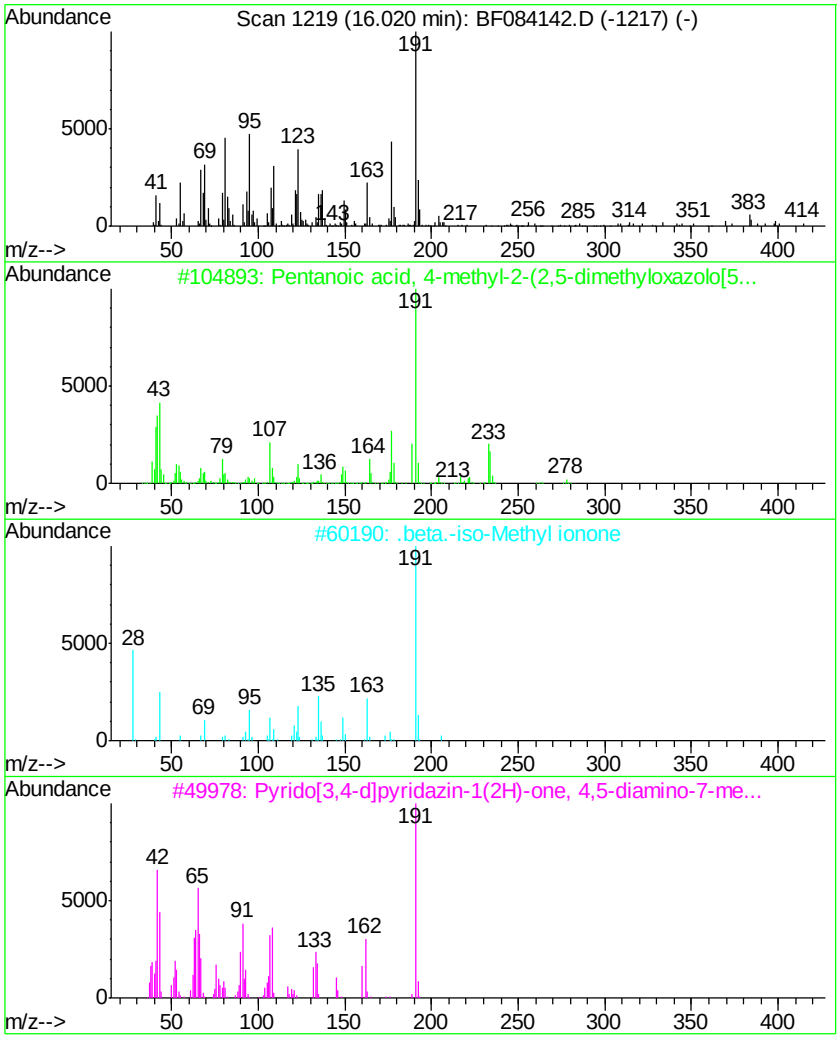
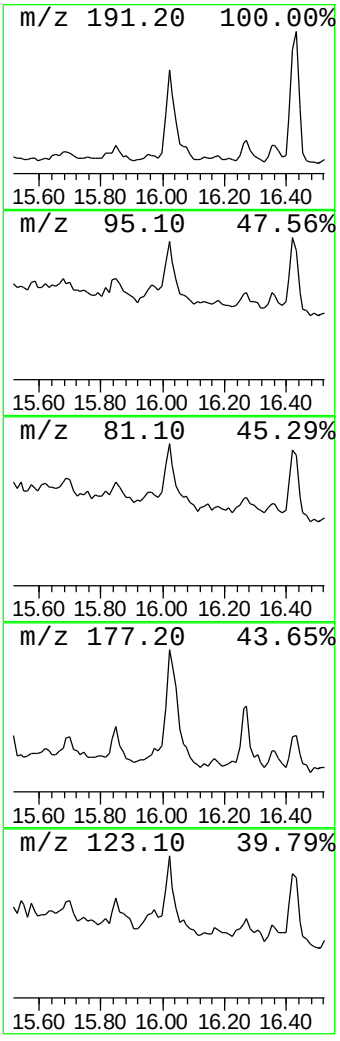
Peak Number 19 unknown16.02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	38.49 ng	641902	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 4-methyl-2-(2,5-...	278	C13H18N4O3	1000294-63-5	32
2	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	32
3	Pyrido[3,4-d]pyridazin-1(2H)-one...	191	C8H9N5O	1000263-69-7	25
4	1H-Pyrrolo[3,4-c]pyridine-1,3,(2...	191	C9H9N3O2	298688-32-1	22
5	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	22





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Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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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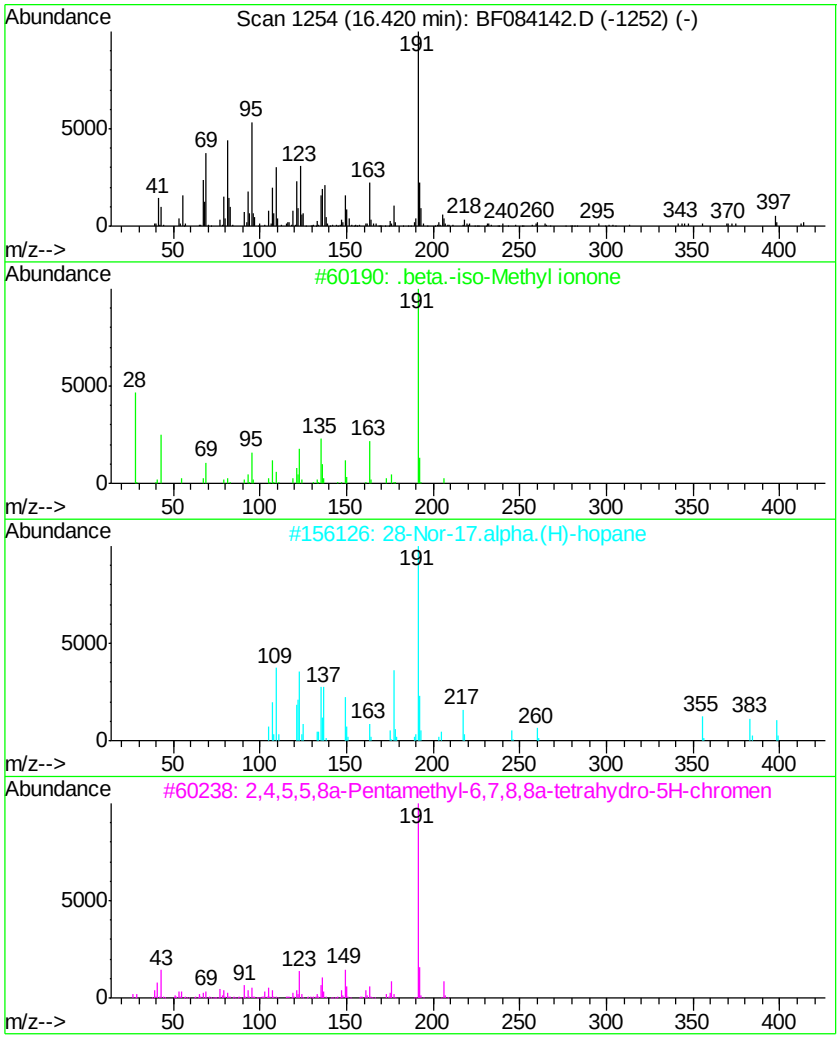
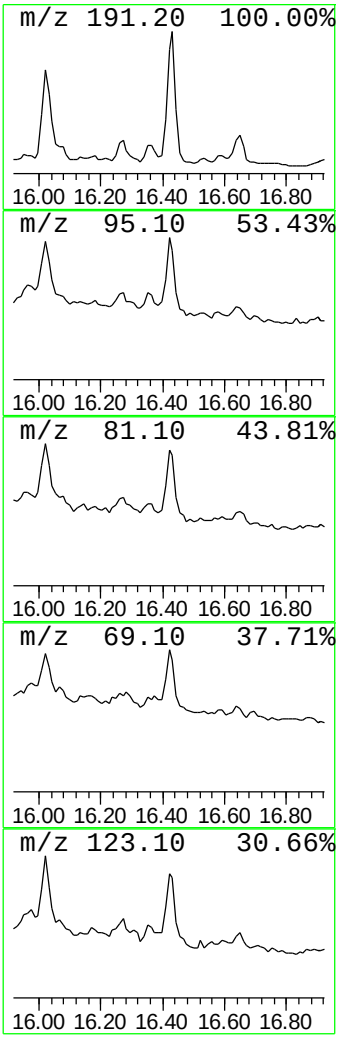
Peak Number 20 .beta.-iso-Methyl ionone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	38.54 ng	642798	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	68
2	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	50
3	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	40
4	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	38
5	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122515\
Data File : BF084142.D
Acq On : 25 Dec 2015 21:37
Operator : UM/SJ
Sample : G4960-05
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PJ-SB-300(16.0-16.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122415.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
Cyclohexane, ethyl-	4.88	8.2	ng	731260	1	6.81	1783340	20.0
4(1H)-Pyrimidinon...	4.94	6.8	ng	611138	1	6.81	1783340	20.0
Cyclohexane, 1,2,...	5.16	6.6	ng	589809	1	6.81	1783340	20.0
Cyclohexane, 1,2,...	5.54	6.5	ng	582536	1	6.81	1783340	20.0
Cyclohexane, 1-et...	5.63	8.6	ng	767515	1	6.81	1783340	20.0
Cyclohexane, 1-et...	5.80	13.0	ng	1155860	1	6.81	1783340	20.0
unknown5.86	5.86	5.8	ng	521267	1	6.81	1783340	20.0
Cyclohexanepropanol-	5.94	17.3	ng	1544630	1	6.81	1783340	20.0
Nonane, 3-methyl-	6.05	32.1	ng	2864660	1	6.81	1783340	20.0
Undecane, 5,6-dim...	6.25	22.1	ng	1971360	1	6.81	1783340	20.0
Cyclohexane, 1,1,...	6.34	39.5	ng	3526750	1	6.81	1783340	20.0
unknown6.58	6.58	46.1	ng	4112060	1	6.81	1783340	20.0
Cyclohexane, 1-me...	6.67	7.5	ng	665565	1	6.81	1783340	20.0
Cyclohexane, butyl-	6.97	29.4	ng	2620030	1	6.81	1783340	20.0
Naphthalene, deca...	7.21	19.9	ng	1770020	1	6.81	1783340	20.0
Phenanthrene, 2,5...	12.45	20.0	ng	1046640	4	11.45	1046640	20.0
Phenanthrene, 2,3...	12.87	49.7	ng	1049470	5	13.96	422182	20.0
unknown15.49	15.49	11.7	ng	195789	6	15.39	333541	20.0
unknown16.02	16.02	38.5	ng	641902	6	15.39	333541	20.0
.beta.-iso-Methyl...	16.42	38.5	ng	642798	6	15.39	333541	20.0