LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113110.D
Acq On : 19 Mar 2019 00:45
Operator : JU/SJ
Sample : K1970-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-2-E.WALL-NORTH

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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	2.216	7	22	28	rBV	150799	344276	2.07%	0.190%
2	2.716	91	107	114	rBV	422882	1155374	6.93%	0.637%
3	2.810	114	123	126	rVV	72356	167322	1.00%	0.092%
4	2.851	126	130	135	rVV	99670	188251	1.13%	0.104%
5	2.928	135	143	151	rVB2	69396	172320	1.03%	0.095%
6	3.081	153	169	179	rBV3	107635	353939	2.12%	0.195%
7	3.269	187	201	209	rBV2	143939	411699	2.47%	0.227%
8	3.534	235	246	258	rBV	173953	485917	2.91%	0.268%
9	3.669	258	269	278	rBV2	963726	2663865	15.98%	1.469%
10	3.740	278	281	286	rVV2	127168	228806	1.37%	0.126%
11	3.822	286	295	301	rVV	1047768	2181977	13.09%	1.203%
12	3.875	301	304	311	rVB2	121525	213921	1.28%	0.118%
13	3.975	311	321	326	rBV2	1091425	2095570	12.57%	1.155%
14	4.022	326	329	340	rVB	493237	765036	4.59%	0.422%
15	4.134	340	348	352	rBV3	393742	796785	4.78%	0.439%
16	4.187	352	357	366	rVB2	471014	935238	5.61%	0.516%
17	4.328	374	381	392	rVB2	3334624	5829040	34.96%	3.214%
18	4.439	392	400	408	rVB2	799326	1203293	7.22%	0.663%
19	4.534	413	416	423	rVB3	193189	350225	2.10%	0.193%
20	4.604	423	428	433	rBV2	234388	372601	2.24%	0.205%
21	4.657	433	437	440	rBV	592021	765621	4.59%	0.422%
22	4.687	440	442	447	rVB3	247653	316693	1.90%	0.175%
23	4.769	447	456	460	rBV	1512067	2408545	14.45%	1.328%
24	4.822	460	465	468	rBV3	476144	922814	5.54%	0.509%
25	4.863	468	472	478	rVB3	2879374	4552685	27.31%	2.510%
26	4.922	478	482	487	rBV	2395811	3008410	18.05%	1.659%
27	4.992	492	494	498	rVB2	479302	537033	3.22%	0.296%
28	5.057	502	505	513	rVB	603983	872829	5.24%	0.481%
29	5.134	513	518	524	rBV	2850541	5054591	30.32%	2.787%
30	5.198	524	529	531	rBV	2248021	2386530	14.32%	1.316%
31	5.228	531	534	536	rBV	1473342	1696181	10.17%	0.935%
32	5.257	536	539	545	rVB	2803231	3571102	21.42%	1.969%
33	5.334	545	552	563	rVB3	5443174	12469502	74.80%	6.875%
34	5.422	563	567	573	rBV2	1143322	1416158	8.49%	0.781%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113110.D
Acq On : 19 Mar 2019 00:45
Operator : JU/SJ
Sample : K1970-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-2-E.WALL-NORTH

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	5.469	573	575	577	rVB	305204	236746	1.42%	0.131%
36	5.504	577	581	586	rBV2	2606905	4551894	27.30%	2.510%
37	5.551	586	589	591	rBV	1779038	1637064	9.82%	0.903%
38	5.592	591	596	602	rVB3	2072227	4149388	24.89%	2.288%
39	5.663	602	608	619	rVB	6735998	12701461	76.19%	7.003%
40	5.763	619	625	629	rBV3	3306948	5079538	30.47%	2.801%
41	5.816	629	634	642	rVB4	1101726	2581863	15.49%	1.424%
42	5.904	642	649	654	rBV2	4416169	8012816	48.06%	4.418%
43	5.957	655	658	662	rBV4	714633	1090706	6.54%	0.601%
44	6.004	662	666	672	rBV4	5698517	12652538	75.90%	6.976%
45	6.063	673	676	679	rVB2	1653087	1742011	10.45%	0.960%
46	6.204	693	700	706	rBV3	4233784	11563635	69.36%	6.376%
47	6.298	706	716	722	rVV7	4659344	16671082	100.00%	9.192%
48	6.357	722	726	729	rBV2	2534717	3600892	21.60%	1.985%
49	6.439	737	740	746	rVB2	2562688	4731460	28.38%	2.609%
50	6.516	746	753	760	rBV6	2530842	8116053	48.68%	4.475%
51	6.598	760	767	768	rBV	5838486	10517342	63.09%	5.799%
52	6.786	796	799	802	rBV	2576782	3693658	22.16%	2.037%
53	6.916	818	821	823	rBV3	2034083	2833048	16.99%	1.562%
54	7.080	846	849	852	rBV3	2315284	3806822	22.83%	2.099%
55	15.286	2240	2244	2247	rBV	430824	501399	3.01%	0.276%

Sum of corrected areas: 181365565

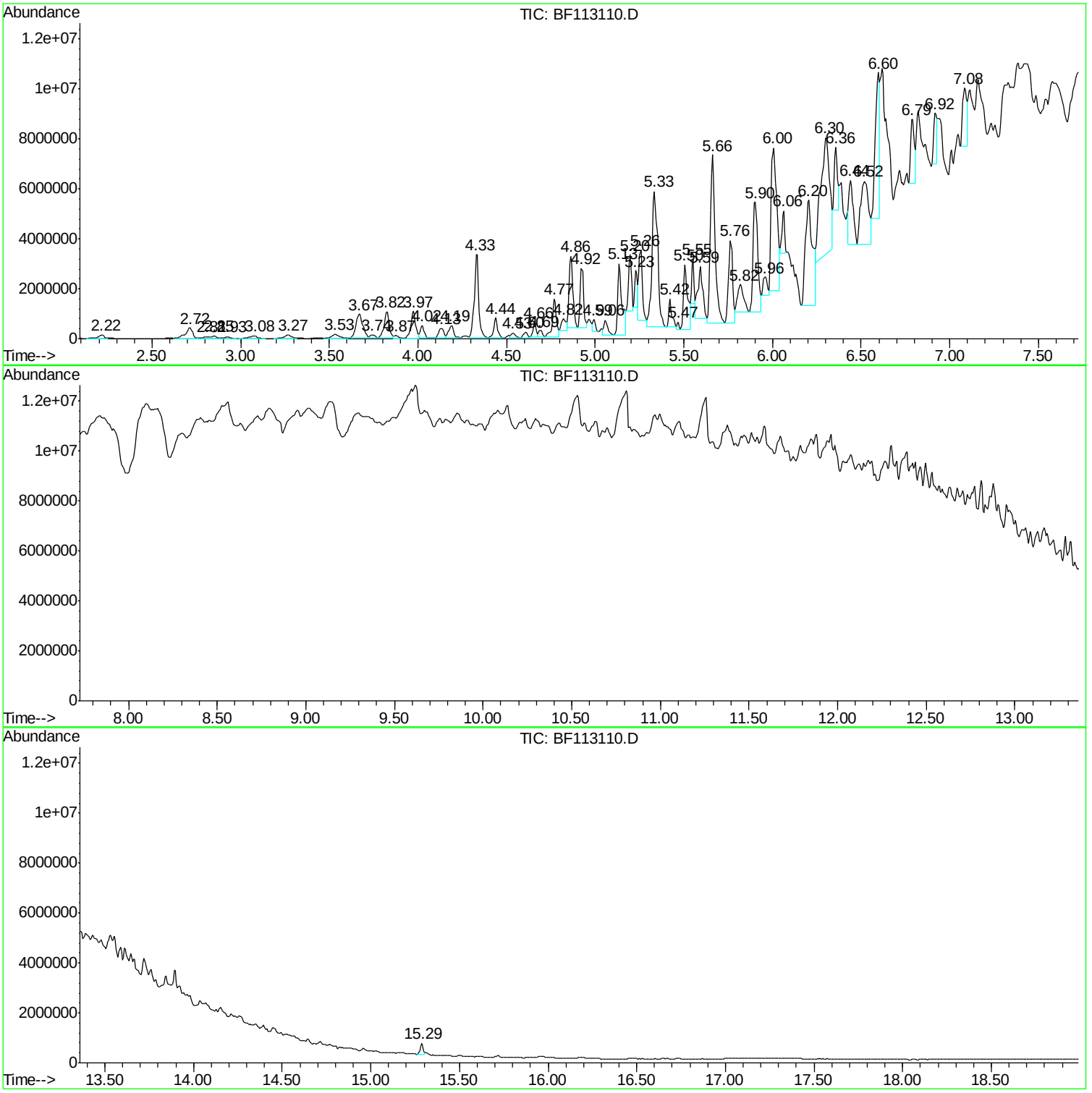
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113110.D
Acq On : 19 Mar 2019 00:45
Operator : JU/SJ
Sample : K1970-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-2-E.WALL-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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 : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113110.D
Acq On : 19 Mar 2019 00:45
Operator : JU/SJ
Sample : K1970-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-2-E.WALL-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

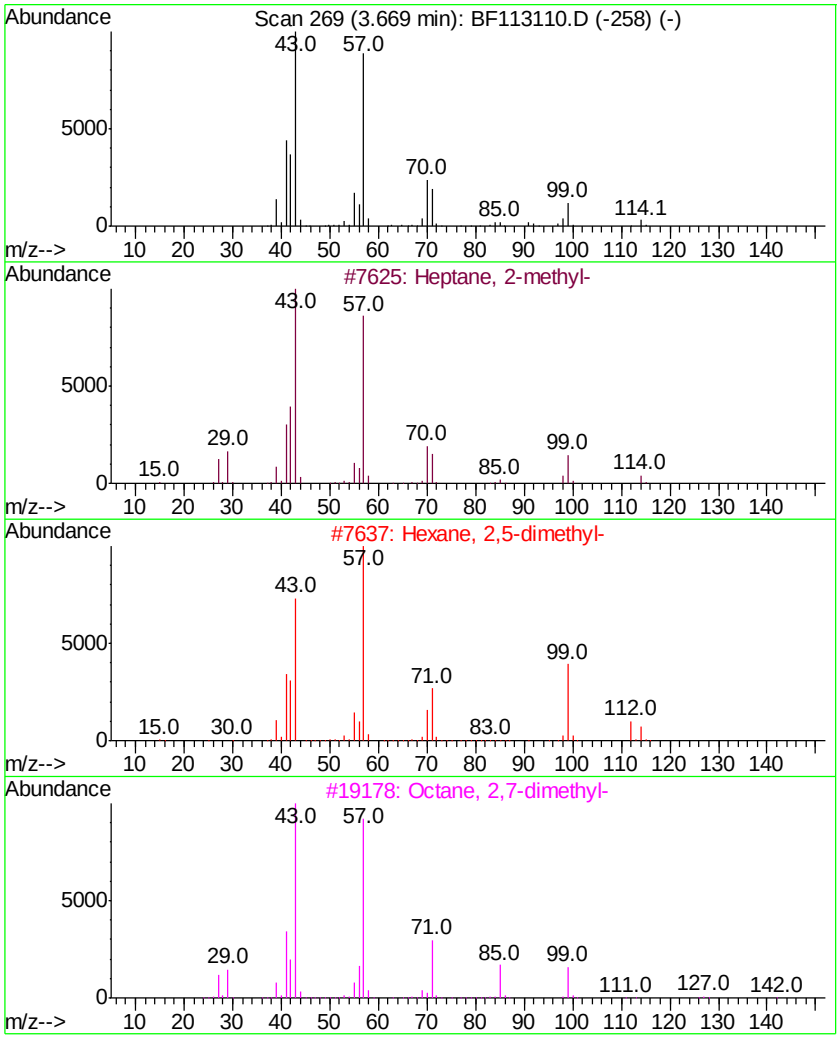
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

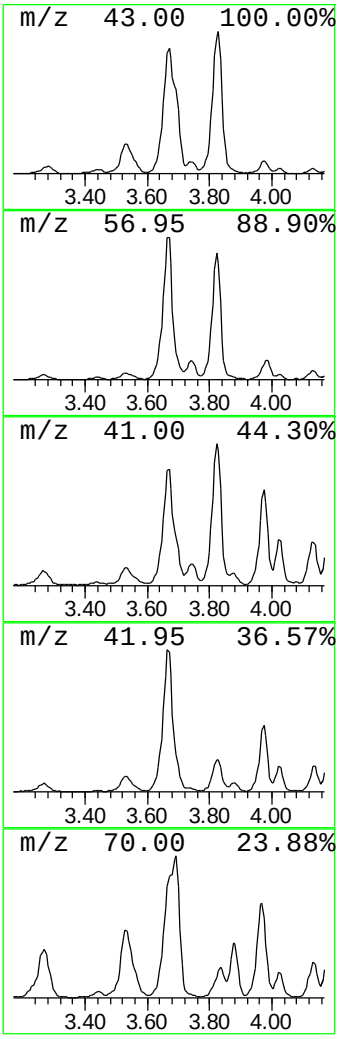
****

Peak Number 1 Heptane, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.67	14.42 ng	2663870	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	83
3	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	40
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	40
5	Propane, 1-isocyanato-2-methyl-	99	C5H9NO	001873-29-6	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113110.D
Acq On : 19 Mar 2019 00:45
Operator : JU/SJ
Sample : K1970-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-2-E.WALL-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

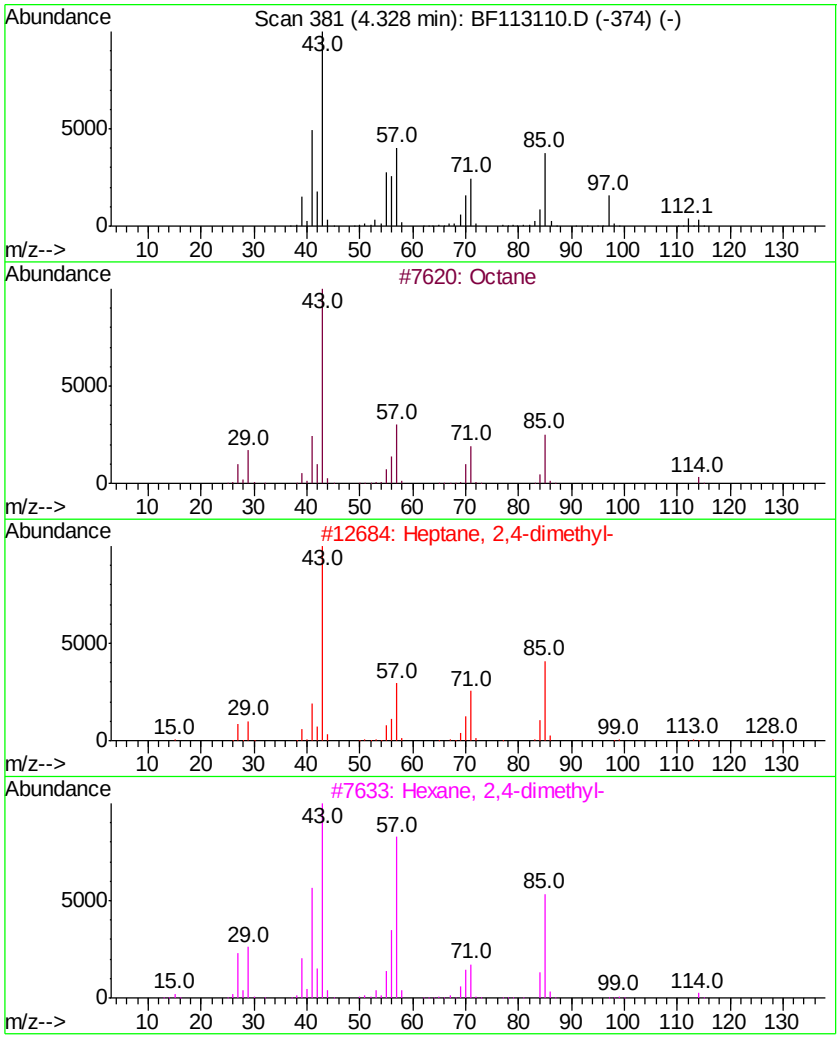
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

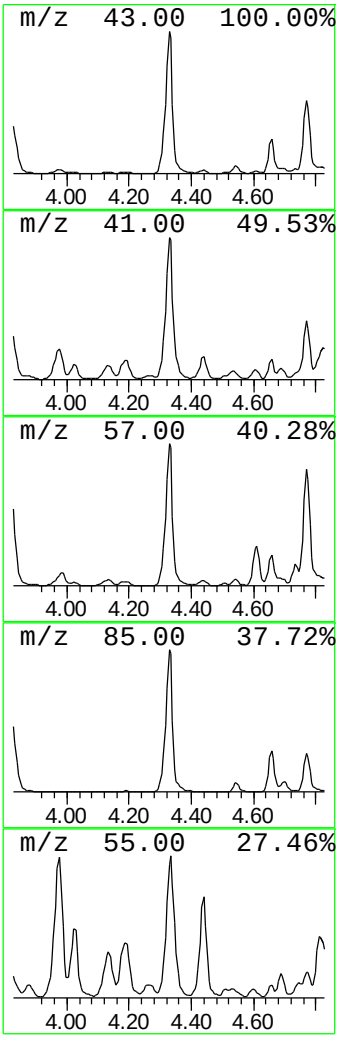
****

Peak Number 2 Octane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.33	31.56 ng	5829040	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	74
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58
4	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	53
5	Sulfurous acid, hexyl pentadecyl...	376	C21H44O3S	1000309-13-7	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113110.D
Acq On : 19 Mar 2019 00:45
Operator : JU/SJ
Sample : K1970-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-2-E.WALL-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

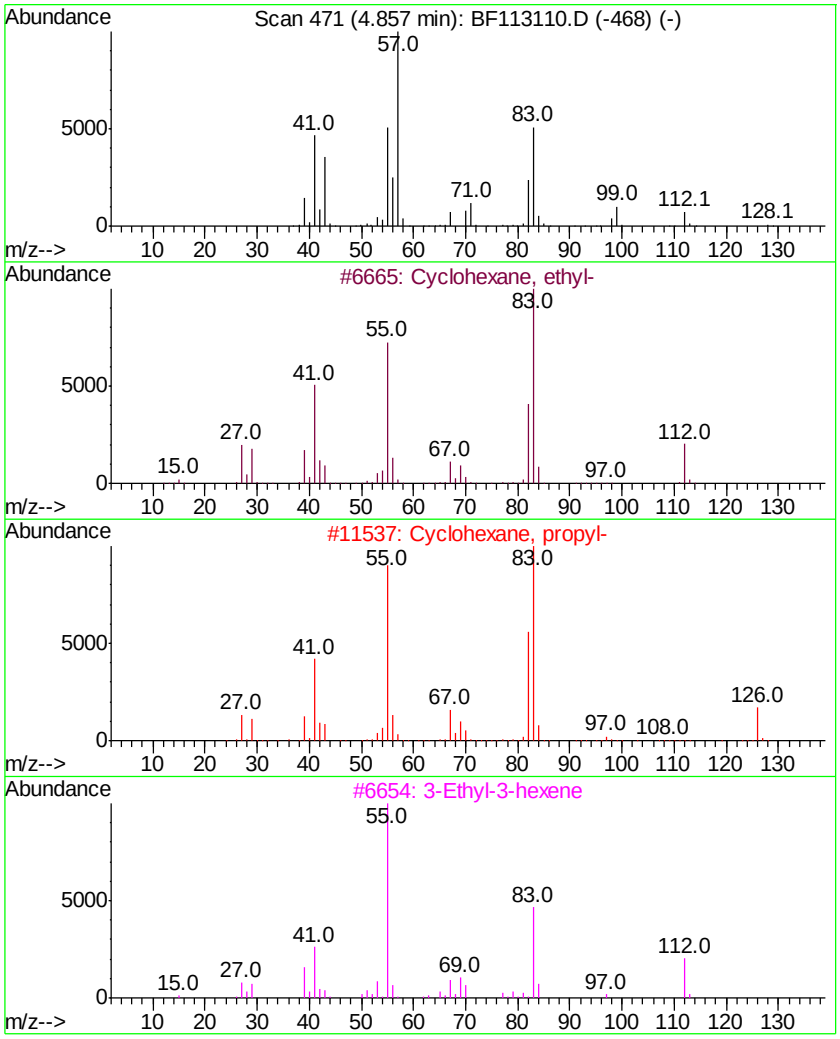
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

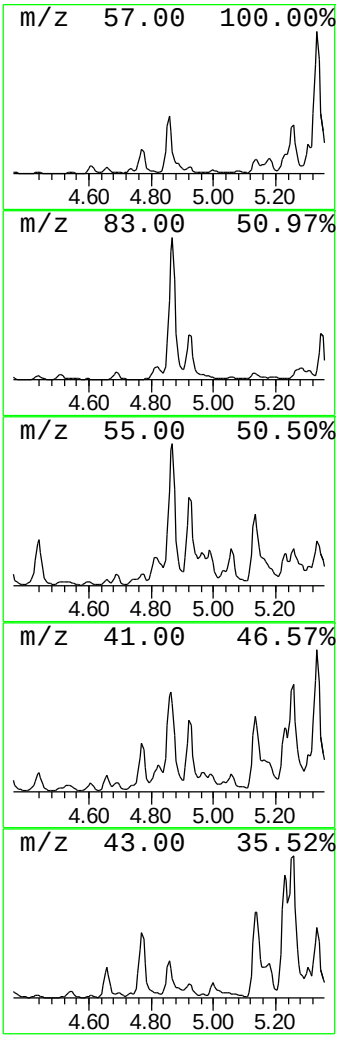
****

Peak Number 3 Cyclohexane, ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.86	24.65 ng	4552690	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	76
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	59
3	3-Ethyl-3-hexene	112	C8H16	016789-51-8	53
4	trans-4,4-Dimethyl-2-hexene	112	C8H16	019550-83-5	49
5	2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113110.D
Acq On : 19 Mar 2019 00:45
Operator : JU/SJ
Sample : K1970-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-2-E.WALL-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

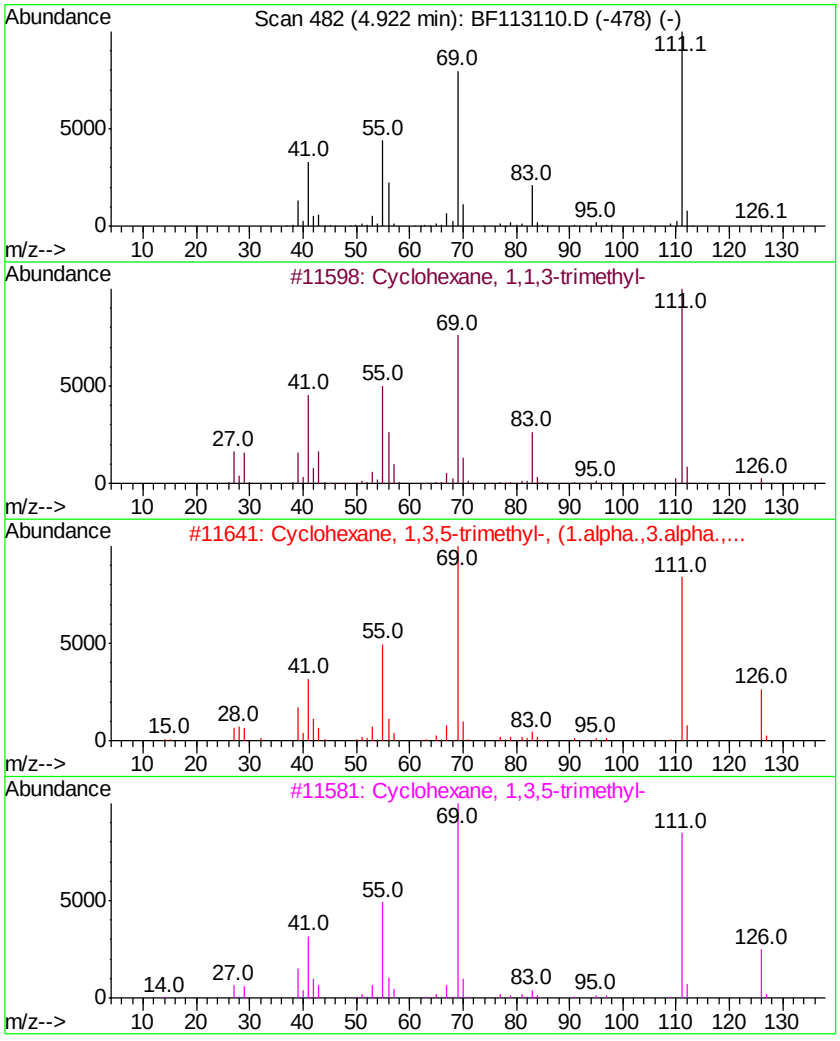
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

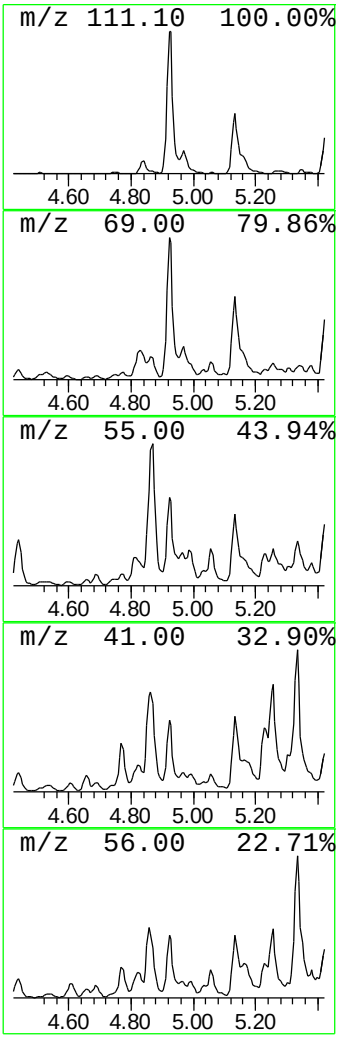
****

Peak Number 4 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	16.29 ng	3008410	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
4	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	56
5	6-Methyl-hept-2-yn-4-ol	126	C8H14O	060018-69-1	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113110.D
Acq On : 19 Mar 2019 00:45
Operator : JU/SJ
Sample : K1970-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-2-E.WALL-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

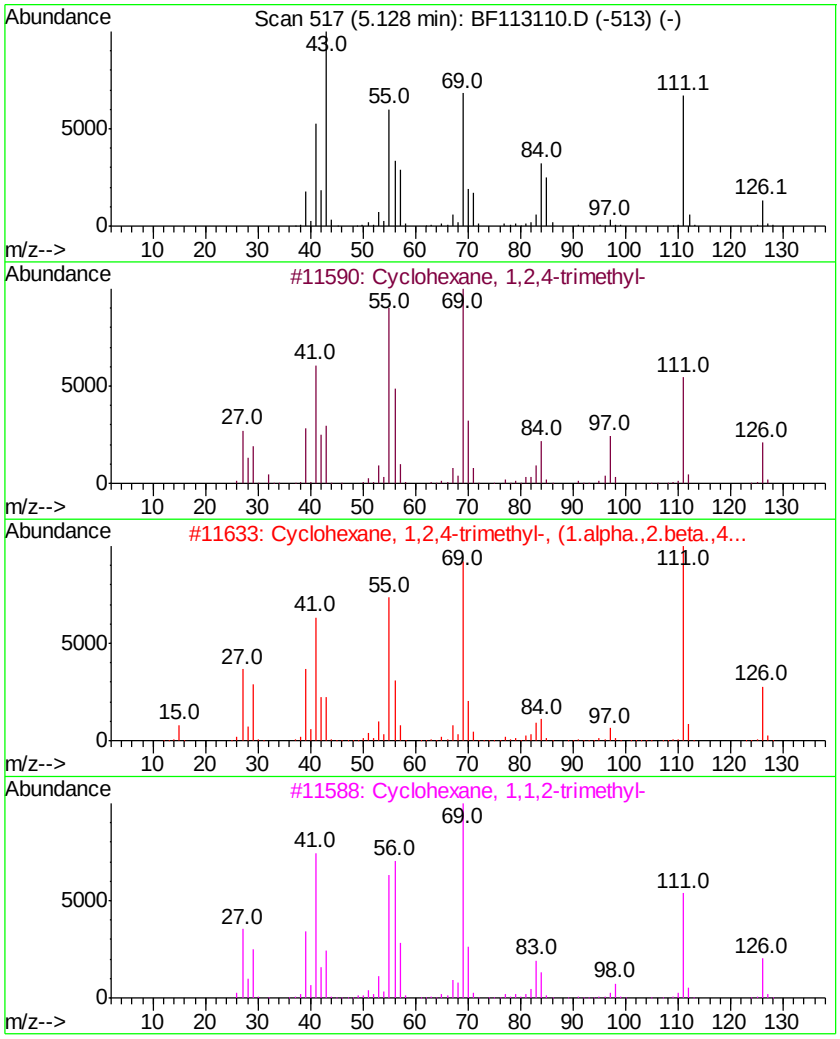
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

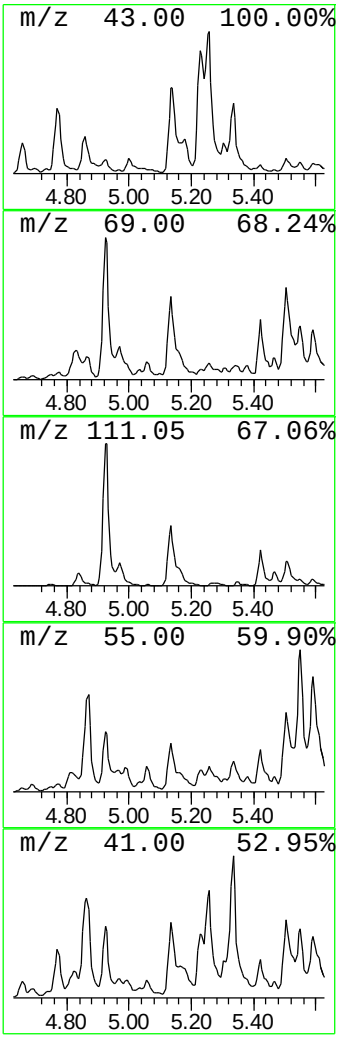
****

Peak Number 5 unknown5.13 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	27.37 ng	5054590	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	47
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	46
3	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	43
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	38
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113110.D
Acq On : 19 Mar 2019 00:45
Operator : JU/SJ
Sample : K1970-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-2-E.WALL-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

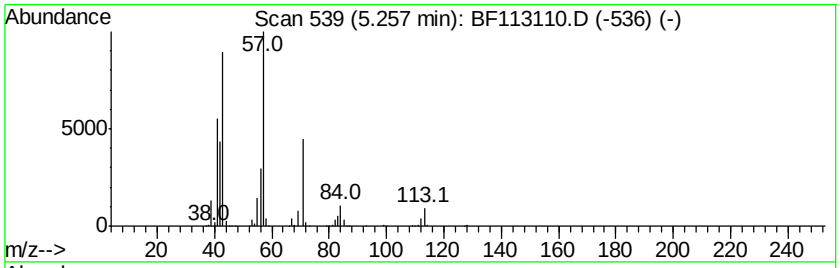
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

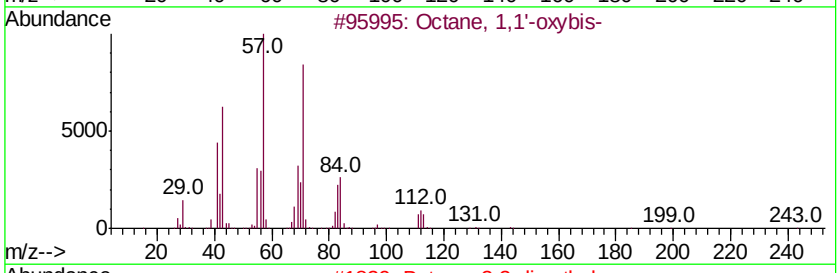
****

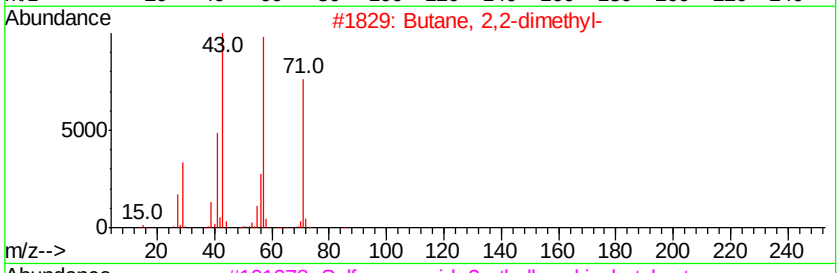
Peak Number 6 Octane, 1,1'-oxybis- Concentration Rank 16

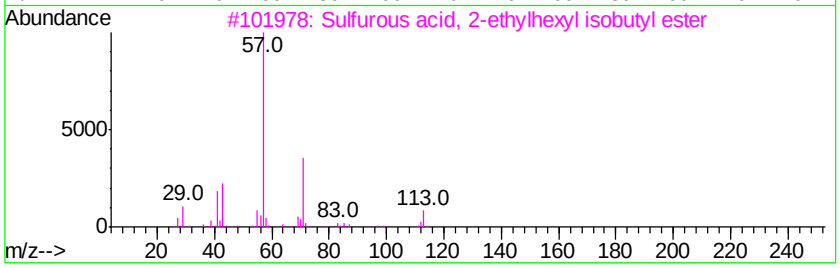
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.26	19.34 ng	3571100	1,4-Dichlorobenzene-d4	6.75

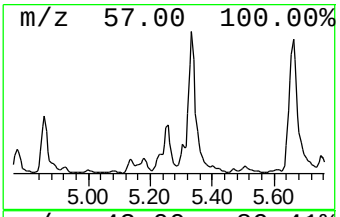
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	50
2	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	47
3	Sulfurous acid, 2-ethylhexyl iso...	250	C12H26O3S	1000309-18-7	43
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43
5	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	43

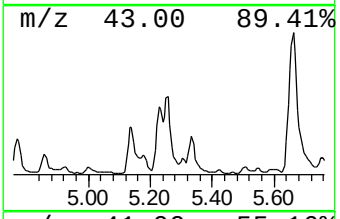


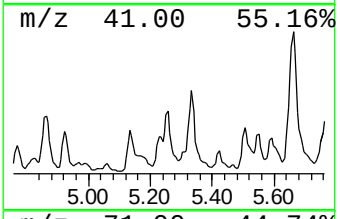


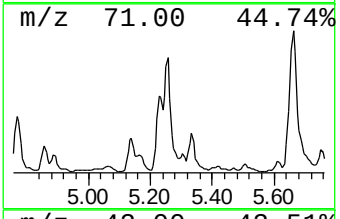


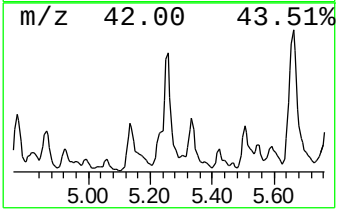












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113110.D
Acq On : 19 Mar 2019 00:45
Operator : JU/SJ
Sample : K1970-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-2-E.WALL-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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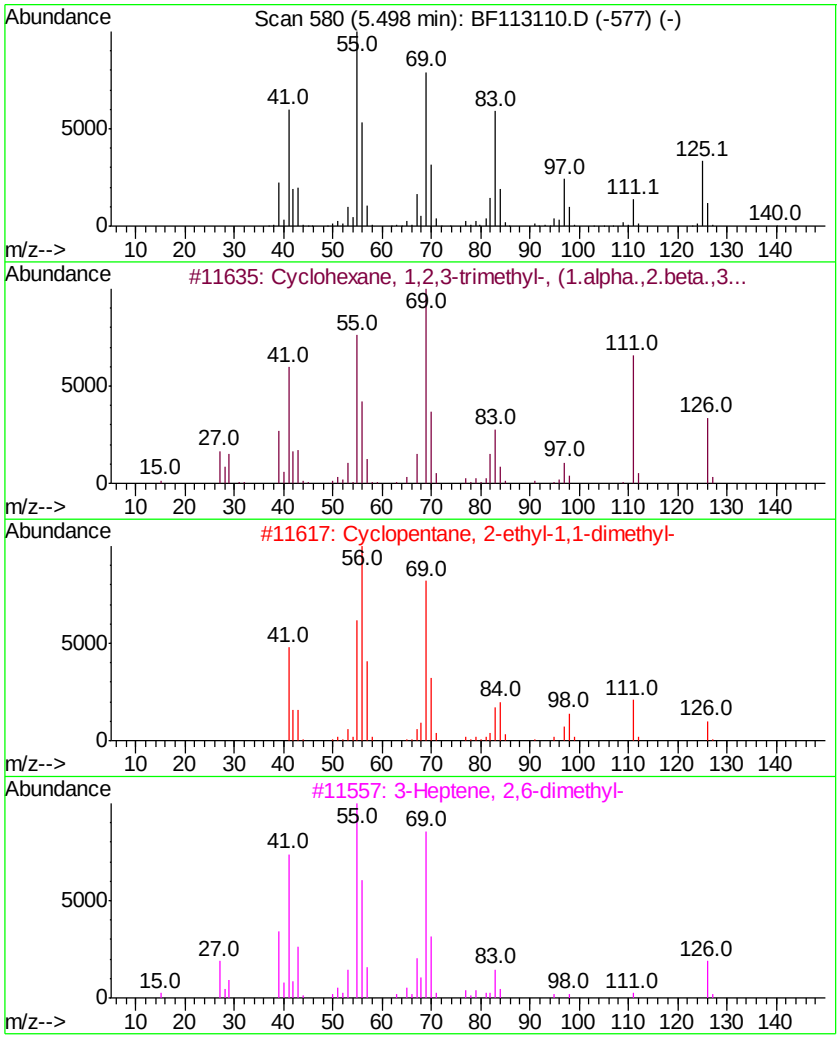
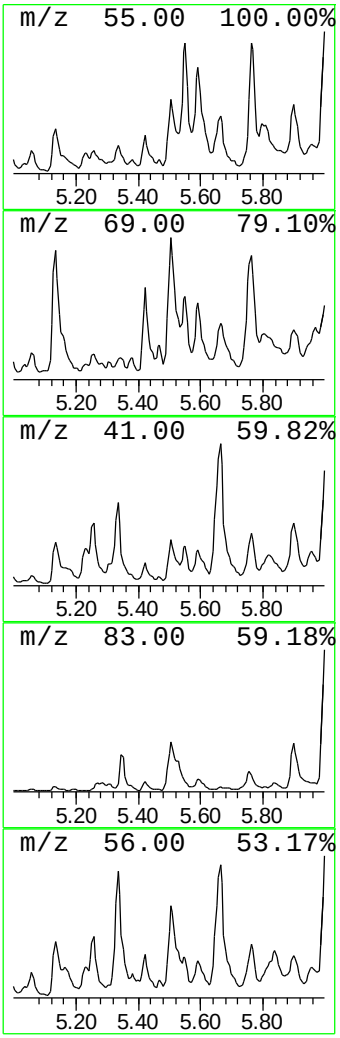
Peak Number 7 Cyclohexane, 1,2,3-trimethy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.50	24.65 ng	4551890	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	64
2	Cyclopentane, 2-ethyl-1,1-dimethyl-	126	C9H18	054549-80-3	53
3	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	53
4	Cyclopentane, butyl-	126	C9H18	002040-95-1	52
5	3-Nonene, (E)-	126	C9H18	020063-92-7	49





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Acq On : 19 Mar 2019 00:45
Operator : JU/SJ
Sample : K1970-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-2-E.WALL-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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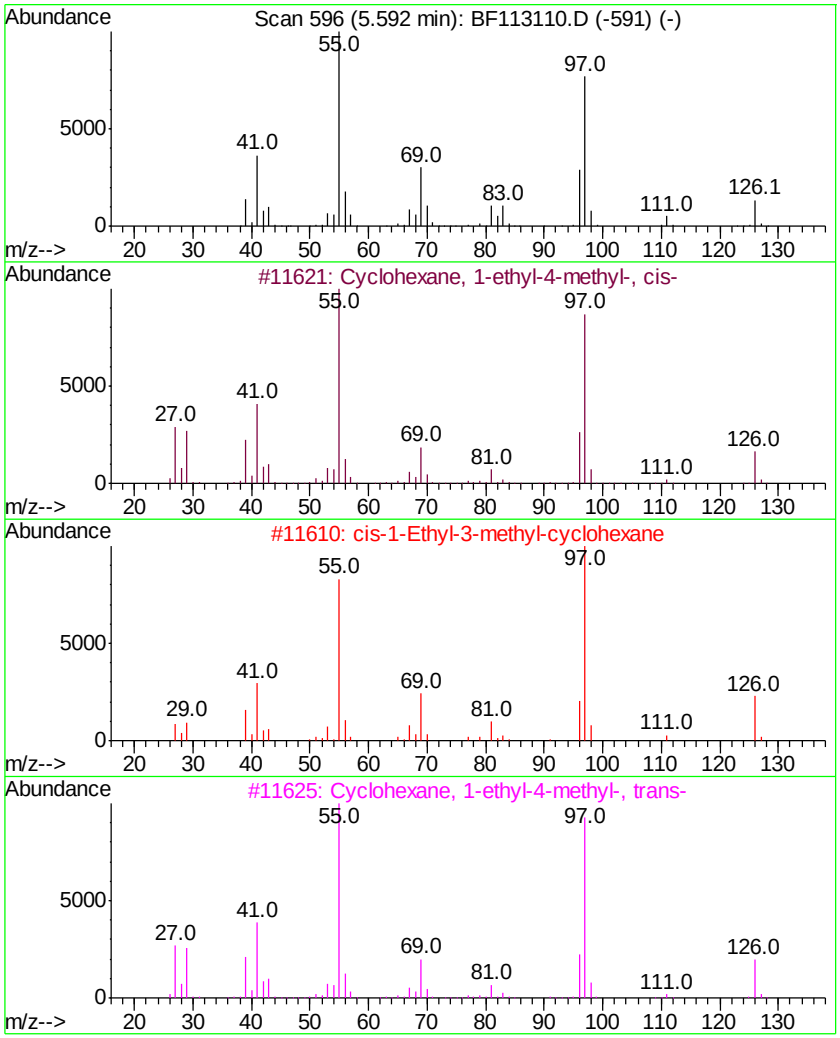
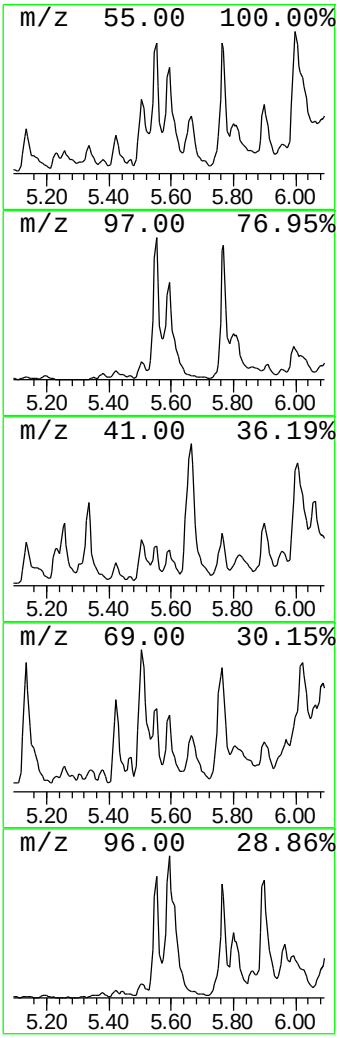
Peak Number 8 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.59	22.47 ng	4149390	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64





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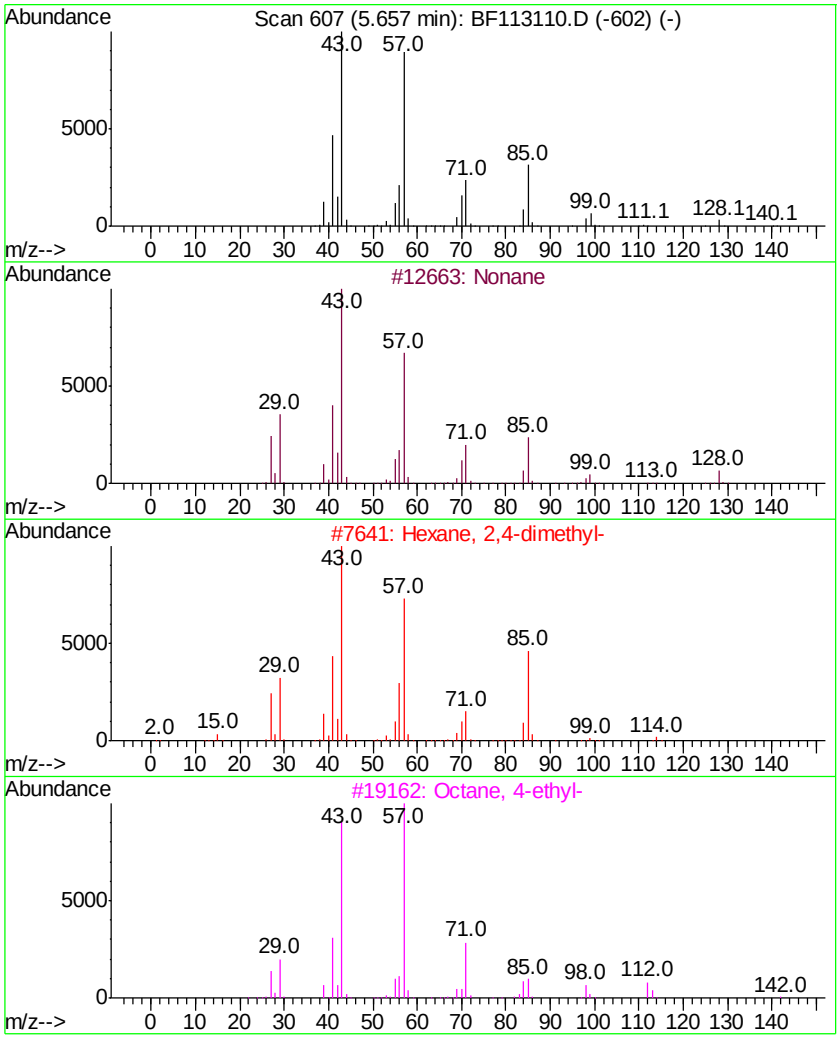
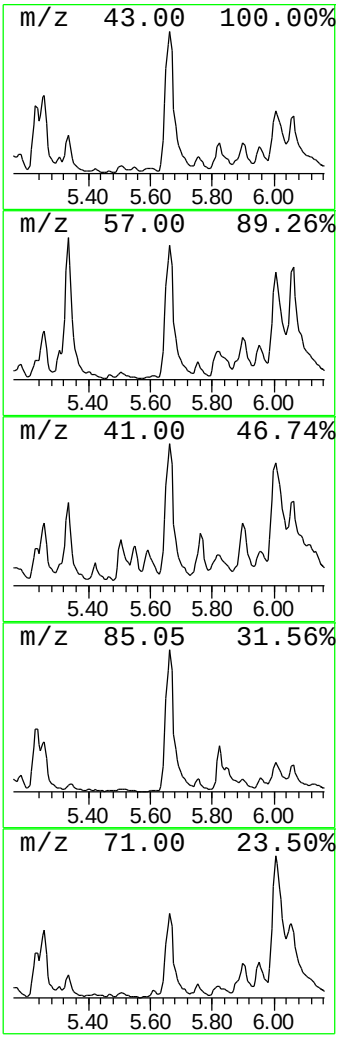
Peak Number 9 Nonane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.66	68.77 ng	12701500	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	90
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
3	Octane, 4-ethyl-	142	C10H22	015869-86-0	53
4	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	53
5	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	50





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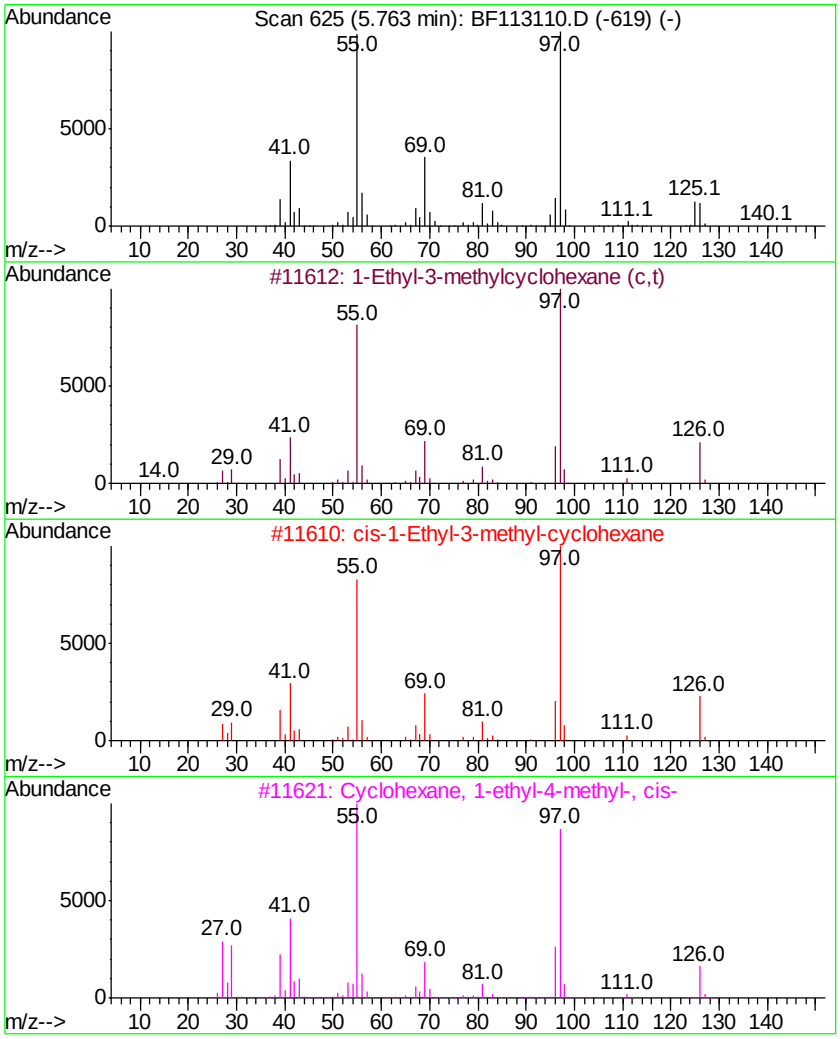
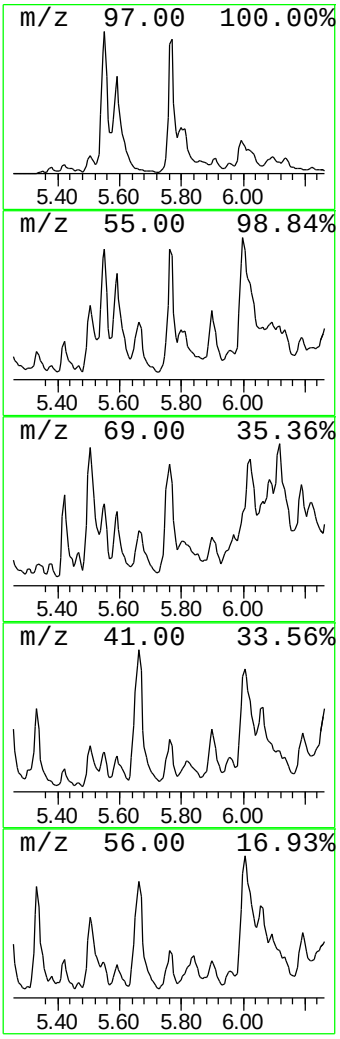
Peak Number 10 1-Ethyl-3-methylcyclohexane... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.76	27.50 ng	5079540	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	90
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	90
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	83
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	64





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TIC Integration Parameters: LSCINT.P

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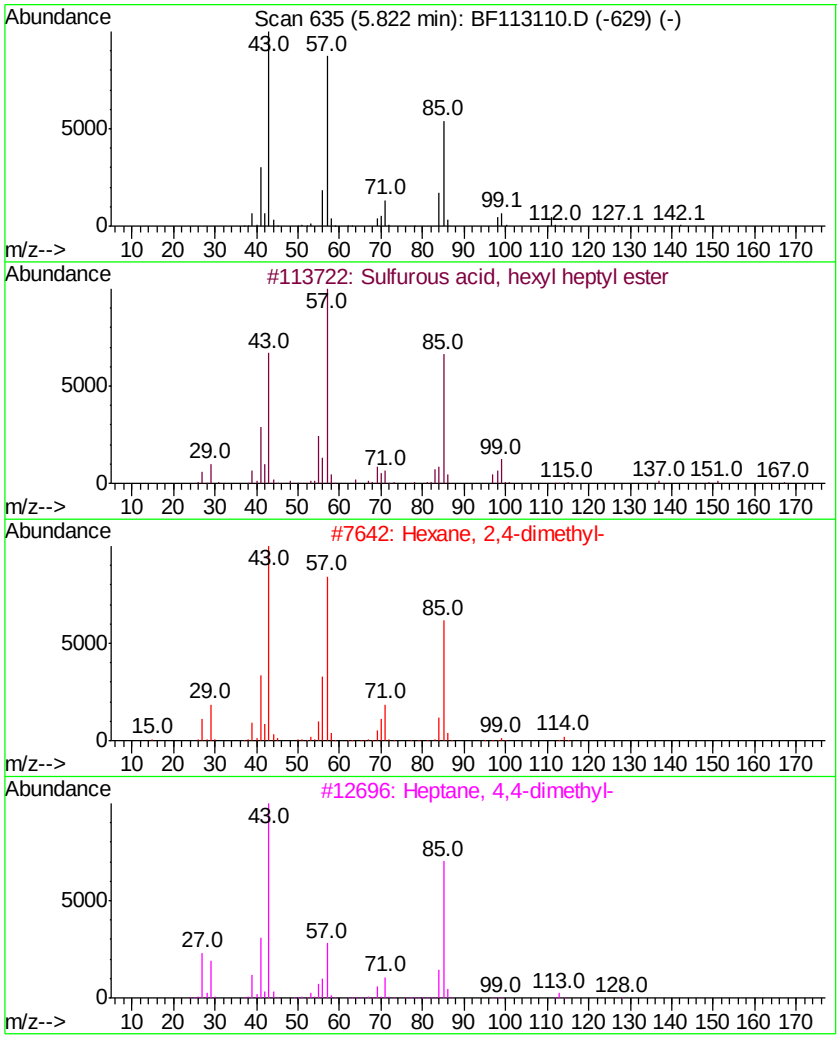
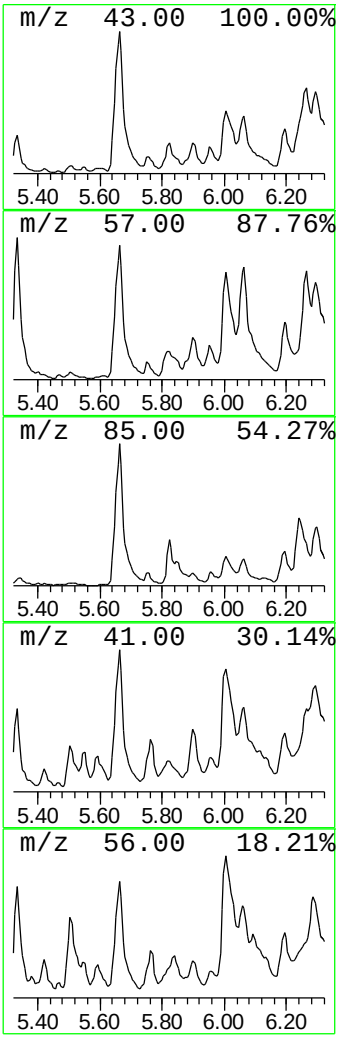
Peak Number 11 Sulfurous acid, hexyl hepty... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	13.98 ng	2581860	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	64
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
3	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	50
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50
5	2,2-Dimethyl-3-heptanone	142	C9H18O	019078-97-8	50





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ClientSampleId : P-2-E.WALL-NORTH

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TIC Library : C:\DATABASE\NIST11.L
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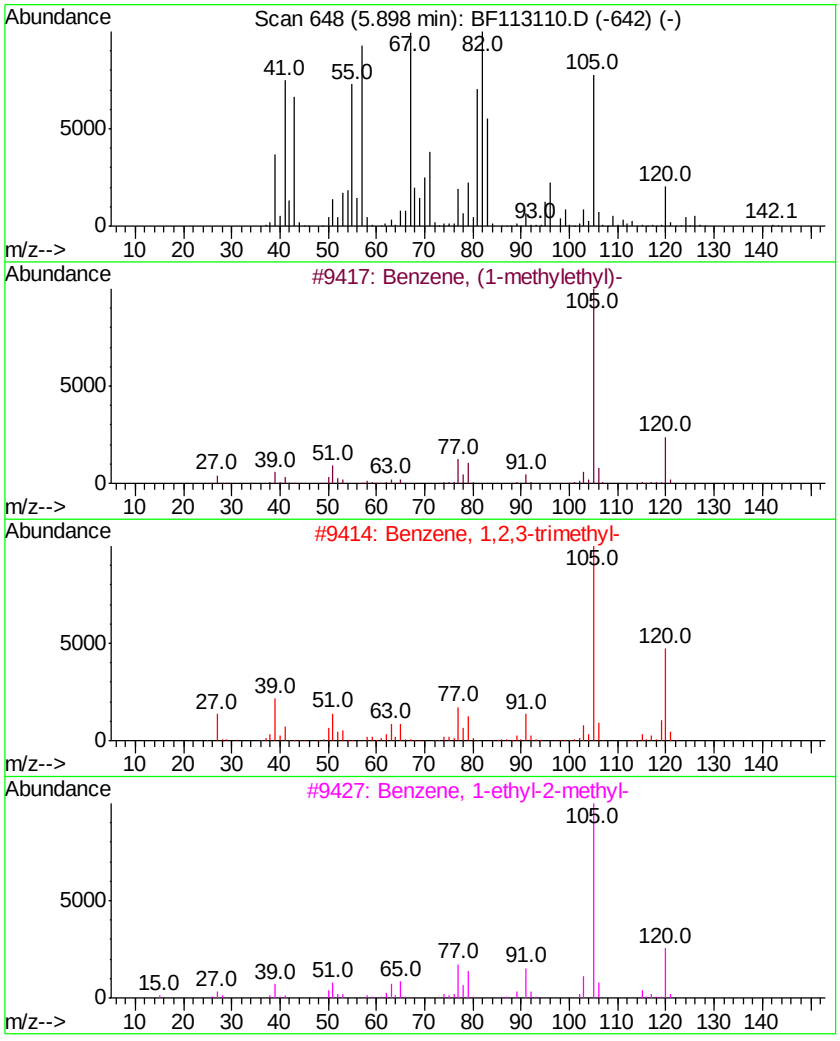
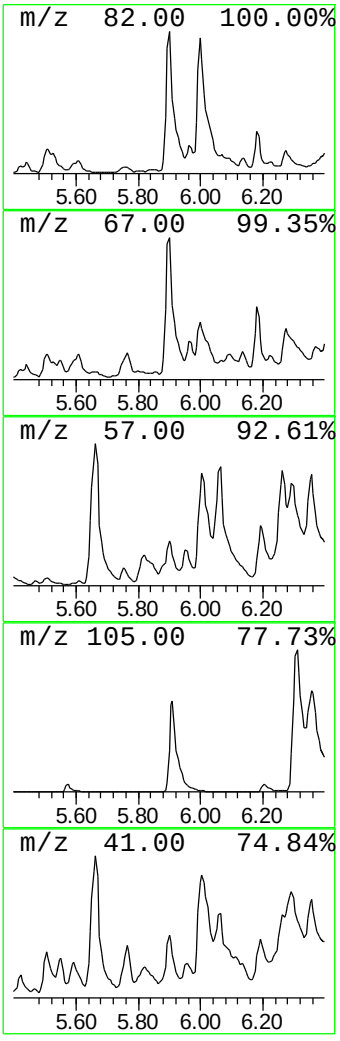
Peak Number 12 unknown5.90 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.90	43.39 ng	8012820	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	35
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	30
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	25
4	Mesitylene	120	C9H12	000108-67-8	14
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	14





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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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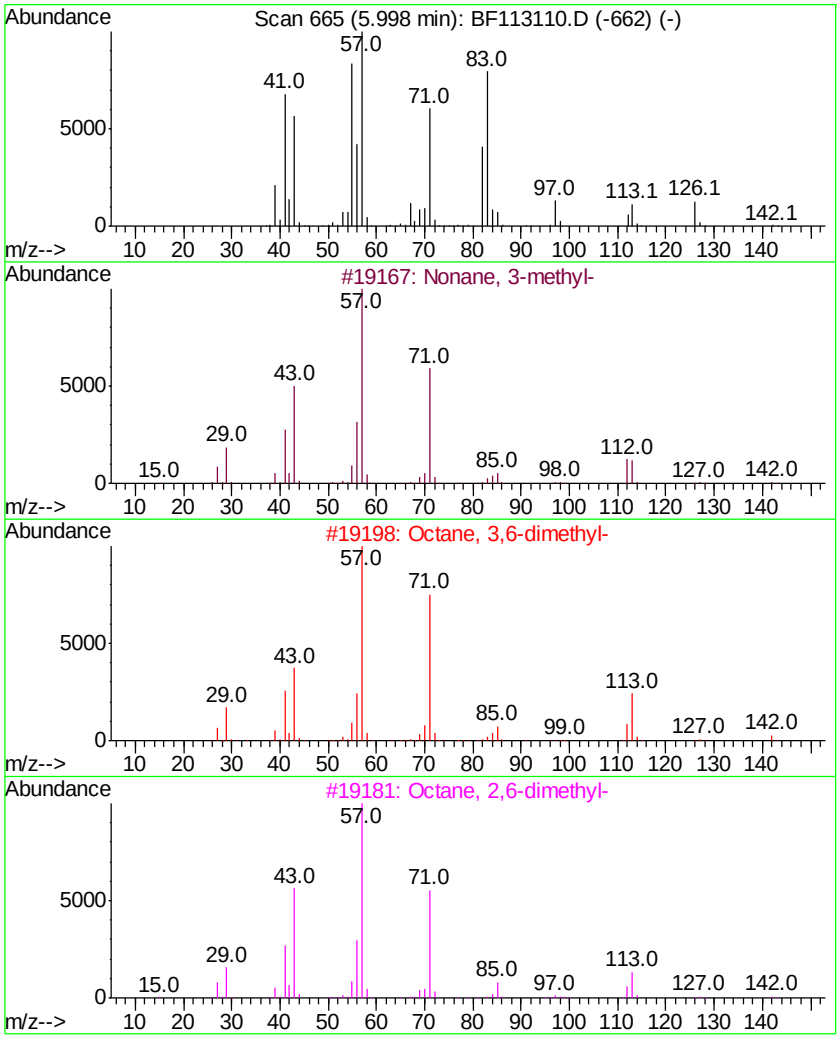
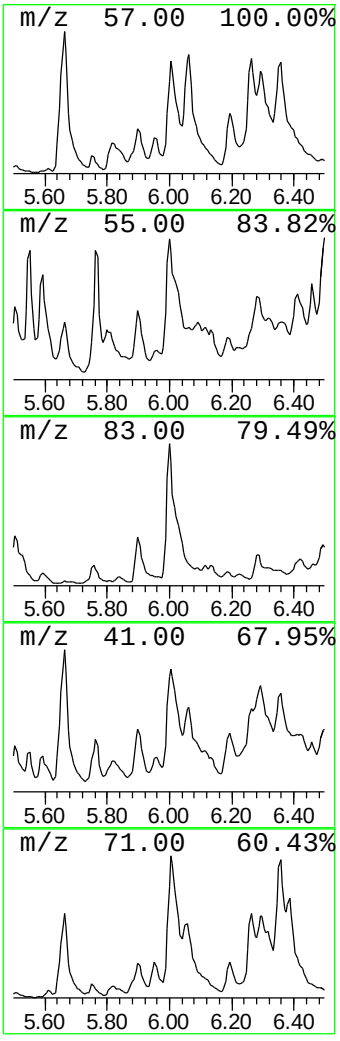
Peak Number 13 Nonane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	68.51 ng	12652500	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	43
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	30
5	3-Bromooctane	192	C8H17Br	000999-64-4	30





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ClientSampleId : P-2-E.WALL-NORTH

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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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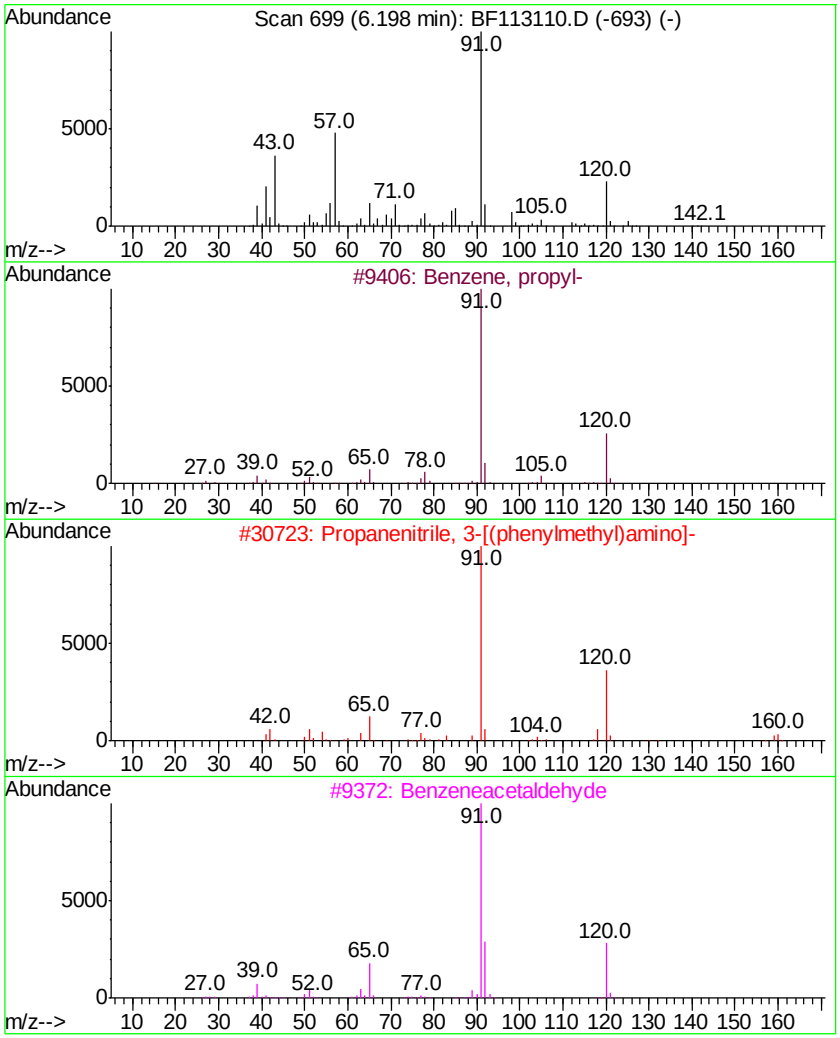
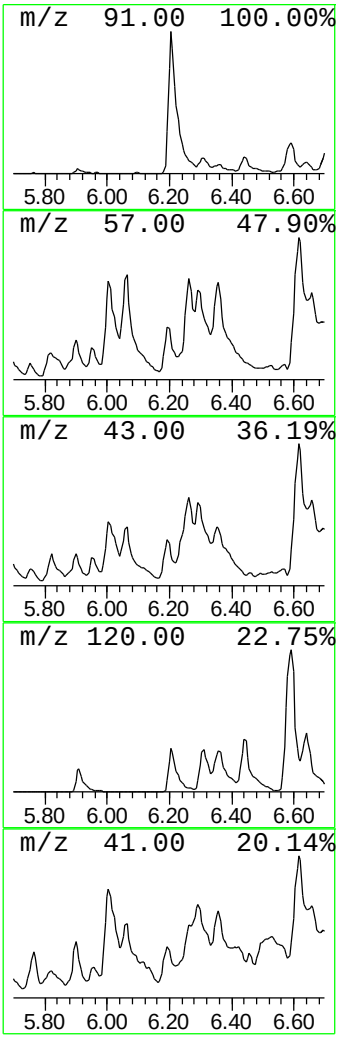
Peak Number 14 Benzene, propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.20	62.61 ng	11563600	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	76
2	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	59
3	Benzeneacetaldehyde	120	C8H8O	000122-78-1	43
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	38
5	Phosphonous dichloride, (phenylm...	192	C7H7Cl2P	004545-85-1	38





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ClientSampleId : P-2-E.WALL-NORTH

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TIC Library : C:\DATABASE\NIST11.L
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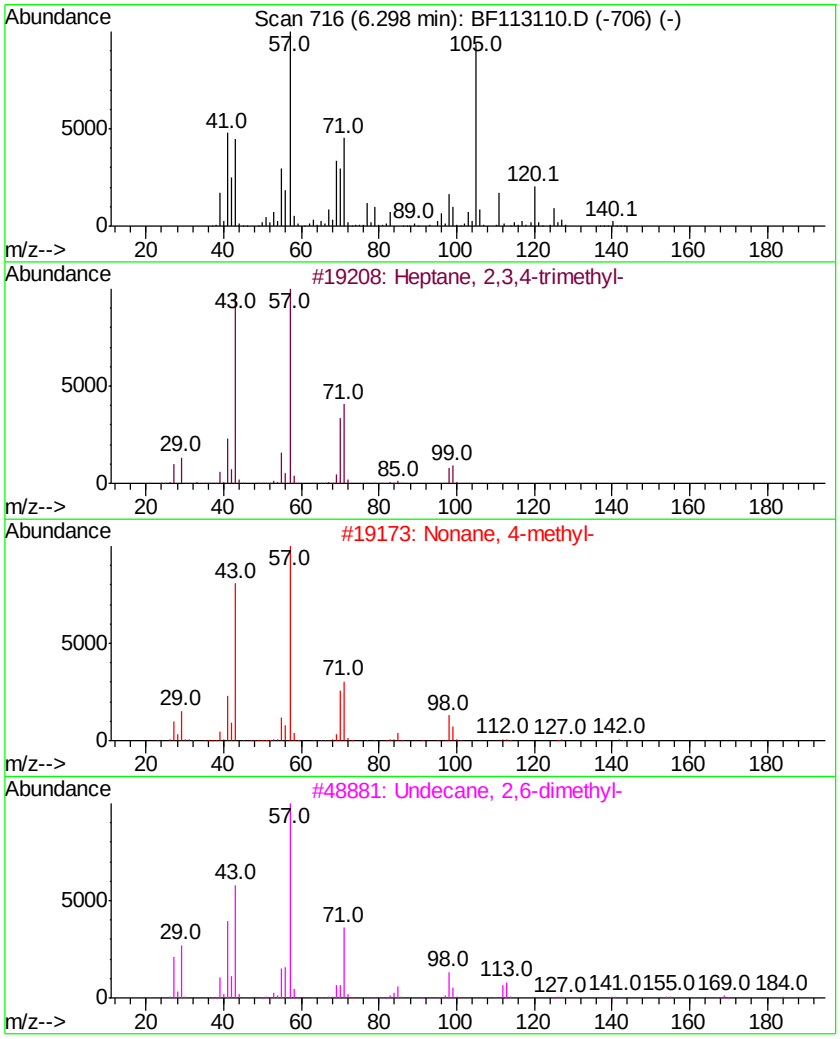
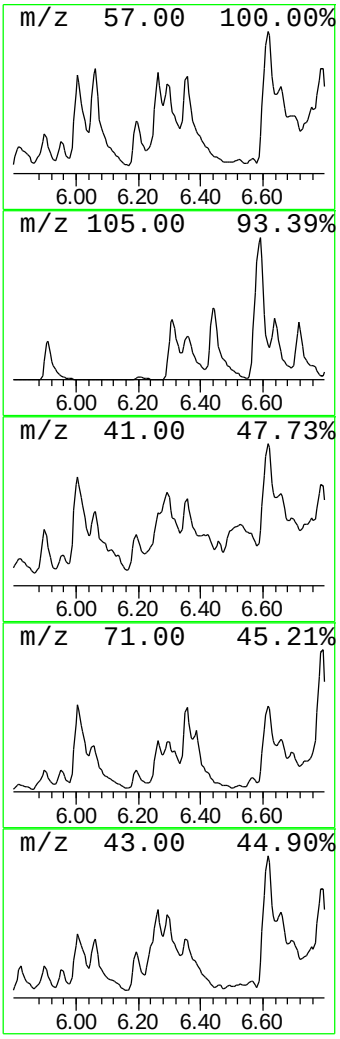
Peak Number 15 unknown6.30 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	90.27 ng	16671100	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	43
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	43
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	38
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	38
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	35





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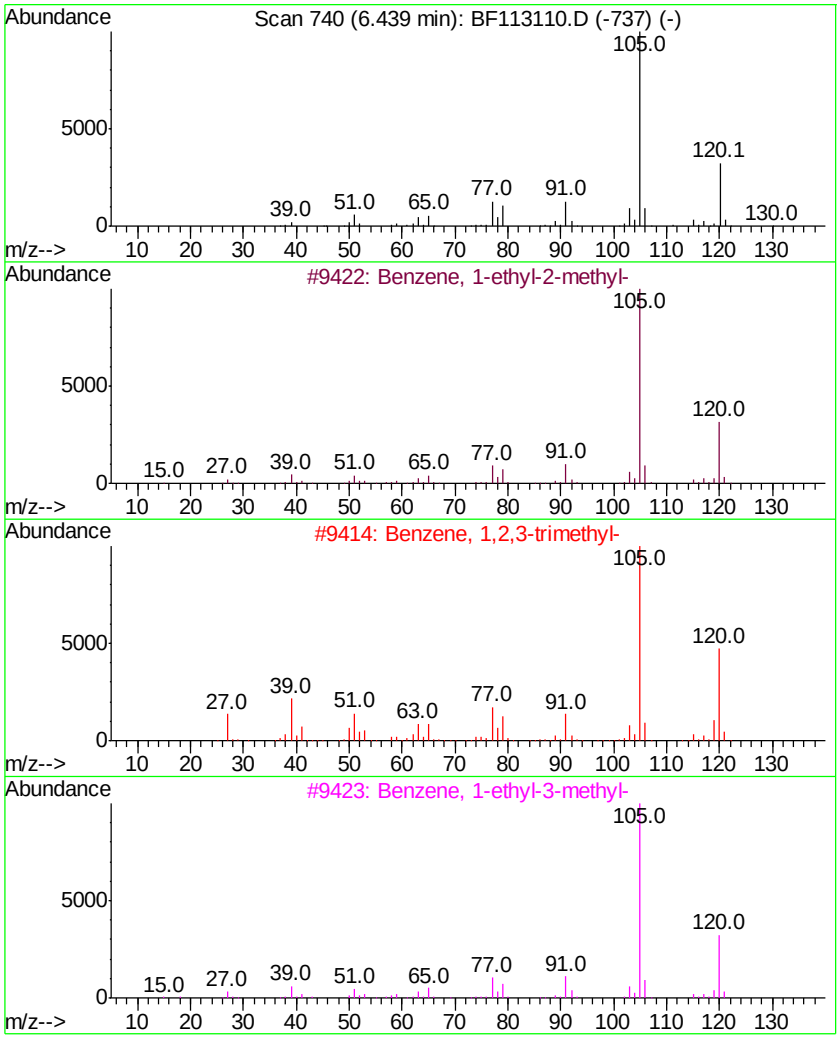
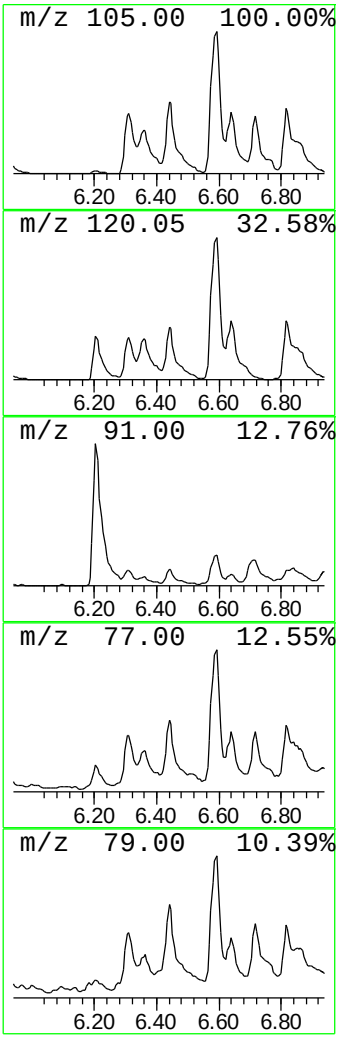
Peak Number 16 Benzene, 1-ethyl-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	25.62 ng	4731460	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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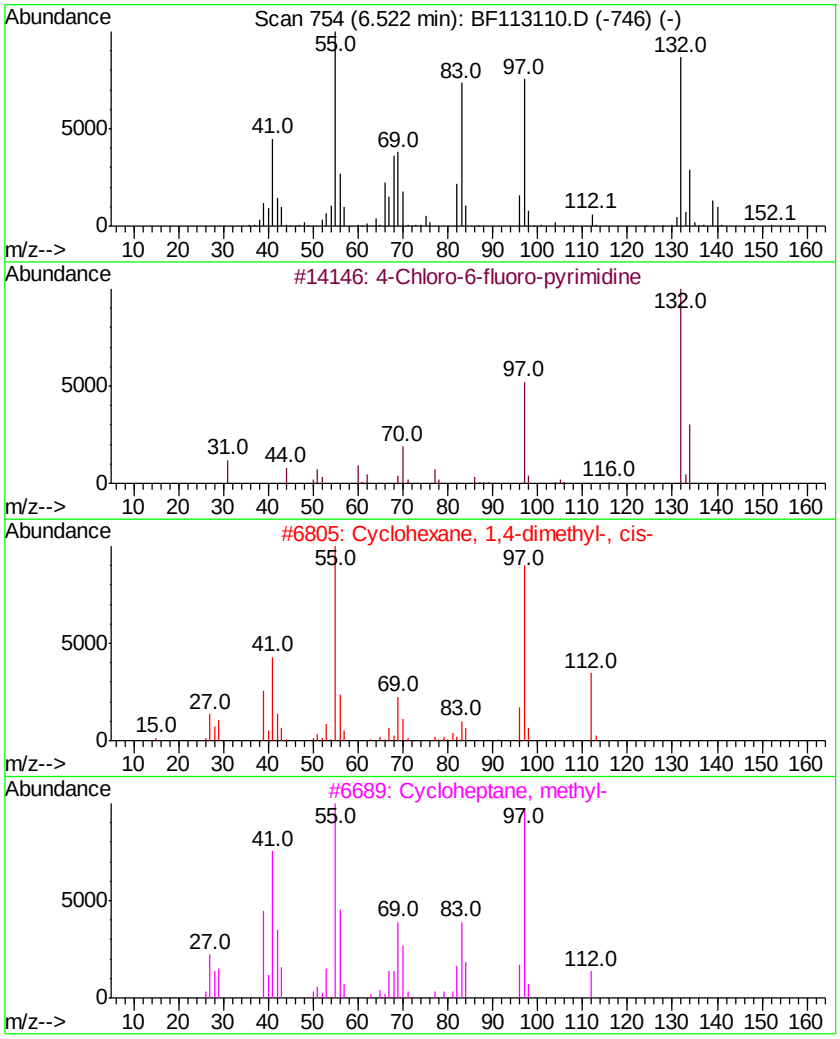
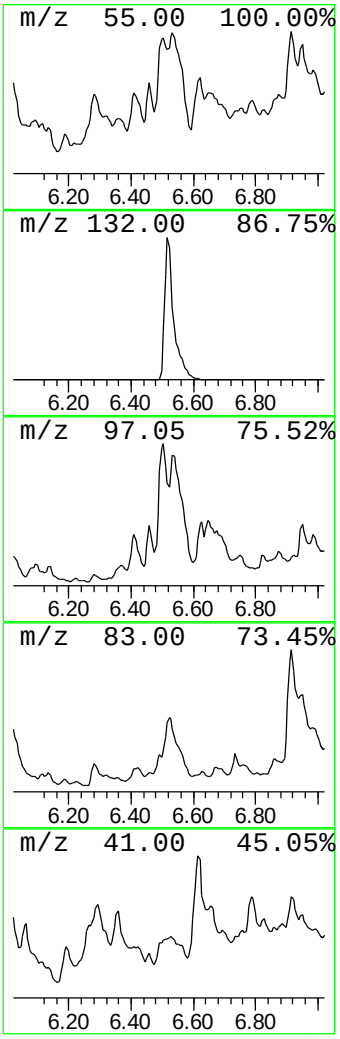
Peak Number 17 unknown6.52 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	43.95 ng	8116050	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	35
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	35
3	Cycloheptane, methyl-	112	C8H16	004126-78-7	22
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	18
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	18





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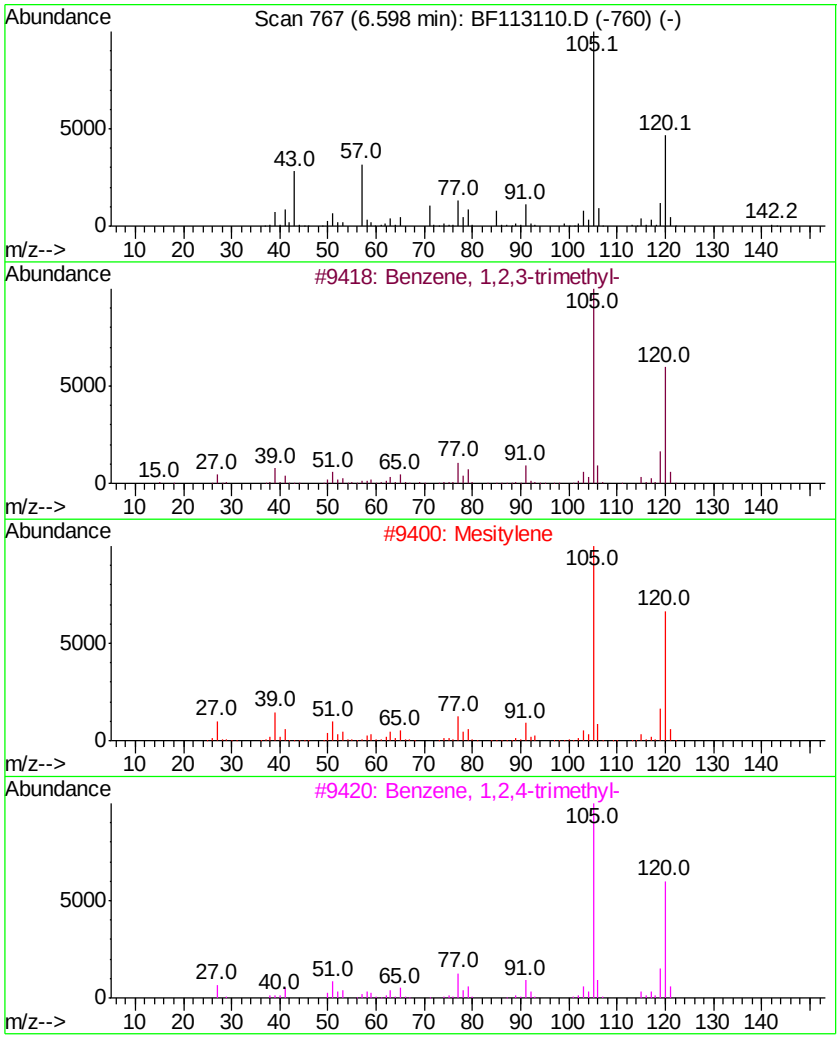
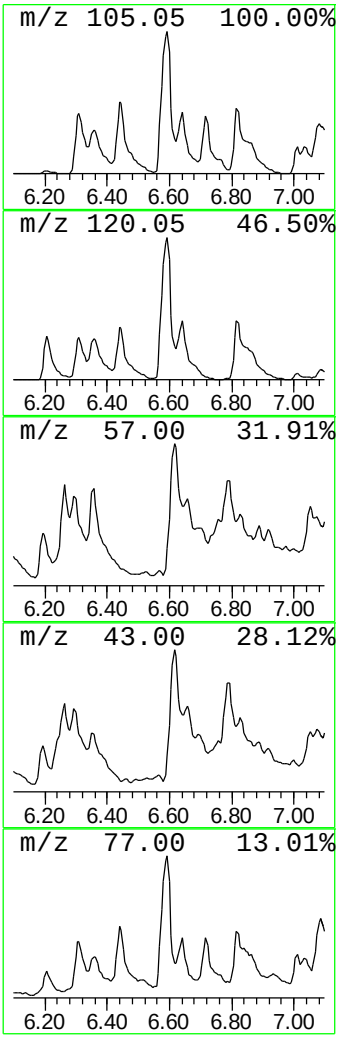
Peak Number 18 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	56.95 ng	10517300	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113110.D
Acq On : 19 Mar 2019 00:45
Operator : JU/SJ
Sample : K1970-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-2-E.WALL-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

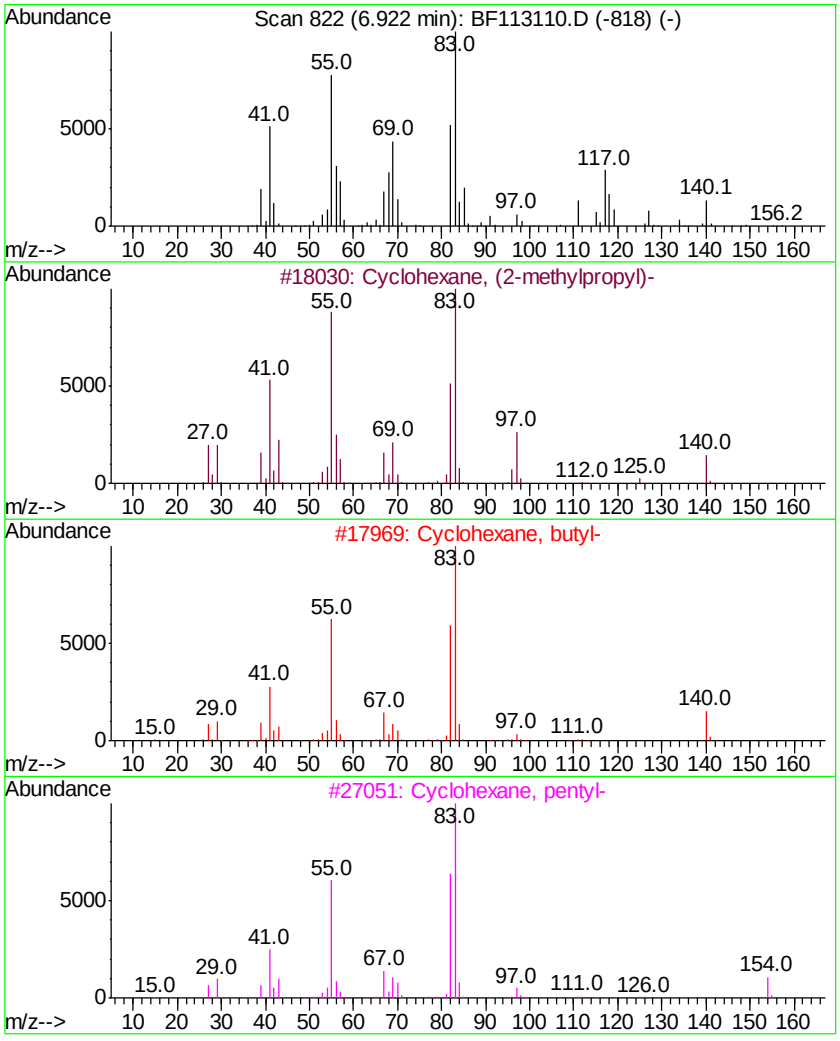
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

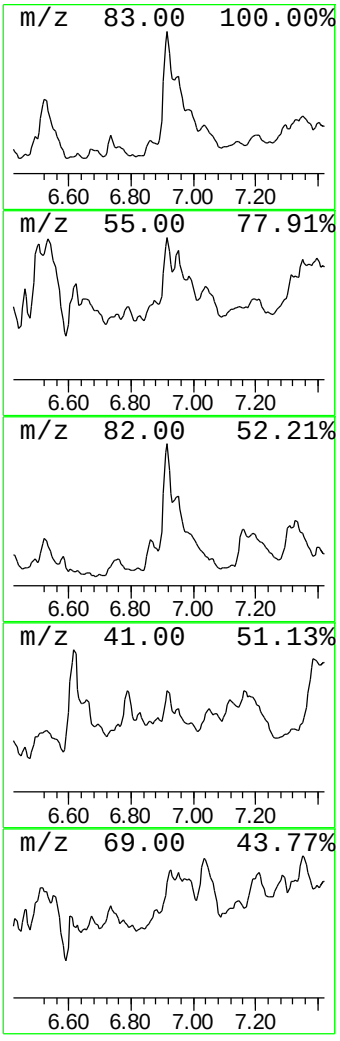
****

Peak Number 19 Cyclohexane, (2-methylpropyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	15.34 ng	2833050	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	83
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	74
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	59
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	59
5	1-Cyclohexylethanol, pentafluoro...	274	C11H15F5O2	1000365-50-1	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113110.D
Acq On : 19 Mar 2019 00:45
Operator : JU/SJ
Sample : K1970-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-2-E.WALL-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

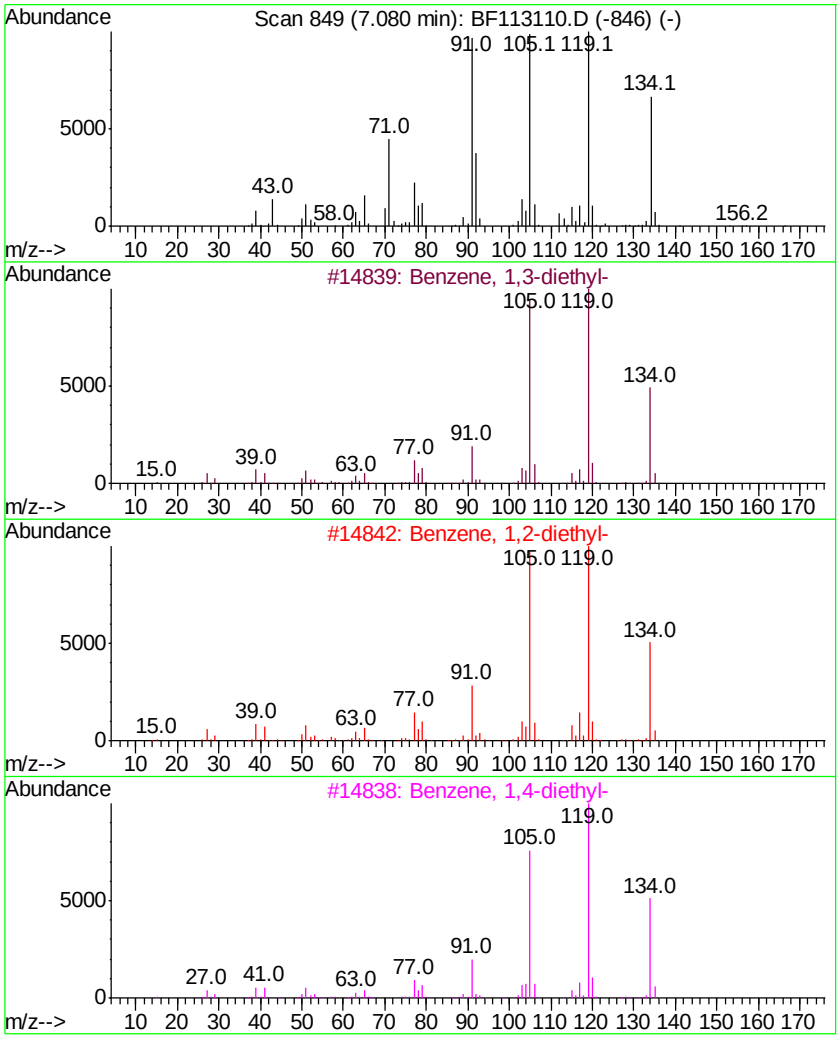
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

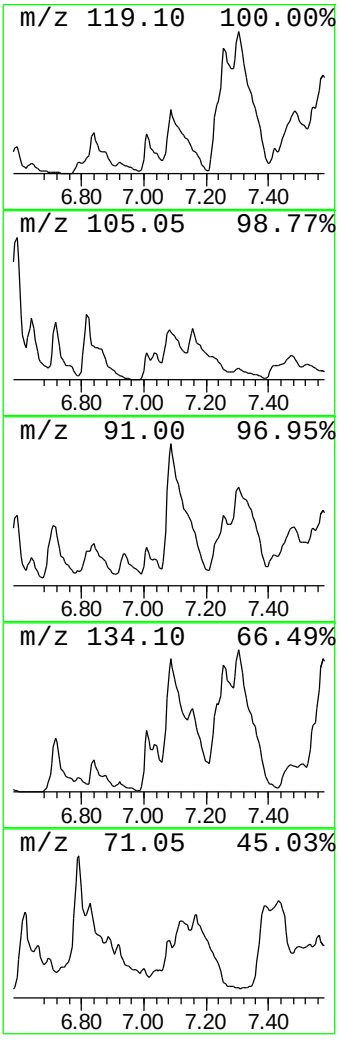
****

Peak Number 20 Benzene, 1,3-diethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	20.61 ng	3806820	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	92
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	89
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031819\
Data File : BF113110.D
Acq On : 19 Mar 2019 00:45
Operator : JU/SJ
Sample : K1970-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P-2-E.WALL-NORTH

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Heptane, 2-methyl-	3.67	14.4	ng	2663870	1	6.75	3693660	20.0
Octane	4.33	31.6	ng	5829040	1	6.75	3693660	20.0
Cyclohexane, ethyl-	4.86	24.6	ng	4552690	1	6.75	3693660	20.0
Cyclohexane, 1,1,...	4.92	16.3	ng	3008410	1	6.75	3693660	20.0
unknown5.13	5.13	27.4	ng	5054590	1	6.75	3693660	20.0
Octane, 1,1'-oxybis-	5.26	19.3	ng	3571100	1	6.75	3693660	20.0
Cyclohexane, 1,2,...	5.50	24.6	ng	4551890	1	6.75	3693660	20.0
Cyclohexane, 1-et...	5.59	22.5	ng	4149390	1	6.75	3693660	20.0
Nonane	5.66	68.8	ng	12701500	1	6.75	3693660	20.0
1-Ethyl-3-methylc...	5.76	27.5	ng	5079540	1	6.75	3693660	20.0
Sulfurous acid, h...	5.82	14.0	ng	2581860	1	6.75	3693660	20.0
unknown5.90	5.90	43.4	ng	8012820	1	6.75	3693660	20.0
Nonane, 3-methyl-	6.00	68.5	ng	12652500	1	6.75	3693660	20.0
Benzene, propyl-	6.20	62.6	ng	11563600	1	6.75	3693660	20.0
unknown6.30	6.30	90.3	ng	16671100	1	6.75	3693660	20.0
Benzene, 1-ethyl-...	6.44	25.6	ng	4731460	1	6.75	3693660	20.0
unknown6.52	6.52	44.0	ng	8116050	1	6.75	3693660	20.0
Benzene, 1,2,3-tr...	6.60	57.0	ng	10517300	1	6.75	3693660	20.0
Cyclohexane, (2-m...	6.92	15.3	ng	2833050	1	6.75	3693660	20.0
Benzene, 1,3-diet...	7.08	20.6	ng	3806820	1	6.75	3693660	20.0