LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102618\
Data File : BF110219.D
Acq On : 26 Oct 2018 19:37
Operator : JU/SJ
Sample : J5515-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NON-UST-1A

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-BF102318.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	2.199	15	19	27	rVB	239256	317465	3.69%	0.301%
2	3.146	164	180	187	rBV	104717	263100	3.06%	0.250%
3	3.698	265	274	280	rBV3	67113	131919	1.53%	0.125%
4	4.022	322	329	337	rBV3	240654	489075	5.68%	0.464%
5	4.157	346	352	358	rBV	225054	343275	3.99%	0.326%
6	4.310	369	378	382	rBV2	386002	567149	6.59%	0.539%
7	4.357	382	386	395	rVB	188487	246152	2.86%	0.234%
8	4.451	395	402	406	rBV	160800	219330	2.55%	0.208%
9	4.498	406	410	417	rVB3	125635	211551	2.46%	0.201%
10	4.634	428	433	443	rVB	427993	578046	6.71%	0.549%
11	4.734	443	450	456	rBV2	253660	327437	3.80%	0.311%
12	4.875	470	474	478	rBV	109558	129851	1.51%	0.123%
13	4.922	478	482	486	rVV	192708	208380	2.42%	0.198%
14	5.028	496	500	506	rVB	560142	659904	7.66%	0.627%
15	5.110	506	514	516	rBV3	662975	1124552	13.06%	1.068%
16	5.134	516	518	523	rVB	890700	1014724	11.79%	0.964%
17	5.187	523	527	532	rBV	1227728	1542679	17.92%	1.465%
18	5.245	533	537	542	rVB2	304955	430666	5.00%	0.409%
19	5.310	546	548	555	rVB2	226827	272476	3.16%	0.259%
20	5.381	555	560	565	rBV2	1076136	1906854	22.15%	1.811%
21	5.463	570	574	577	rBV	1048641	1178252	13.68%	1.119%
22	5.540	584	587	588	rBV	239778	250801	2.91%	0.238%
23	5.563	588	591	592	rVV	1644897	1596096	18.54%	1.516%
24	5.581	592	594	599	rVB	2141490	2171670	25.22%	2.062%
25	5.628	599	602	605	rVB4	112507	152900	1.78%	0.145%
26	5.669	605	609	612	rBV	554992	649304	7.54%	0.617%
27	5.698	612	614	618	rVB3	84722	121388	1.41%	0.115%
28	5.740	618	621	627	rBV2	820743	1557569	18.09%	1.479%
29	5.787	627	629	633	rVB	1192474	1086406	12.62%	1.032%
30	5.834	633	637	640	rBV2	828150	966075	11.22%	0.917%
31	5.892	644	647	653	rVB	385039	403028	4.68%	0.383%
32	5.998	657	665	668	rBV3	1797888	3003913	34.89%	2.853%
33	6.040	668	672	679	rBV3	817297	1520812	17.66%	1.444%
34	6.134	679	688	692	rBV3	1908667	3574338	41.51%	3.394%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102618\
Data File : BF110219.D
Acq On : 26 Oct 2018 19:37
Operator : JU/SJ
Sample : J5515-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NON-UST-1A

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.169	692	694	697	rVB2	577029	590701	6.86%	0.561%
36	6.222	697	703	709	rBV3	3708930	8067411	93.70%	7.661%
37	6.275	709	712	715	rVV	2385986	2693205	31.28%	2.557%
38	6.316	715	719	721	rVV3	658712	1017723	11.82%	0.966%
39	6.339	721	723	725	rVB	613924	503566	5.85%	0.478%
40	6.410	730	735	738	rBV3	2430808	4092355	47.53%	3.886%
41	6.469	742	745	748	rVB	2881963	3034867	35.25%	2.882%
42	6.516	748	753	758	rBV4	2685601	4532464	52.64%	4.304%
43	6.592	762	766	769	rBV	2230213	2360893	27.42%	2.242%
44	6.628	769	772	773	rBV	841690	819567	9.52%	0.778%
45	6.651	773	776	778	rVB2	1243254	1081354	12.56%	1.027%
46	6.675	778	780	782	rVB	551223	370365	4.30%	0.352%
47	6.722	782	788	789	rBV3	2209280	3392439	39.40%	3.221%
48	6.816	800	804	805	rBV2	1380999	1544022	17.93%	1.466%
49	6.834	805	807	810	rVB2	1520922	1327328	15.42%	1.260%
50	6.857	810	811	813	rBV2	298536	210672	2.45%	0.200%
51	6.910	813	820	821	rBV4	1134090	2222192	25.81%	2.110%
52	6.934	821	824	826	rVV3	1492291	2243221	26.05%	2.130%
53	6.987	830	833	838	rVB	3958884	5854849	68.00%	5.560%
54	7.034	838	841	845	rVB2	1549141	1832803	21.29%	1.740%
55	7.086	848	850	853	rVB2	937038	948794	11.02%	0.901%
56	7.128	853	857	861	rBV4	3434416	5607855	65.13%	5.325%
57	7.204	868	870	872	rBV	1028193	1143673	13.28%	1.086%
58	7.251	875	878	882	rVB2	2742313	3428908	39.82%	3.256%
59	7.386	897	901	903	rBV2	2432384	3223577	37.44%	3.061%
60	7.522	918	924	926	rBV3	4905051	8610031	100.00%	8.176%
61	7.628	937	942	945	rBV3	2273043	3910762	45.42%	3.714%
62	14.633	2130	2133	2136	rVB2	578380	569728	6.62%	0.541%
63	14.739	2148	2151	2153	rBV2	372860	412502	4.79%	0.392%
64	15.692	2310	2313	2319	rVB	339299	442572	5.14%	0.420%

Sum of corrected areas: 105307536

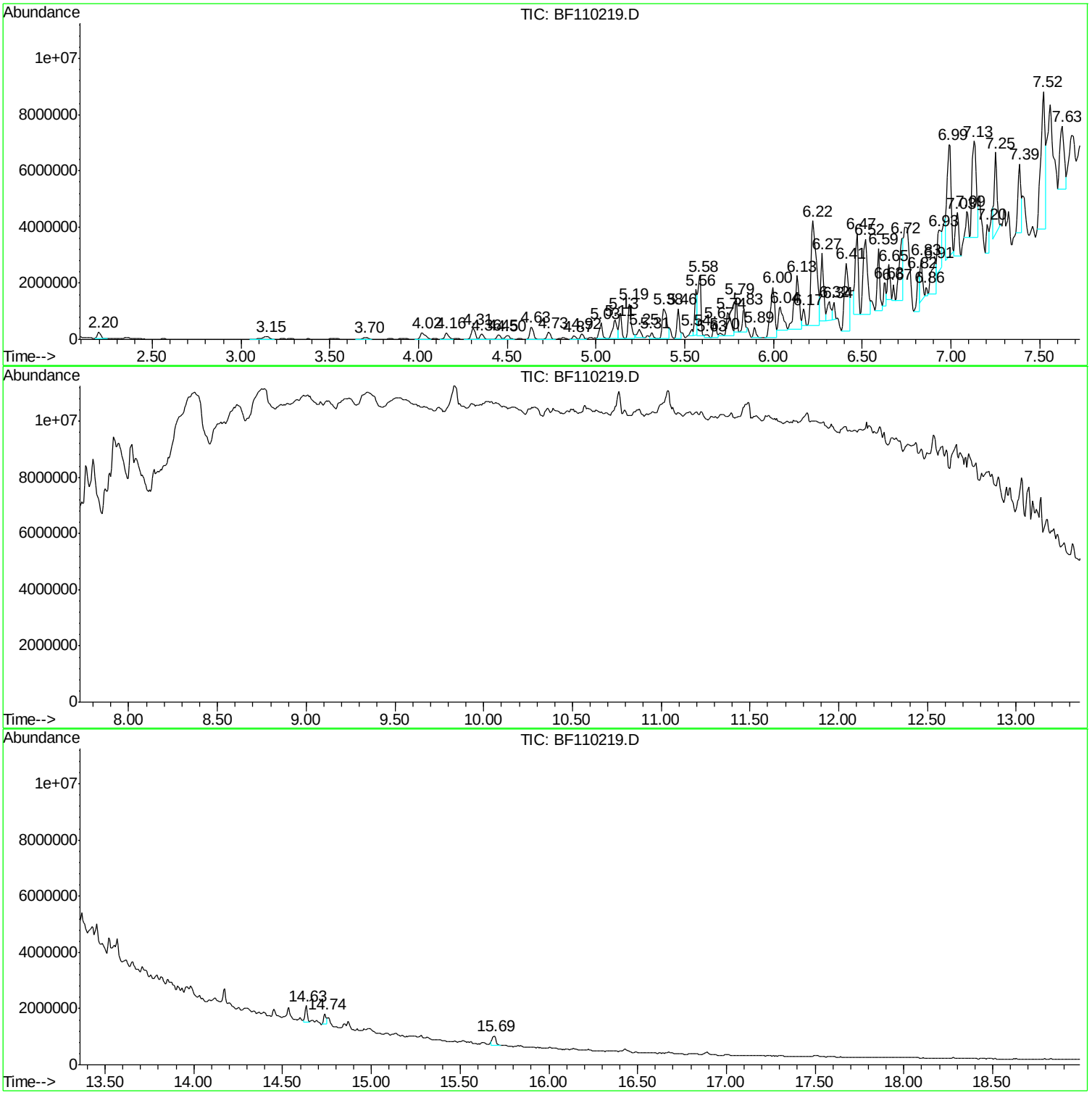
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102618\
Data File : BF110219.D
Acq On : 26 Oct 2018 19:37
Operator : JU/SJ
Sample : J5515-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NON-UST-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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\BF102618\
Data File : BF110219.D
Acq On : 26 Oct 2018 19:37
Operator : JU/SJ
Sample : J5515-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NON-UST-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

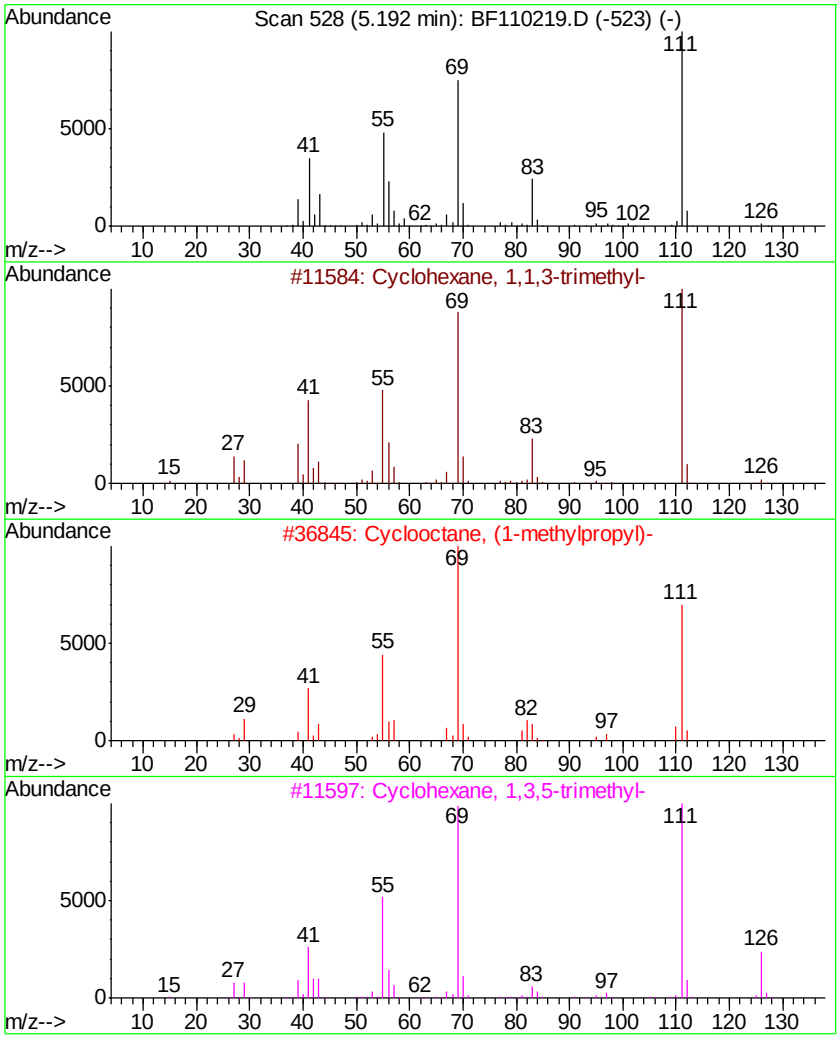
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

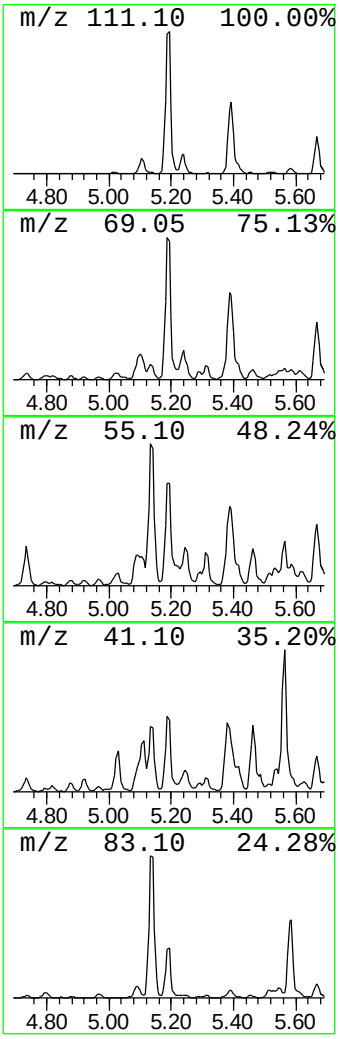
****

Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	5.27 ng	1542680	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	72
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
4	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-32-8	72
5	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102618\
Data File : BF110219.D
Acq On : 26 Oct 2018 19:37
Operator : JU/SJ
Sample : J5515-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NON-UST-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

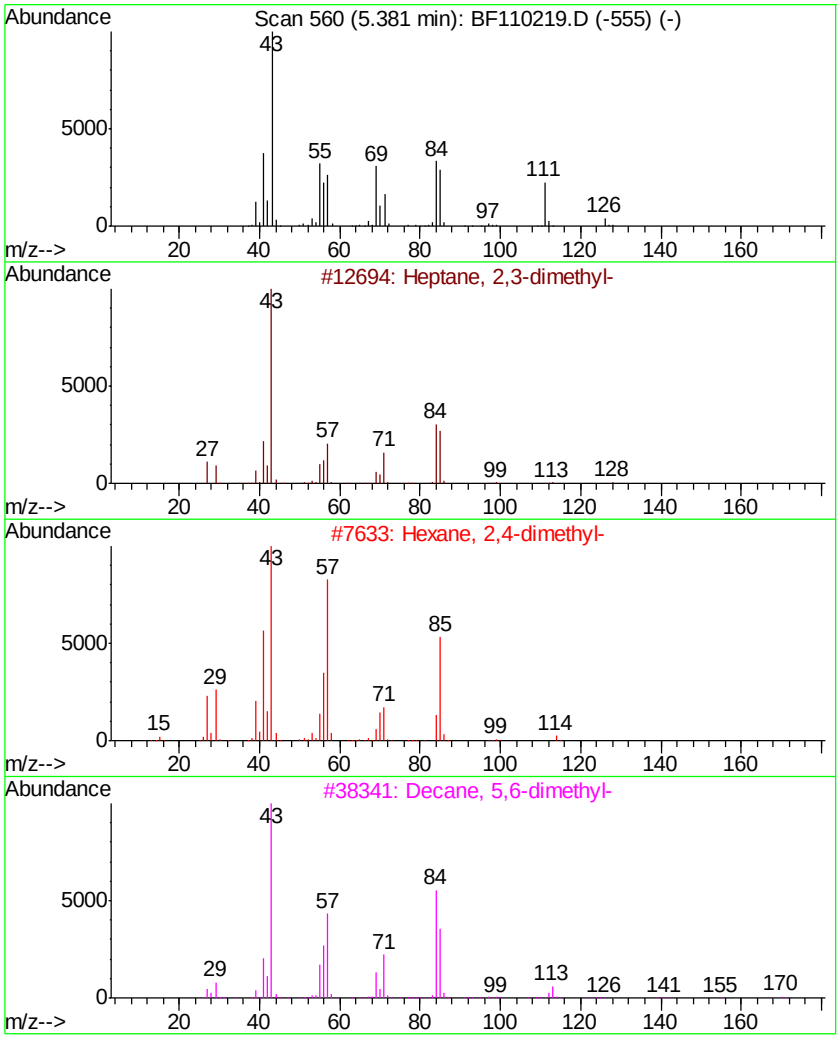
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

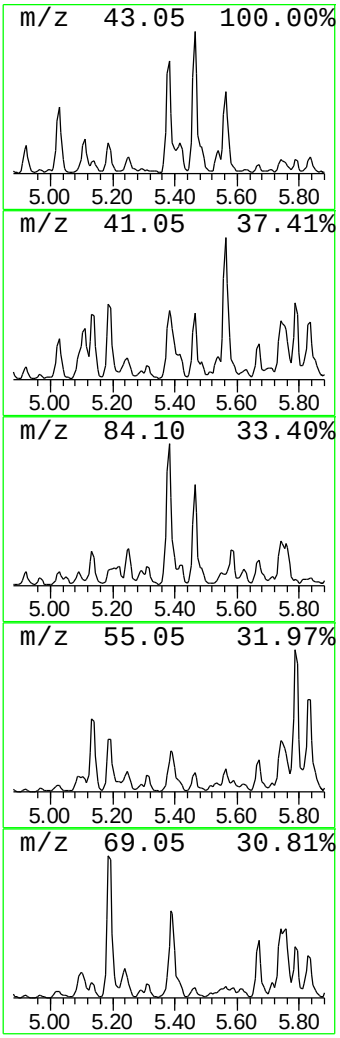
****

Peak Number 2 Heptane, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.38	6.51 ng	1906850	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	58
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
3	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	53
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	50
5	Hexyl octyl ether	214	C14H30O	017071-54-4	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102618\
Data File : BF110219.D
Acq On : 26 Oct 2018 19:37
Operator : JU/SJ
Sample : J5515-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NON-UST-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

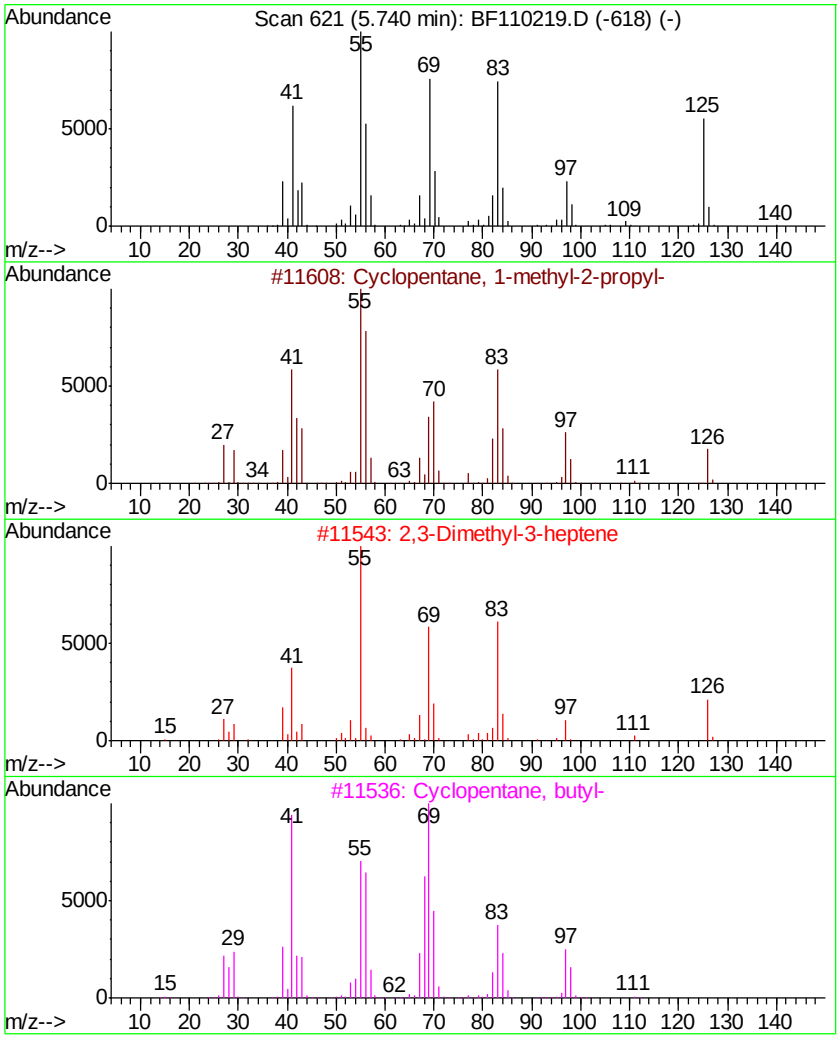
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

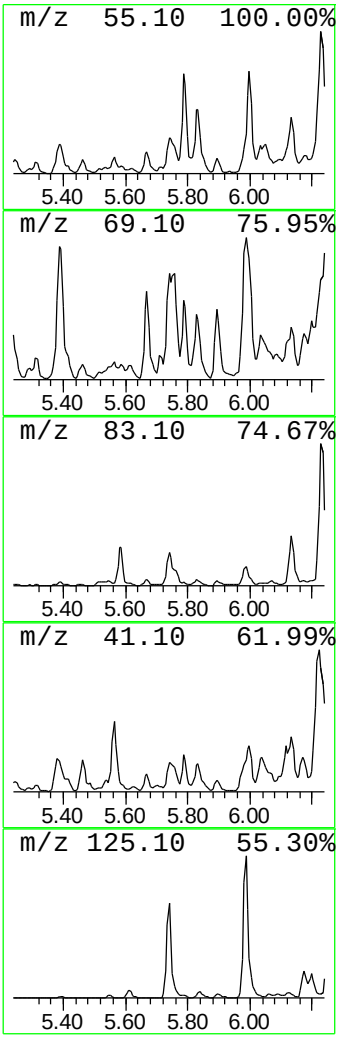
****

Peak Number 3 Cyclopentane, 1-methyl-2-pr... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.74	5.32 ng	1557570	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	86
2	2,3-Dimethyl-3-heptene	126	C9H18	1000113-49-3	58
3	Cyclopentane, butyl-	126	C9H18	002040-95-1	52
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	46
5	3-Nonene, (E)-	126	C9H18	020063-92-7	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102618\
Data File : BF110219.D
Acq On : 26 Oct 2018 19:37
Operator : JU/SJ
Sample : J5515-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NON-UST-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

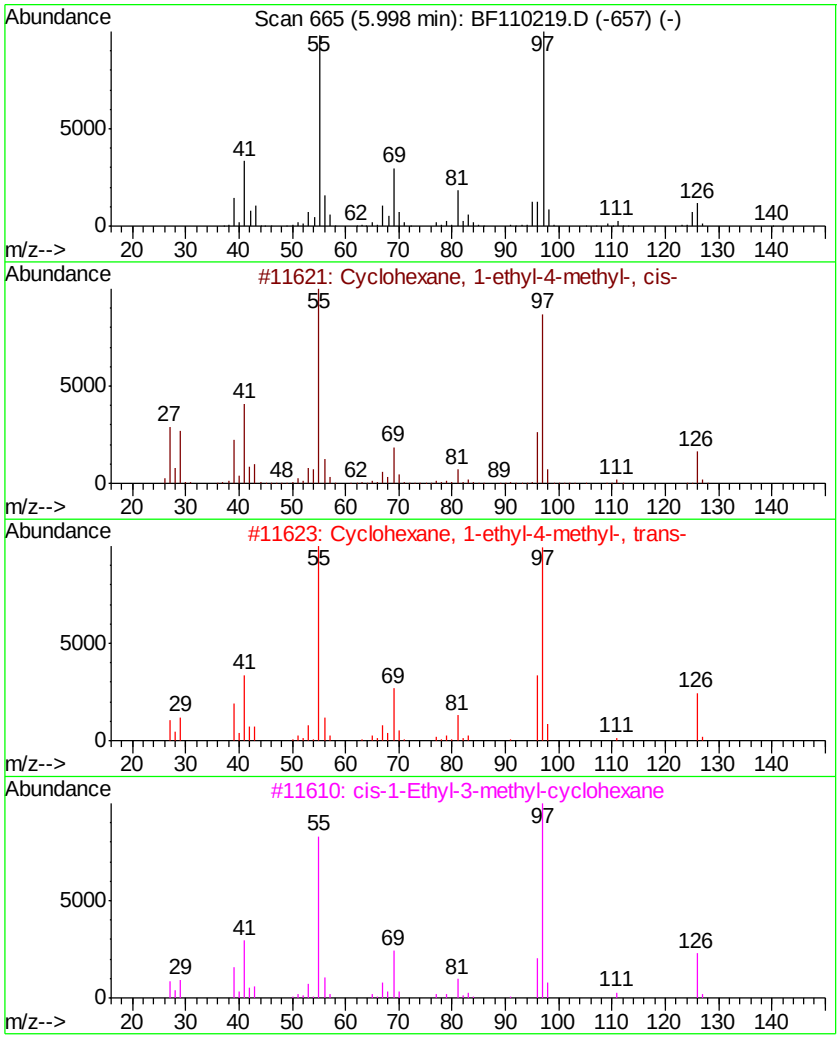
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

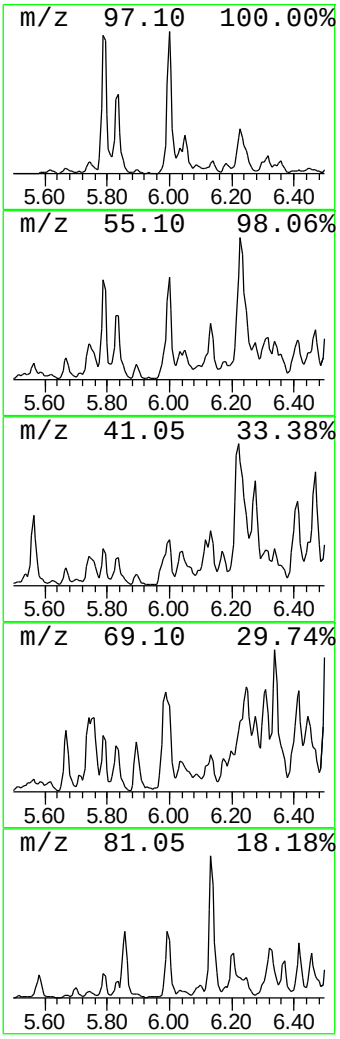
****

Peak Number 4 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	10.26 ng	3003910	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	83
3	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	83
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	83
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102618\
Data File : BF110219.D
Acq On : 26 Oct 2018 19:37
Operator : JU/SJ
Sample : J5515-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NON-UST-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

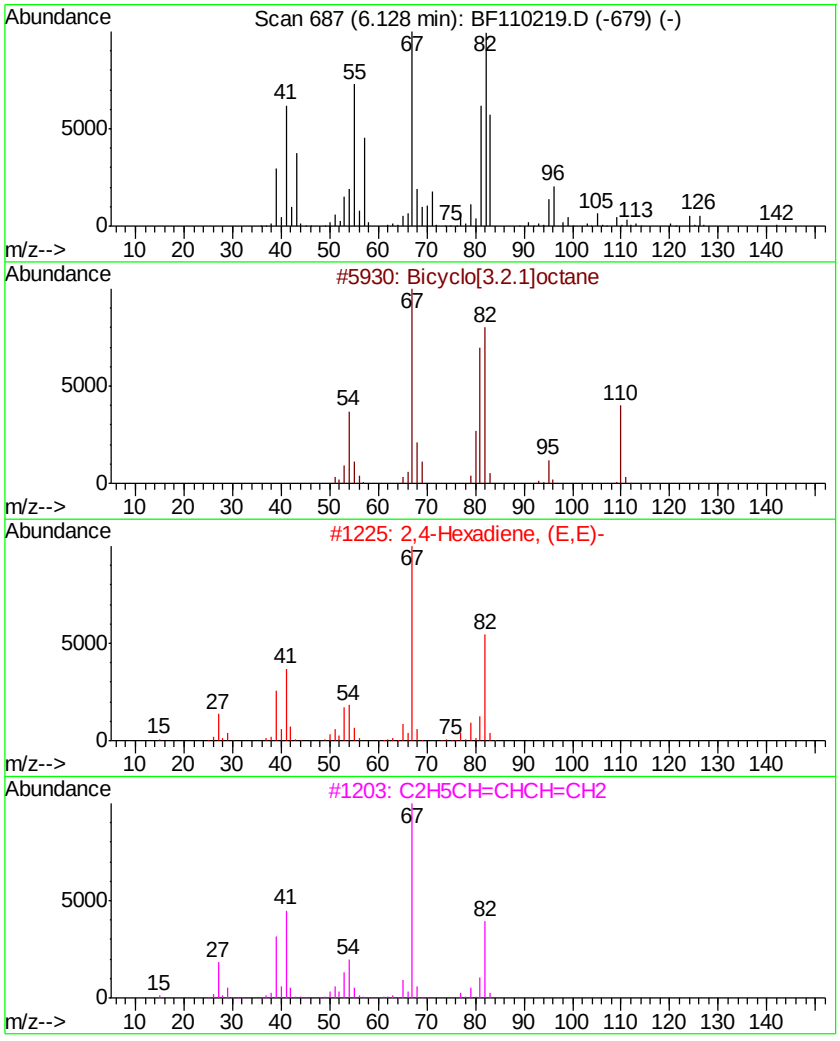
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

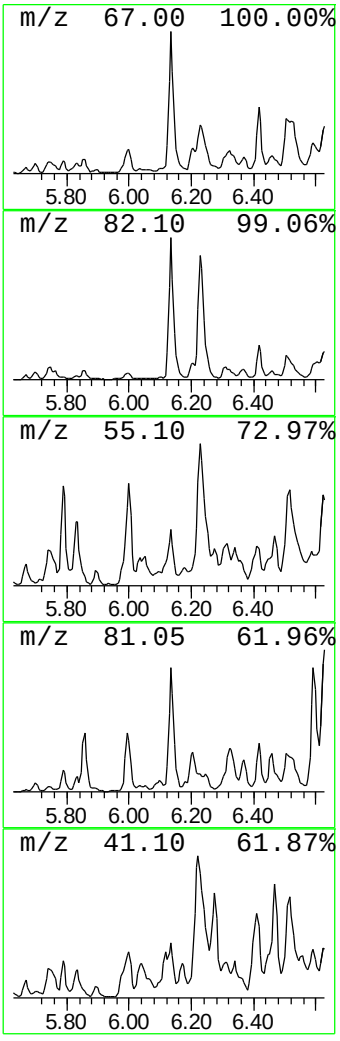
****

Peak Number 5 Bicyclo[3.2.1]octane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.13	12.21 ng	3574340	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	58
2	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	47
3	C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	43
4	1,4-Hexadiene	82	C6H10	000592-45-0	43
5	2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102618\
Data File : BF110219.D
Acq On : 26 Oct 2018 19:37
Operator : JU/SJ
Sample : J5515-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NON-UST-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

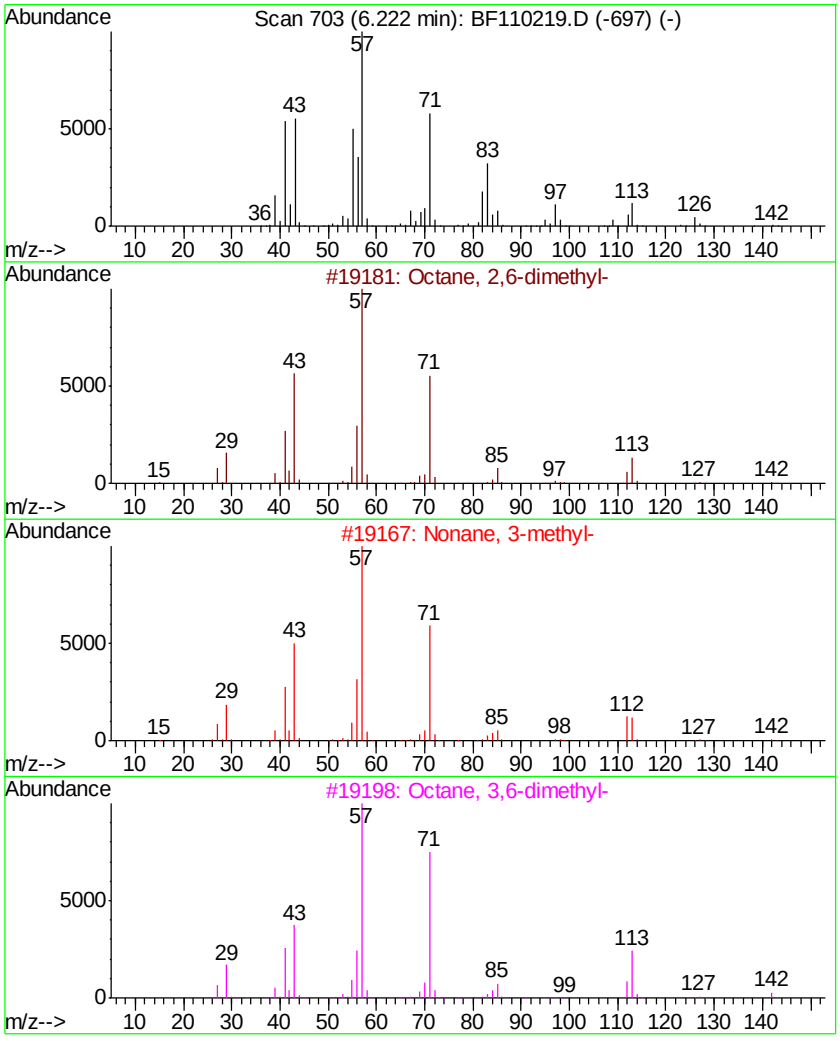
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

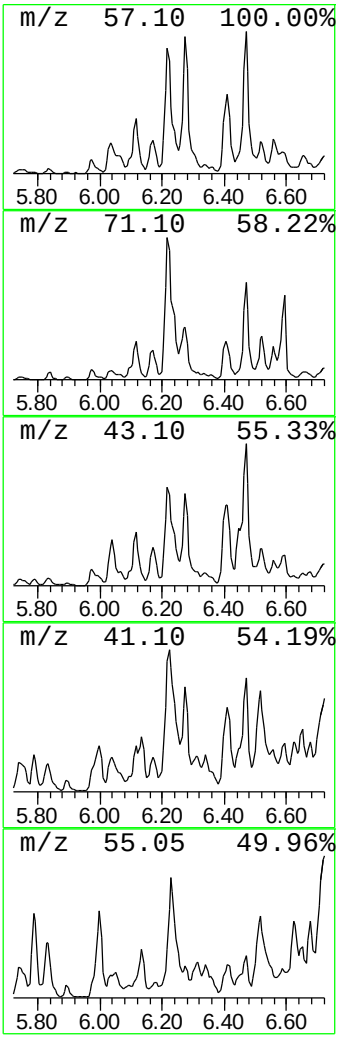
****

Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	27.56 ng	8067410	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	62
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	58
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53
4	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	43
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102618\
Data File : BF110219.D
Acq On : 26 Oct 2018 19:37
Operator : JU/SJ
Sample : J5515-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NON-UST-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

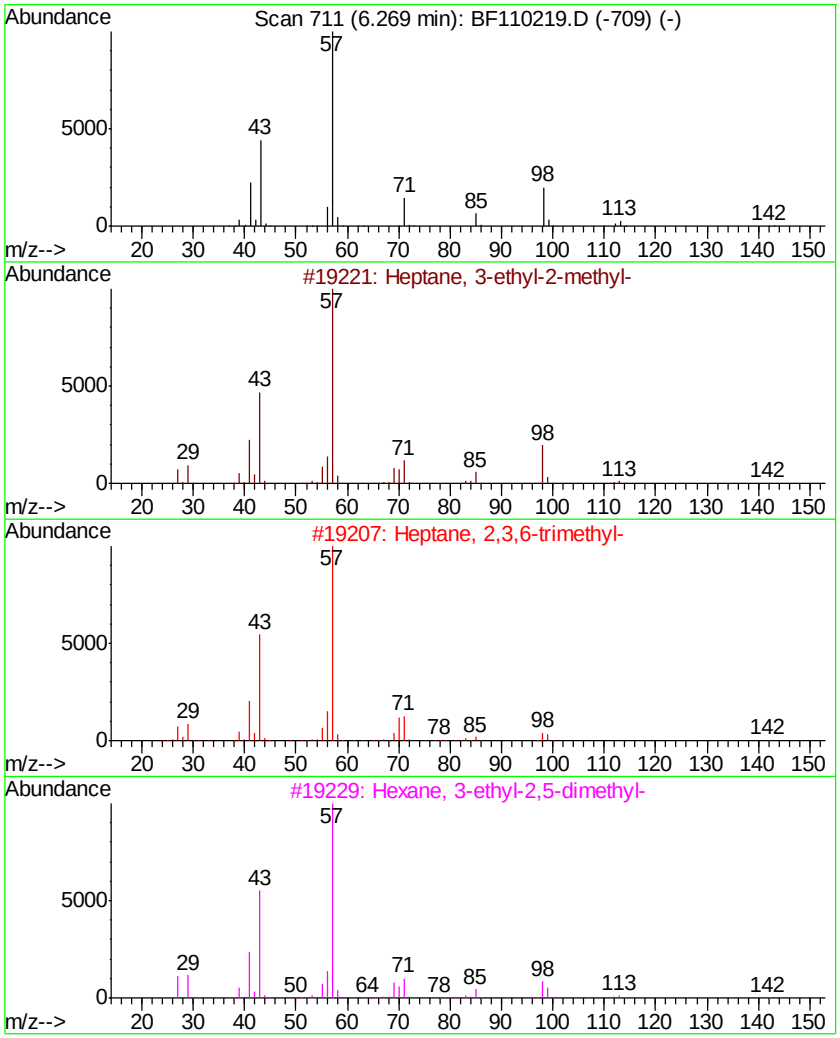
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

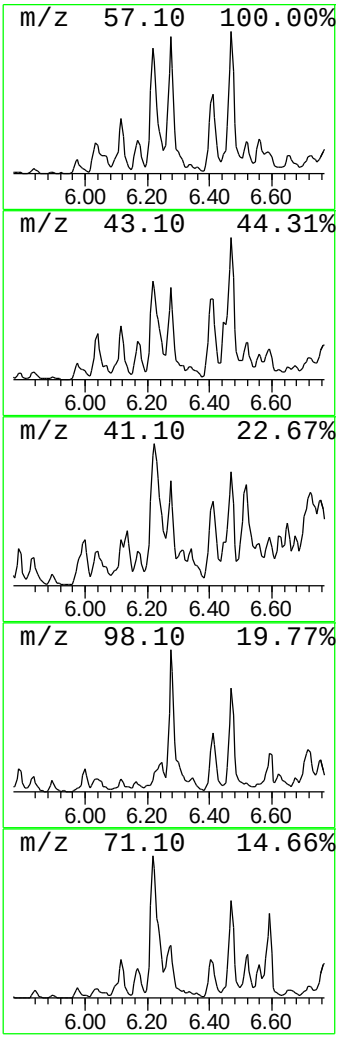
****

Peak Number 7 Heptane, 3-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	9.20 ng	2693210	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	90
2	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	45
3	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	43
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	43
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	42





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Sample : J5515-01
Misc :
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ClientSampleId : NON-UST-1A

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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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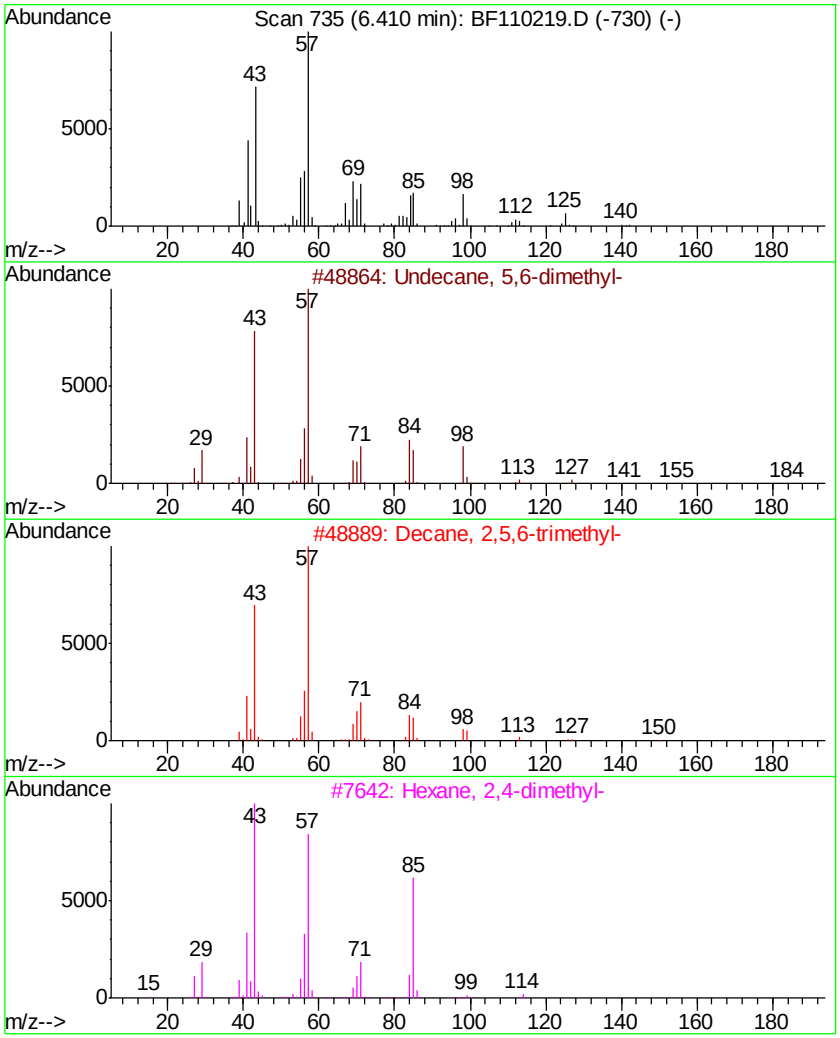
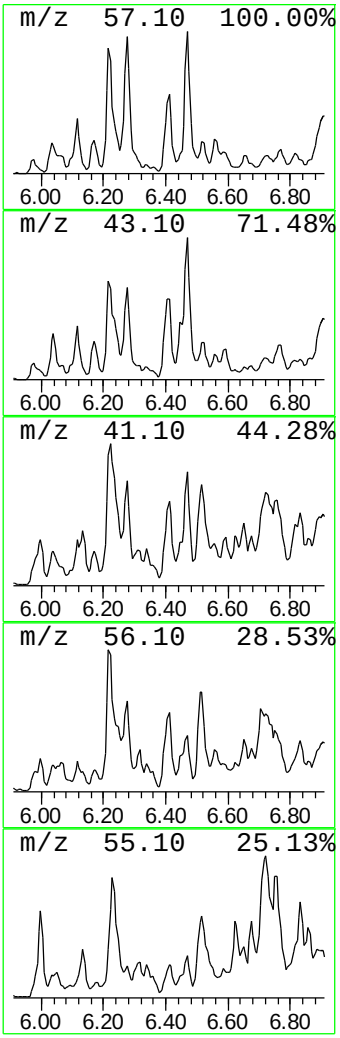
Peak Number 8 Undecane, 5,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	13.98 ng	4092360	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	59
2	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	53
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	47





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ClientSampleId : NON-UST-1A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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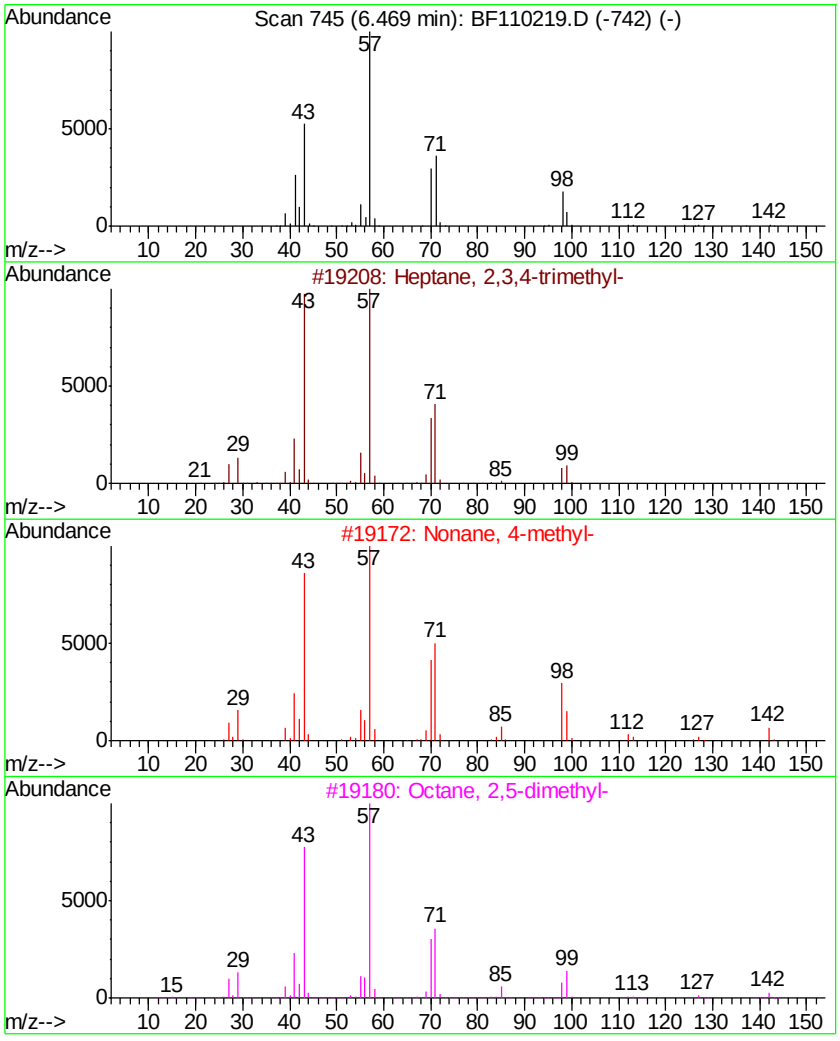
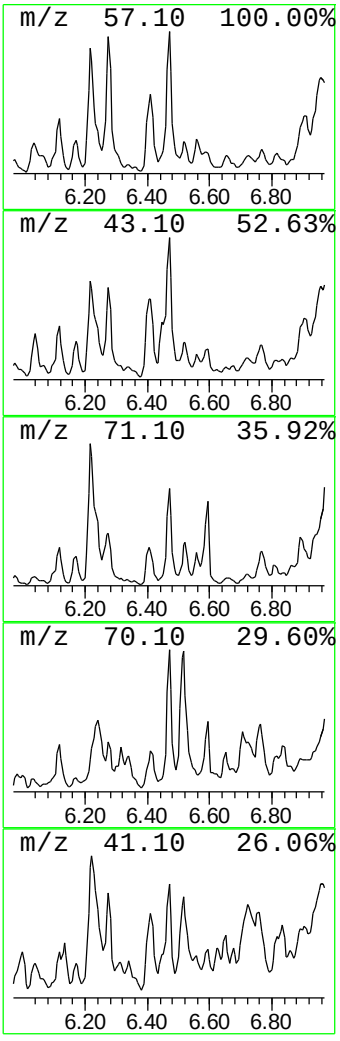
Peak Number 9 Heptane, 2,3,4-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	10.37 ng	3034870	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	72
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	56
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	56
4	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	53
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	50





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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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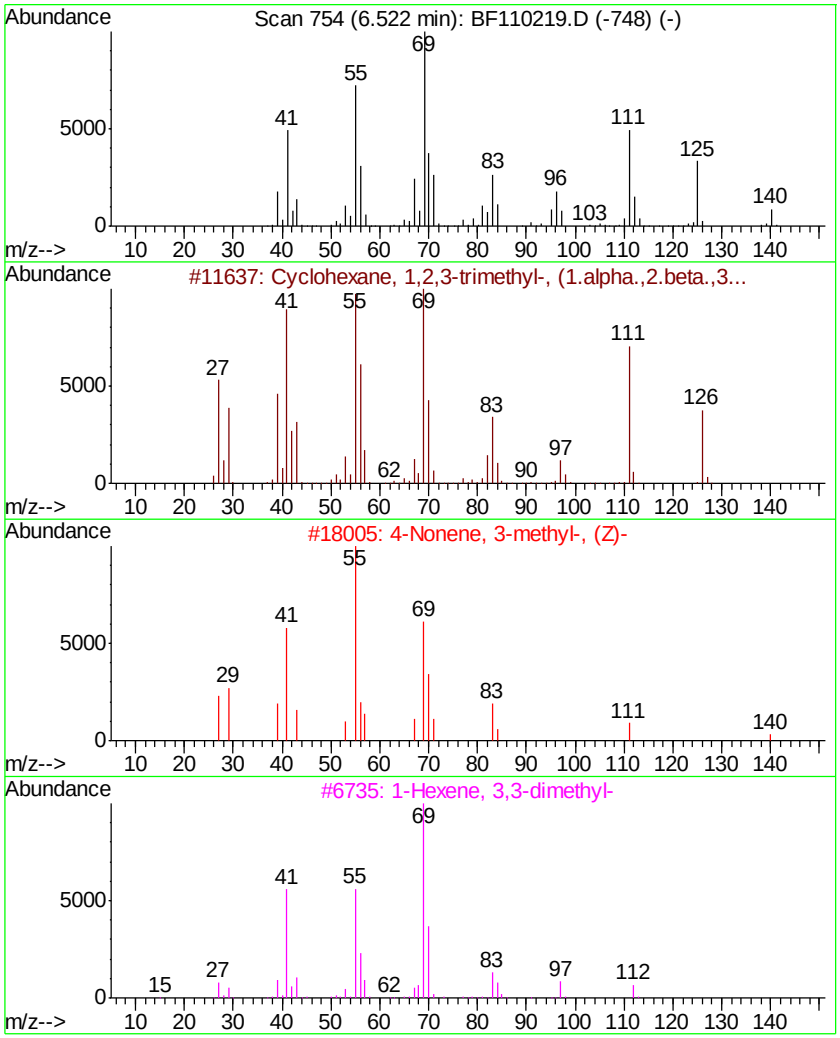
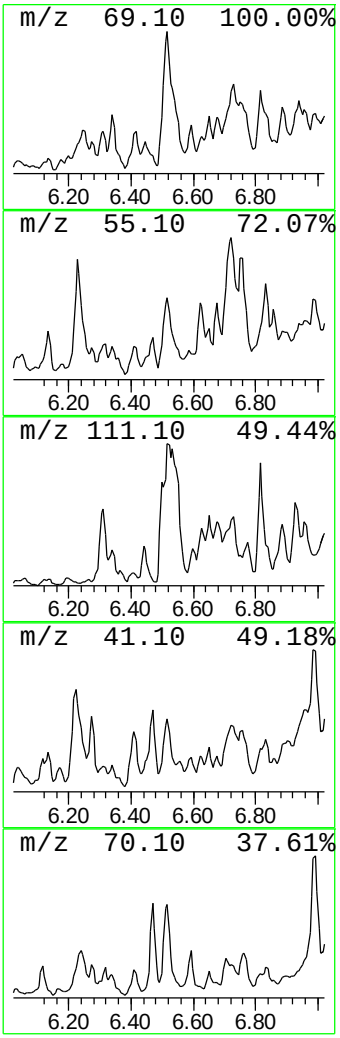
Peak Number 10 Cyclohexane, 1,2,3-trimethy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	15.48 ng	4532460	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	68
2	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	58
3	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	52
4	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	49
5	2-Methyl-2-heptene	112	C8H16	000627-97-4	43





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Instrument : BNA_F
ClientSampleId : NON-UST-1A

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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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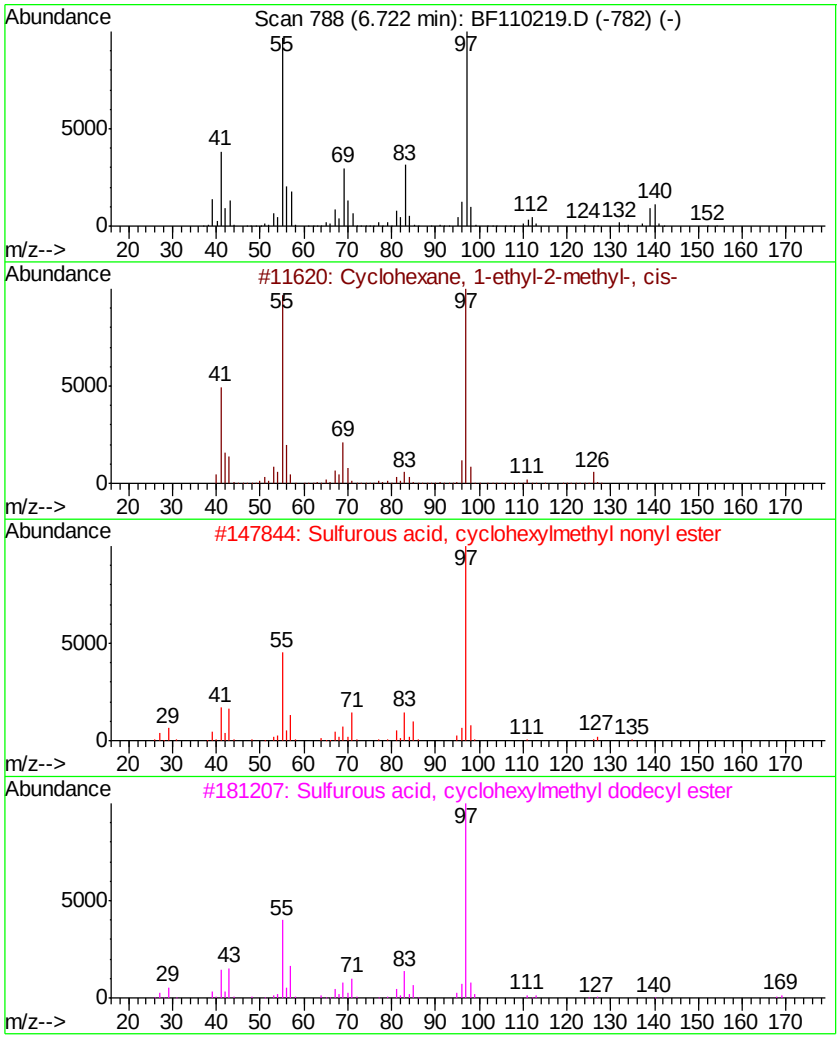
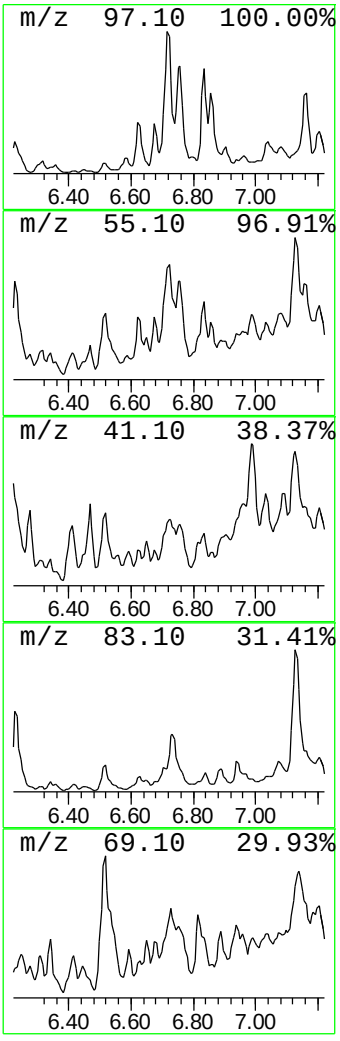
Peak Number 11 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	11.59 ng	3392440	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	64
2	Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	64
3	Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	64
4	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	64
5	Sulfurous acid, butyl cyclohexyl...	234	C11H22O3S	1000309-21-4	59





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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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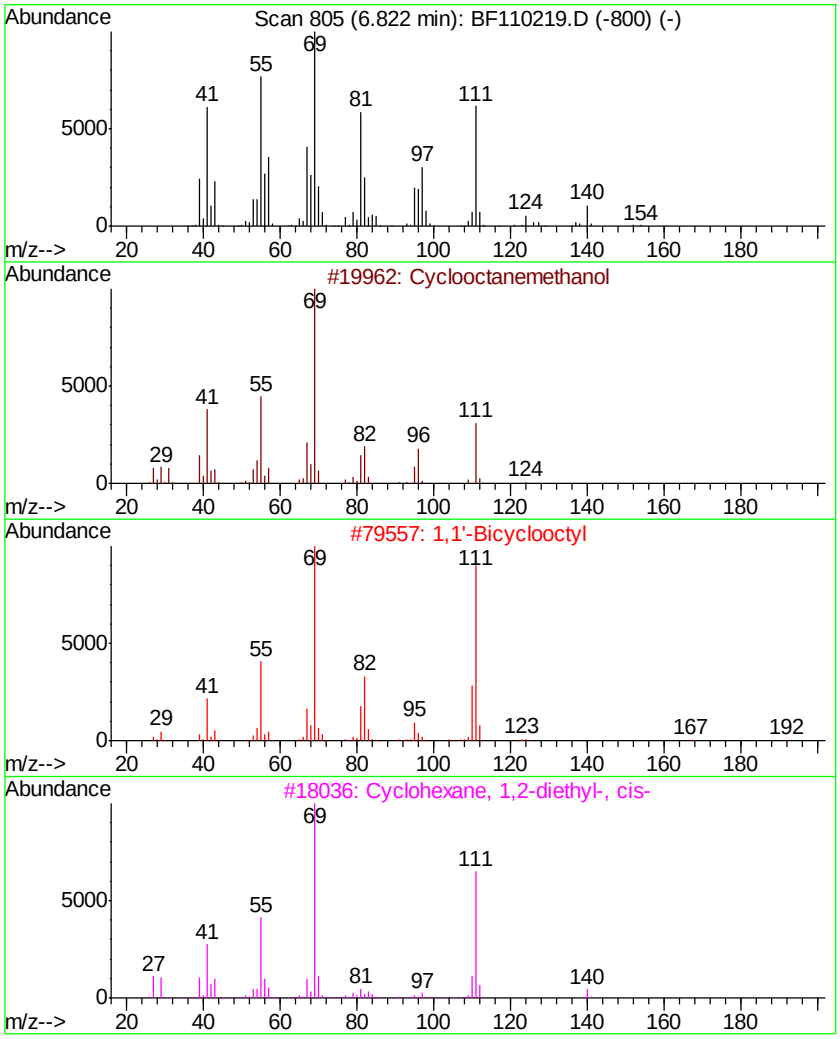
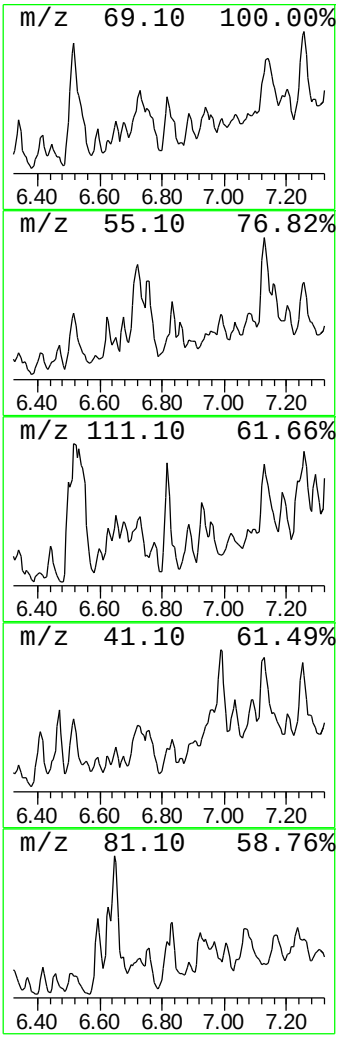
Peak Number 12 Cyclooctanemethanol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	5.27 ng	1544020	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctanemethanol	142	C9H18O	003637-63-6	59
2	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	53
3	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	49
4	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	47
5	Bicyclo[2.2.1]heptan-2-one, 7,7-...	138	C9H14O	000514-15-8	47





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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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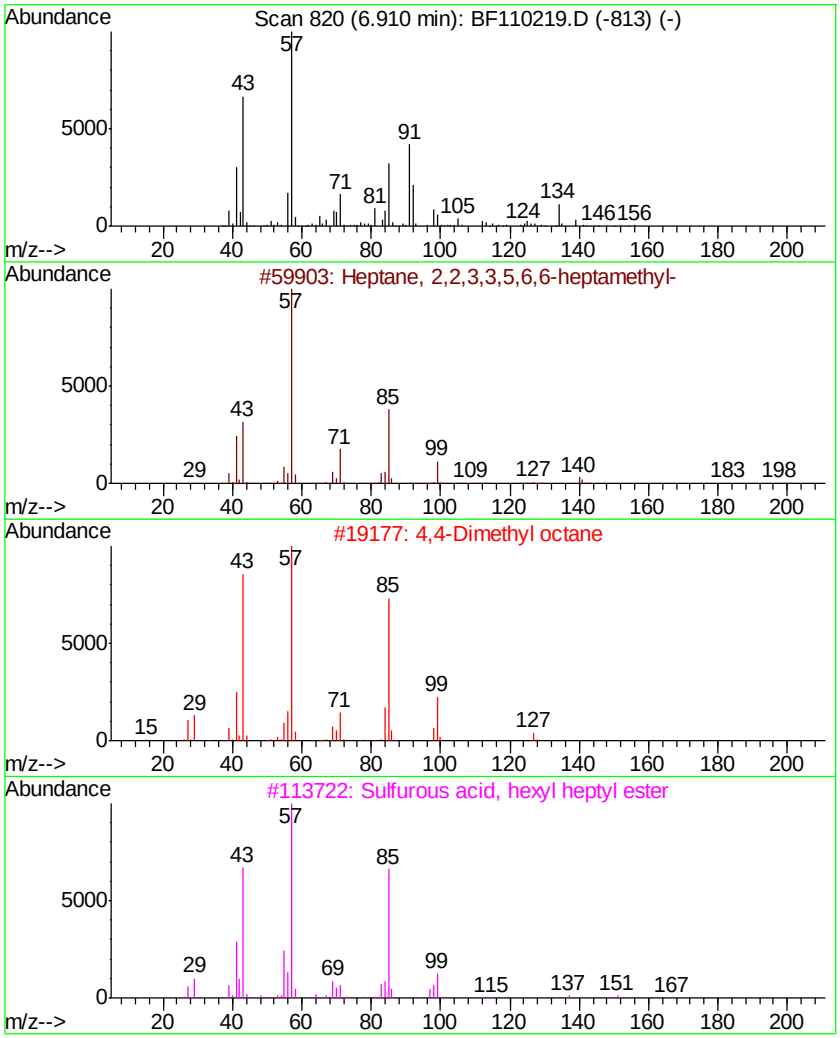
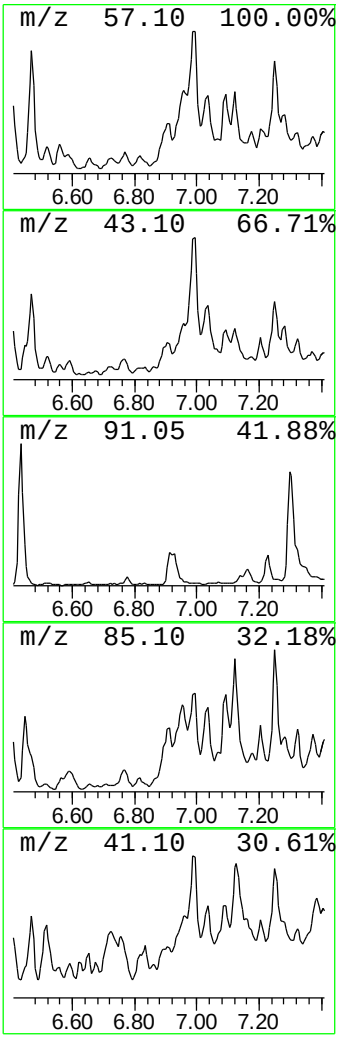
Peak Number 13 unknown6.91 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	7.59 ng	2222190	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	35
2	4,4-Dimethyl octane	142	C10H22	015869-95-1	35
3	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	35
4	Heptane, 4-ethyl-	128	C9H20	002216-32-2	27
5	Hexadecane	226	C16H34	000544-76-3	27





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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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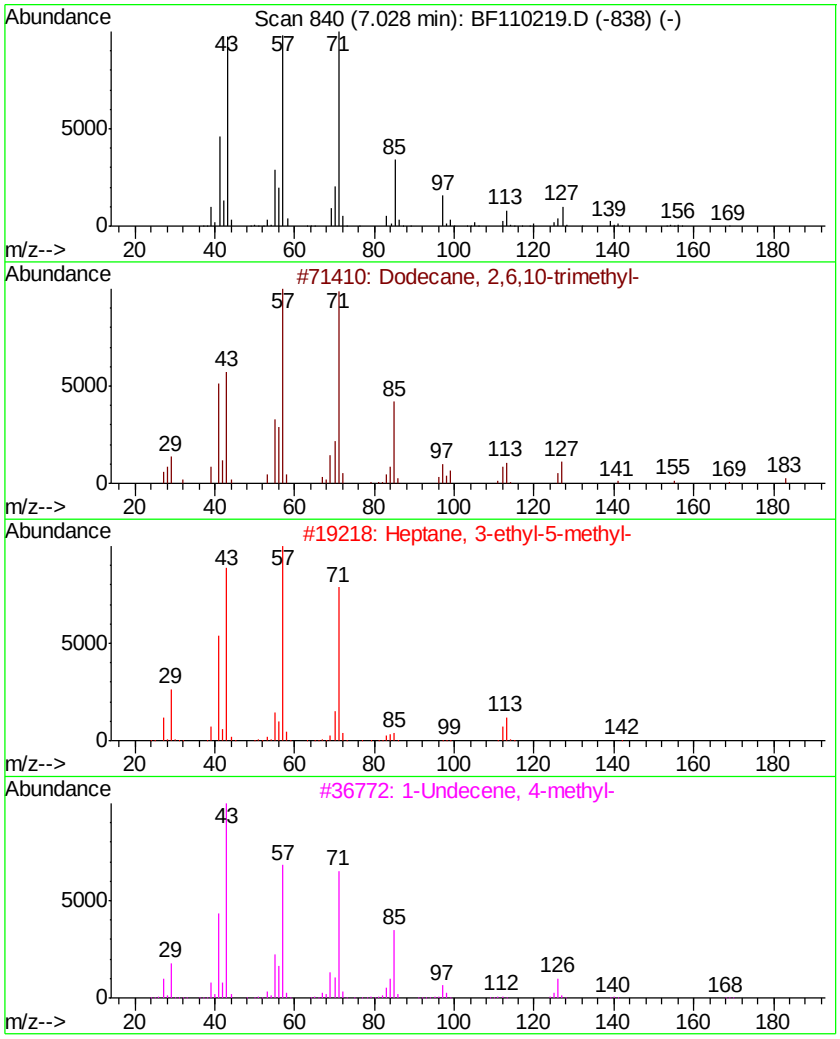
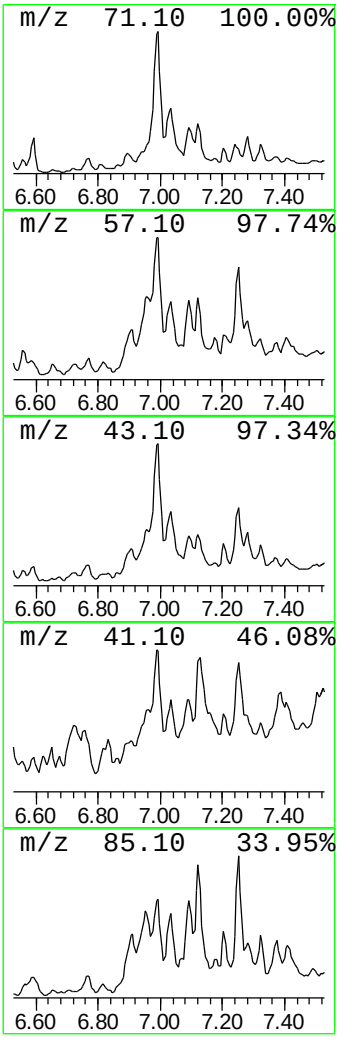
Peak Number 14 Dodecane, 2,6,10-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	6.26 ng	1832800	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
2	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	53
3	1-Undecene, 4-methyl-	168	C12H24	074630-39-0	53
4	Sulfurous acid, butyl pentyl ester	208	C9H20O3S	1000309-17-1	50
5	3-Bromooctane	192	C8H17Br	000999-64-4	50





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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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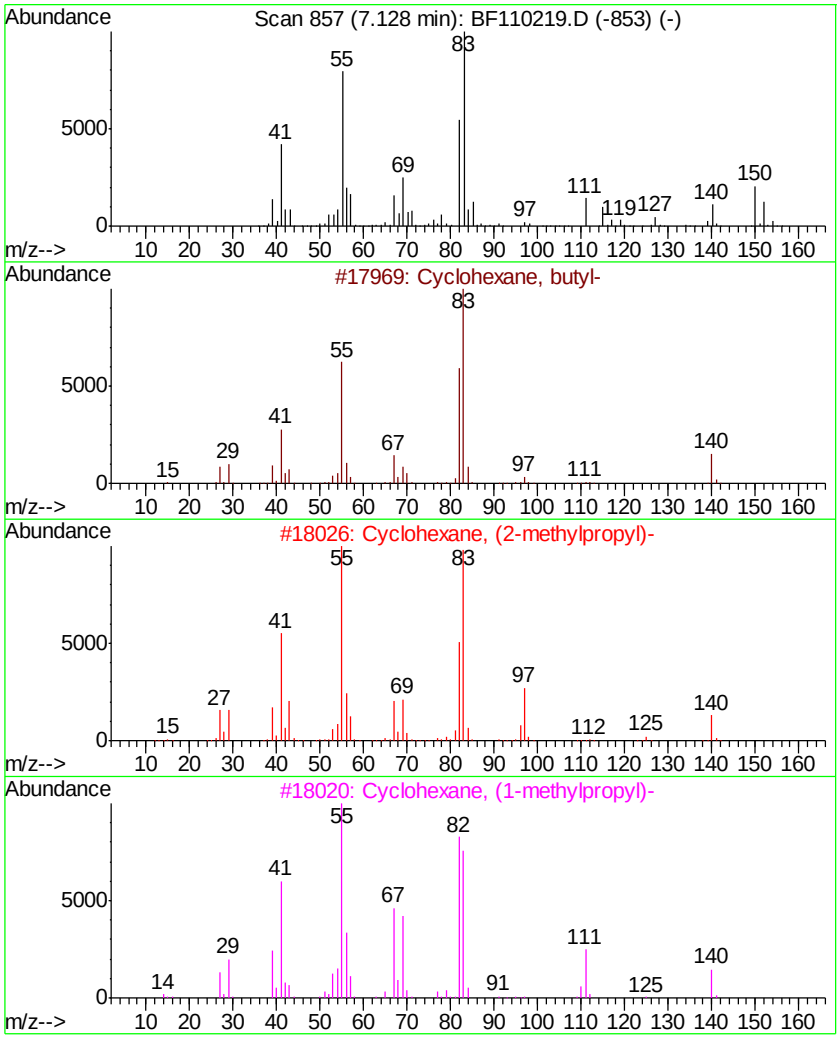
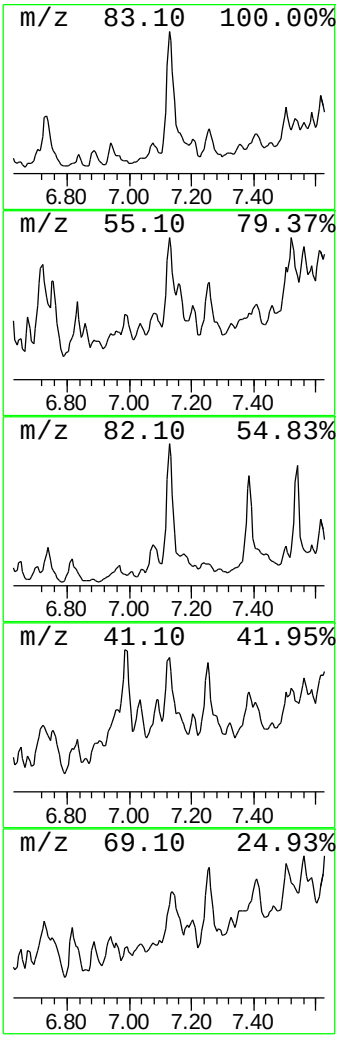
Peak Number 15 Cyclohexane, butyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	19.16 ng	5607860	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	70
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	68
3	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	53
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	50
5	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	43





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ClientSampleId : NON-UST-1A

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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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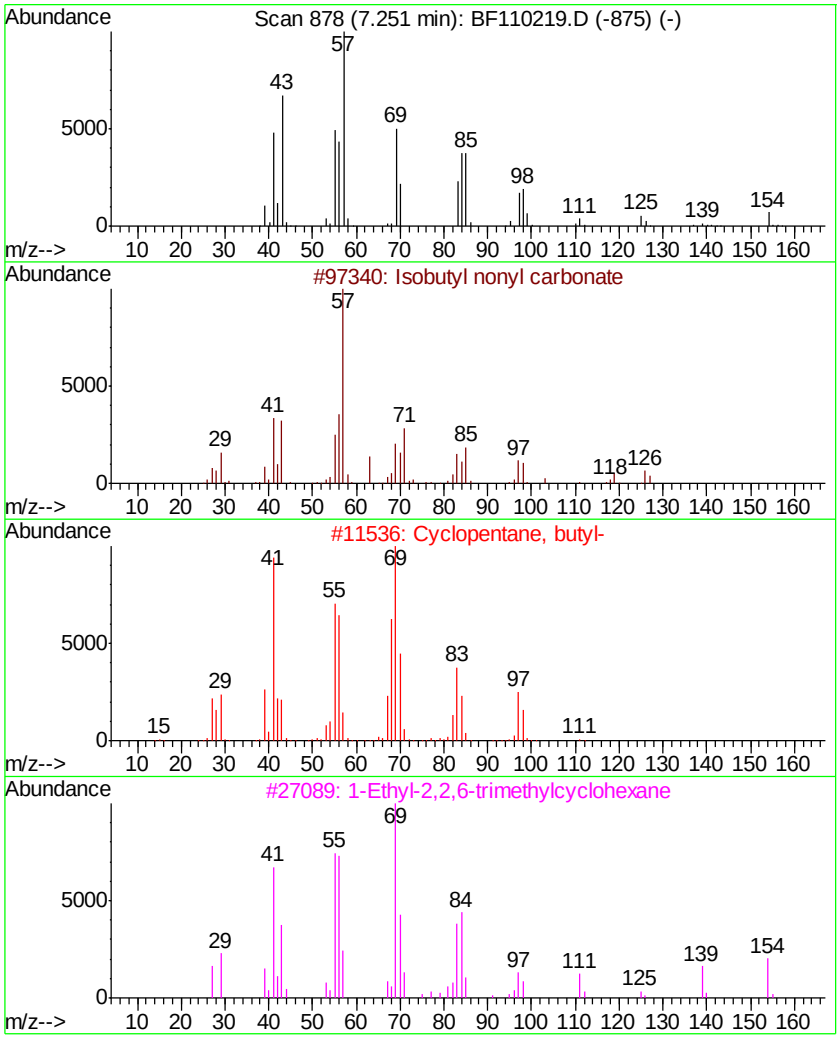
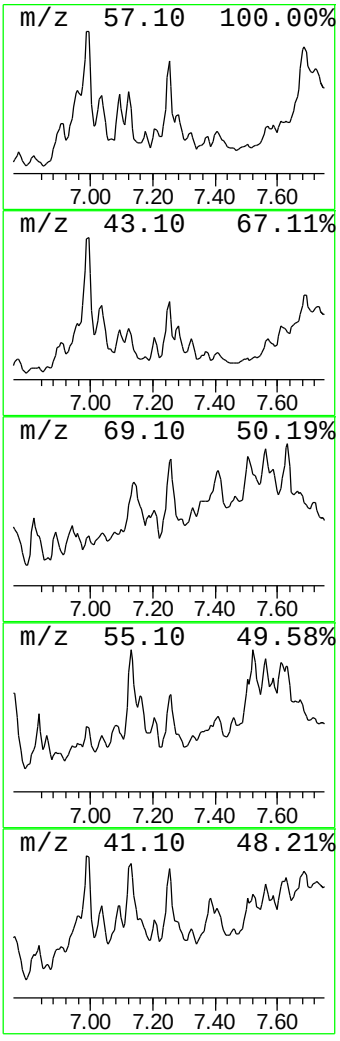
Peak Number 16 Isobutyl nonyl carbonate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	11.71 ng	3428910	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	59
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	50
3	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	50
4	1-Pentanol, 2,3-dimethyl-	116	C7H16O	010143-23-4	43
5	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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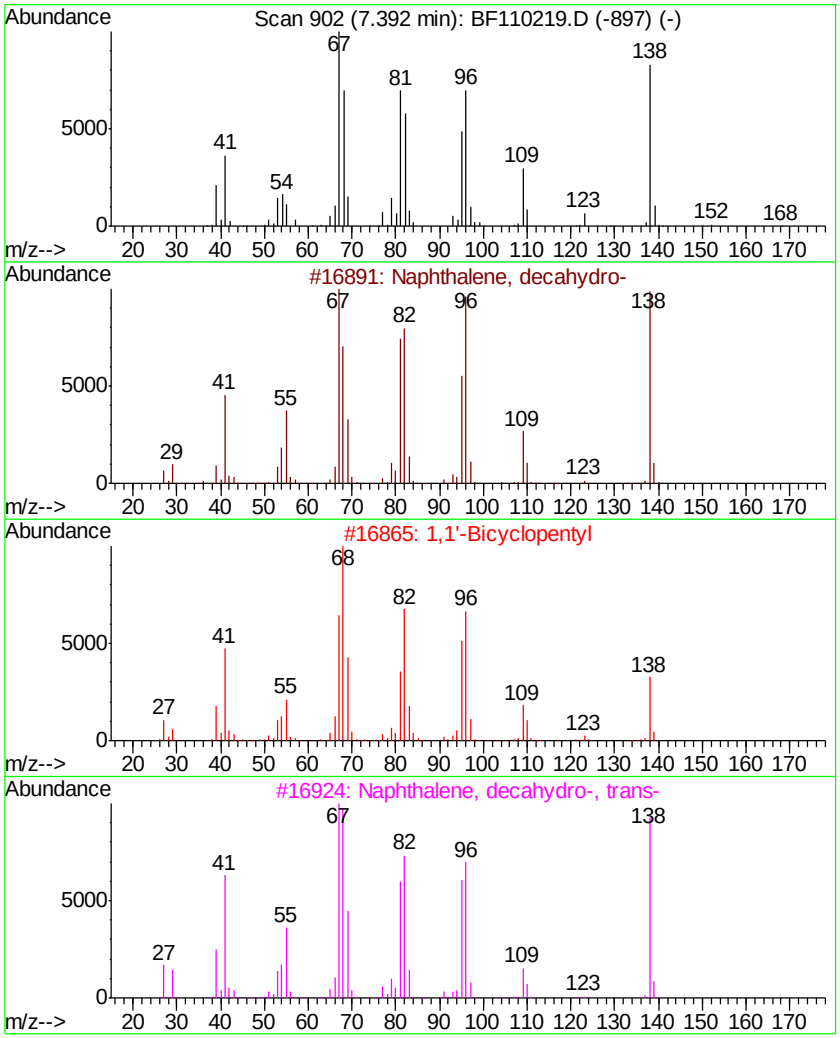
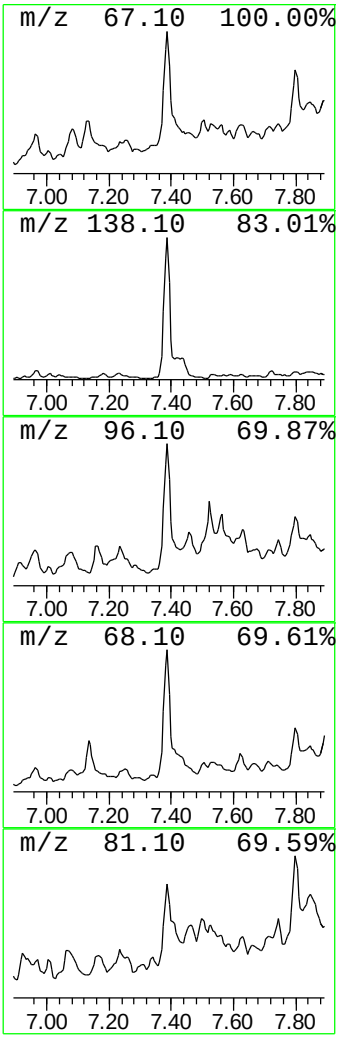
Peak Number 17 Naphthalene, decahydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	11.01 ng	3223580	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	94
2	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	91
3	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	87
4	Spiro[4.5]decane	138	C10H18	000176-63-6	76
5	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	72





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

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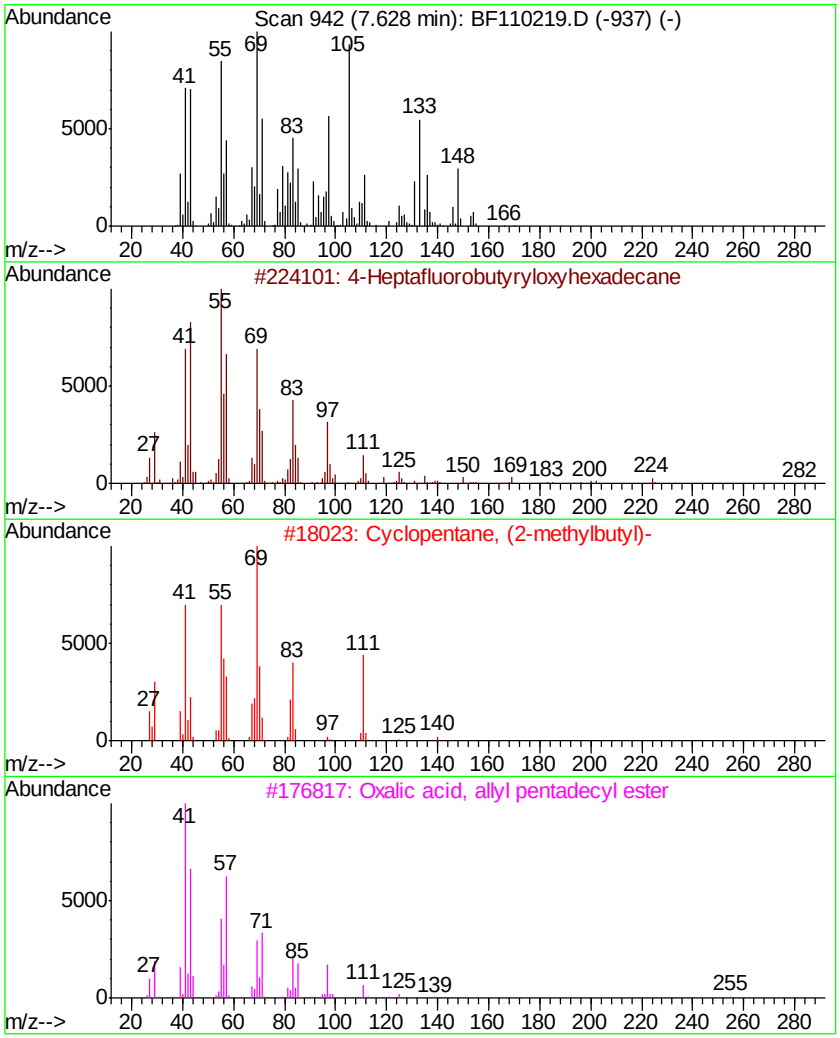
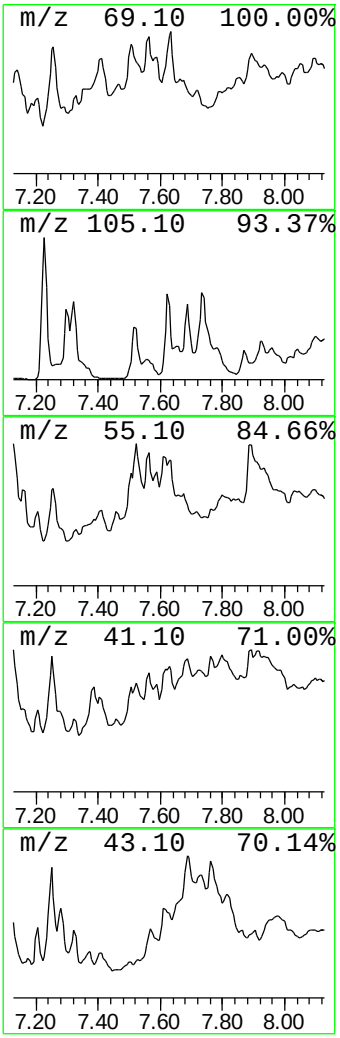
Peak Number 18 unknown7.63 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	20.00 ng	3910760	Naphthalene-d8	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptafluorobutyryloxyhexadecane	438	C20H33F7O2	1000282-97-2	43
2	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	38
3	Oxalic acid, allyl pentadecyl ester	340	C20H36O4	1000309-24-3	27
4	Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	27
5	1-Eicosanol	298	C20H42O	000629-96-9	18





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Acq On : 26 Oct 2018 19:37
Operator : JU/SJ
Sample : J5515-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NON-UST-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

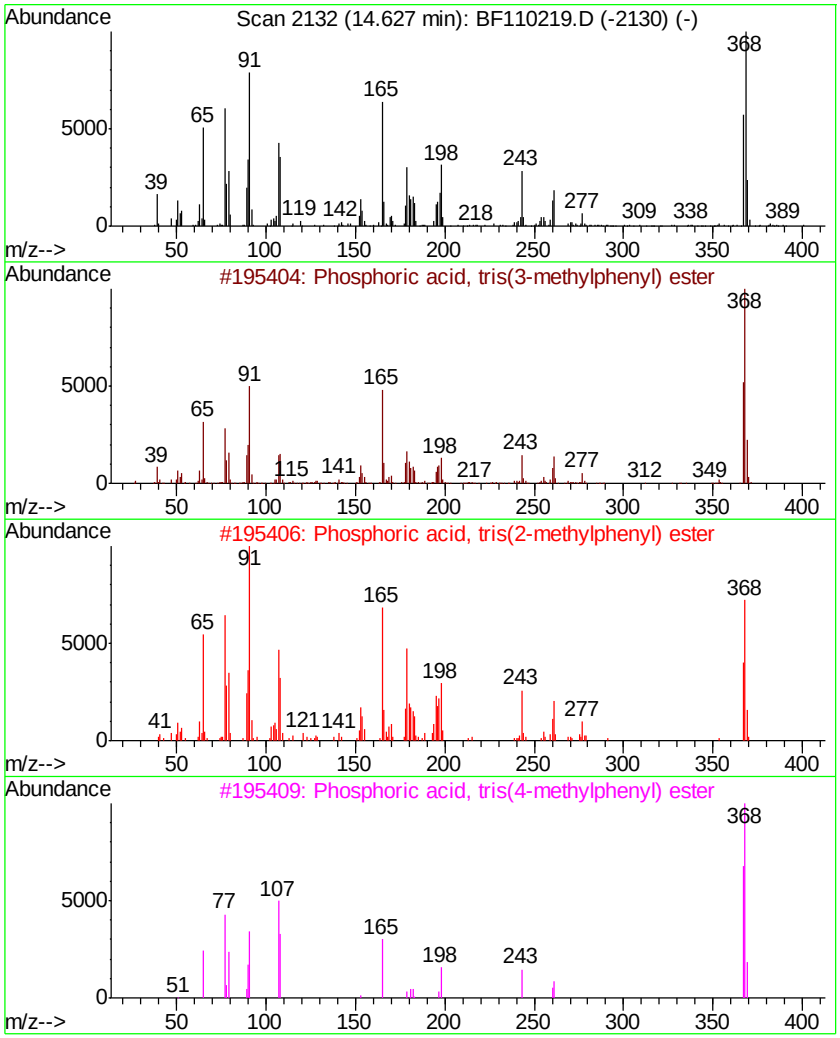
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

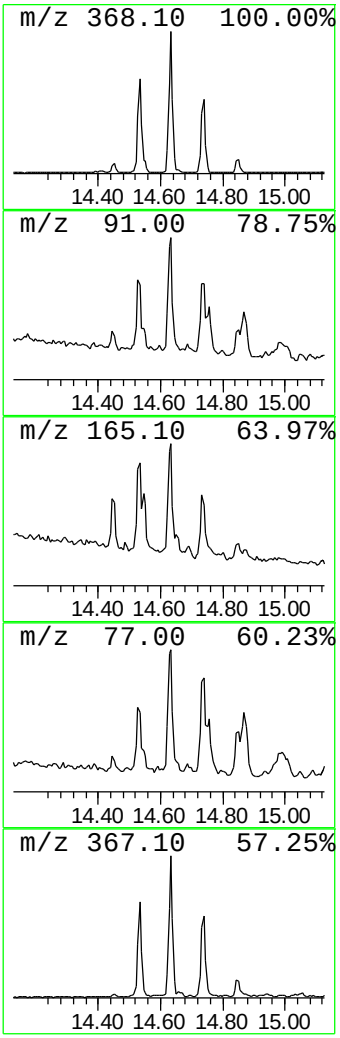
****

Peak Number 19 Phosphoric acid, tris(3-met... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	20.00 ng	569728	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
2	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	91
3	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	91
4	Pyrimidine-4,6-dione, hexahydro-...	368	C19H16N2O4S	310421-18-2	25
5	[2-(4-methylphenyl)-[benzo(f)(1-...	368	C22H18N2Ni	1000193-28-5	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102618\
Data File : BF110219.D
Acq On : 26 Oct 2018 19:37
Operator : JU/SJ
Sample : J5515-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NON-UST-1A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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
Cyclohexane, 1,1,...	5.19	5.3	ng	1542680	1	6.97	5854850	20.0
Heptane, 2,3-dime...	5.38	6.5	ng	1906850	1	6.97	5854850	20.0
Cyclopentane, 1-m...	5.74	5.3	ng	1557570	1	6.97	5854850	20.0
Cyclohexane, 1-et...	6.00	10.3	ng	3003910	1	6.97	5854850	20.0
Bicyclo[3.2.1]octane	6.13	12.2	ng	3574340	1	6.97	5854850	20.0
Octane, 2,6-dimet...	6.22	27.6	ng	8067410	1	6.97	5854850	20.0
Heptane, 3-ethyl-...	6.27	9.2	ng	2693210	1	6.97	5854850	20.0
Undecane, 5,6-dim...	6.41	14.0	ng	4092360	1	6.97	5854850	20.0
Heptane, 2,3,4-tr...	6.47	10.4	ng	3034870	1	6.97	5854850	20.0
Cyclohexane, 1,2,...	6.52	15.5	ng	4532460	1	6.97	5854850	20.0
Cyclohexane, 1-et...	6.72	11.6	ng	3392440	1	6.97	5854850	20.0
Cyclooctanemethanol	6.82	5.3	ng	1544020	1	6.97	5854850	20.0
unknown6.91	6.91	7.6	ng	2222190	1	6.97	5854850	20.0
Dodecane, 2,6,10-...	7.03	6.3	ng	1832800	1	6.97	5854850	20.0
Cyclohexane, butyl-	7.13	19.2	ng	5607860	1	6.97	5854850	20.0
Isobutyl nonyl ca...	7.25	11.7	ng	3428910	1	6.97	5854850	20.0
Naphthalene, deca...	7.39	11.0	ng	3223580	1	6.97	5854850	20.0
unknown7.63	7.63	20.0	ng	3910760	2	8.27	3910760	20.0
Phosphoric acid, ...	14.63	20.0	ng	569728	5	14.17	569728	20.0