LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115927.D
Acq On : 2 Aug 2019 00:35
Operator : HP/JU
Sample : K4024-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

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-BF073019.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	4.163	344	353	357	rBV2	317271	527773	6.82%	0.704%
2	4.210	357	361	370	rVB	164623	243146	3.14%	0.324%
3	4.310	370	378	382	rBV2	146159	247885	3.20%	0.331%
4	4.363	382	387	394	rVB2	146831	269486	3.48%	0.359%
5	4.498	404	410	420	rBV2	422503	634976	8.20%	0.847%
6	4.604	420	428	435	rBV	275267	382410	4.94%	0.510%
7	4.757	450	454	458	rBV2	95326	119812	1.55%	0.160%
8	4.804	458	462	465	rBV	209501	232131	3.00%	0.310%
9	4.916	472	481	485	rBV	710963	961984	12.42%	1.283%
10	4.969	485	490	491	rVV2	263210	371442	4.80%	0.495%
11	5.010	491	497	502	rVV2	851440	1713418	22.13%	2.285%
12	5.069	502	507	511	rVV	1470012	1753314	22.64%	2.339%
13	5.110	511	514	516	rVV2	254965	382618	4.94%	0.510%
14	5.134	516	518	521	rVB2	291400	284484	3.67%	0.379%
15	5.198	526	529	535	rVB	348497	403759	5.21%	0.539%
16	5.269	537	541	544	rBV	1640256	1786895	23.08%	2.384%
17	5.298	544	546	550	rVB2	288551	397516	5.13%	0.530%
18	5.357	553	556	560	rVB	447834	446389	5.77%	0.595%
19	5.398	560	563	564	rBV	134761	126485	1.63%	0.169%
20	5.428	564	568	570	rBV	240208	279492	3.61%	0.373%
21	5.451	570	572	579	rVB3	821866	1376376	17.78%	1.836%
22	5.504	579	581	586	rVB4	130619	135051	1.74%	0.180%
23	5.551	586	589	591	rBV	629426	658911	8.51%	0.879%
24	5.592	595	596	599	rVB	174314	132827	1.72%	0.177%
25	5.634	599	603	607	rBV2	1425453	2171836	28.05%	2.897%
26	5.675	607	610	613	rVB	1765578	1543341	19.93%	2.059%
27	5.716	613	617	619	rBV	1360401	1440876	18.61%	1.922%
28	5.787	625	629	633	rVB	654415	618311	7.99%	0.825%
29	5.887	639	646	649	rBV2	2199992	3556354	45.93%	4.744%
30	5.934	649	654	657	rBV3	1129936	1746997	22.56%	2.330%
31	6.022	663	669	674	rBV3	3416571	4451784	57.49%	5.938%
32	6.069	674	677	679	rBV2	1059406	1231145	15.90%	1.642%
33	6.116	682	685	692	rBV2	4516496	7742924	100.00%	10.328%
34	6.175	692	695	697	rVB2	1793173	1529694	19.76%	2.040%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115927.D
Acq On : 2 Aug 2019 00:35
Operator : HP/JU
Sample : K4024-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.210	697	701	703	rVB3	593054	660523	8.53%	0.881%
36	6.234	703	705	707	rVB	766529	557435	7.20%	0.744%
37	6.251	707	708	712	rVB2	967953	844613	10.91%	1.127%
38	6.304	712	717	719	rBV2	2958120	4050824	52.32%	5.403%
39	6.363	725	727	730	rVB	1119789	958093	12.37%	1.278%
40	6.404	730	734	742	rBV5	2918092	6207586	80.17%	8.280%
41	6.481	742	747	751	rBV4	1117529	1855679	23.97%	2.475%
42	6.516	751	753	755	rVV	1592958	1512583	19.54%	2.018%
43	6.539	755	757	759	rVV	1792226	1602307	20.69%	2.137%
44	6.563	759	761	764	rVB	1008078	991697	12.81%	1.323%
45	6.722	783	788	791	rVB4	1425860	2020455	26.09%	2.695%
46	6.816	799	804	806	rBV3	1771302	2940182	37.97%	3.922%
47	6.887	813	816	820	rVB	1562095	1592360	20.57%	2.124%
48	7.016	835	838	842	rBV3	1957392	3115829	40.24%	4.156%
49	7.186	865	867	870	rBV	978696	1056396	13.64%	1.409%
50	14.045	2031	2033	2039	rVB3	948526	1279702	16.53%	1.707%
51	14.486	2106	2108	2114	rVB2	449141	421672	5.45%	0.562%
52	14.792	2157	2160	2165	rVB	362150	390272	5.04%	0.521%
53	15.127	2214	2217	2223	rVB	414873	454449	5.87%	0.606%
54	15.504	2276	2281	2289	rVB2	928043	1331901	17.20%	1.777%
55	15.939	2351	2355	2361	rVB	229038	340119	4.39%	0.454%
56	16.192	2395	2398	2407	rVB	121869	227686	2.94%	0.304%
57	16.445	2436	2441	2456	rVB4	151912	389190	5.03%	0.519%
58	16.627	2468	2472	2480	rVB2	142707	265713	3.43%	0.354%

Sum of corrected areas: 74969108

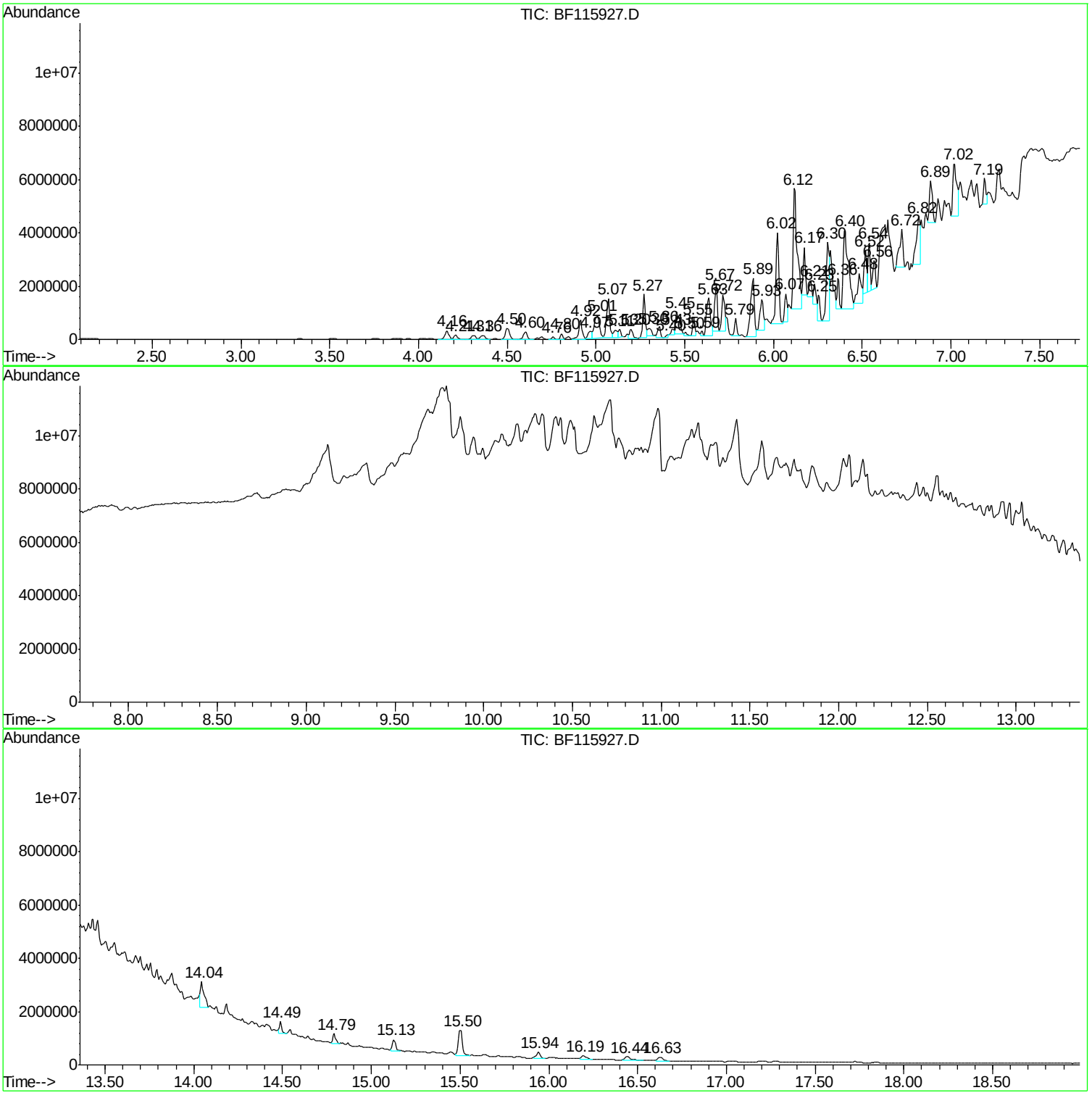
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115927.D
Acq On : 2 Aug 2019 00:35
Operator : HP/JU
Sample : K4024-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF080119\
Data File : BF115927.D
Acq On : 2 Aug 2019 00:35
Operator : HP/JU
Sample : K4024-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

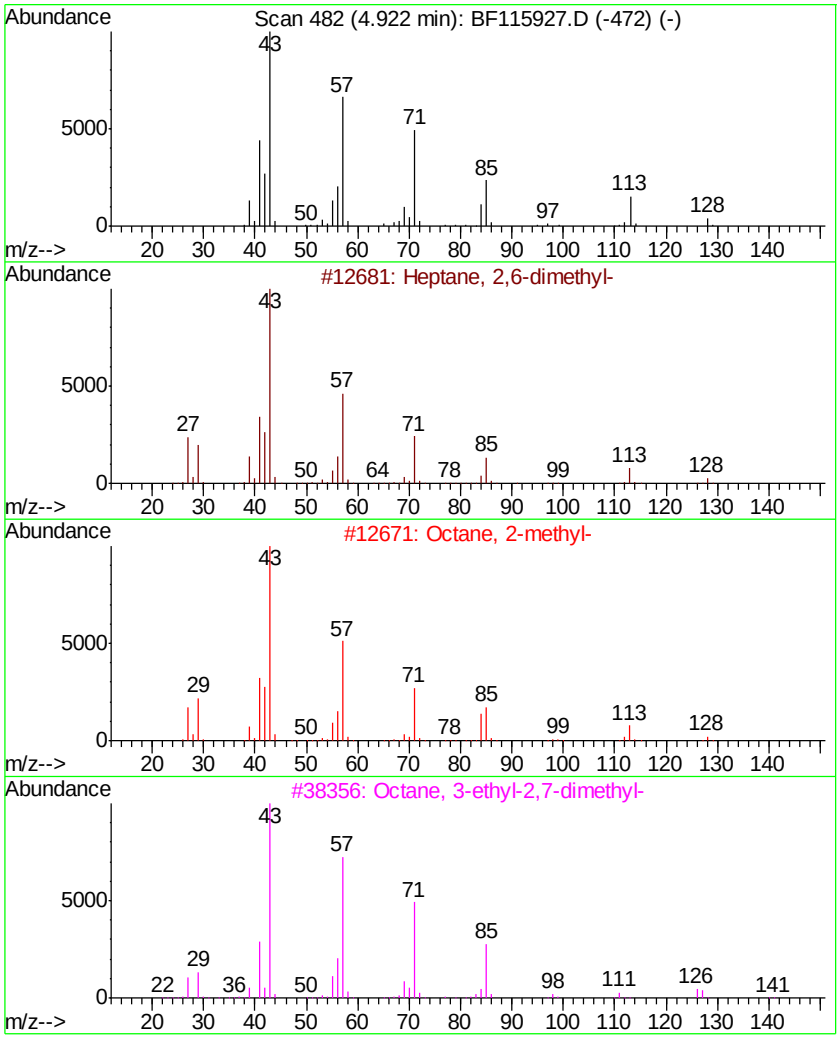
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

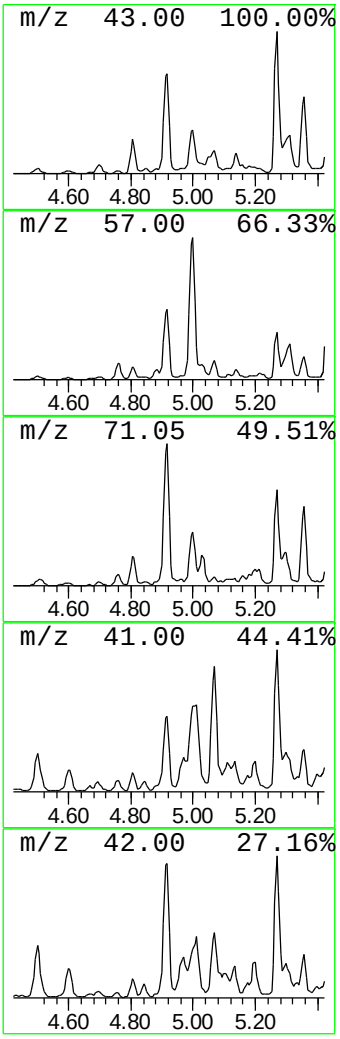
****

Peak Number 1 Heptane, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	12.08 ng	961984	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	94
2	Octane, 2-methyl-	128	C9H20	003221-61-2	81
3	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53
4	1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	53
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115927.D
Acq On : 2 Aug 2019 00:35
Operator : HP/JU
Sample : K4024-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

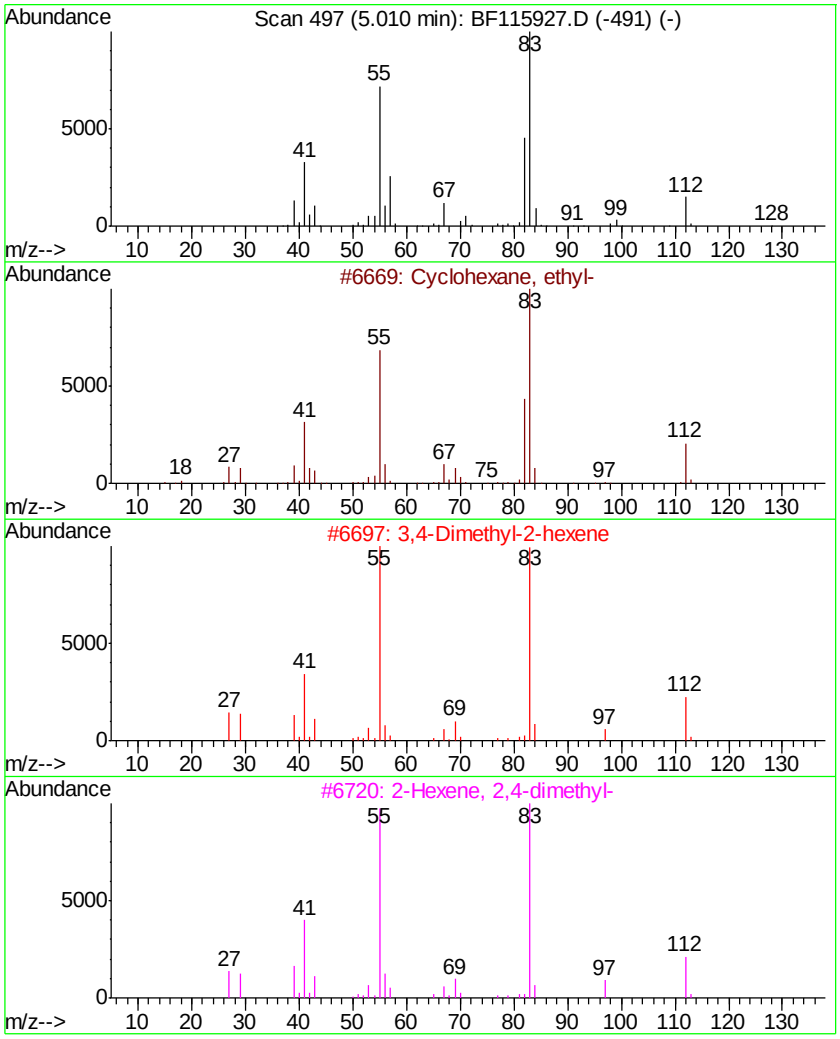
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

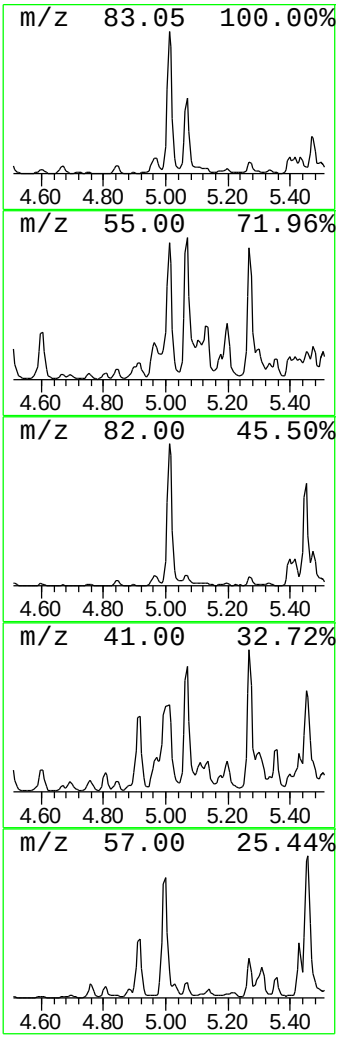
****

Peak Number 2 Cyclohexane, ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	21.52 ng	1713420	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	58
3	2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	58
4	Oxalic acid, cyclohexyl isohexyl...	256	C14H24O4	1000309-30-7	53
5	3-Hexene, 2,4-dimethyl-	112	C8H16	082085-14-1	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115927.D
Acq On : 2 Aug 2019 00:35
Operator : HP/JU
Sample : K4024-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

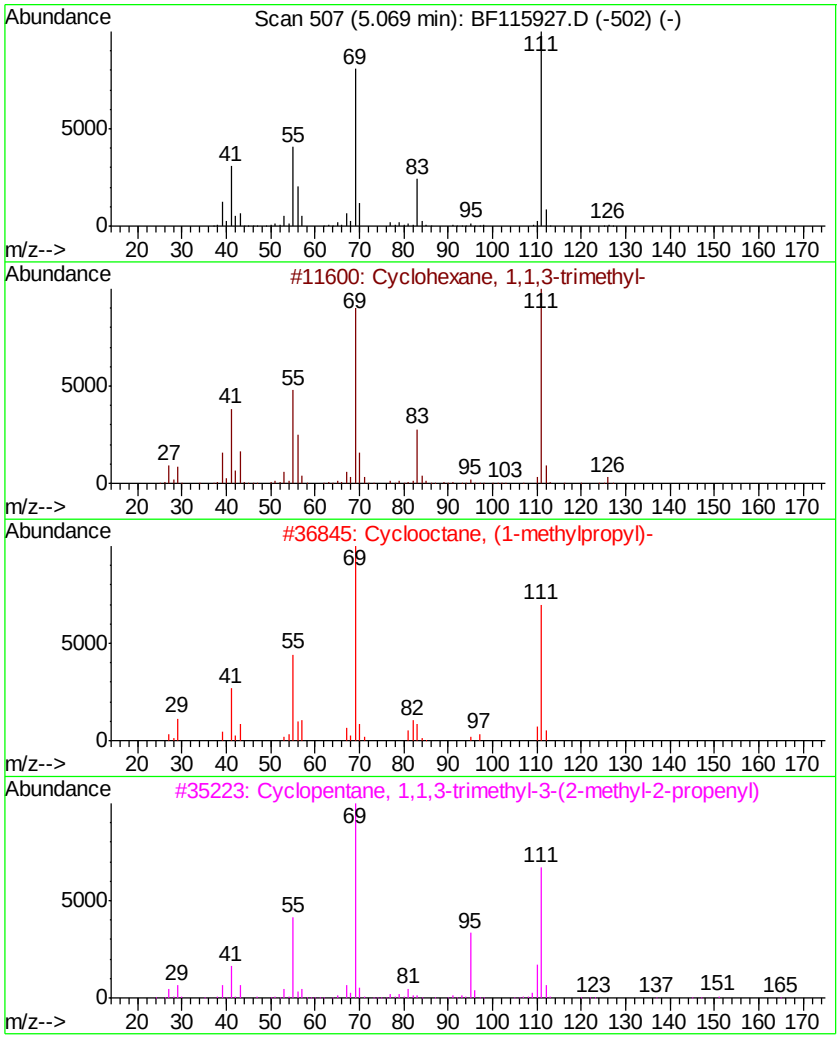
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

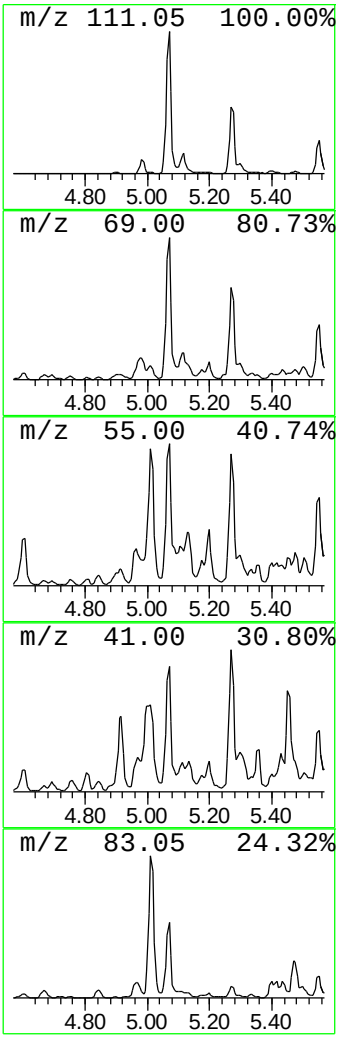
****

Peak Number 3 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	22.02 ng	1753310	1,4-Dichlorobenzene-d4	6.86

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	Cyclopentane, 1,1,3-trimethyl-3-...	166	C12H22	074421-09-3	59
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	56
5	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-32-8	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115927.D
Acq On : 2 Aug 2019 00:35
Operator : HP/JU
Sample : K4024-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

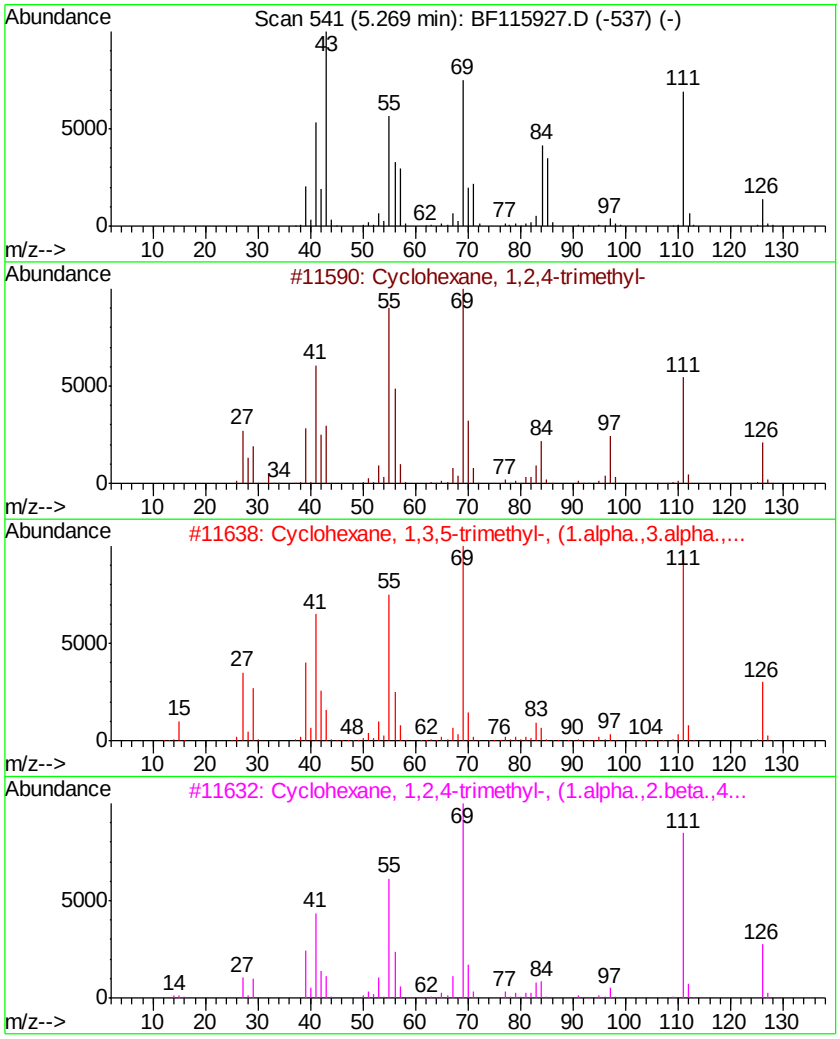
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

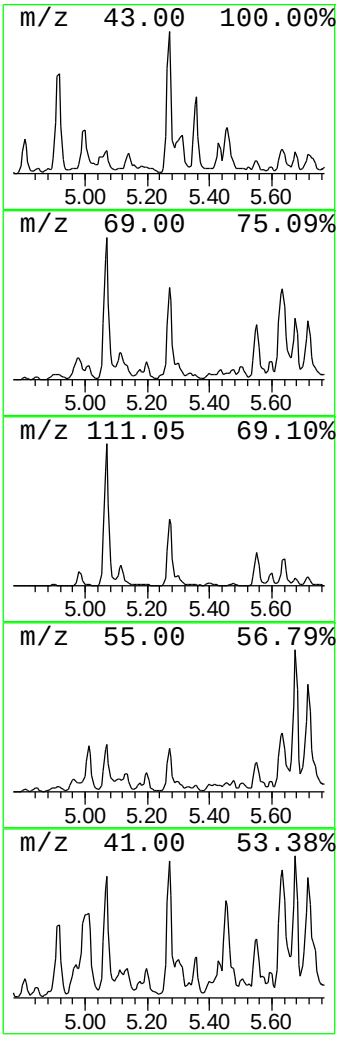
****

Peak Number 4 Cyclohexane, 1,2,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.27	22.44 ng	1786900	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	53
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	49
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	49
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	46
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115927.D
Acq On : 2 Aug 2019 00:35
Operator : HP/JU
Sample : K4024-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

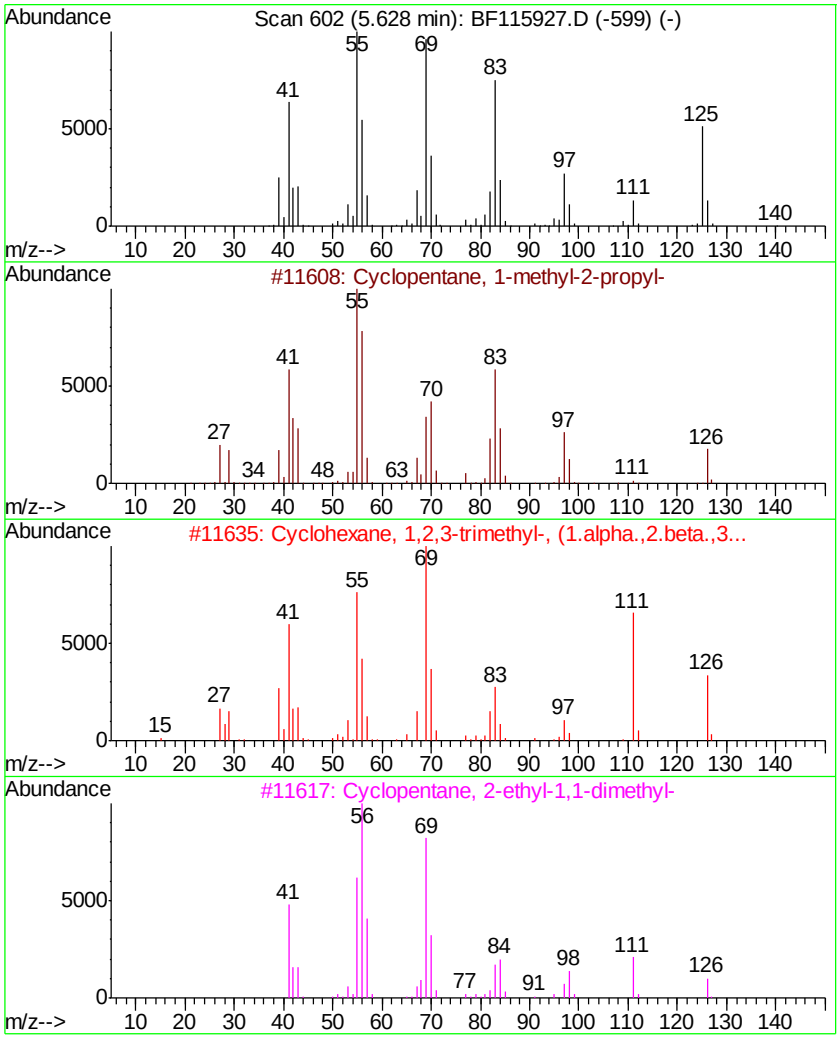
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

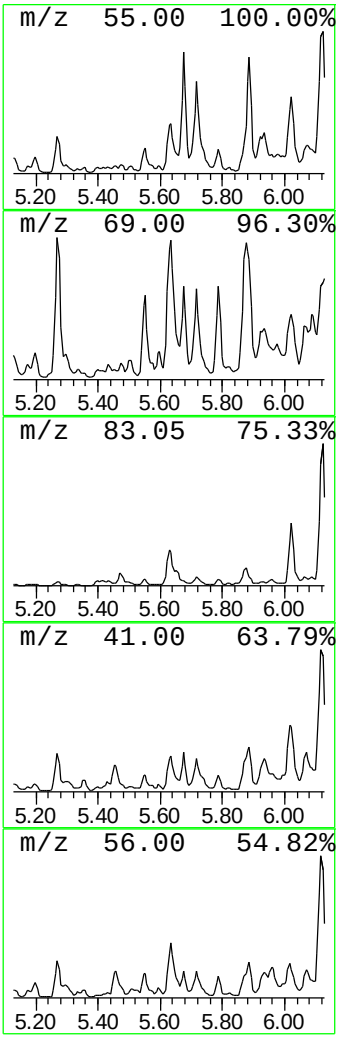
****

Peak Number 5 Cyclopentane, 1-methyl-2-pr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	27.28 ng	2171840	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	90
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	76
3	Cyclopentane, 2-ethyl-1,1-dimethyl-	126	C9H18	054549-80-3	64
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	49
5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115927.D
Acq On : 2 Aug 2019 00:35
Operator : HP/JU
Sample : K4024-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

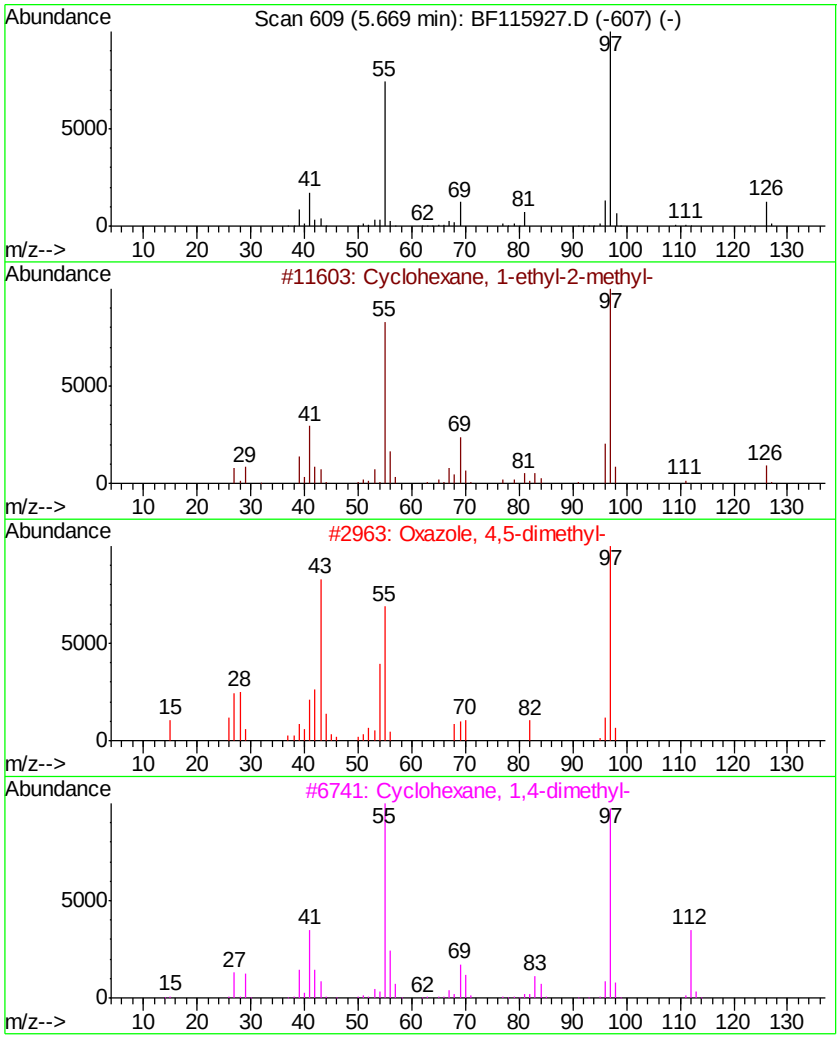
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

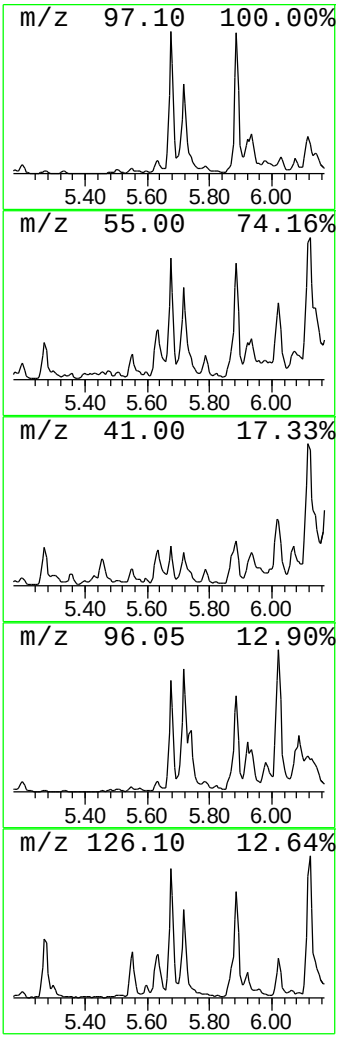
****

Peak Number 6 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.67	19.38 ng	1543340	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	86
2	Oxazole, 4,5-dimethyl-	97	C5H7NO	020662-83-3	72
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	72
4	4-Octen-3-one	126	C8H14O	014129-48-7	72
5	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115927.D
Acq On : 2 Aug 2019 00:35
Operator : HP/JU
Sample : K4024-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

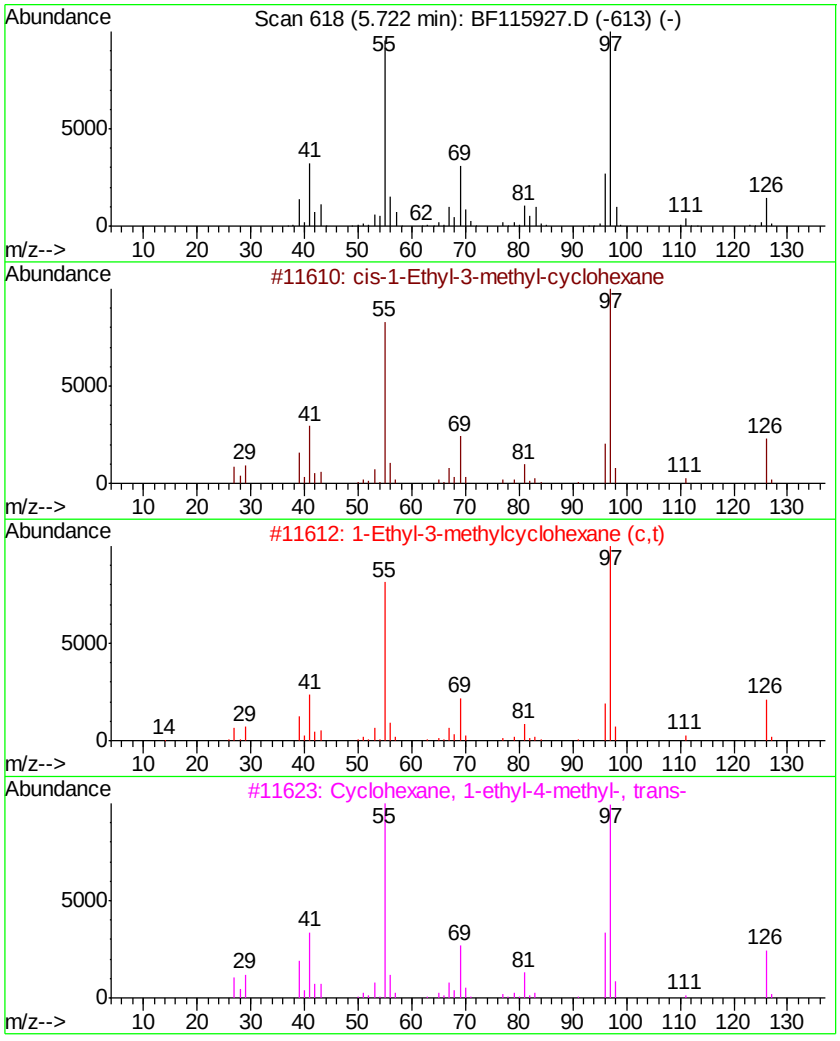
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

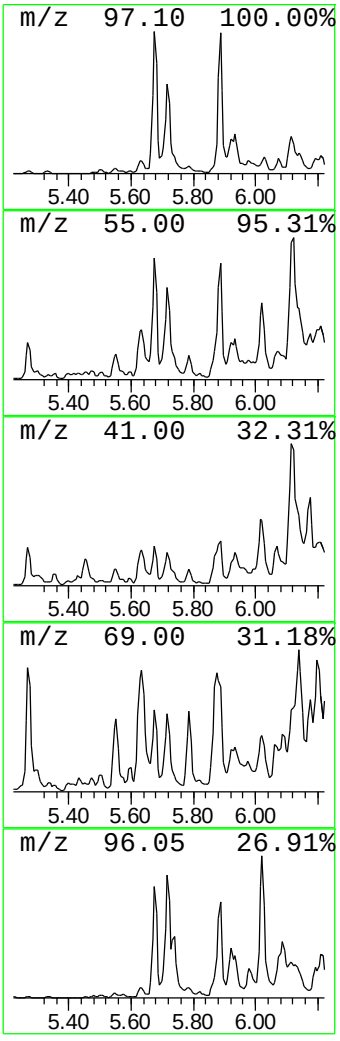
****

Peak Number 7 cis-1-Ethyl-3-methyl-cycloh... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.72	18.10 ng	1440880	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	91
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	91
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	91
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	91
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115927.D
Acq On : 2 Aug 2019 00:35
Operator : HP/JU
Sample : K4024-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

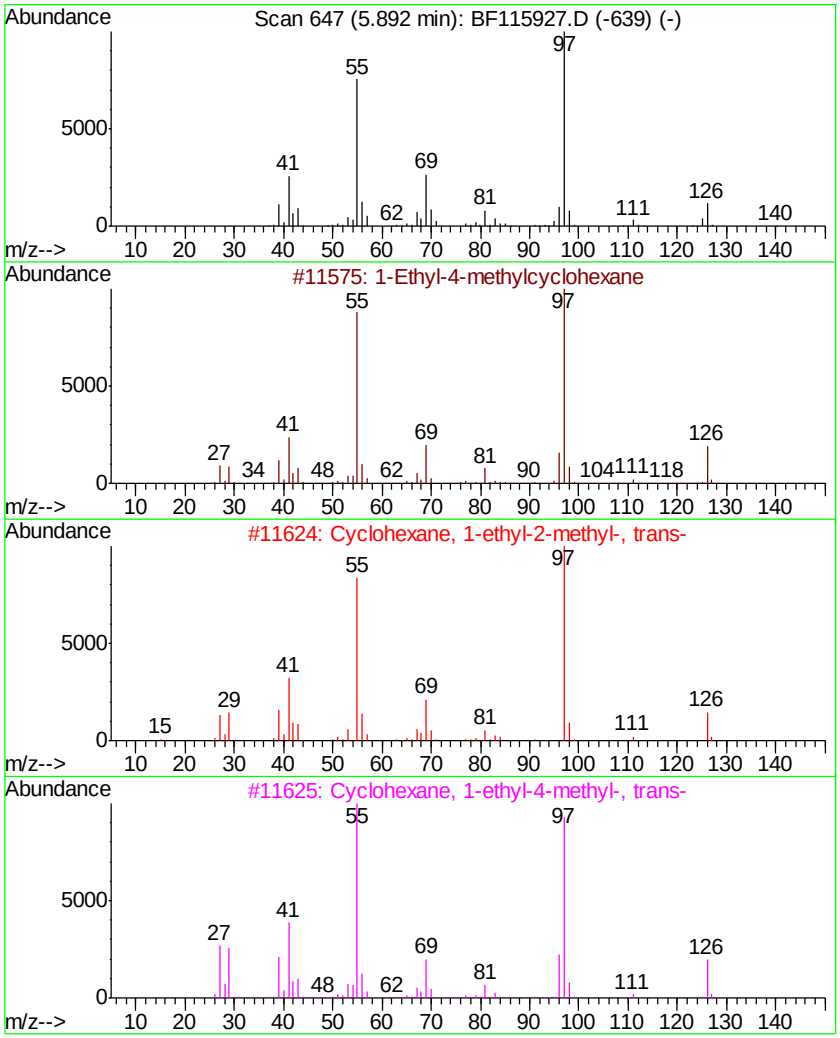
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

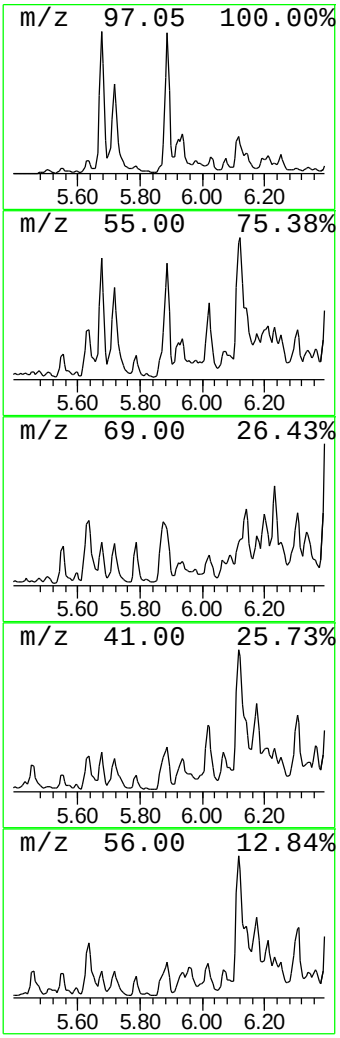
****

Peak Number 8 1-Ethyl-4-methylcyclohexane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	44.67 ng	3556350	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	87
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	83
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	83
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72





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Sample : K4024-09
Misc :
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ClientSampleId : TP-8

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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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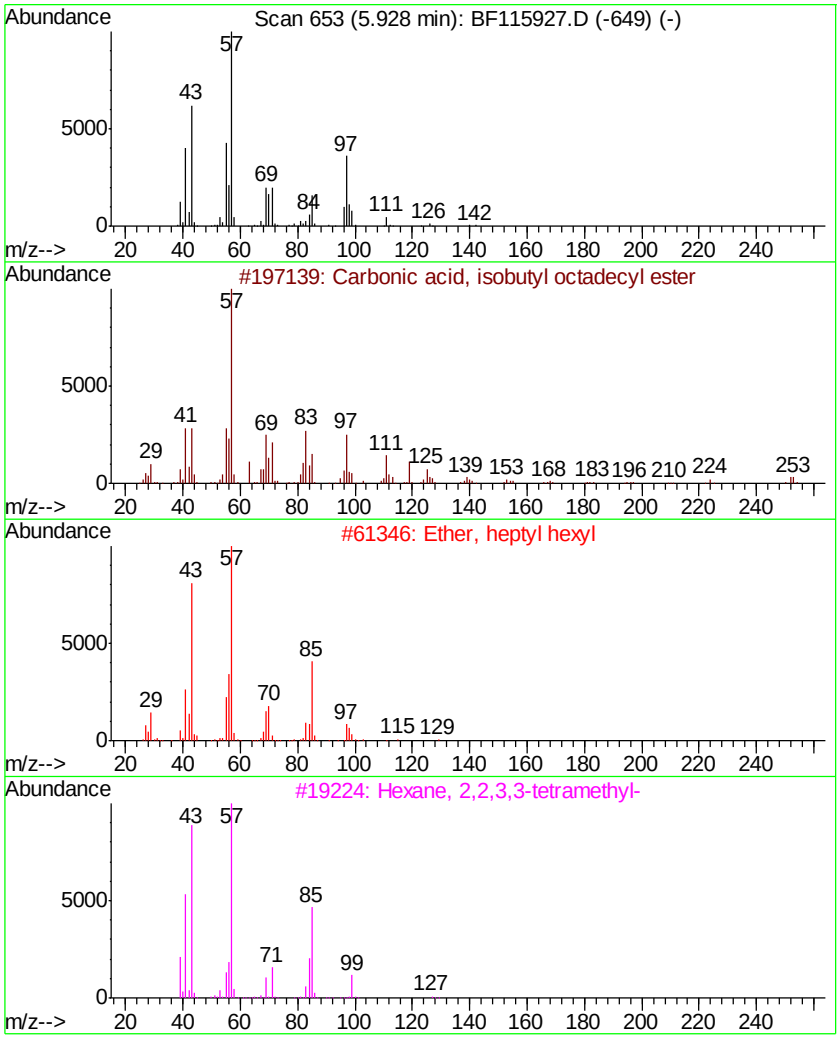
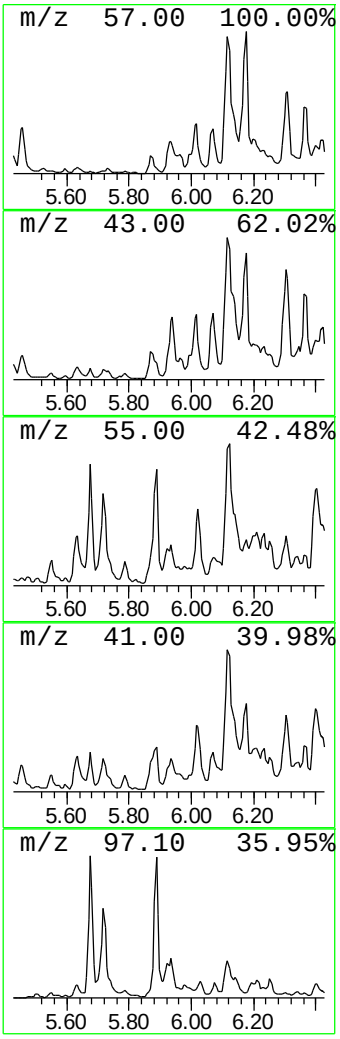
Peak Number 9 Carbonic acid, isobutyl oct... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	21.94 ng	1747000	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, isobutyl octadecy...	370	C23H46O3	1000314-61-5	53
2	Ether, heptyl hexyl	200	C13H28O	007289-40-9	50
3	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	46
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	43
5	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	38





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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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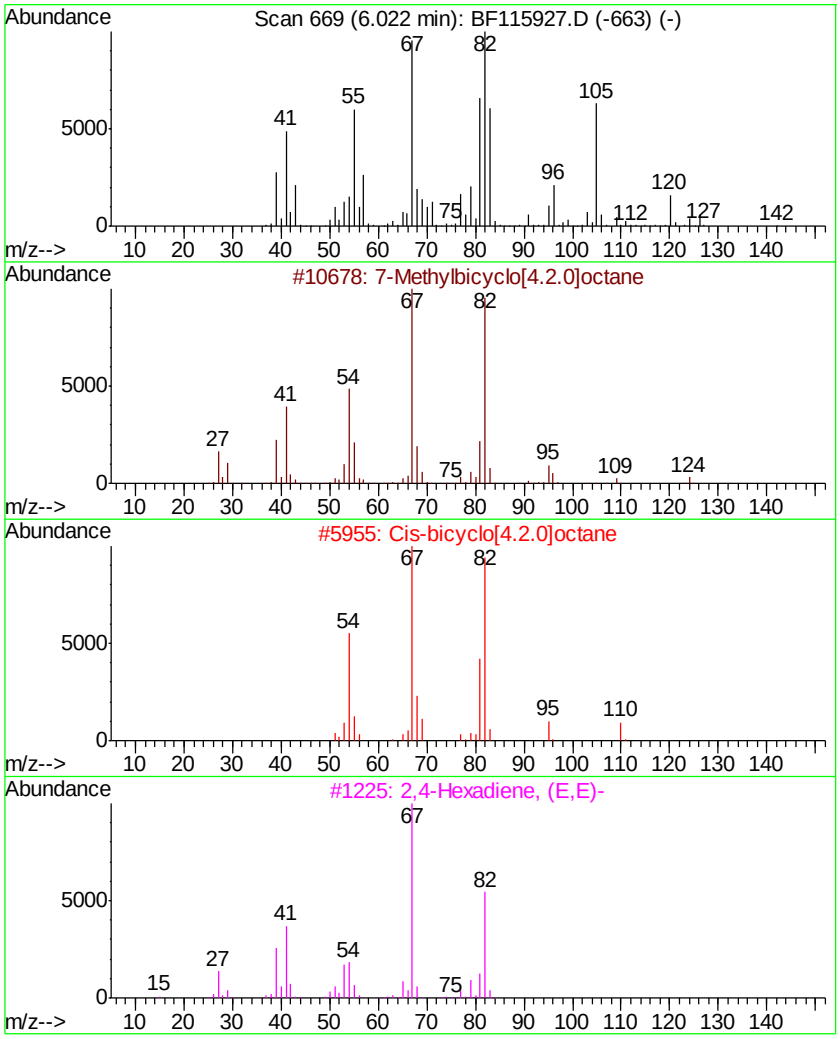
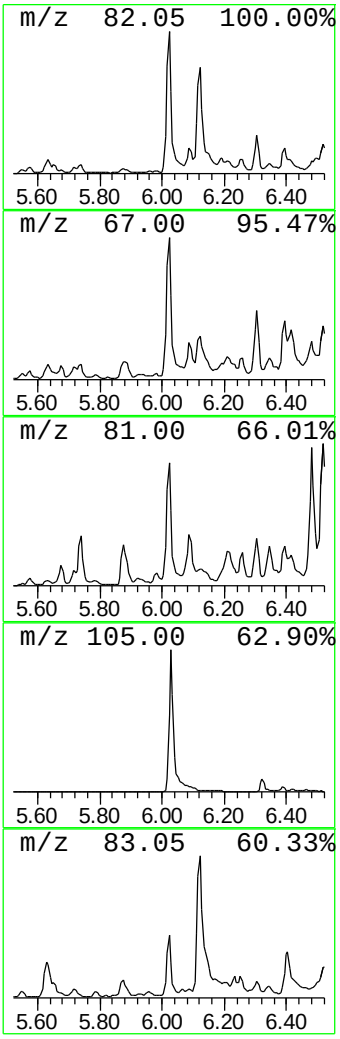
Peak Number 10 7-Methylbicyclo[4.2.0]octane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.02	55.91 ng	4451780	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	62
2	Cis-bicyclo[4.2.0]octane	110	C8H14	028282-35-1	52
3	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	49
4	2,4-Hexadiene	82	C6H10	000592-46-1	47
5	1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	47





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

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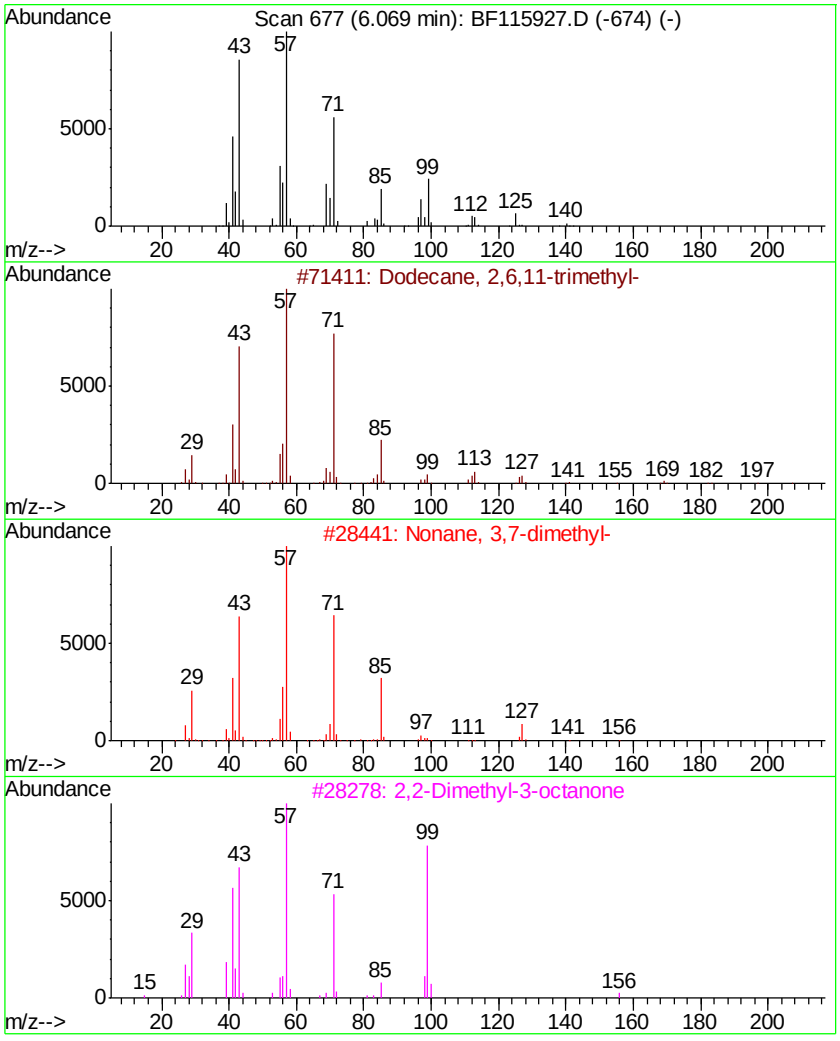
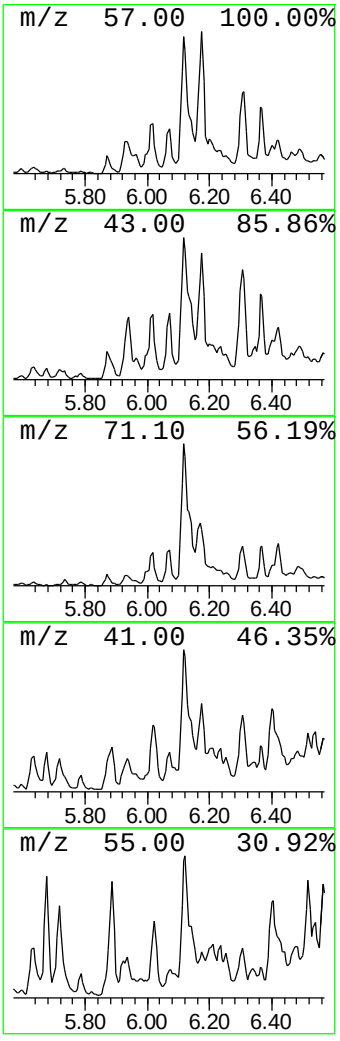
Peak Number 11 Dodecane, 2,6,11-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.07	15.46 ng	1231150	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	50
3	2,2-Dimethyl-3-octanone	156	C10H20O	005340-64-7	50
4	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	47
5	Decane, 2-methyl-	156	C11H24	006975-98-0	47





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Instrument : BNA_F
ClientSampleId : TP-8

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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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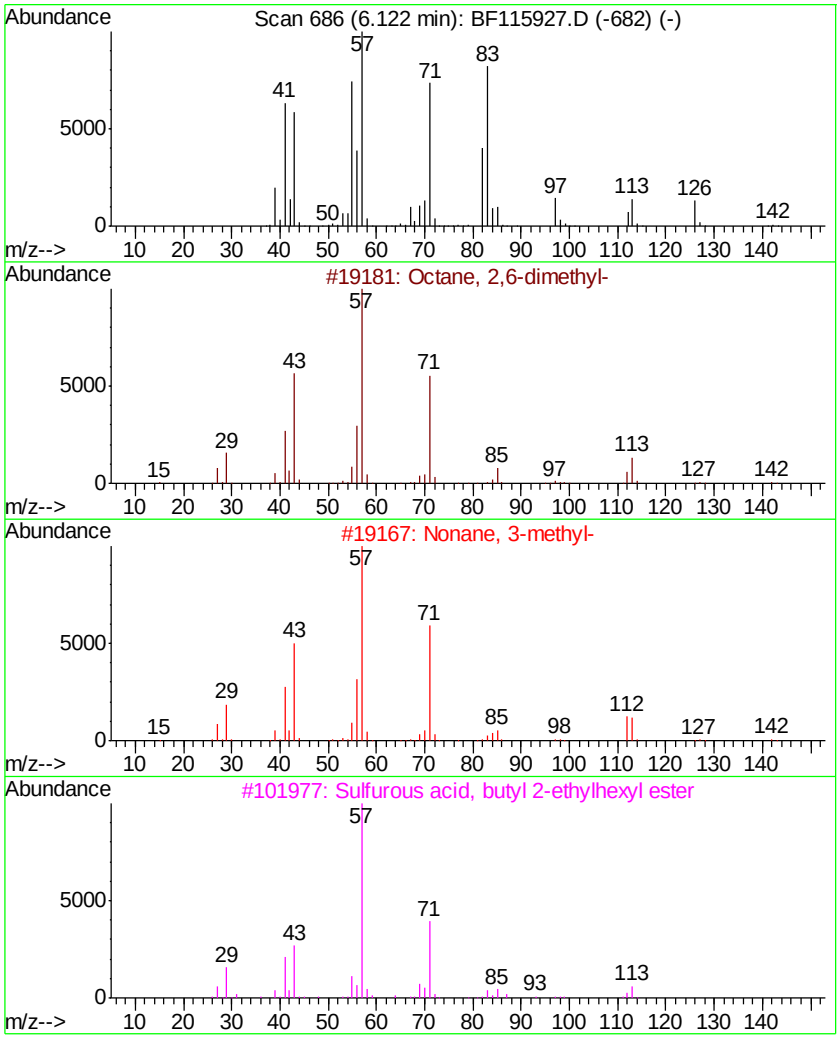
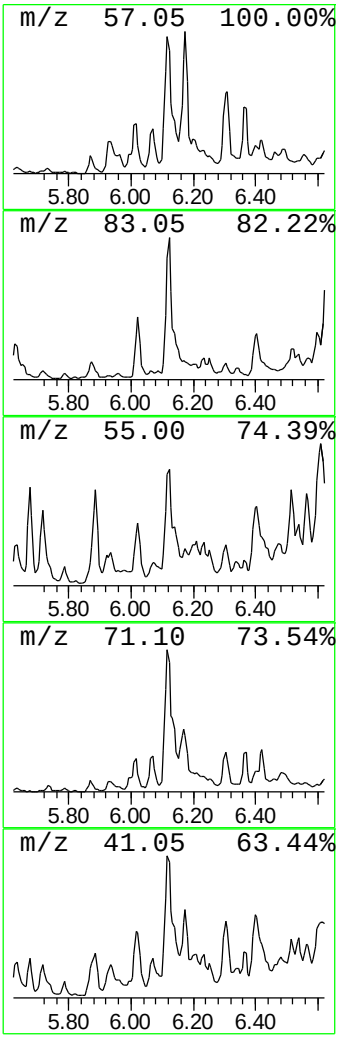
Peak Number 12 Octane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	97.25 ng	7742920	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	60
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	60
3	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	35
4	3-Bromooctane	192	C8H17Br	000999-64-4	30
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	27





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

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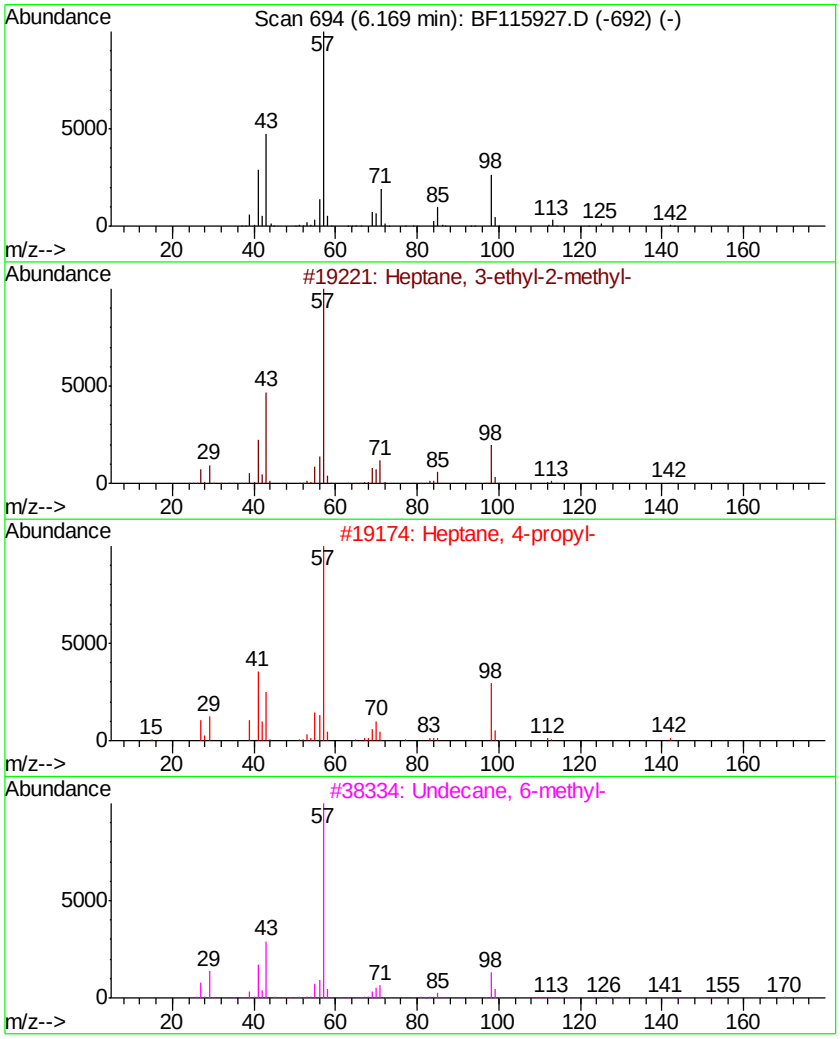
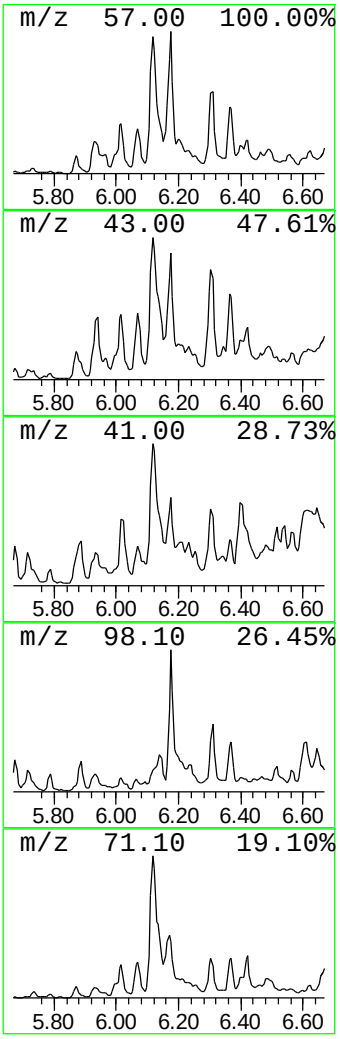
Peak Number 13 Heptane, 3-ethyl-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	19.21 ng	1529690	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	83
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	78
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	64
4	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	52
5	Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	47





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

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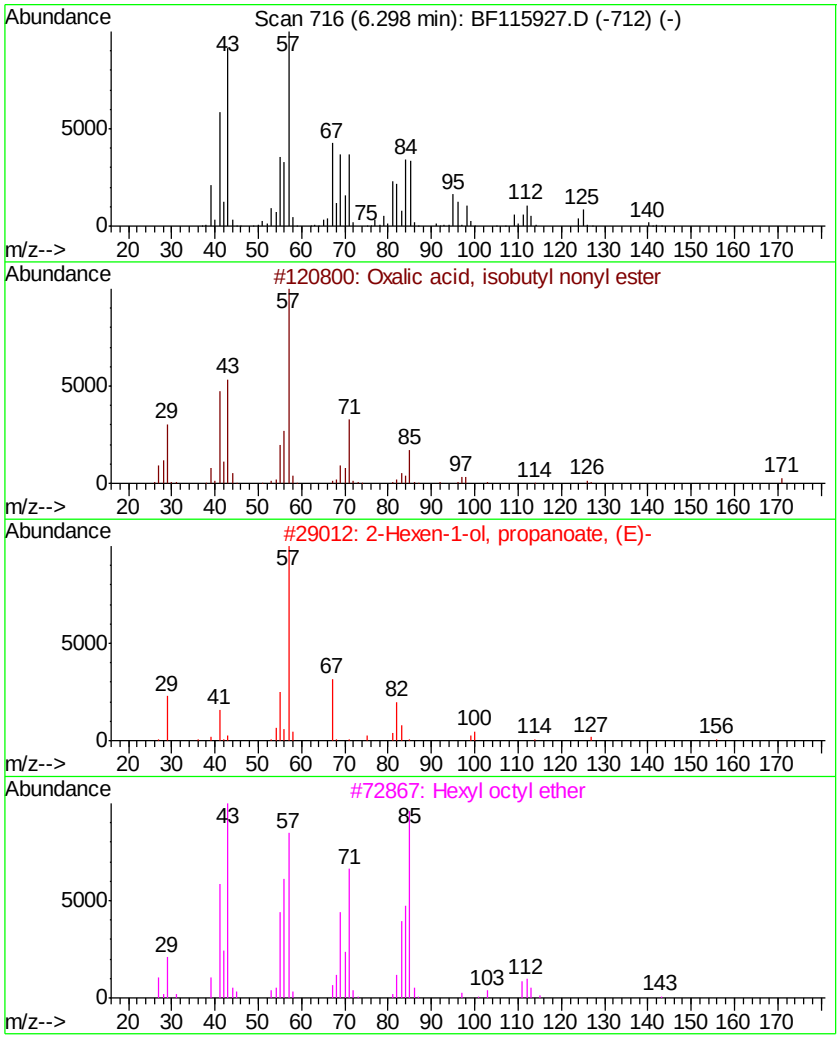
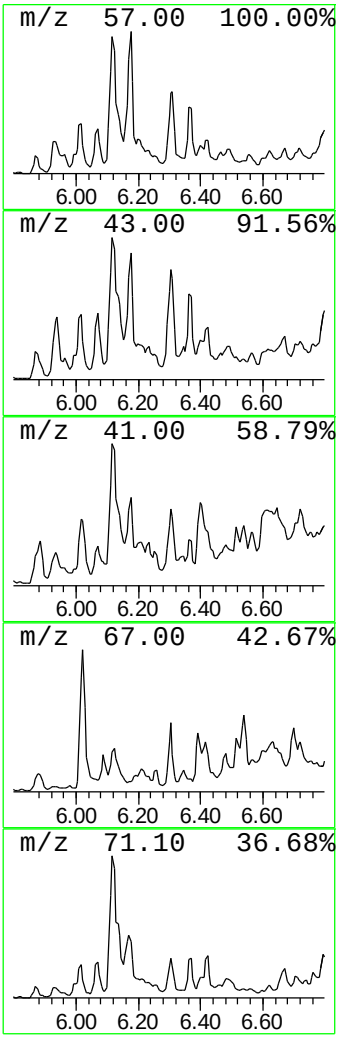
Peak Number 14 unknown6.30 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	50.88 ng	4050820	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	38
2	2-Hexen-1-ol, propanoate, (E)-	156	C9H16O2	053398-80-4	35
3	Hexyl octyl ether	214	C14H30O	017071-54-4	27
4	Heptane, 4-ethyl-	128	C9H20	002216-32-2	27
5	Octane, 4-ethyl-	142	C10H22	015869-86-0	25





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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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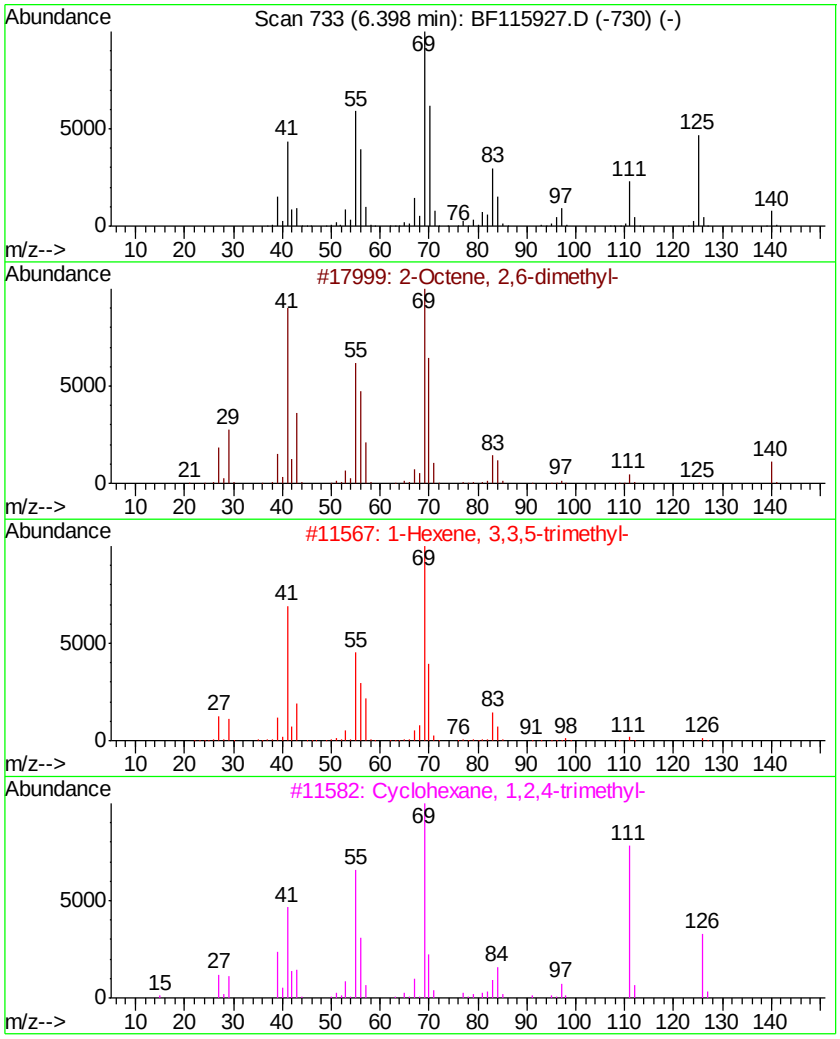
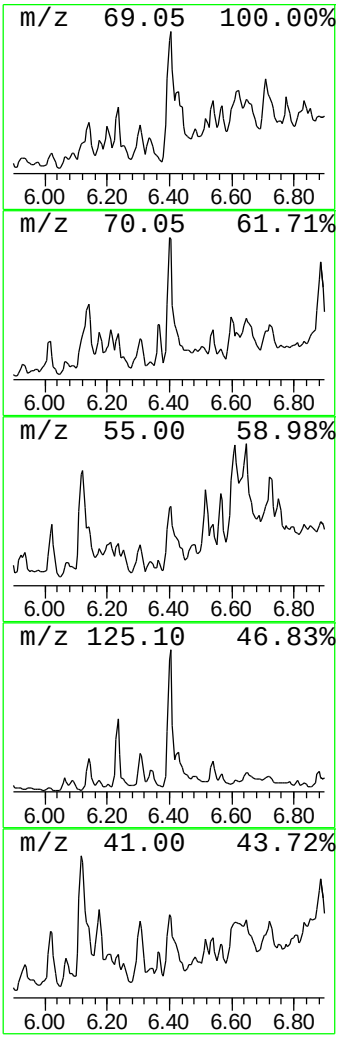
Peak Number 15 2-Octene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	77.97 ng	6207590	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	62
2	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	53
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	47
4	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	41
5	6-Methyl-hept-2-yn-4-ol	126	C8H14O	060018-69-1	38





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

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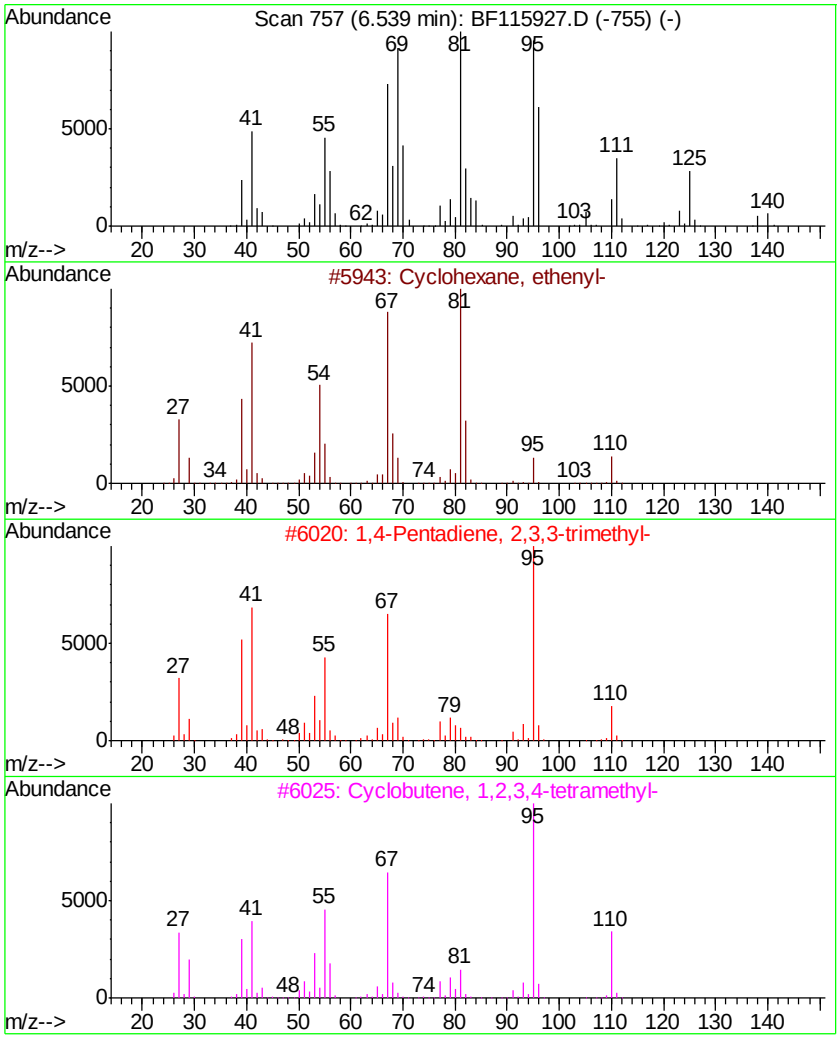
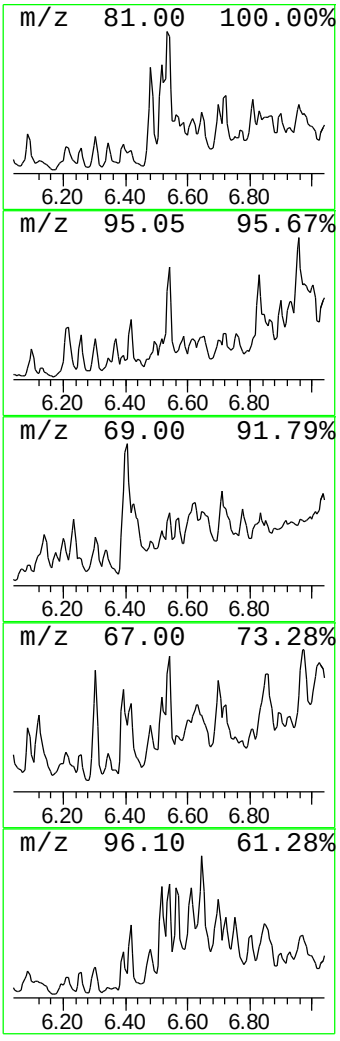
Peak Number 16 unknown6.54 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	20.12 ng	1602310	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethenyl-	110	C8H14	000695-12-5	38
2	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	38
3	Cyclobutene, 1,2,3,4-tetramethyl-	110	C8H14	090346-45-5	30
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	22
5	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	22





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

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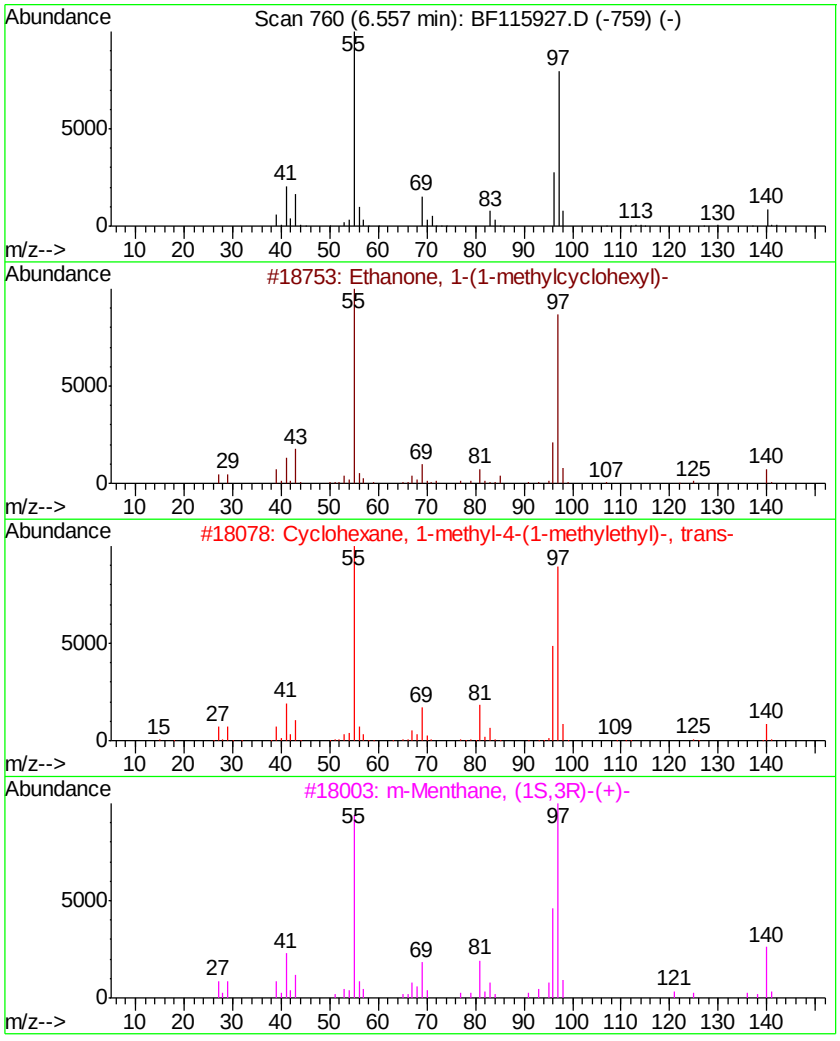
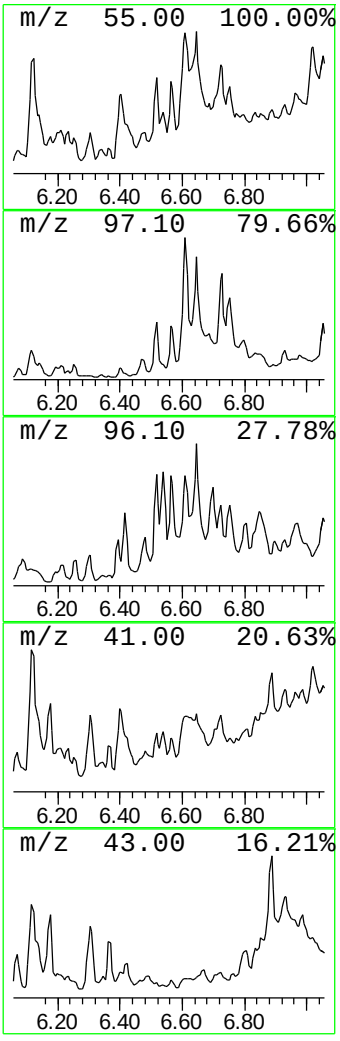
Peak Number 17 Ethanone, 1-(1-methylcycloh... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	12.46 ng	991697	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	86
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	86
3	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	86
4	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	86
5	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	86





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

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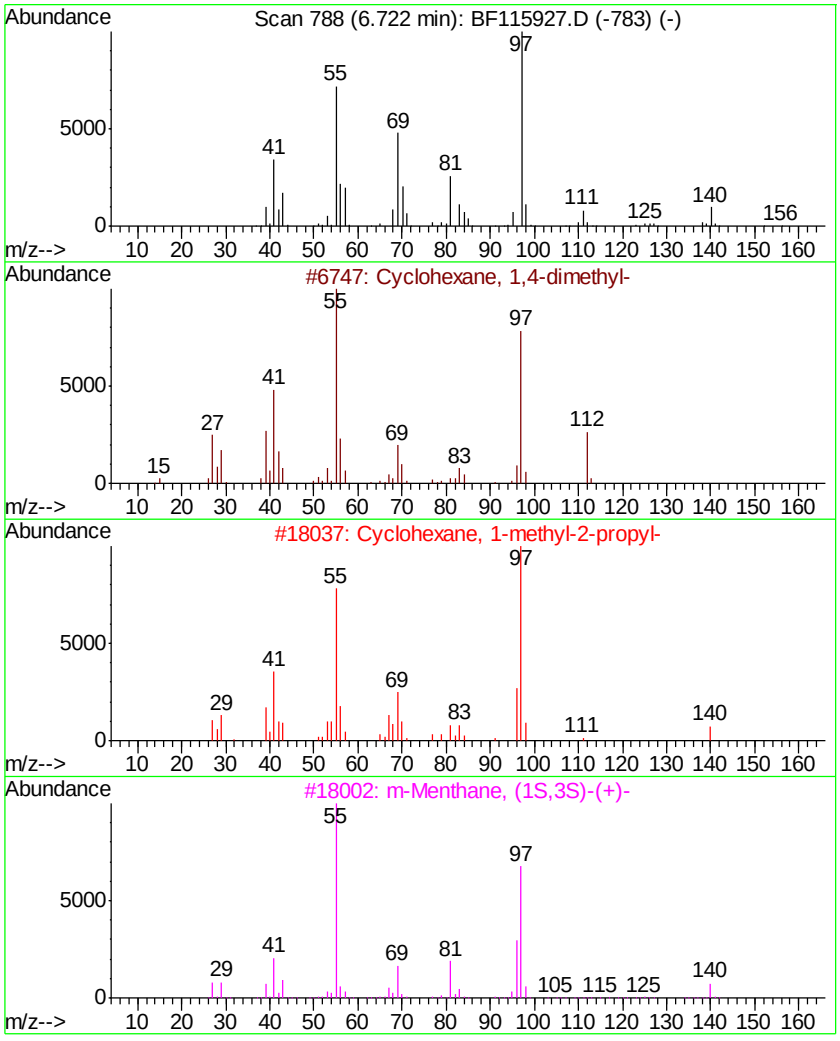
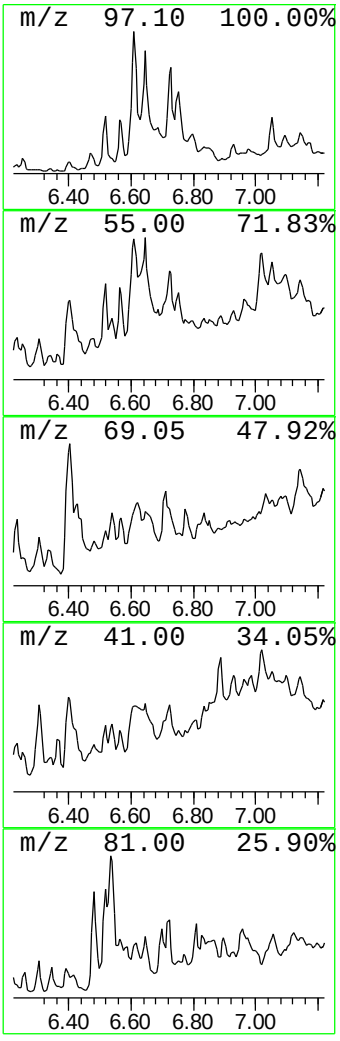
Peak Number 18 Cyclohexane, 1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	25.38 ng	2020460	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	64
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	64
3	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	53
4	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	50
5	5-Decene, (E)-	140	C10H20	007433-56-9	38





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TIC Library : C:\DATABASE\NIST11.L
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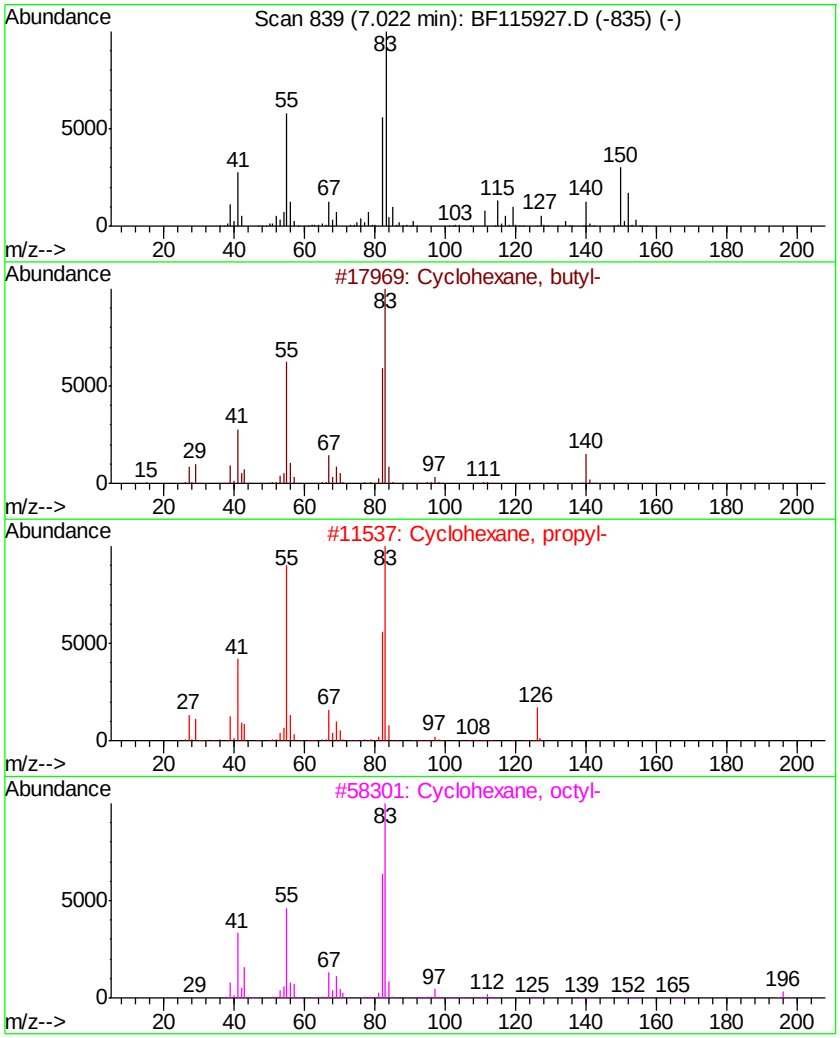
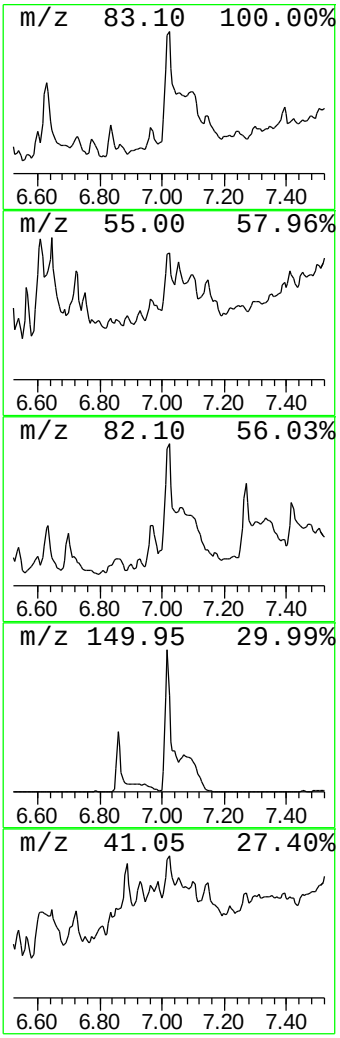
Peak Number 19 unknown7.02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	39.13 ng	3115830	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	49
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	32
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	32
4	Oxalic acid, cyclohexyl dodecyl ...	340	C20H36O4	1000309-31-4	27
5	1-Propanone, 1-cyclohexyl-	140	C9H16O	001123-86-0	27





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115927.D
Acq On : 2 Aug 2019 00:35
Operator : HP/JU
Sample : K4024-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

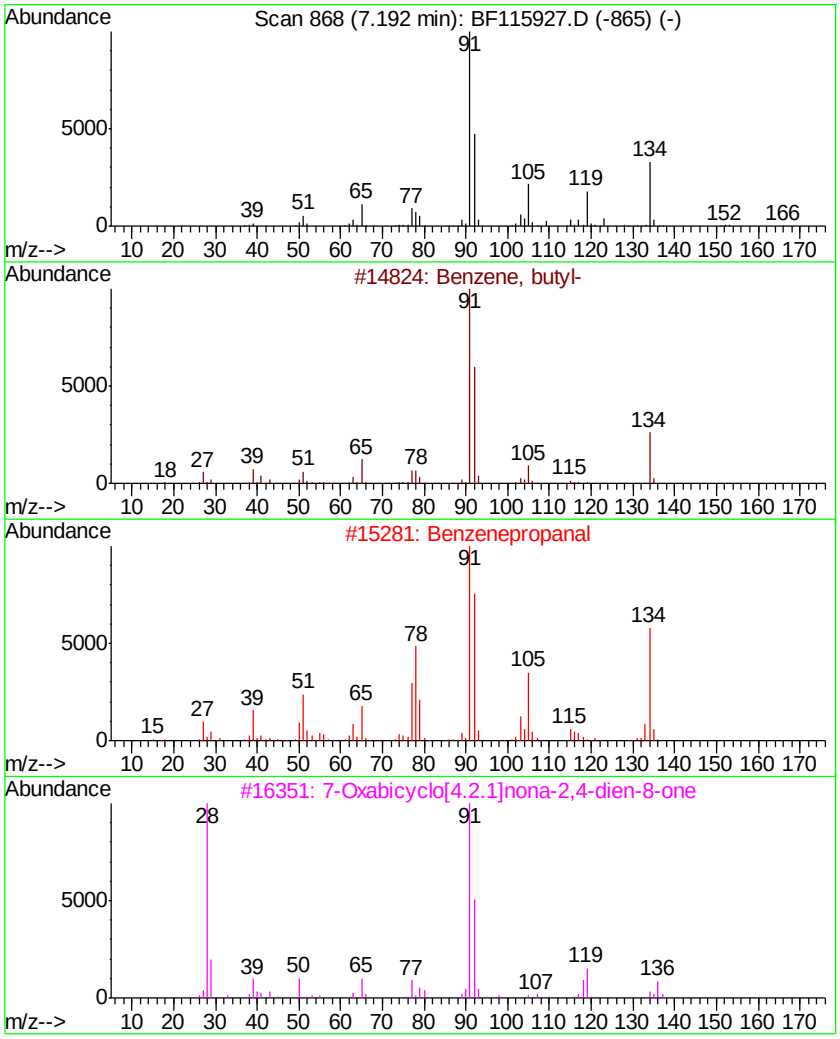
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

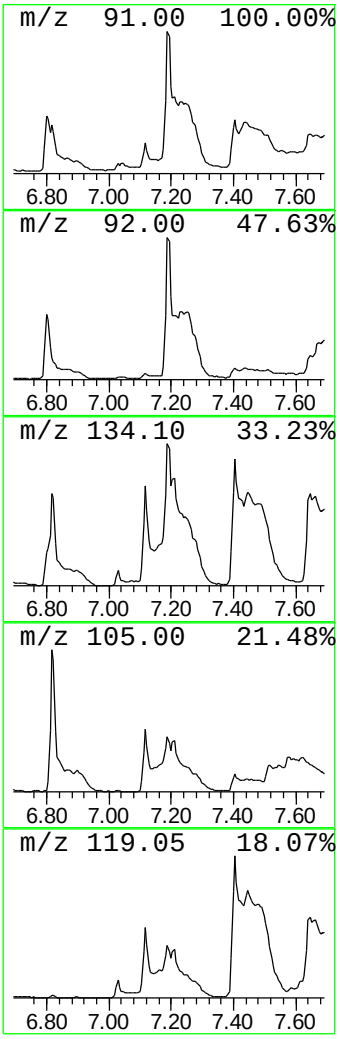
****

Peak Number 20 Benzene, butyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	13.27 ng	1056400	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, butyl-	134	C10H14	000104-51-8	58
2	Benzenepropanal	134	C9H10O	000104-53-0	52
3	7-Oxabicyclo[4.2.1]nona-2,4-dien...	136	C8H8O2	028000-13-7	50
4	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	49
5	Phenylethyl Alcohol	122	C8H10O	000060-12-8	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080119\
Data File : BF115927.D
Acq On : 2 Aug 2019 00:35
Operator : HP/JU
Sample : K4024-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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, 2,6-dime...	4.92	12.1	ng	961984	1	6.86	1592360	20.0
Cyclohexane, ethyl-	5.01	21.5	ng	1713420	1	6.86	1592360	20.0
Cyclohexane, 1,1,...	5.07	22.0	ng	1753310	1	6.86	1592360	20.0
Cyclohexane, 1,2,...	5.27	22.4	ng	1786900	1	6.86	1592360	20.0
Cyclopentane, 1-m...	5.63	27.3	ng	2171840	1	6.86	1592360	20.0
Cyclohexane, 1-et...	5.67	19.4	ng	1543340	1	6.86	1592360	20.0
cis-1-Ethyl-3-met...	5.72	18.1	ng	1440880	1	6.86	1592360	20.0
1-Ethyl-4-methylc...	5.89	44.7	ng	3556350	1	6.86	1592360	20.0
Carbonic acid, is...	5.93	21.9	ng	1747000	1	6.86	1592360	20.0
7-Methylbicyclo[4...	6.02	55.9	ng	4451780	1	6.86	1592360	20.0
Dodecane, 2,6,11-...	6.07	15.5	ng	1231150	1	6.86	1592360	20.0
Octane, 2,6-dimet...	6.12	97.3	ng	7742920	1	6.86	1592360	20.0
Heptane, 3-ethyl-...	6.17	19.2	ng	1529690	1	6.86	1592360	20.0
unknown6.30	6.30	50.9	ng	4050820	1	6.86	1592360	20.0
2-Octene, 2,6-dim...	6.40	78.0	ng	6207590	1	6.86	1592360	20.0
unknown6.54	6.54	20.1	ng	1602310	1	6.86	1592360	20.0
Ethanone, 1-(1-me...	6.56	12.5	ng	991697	1	6.86	1592360	20.0
Cyclohexane, 1,4-...	6.72	25.4	ng	2020460	1	6.86	1592360	20.0
unknown7.02	7.02	39.1	ng	3115830	1	6.86	1592360	20.0
Benzene, butyl-	7.19	13.3	ng	1056400	1	6.86	1592360	20.0