LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107962.D
Acq On : 4 Aug 2018 2:46
Operator : JU/SJ
Sample : J4297-08 2X
Misc :
ALS Vial : 27 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-BF073018.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	4.278	324	330	334	rBV2	53250	75650	1.37%	0.085%
2	4.607	381	386	393	rBV	115704	140829	2.56%	0.157%
3	4.996	448	452	459	rVB	297623	313539	5.69%	0.350%
4	5.072	459	465	468	rBV	260051	366673	6.65%	0.410%
5	5.107	468	471	475	rVV	180668	213204	3.87%	0.238%
6	5.154	475	479	485	rVV2	704804	970043	17.61%	1.084%
7	5.213	485	489	494	rVV3	156968	270608	4.91%	0.302%
8	5.284	498	501	507	rVB2	101813	119505	2.17%	0.134%
9	5.354	507	513	516	rBV2	508465	781606	14.19%	0.873%
10	5.384	516	518	522	rVB	128928	133682	2.43%	0.149%
11	5.501	536	538	542	rBV2	99729	118396	2.15%	0.132%
12	5.596	549	554	557	rBV2	216722	338926	6.15%	0.379%
13	5.631	557	560	564	rVB	383387	406619	7.38%	0.454%
14	5.707	570	573	575	rBV	625719	771100	13.99%	0.862%
15	5.754	578	581	584	rVB	852289	728184	13.22%	0.814%
16	5.796	584	588	591	rBV2	548765	596519	10.83%	0.666%
17	5.860	596	599	604	rBV	407963	393122	7.13%	0.439%
18	5.966	609	617	620	rBV3	1142524	2019987	36.66%	2.257%
19	6.001	620	623	627	rBV3	646214	987738	17.93%	1.104%
20	6.060	630	633	634	rBV2	134714	134812	2.45%	0.151%
21	6.084	634	637	638	rBV	502321	445615	8.09%	0.498%
22	6.101	638	640	643	rVB	1154772	974597	17.69%	1.089%
23	6.137	643	646	649	rBV3	775225	917354	16.65%	1.025%
24	6.184	649	654	661	rBV2	3053437	5509952	100.00%	6.156%
25	6.243	661	664	666	rVB	1772364	1676514	30.43%	1.873%
26	6.278	666	670	672	rBV3	559557	711493	12.91%	0.795%
27	6.307	672	675	677	rVB	602456	569364	10.33%	0.636%
28	6.331	677	679	682	rVB2	440406	445626	8.09%	0.498%
29	6.378	682	687	691	rBV3	1695428	2645747	48.02%	2.956%
30	6.419	691	694	699	rVB5	487343	821279	14.91%	0.918%
31	6.478	699	704	712	rBV2	3033274	5076233	92.13%	5.672%
32	6.560	714	718	721	rBV3	573360	834875	15.15%	0.933%
33	6.590	721	723	725	rBV	1101518	1062488	19.28%	1.187%
34	6.613	725	727	730	rVB2	1353716	1175459	21.33%	1.313%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J4297-08 2X
Misc :
ALS Vial : 27 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-BF073018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.643	730	732	734	rBV	835697	624842	11.34%	0.698%
36	6.684	734	739	743	rBV4	1721673	3147131	57.12%	3.516%
37	6.725	743	746	751	rVB3	1870290	2727130	49.49%	3.047%
38	6.778	751	755	757	rBV	1030231	1274926	23.14%	1.424%
39	6.801	757	759	761	rVB2	1219593	1021107	18.53%	1.141%
40	6.825	761	763	765	rBV	523701	554579	10.07%	0.620%
41	6.854	765	768	773	rBV4	732896	1152012	20.91%	1.287%
42	6.901	773	776	778	rBV4	1220806	1512378	27.45%	1.690%
43	6.995	787	792	795	rBV3	840413	1335868	24.24%	1.493%
44	7.054	795	802	804	rBV3	1371104	2543532	46.16%	2.842%
45	7.084	804	807	812	rBV5	2192995	2957116	53.67%	3.304%
46	7.166	819	821	824	rBV2	1184037	1127986	20.47%	1.260%
47	7.213	824	829	833	rVB3	2247631	3369884	61.16%	3.765%
48	7.284	837	841	844	rBV4	867690	1170630	21.25%	1.308%
49	7.313	844	846	847	rBV2	283832	226139	4.10%	0.253%
50	7.342	848	851	853	rVV2	1692619	1820409	33.04%	2.034%
51	7.366	853	855	860	rVB3	1375776	1782937	32.36%	1.992%
52	7.419	860	864	867	rBV2	718522	1054393	19.14%	1.178%
53	7.478	868	874	878	rBV3	2256429	4457351	80.90%	4.980%
54	7.519	878	881	884	rVV4	1737458	2143335	38.90%	2.395%
55	7.590	888	893	896	rBV3	2176148	3759586	68.23%	4.200%
56	7.637	896	901	905	rBV3	1427364	2364061	42.91%	2.641%
57	7.719	913	915	919	rBV2	791167	1158366	21.02%	1.294%
58	7.760	919	922	929	rVB4	1290138	1941813	35.24%	2.170%
59	7.878	939	942	947	rVB6	1662398	2566107	46.57%	2.867%
60	8.054	968	972	977	rBV6	1007371	1933194	35.09%	2.160%
61	8.107	977	981	984	rBV2	1247901	2000037	36.30%	2.235%
62	12.566	1736	1739	1742	rBV	1341053	1573304	28.55%	1.758%
63	12.754	1768	1771	1775	rVB2	970529	1077722	19.56%	1.204%
64	12.960	1804	1806	1811	rVB	824300	901505	16.36%	1.007%
65	13.001	1811	1813	1817	rVB	613397	626292	11.37%	0.700%
66	13.083	1824	1827	1830	rBV	908293	850523	15.44%	0.950%

Sum of corrected areas: 89503533

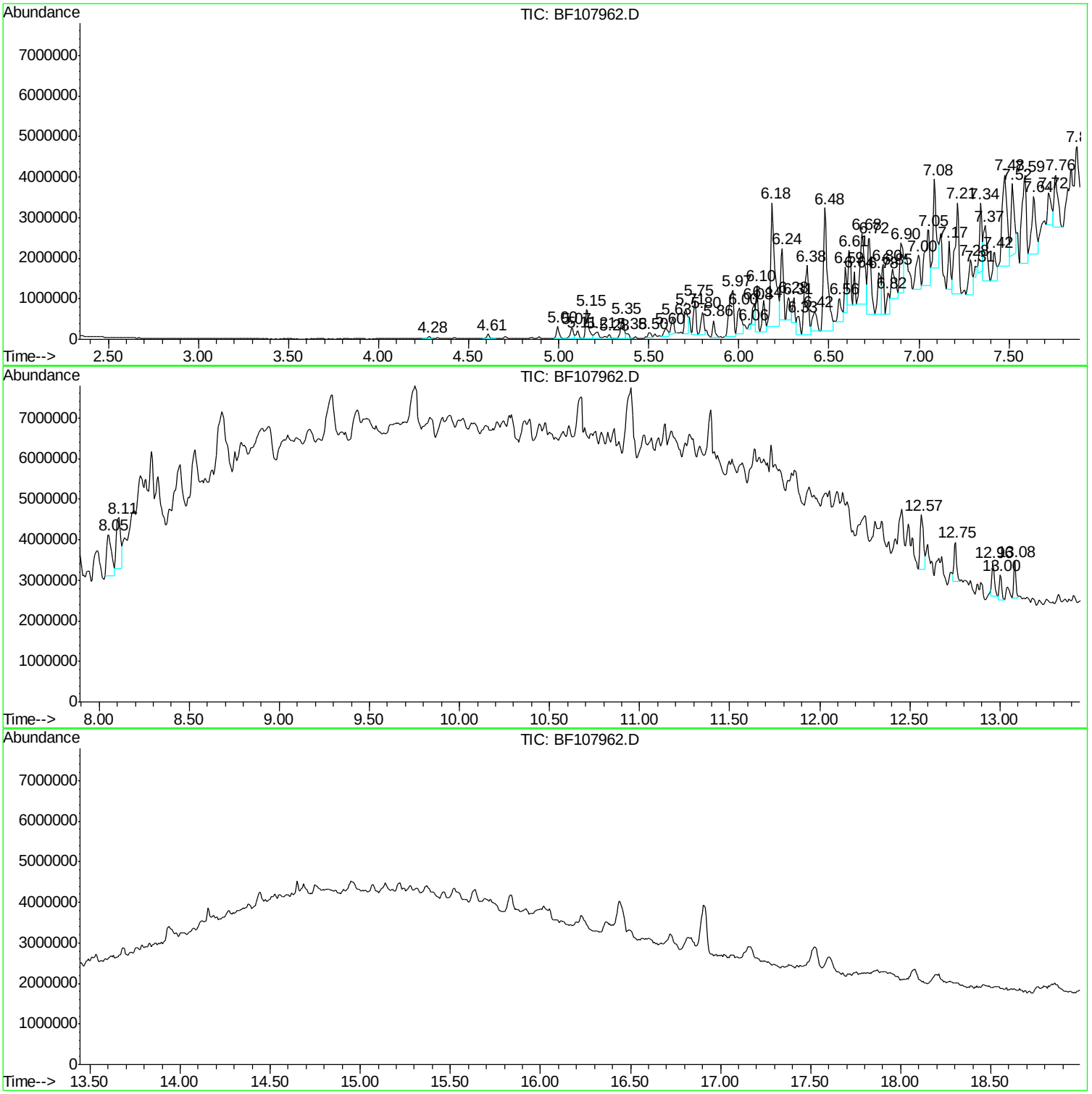
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107962.D
Acq On : 4 Aug 2018 2:46
Operator : JU/SJ
Sample : J4297-08 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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\BF080318\
Data File : BF107962.D
Acq On : 4 Aug 2018 2:46
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

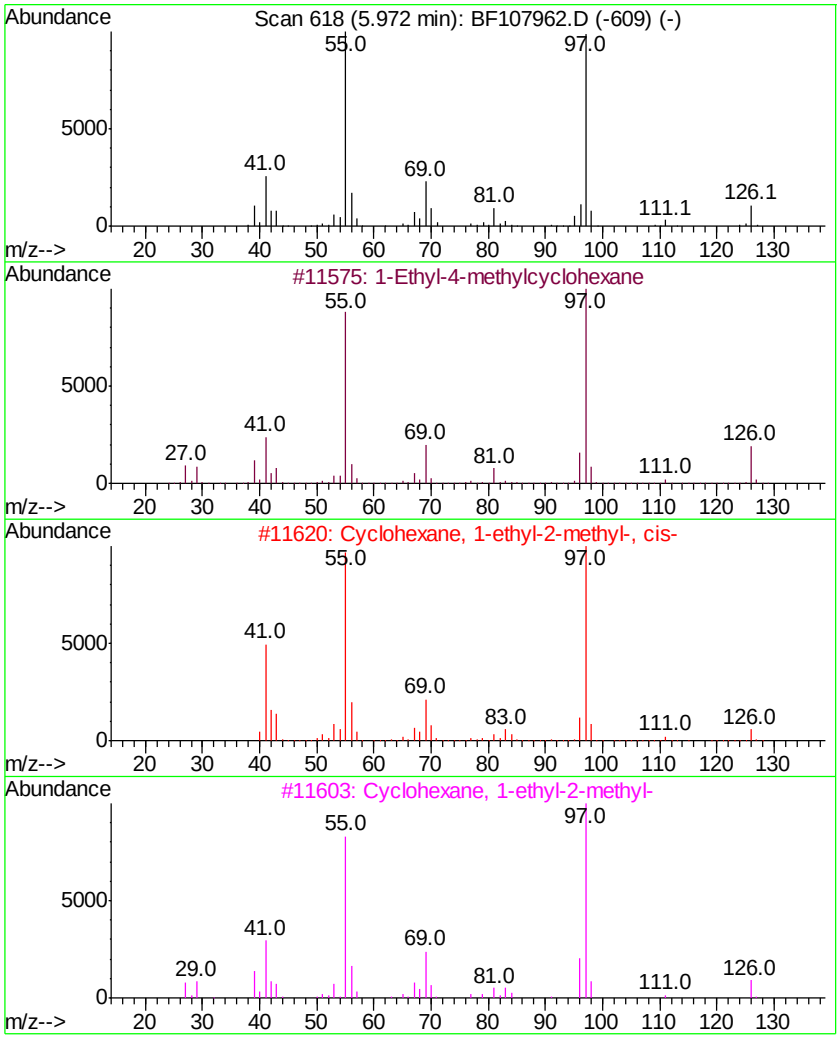
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

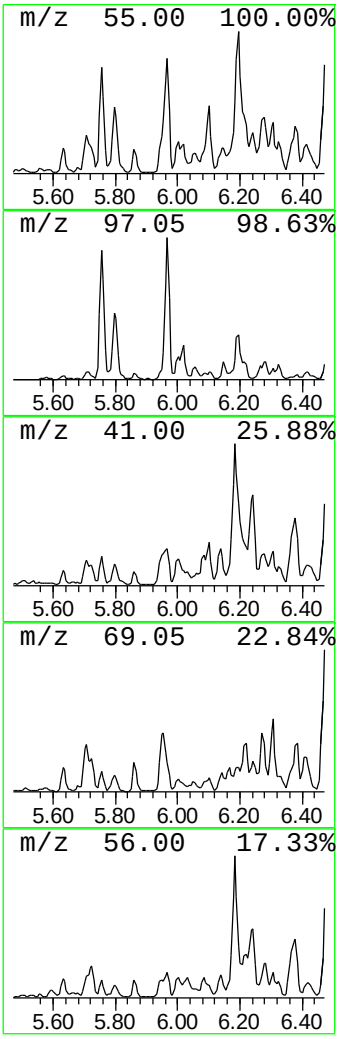
****

Peak Number 1 1-Ethyl-4-methylcyclohexane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	30.24 ng	2019990	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	90
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	87
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	80
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	80





Library Search Compound Report

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Data File : BF107962.D
Acq On : 4 Aug 2018 2:46
Operator : JU/SJ
Sample : J4297-08 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

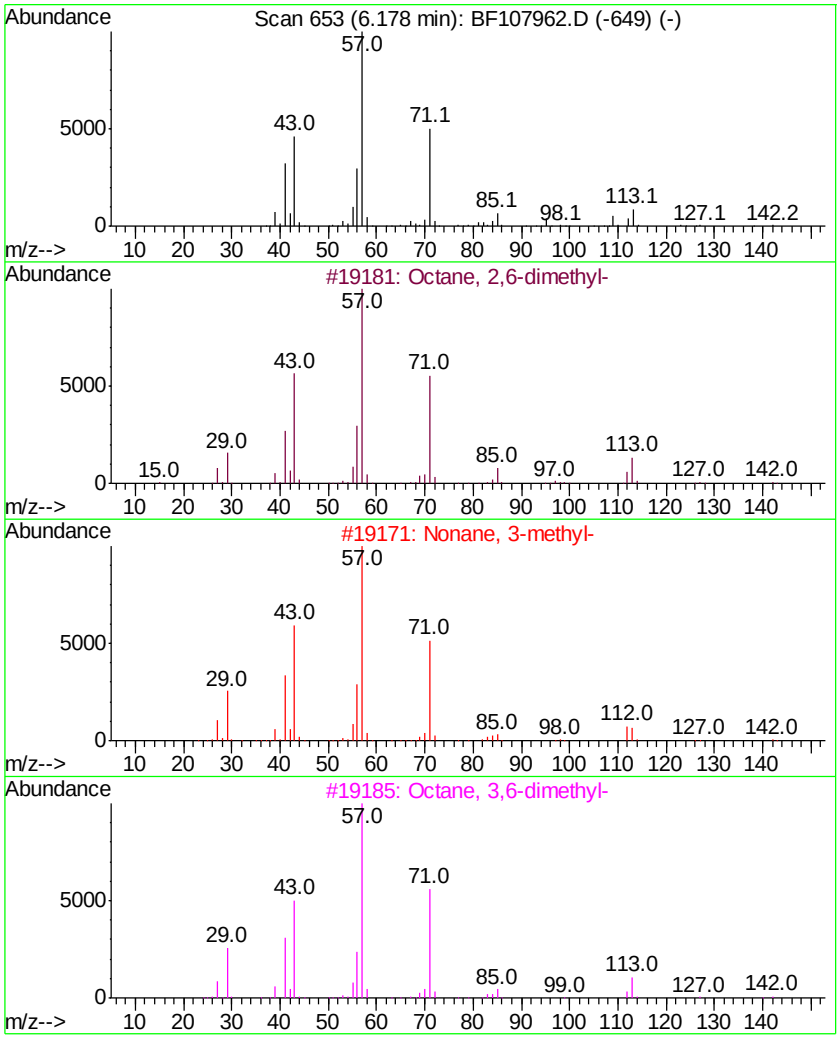
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

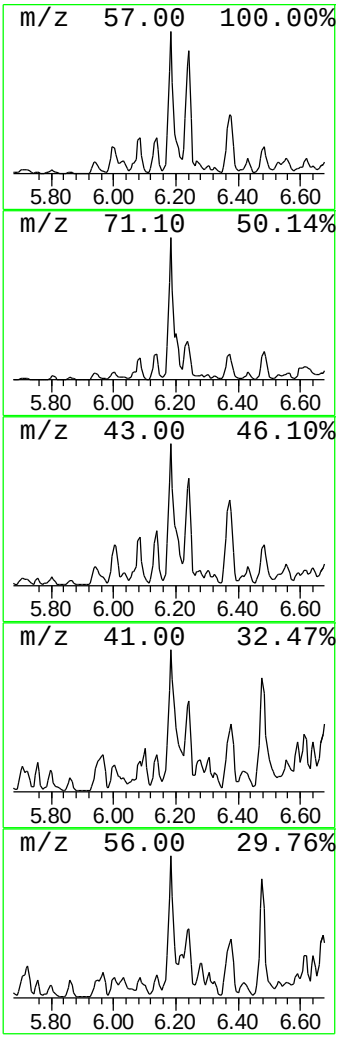
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.18	82.49 ng	5509950	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	80
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
4	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	64
5	3-Hexanone, 2,2-dimethyl-	128	C8H16O	005405-79-8	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107962.D
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Operator : JU/SJ
Sample : J4297-08 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

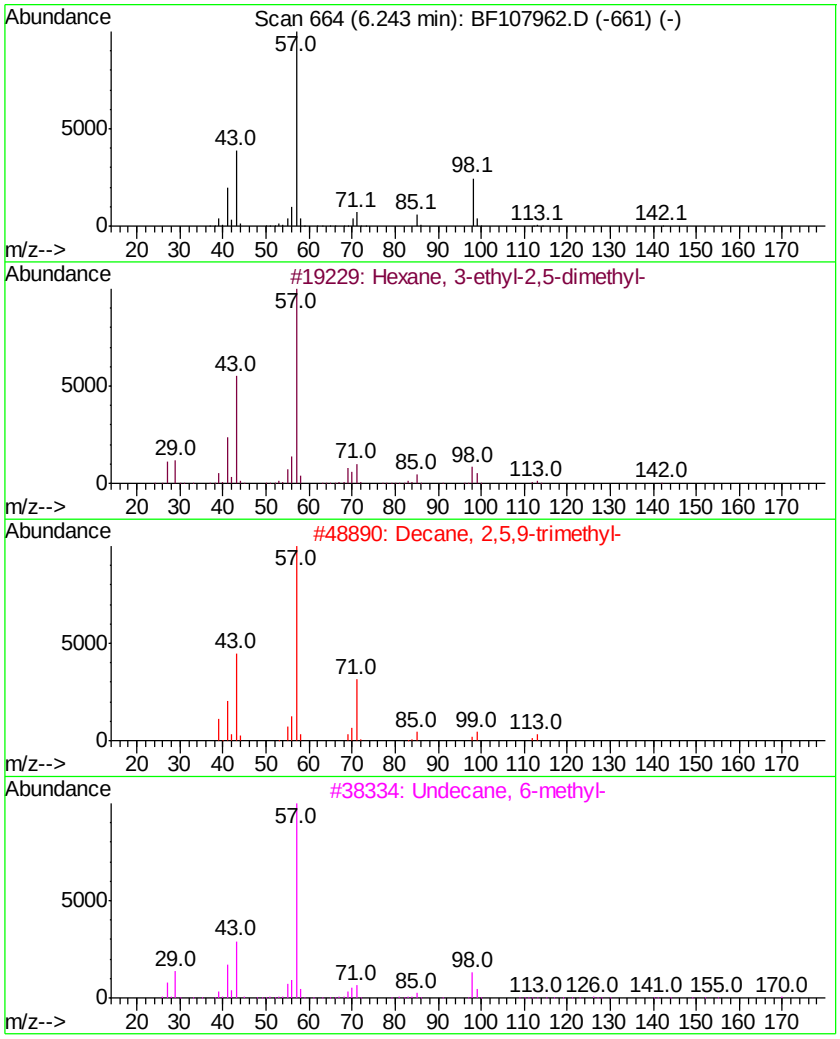
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

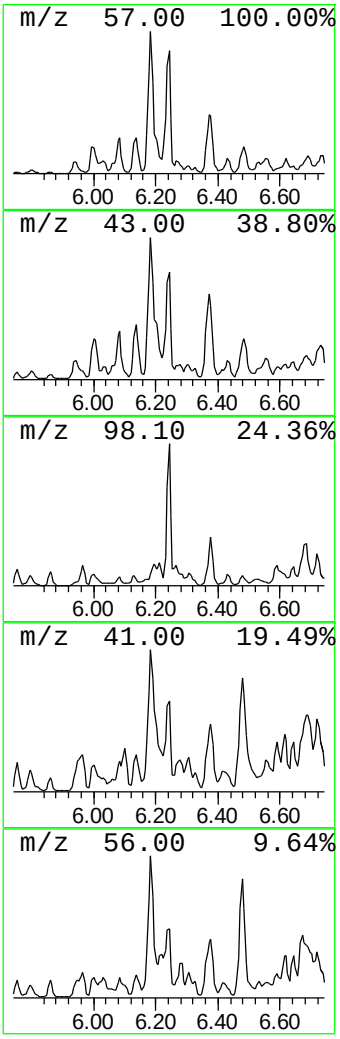
****

Peak Number 3 Hexane, 3-ethyl-2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	25.10 ng	1676510	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	50
2	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	42
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	39
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	38
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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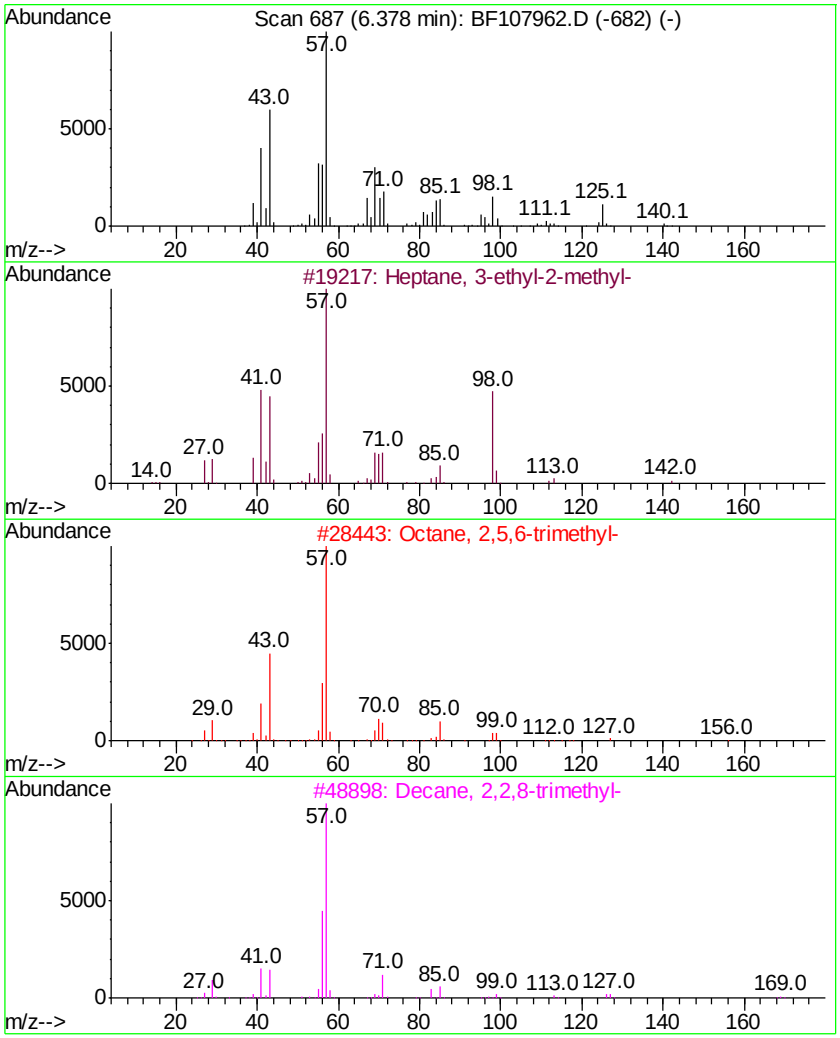
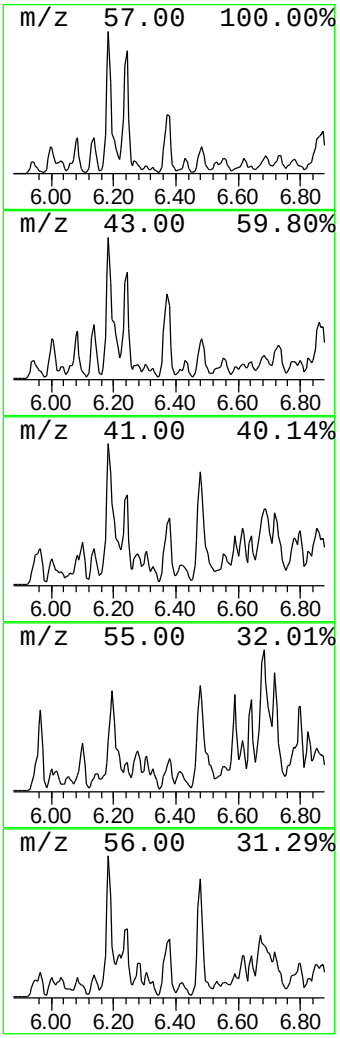
****

Peak Number 4 Heptane, 3-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	39.61 ng	2645750	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
2	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	53
3	Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	47
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43





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Acq On : 4 Aug 2018 2:46
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Misc :
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Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

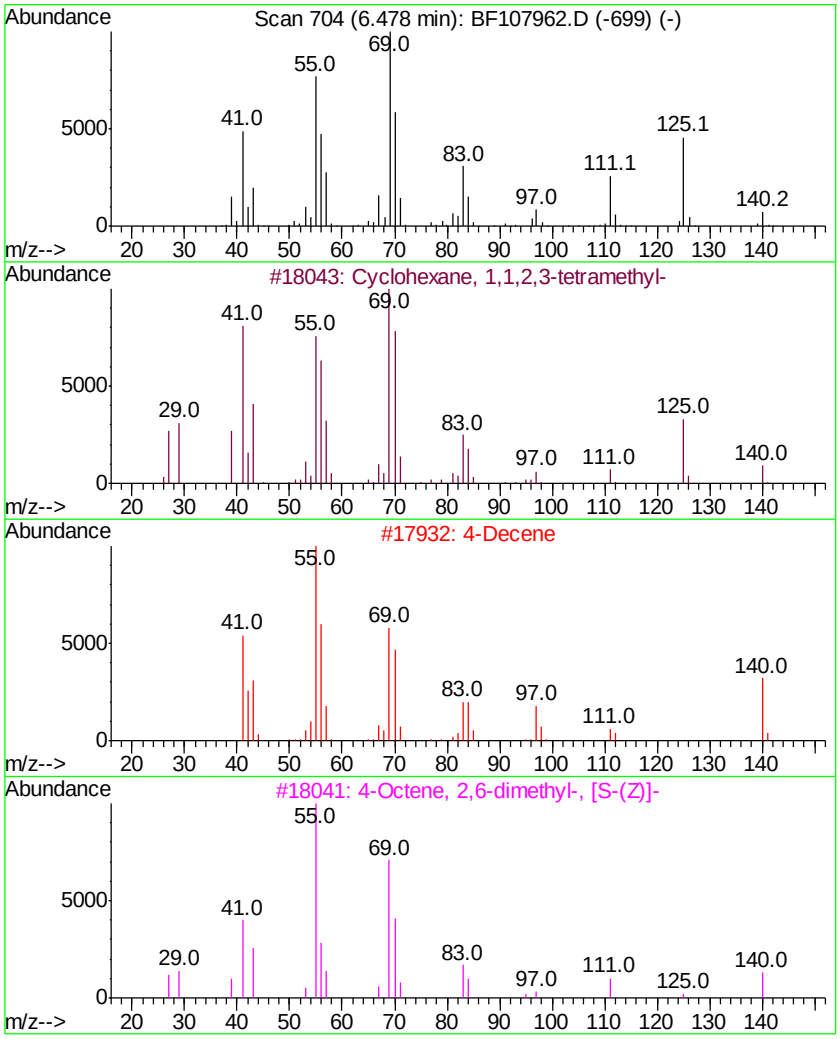
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

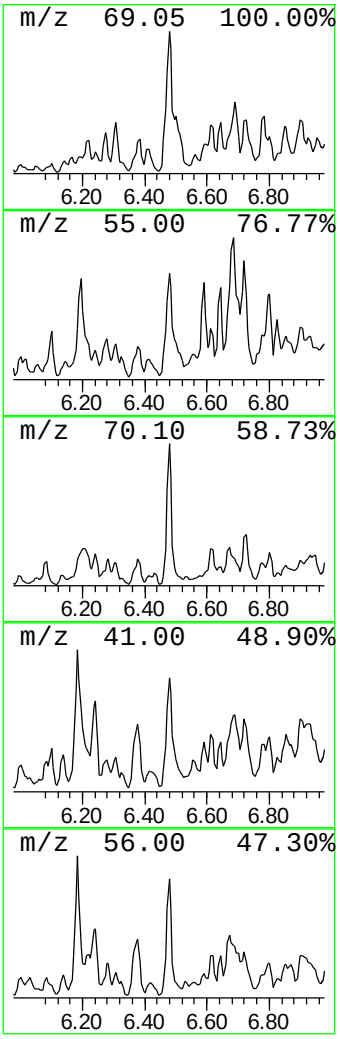
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	76.00 ng	5076230	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	93
2	4-Decene	140	C10H20	019689-18-0	64
3	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	53
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	53
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	50





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

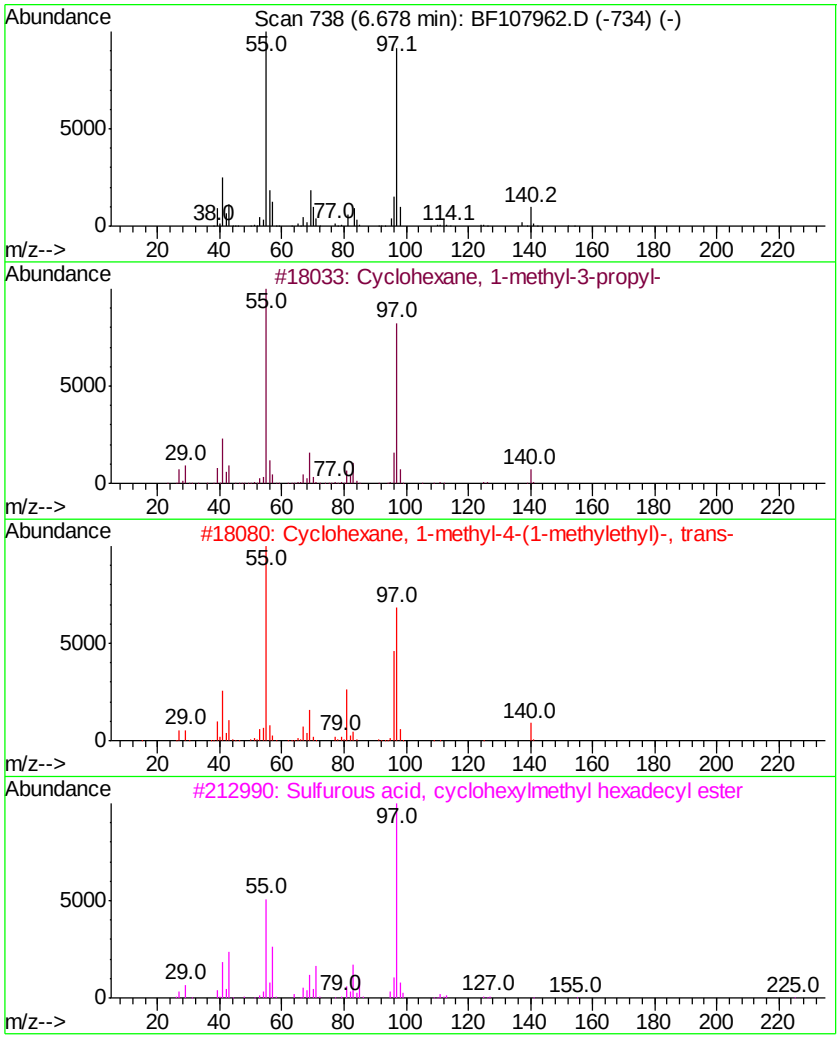
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

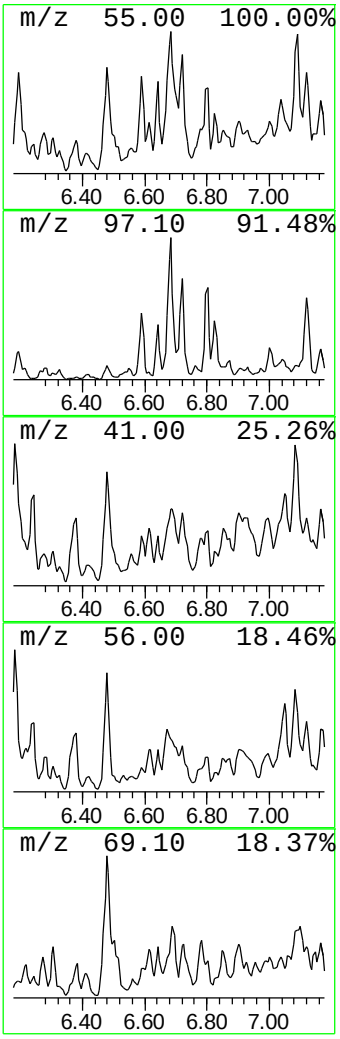
****

Peak Number 6 Cyclohexane, 1-methyl-3-pro... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	47.12 ng	3147130	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	87
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	72
3	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	72
4	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	64
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107962.D
Acq On : 4 Aug 2018 2:46
Operator : JU/SJ
Sample : J4297-08 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

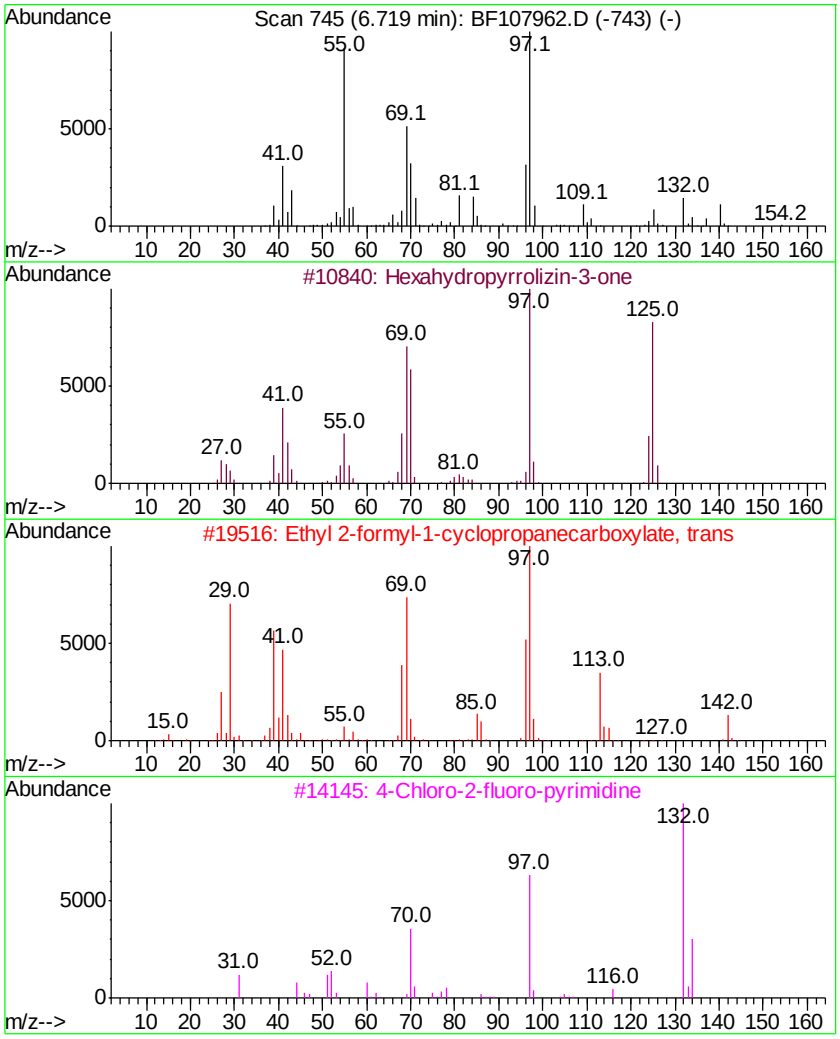
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

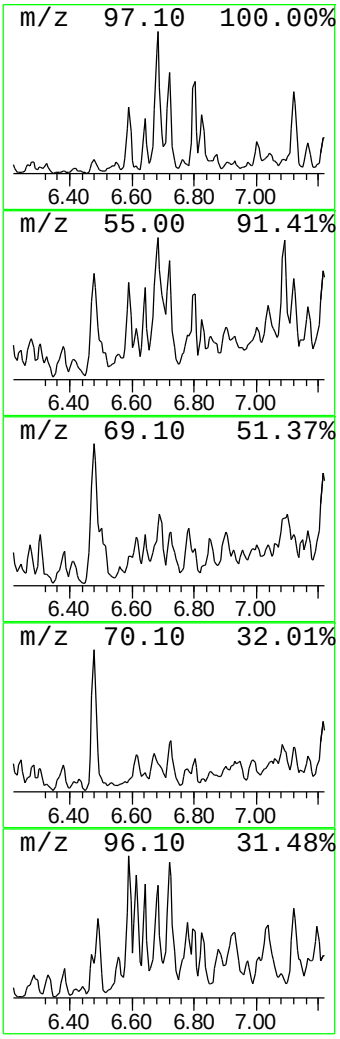
****

Peak Number 7 unknown6.72 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	40.83 ng	2727130	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexahydropyrrolizin-3-one	125	C7H11NO	126424-83-7	38
2	Ethyl 2-formyl-1-cyclopropanecar...	142	C7H10O3	013949-93-4	35
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	27
4	Cyclopentane, pentyl-	140	C10H20	003741-00-2	25
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	22





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Operator : JU/SJ
Sample : J4297-08 2X
Misc :
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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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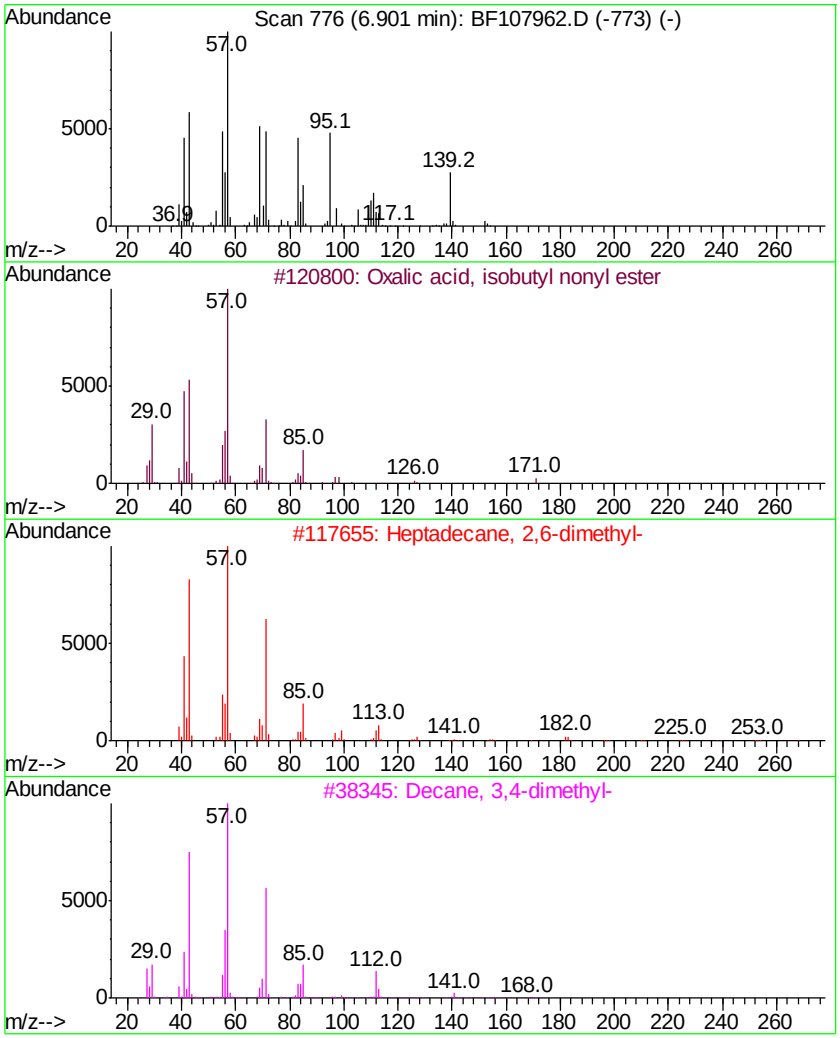
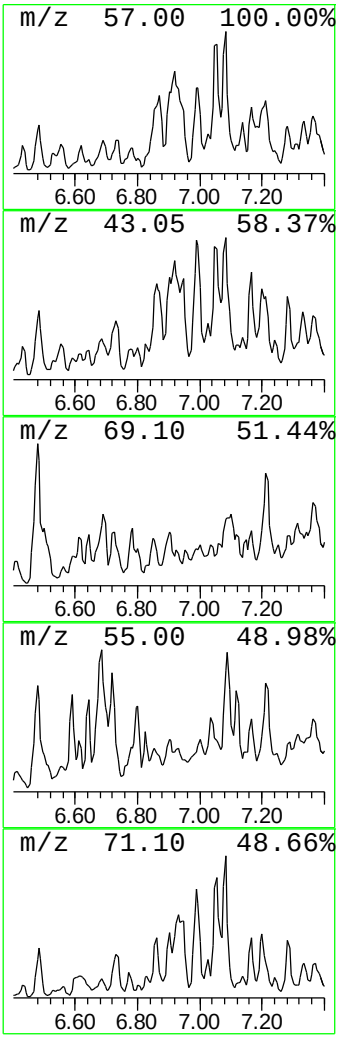
Peak Number 8 unknown6.90 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	22.64 ng	1512380	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	35
2	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	27
3	Decane, 3,4-dimethyl-	170	C12H26	017312-45-7	22
4	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	22
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	22





Library Search Compound Report

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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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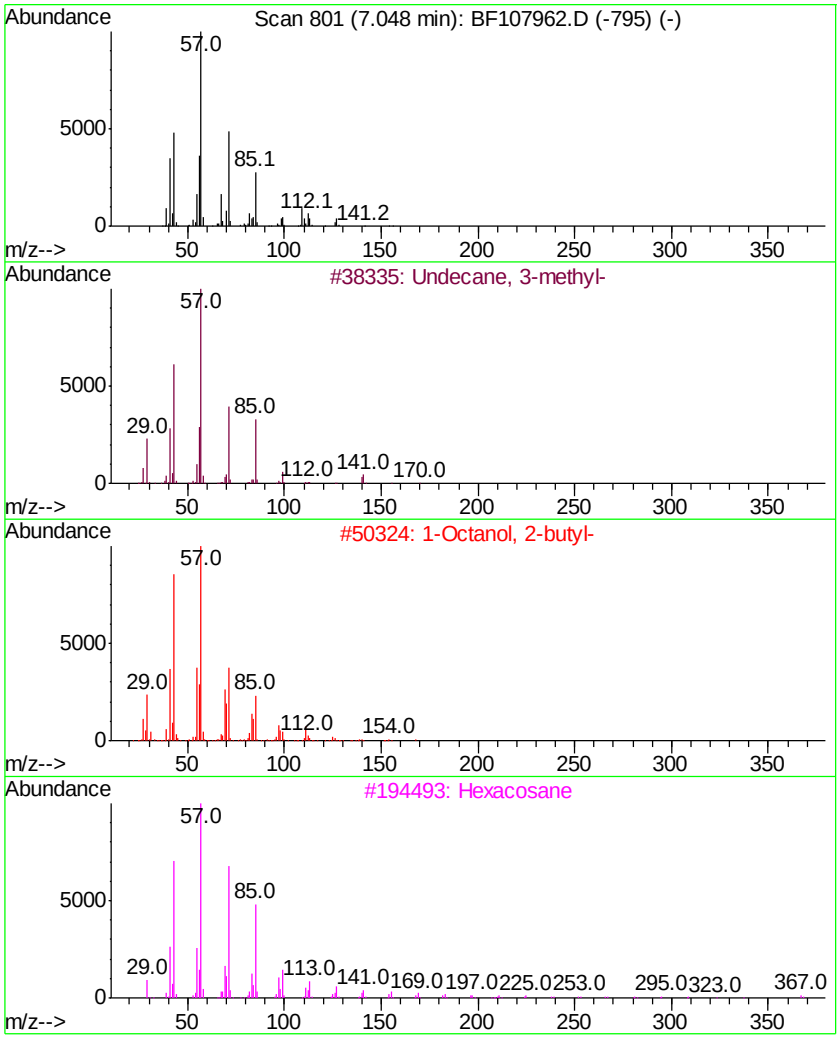
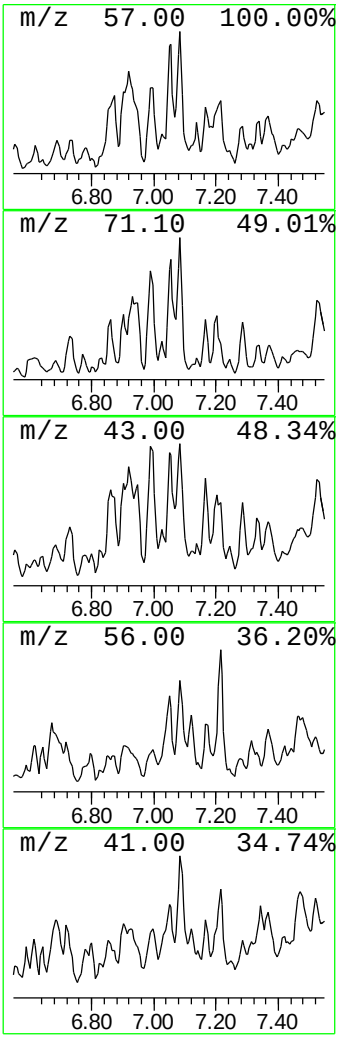
Peak Number 9 Undecane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	38.08 ng	2543530	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	64
2	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	64
3	Hexacosane	366	C26H54	000630-01-3	59
4	Decane, 3-methyl-	156	C11H24	013151-34-3	59
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	59





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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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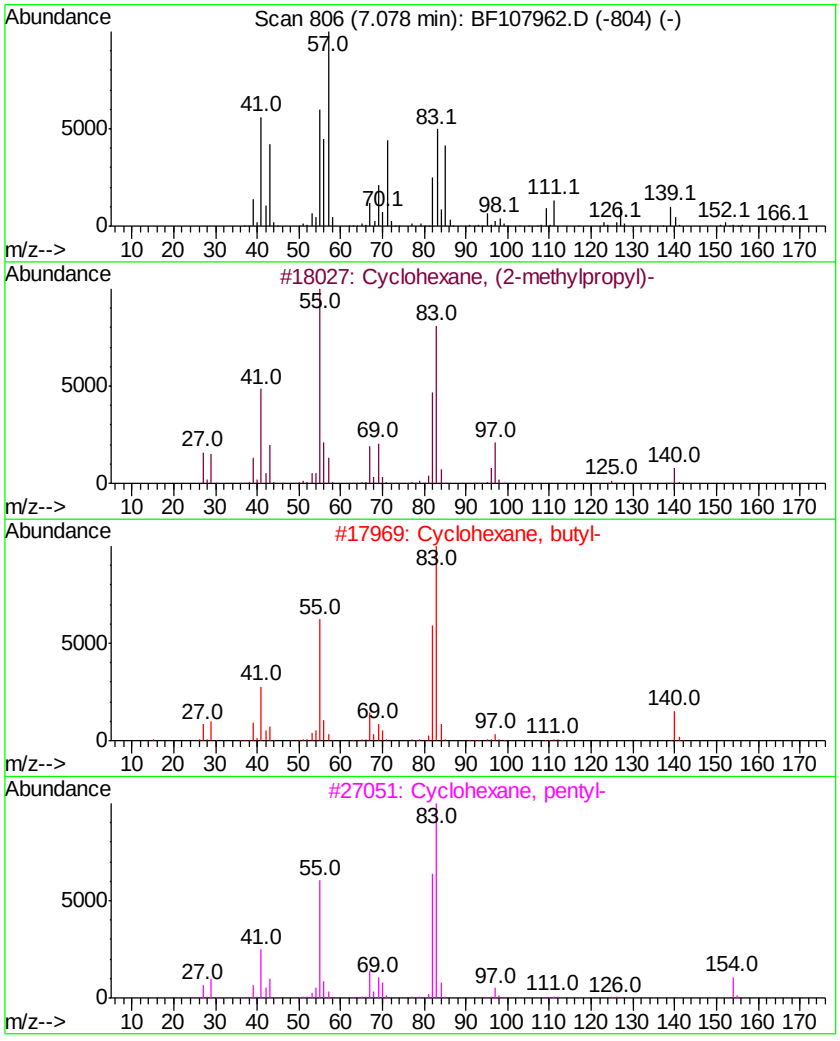
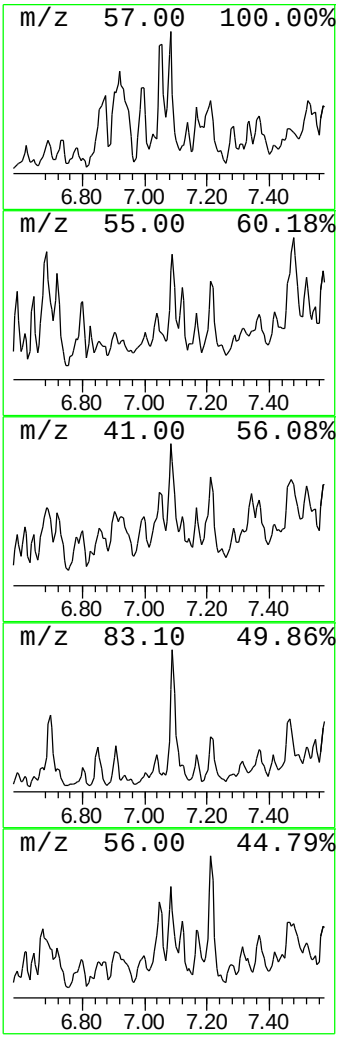
Peak Number 10 unknown7.08 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	44.27 ng	2957120	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	41
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
4	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	38
5	Formic acid, 4,4-dimethylpent-2-...	144	C8H16O2	1000368-69-9	35





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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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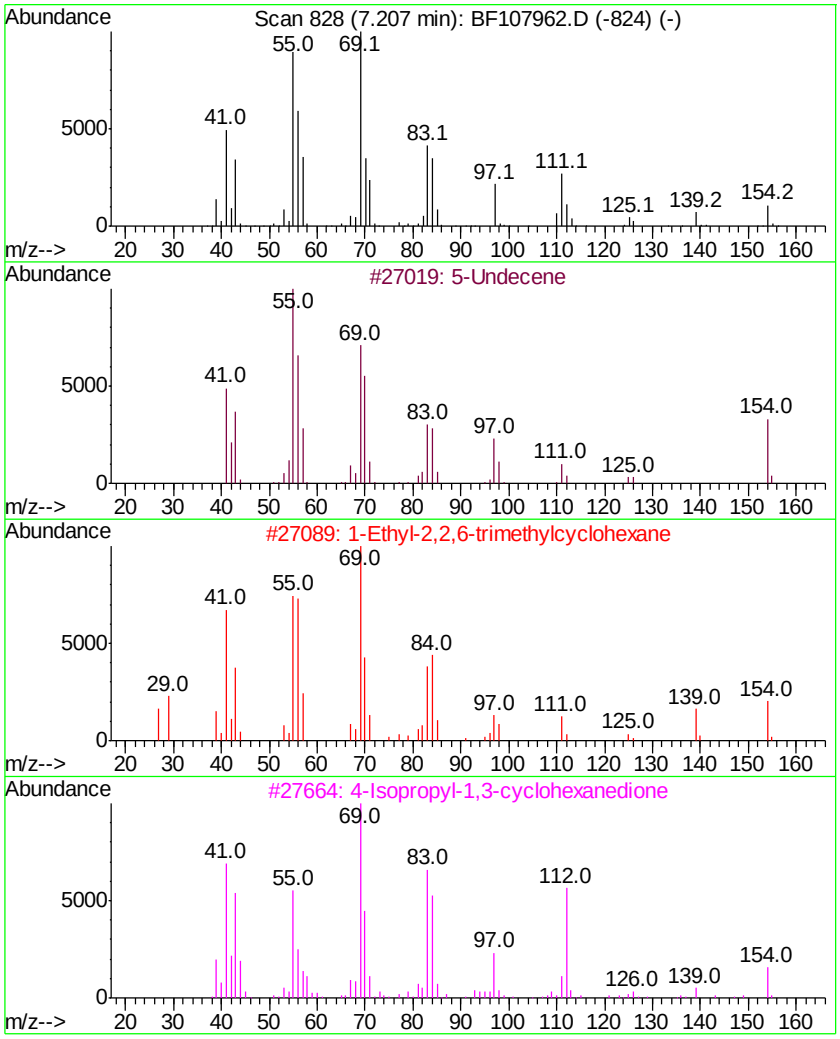
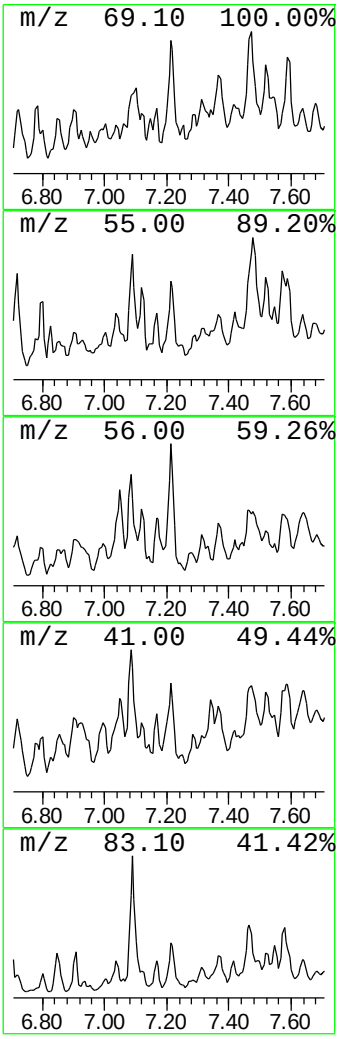
Peak Number 11 5-Undecene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	50.45 ng	3369880	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Undecene	154	C11H22	004941-53-1	87
2	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	64
3	4-Isopropyl-1,3-cyclohexanedione	154	C9H14O2	062831-62-3	58
4	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	55
5	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	52





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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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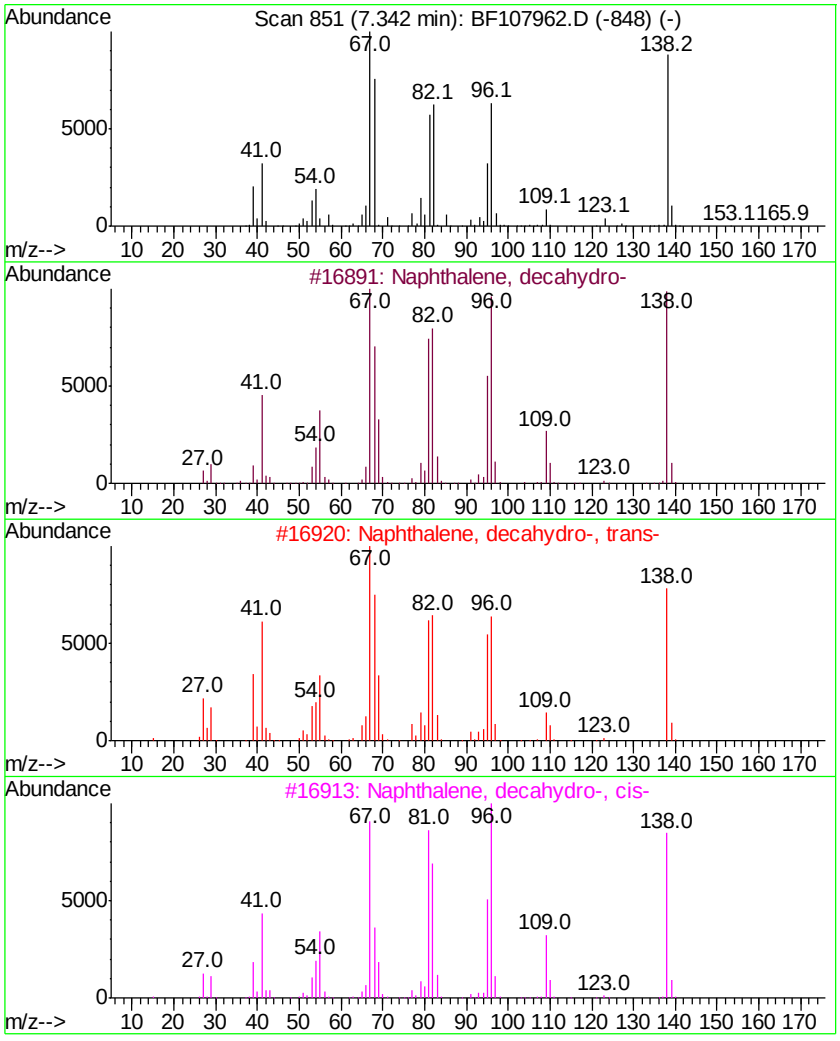
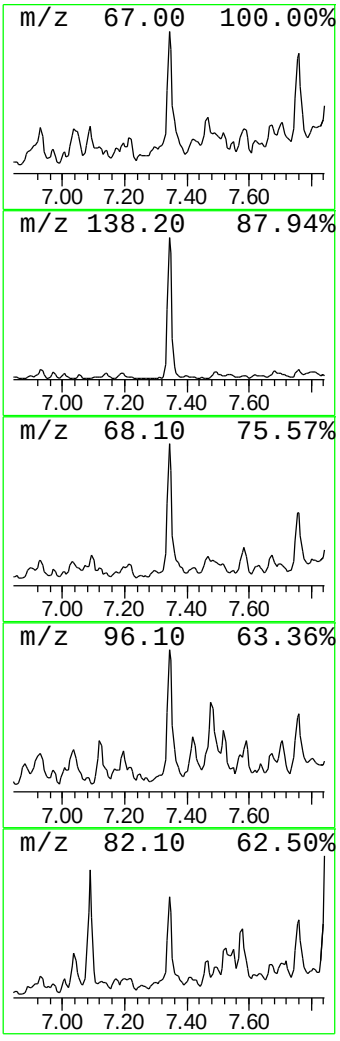
Peak Number 12 Naphthalene, decahydro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.34	27.25 ng	1820410	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	87
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	81
4	Spiro[4.5]decane	138	C10H18	000176-63-6	76
5	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	59





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Instrument : BNA_F
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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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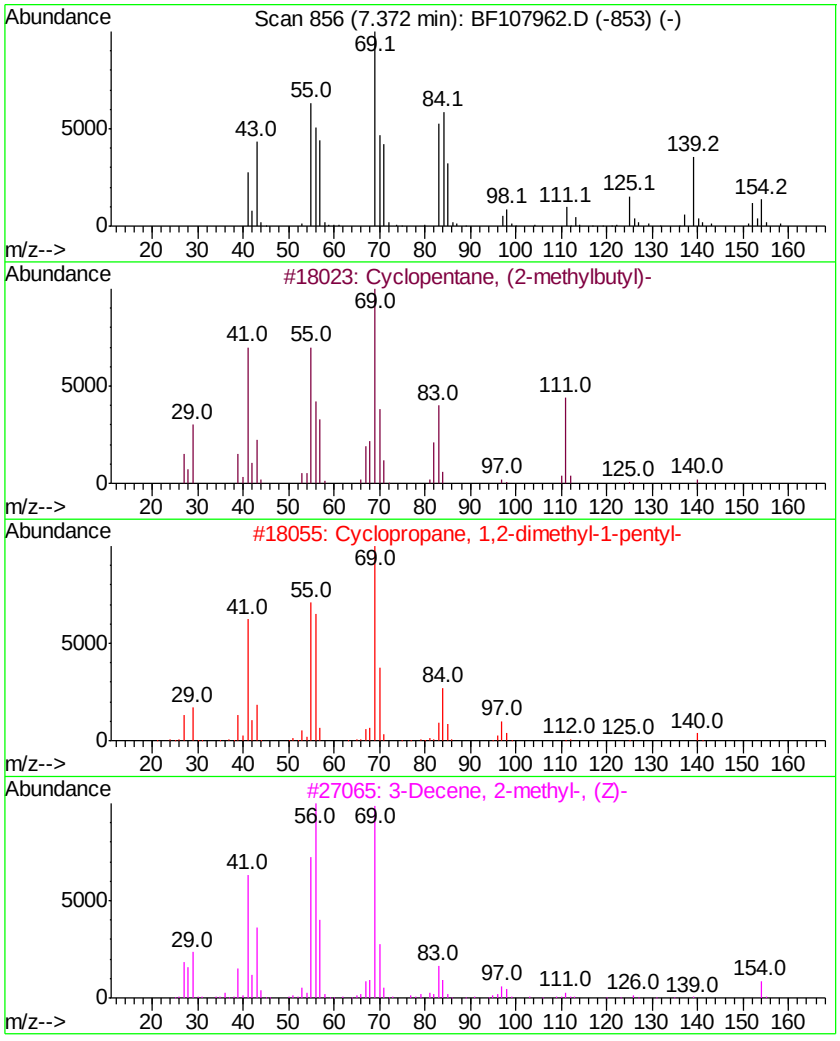
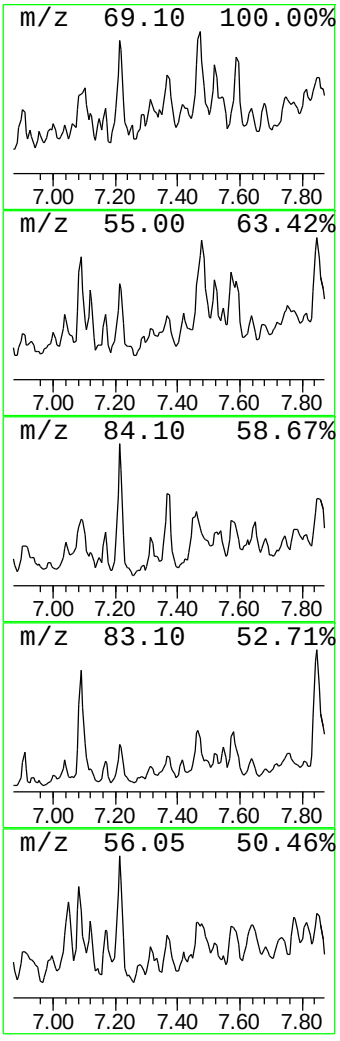
Peak Number 13 Cyclopentane, (2-methylbutyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	26.69 ng	1782940	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	50
2	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	49
3	3-Decene, 2-methyl-, (Z)-	154	C11H22	055499-05-3	46
4	4-Decene, 2-methyl-, (Z)-	154	C11H22	055499-07-5	43
5	5-Octadecene, (E)-	252	C18H36	007206-21-5	43





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Misc :
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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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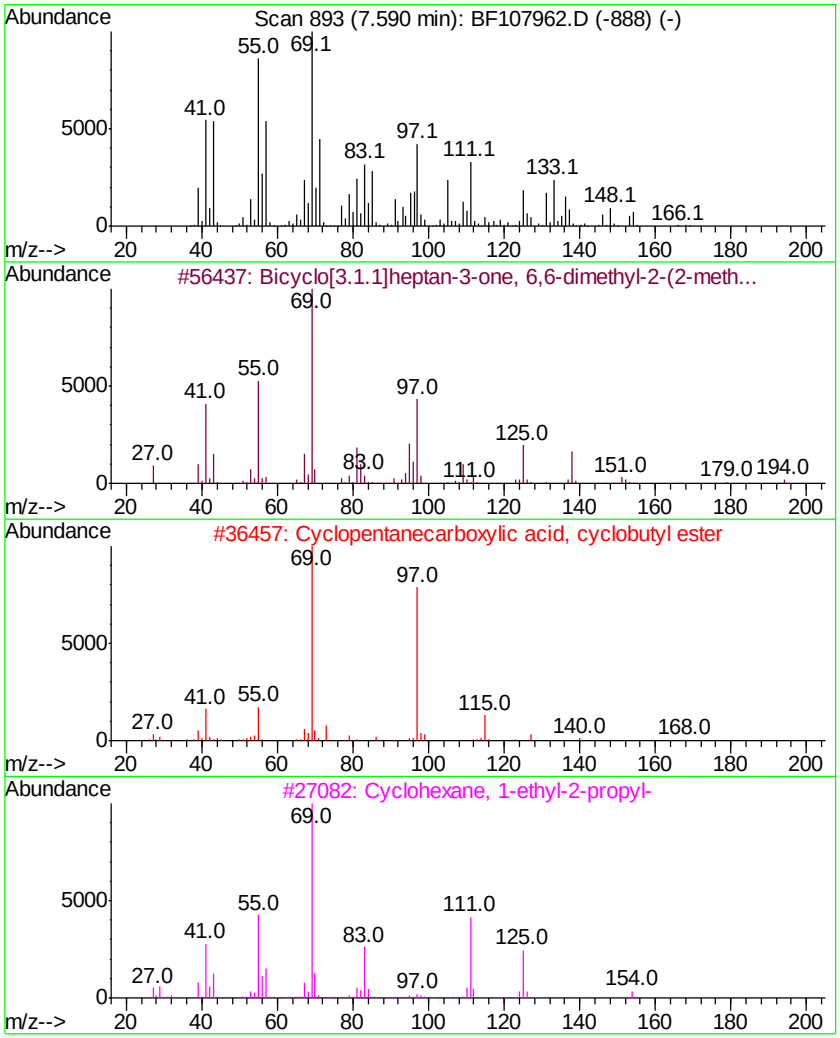
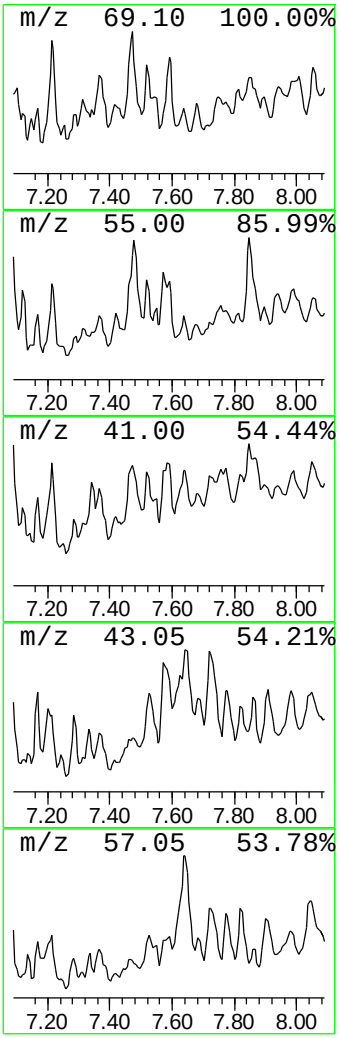
Peak Number 14 unknown7.59 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	56.29 ng	3759590	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 6,6-...	194	C13H22O	1000163-97-9	38
2	Cyclopentanecarboxylic acid, cyc...	168	C10H16O2	1000282-76-8	38
3	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	30
4	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	27
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	27





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

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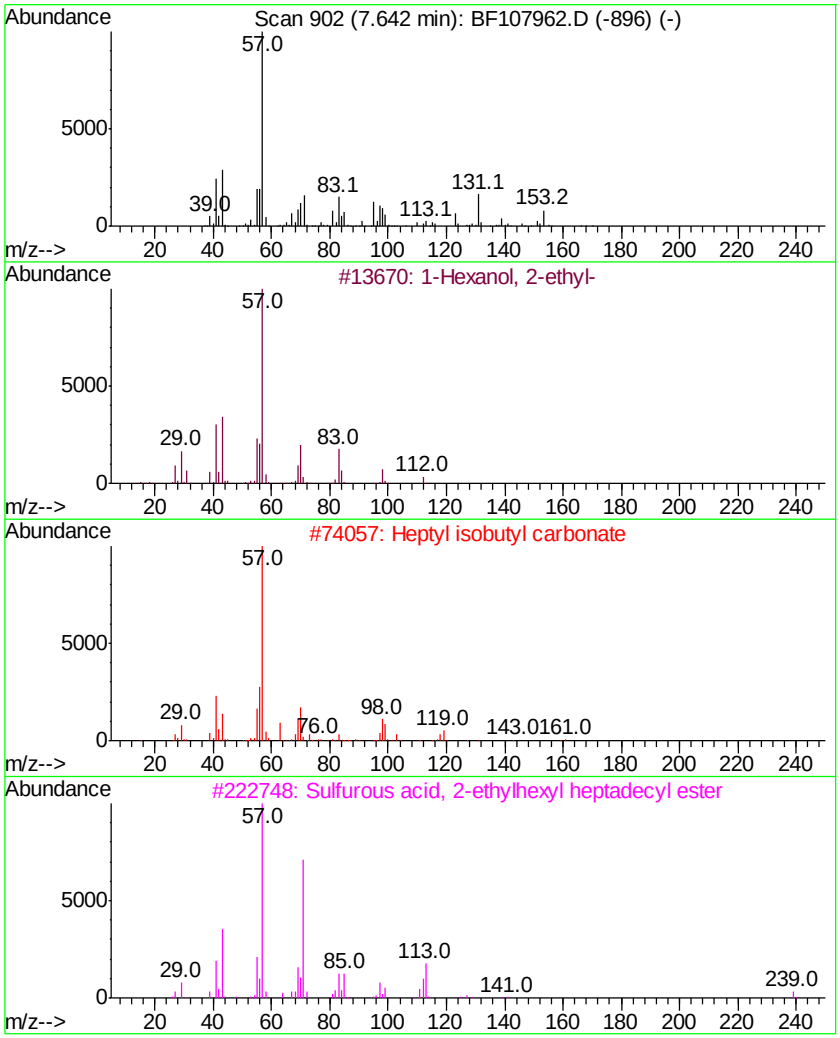
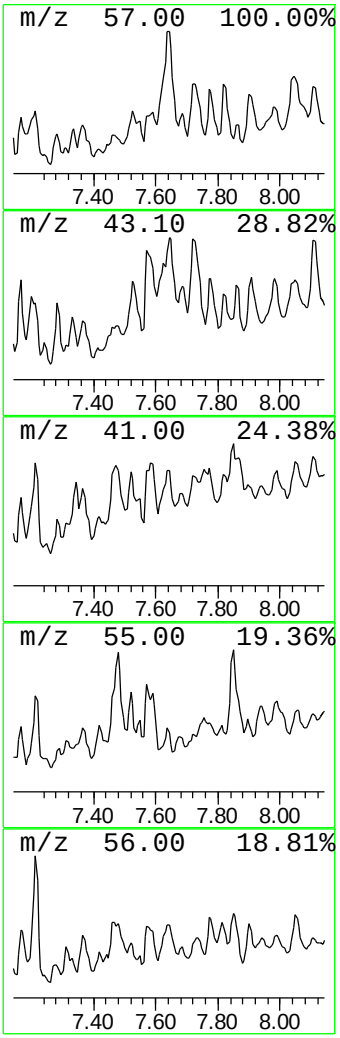
Peak Number 15 unknown7.64 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	23.64 ng	2364060	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	27
2	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	22
3	Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	16
4	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	16
5	Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	14





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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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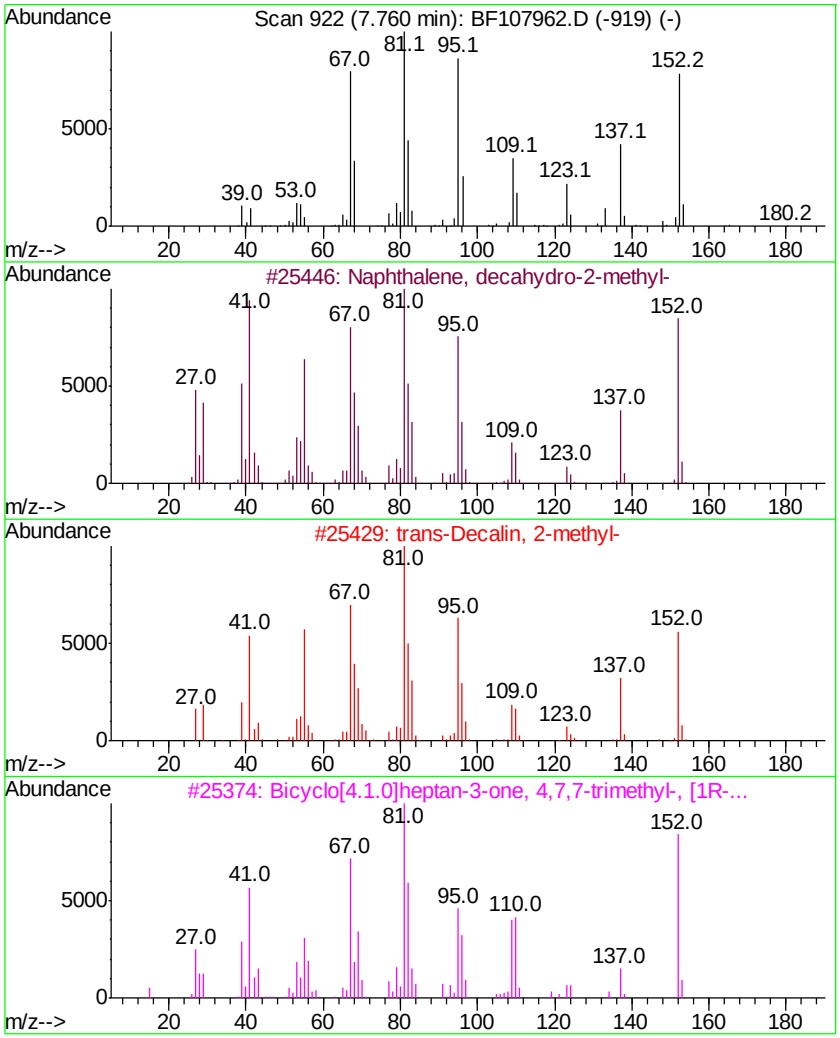
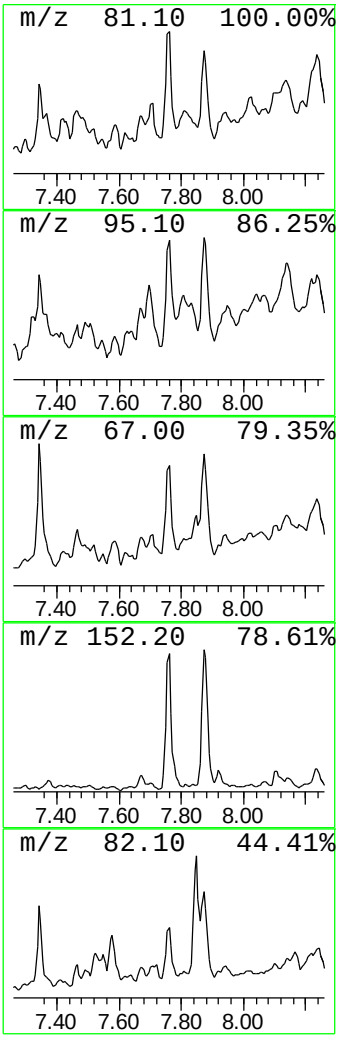
Peak Number 16 Naphthalene, decahydro-2-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	19.42 ng	1941810	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	87
3	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	76
4	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	70
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	58





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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
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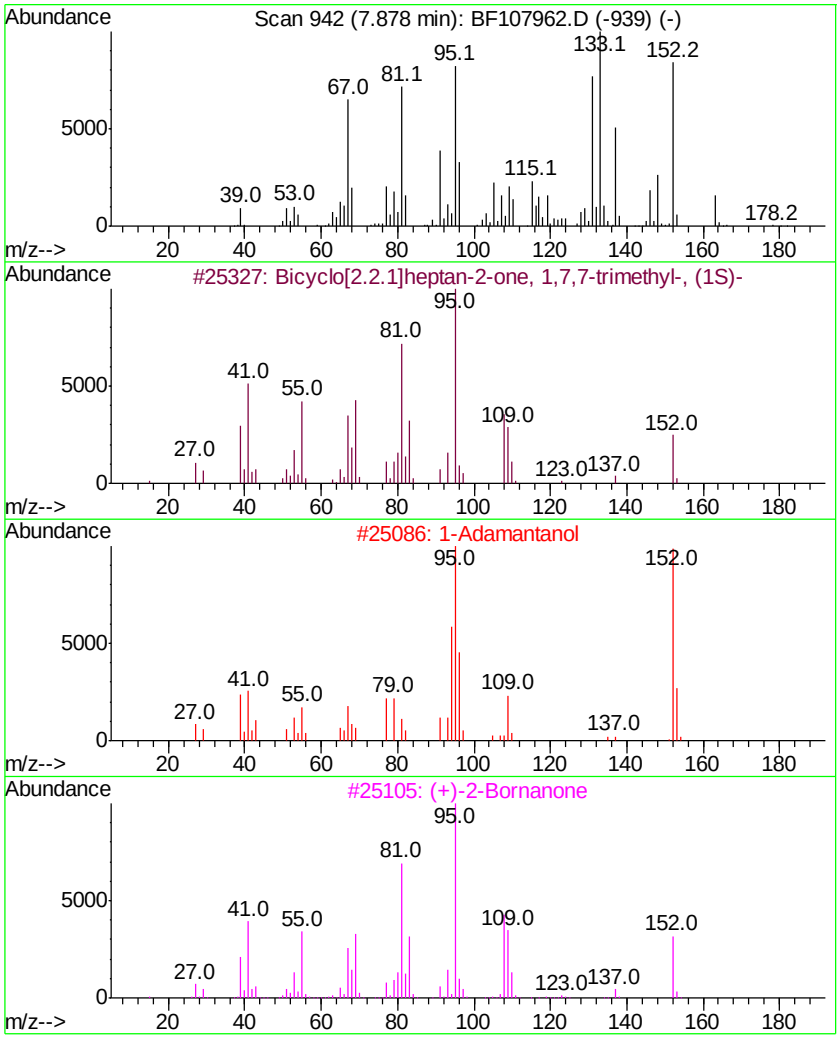
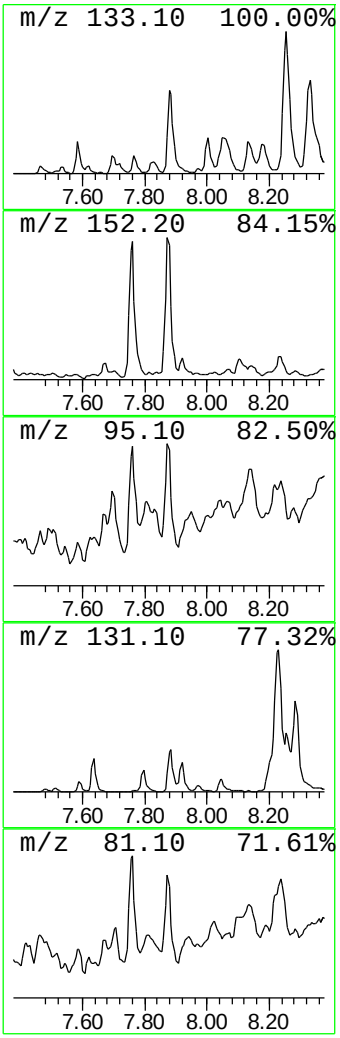
Peak Number 17 unknown7.88 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	25.66 ng	2566110	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	46
2	1-Adamantanol	152	C10H16O	000768-95-6	41
3	(+)-2-Bornanone	152	C10H16O	000464-49-3	41
4	3-t-Butyl-6-methyl-2H-pyran	152	C10H16O	1000188-12-8	38
5	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	25





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

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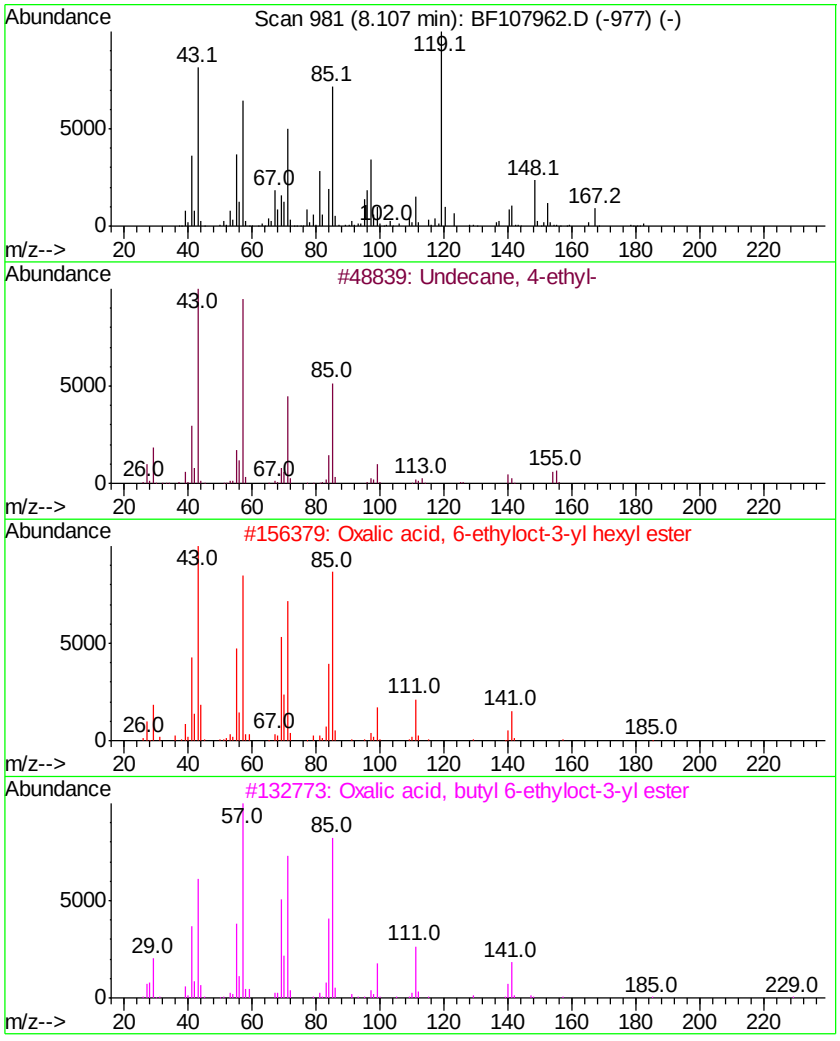
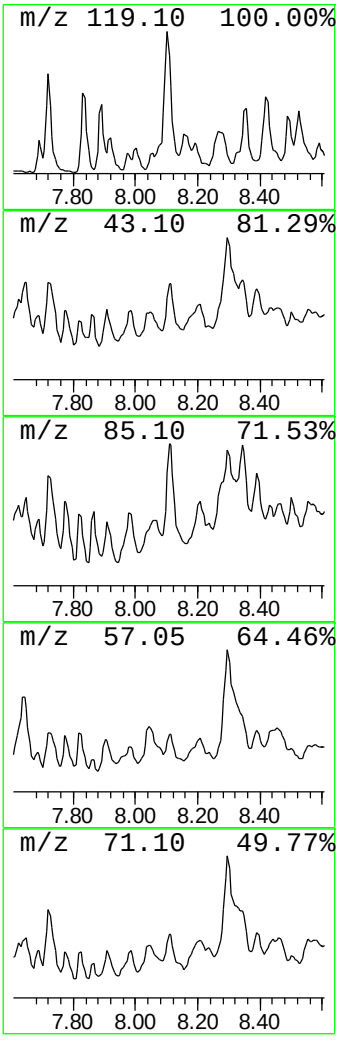
Peak Number 18 unknown8.11 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	20.00 ng	2000040	Naphthalene-d8	8.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4-ethyl-	184	C13H28	017312-59-3	27
2	Oxalic acid, 6-ethyloct-3-yl hex...	314	C18H34O4	1000309-34-4	27
3	Oxalic acid, butyl 6-ethyloct-3-...	286	C16H30O4	1000309-34-2	27
4	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	22
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	22





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Data File : BF107962.D
Acq On : 4 Aug 2018 2:46
Operator : JU/SJ
Sample : J4297-08 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

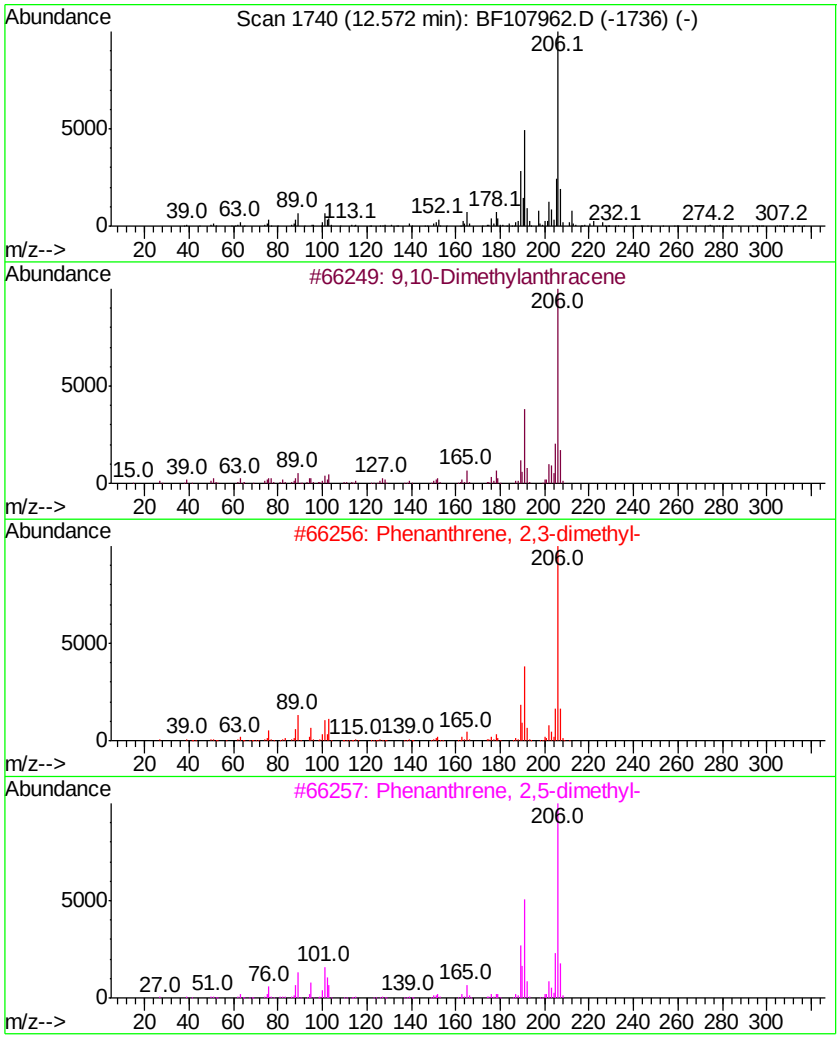
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

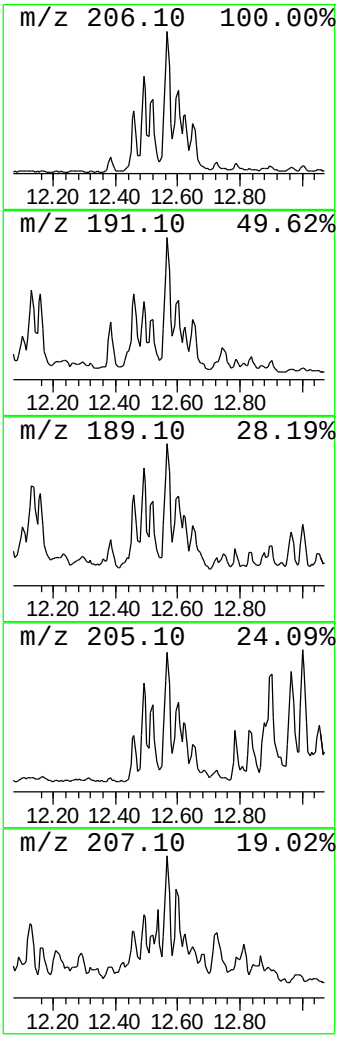
****

Peak Number 19 9,10-Dimethylanthracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	20.00 ng	1573300	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080318\
Data File : BF107962.D
Acq On : 4 Aug 2018 2:46
Operator : JU/SJ
Sample : J4297-08 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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
1-Ethyl-4-methylc...	5.97	30.2	ng	2019990	1	6.96	1335870	20.0
Octane, 2,6-dimet...	6.18	82.5	ng	5509950	1	6.96	1335870	20.0
Hexane, 3-ethyl-2...	6.24	25.1	ng	1676510	1	6.96	1335870	20.0
Heptane, 3-ethyl-...	6.38	39.6	ng	2645750	1	6.96	1335870	20.0
Cyclohexane, 1,1,...	6.48	76.0	ng	5076230	1	6.96	1335870	20.0
Cyclohexane, 1-me...	6.68	47.1	ng	3147130	1	6.96	1335870	20.0
unknown6.72	6.72	40.8	ng	2727130	1	6.96	1335870	20.0
unknown6.90	6.90	22.6	ng	1512380	1	6.96	1335870	20.0
Undecane, 3-methyl-	7.05	38.1	ng	2543530	1	6.96	1335870	20.0
unknown7.08	7.08	44.3	ng	2957120	1	6.96	1335870	20.0
5-Undecene	7.21	50.5	ng	3369880	1	6.96	1335870	20.0
Naphthalene, deca...	7.34	27.3	ng	1820410	1	6.96	1335870	20.0
Cyclopentane, (2-...	7.37	26.7	ng	1782940	1	6.96	1335870	20.0
unknown7.59	7.59	56.3	ng	3759590	1	6.96	1335870	20.0
unknown7.64	7.64	23.6	ng	2364060	2	8.24	2000040	20.0
Naphthalene, deca...	7.76	19.4	ng	1941810	2	8.24	2000040	20.0
unknown7.88	7.88	25.7	ng	2566110	2	8.24	2000040	20.0
unknown8.11	8.11	20.0	ng	2000040	2	8.24	2000040	20.0
9,10-Dimethylanth...	12.57	20.0	ng	1573300	4	11.53	1573300	20.0