LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
Data File : BF094677.D
Acq On : 27 Apr 2017 21:30
Operator : SJ/MA
Sample : I2859-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UT-W

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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	2.378	64	75	80	rVB	62365	121459	1.16%	0.103%
2	2.949	164	172	179	rBV4	55093	122303	1.16%	0.104%
3	3.160	200	208	212	rBV2	134016	193711	1.84%	0.165%
4	3.431	247	254	260	rVB2	126064	203423	1.94%	0.173%
5	3.513	260	268	272	rBV	86465	110469	1.05%	0.094%
6	3.772	306	312	317	rVB	168172	201333	1.92%	0.171%
7	3.866	317	328	332	rBV3	364272	707900	6.73%	0.603%
8	3.913	332	336	341	rVV2	559537	702984	6.69%	0.599%
9	3.978	341	347	350	rVB3	92048	178435	1.70%	0.152%
10	4.107	363	369	372	rBV2	452904	563476	5.36%	0.480%
11	4.184	377	382	384	rBV2	200405	273291	2.60%	0.233%
12	4.207	384	386	389	rVB	148344	116055	1.10%	0.099%
13	4.284	391	399	404	rBV2	511213	810690	7.71%	0.690%
14	4.348	404	410	413	rVV	691377	1278533	12.16%	1.089%
15	4.378	413	415	418	rVB	164898	138488	1.32%	0.118%
16	4.460	425	429	433	rBV2	403193	583839	5.55%	0.497%
17	4.501	433	436	439	rVB	567281	474980	4.52%	0.404%
18	4.543	439	443	449	rVB3	457963	793047	7.54%	0.675%
19	4.601	449	453	454	rBV	177191	193783	1.84%	0.165%
20	4.713	465	472	476	rBV2	667920	1011131	9.62%	0.861%
21	4.766	476	481	484	rBV2	345342	566233	5.39%	0.482%
22	4.854	490	496	501	rVB2	1300321	1681603	16.00%	1.432%
23	4.907	501	505	510	rBV4	368213	703171	6.69%	0.599%
24	4.960	510	514	520	rBV2	2218466	3024319	28.77%	2.575%
25	5.019	520	524	527	rBV	944519	956536	9.10%	0.815%
26	5.048	527	529	532	rVB2	204872	212002	2.02%	0.181%
27	5.078	532	534	536	rVB	179879	139686	1.33%	0.119%
28	5.101	536	538	542	rVB2	301585	287991	2.74%	0.245%
29	5.160	542	548	554	rBV3	968922	2304913	21.93%	1.963%
30	5.207	554	556	558	rBV	204698	170478	1.62%	0.145%
31	5.231	558	560	562	rBV	909147	785741	7.48%	0.669%
32	5.254	562	564	568	rBV4	770789	928530	8.83%	0.791%
33	5.331	574	577	582	rBV3	1078155	1410418	13.42%	1.201%
34	5.390	584	587	588	rVV	620360	540904	5.15%	0.461%

LSC Area Percent Report

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Sample : I2859-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UT-W

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	5.413	588	591	594	rVV2	1118346	1399460	13.31%	1.192%
36	5.442	594	596	599	rVB	582531	536109	5.10%	0.457%
37	5.490	599	604	606	rBV3	1427132	2322418	22.09%	1.978%
38	5.531	608	611	617	rVB	1741963	2962278	28.18%	2.523%
39	5.584	617	620	621	rBV	460466	334063	3.18%	0.284%
40	5.607	621	624	630	rVB3	1583029	2015851	19.18%	1.717%
41	5.678	634	636	637	rBV	139687	113406	1.08%	0.097%
42	5.731	638	645	647	rBV3	986389	1825318	17.36%	1.554%
43	5.778	650	653	656	rVB3	663319	671436	6.39%	0.572%
44	5.819	656	660	663	rBV	2615502	2680132	25.50%	2.282%
45	5.954	677	683	694	rVB6	3426442	9389815	89.33%	7.996%
46	6.037	694	697	698	rBV3	298996	303019	2.88%	0.258%
47	6.072	698	703	705	rBV2	1476234	2168745	20.63%	1.847%
48	6.119	709	711	714	rVB	1053724	936673	8.91%	0.798%
49	6.154	714	717	721	rBV	1476649	1622078	15.43%	1.381%
50	6.231	727	730	734	rBV3	1557657	2022482	19.24%	1.722%
51	6.413	752	761	768	rBV4	3330449	10511545	100.00%	8.951%
52	6.501	773	776	780	rBV2	1500188	2522357	24.00%	2.148%
53	6.689	805	808	810	rVB	791013	782038	7.44%	0.666%
54	6.719	810	813	822	rVB3	2781479	5405524	51.42%	4.603%
55	6.789	823	825	828	rBV2	559841	595139	5.66%	0.507%
56	6.854	831	836	841	rBV6	2595882	5535747	52.66%	4.714%
57	6.984	853	858	864	rBV3	1951563	4366775	41.54%	3.719%
58	7.095	873	877	884	rBV3	1434940	3015297	28.69%	2.568%
59	7.419	928	932	934	rBV2	2307717	3755527	35.73%	3.198%
60	7.531	948	951	953	rBV2	1235544	1729018	16.45%	1.472%
61	7.878	1003	1010	1011	rBV5	2147682	4666954	44.40%	3.974%
62	11.236	1577	1581	1584	rVB	2542123	3770116	35.87%	3.210%
63	12.524	1798	1800	1802	rVB	752371	564797	5.37%	0.481%
64	12.589	1807	1811	1814	rBV2	1445456	2009250	19.11%	1.711%
65	12.677	1824	1826	1831	rVB4	1486461	1927631	18.34%	1.641%
66	13.036	1883	1887	1890	rVB	1402930	2090377	19.89%	1.780%
67	13.083	1892	1895	1899	rVV	1144371	1390646	13.23%	1.184%
68	13.130	1899	1903	1906	rVB	1720735	2004035	19.07%	1.707%
69	13.230	1915	1920	1924	rBV	1578027	2254158	21.44%	1.920%
70	13.518	1967	1969	1973	rVB3	384750	399791	3.80%	0.340%
71	13.560	1973	1976	1979	rBV	990992	970731	9.23%	0.827%

LSC Area Percent Report

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Acq On : 27 Apr 2017 21:30
Operator : SJ/MA
Sample : I2859-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UT-W

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.707	1999	2001	2006	rVB2	435652	500289	4.76%	0.426%
73	13.977	2045	2047	2052	rVB	281835	266354	2.53%	0.227%
74	14.483	2128	2133	2136	rBV2	635574	927930	8.83%	0.790%
75	14.512	2136	2138	2144	rVB	301860	344925	3.28%	0.294%
76	15.701	2336	2340	2343	rBV	210318	301328	2.87%	0.257%
77	15.983	2385	2388	2392	rBV	109677	124784	1.19%	0.106%
78	16.042	2395	2398	2404	rVB	165696	164099	1.56%	0.140%
79	16.101	2404	2408	2411	rBV	541451	599656	5.70%	0.511%
80	17.383	2621	2626	2635	rVB2	71200	139131	1.32%	0.118%

Sum of corrected areas: 117431087

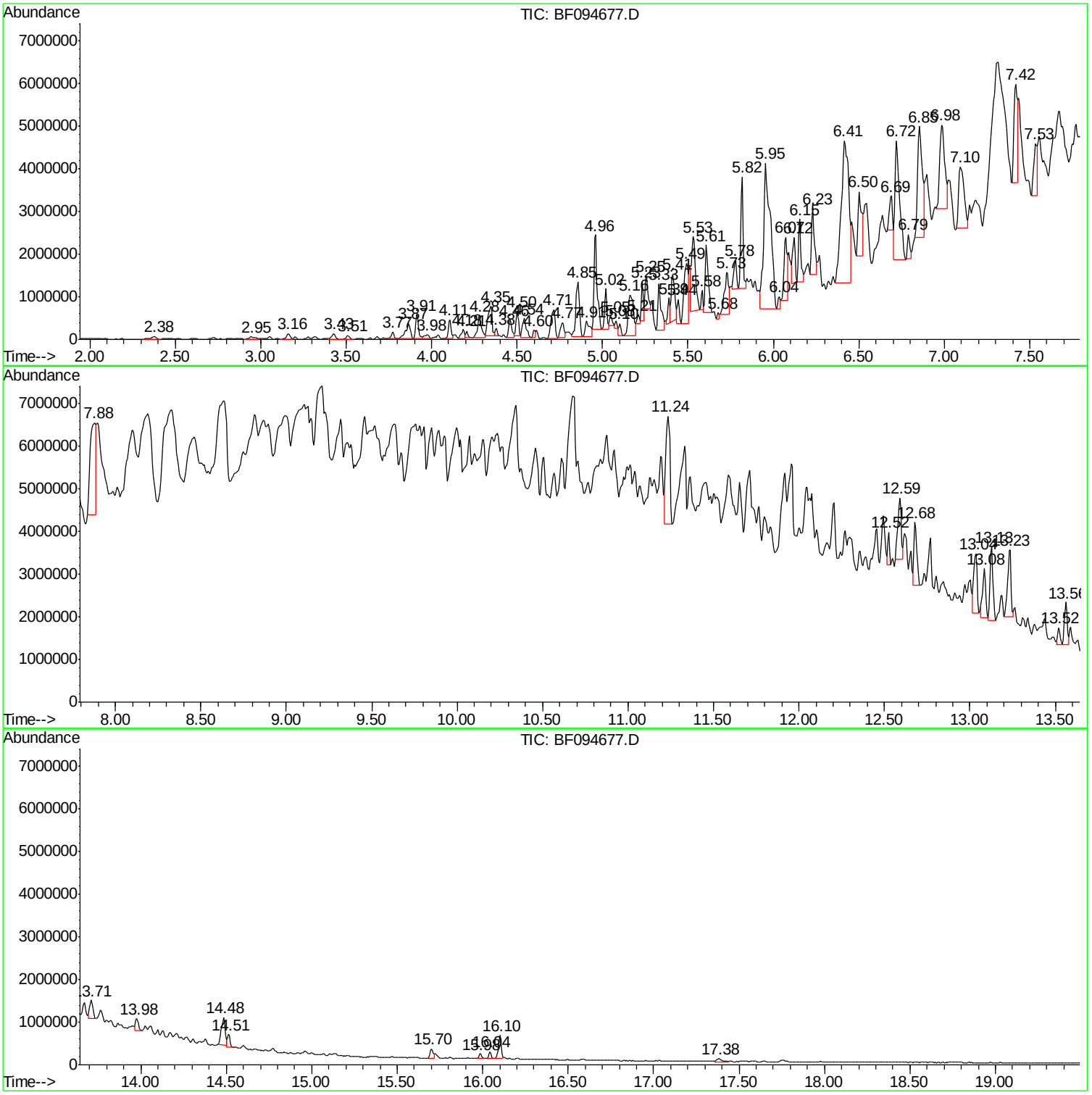
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
Data File : BF094677.D
Acq On : 27 Apr 2017 21:30
Operator : SJ/MA
Sample : I2859-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UT-W

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
Data File : BF094677.D
Acq On : 27 Apr 2017 21:30
Operator : SJ/MA
Sample : I2859-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UT-W

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

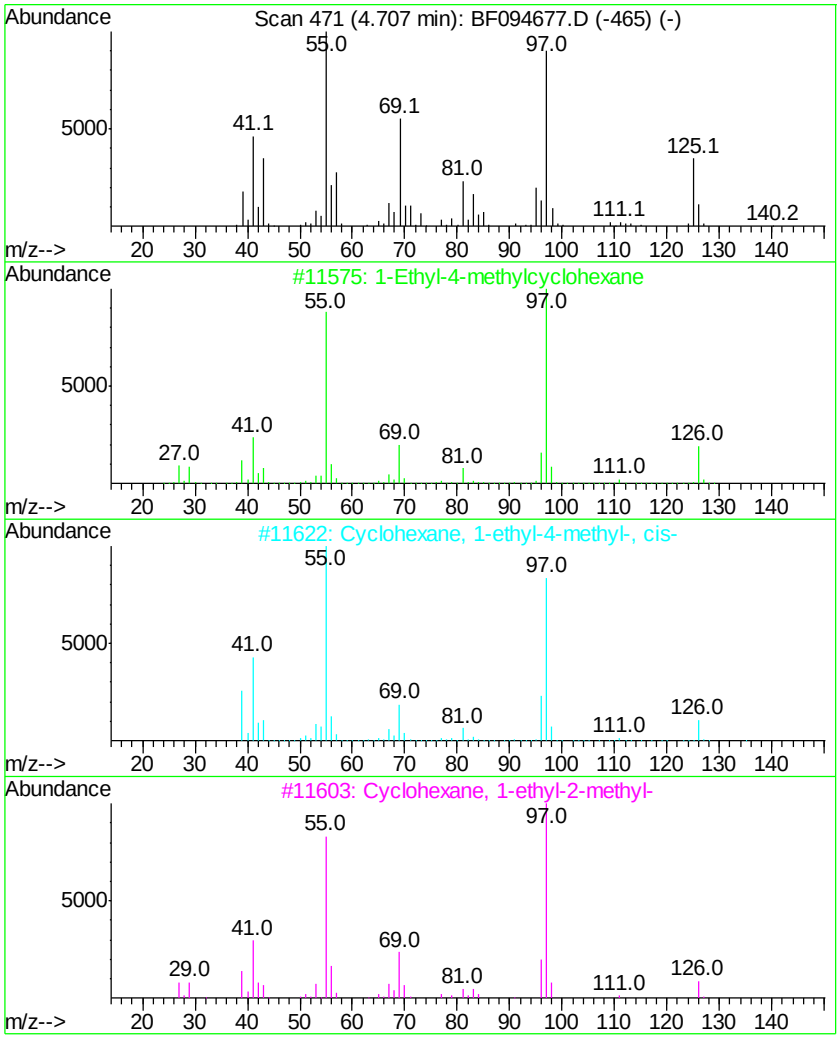
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

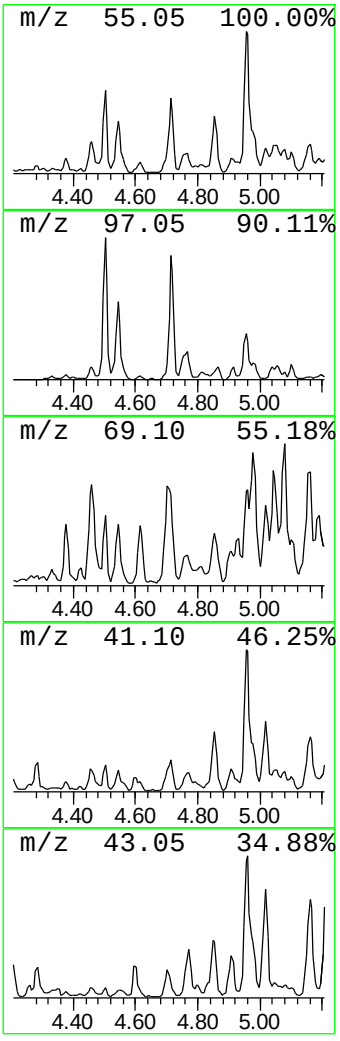
****

Peak Number 1 1-Ethyl-4-methylcyclohexane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.71	30.12 ng	1011130	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	80
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	80
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	74





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
Data File : BF094677.D
Acq On : 27 Apr 2017 21:30
Operator : SJ/MA
Sample : I2859-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UT-W

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

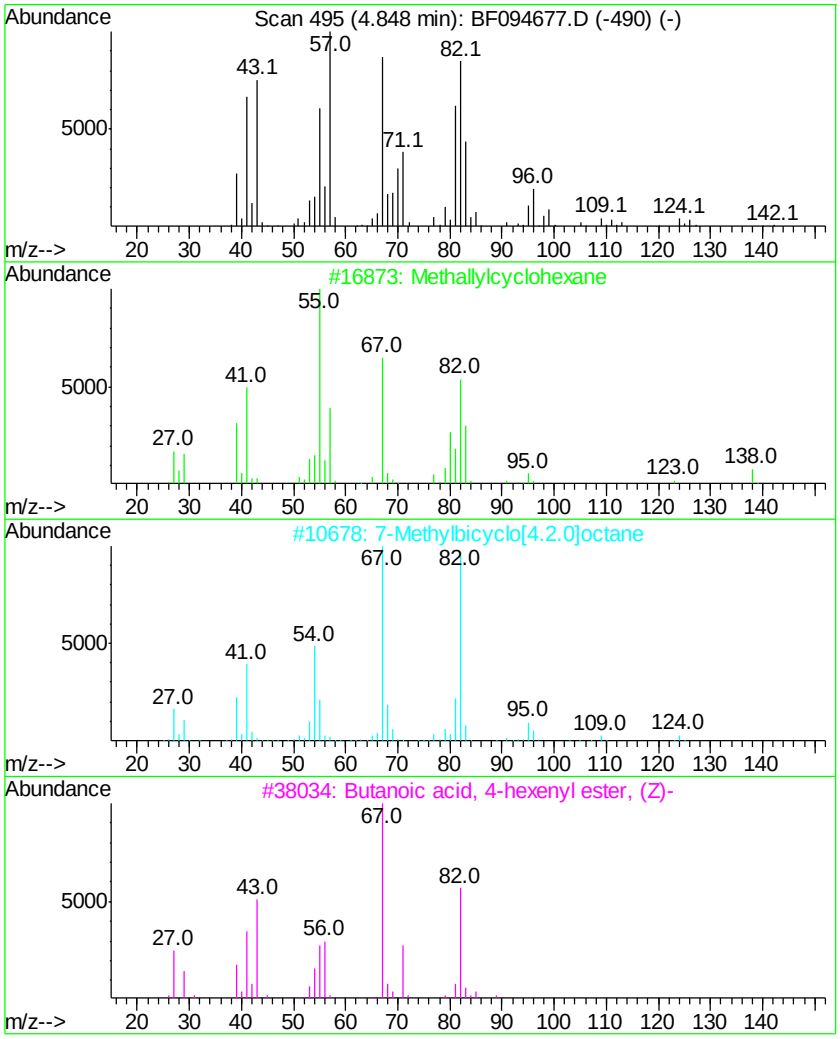
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

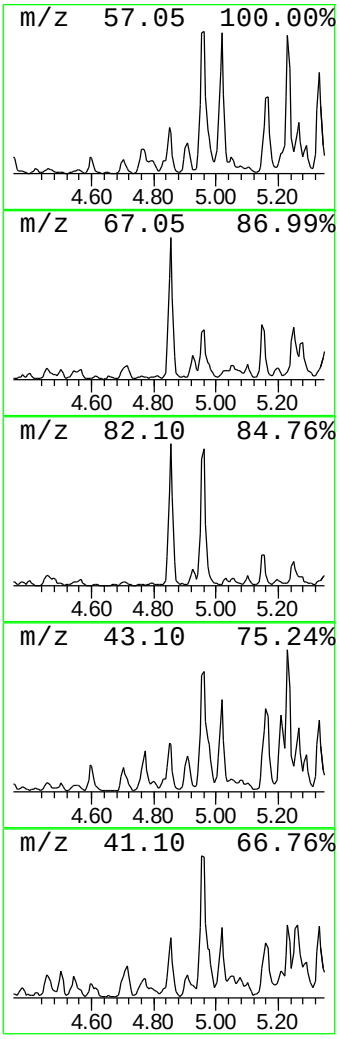
****

Peak Number 2 Methallylcyclohexane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	50.09 ng	1681600	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methallylcyclohexane	138	C10H18	003990-93-0	59
2	7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	52
3	Butanoic acid, 4-hexenyl ester, ...	170	C10H18O2	069727-41-9	50
4	Cis-bicyclo[4.2.0]octane	110	C8H14	028282-35-1	47
5	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
Data File : BF094677.D
Acq On : 27 Apr 2017 21:30
Operator : SJ/MA
Sample : I2859-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UT-W

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

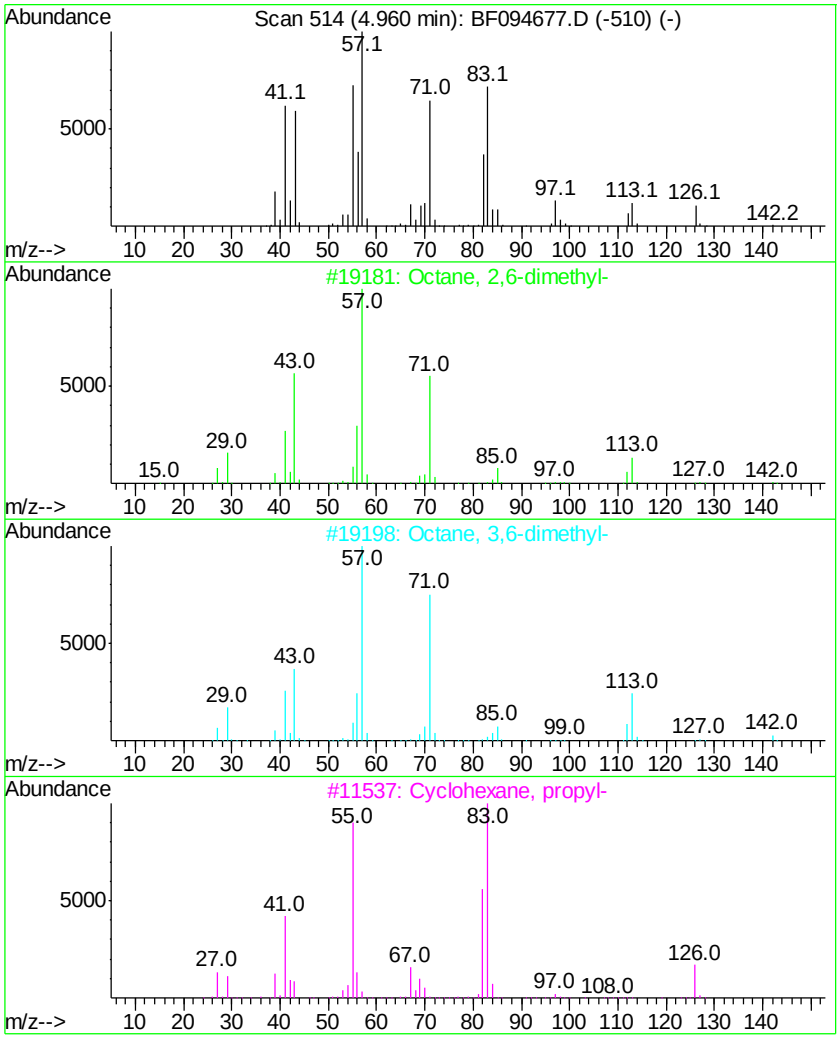
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

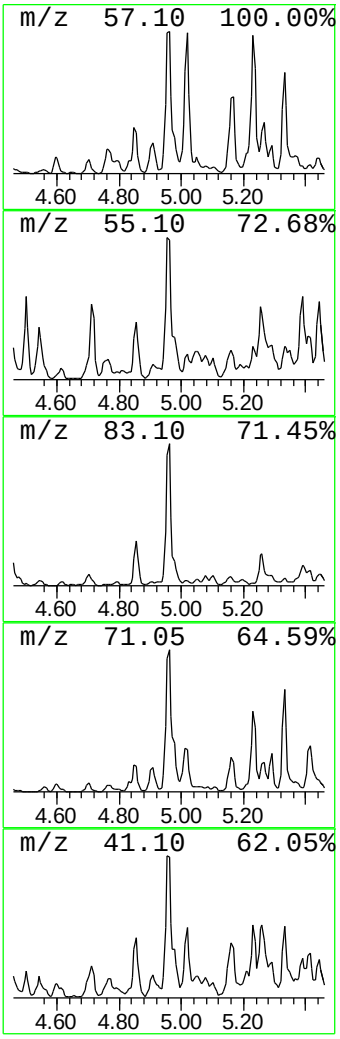
****

Peak Number 3 unknown4.96 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	90.09 ng	3024320	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	46
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	42
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	38
5	3-Bromooctane	192	C8H17Br	000999-64-4	38





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Instrument : BNA_F
ClientSampleId : UT-W

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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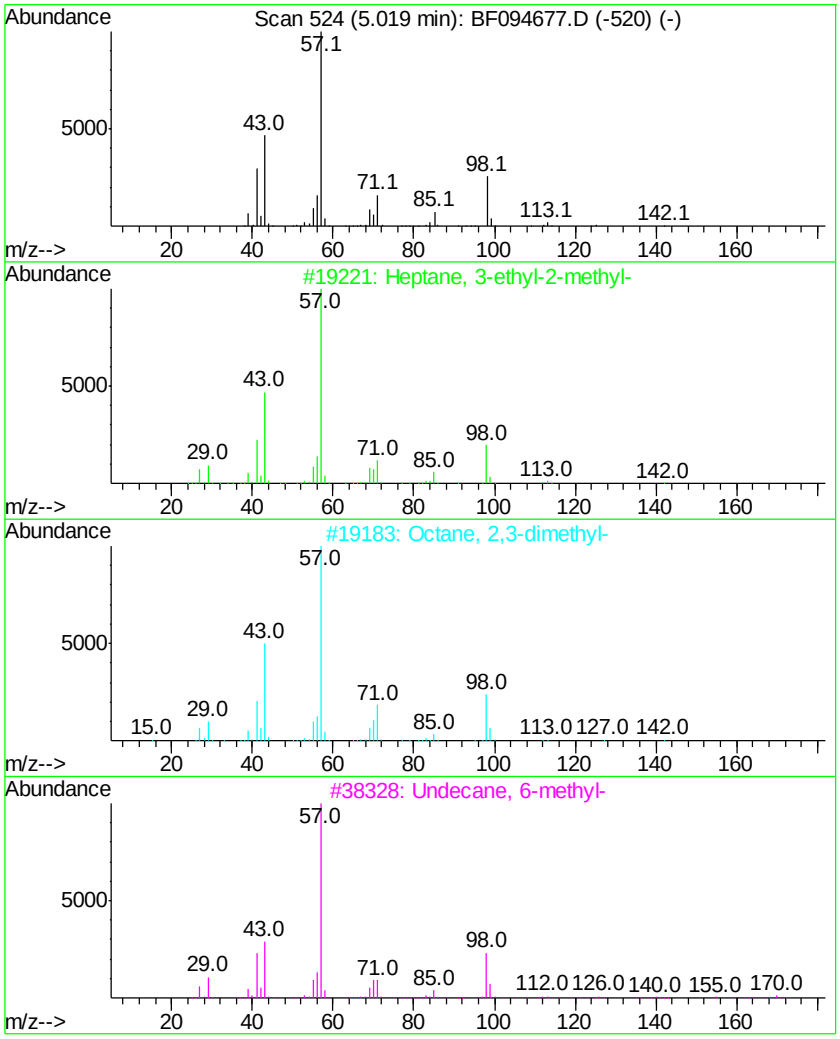
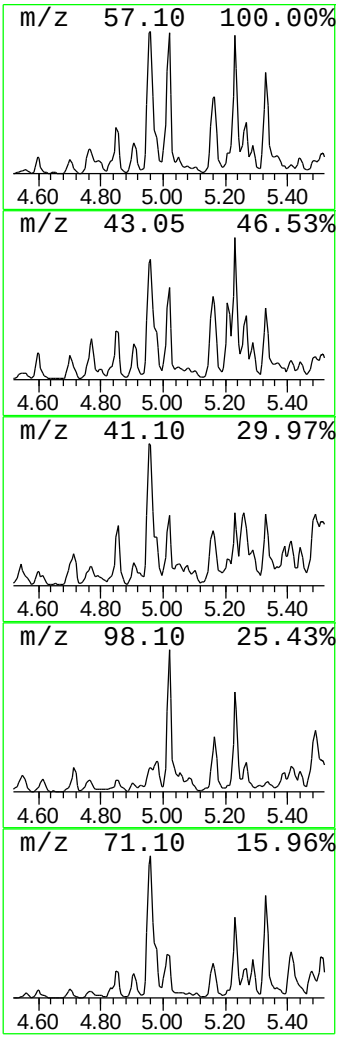
Peak Number 4 Heptane, 3-ethyl-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	28.49 ng	956536	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	90
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	72
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	64
4	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	58
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	47





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Sample : I2859-05
Misc :
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Instrument : BNA_F
ClientSampleId : UT-W

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

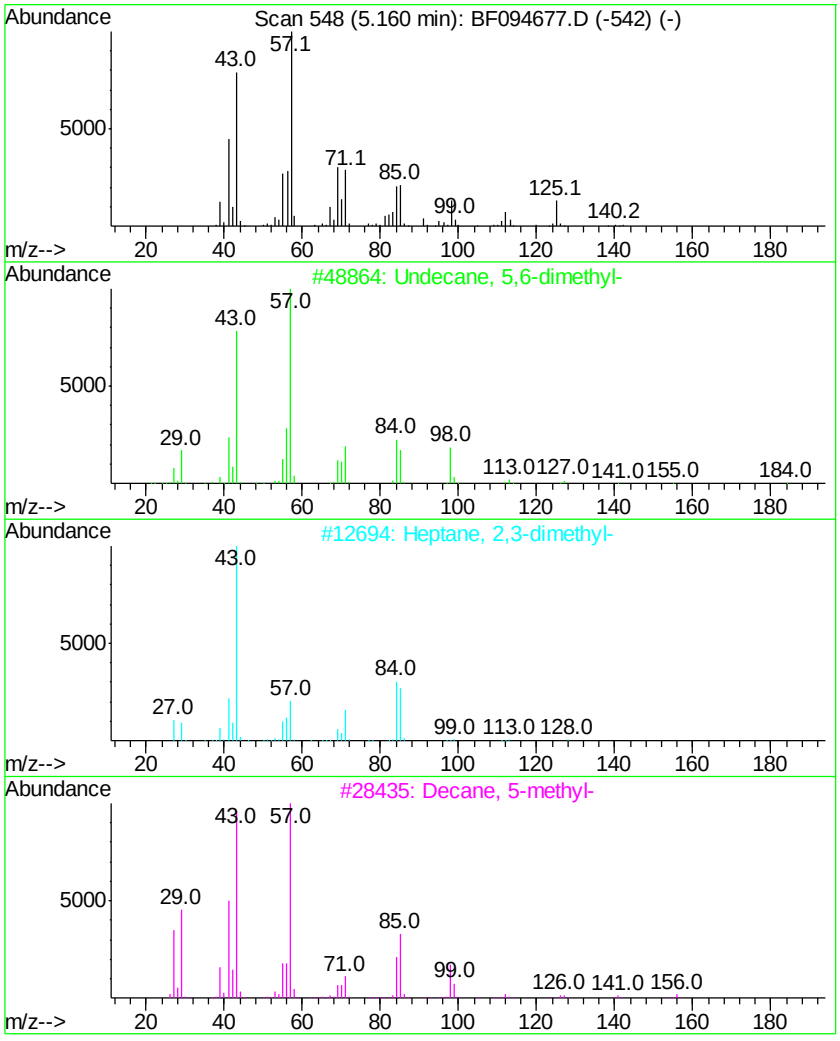
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

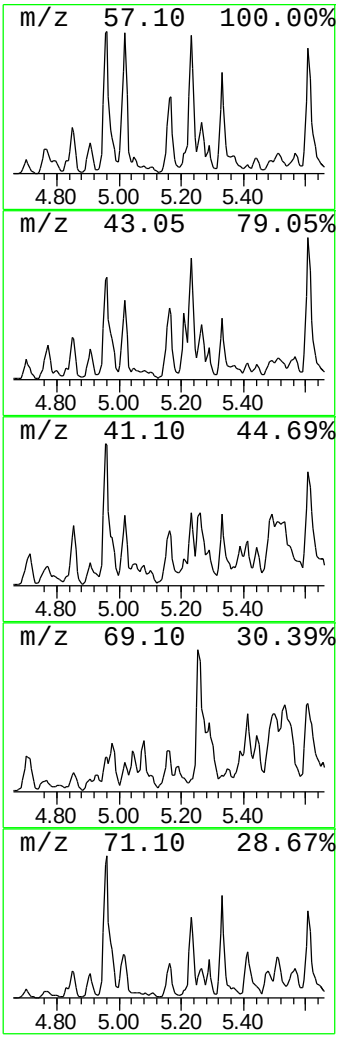
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	68.66 ng	2304910	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	53
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	52
3	Decane, 5-methyl-	156	C11H24	013151-35-4	50
4	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	50
5	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
Data File : BF094677.D
Acq On : 27 Apr 2017 21:30
Operator : SJ/MA
Sample : I2859-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UT-W

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

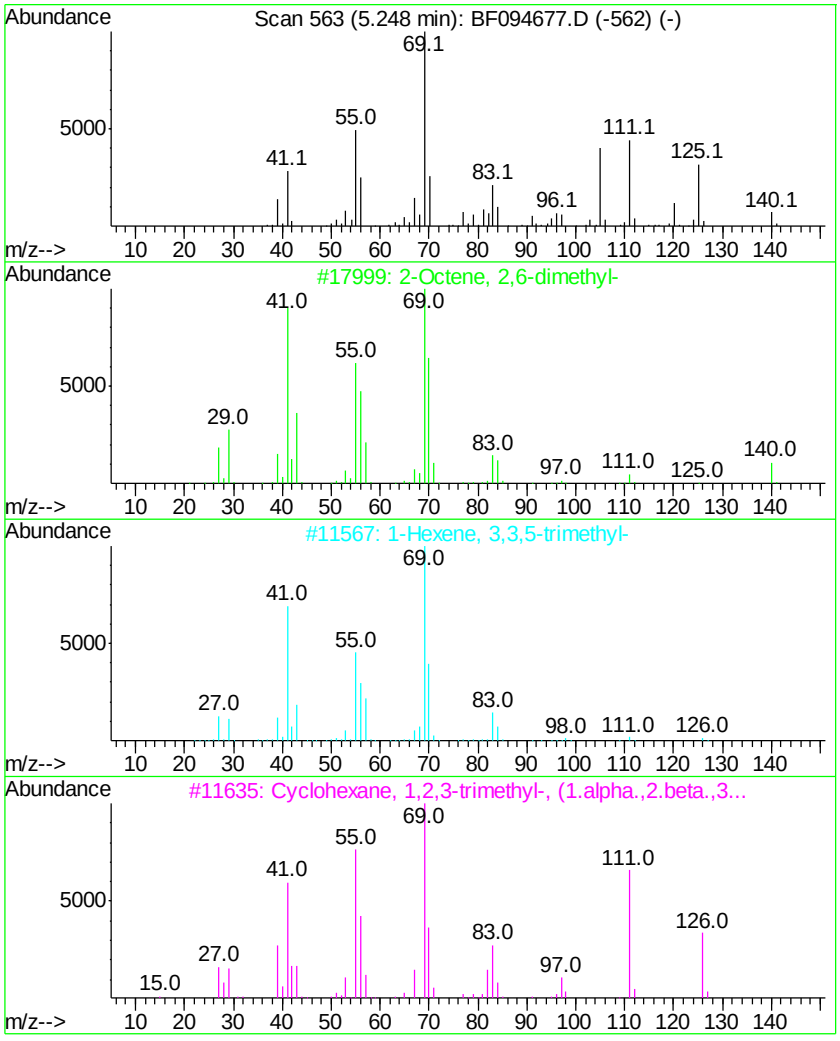
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

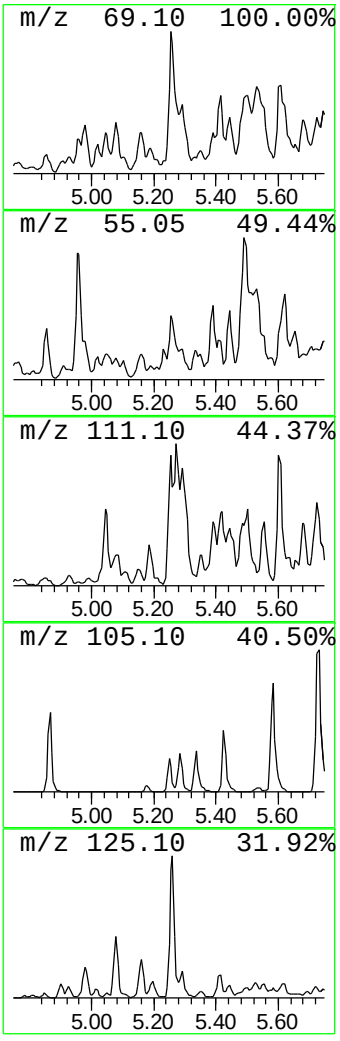
****

Peak Number 6 2-Octene, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.25	27.66 ng	928530	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
2	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	53
3	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	53
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49
5	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
Data File : BF094677.D
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Operator : SJ/MA
Sample : I2859-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UT-W

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

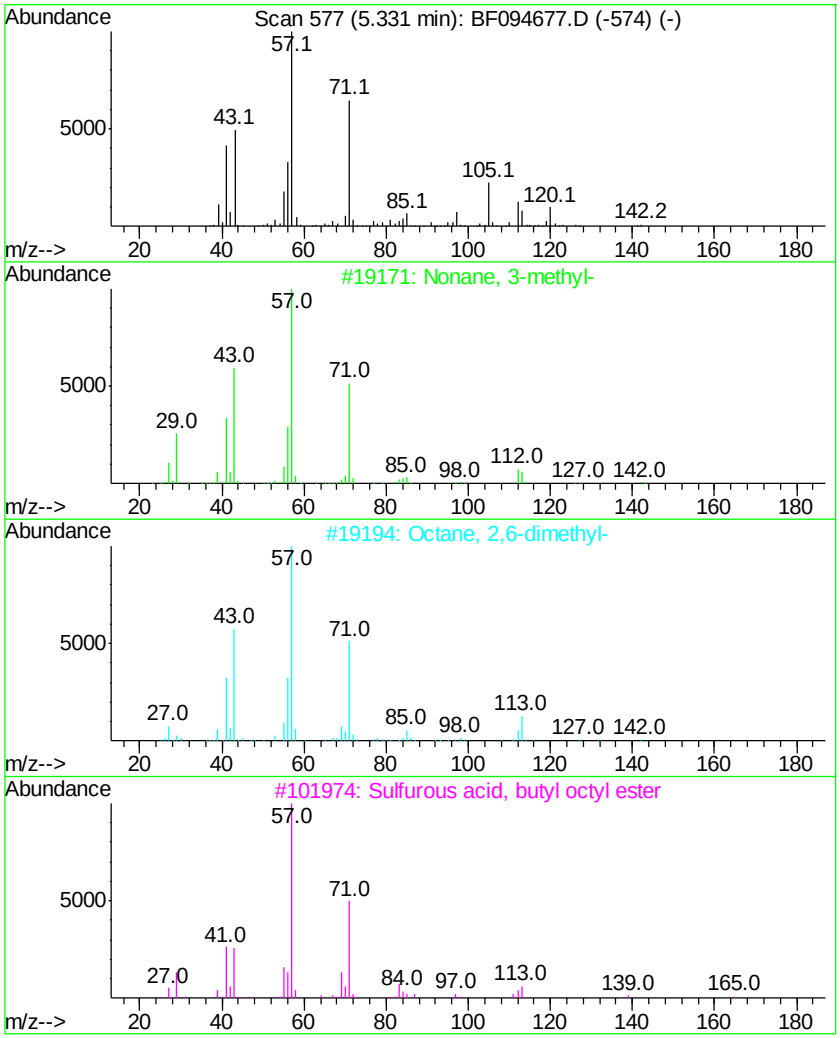
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

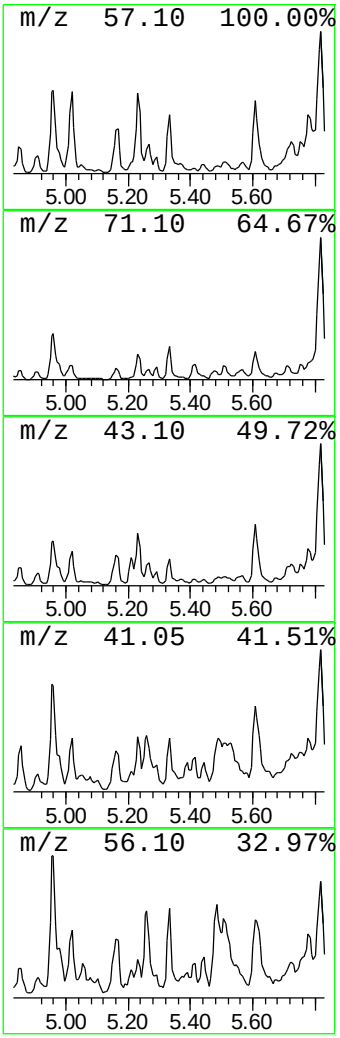
****

Peak Number 7 Nonane, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.33	42.01 ng	1410420	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	76
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
3	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	50
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	49
5	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	47





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Acq On : 27 Apr 2017 21:30
Operator : SJ/MA
Sample : I2859-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UT-W

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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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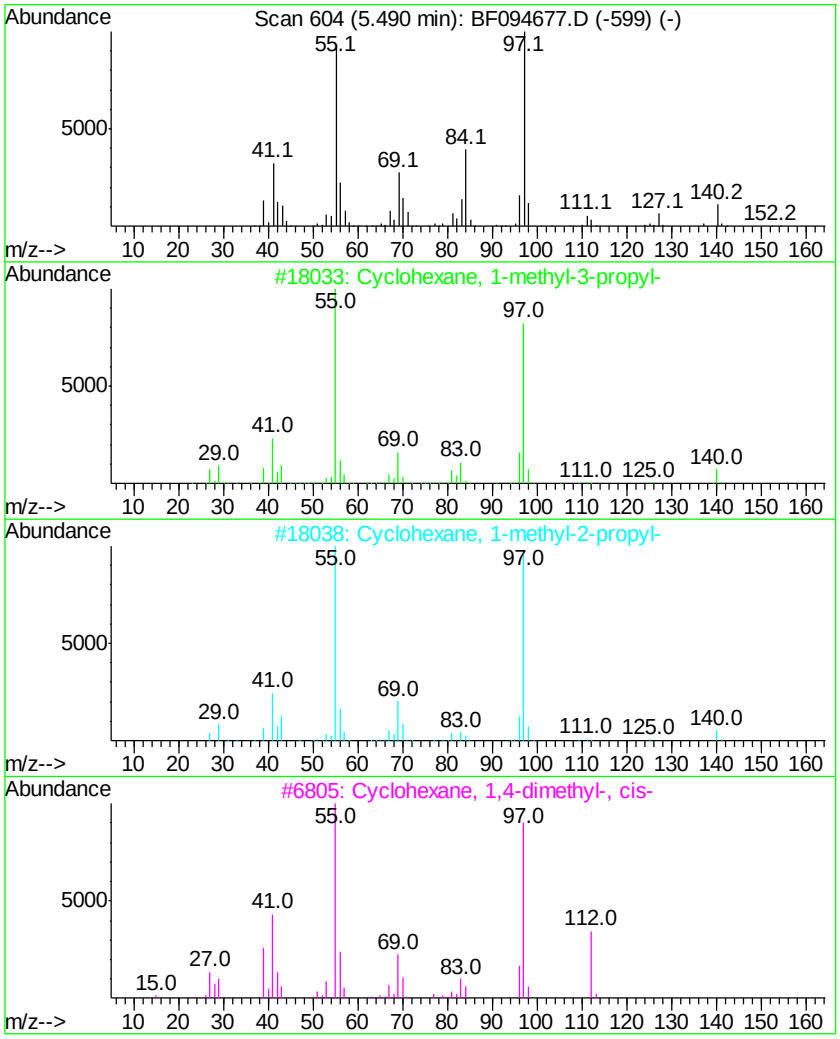
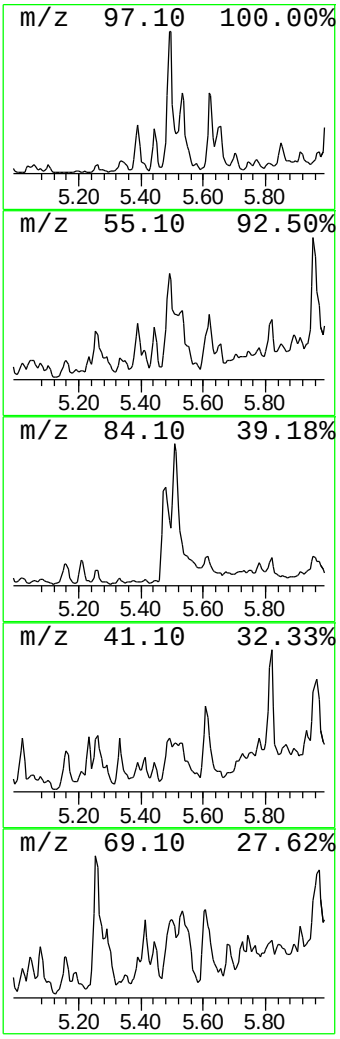
Peak Number 8 Cyclohexane, 1-methyl-3-pro... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.49	69.18 ng	2322420	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	70
2	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	58
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	58
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46
5	Thiophene, 2-butyl-	140	C8H12S	001455-20-5	43





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ClientSampleId : UT-W

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TIC Library : C:\DATABASE\NIST11.L
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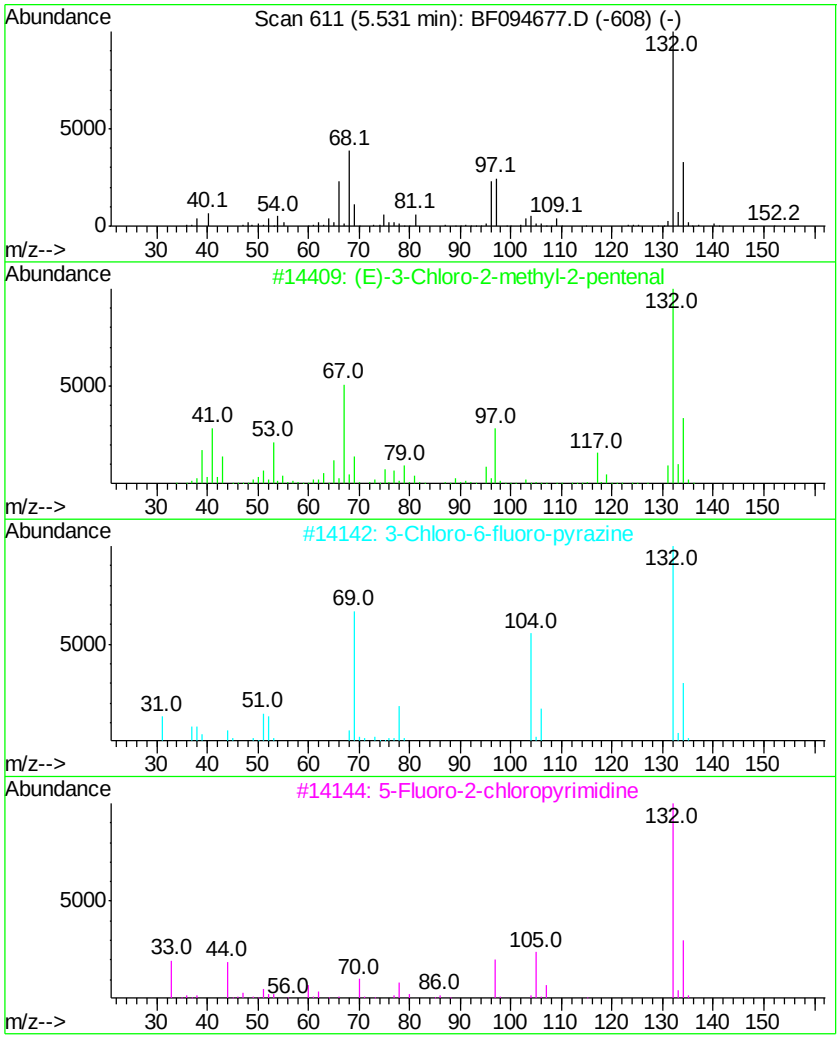
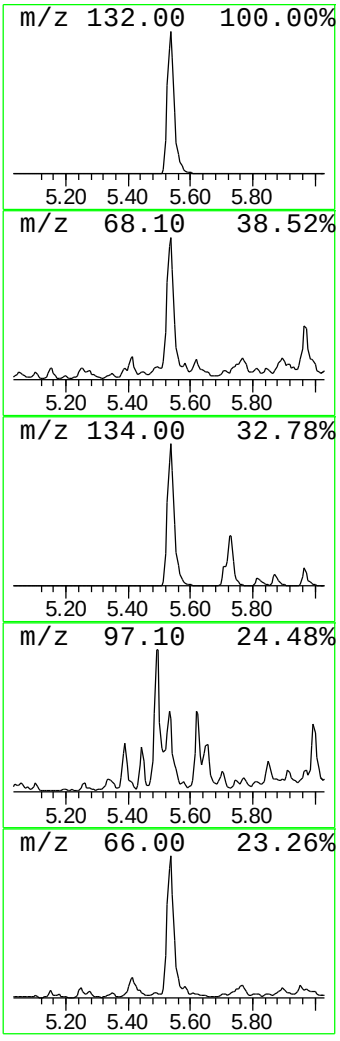
Peak Number 9 unknown5.53 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	88.24 ng	2962280	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	12
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Library Search Compound Report

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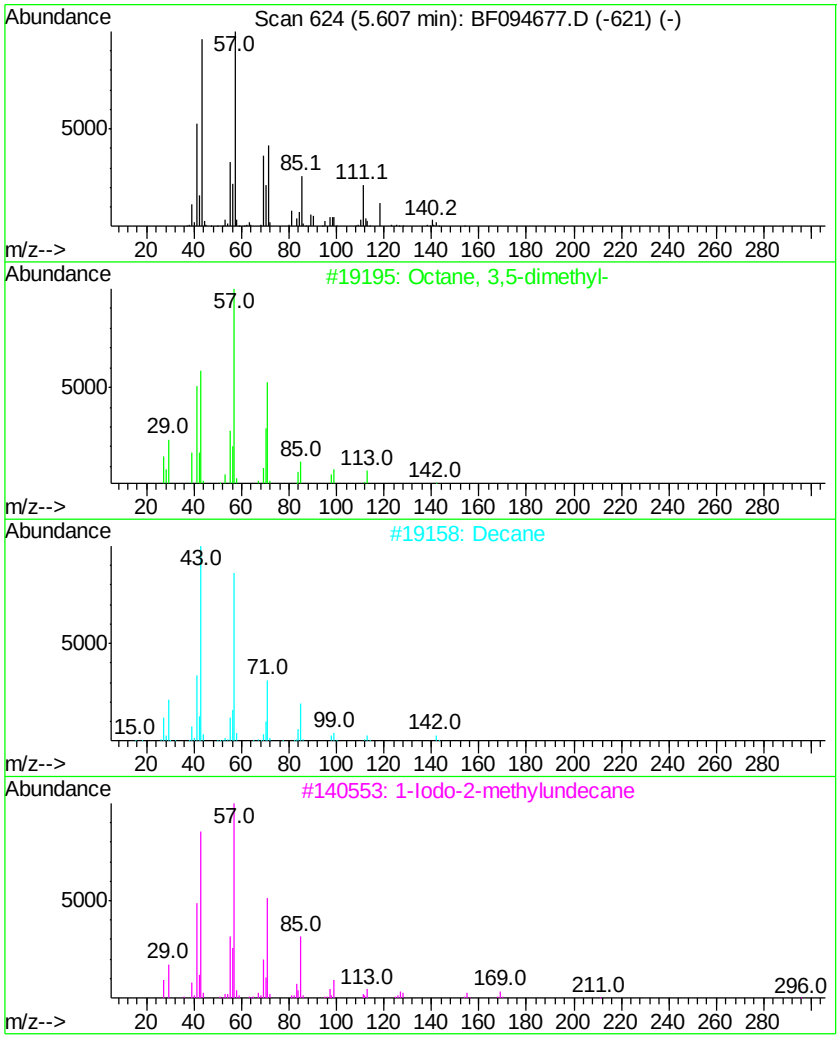
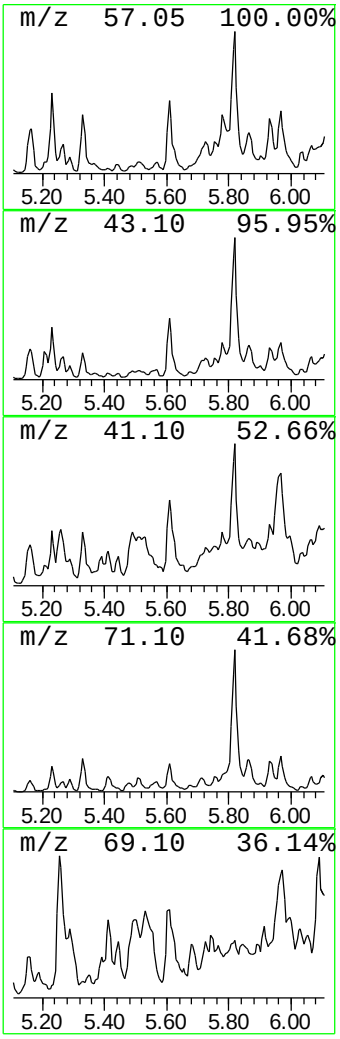
Peak Number 10 Octane, 3,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	60.05 ng	2015850	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	62
2	Decane	142	C10H22	000124-18-5	62
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	50
4	Nonane	128	C9H20	000111-84-2	47
5	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	47





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

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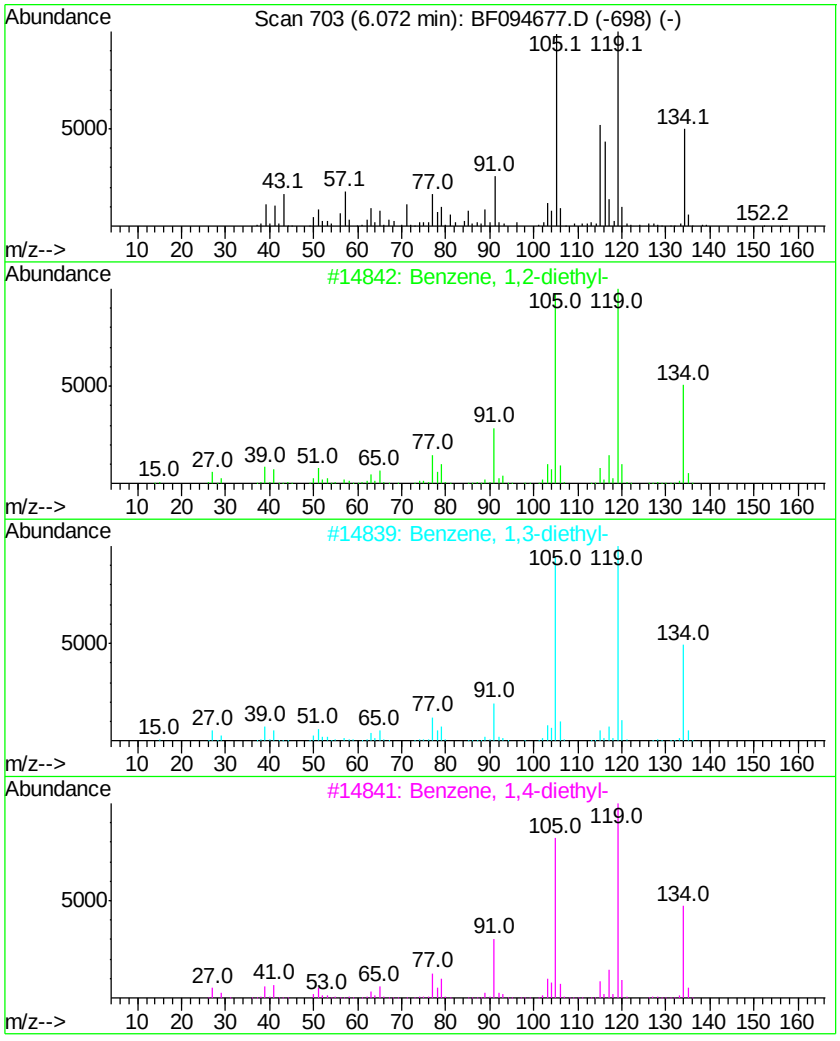
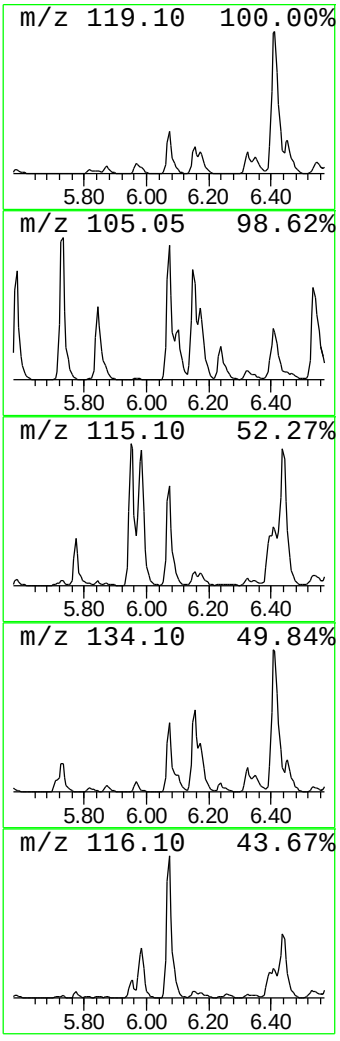
Peak Number 12 Benzene, 1,2-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.07	64.60 ng	2168750	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	58
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	53





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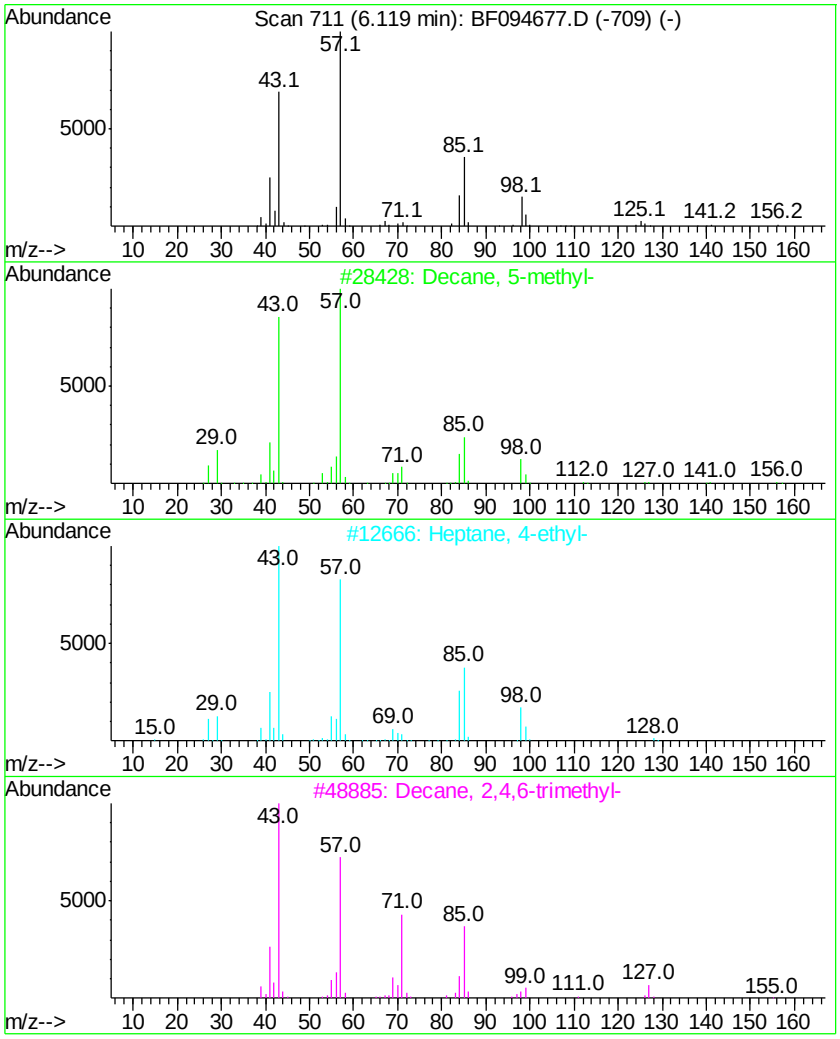
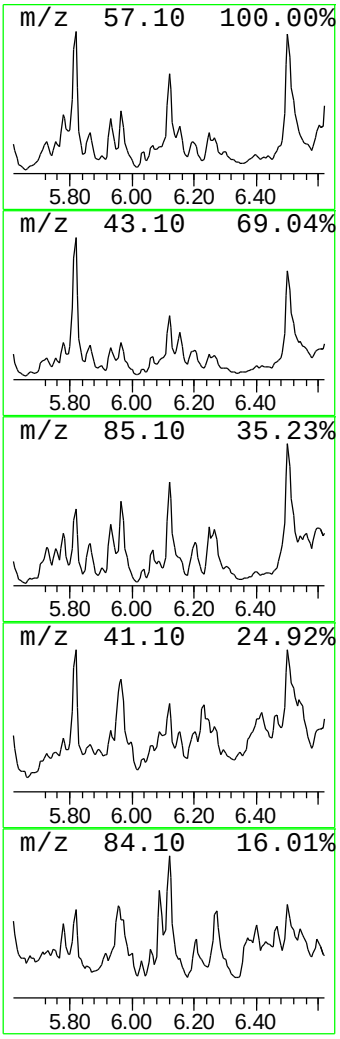
Peak Number 13 Decane, 5-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	27.90 ng	936673	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	64
2	Heptane, 4-ethyl-	128	C9H20	002216-32-2	64
3	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	53
4	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	50
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	50





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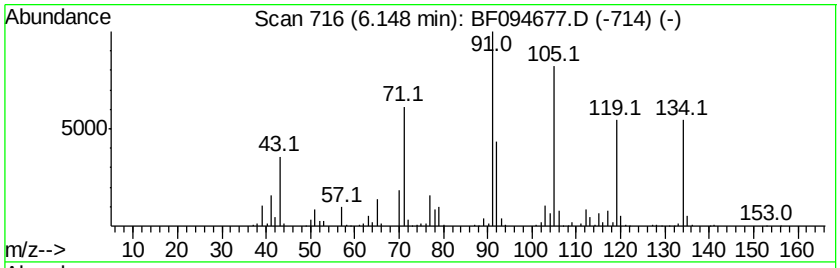
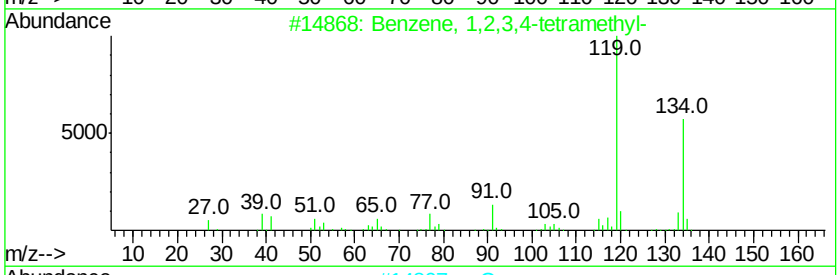
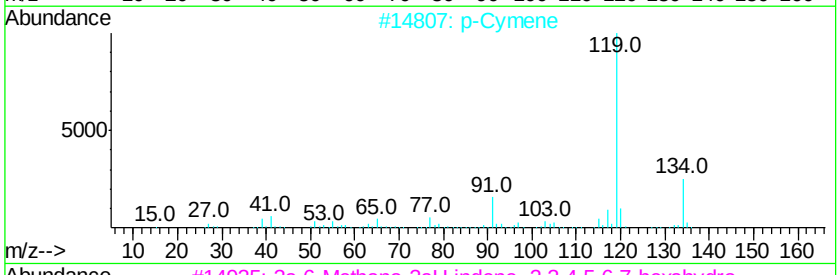
Peak Number 14 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 11

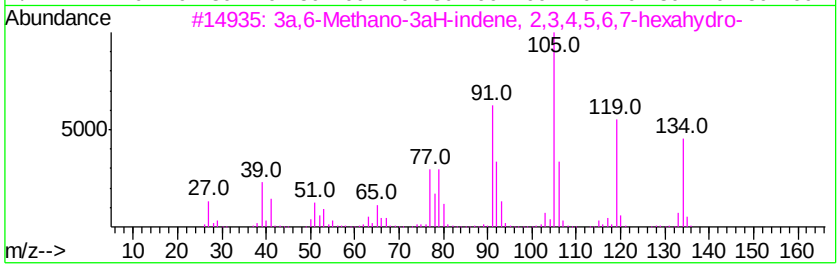
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.15	48.32 ng	1622080	1,4-Dichlorobenzene-d4	5.77

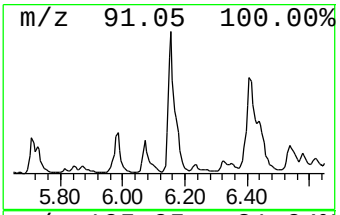
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50
2	p-Cymene	134	C10H14	000099-87-6	50
3	3a,6-Methano-3aH-indene, 2,3,4,5...	134	C10H14	098640-10-9	49
4	o-Cymene	134	C10H14	000527-84-4	46
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	46

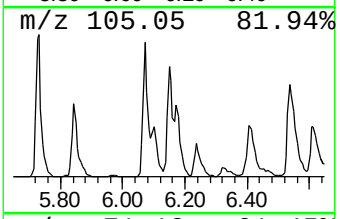


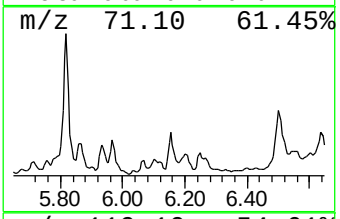


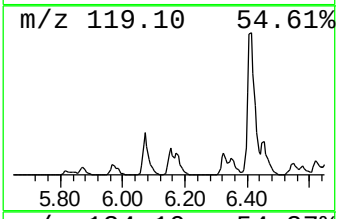


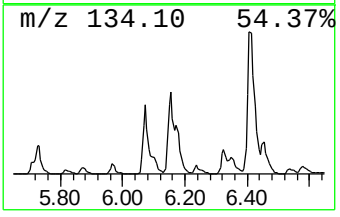












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Instrument : BNA_F
ClientSampleId : UT-W

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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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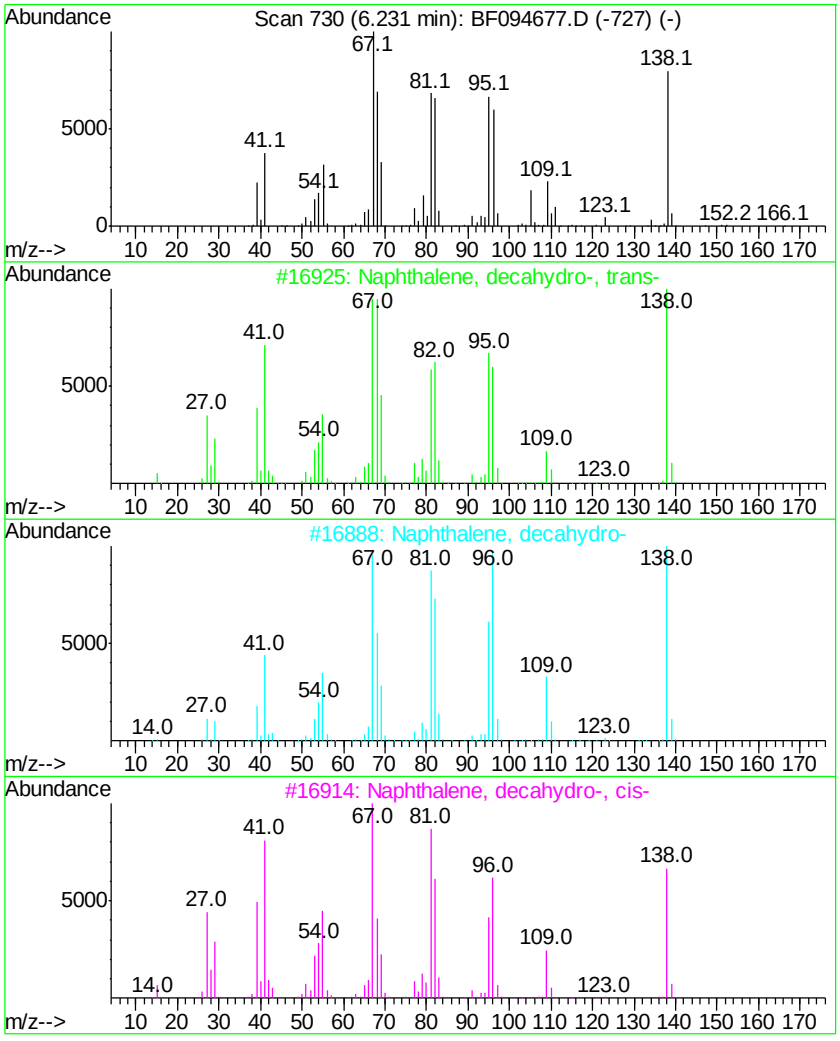
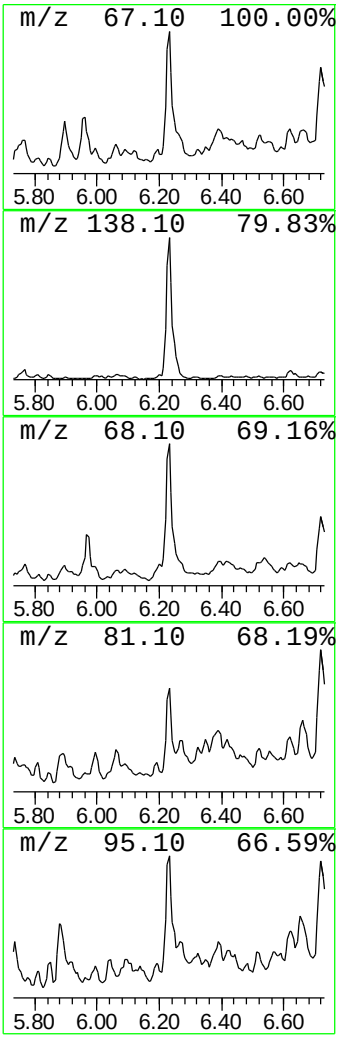
Peak Number 15 Naphthalene, decahydro-, tr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.23	60.24 ng	2022480	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	93
4	Spiro[4.5]decane	138	C10H18	000176-63-6	87
5	4-Isopropenylcyclohexanone	138	C9H14O	022460-53-3	72





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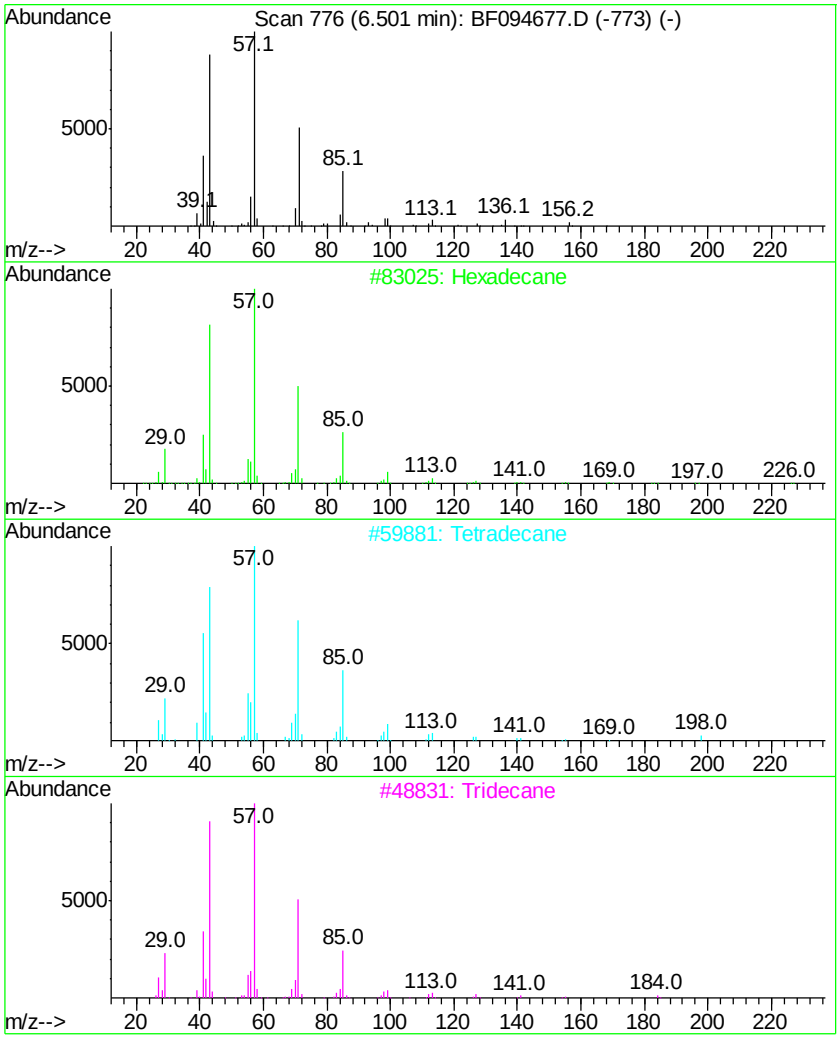
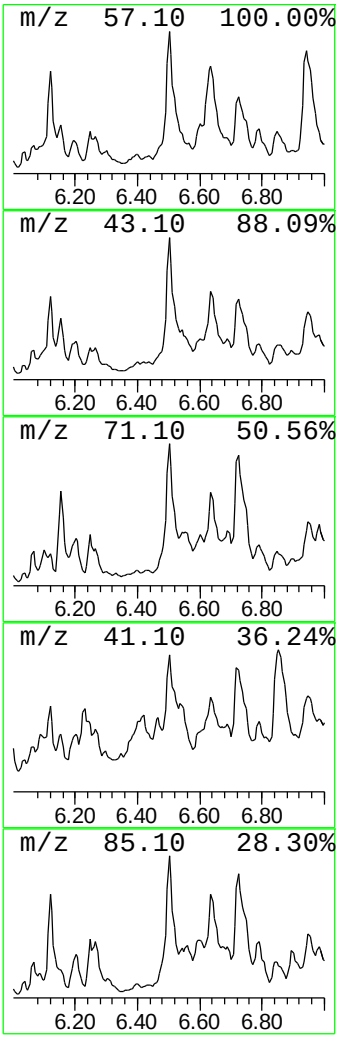
Peak Number 16 Hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	75.13 ng	2522360	1,4-Dichlorobenzene-d4	5.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Tetradecane	198	C14H30	000629-59-4	86
3	Tridecane	184	C13H28	000629-50-5	80
4	Tritetracontane	605	C43H88	007098-21-7	78
5	Undecane	156	C11H24	001120-21-4	78





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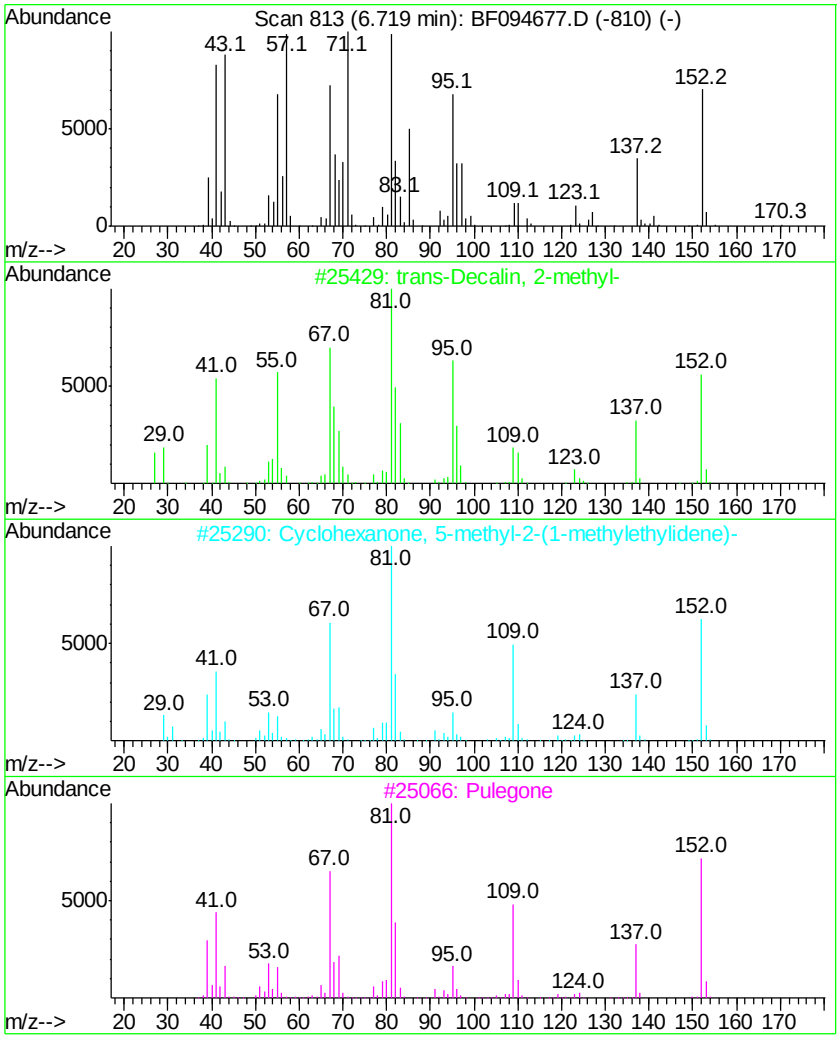
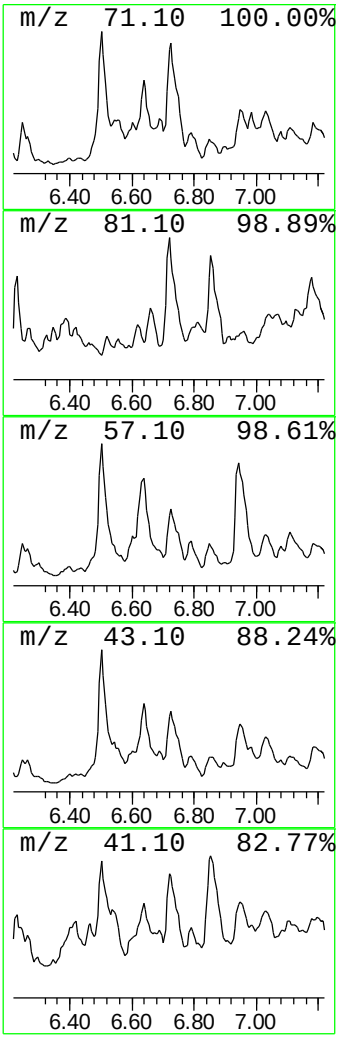
Peak Number 17 trans-Decalin, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	28.79 ng	5405520	Naphthalene-d8	7.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	83
2	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	50
3	Pulegone	152	C10H16O	000089-82-7	50
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	49
5	2,4-Decadienal	152	C10H16O	002363-88-4	42





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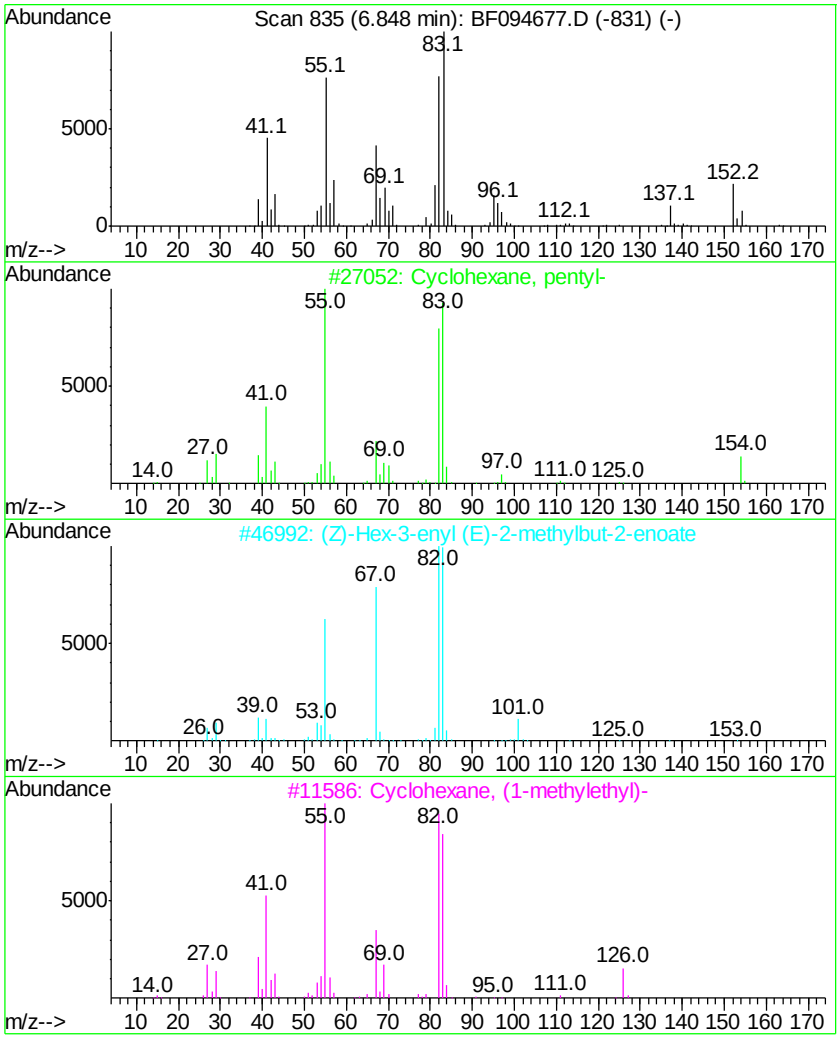
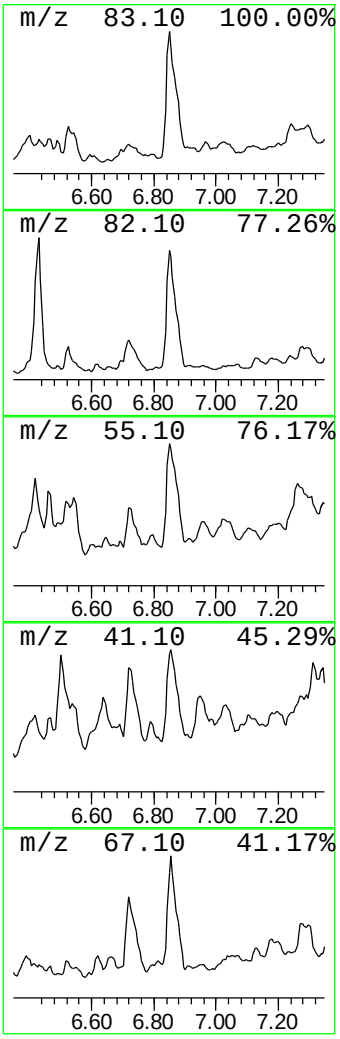
Peak Number 18 Cyclohexane, pentyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.85	29.48 ng	5535750	Naphthalene-d8	7.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
2	(Z)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	1000373-73-0	50
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	47
4	Cyclohexane, eicosyl-	364	C26H52	004443-55-4	47
5	1H-Pyrrole, 2,3-dihydro-1-methyl-	83	C5H9N	033838-11-8	47





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Data File : BF094677.D
Acq On : 27 Apr 2017 21:30
Operator : SJ/MA
Sample : I2859-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UT-W

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

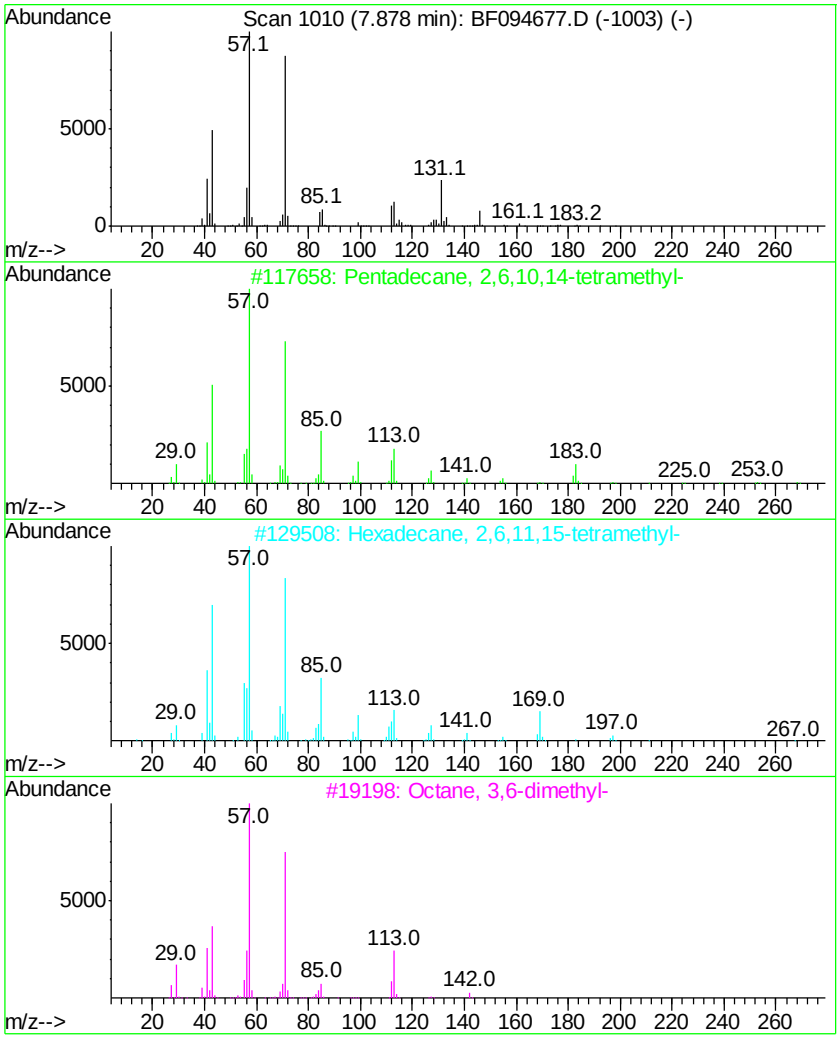
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

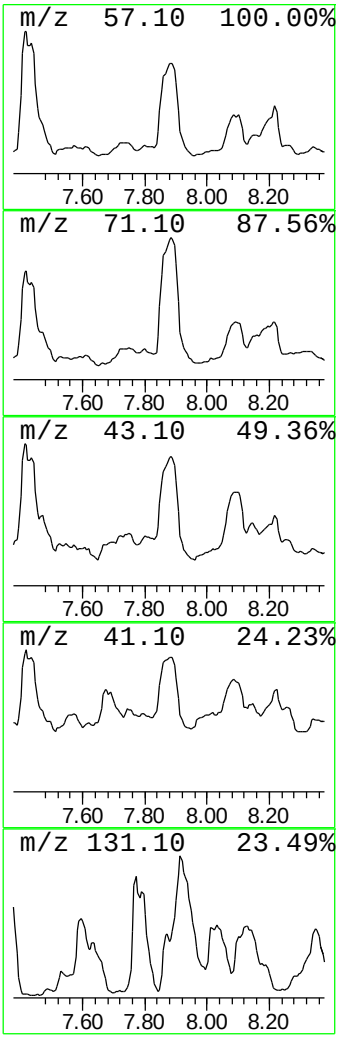
****

Peak Number 19 Pentadecane, 2,6,10,14-tetr... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	24.85 ng	4666950	Naphthalene-d8	7.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	64
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
4	2-Undecene, 5-methyl-	168	C12H24	056851-34-4	59
5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042717\
Data File : BF094677.D
Acq On : 27 Apr 2017 21:30
Operator : SJ/MA
Sample : I2859-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UT-W

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

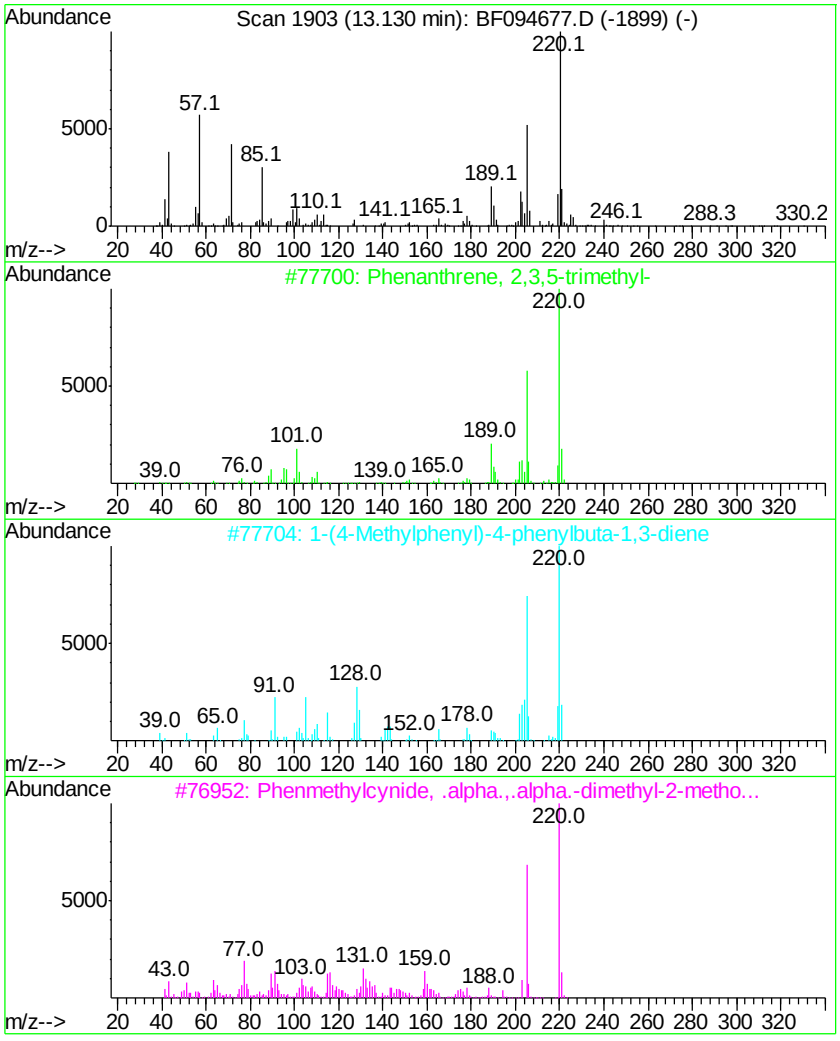
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

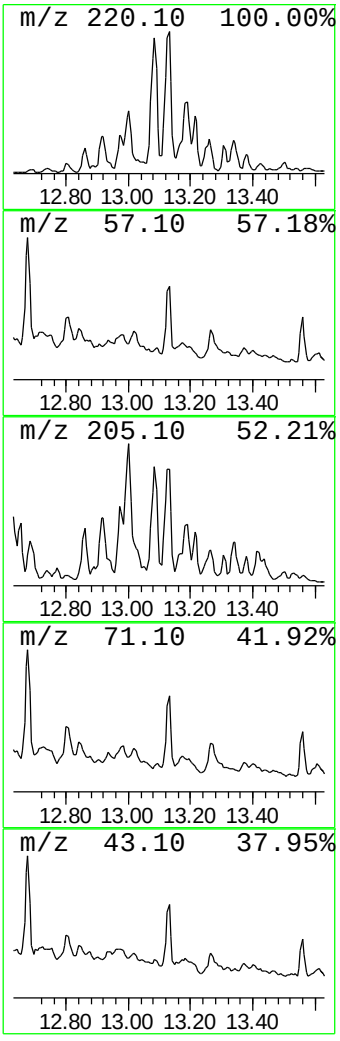
****

Peak Number 20 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	43.19 ng	2004040	Chrysene-d12	14.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	62
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	58
3	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	47
4	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	46
5	Heptadecane	240	C17H36	000629-78-7	44





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042717\
Data File : BF094677.D
Acq On : 27 Apr 2017 21:30
Operator : SJ/MA
Sample : I2859-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UT-W

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041717.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...	4.71	30.1	ng	1011130	1	5.77	671436	20.0
Methallylcyclohexane	4.85	50.1	ng	1681600	1	5.77	671436	20.0
unknown4.96	4.96	90.1	ng	3024320	1	5.77	671436	20.0
Heptane, 3-ethyl-...	5.02	28.5	ng	956536	1	5.77	671436	20.0
Undecane, 5,6-dim...	5.16	68.7	ng	2304910	1	5.77	671436	20.0
2-Octene, 2,6-dim...	5.25	27.7	ng	928530	1	5.77	671436	20.0
Nonane, 3-methyl-	5.33	42.0	ng	1410420	1	5.77	671436	20.0
Cyclohexane, 1-me...	5.49	69.2	ng	2322420	1	5.77	671436	20.0
unknown5.53	5.53	88.2	ng	2962280	1	5.77	671436	20.0
Octane, 3,5-dimet...	5.61	60.0	ng	2015850	1	5.77	671436	20.0
Benzene, 1,2-diet...	6.07	64.6	ng	2168750	1	5.77	671436	20.0
Decane, 5-methyl-	6.12	27.9	ng	936673	1	5.77	671436	20.0
Benzene, 1,2,3,4-...	6.15	48.3	ng	1622080	1	5.77	671436	20.0
Naphthalene, deca...	6.23	60.2	ng	2022480	1	5.77	671436	20.0
Hexadecane	6.50	75.1	ng	2522360	1	5.77	671436	20.0
trans-Decalin, 2-...	6.72	28.8	ng	5405520	2	7.28	3755530	20.0
Cyclohexane, pentyl-	6.85	29.5	ng	5535750	2	7.28	3755530	20.0
Pentadecane, 2,6,...	7.88	24.9	ng	4666950	2	7.28	3755530	20.0
Phenanthrene, 2,3...	13.13	43.2	ng	2004040	5	14.48	927930	20.0