LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098667.D
Acq On : 20 Sep 2017 18:32
Operator : SJ/JU
Sample : I5281-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-5

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-BF091117.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	4.781	456	458	465	rBV	110052	142906	4.59%	0.374%
2	5.222	530	533	547	rBV	1150044	1305508	41.94%	3.416%
3	5.910	647	650	652	rBV	54884	49840	1.60%	0.130%
4	6.040	668	672	676	rBV4	36658	49796	1.60%	0.130%
5	6.134	682	688	690	rBV5	36568	55218	1.77%	0.144%
6	6.222	698	703	706	rBV3	42108	69429	2.23%	0.182%
7	6.275	709	712	723	rVB	757365	899838	28.91%	2.355%
8	6.392	728	732	741	rVV	2591341	2350929	75.53%	6.152%
9	6.469	741	745	747	rVV4	59955	60474	1.94%	0.158%
10	6.616	767	770	776	rVB	629066	680622	21.87%	1.781%
11	6.675	776	780	783	rBV4	78180	79493	2.55%	0.208%
12	6.740	788	791	793	rBV	78289	78141	2.51%	0.204%
13	6.775	793	797	800	rVV	2486704	2270502	72.95%	5.941%
14	6.851	803	810	812	rBV3	76150	123611	3.97%	0.323%
15	6.969	826	830	834	rBV2	103735	126390	4.06%	0.331%
16	7.004	834	836	839	rBV	137663	141602	4.55%	0.371%
17	7.092	847	851	855	rBV5	40317	60691	1.95%	0.159%
18	7.139	855	859	861	rBV5	98378	130096	4.18%	0.340%
19	7.192	864	868	871	rVV	1885443	1786226	57.39%	4.674%
20	7.216	871	872	876	rVB4	81130	67752	2.18%	0.177%
21	7.269	876	881	884	rVB5	143258	270609	8.69%	0.708%
22	7.310	884	888	889	rBV2	134727	147887	4.75%	0.387%
23	7.375	896	899	901	rBV3	64185	84739	2.72%	0.222%
24	7.404	901	904	905	rVV2	204576	189948	6.10%	0.497%
25	7.422	905	907	910	rVB	360707	312201	10.03%	0.817%
26	7.457	911	913	915	rBV2	58615	57779	1.86%	0.151%
27	7.510	919	922	924	rBV	149115	164890	5.30%	0.431%
28	7.539	924	927	931	rVB2	289117	312961	10.05%	0.819%
29	7.587	931	935	937	rBV3	152364	172241	5.53%	0.451%
30	7.669	943	949	950	rBV4	111554	179924	5.78%	0.471%
31	7.728	954	959	963	rBV5	233622	324851	10.44%	0.850%
32	7.787	963	969	971	rBV6	161854	280462	9.01%	0.734%
33	7.810	971	973	975	rVB3	124699	91061	2.93%	0.238%
34	7.845	976	979	980	rBV2	178124	183431	5.89%	0.480%

LSC Area Percent Report

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Acq On : 20 Sep 2017 18:32
Operator : SJ/JU
Sample : I5281-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-5

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-BF091117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.904	986	989	992	rVB	1010442	829055	26.64%	2.169%
36	7.934	992	994	996	rBV2	267616	225772	7.25%	0.591%
37	7.975	999	1001	1003	rVB	561102	400822	12.88%	1.049%
38	7.998	1003	1005	1007	rBV3	142167	153237	4.92%	0.401%
39	8.069	1014	1017	1019	rBV3	128173	127274	4.09%	0.333%
40	8.110	1021	1024	1027	rBV3	266792	221595	7.12%	0.580%
41	8.139	1027	1029	1031	rBV2	124046	93003	2.99%	0.243%
42	8.198	1034	1039	1042	rBV5	304139	550102	17.67%	1.439%
43	8.257	1046	1049	1052	rBV4	222154	221078	7.10%	0.578%
44	8.292	1052	1055	1058	rBV3	290664	267564	8.60%	0.700%
45	8.334	1059	1062	1064	rBV	526796	580489	18.65%	1.519%
46	8.404	1072	1074	1078	rVB3	234651	217202	6.98%	0.568%
47	8.445	1078	1081	1083	rBV3	348957	363639	11.68%	0.952%
48	8.498	1088	1090	1092	rBV	198526	203392	6.53%	0.532%
49	8.598	1104	1107	1110	rVB2	709978	837559	26.91%	2.192%
50	8.645	1113	1115	1117	rBV2	181581	131521	4.23%	0.344%
51	8.686	1119	1122	1123	rBV3	229835	247988	7.97%	0.649%
52	8.763	1133	1135	1137	rBV2	200551	164949	5.30%	0.432%
53	8.786	1137	1139	1141	rVV	498272	431428	13.86%	1.129%
54	8.816	1141	1144	1148	rVB	877091	896477	28.80%	2.346%
55	8.892	1152	1157	1159	rBV4	382127	598092	19.22%	1.565%
56	8.933	1162	1164	1167	rVV	659961	668980	21.49%	1.751%
57	8.986	1169	1173	1176	rVB	3419590	3112548	100.00%	8.145%
58	9.063	1183	1186	1187	rBV	555333	482726	15.51%	1.263%
59	9.081	1187	1189	1191	rVB2	620493	504532	16.21%	1.320%
60	9.257	1217	1219	1221	rBV	596124	546739	17.57%	1.431%
61	9.392	1239	1242	1244	rVB2	1630445	1395649	44.84%	3.652%
62	9.416	1244	1246	1249	rVB2	644113	648417	20.83%	1.697%
63	9.475	1254	1256	1260	rVB3	539593	532439	17.11%	1.393%
64	9.569	1269	1272	1275	rVB2	939499	979174	31.46%	2.562%
65	9.639	1281	1284	1286	rBV	918126	852286	27.38%	2.230%
66	9.663	1286	1288	1290	rVB	967095	767177	24.65%	2.007%
67	9.704	1293	1295	1297	rBV2	495115	435284	13.98%	1.139%
68	9.928	1331	1333	1336	rVB	858606	644170	20.70%	1.686%
69	10.433	1417	1419	1421	rBV2	662530	639473	20.55%	1.673%
70	10.463	1421	1424	1426	rVV	1002940	982690	31.57%	2.571%
71	11.151	1539	1541	1546	rBV3	712315	958330	30.79%	2.508%

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Instrument : BNA_F
ClientSampleId : MW-5

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.733	1806	1810	1813	rBV	2006830	1907803	61.29%	4.992%
73	13.780	1985	1988	1992	rVB	603071	506832	16.28%	1.326%
74	15.174	2221	2225	2232	rVB	492280	586370	18.84%	1.534%

Sum of corrected areas: 38215905

LSC Report - Integrated Chromatogram

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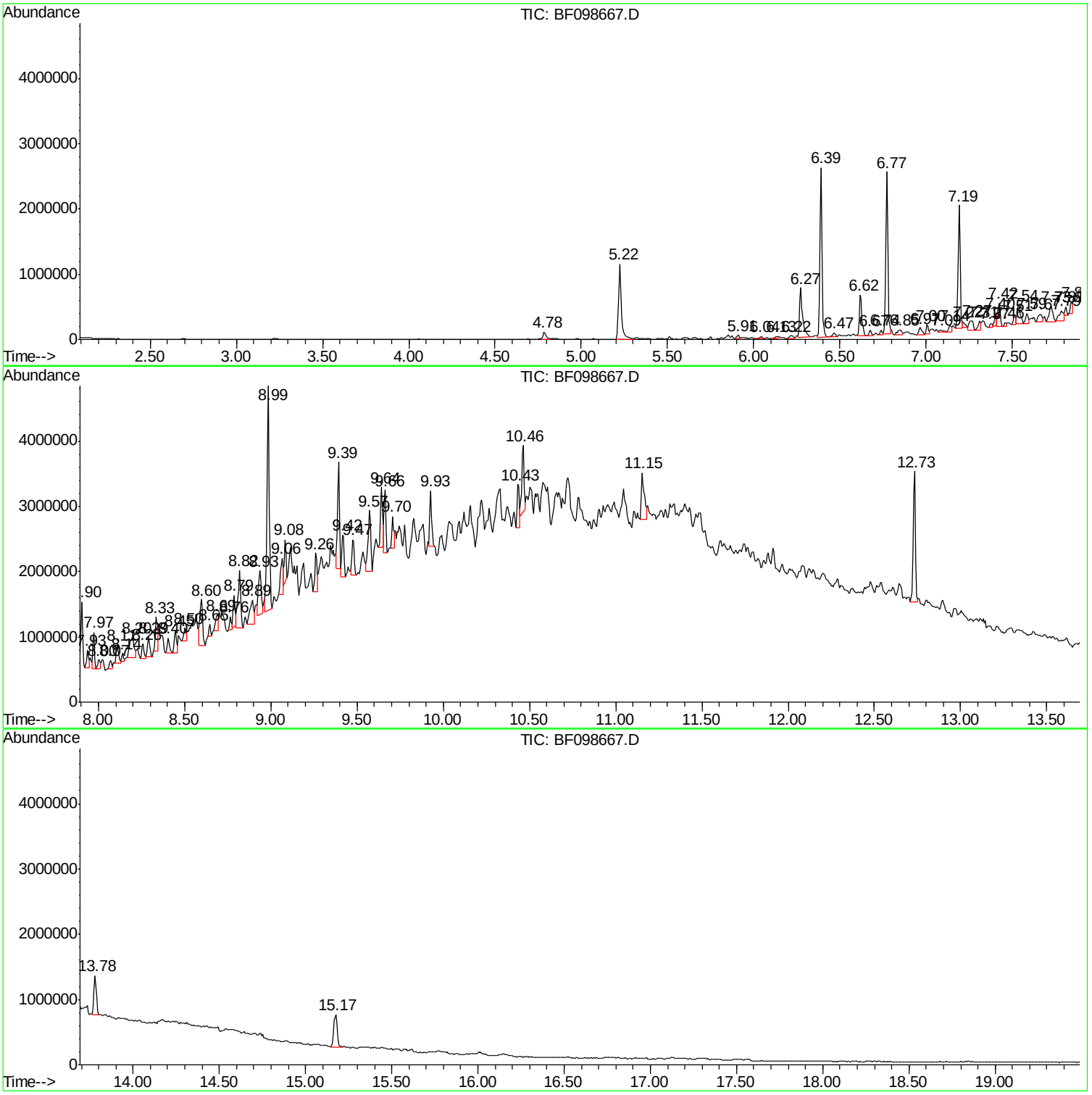
Sample : I5281-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098667.D
Acq On : 20 Sep 2017 18:32
Operator : SJ/JU
Sample : I5281-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

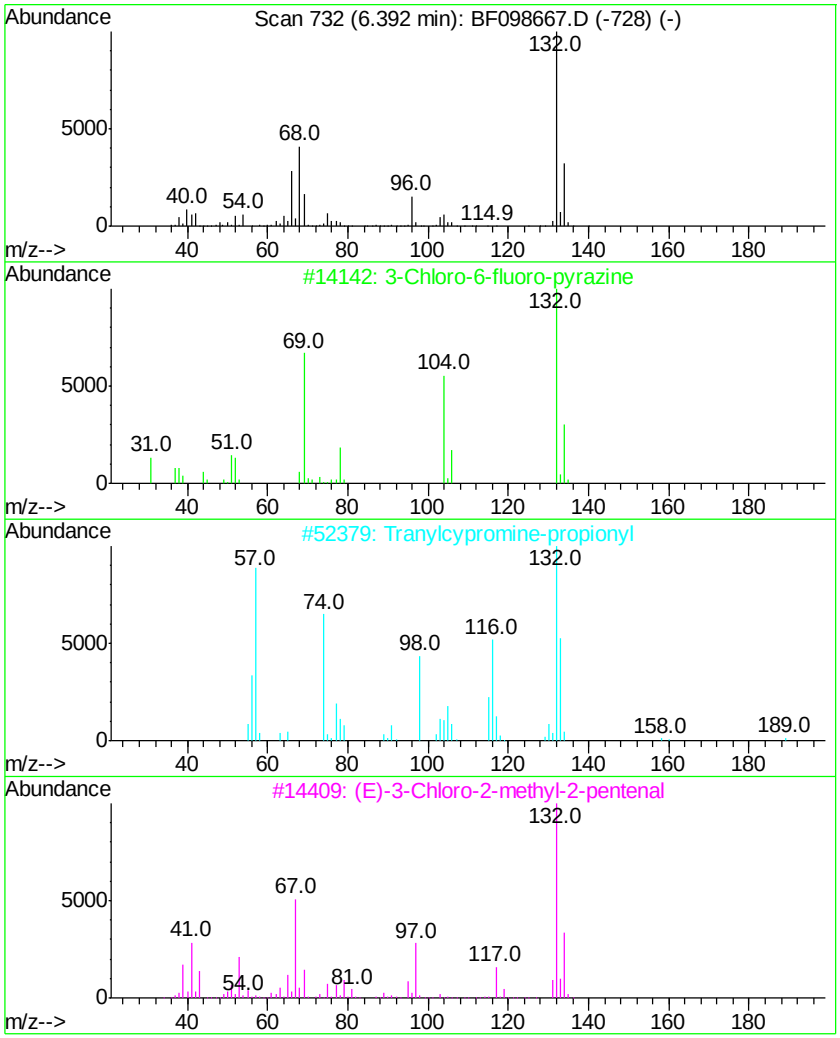
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

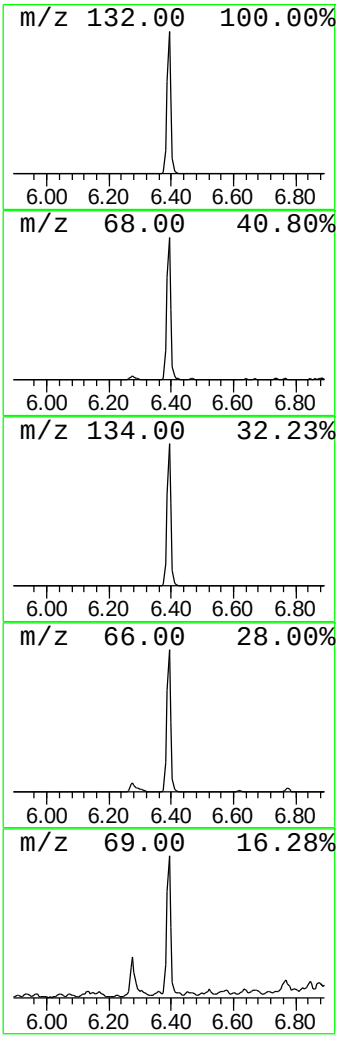
****

Peak Number 1 unknown6.39 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	69.08 ng	2350930	1,4-Dichlorobenzene-d4	6.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
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Acq On : 20 Sep 2017 18:32
Operator : SJ/JU
Sample : I5281-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

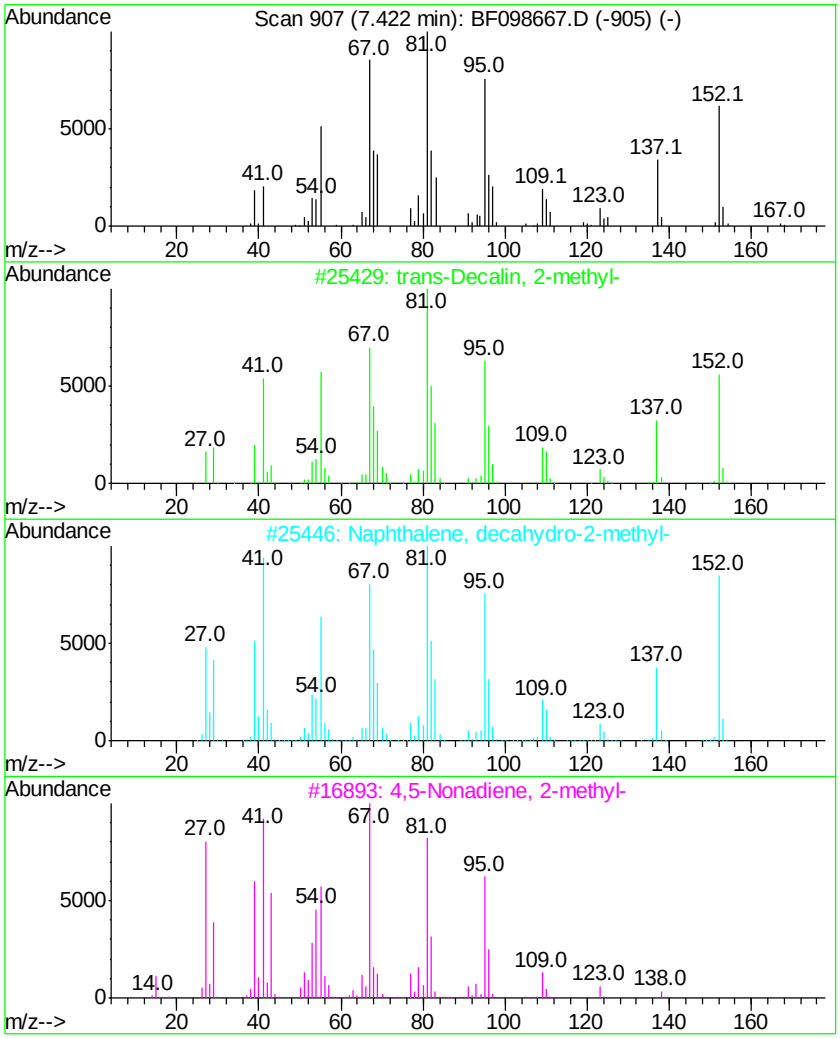
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

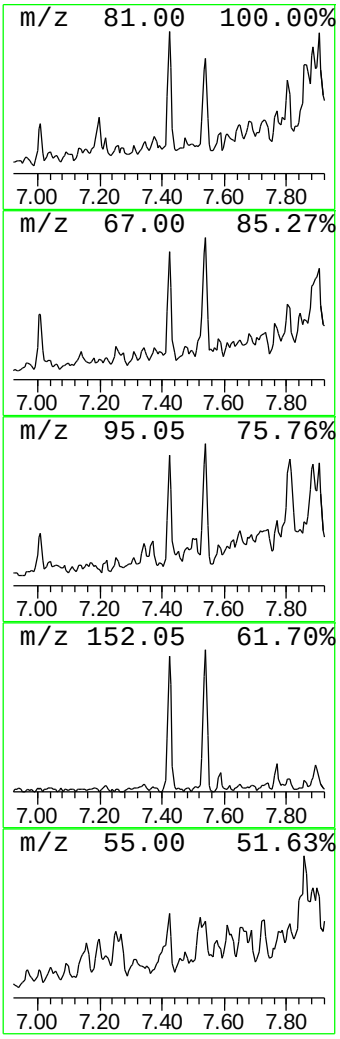
****

Peak Number 3 trans-Decalin, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	7.53 ng	312201	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	96
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95
3	4,5-Nonadiene, 2-methyl-	138	C10H18	055956-32-6	70
4	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	70
5	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	60





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098667.D
Acq On : 20 Sep 2017 18:32
Operator : SJ/JU
Sample : I5281-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

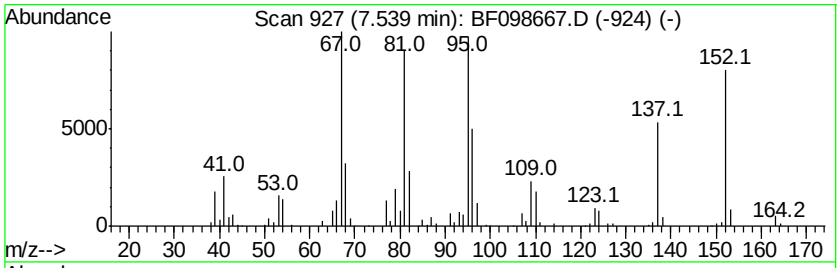
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

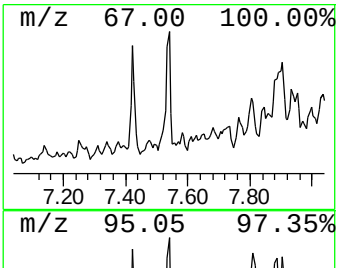
****

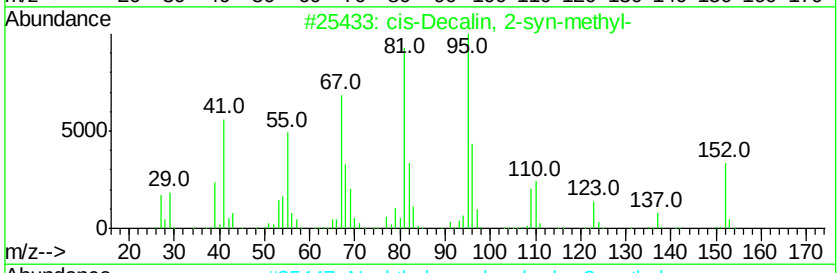
Peak Number 4 cis-Decalin, 2-syn-methyl- Concentration Rank 19

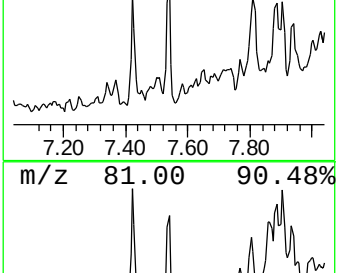
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	7.55 ng	312961	Naphthalene-d8	7.90

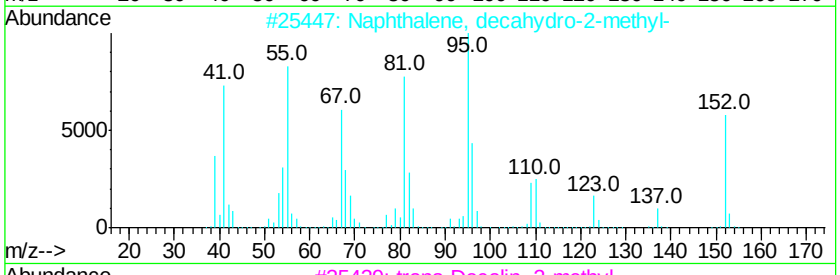
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	91
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	70
4	Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	49
5	Cyclohexene, 3-pentyl-	152	C11H20	015232-92-5	49

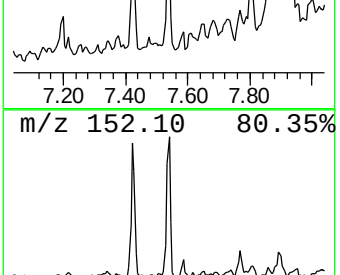


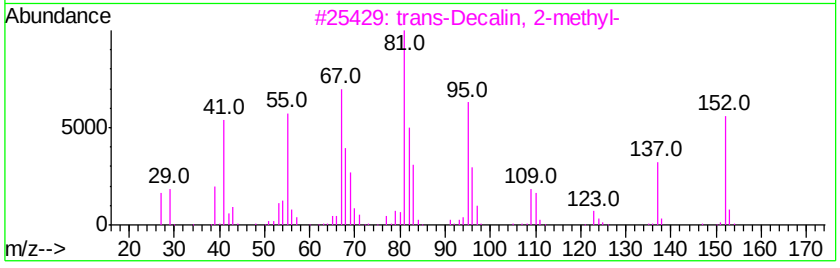


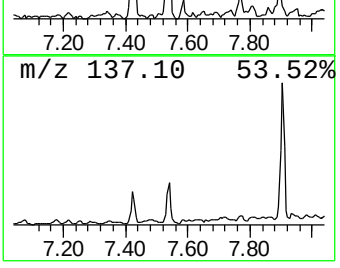












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Instrument : BNA_F
ClientSampleId : MW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

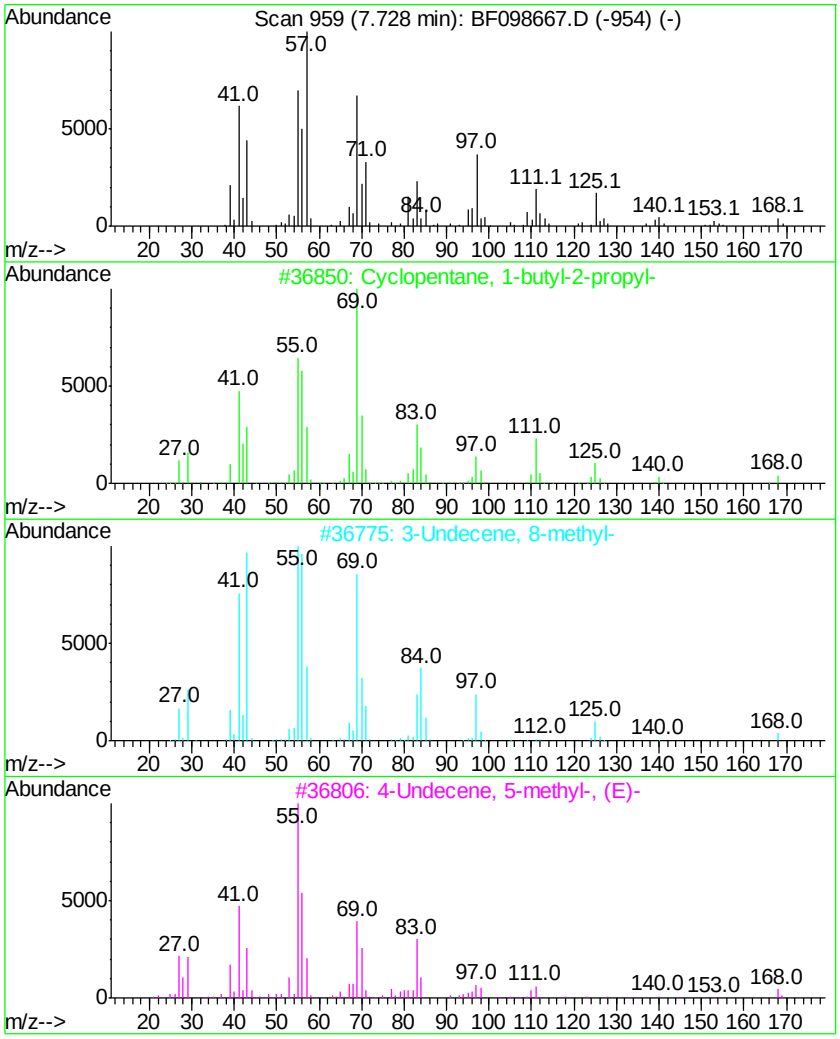
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

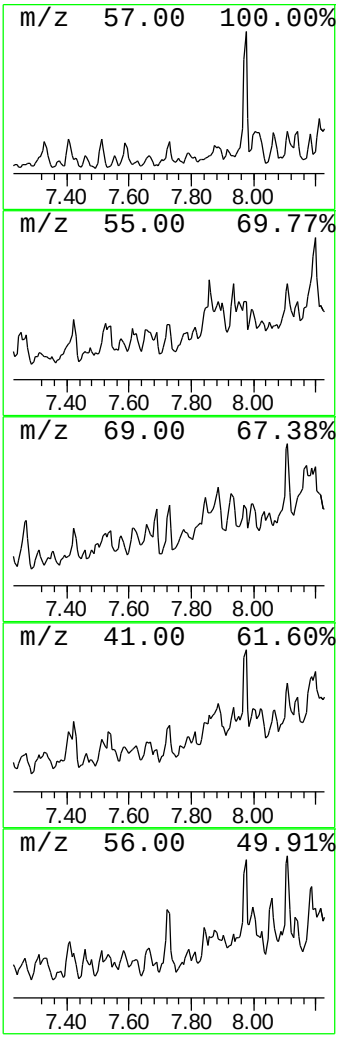
****

Peak Number 5 Cyclopentane, 1-butyl-2-pro... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	7.84 ng	324851	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-butyl-2-propyl-	168	C12H24	062199-50-2	78
2	3-Undecene, 8-methyl-	168	C12H24	1000061-84-4	49
3	4-Undecene, 5-methyl-, (E)-	168	C12H24	041851-94-9	46
4	4-Dodecene, (E)-	168	C12H24	007206-15-7	46
5	2-Decene, 7-methyl-, (Z)-	154	C11H22	074630-23-2	46





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Sample : I5281-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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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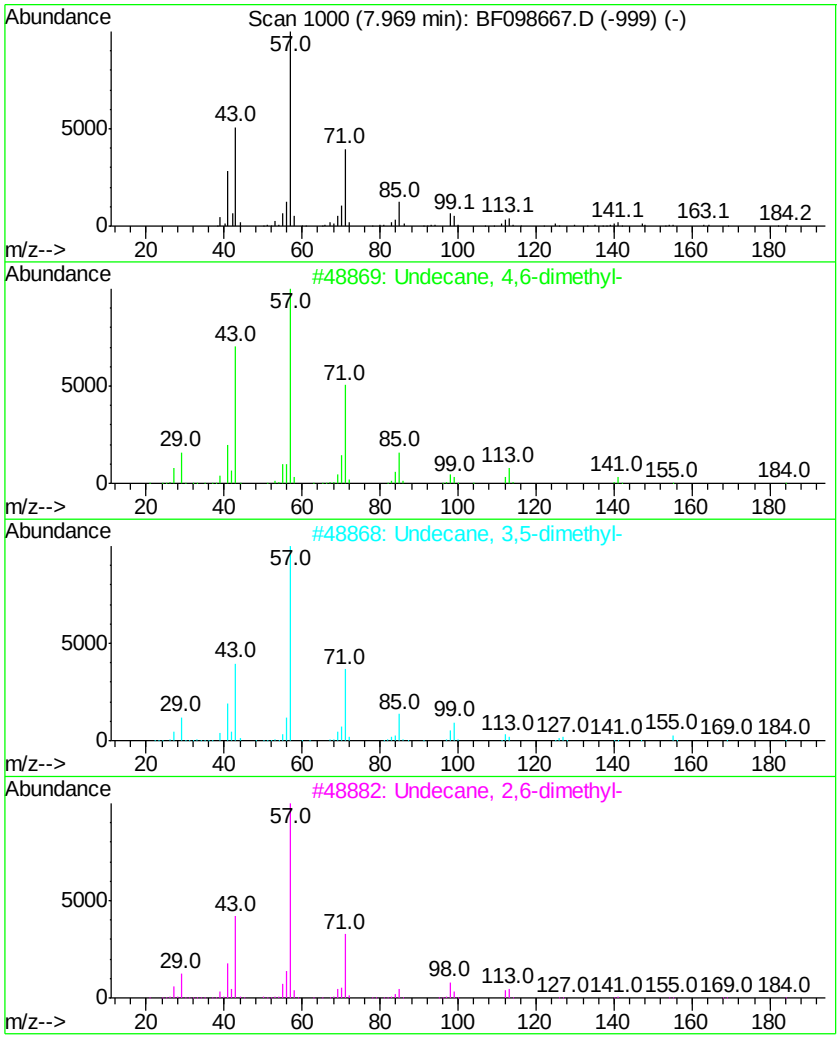
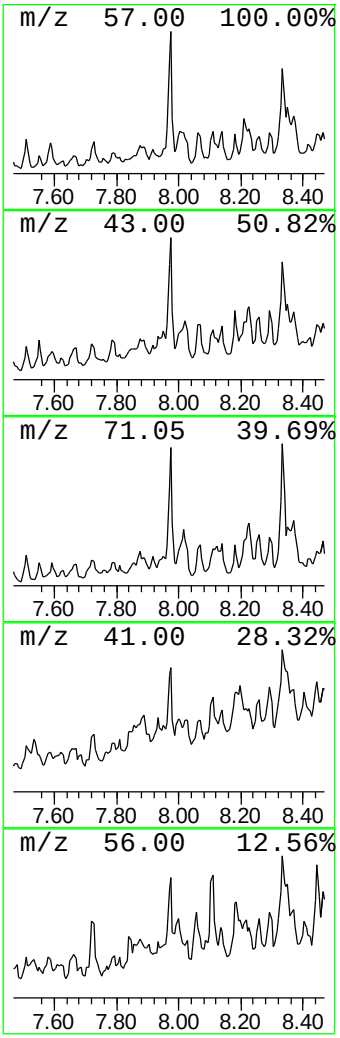
Peak Number 6 Undecane, 4,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	9.67 ng	400822	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	91
2	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	87
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	74
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	72
5	5-Ethyldecane	170	C12H26	017302-36-2	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098667.D
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Operator : SJ/JU
Sample : I5281-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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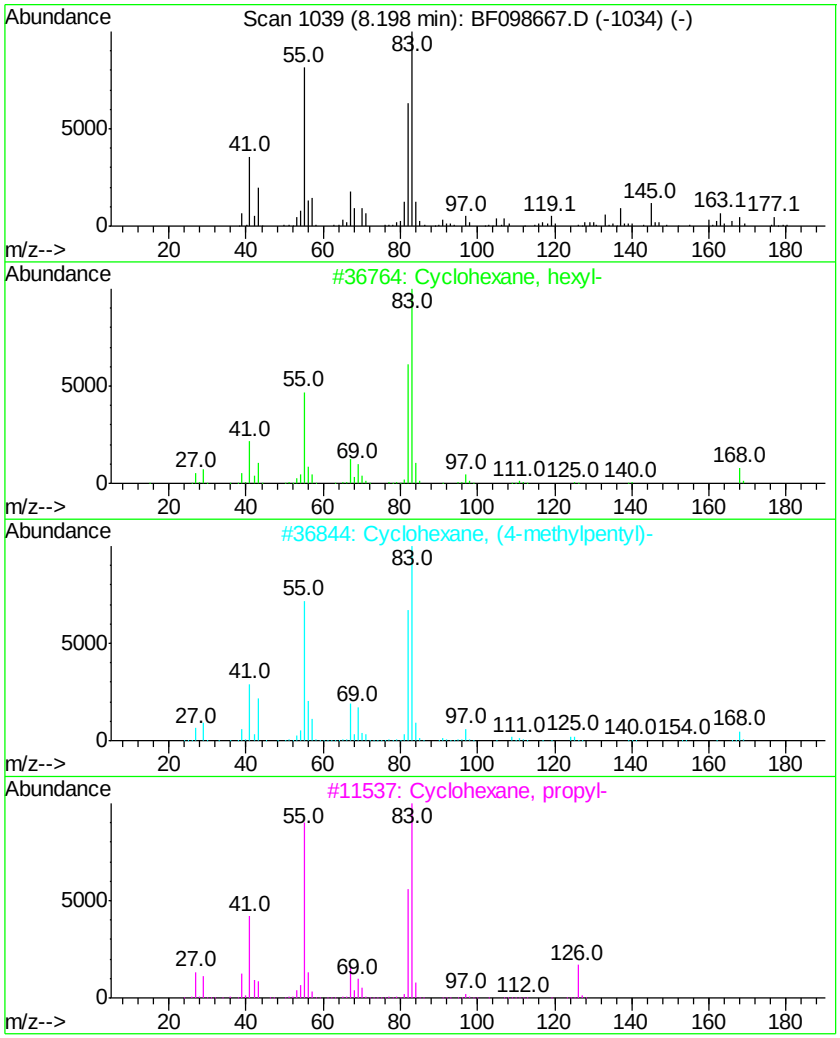
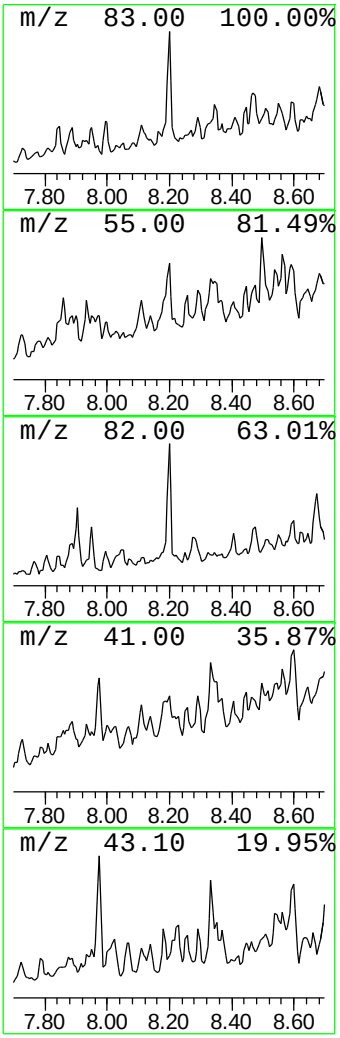
Peak Number 7 Cyclohexane, hexyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	13.27 ng	550102	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexyl-	168	C12H24	004292-75-5	74
2	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	72
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64





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Acq On : 20 Sep 2017 18:32
Operator : SJ/JU
Sample : I5281-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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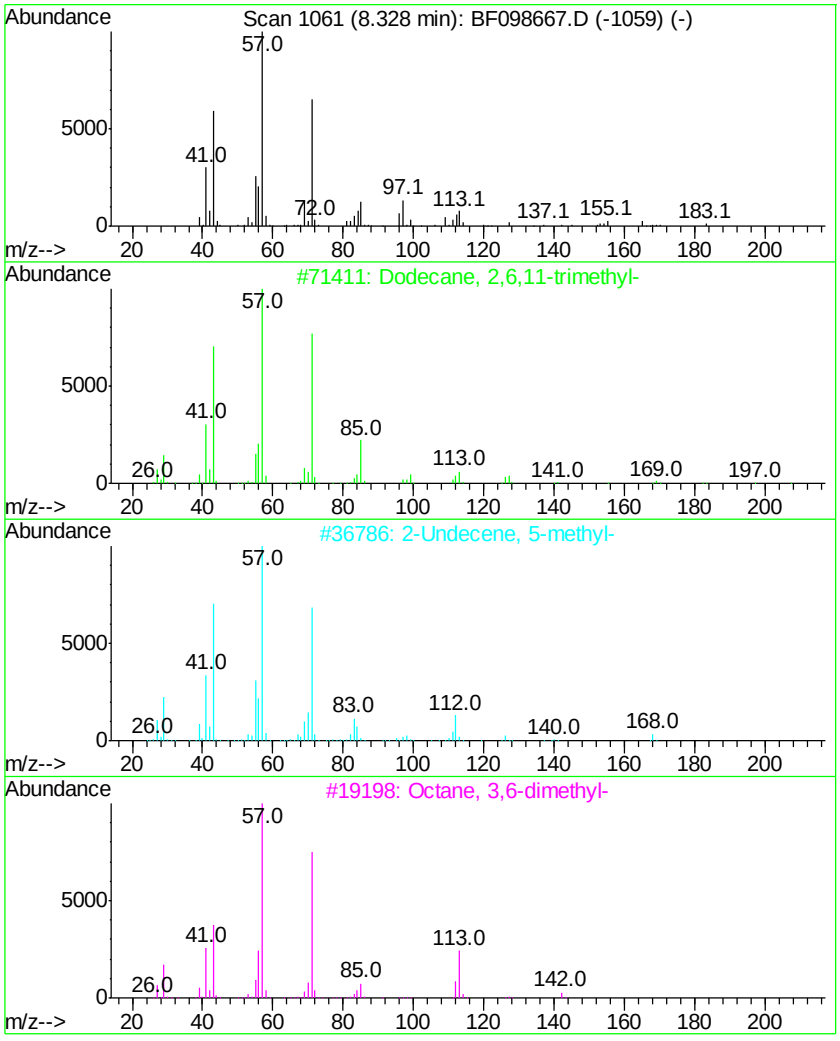
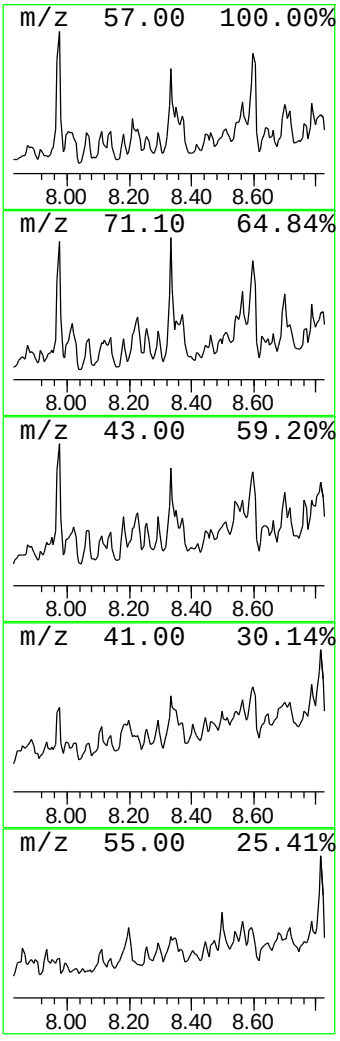
Peak Number 8 Dodecane, 2,6,11-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	14.00 ng	580489	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
2	2-Undecene, 5-methyl-	168	C12H24	056851-34-4	59
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	59
5	Heptane, 3-[(ethenyloxy)methyl]-	156	C10H20O	000103-44-6	59





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Instrument : BNA_F
ClientSampleId : MW-5

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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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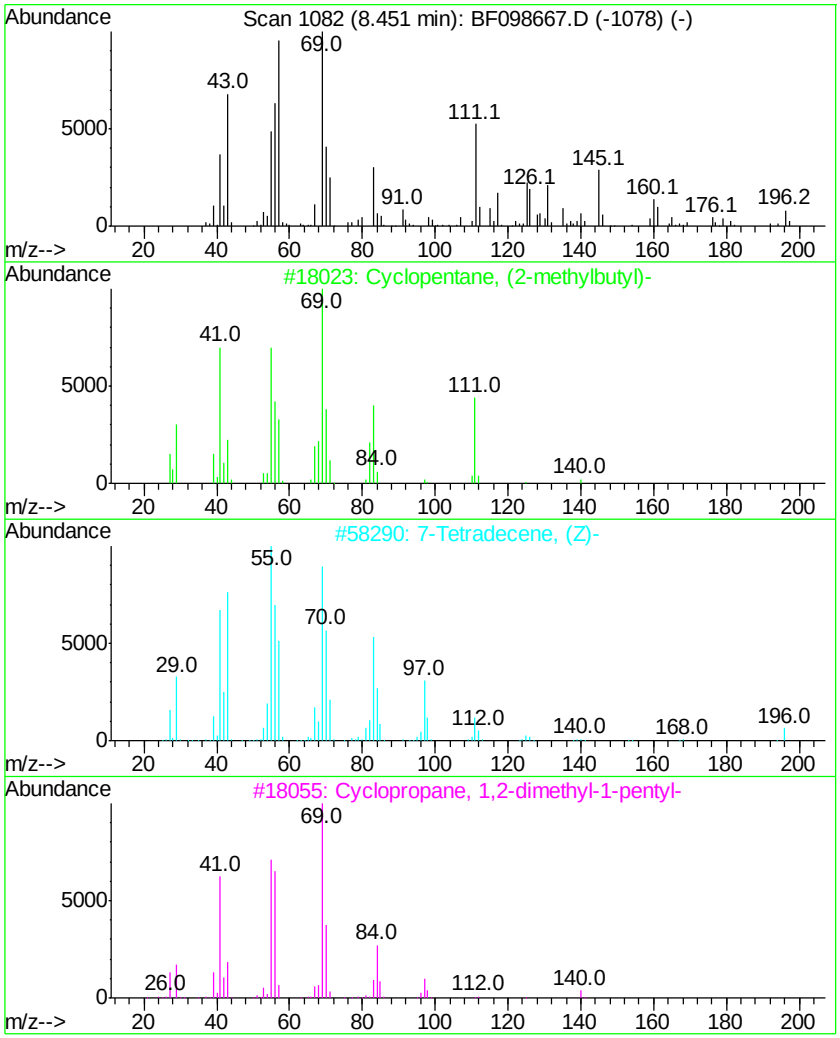
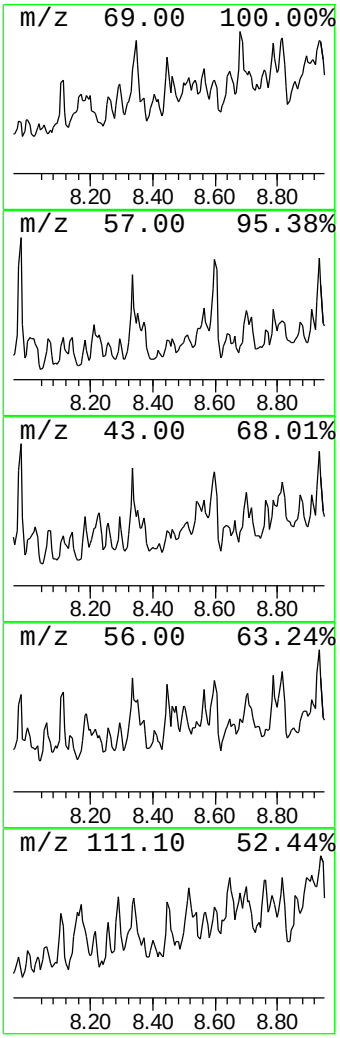
Peak Number 9 Cyclopentane, (2-methylbutyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	8.77 ng	363639	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	52
2	7-Tetradecene, (Z)-	196	C14H28	041446-60-0	49
3	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	49
4	2-Octene, 4-ethyl-, (E)-	140	C10H20	074630-09-4	49
5	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	46





Library Search Compound Report

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Misc :
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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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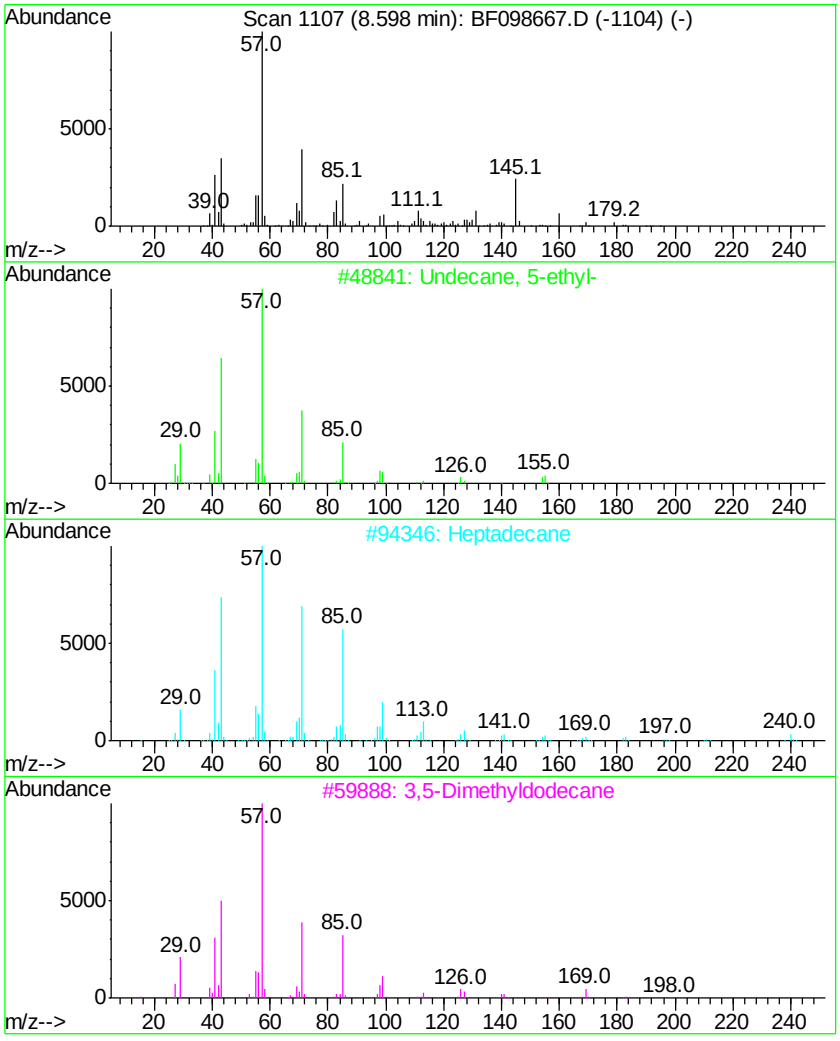
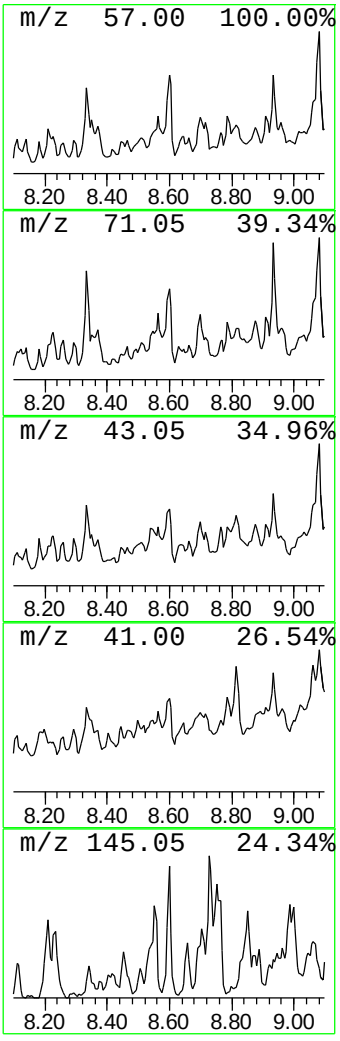
Peak Number 10 Undecane, 5-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	20.21 ng	837559	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-ethyl-	184	C13H28	017453-94-0	50
2	Heptadecane	240	C17H36	000629-78-7	50
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	50
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	50
5	Heptacosane	380	C27H56	000593-49-7	50





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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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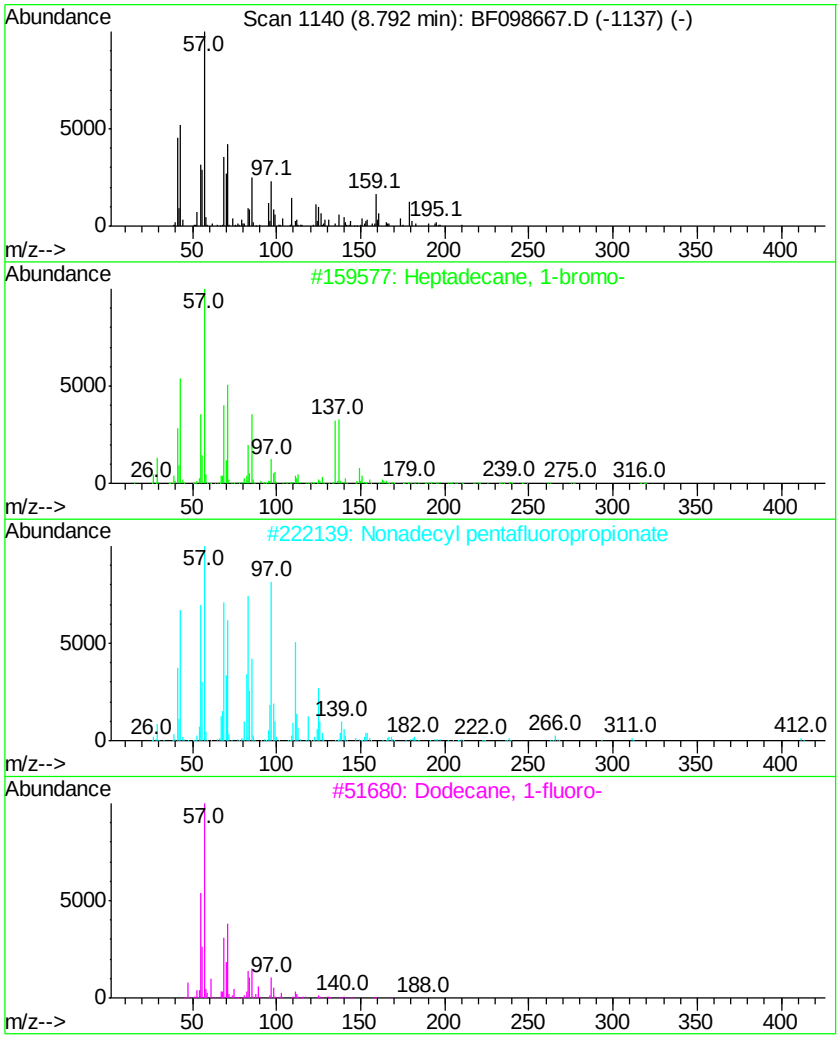
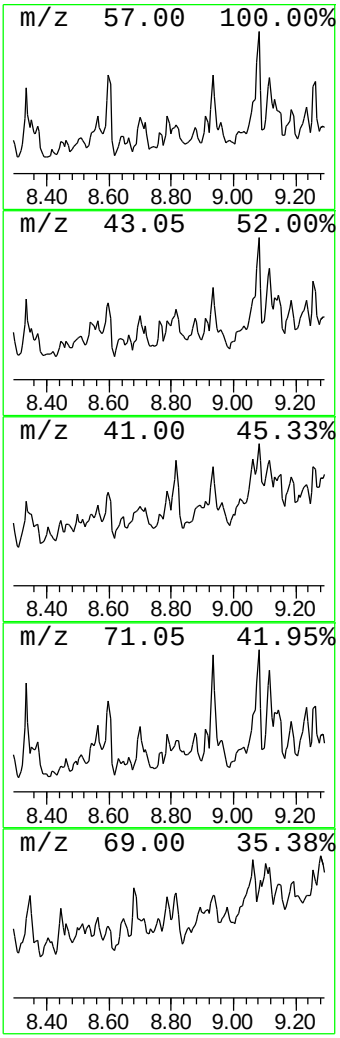
Peak Number 11 Heptadecane, 1-bromo- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.79	11.25 ng	431428	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 1-bromo-	318	C17H35Br	003508-00-7	38
2	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	35
3	Dodecane, 1-fluoro-	188	C12H25F	000334-68-9	35
4	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	35
5	6-Nitroundec-5-ene	199	C11H21NO2	1000192-40-3	22





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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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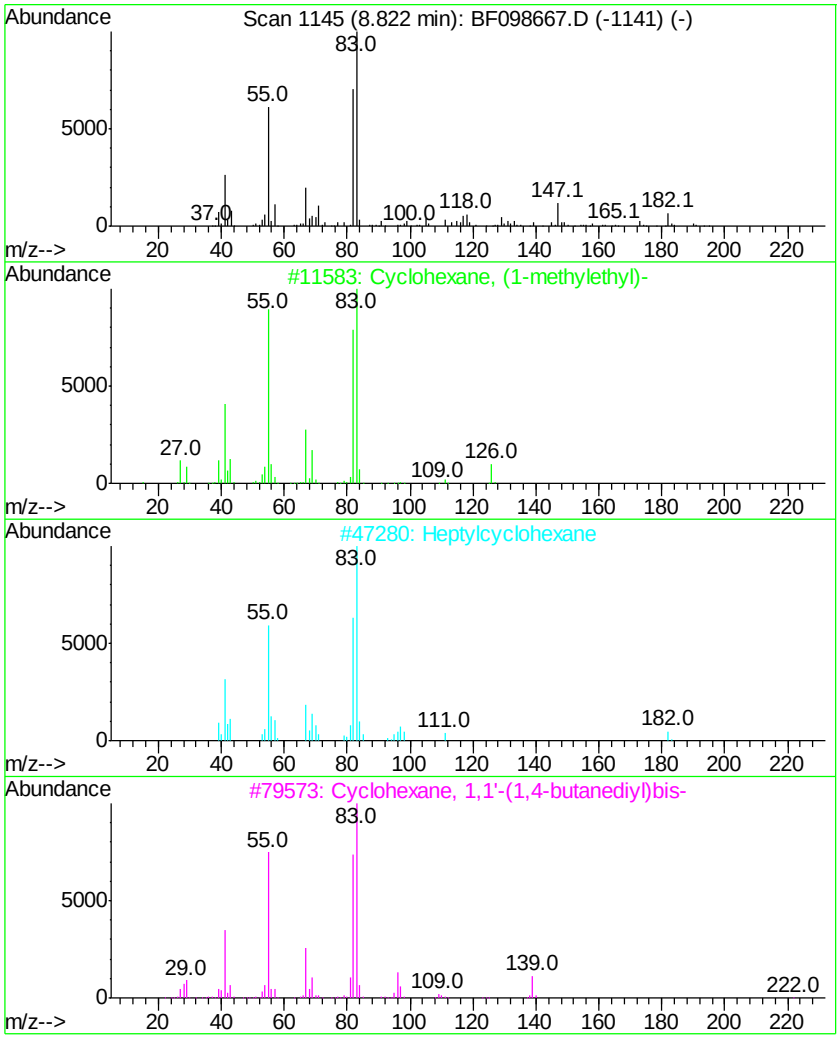
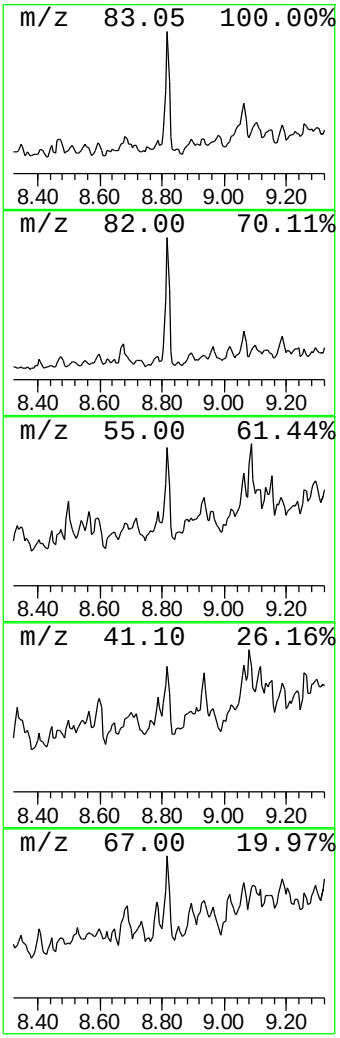
Peak Number 12 Cyclohexane, (1-methylethyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	23.37 ng	896477	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	80
2	Heptylcyclohexane	182	C13H26	005617-41-4	78
3	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	78
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	78
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	64





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Sample : I5281-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-5

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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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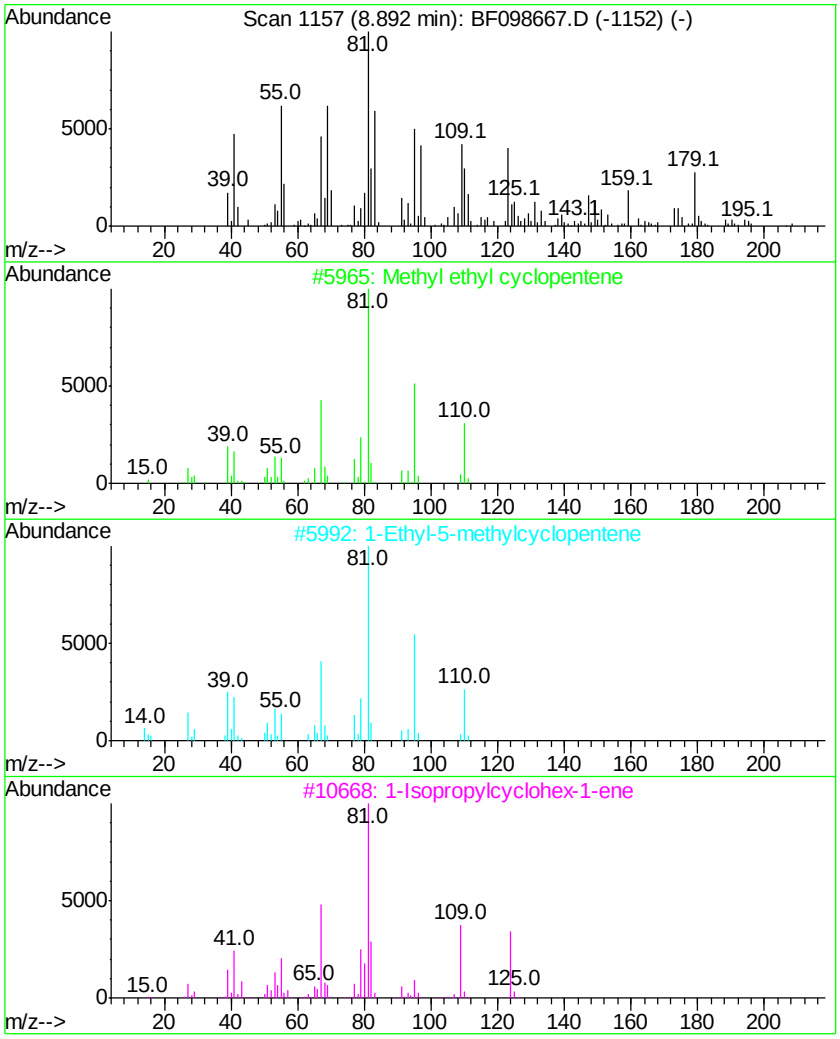
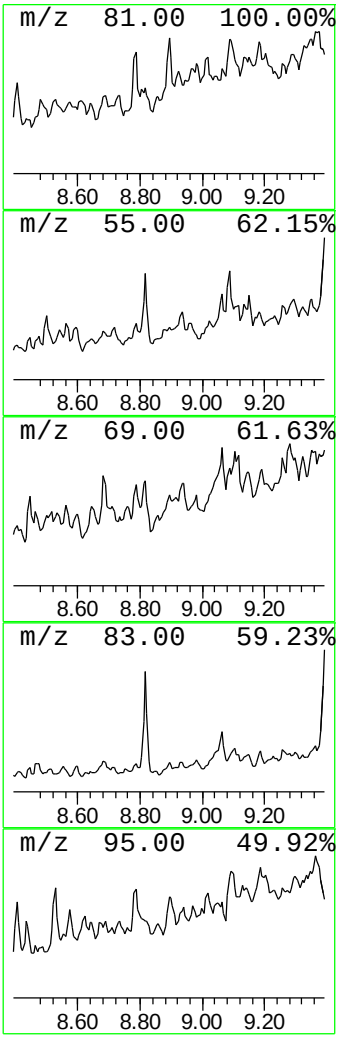
Peak Number 13 unknown8.89 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	15.59 ng	598092	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	45
2	1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	43
3	1-Isopropylcyclohex-1-ene	124	C9H16	004292-04-0	35
4	Cyclohexene,3-(1-methylpropyl)-	138	C10H18	015232-91-4	35
5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	30





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

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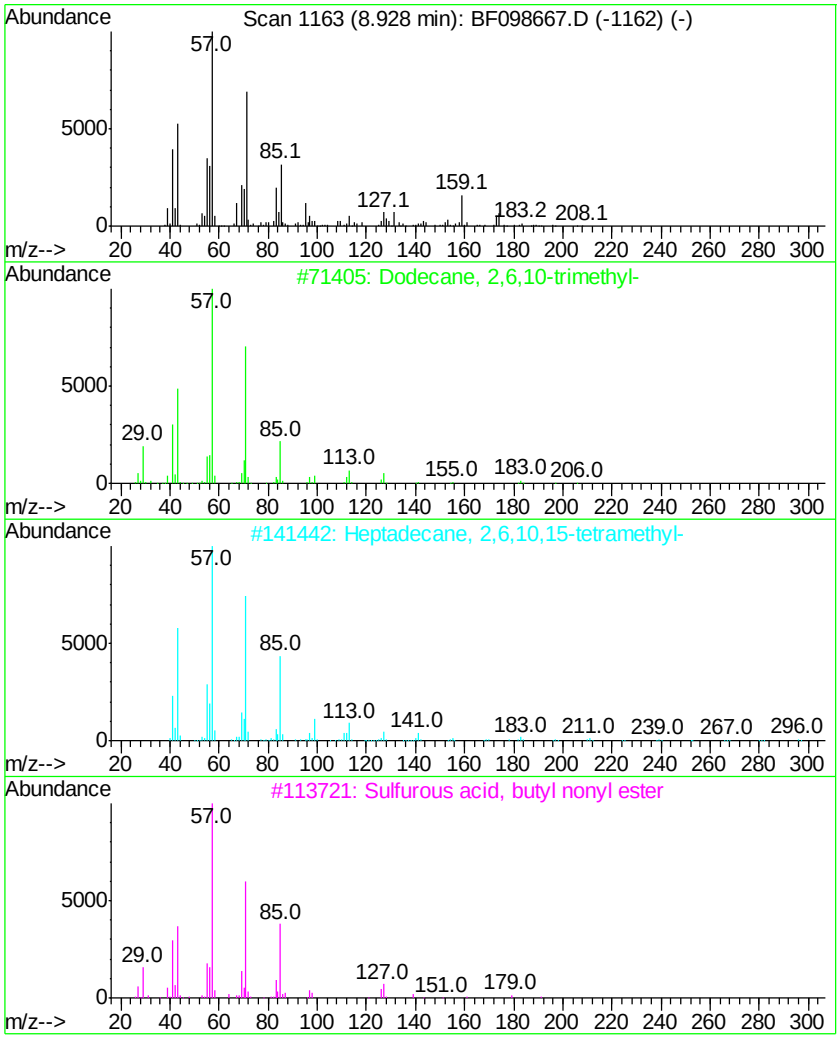
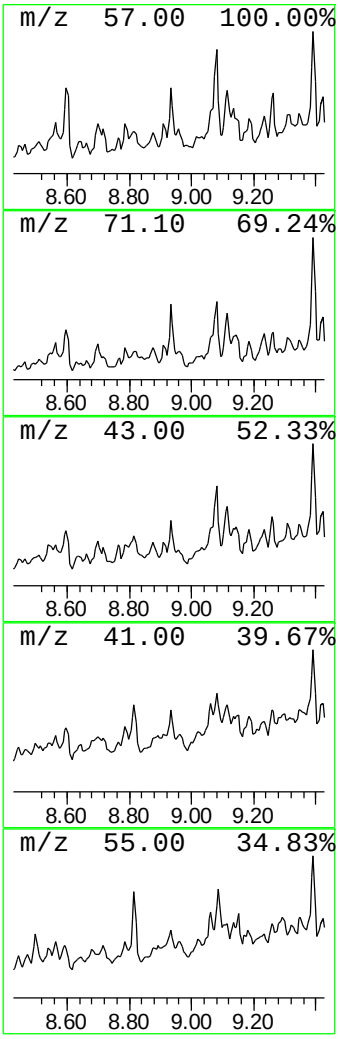
Peak Number 14 Dodecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	17.44 ng	668980	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
3	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	64
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	59





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
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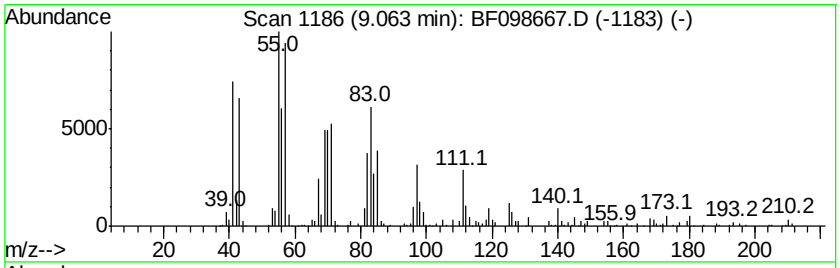
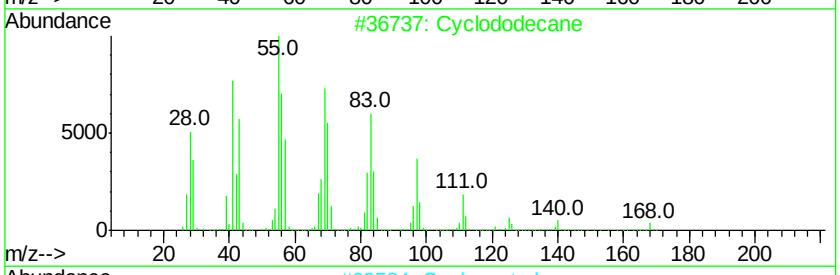
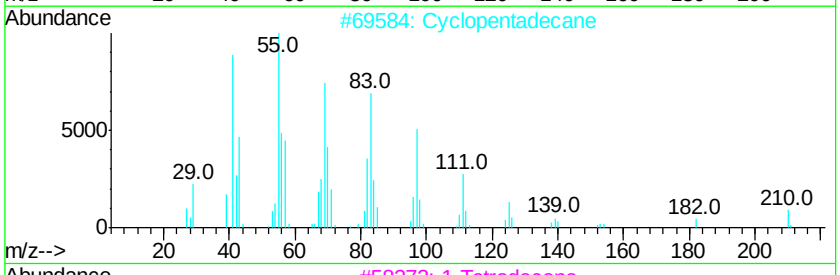
Peak Number 15 Cyclododecane Concentration Rank 14

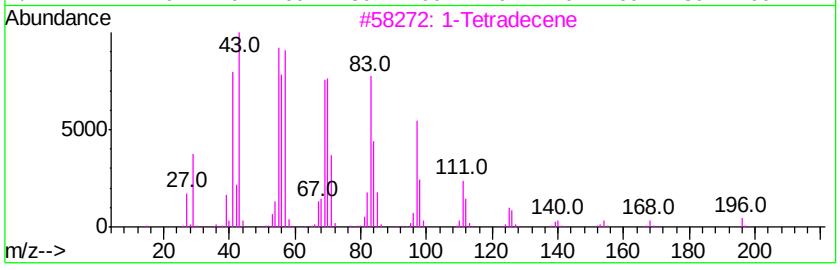
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	12.58 ng	482726	Acenaphthene-d10	9.66

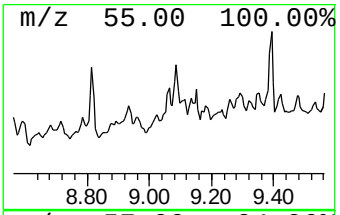
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclododecane	168	C12H24	000294-62-2	78
2	Cyclopentadecane	210	C15H30	000295-48-7	64
3	1-Tetradecene	196	C14H28	001120-36-1	58
4	1-Pentadecene	210	C15H30	013360-61-7	55
5	Cyclodecane	140	C10H20	000293-96-9	53

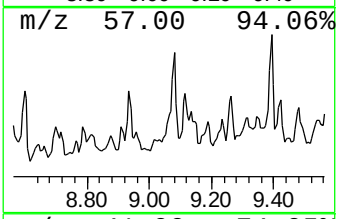


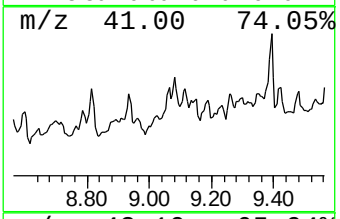


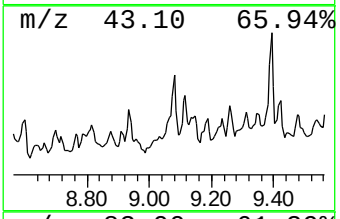


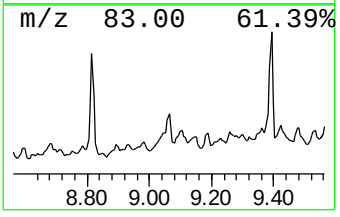












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Sample : I5281-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST11.L
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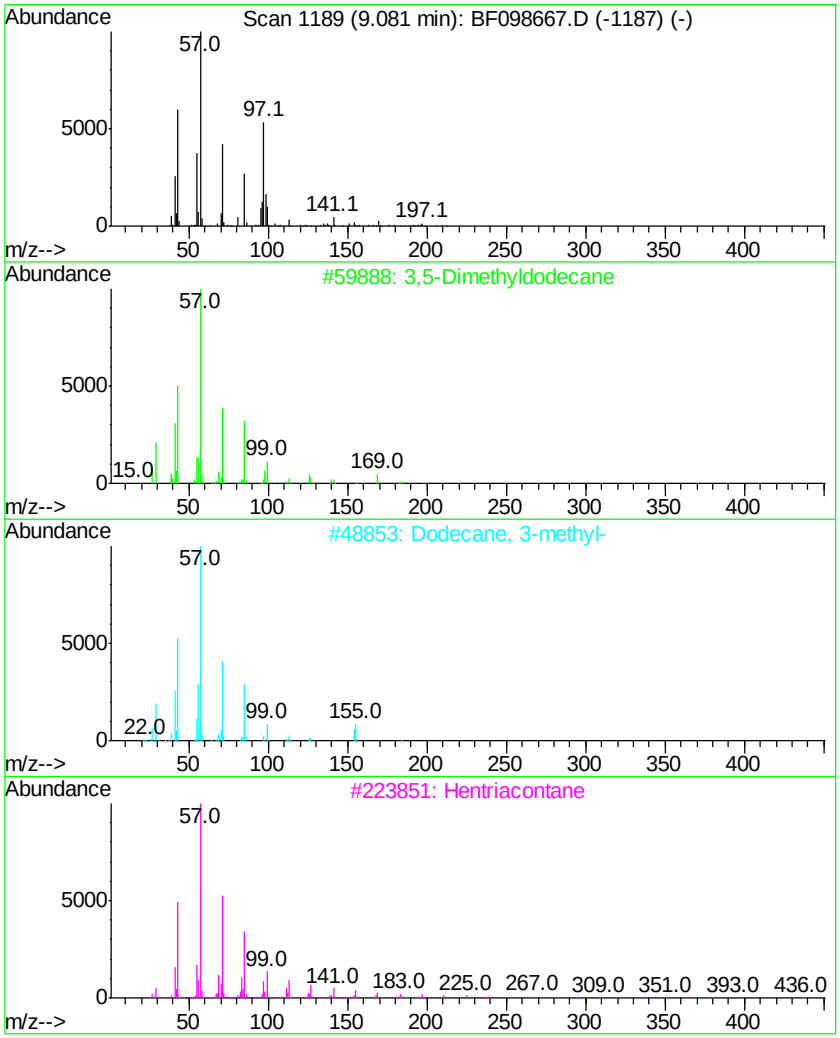
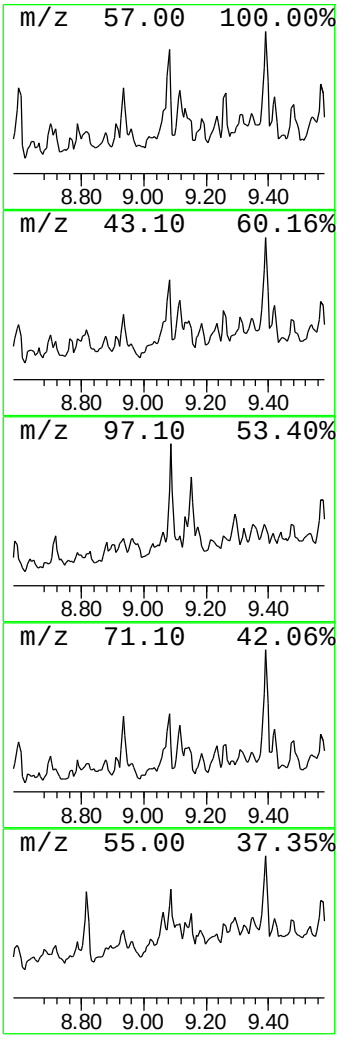
Peak Number 16 unknown9.08 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	13.15 ng	504532	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyldodecane	198	C14H30	107770-99-0	49
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	47
3	Hentriacontane	437	C31H64	000630-04-6	47
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	47
5	Octacosane	394	C28H58	000630-02-4	43





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Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST11.L
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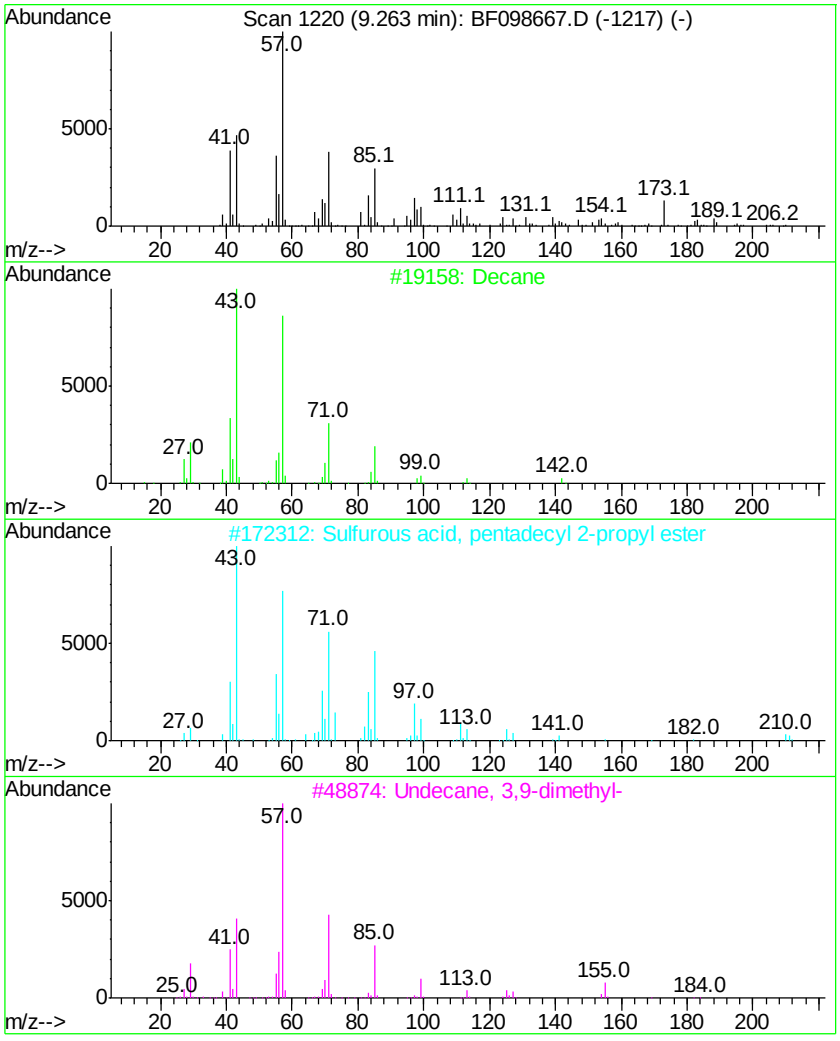
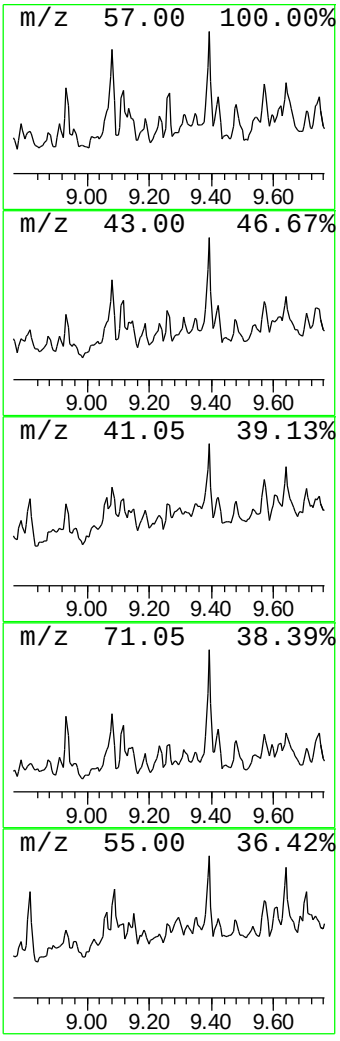
Peak Number 17 Decane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	14.25 ng	546739	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	55
2	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	52
3	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	49
4	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	49
5	Dotriacontane	451	C32H66	000544-85-4	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098667.D
Acq On : 20 Sep 2017 18:32
Operator : SJ/JU
Sample : I5281-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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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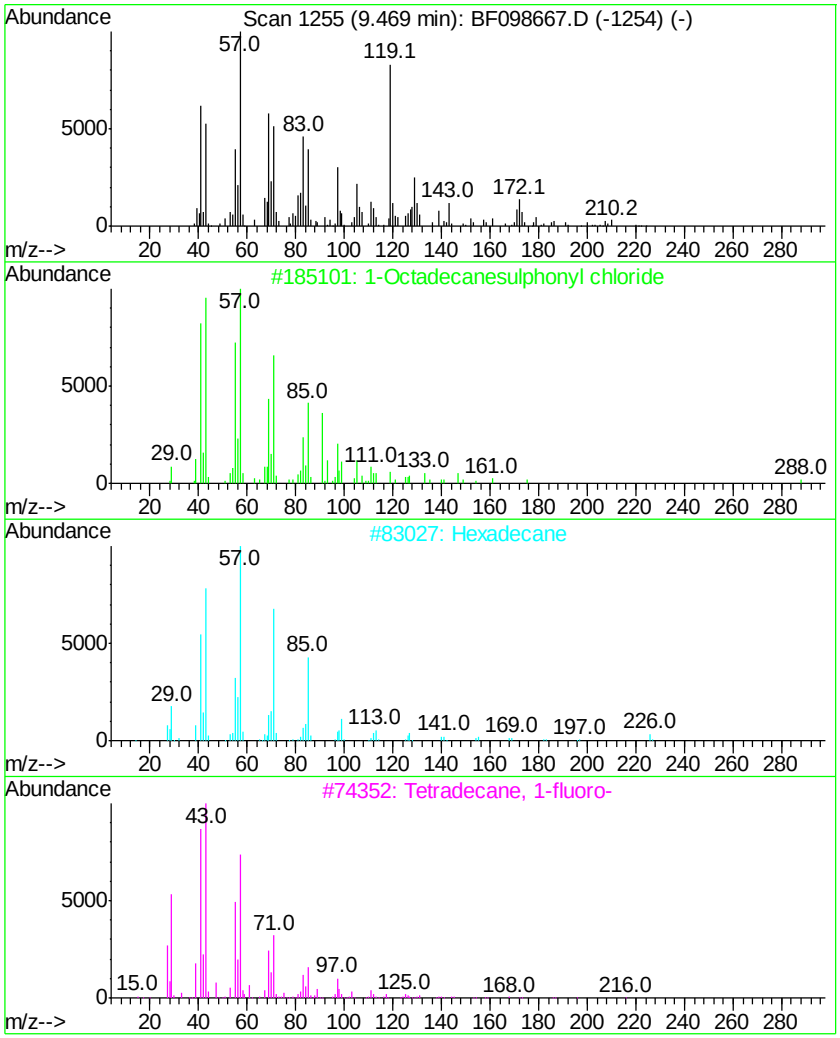
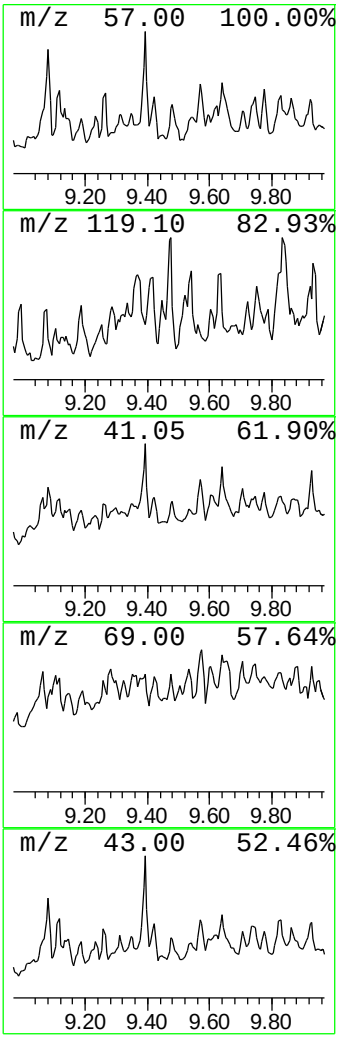
Peak Number 18 1-Octadecanesulphonyl chloride Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	13.88 ng	532439	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	52
2	Hexadecane	226	C16H34	000544-76-3	43
3	Tetradecane, 1-fluoro-	216	C14H29F	000593-33-9	43
4	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	38
5	Tetradecane	198	C14H30	000629-59-4	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
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Acq On : 20 Sep 2017 18:32
Operator : SJ/JU
Sample : I5281-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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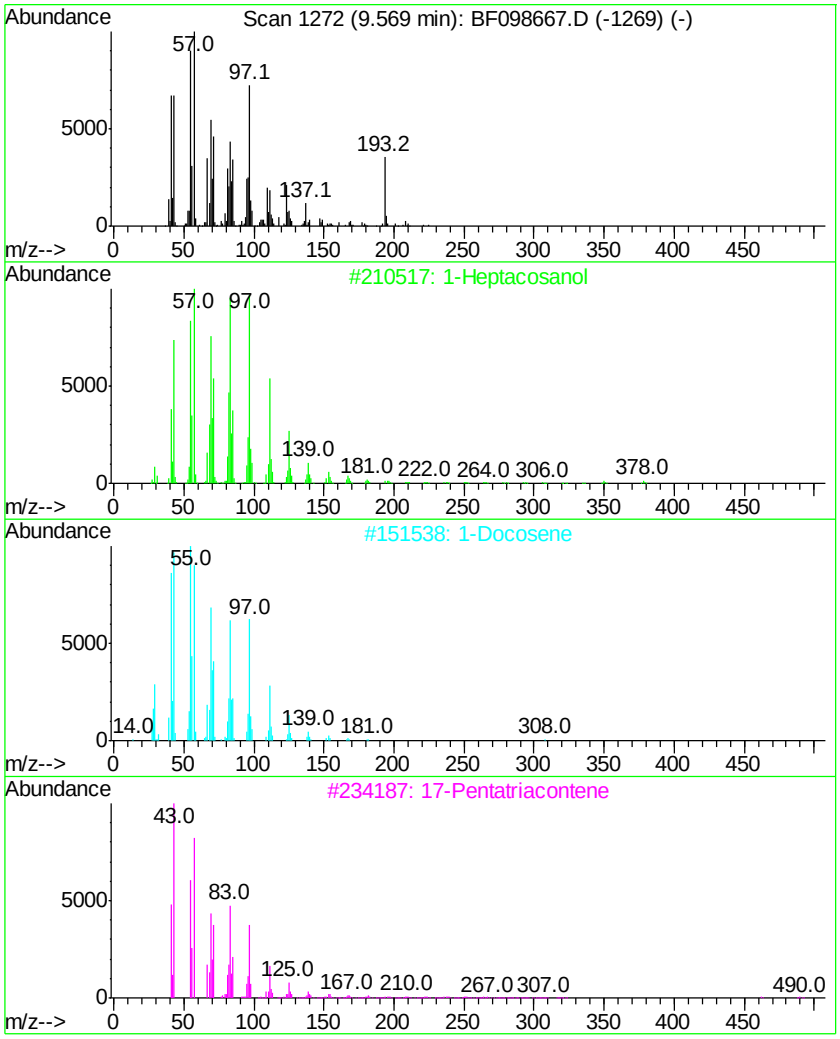
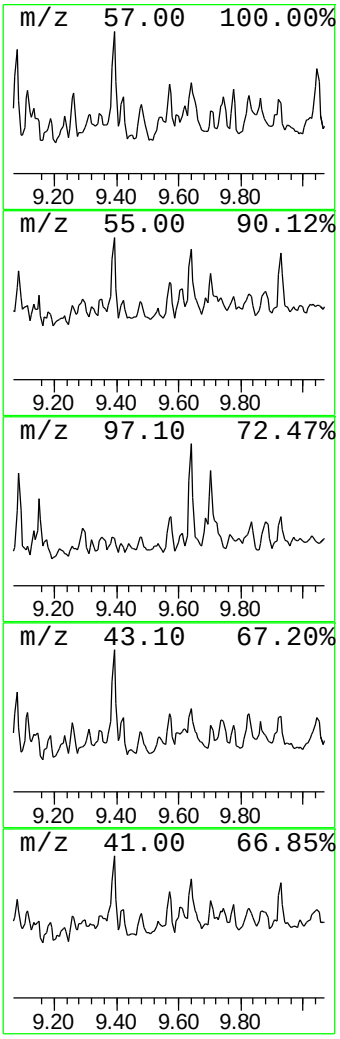
Peak Number 19 unknown9.57 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	25.53 ng	979174	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	46
2	1-Docosene	308	C22H44	001599-67-3	43
3	17-Pentatriacontene	491	C35H70	006971-40-0	43
4	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	38
5	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098667.D
Acq On : 20 Sep 2017 18:32
Operator : SJ/JU
Sample : I5281-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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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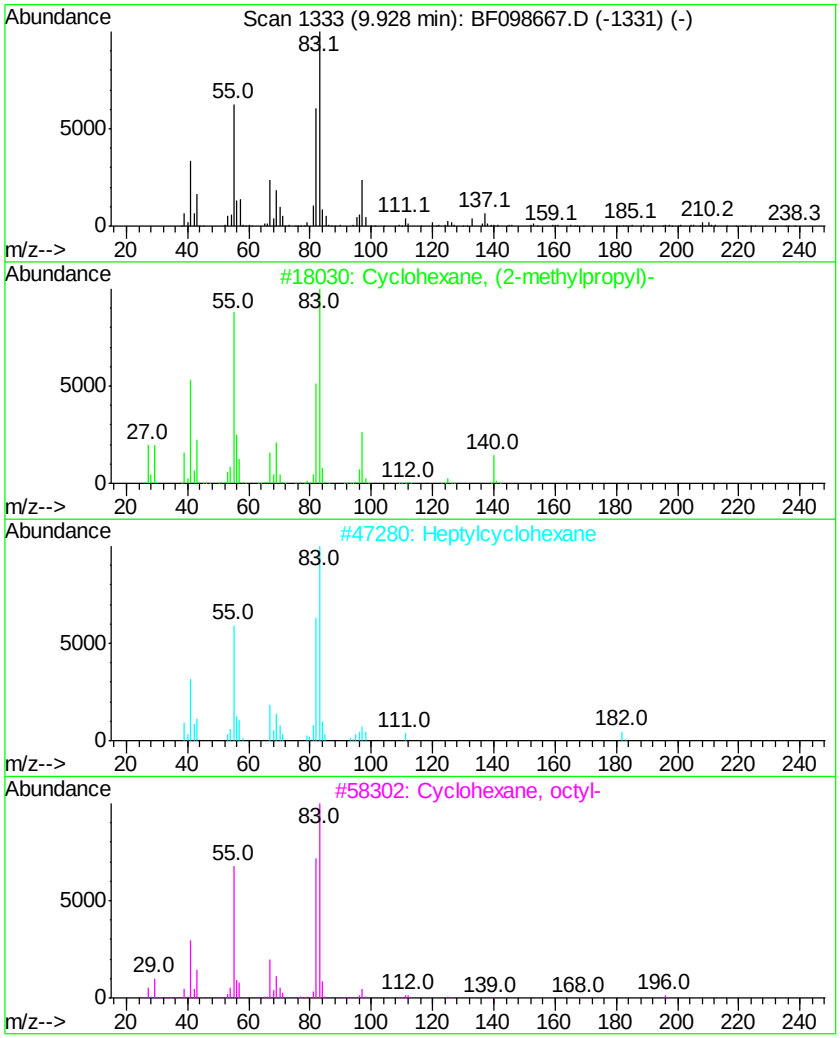
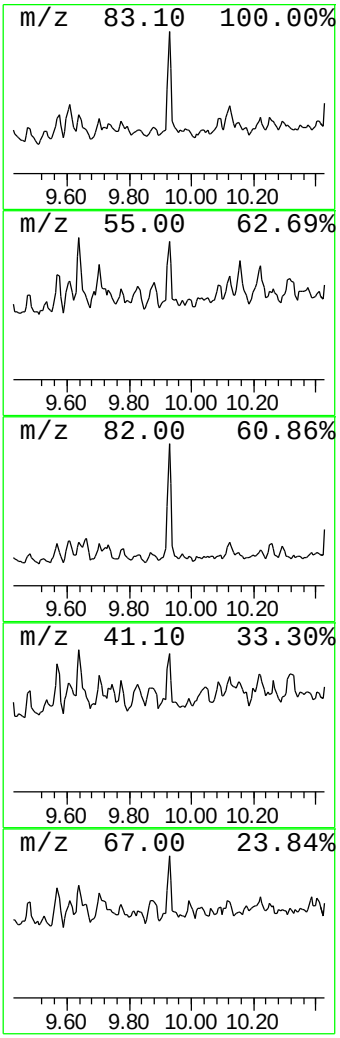
Peak Number 20 Cyclohexane, (2-methylpropyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	16.79 ng	644170	Acenaphthene-d10	9.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
2	Heptylcyclohexane	182	C13H26	005617-41-4	64
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	64
4	Cyclohexane, hexyl-	168	C12H24	004292-75-5	59
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092017\
Data File : BF098667.D
Acq On : 20 Sep 2017 18:32
Operator : SJ/JU
Sample : I5281-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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
unknown6.39	6.39	69.1	ng	2350930	1	6.62	680622	20.0
trans-Decalin, 2-...	7.42	7.5	ng	312201	2	7.90	829055	20.0
cis-Decalin, 2-sy...	7.54	7.5	ng	312961	2	7.90	829055	20.0
Cyclopentane, 1-b...	7.73	7.8	ng	324851	2	7.90	829055	20.0
Undecane, 4,6-dim...	7.97	9.7	ng	400822	2	7.90	829055	20.0
Cyclohexane, hexyl-	8.20	13.3	ng	550102	2	7.90	829055	20.0
Dodecane, 2,6,11-...	8.33	14.0	ng	580489	2	7.90	829055	20.0
Cyclopentane, (2-...	8.45	8.8	ng	363639	2	7.90	829055	20.0
Undecane, 5-ethyl-	8.60	20.2	ng	837559	2	7.90	829055	20.0
Heptadecane, 1-br...	8.79	11.3	ng	431428	3	9.66	767177	20.0
Cyclohexane, (1-m...	8.82	23.4	ng	896477	3	9.66	767177	20.0
unknown8.89	8.89	15.6	ng	598092	3	9.66	767177	20.0
Dodecane, 2,6,10-...	8.93	17.4	ng	668980	3	9.66	767177	20.0
Cyclododecane	9.06	12.6	ng	482726	3	9.66	767177	20.0
unknown9.08	9.08	13.2	ng	504532	3	9.66	767177	20.0
Decane	9.26	14.3	ng	546739	3	9.66	767177	20.0
1-Octadecanesulph...	9.47	13.9	ng	532439	3	9.66	767177	20.0
unknown9.57	9.57	25.5	ng	979174	3	9.66	767177	20.0
Cyclohexane, (2-m...	9.93	16.8	ng	644170	3	9.66	767177	20.0