LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

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-BF062119.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	3.078	175	194	212	rVB2	295843	829763	3.17%	0.165%
2	3.525	254	270	275	rBV	554920	1455544	5.56%	0.289%
3	3.672	284	295	300	rVV2	524215	1281403	4.90%	0.254%
4	3.819	308	320	326	rBV2	1580911	3079015	11.77%	0.611%
5	3.990	338	349	353	rBV3	572022	1323862	5.06%	0.262%
6	4.048	353	359	364	rVB2	788141	1438298	5.50%	0.285%
7	4.189	374	383	392	rBV2	1819593	3997792	15.28%	0.793%
8	4.301	394	402	408	rBV2	1080897	1655895	6.33%	0.328%
9	4.537	437	442	445	rBV	1789426	2336953	8.93%	0.463%
10	4.654	457	462	466	rVB	4723795	6240302	23.85%	1.237%
11	4.713	466	472	473	rBV5	1072112	1755371	6.71%	0.348%
12	4.742	473	477	481	rVB	3860178	5480239	20.94%	1.087%
13	4.813	481	489	492	rBV	8108325	12458864	47.61%	2.470%
14	4.848	493	495	497	rVB2	1055938	817231	3.12%	0.162%
15	4.872	497	499	503	rVB3	1641986	1948258	7.45%	0.386%
16	4.919	503	507	508	rBV2	1063928	1079059	4.12%	0.214%
17	4.942	508	511	515	rVB	3310230	3426735	13.09%	0.679%
18	5.019	516	524	527	rBV3	7197636	10967539	41.91%	2.175%
19	5.066	527	532	537	rVB5	2086506	4164424	15.91%	0.826%
20	5.119	537	541	544	rBV	4894402	5325059	20.35%	1.056%
21	5.195	550	554	555	rBV2	2825653	3361949	12.85%	0.667%
22	5.219	555	558	563	rVB2	7125727	10603278	40.52%	2.102%
23	5.266	563	566	568	rVB	981516	961797	3.68%	0.191%
24	5.307	568	573	575	rBV2	4866609	5318486	20.32%	1.055%
25	5.395	583	588	591	rBV2	8024496	12577889	48.07%	2.494%
26	5.442	592	596	598	rVB	7528117	8529437	32.59%	1.691%
27	5.484	598	603	611	rVB3	6792010	11854407	45.30%	2.350%
28	5.554	611	615	622	rBV	4557518	6003650	22.94%	1.190%
29	5.648	622	631	635	rBV4	8619776	16234999	62.04%	3.219%
30	5.719	635	643	650	rBV4	4247212	14168867	54.15%	2.809%
31	5.789	650	655	661	rVB5	8522700	16398915	62.67%	3.252%
32	5.854	661	666	669	rBV3	5233890	8996726	34.38%	1.784%
33	5.901	669	674	676	rBV2	6677070	12870756	49.18%	2.552%
34	5.972	681	686	688	rBV2	6826056	10554771	40.33%	2.093%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

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-BF062119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.019	692	694	700	rVB3	5334597	8349357	31.91%	1.656%
36	6.101	700	708	713	rBV7	7297272	19336198	73.89%	3.834%
37	6.166	713	719	721	rBV3	7784620	14030992	53.62%	2.782%
38	6.254	730	734	738	rBV3	5329619	8321770	31.80%	1.650%
39	6.307	738	743	744	rVV2	5092057	7874130	30.09%	1.561%
40	6.348	748	750	753	rVB	3688570	3648153	13.94%	0.723%
41	6.395	753	758	769	rBV7	7049152	26168333	100.00%	5.189%
42	6.501	773	776	780	rBV4	3958824	5661852	21.64%	1.123%
43	6.601	787	793	794	rBV4	3330918	5919526	22.62%	1.174%
44	6.901	837	844	846	rBV6	5267825	10156993	38.81%	2.014%
45	6.930	846	849	853	rVV5	5274989	8765070	33.49%	1.738%
46	6.972	853	856	859	rVB2	3841142	4005665	15.31%	0.794%
47	7.013	859	863	864	rBV3	2523162	3182493	12.16%	0.631%
48	7.048	865	869	871	rVV3	4067695	5870897	22.44%	1.164%
49	7.072	871	873	877	rVB3	2059054	2499563	9.55%	0.496%
50	7.189	887	893	899	rBV4	3992348	11507858	43.98%	2.282%
51	7.236	899	901	907	rVB4	2611477	3301456	12.62%	0.655%
52	7.295	907	911	916	rVB6	4194503	7818376	29.88%	1.550%
53	7.454	935	938	942	rVB5	4342551	6910282	26.41%	1.370%
54	7.495	943	945	947	rBV3	1693905	1831378	7.00%	0.363%
55	7.619	962	966	969	rBV4	4147026	5828277	22.27%	1.156%
56	7.672	970	975	977	rVV2	4755243	8921423	34.09%	1.769%
57	7.701	977	980	982	rVV2	3312916	3753597	14.34%	0.744%
58	7.754	984	989	993	rVB3	3258775	6136361	23.45%	1.217%
59	7.795	993	996	999	rBV	3235178	3623598	13.85%	0.718%
60	7.913	1013	1016	1019	rVB2	2626994	2842582	10.86%	0.564%
61	8.007	1029	1032	1037	rVB3	4403733	6530047	24.95%	1.295%
62	8.048	1037	1039	1042	rVB2	2940274	2793410	10.67%	0.554%
63	8.077	1042	1044	1045	rBV	2532314	2018863	7.71%	0.400%
64	8.095	1045	1047	1051	rVB5	1905426	1931299	7.38%	0.383%
65	8.136	1051	1054	1056	rVB	2763949	2498361	9.55%	0.495%
66	8.213	1060	1067	1070	rBV6	2125101	5007860	19.14%	0.993%
67	8.242	1070	1072	1075	rVB	2488887	2405486	9.19%	0.477%
68	8.277	1075	1078	1079	rBV2	2252906	2182216	8.34%	0.433%
69	8.360	1087	1092	1094	rBV3	5921372	7976855	30.48%	1.582%
70	8.425	1101	1103	1105	rBV2	1463993	1176602	4.50%	0.233%
71	8.466	1107	1110	1114	rVB4	2198415	2675687	10.22%	0.531%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

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-BF062119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	8.530	1119	1121	1125	rBV4	927134	1069488	4.09%	0.212%
73	8.607	1131	1134	1138	rVB3	3409255	4835112	18.48%	0.959%
74	8.660	1140	1143	1145	rBV3	1011767	1145246	4.38%	0.227%
75	8.713	1149	1152	1156	rVB2	3210927	3445742	13.17%	0.683%
76	8.748	1156	1158	1162	rVB3	1499160	1190375	4.55%	0.236%
77	8.795	1163	1166	1168	rBV3	1234544	1202631	4.60%	0.238%
78	8.842	1173	1174	1177	rVV3	1306746	1113903	4.26%	0.221%
79	8.877	1177	1180	1185	rVV5	991735	1192203	4.56%	0.236%
80	8.942	1188	1191	1193	rVV3	3834614	3166235	12.10%	0.628%
81	8.972	1193	1196	1199	rVB	5120221	4955452	18.94%	0.983%
82	9.072	1209	1213	1219	rBV4	1261510	2388095	9.13%	0.474%
83	9.119	1219	1221	1224	rVV2	1117490	1074439	4.11%	0.213%
84	9.166	1227	1229	1236	rVB	1175847	1689097	6.45%	0.335%
85	9.236	1236	1241	1243	rBV	1466514	2037260	7.79%	0.404%
86	9.307	1247	1253	1255	rBV	1961714	2475131	9.46%	0.491%
87	9.330	1255	1257	1260	rVV	2123075	1705938	6.52%	0.338%
88	9.366	1260	1263	1265	rVV	1463180	1296517	4.95%	0.257%
89	9.389	1265	1267	1269	rVV	1470258	1085068	4.15%	0.215%
90	9.636	1305	1309	1312	rBV	2780468	2681311	10.25%	0.532%
91	9.836	1337	1343	1348	rVV4	425671	991715	3.79%	0.197%
92	10.418	1437	1442	1446	rVB	3698198	3419547	13.07%	0.678%
93	11.107	1555	1559	1562	rVV	3096372	2624833	10.03%	0.520%
94	12.695	1824	1829	1832	rBV	6393153	6129973	23.43%	1.215%
95	13.724	1999	2004	2007	rBV	2468825	2501580	9.56%	0.496%
96	14.530	2137	2141	2144	rBV	1038392	963203	3.68%	0.191%
97	14.830	2188	2192	2196	rVB	1110744	1088204	4.16%	0.216%
98	15.089	2231	2236	2243	rVV	1641898	1836914	7.02%	0.364%
99	15.165	2244	2249	2256	rVB	1001306	1206075	4.61%	0.239%
100	15.548	2309	2314	2322	rBV	574038	864022	3.30%	0.171%

Sum of corrected areas: 504335708

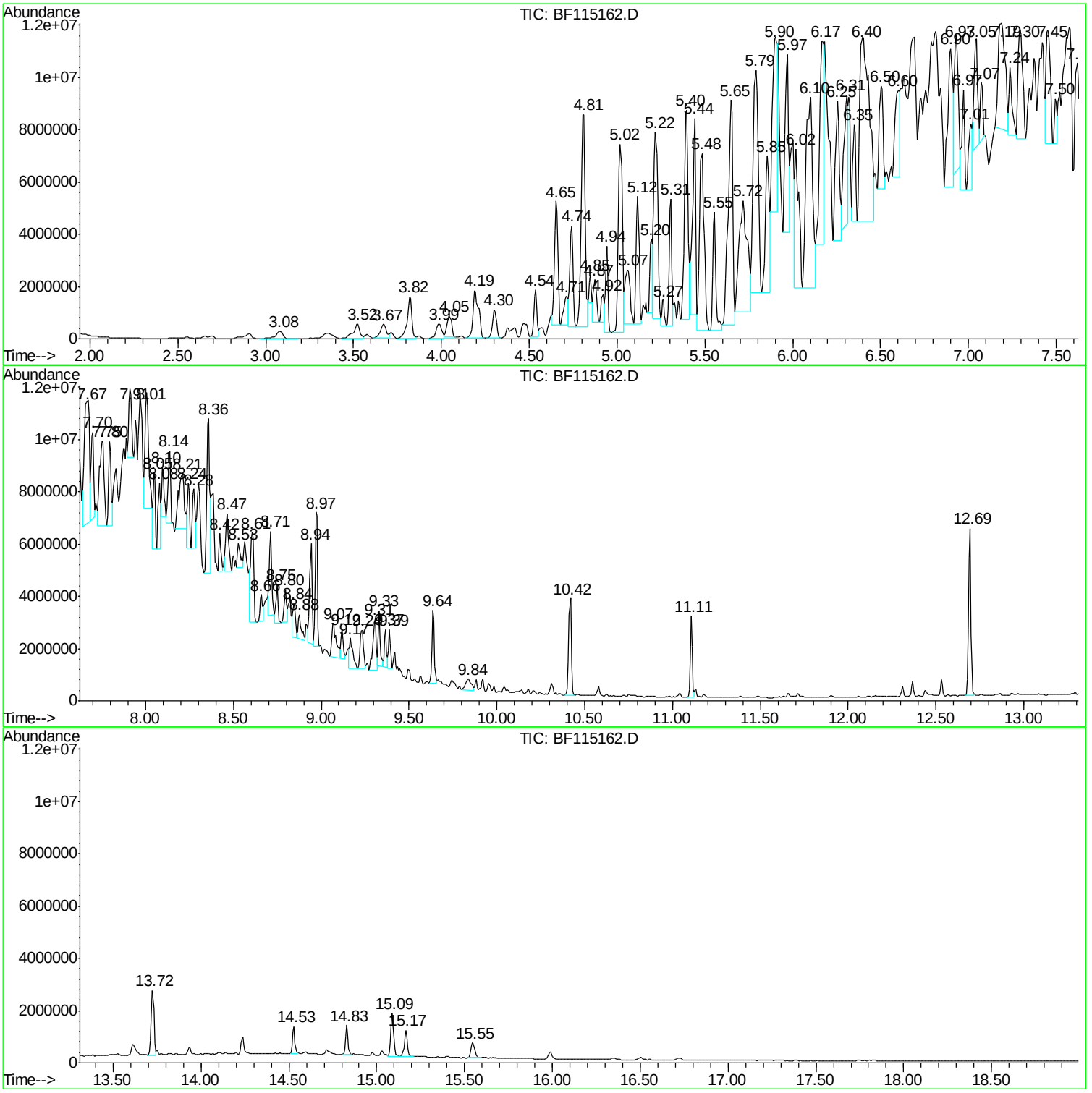
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

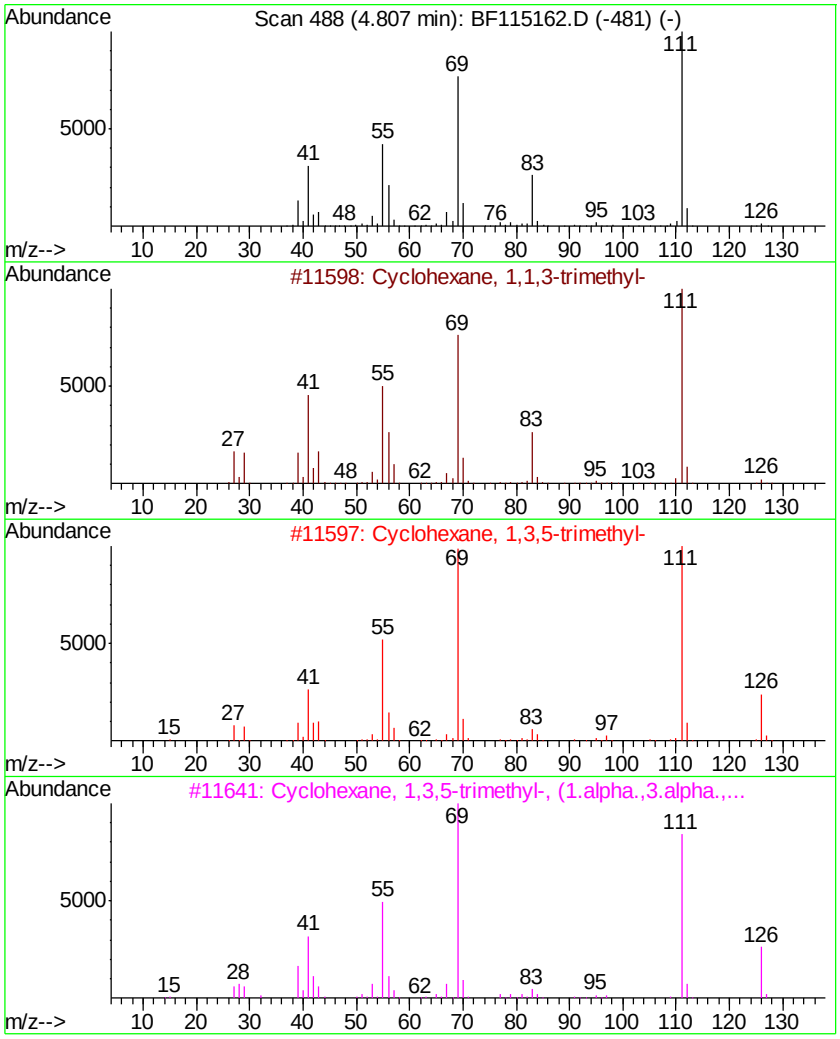
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

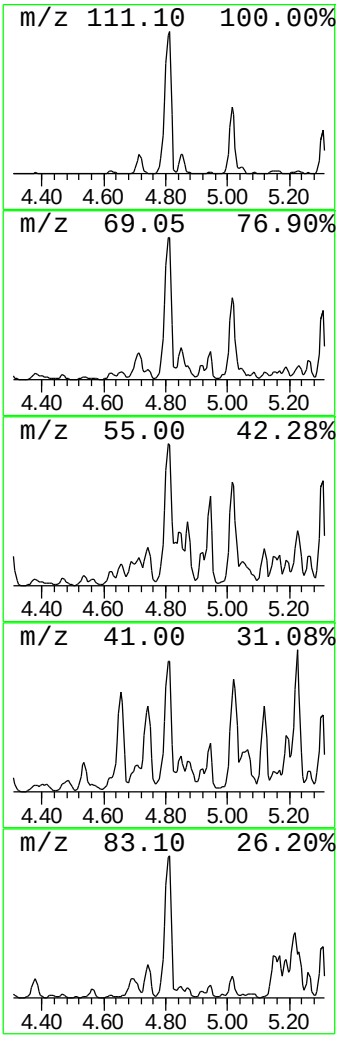
****

Peak Number 1 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.81	42.09 ng	12458900	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	56





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

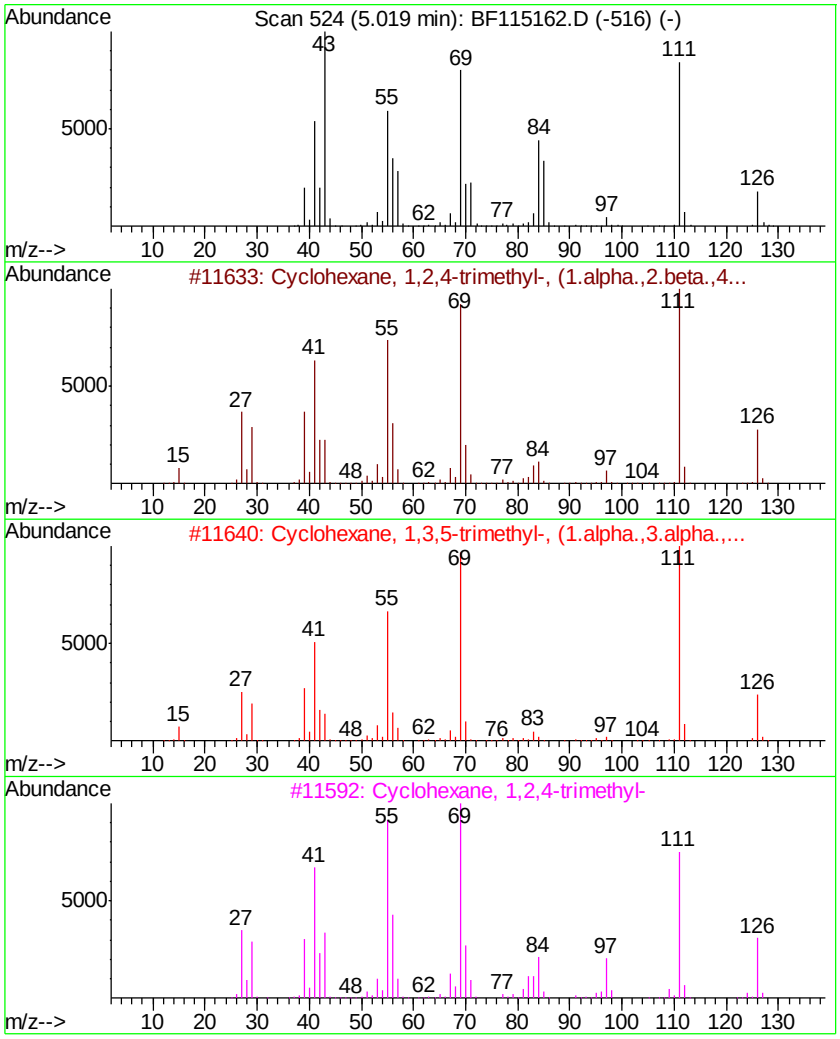
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

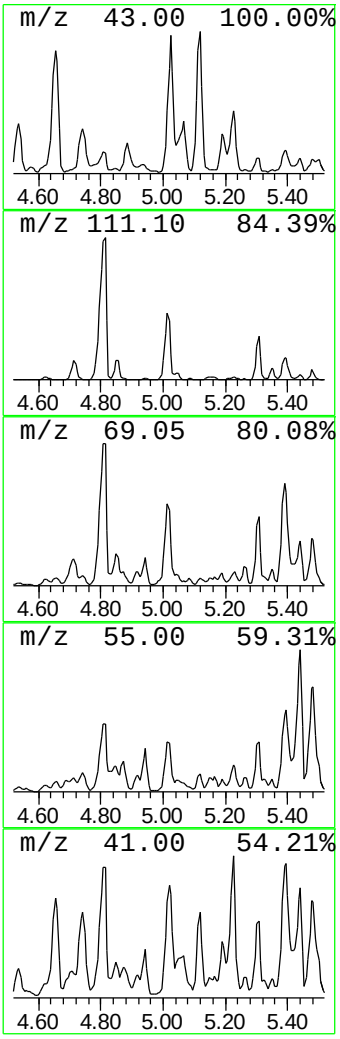
****

Peak Number 2 Cyclohexane, 1,2,4-trimethy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	37.06 ng	10967500	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	70
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	52
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	52
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	49
5	Pentane, 3-methylene-	84	C6H12	000760-21-4	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

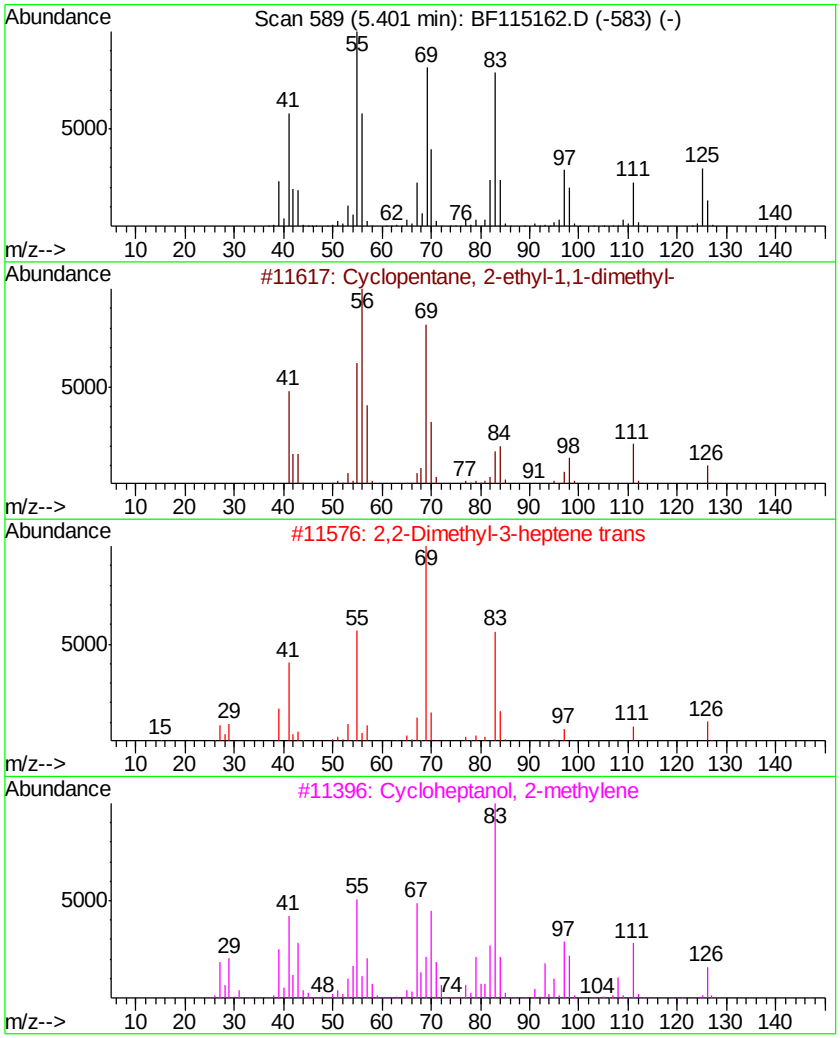
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

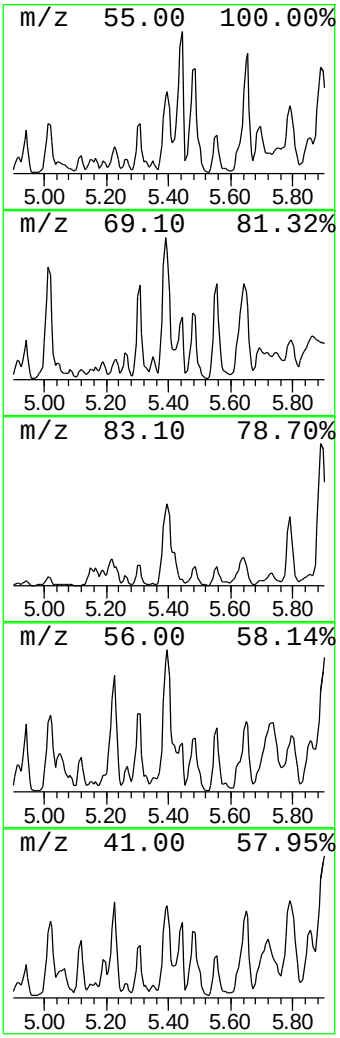
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclopentane, 2-ethyl-1,1-d... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.40	42.50 ng	12577900	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 2-ethyl-1,1-dimethyl-	126	C9H18	054549-80-3	55
2	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	46
3	Cycloheptanol, 2-methylene	126	C8H14O	016240-38-3	43
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	43
5	Cyclohexanol, 1-ethenyl-	126	C8H14O	001940-19-8	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

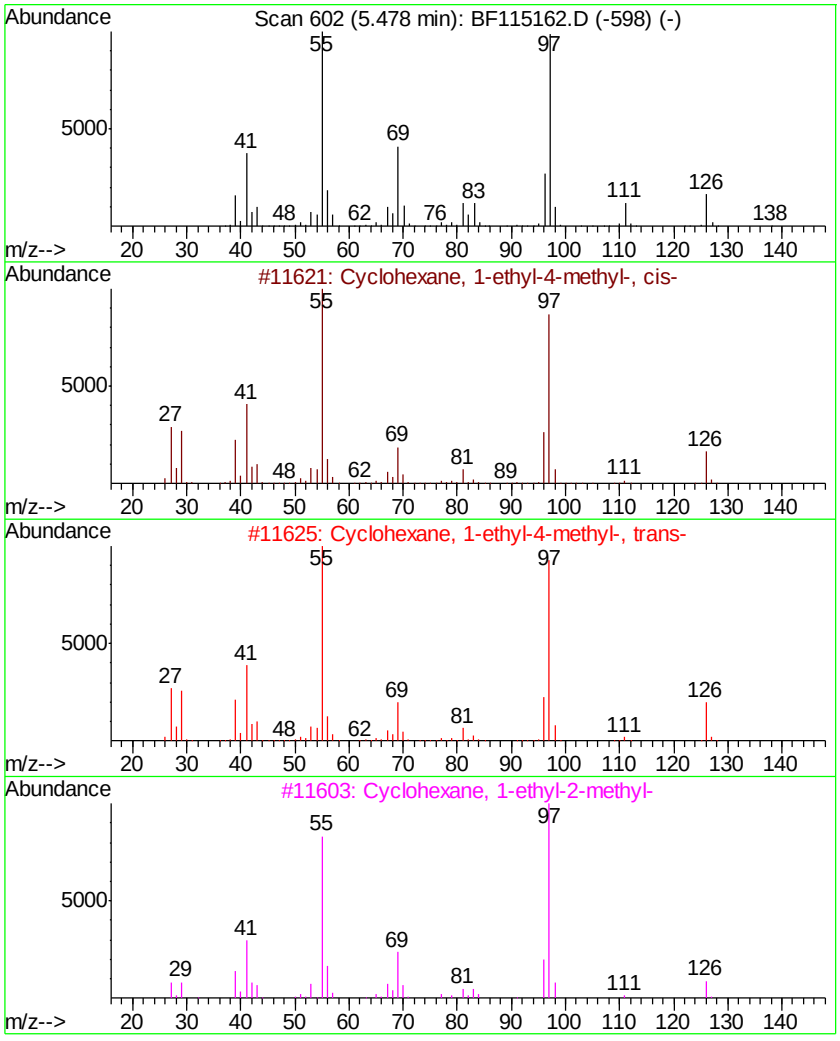
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

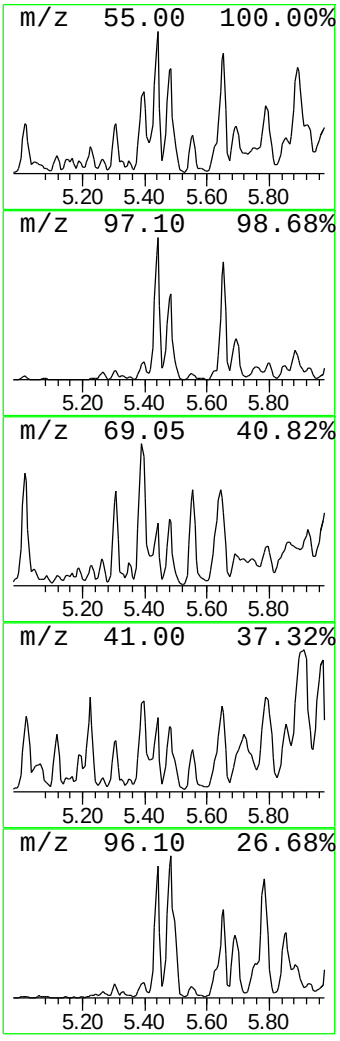
****

Peak Number 4 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.48	40.05 ng	11854400	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	86
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	78
4	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	72
5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

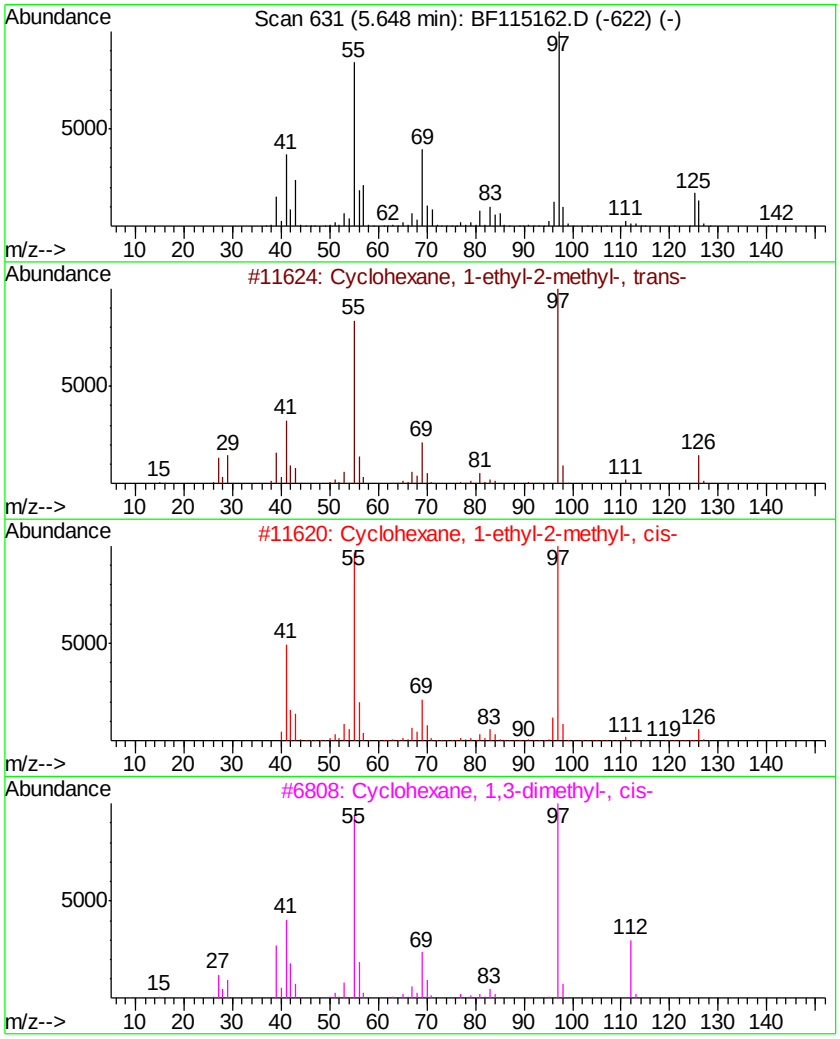
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

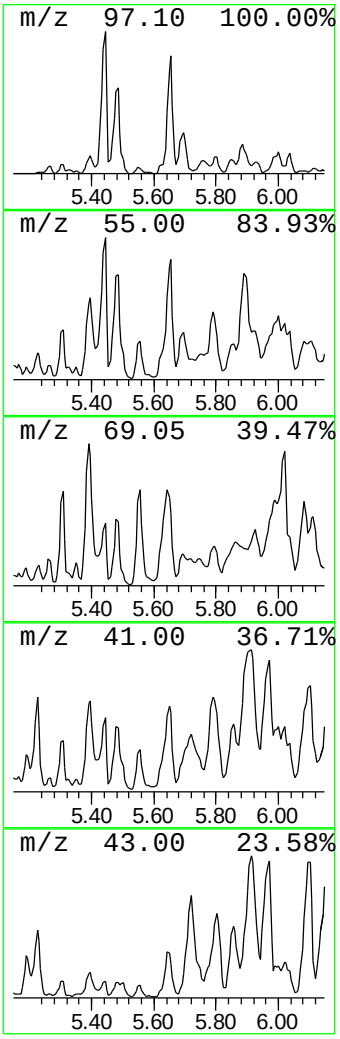
****

Peak Number 5 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.65	54.85 ng	16235000	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	76
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	72
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

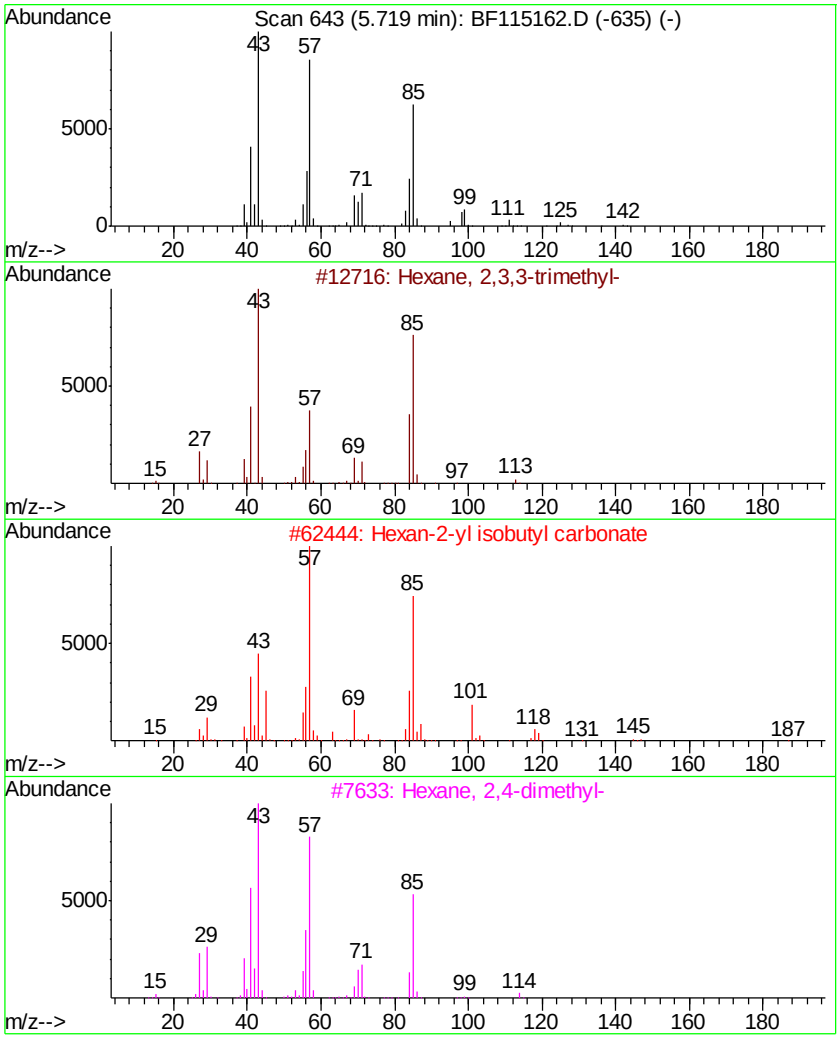
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

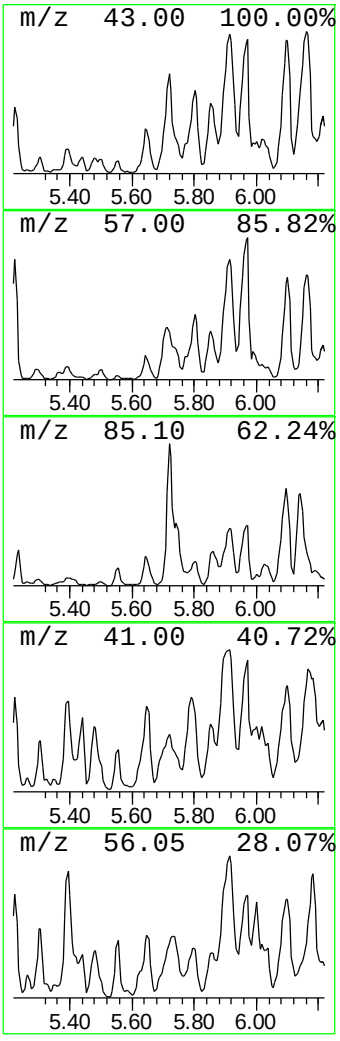
****

Peak Number 6 Hexane, 2,3,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.72	47.87 ng	14168900	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	72
2	Hexan-2-yl isobutyl carbonate	202	C11H22O3	1000372-75-5	64
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
4	4-Methylpentan-2-yl 2-methylbuta...	186	C11H22O2	1000372-74-2	50
5	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

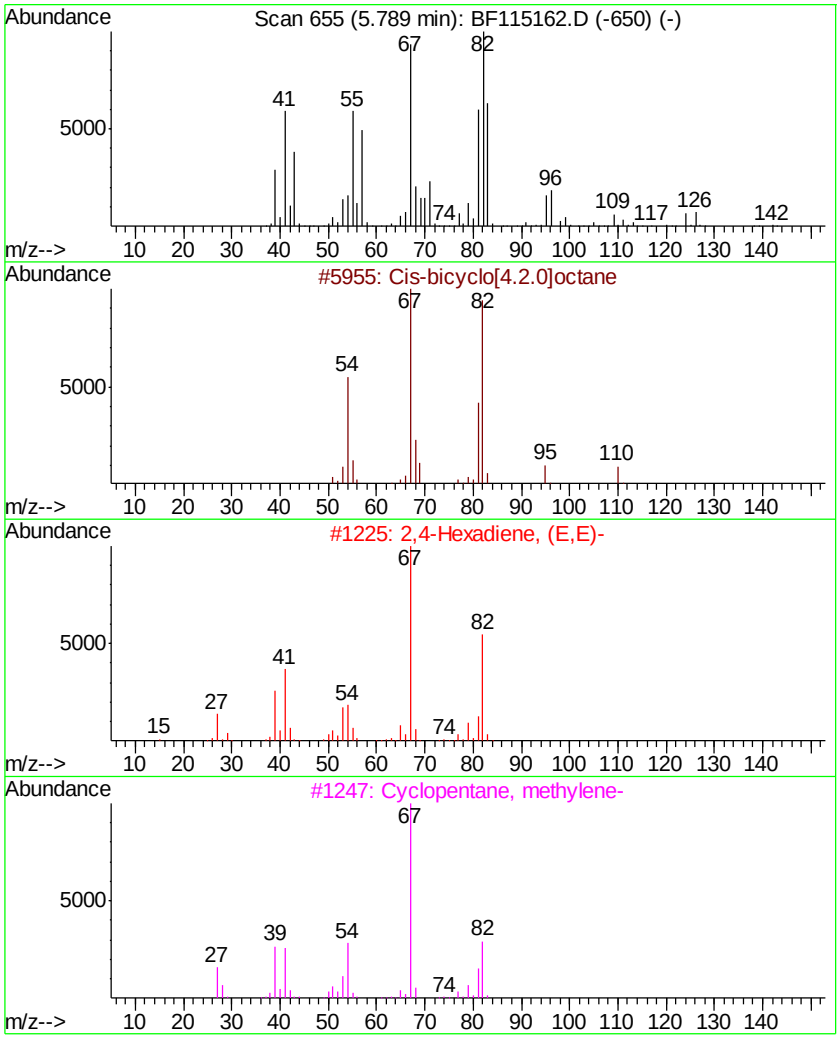
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

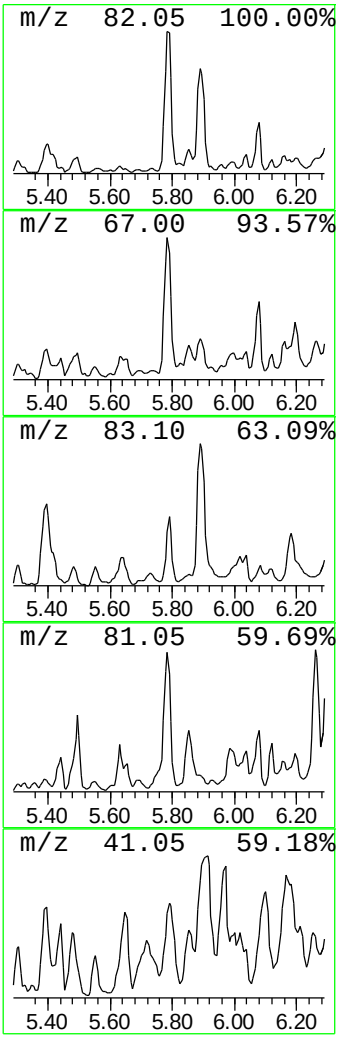
****

Peak Number 7 Cis-bicyclo[4.2.0]octane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.79	55.41 ng	16398900	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cis-bicyclo[4.2.0]octane	110	C8H14	028282-35-1	58
2	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	49
3	Cyclopentane, methylene-	82	C6H10	001528-30-9	49
4	(Z)-Hex-3-enyl isobutyl carbonate	200	C11H20O3	1000372-75-0	47
5	2-Cyclohexen-1-one, 4,5-dimethyl-	124	C8H12O	005715-25-3	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

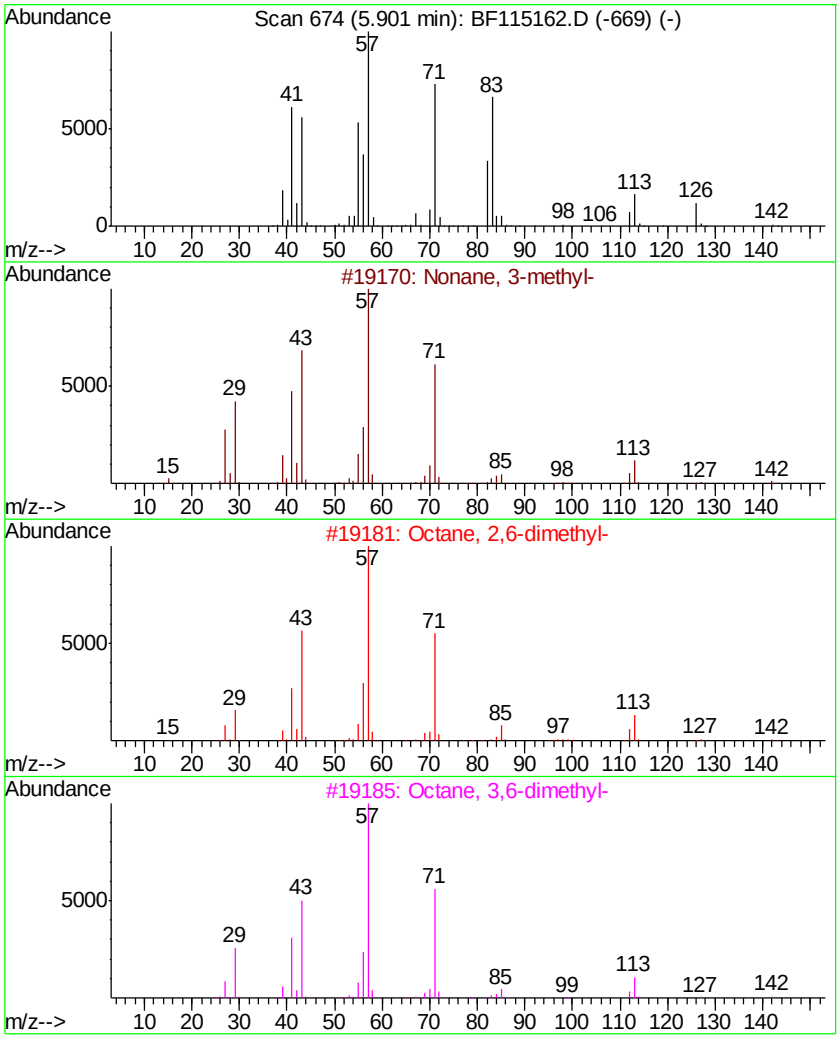
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

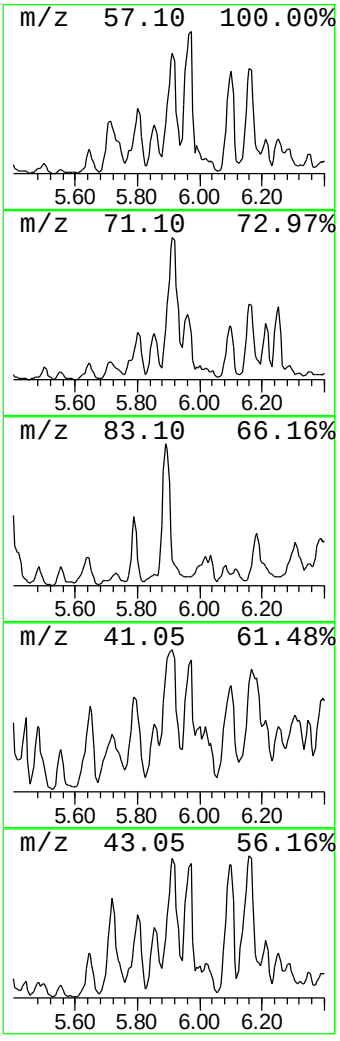
****

Peak Number 8 Nonane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.90	43.49 ng	12870800	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	55
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	49
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46
4	Octane, 2-bromo-	192	C8H17Br	000557-35-7	38
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

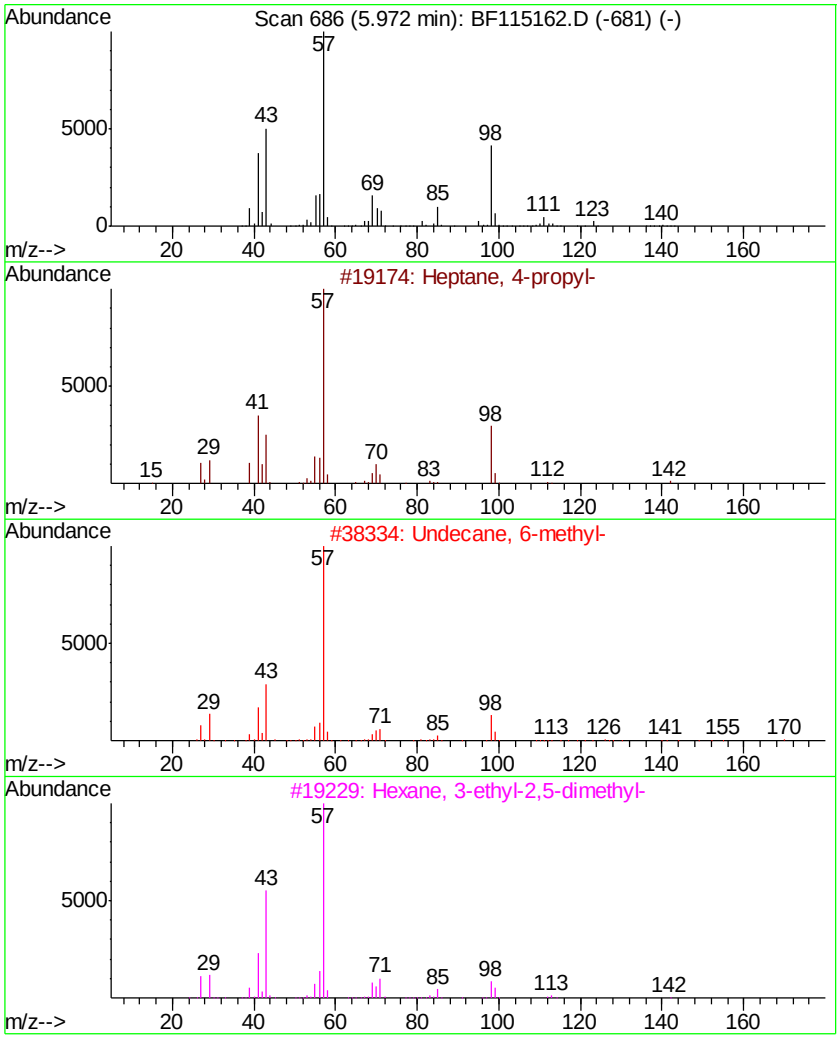
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

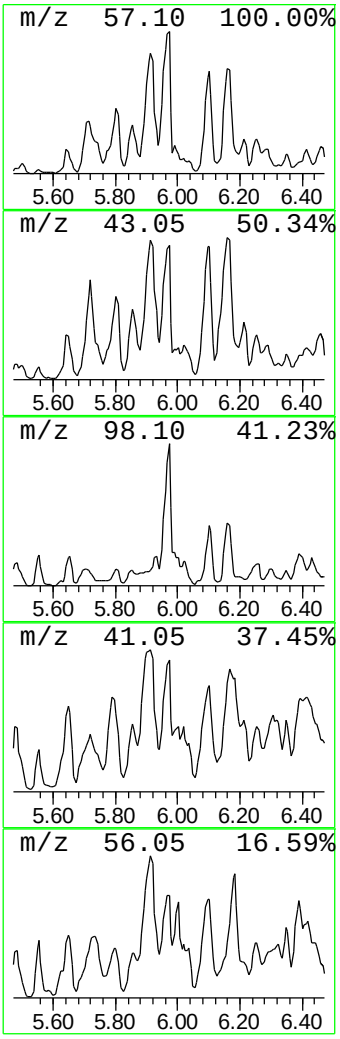
****

Peak Number 9 Heptane, 4-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	35.66 ng	10554800	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-propyl-	142	C10H22	003178-29-8	64
2	Undecane, 6-methyl-	170	C12H26	017302-33-9	59
3	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	46
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
5	Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

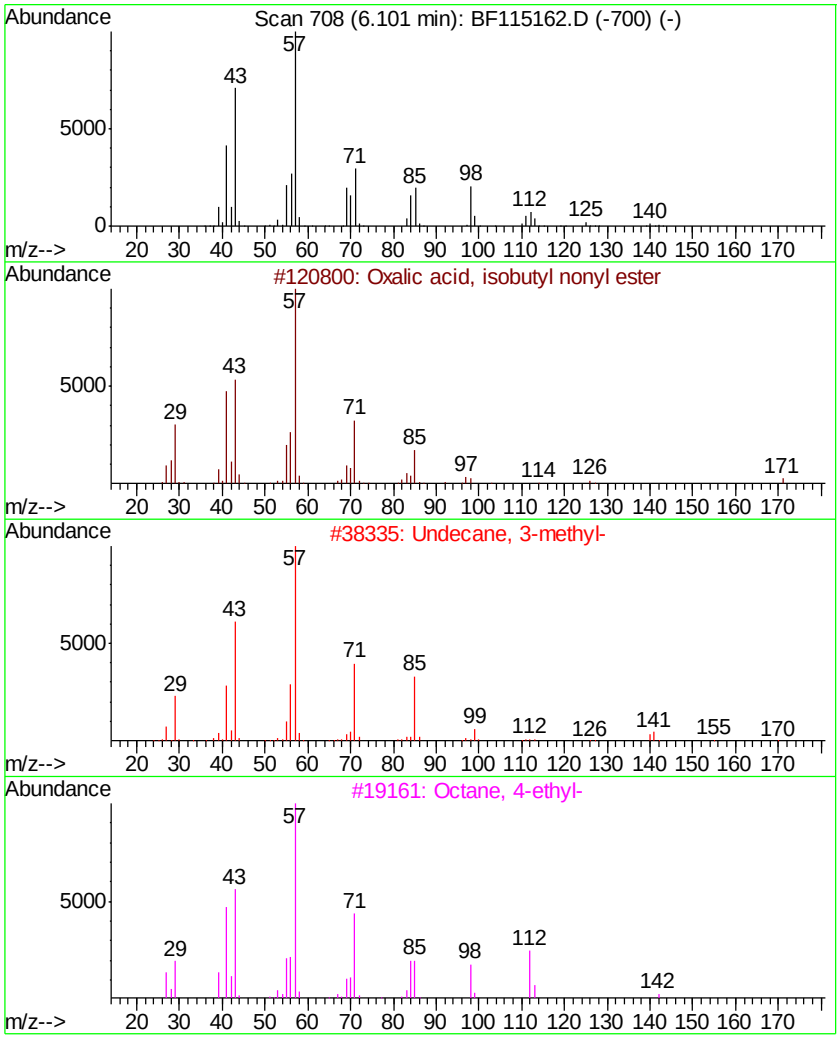
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

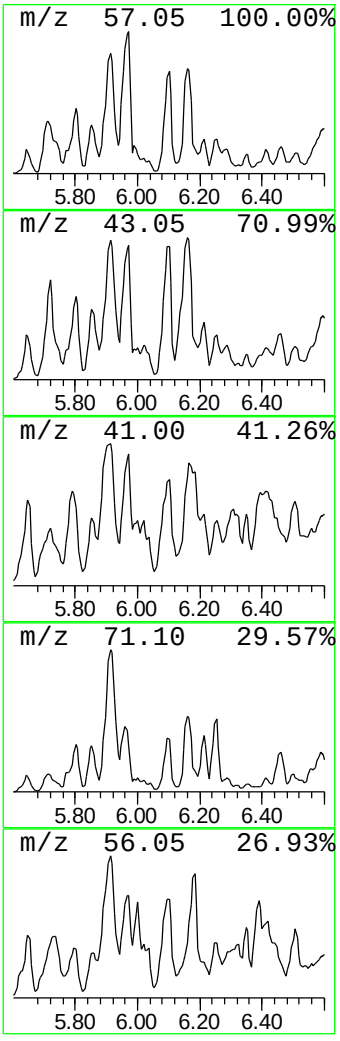
****

Peak Number 10 Oxalic acid, isobutyl nonyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.10	65.33 ng	19336200	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	50
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	50
3	Octane, 4-ethyl-	142	C10H22	015869-86-0	47
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	47
5	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

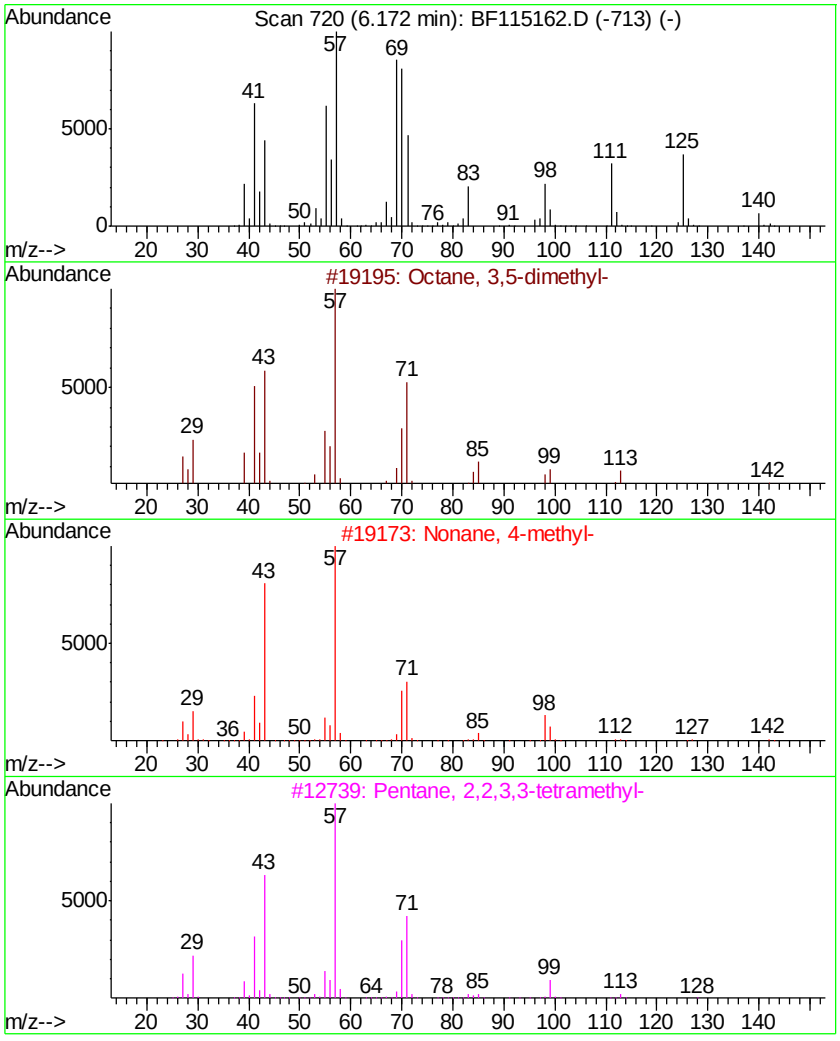
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

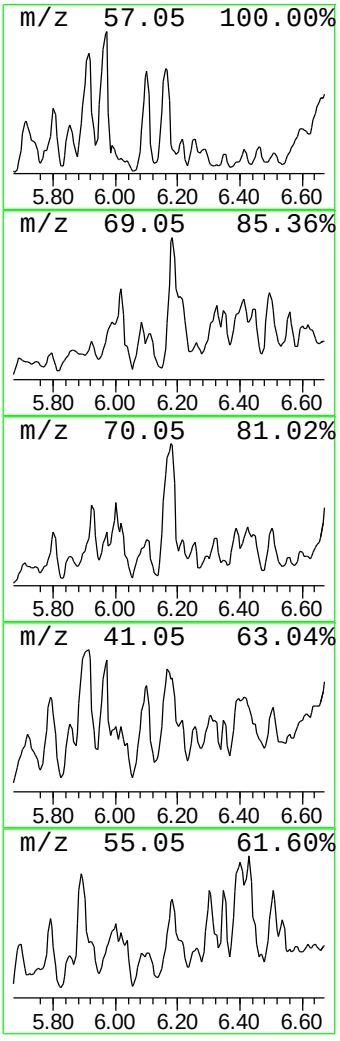
****

Peak Number 11 Octane, 3,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	47.41 ng	14031000	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	52
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	50
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	47
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	47
5	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

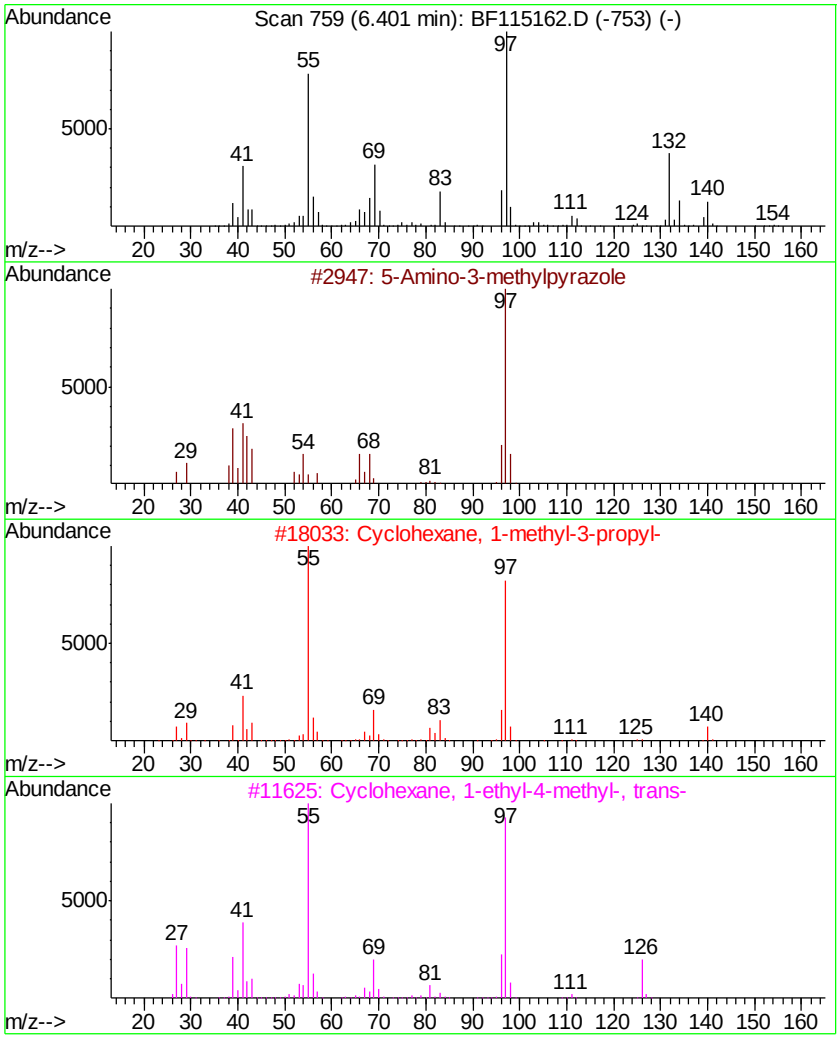
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

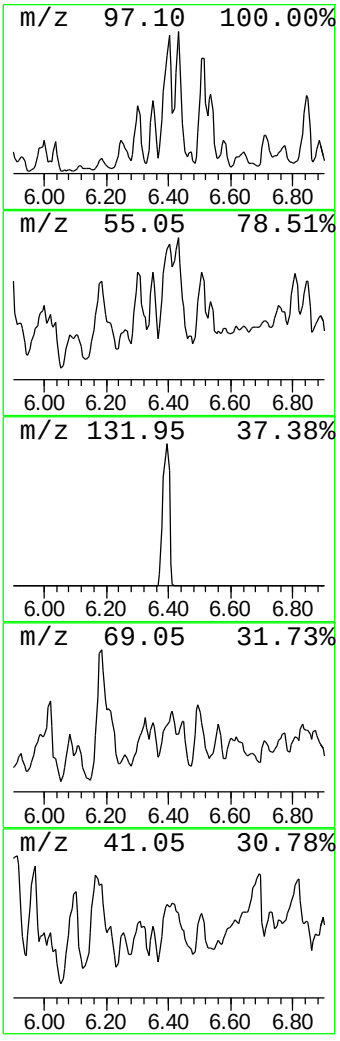
****

Peak Number 12 unknown6.40 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	88.41 ng	26168300	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Amino-3-methylpyrazole	97	C4H7N3	031230-17-8	46
2	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	43
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	38
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	38
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

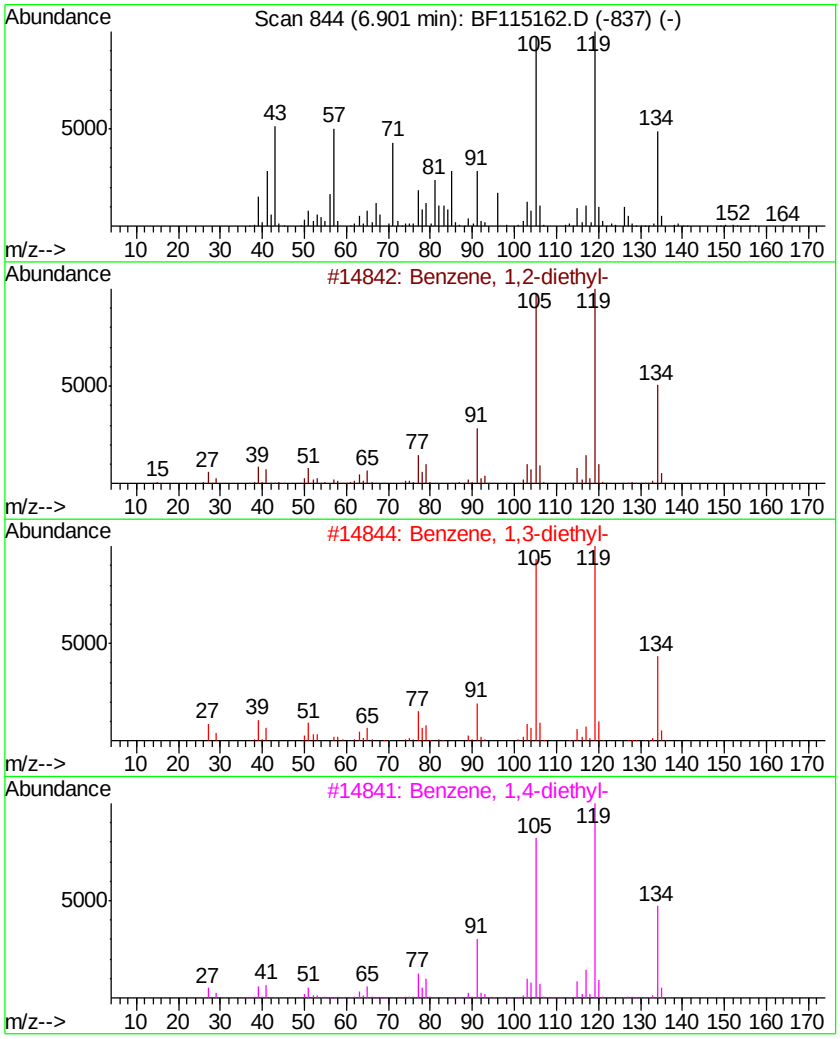
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

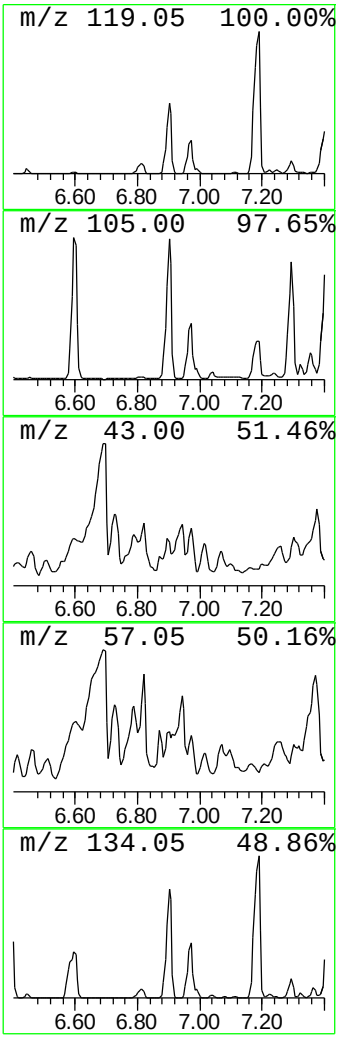
****

Peak Number 13 Benzene, 1,2-diethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	34.32 ng	10157000	1,4-Dichlorobenzene-d4	6.63

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	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64
5	o-Cymene	134	C10H14	000527-84-4	55





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

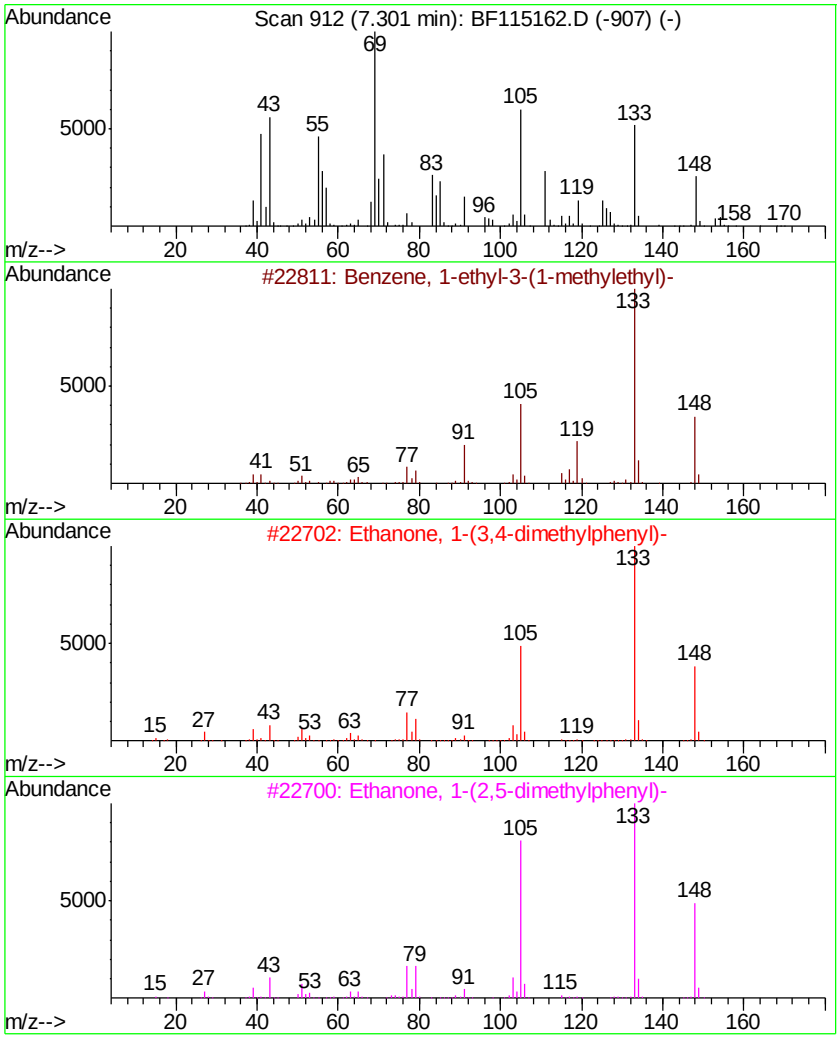
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

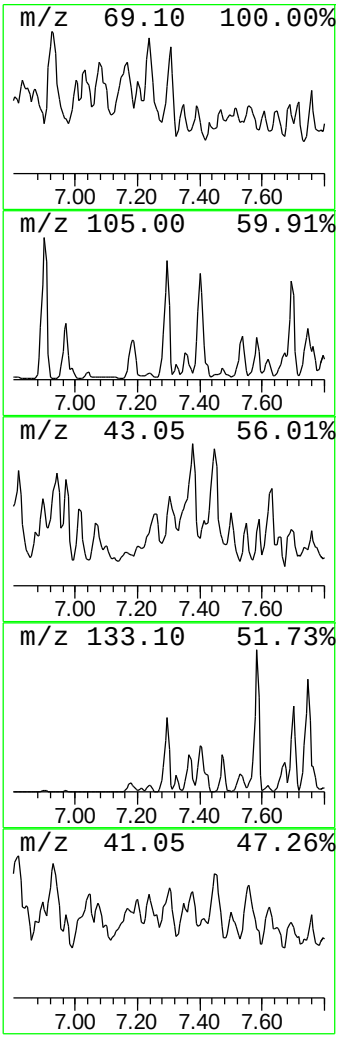
****

Peak Number 14 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	55.01 ng	7818380	Naphthalene-d8	7.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	95
2	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	64
3	Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	64
4	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	60
5	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

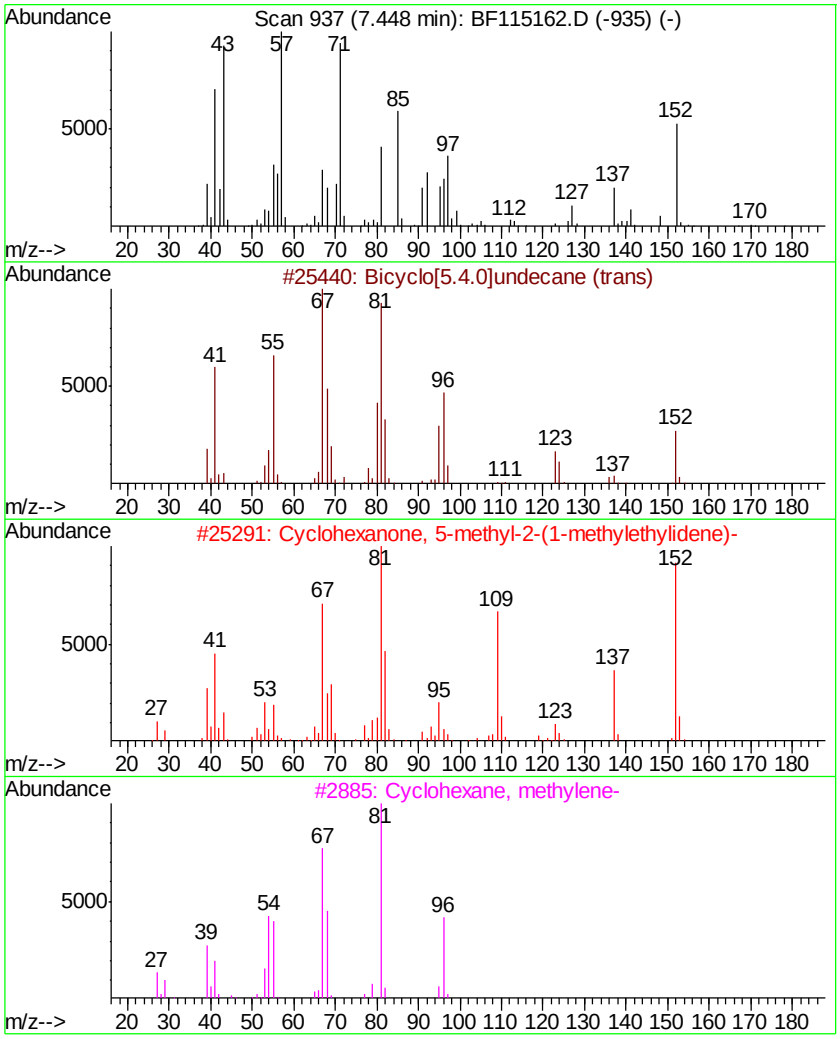
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

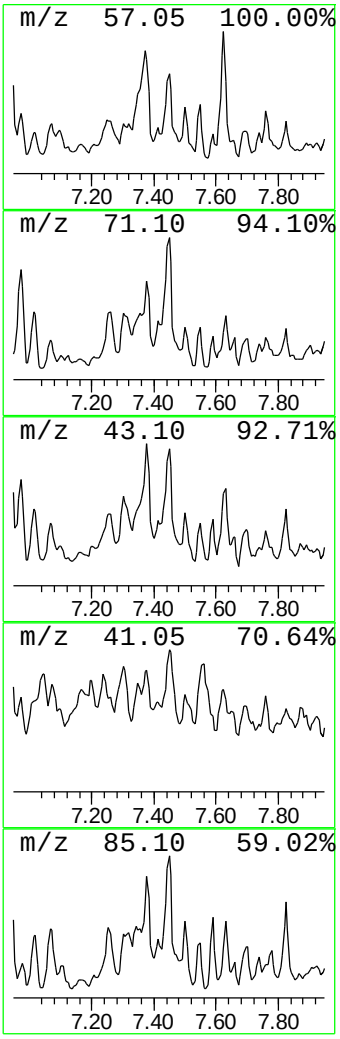
****

Peak Number 15 unknown7.45 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	48.62 ng	6910280	Naphthalene-d8	7.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[5.4.0]undecane (trans)	152	C11H20	021394-30-9	49
2	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	46
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	42
4	Pulegone	152	C10H16O	000089-82-7	38
5	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

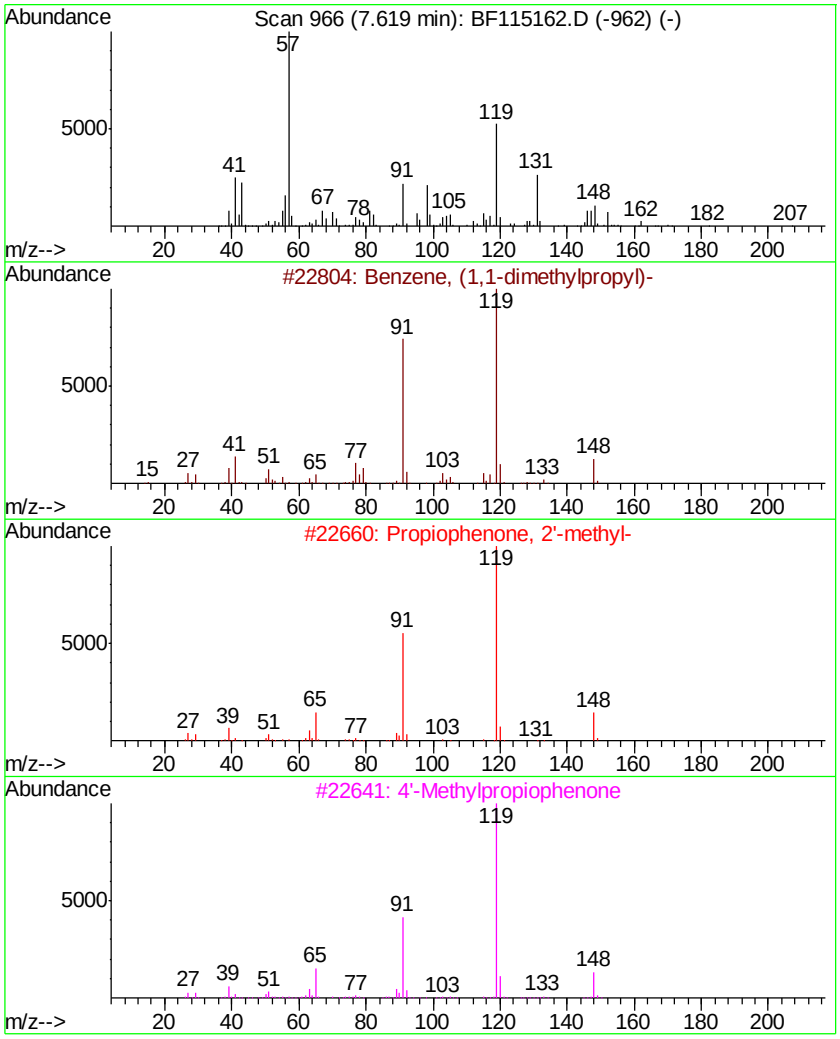
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

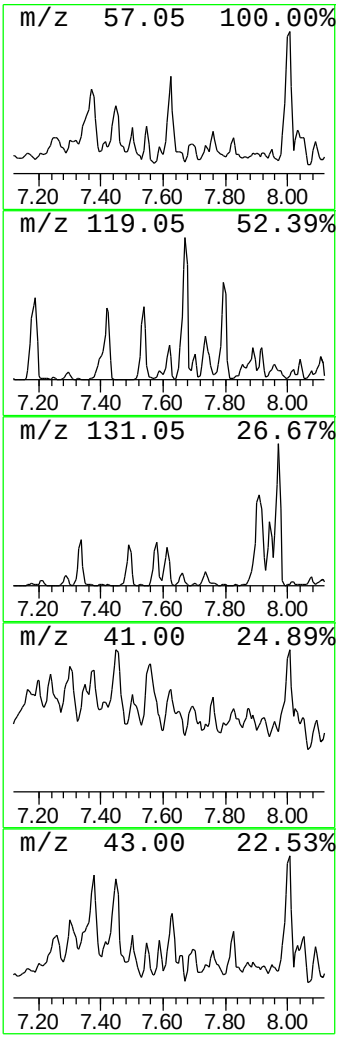
****

Peak Number 16 unknown7.62 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	41.01 ng	5828280	Naphthalene-d8	7.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	27
2	Propiophenone, 2'-methyl-	148	C10H12O	002040-14-4	27
3	4'-Methylpropiophenone	148	C10H12O	005337-93-9	27
4	Pyridine, 5-ethenyl-2-methyl-	119	C8H9N	000140-76-1	22
5	Boric acid, tris(2-methylpropyl)...	230	C12H27BO3	013195-76-1	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

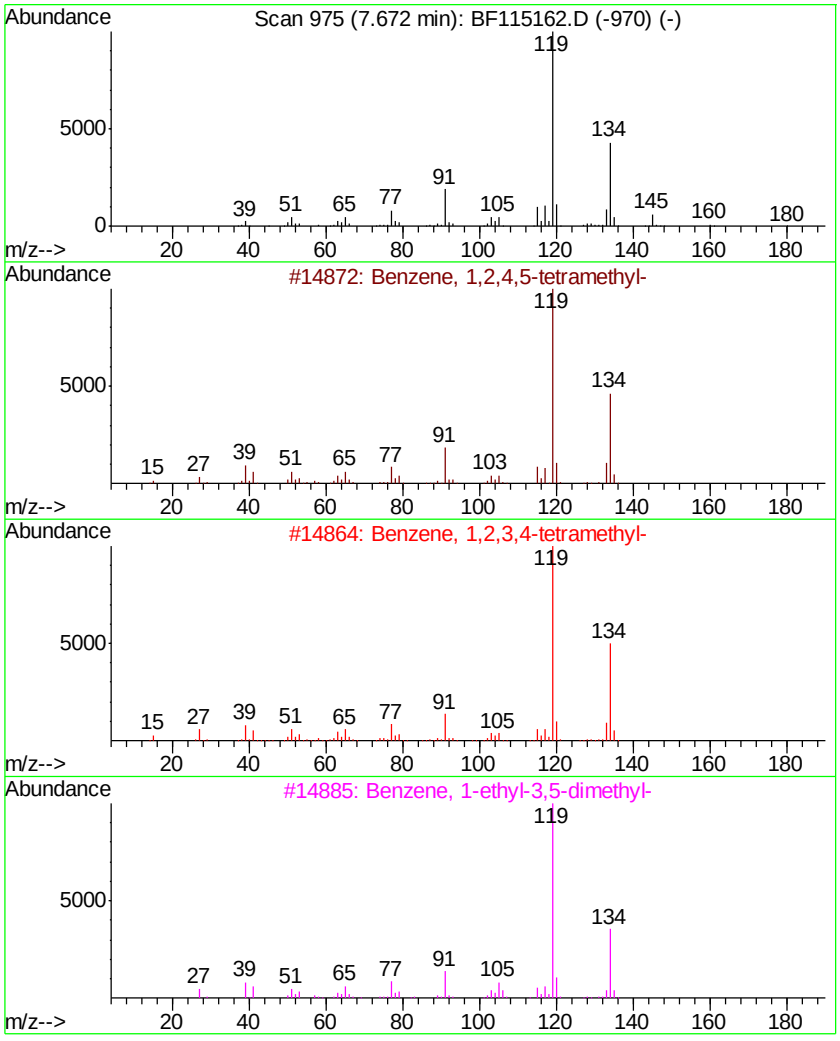
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

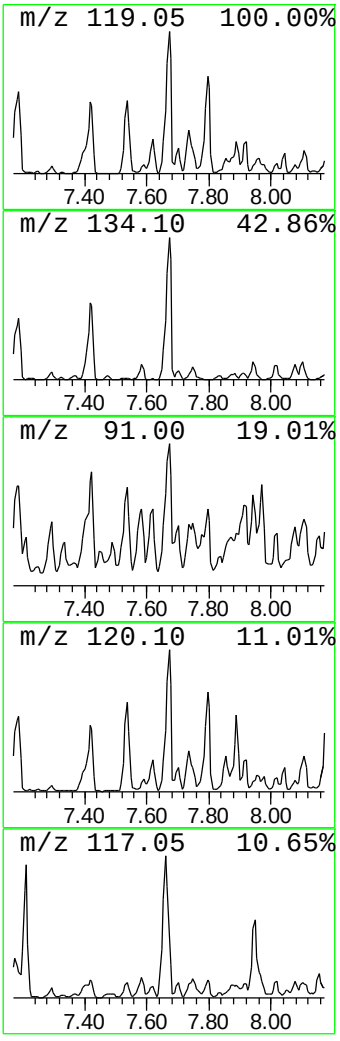
****

Peak Number 17 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	62.77 ng	8921420	Naphthalene-d8	7.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

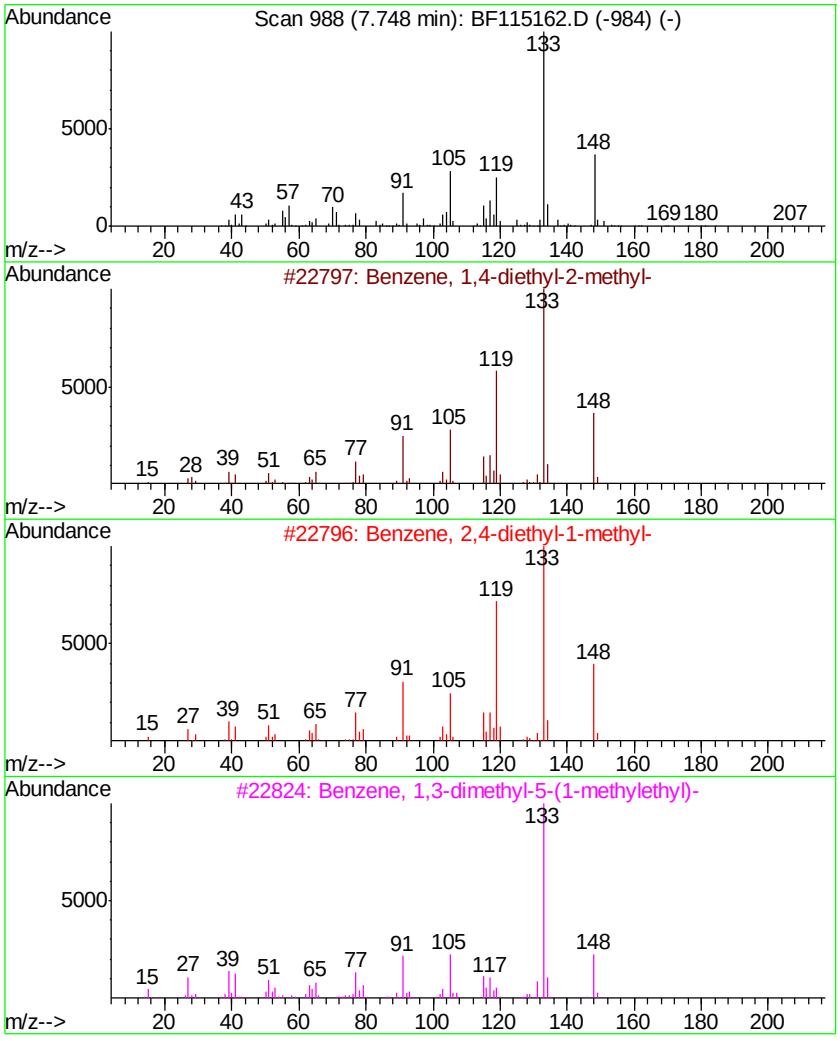
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

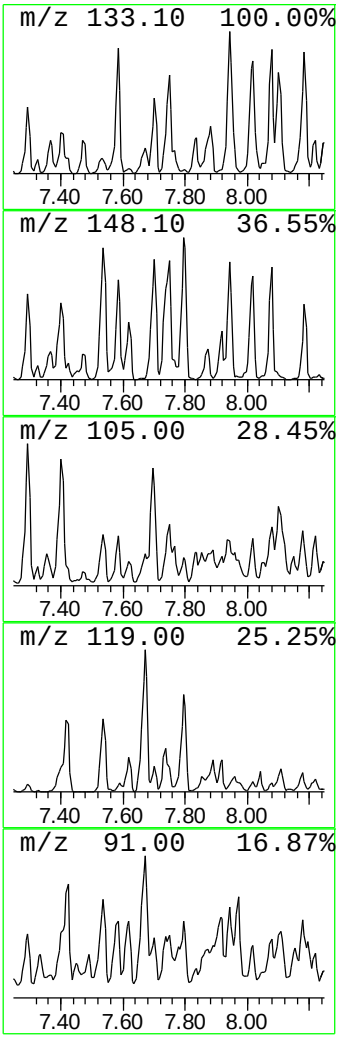
****

Peak Number 18 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	43.17 ng	6136360	Naphthalene-d8	7.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	53
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	53
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	53
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
5	3,4-Dimethylcumene	148	C11H16	1000370-34-1	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

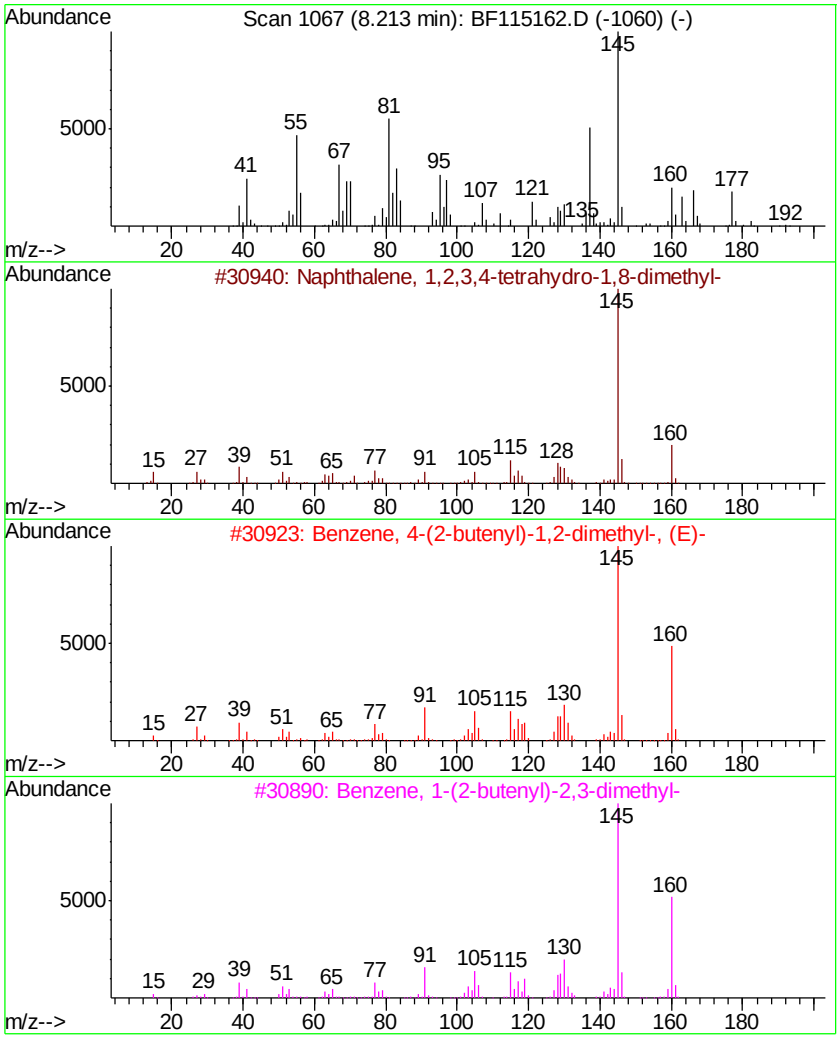
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

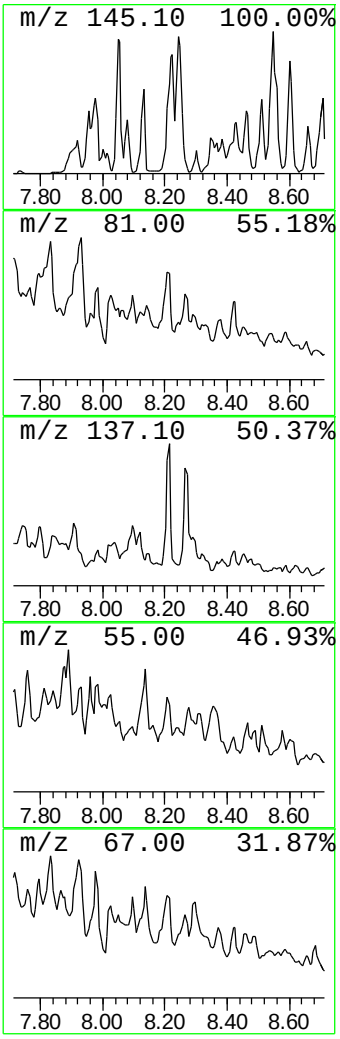
****

Peak Number 19 unknown8.21 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	35.23 ng	5007860	Naphthalene-d8	7.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	45
2	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	45
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	45
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	43
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

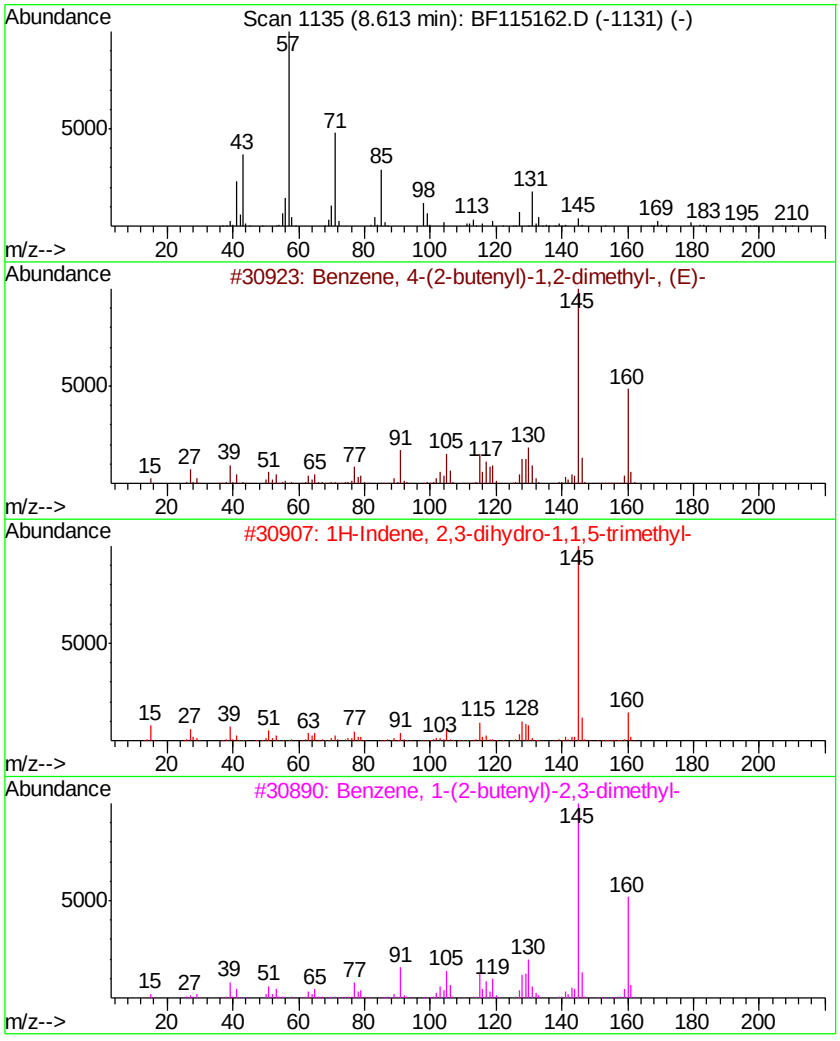
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

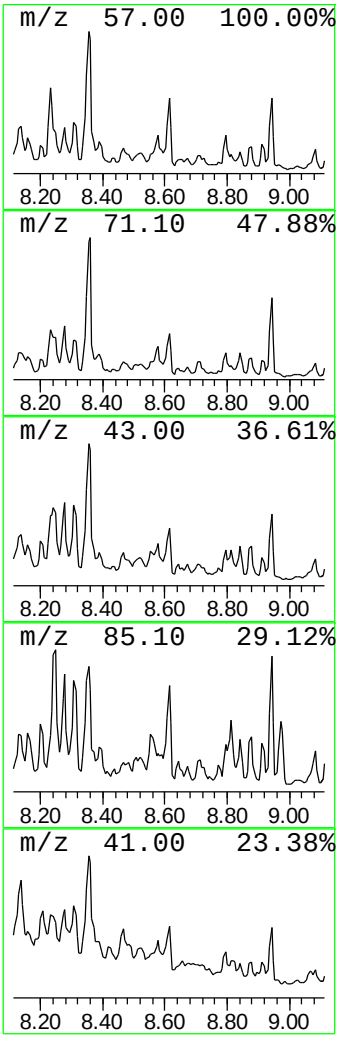
****

Peak Number 20 unknown8.61 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.61	34.02 ng	4835110	Naphthalene-d8	7.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	49
2	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	49
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	49
4	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	49
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062419\
Data File : BF115162.D
Acq On : 24 Jun 2019 22:08
Operator : HP/JU
Sample : K3482-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclohexane, 1,1,...	4.81	42.1	ng	12458900	1	6.63	5919530	20.0
Cyclohexane, 1,2,...	5.02	37.1	ng	10967500	1	6.63	5919530	20.0
Cyclopentane, 2-e...	5.40	42.5	ng	12577900	1	6.63	5919530	20.0
Cyclohexane, 1-et...	5.48	40.0	ng	11854400	1	6.63	5919530	20.0
Cyclohexane, 1-et...	5.65	54.9	ng	16235000	1	6.63	5919530	20.0
Hexane, 2,3,3-tri...	5.72	47.9	ng	14168900	1	6.63	5919530	20.0
Cis-bicyclo[4.2.0...	5.79	55.4	ng	16398900	1	6.63	5919530	20.0
Nonane, 3-methyl-	5.90	43.5	ng	12870800	1	6.63	5919530	20.0
Heptane, 4-propyl-	5.97	35.7	ng	10554800	1	6.63	5919530	20.0
Oxalic acid, isob...	6.10	65.3	ng	19336200	1	6.63	5919530	20.0
Octane, 3,5-dimet...	6.17	47.4	ng	14031000	1	6.63	5919530	20.0
unknown6.40	6.40	88.4	ng	26168300	1	6.63	5919530	20.0
Benzene, 1,2-diet...	6.90	34.3	ng	10157000	1	6.63	5919530	20.0
Benzene, 1-ethyl-...	7.30	55.0	ng	7818380	2	7.91	2842580	20.0
unknown7.45	7.45	48.6	ng	6910280	2	7.91	2842580	20.0
unknown7.62	7.62	41.0	ng	5828280	2	7.91	2842580	20.0
Benzene, 1,2,4,5-...	7.67	62.8	ng	8921420	2	7.91	2842580	20.0
Benzene, 1,4-diet...	7.75	43.2	ng	6136360	2	7.91	2842580	20.0
unknown8.21	8.21	35.2	ng	5007860	2	7.91	2842580	20.0
unknown8.61	8.61	34.0	ng	4835110	2	7.91	2842580	20.0