LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF011019\
Data File : BF112005.D
Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

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-BF010719.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	5.045	491	503	507	rBV3	700738	1497000	11.46%	0.410%
2	5.098	507	512	517	rVV	1338289	1508298	11.55%	0.414%
3	5.298	541	546	550	rBV2	1522779	1791001	13.71%	0.491%
4	5.504	579	581	584	rVB	1492015	1224835	9.38%	0.336%
5	5.663	604	608	612	rBV2	1492144	2157381	16.52%	0.592%
6	5.704	612	615	618	rVB	1851905	1711809	13.11%	0.469%
7	5.745	618	622	629	rVB2	1454544	2161270	16.55%	0.593%
8	5.916	642	651	654	rBV3	2419700	4168749	31.92%	1.143%
9	5.963	654	659	662	rBV2	1407912	2275490	17.42%	0.624%
10	6.051	667	674	678	rVB3	4054285	5976603	45.77%	1.639%
11	6.098	678	682	686	rBV3	1665657	2951089	22.60%	0.809%
12	6.145	686	690	697	rBV2	7549488	12651176	96.88%	3.469%
13	6.204	697	700	703	rVB	4051071	3896390	29.84%	1.068%
14	6.239	703	706	708	rBV3	951232	945290	7.24%	0.259%
15	6.281	712	713	717	rVB2	1169473	1074791	8.23%	0.295%
16	6.334	717	722	727	rBV3	4834576	8453445	64.73%	2.318%
17	6.392	730	732	735	rVB	1101296	888675	6.81%	0.244%
18	6.434	735	739	746	rVB4	5295425	9506056	72.79%	2.606%
19	6.516	746	753	756	rBV3	2597913	4256754	32.60%	1.167%
20	6.545	756	758	760	rBV	1497252	1569534	12.02%	0.430%
21	6.569	760	762	765	rVB3	2099267	1771711	13.57%	0.486%
22	6.598	765	767	769	rVB	1576294	1299649	9.95%	0.356%
23	6.651	769	776	779	rBV4	4696793	11468946	87.82%	3.145%
24	6.722	785	788	789	rBV	1909966	1719333	13.17%	0.471%
25	6.751	791	793	797	rVB3	2754449	3177284	24.33%	0.871%
26	6.845	800	809	811	rBV5	3107217	6422600	49.18%	1.761%
27	6.887	814	816	818	rVV2	2334869	2700103	20.68%	0.740%
28	6.916	819	821	825	rVB2	4132311	4716192	36.11%	1.293%
29	6.957	825	828	832	rBV3	3753481	5609181	42.95%	1.538%
30	6.998	832	835	836	rBV2	1965972	2008619	15.38%	0.551%
31	7.051	840	844	848	rVV3	5566906	7265948	55.64%	1.992%
32	7.139	855	859	862	rBV4	3021998	5186333	39.71%	1.422%
33	7.175	862	865	869	rVB2	5230403	7342904	56.23%	2.013%
34	7.222	869	873	875	rBV2	3209463	3673358	28.13%	1.007%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF011019\
Data File : BF112005.D
Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

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-BF010719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.251	875	878	881	rBV3	1672841	2148633	16.45%	0.589%
36	7.304	881	887	889	rBV4	5390242	8729165	66.84%	2.393%
37	7.328	889	891	896	rVB5	2474436	2945369	22.55%	0.808%
38	7.392	899	902	904	rBV3	916340	1079402	8.27%	0.296%
39	7.434	904	909	913	rBV3	7142822	13058877	100.00%	3.580%
40	7.545	924	928	932	rVB4	6380094	10572649	80.96%	2.899%
41	7.592	932	936	937	rBV3	2881561	3636360	27.85%	0.997%
42	7.681	949	951	953	rBV2	1453962	1431691	10.96%	0.393%
43	7.792	967	970	972	rVV3	3161207	4608309	35.29%	1.263%
44	7.816	972	974	975	rVV2	5054881	4610835	35.31%	1.264%
45	7.833	975	977	981	rVV3	6028918	7297578	55.88%	2.001%
46	7.875	981	984	986	rVB4	2462114	2710630	20.76%	0.743%
47	7.934	986	994	996	rBV3	4754014	8375997	64.14%	2.297%
48	8.010	1004	1007	1012	rVB6	2966734	4517467	34.59%	1.239%
49	8.057	1012	1015	1017	rBV	2718552	3184103	24.38%	0.873%
50	8.133	1025	1028	1029	rBV	2230998	2089321	16.00%	0.573%
51	8.151	1029	1031	1033	rVV	2070684	1777316	13.61%	0.487%
52	8.181	1033	1036	1039	rVV3	3533904	4352248	33.33%	1.193%
53	8.239	1044	1046	1048	rVV2	3580248	4390111	33.62%	1.204%
54	8.263	1048	1050	1052	rVV	4326040	4121451	31.56%	1.130%
55	8.286	1052	1054	1056	rVB3	1780712	1496680	11.46%	0.410%
56	8.351	1061	1065	1066	rBV4	2198204	2411475	18.47%	0.661%
57	8.392	1070	1072	1073	rBV	1727722	1229106	9.41%	0.337%
58	8.486	1082	1088	1091	rVB6	4985262	8052603	61.66%	2.208%
59	8.545	1096	1098	1100	rVB2	1418095	1012163	7.75%	0.278%
60	8.581	1100	1104	1107	rVB4	2662696	3768076	28.85%	1.033%
61	8.633	1107	1113	1116	rBV2	8291594	12965547	99.29%	3.555%
62	8.704	1121	1125	1128	rBV2	4634878	5961423	45.65%	1.634%
63	8.745	1128	1132	1134	rBV4	2218478	3159169	24.19%	0.866%
64	8.857	1148	1151	1153	rVB2	3003098	2917169	22.34%	0.800%
65	8.886	1153	1156	1159	rVB3	4103297	4335144	33.20%	1.189%
66	8.945	1163	1166	1168	rVB2	2359177	1963220	15.03%	0.538%
67	8.980	1168	1172	1174	rBV4	2267704	3716533	28.46%	1.019%
68	9.004	1174	1176	1177	rBV2	1408050	1062143	8.13%	0.291%
69	9.022	1177	1179	1181	rVB2	2956427	2372879	18.17%	0.651%
70	9.080	1187	1189	1191	rBV3	1292612	1288187	9.86%	0.353%
71	9.104	1191	1193	1196	rVB3	3570226	3700186	28.33%	1.015%

LSC Area Percent Report

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Data File : BF112005.D
Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

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-BF010719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.133	1196	1198	1200	rBV2	1913626	1660521	12.72%	0.455%
73	9.163	1200	1203	1206	rVB4	2035882	1979605	15.16%	0.543%
74	9.228	1209	1214	1217	rVB2	7340822	9130382	69.92%	2.503%
75	9.357	1231	1236	1239	rBV4	3888924	5680256	43.50%	1.557%
76	9.392	1240	1242	1244	rVV2	1339030	1447996	11.09%	0.397%
77	9.422	1245	1247	1249	rVB2	2069166	1802327	13.80%	0.494%
78	9.580	1271	1274	1276	rBV3	1412583	1558044	11.93%	0.427%
79	9.604	1276	1278	1280	rVV2	2133062	2013071	15.42%	0.552%
80	9.627	1280	1282	1285	rVB3	2482847	2472040	18.93%	0.678%
81	9.675	1285	1290	1292	rBV2	7381837	9816473	75.17%	2.691%
82	9.692	1292	1293	1296	rVB	1510211	1070671	8.20%	0.294%
83	9.722	1296	1298	1300	rBV3	1322602	1264823	9.69%	0.347%
84	9.816	1312	1314	1317	rVB3	1414225	1250162	9.57%	0.343%
85	9.863	1320	1322	1324	rVB	1955678	1383522	10.59%	0.379%
86	9.975	1339	1341	1343	rBV3	1237594	876584	6.71%	0.240%
87	10.039	1350	1352	1357	rVB2	1627263	1996406	15.29%	0.547%
88	10.086	1357	1360	1361	rBV2	818416	900017	6.89%	0.247%
89	10.127	1365	1367	1373	rVV3	1952209	2917729	22.34%	0.800%
90	10.186	1374	1377	1385	rVB4	2390640	4145522	31.74%	1.137%
91	10.257	1386	1389	1391	rBV	1478479	1658407	12.70%	0.455%
92	10.345	1400	1404	1408	rBV5	1197167	1691209	12.95%	0.464%
93	10.480	1423	1427	1432	rBV3	1138159	1501807	11.50%	0.412%
94	10.580	1439	1444	1449	rVV	3527450	4087386	31.30%	1.121%
95	10.622	1449	1451	1456	rVB4	644189	910668	6.97%	0.250%
96	10.845	1485	1489	1492	rBV	3952650	3849351	29.48%	1.055%
97	11.298	1563	1566	1572	rVB2	1494115	1751152	13.41%	0.480%
98	11.433	1587	1589	1592	rVV	1475135	1171452	8.97%	0.321%
99	12.986	1849	1853	1856	rVB	1507467	1391167	10.65%	0.381%
100	14.021	2025	2029	2031	rBV	1242795	1272477	9.74%	0.349%

Sum of corrected areas: 364728239

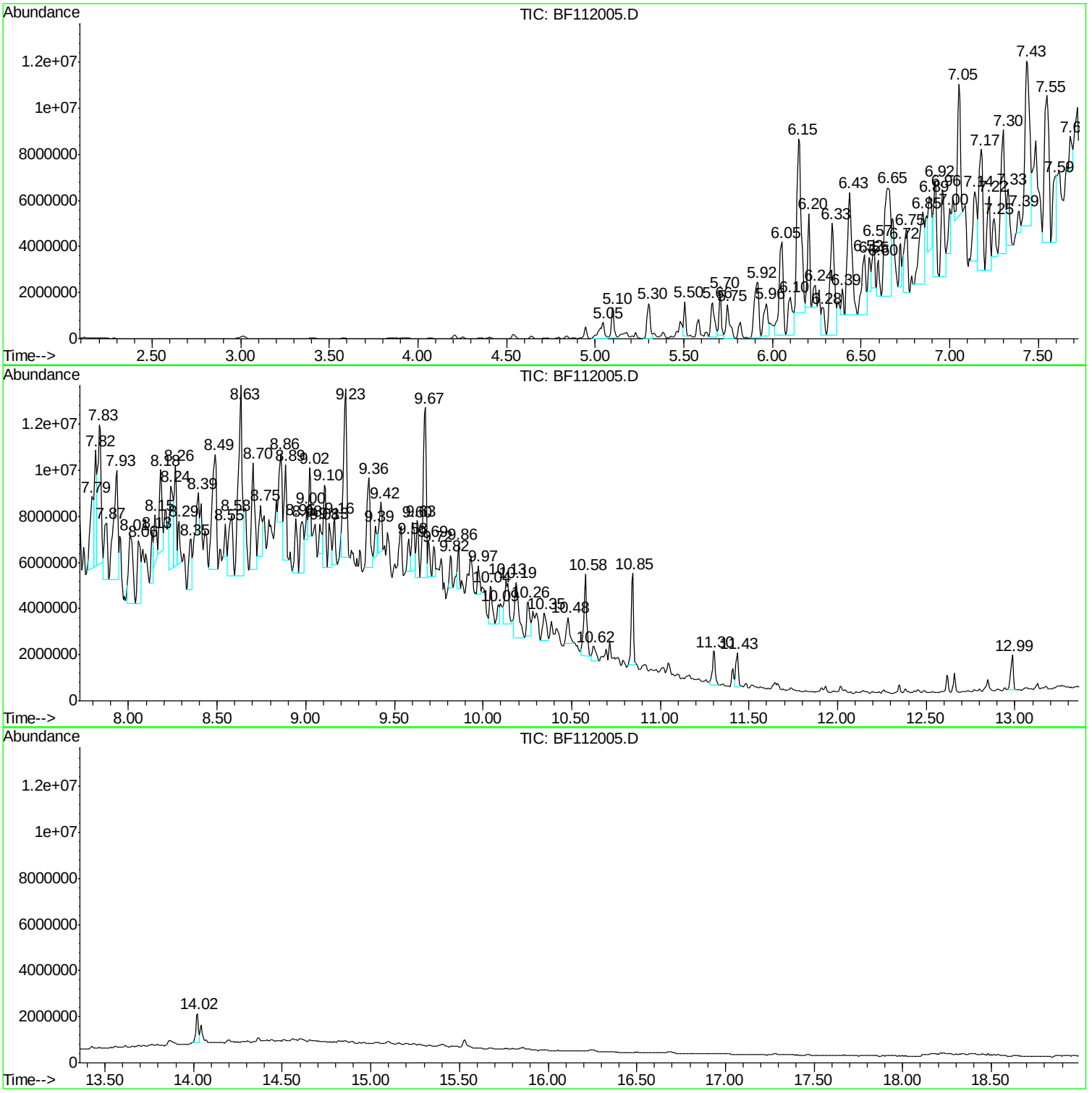
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF011019\
Data File : BF112005.D
Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF011019\
Data File : BF112005.D
Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

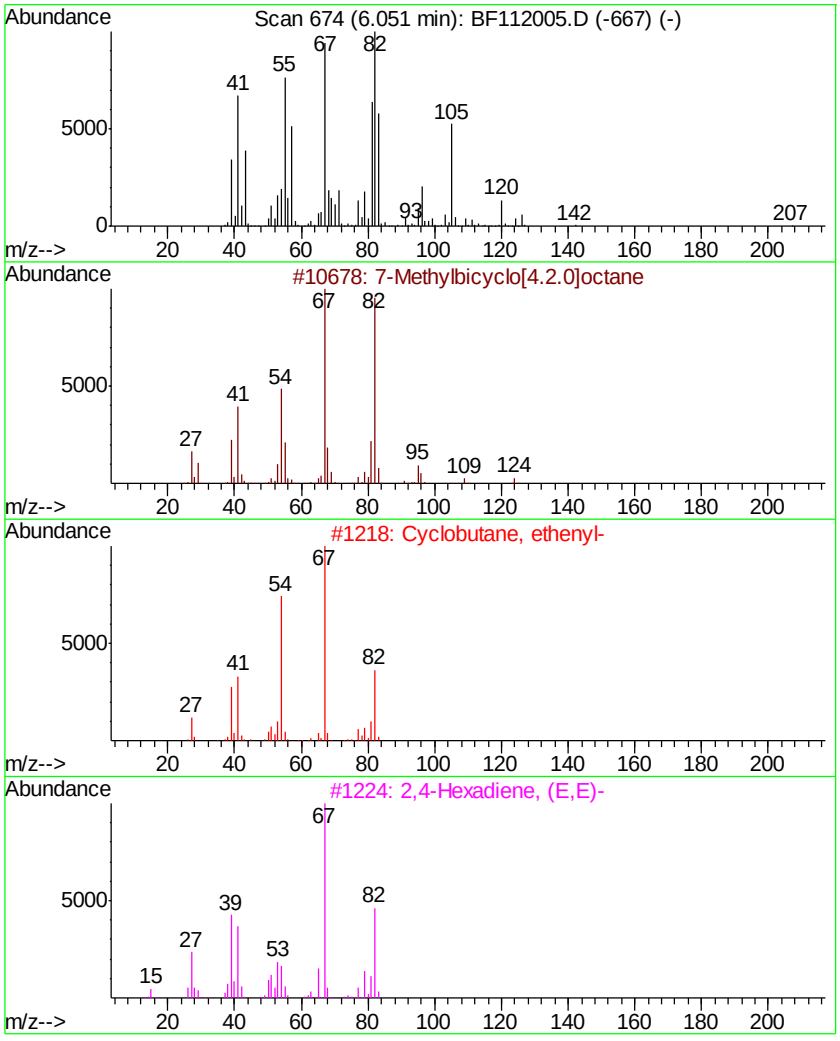
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

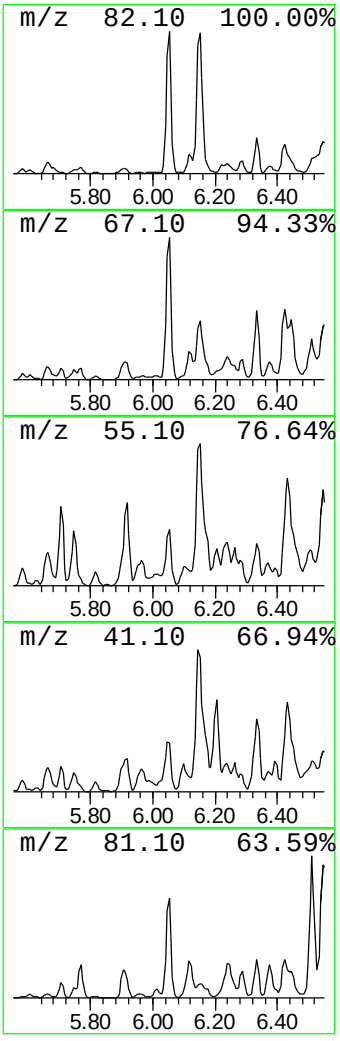
****

Peak Number 1 7-Methylbicyclo[4.2.0]octane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	44.27 ng	5976600	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	58
2	Cyclobutane, ethenyl-	82	C6H10	002597-49-1	49
3	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	49
4	Cis-bicyclo[4.2.0]octane	110	C8H14	028282-35-1	47
5	2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	47





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF011019\
Data File : BF112005.D
Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

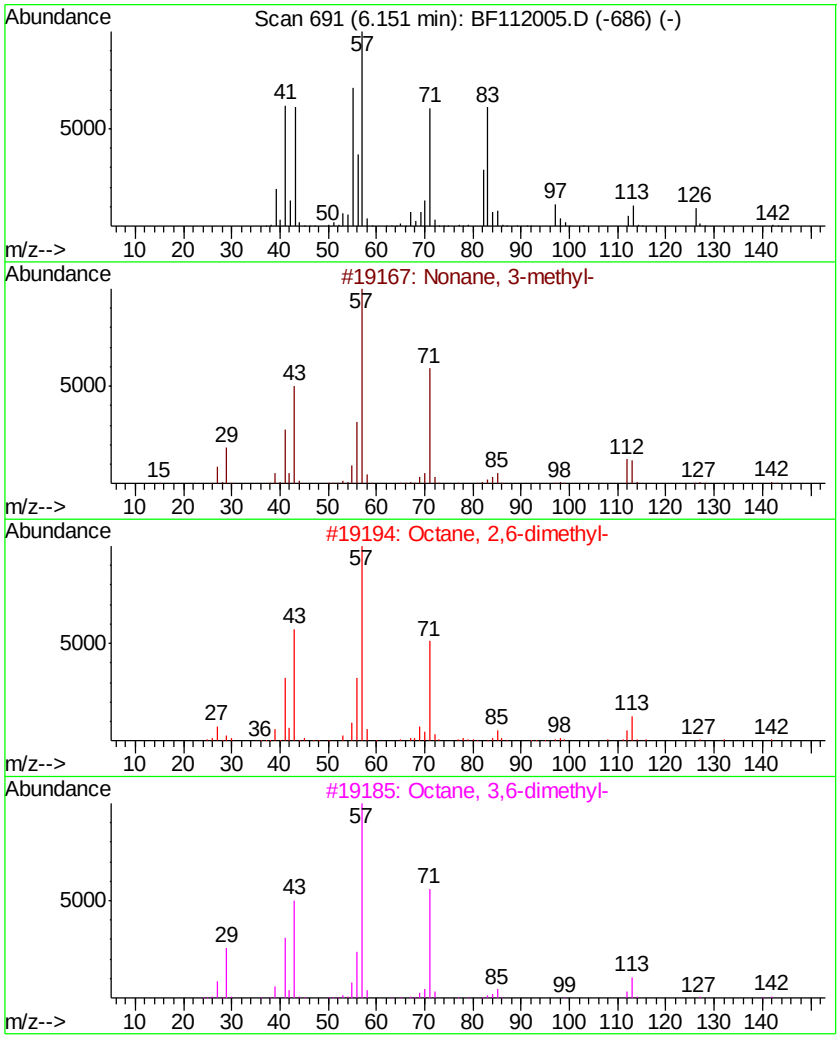
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

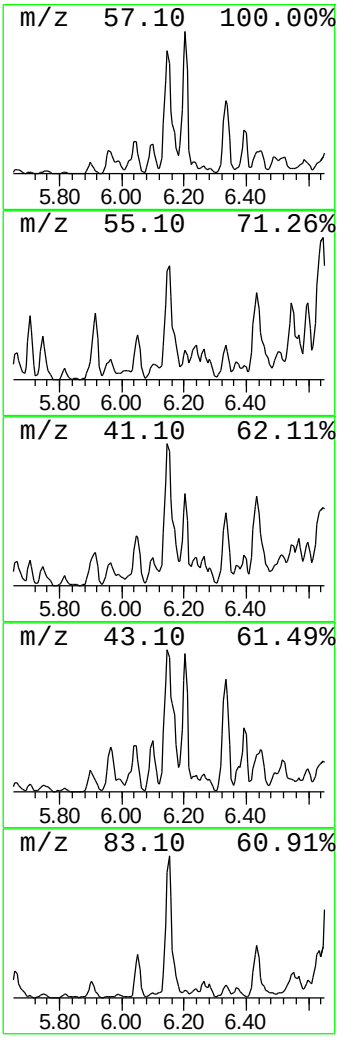
****

Peak Number 2 Nonane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.15	93.71 ng	12651200	1,4-Dichlorobenzene-d4	6.89

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	43
4	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	38
5	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	35





Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF011019\
Data File : BF112005.D
Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

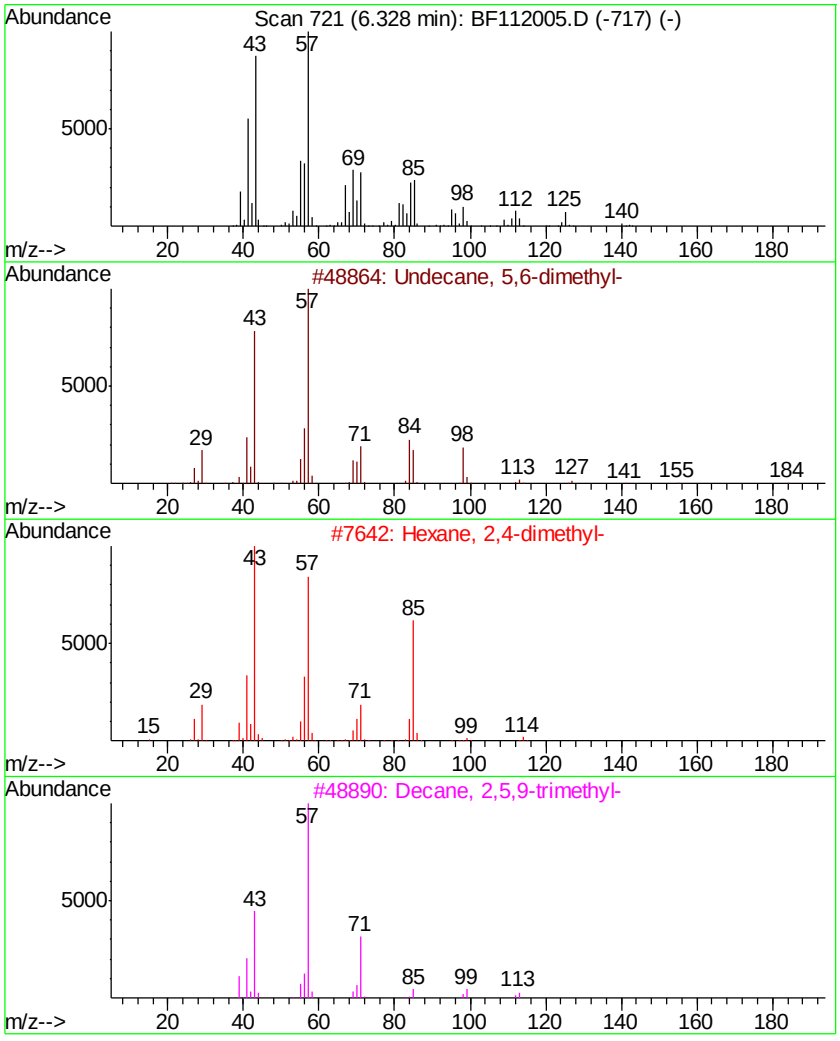
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

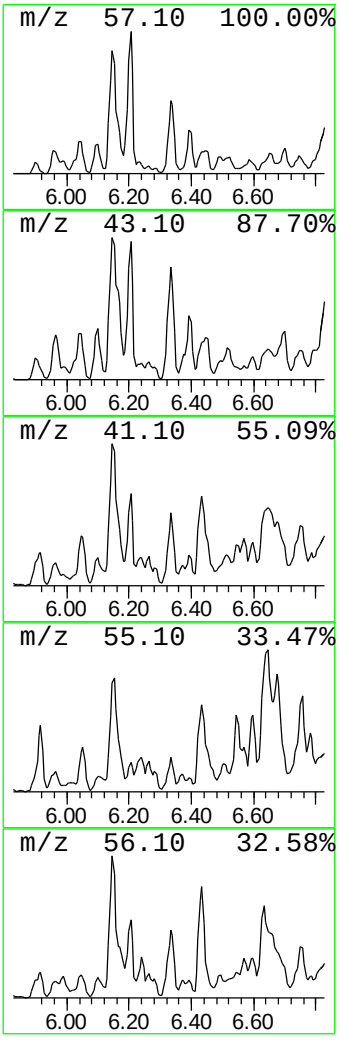
****

Peak Number 3 unknown6.33 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	62.62 ng	8453450	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	47
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	38
3	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	38
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	35
5	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	35





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF011019\
Data File : BF112005.D
Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

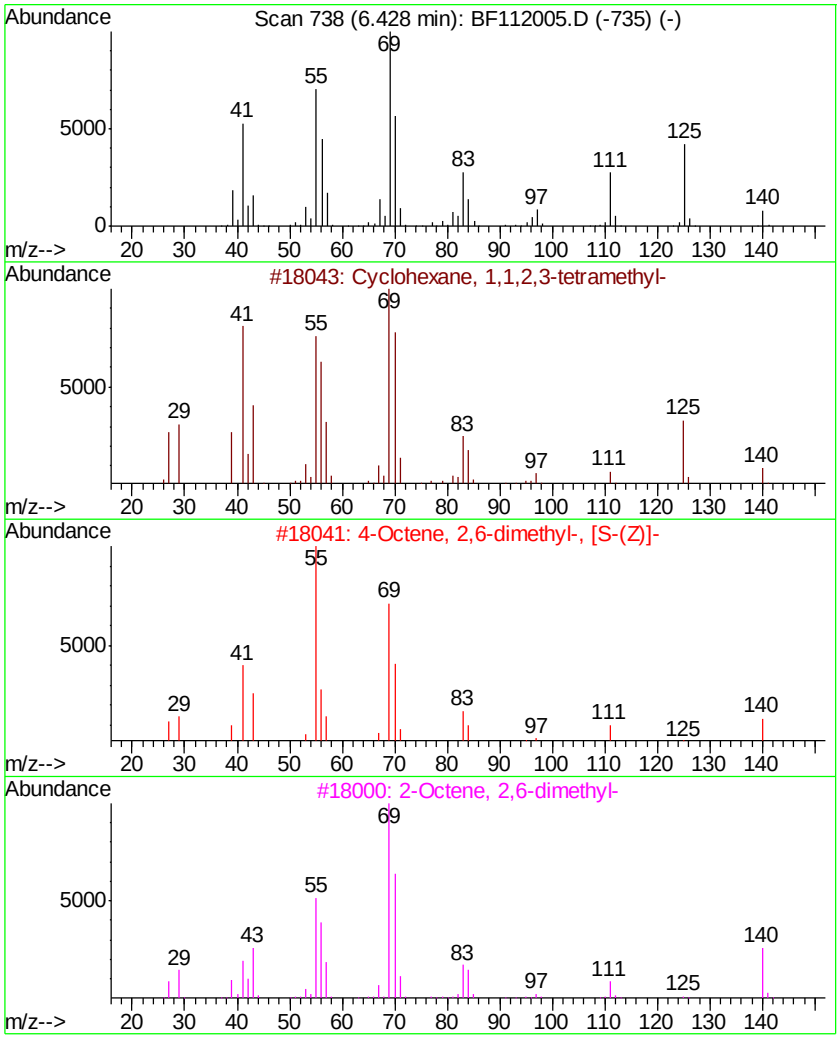
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

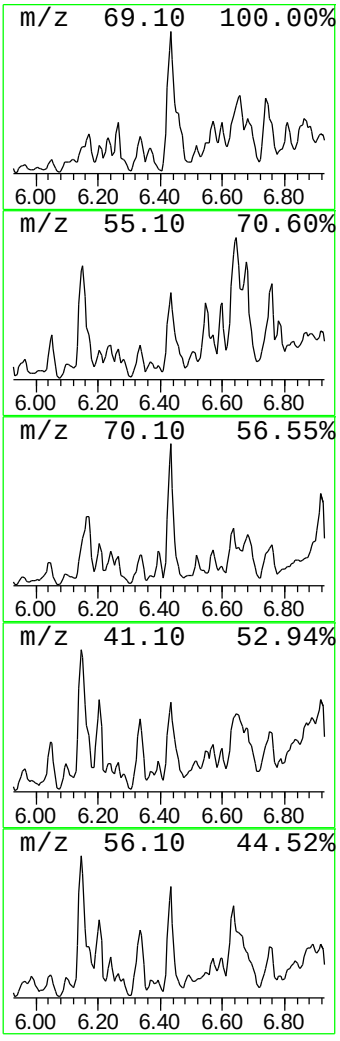
****

Peak Number 4 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	70.41 ng	9506060	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	93
2	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	59
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	52
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	50





Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF011019\
Data File : BF112005.D
Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

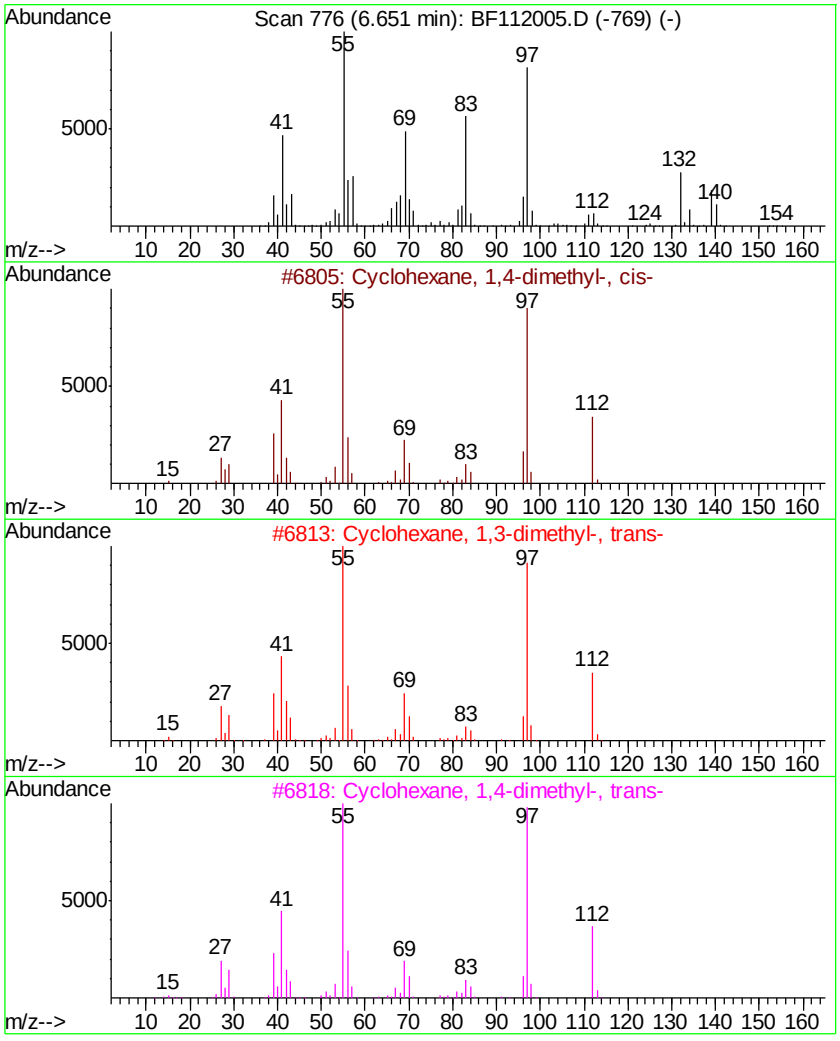
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

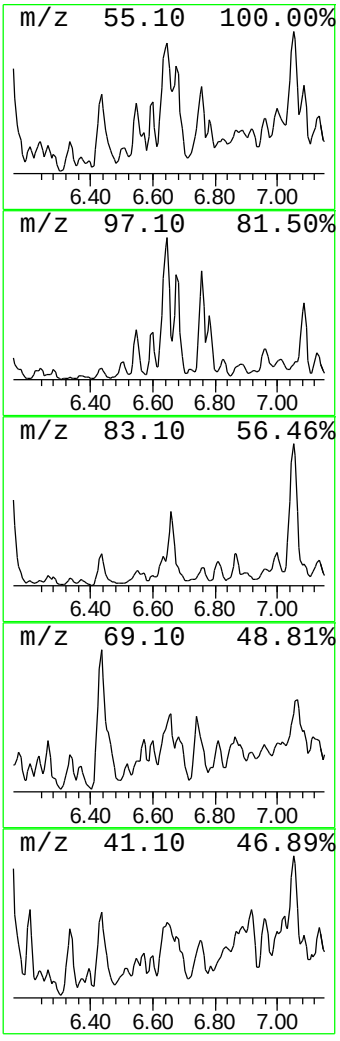
****

Peak Number 5 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	84.95 ng	11468900	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	60
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	53
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	49
4	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	49
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	49





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Data File : BF112005.D
Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

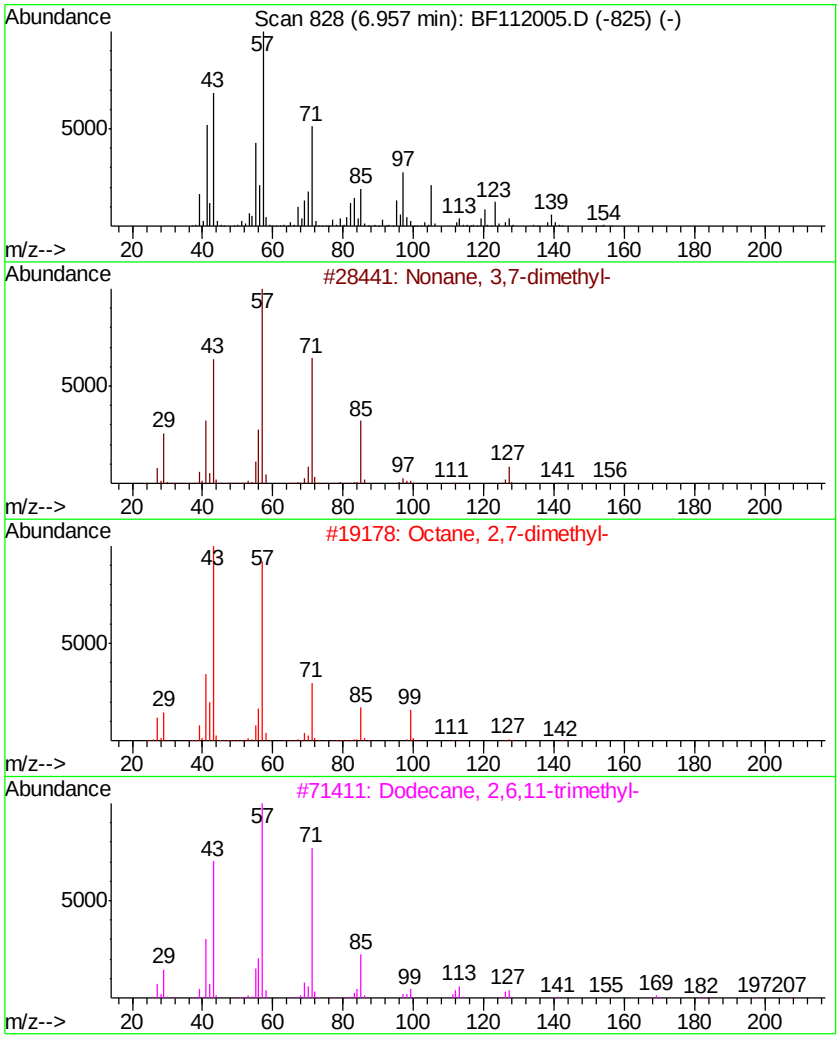
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

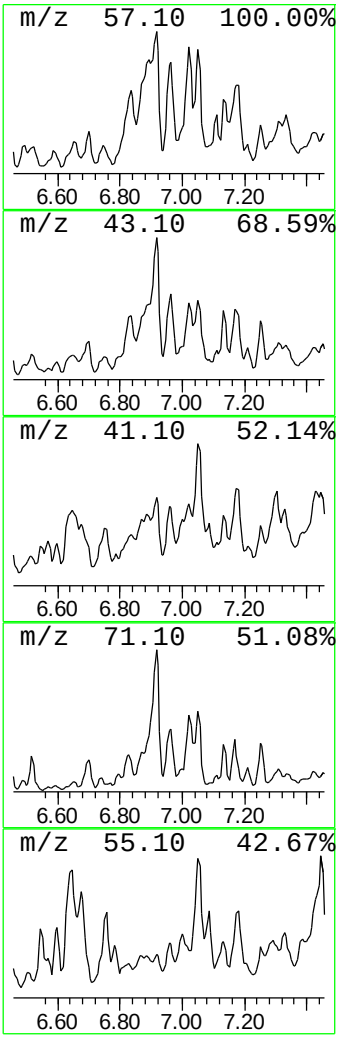
****

Peak Number 6 unknown6.96 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	41.55 ng	5609180	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	47
2	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	43
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	43
4	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	43
5	Hexadecane	226	C16H34	000544-76-3	38





Library Search Compound Report

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Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

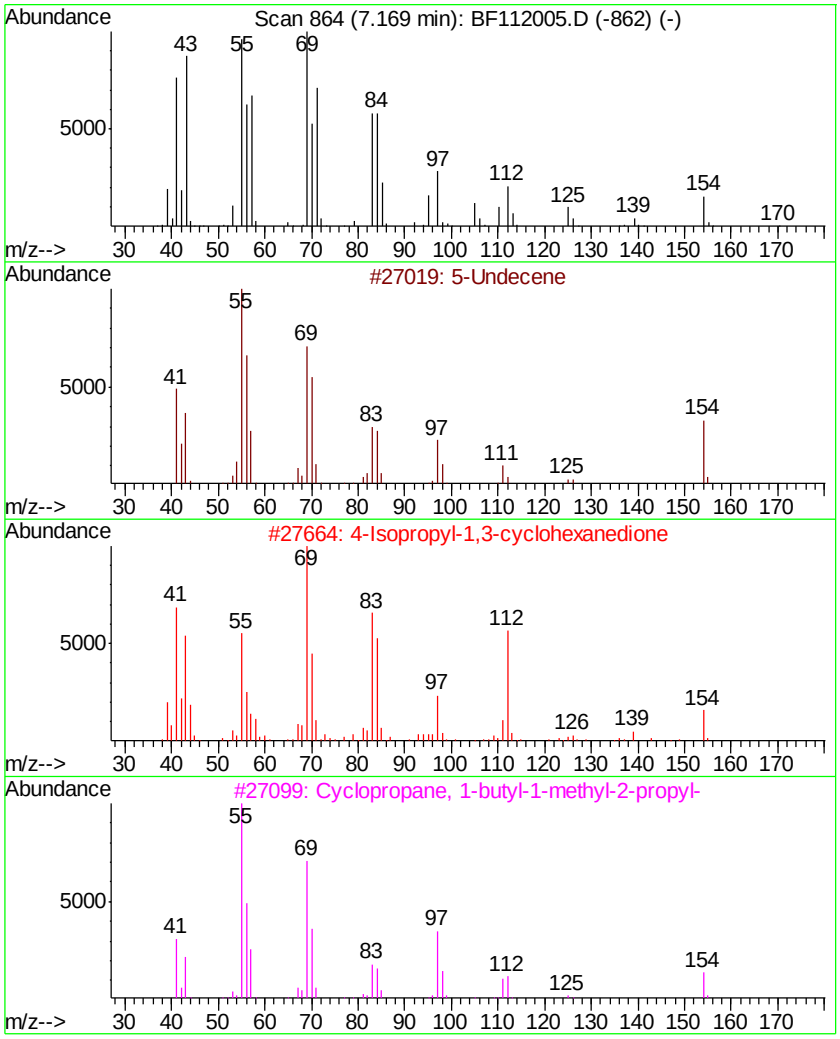
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

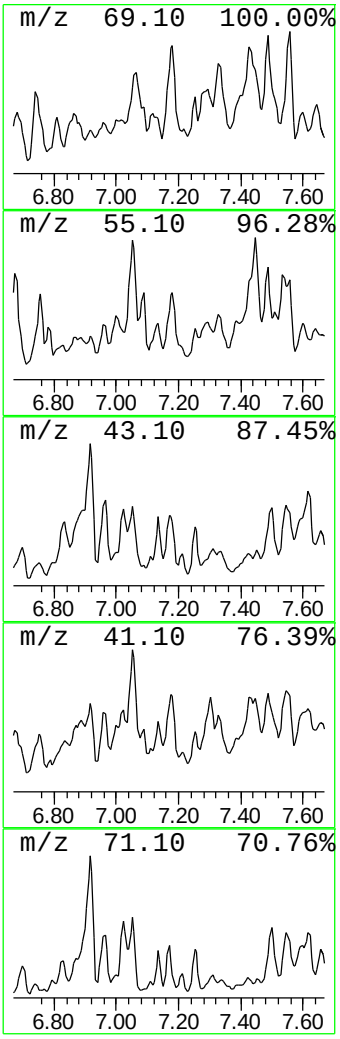
****

Peak Number 8 5-Undecene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	54.39 ng	7342900	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Undecene	154	C11H22	004941-53-1	68
2	4-Isopropyl-1,3-cyclohexanedione	154	C9H14O2	062831-62-3	64
3	Cyclopropane, 1-butyl-1-methyl-2...	154	C11H22	041977-34-8	58
4	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	52
5	4-Decene, 5-methyl-, (E)-	154	C11H22	062338-51-6	49





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Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

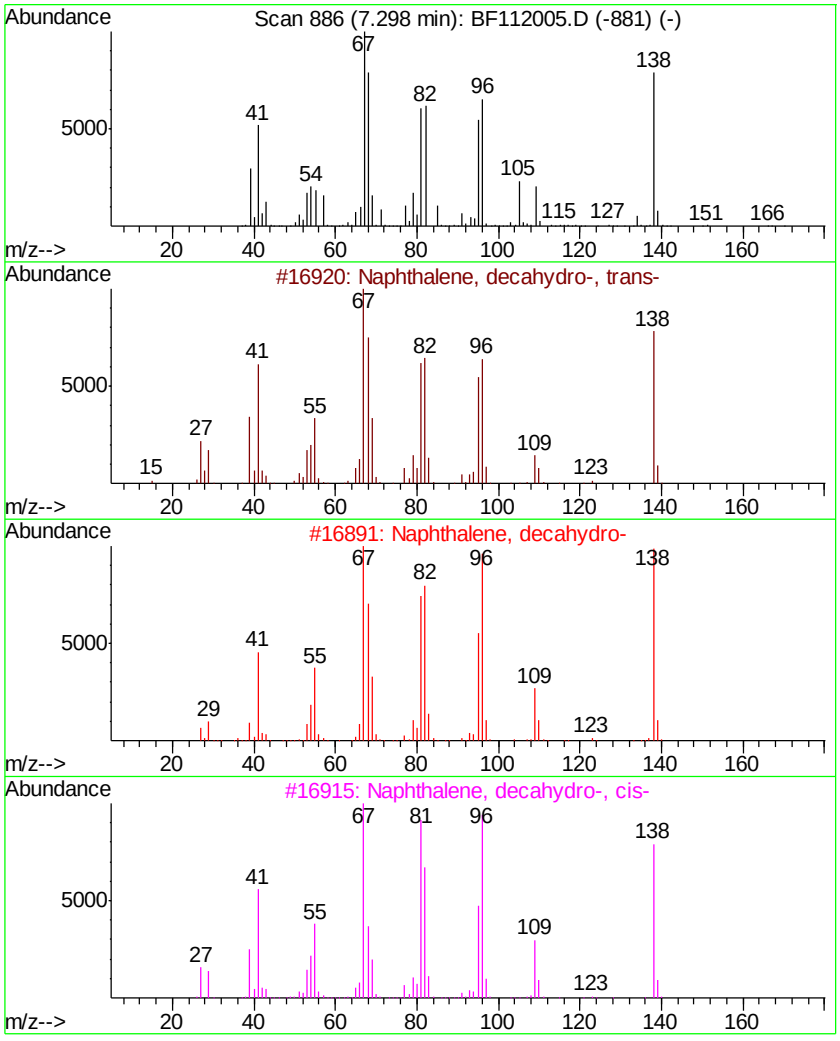
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

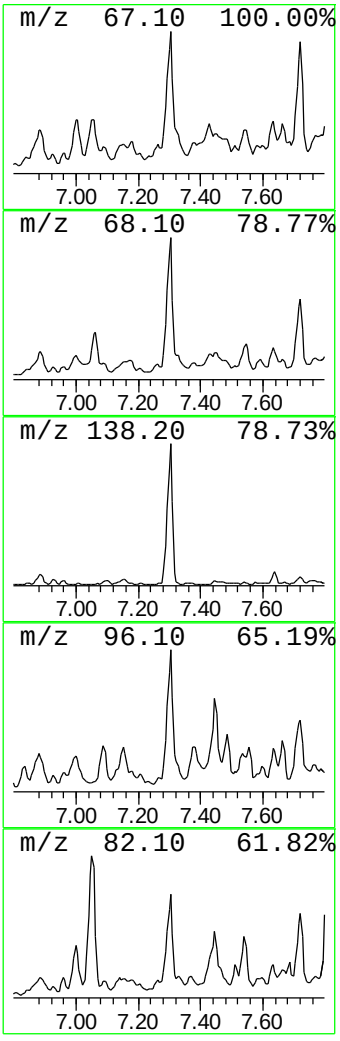
****

Peak Number 9 Naphthalene, decahydro-, tr... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	64.66 ng	8729170	1,4-Dichlorobenzene-d4	6.89

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	89
4	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	81
5	Spiro[4.5]decane	138	C10H18	000176-63-6	70





Library Search Compound Report

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Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

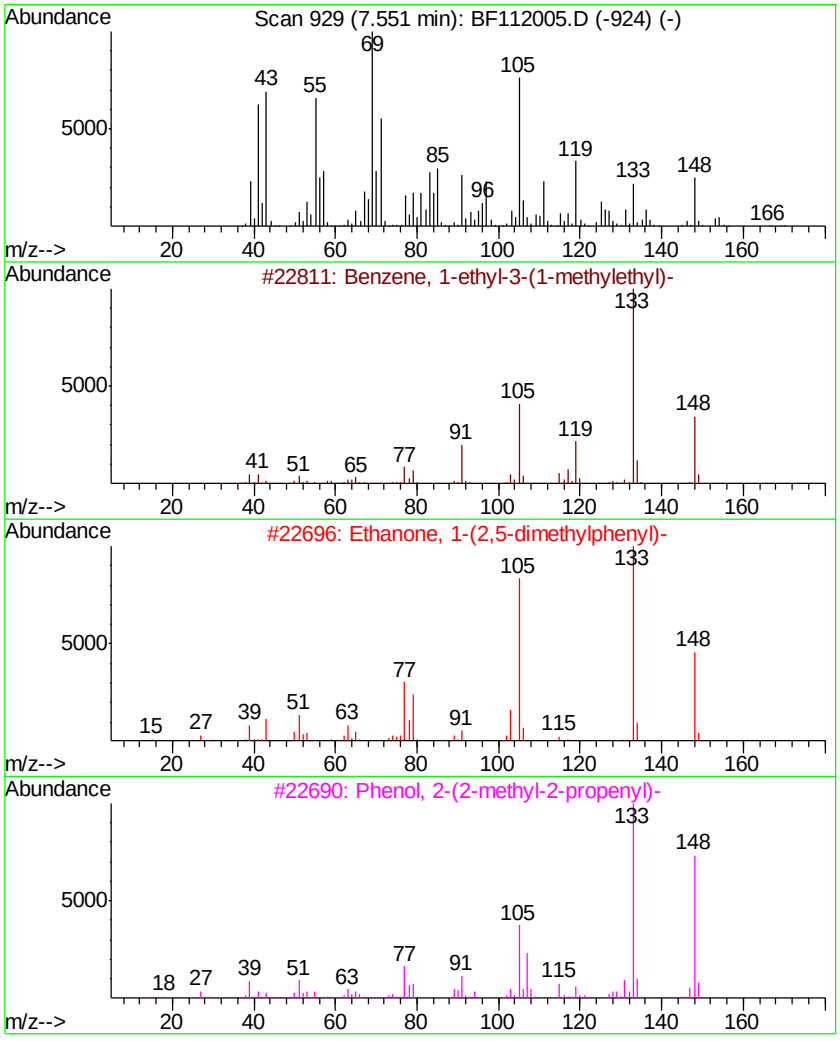
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

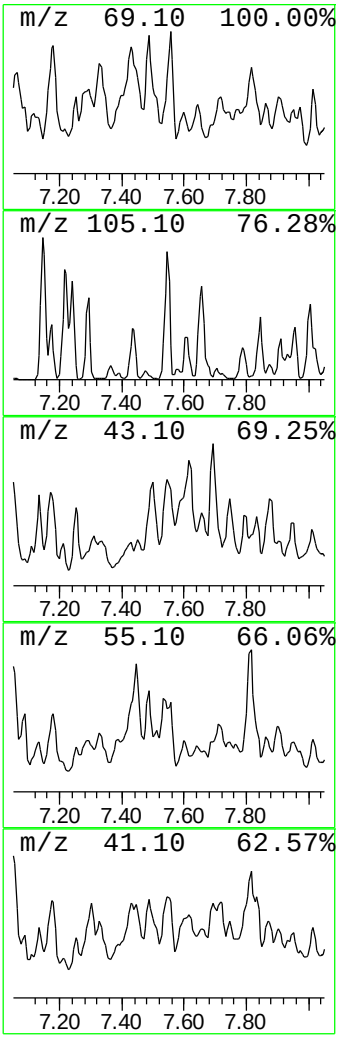
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	48.58 ng	10572600	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	72
2	Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	25
3	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	20
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	18
5	Propanal, 2-methyl-3-phenyl-	148	C10H12O	1000131-87-6	18





Library Search Compound Report

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Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

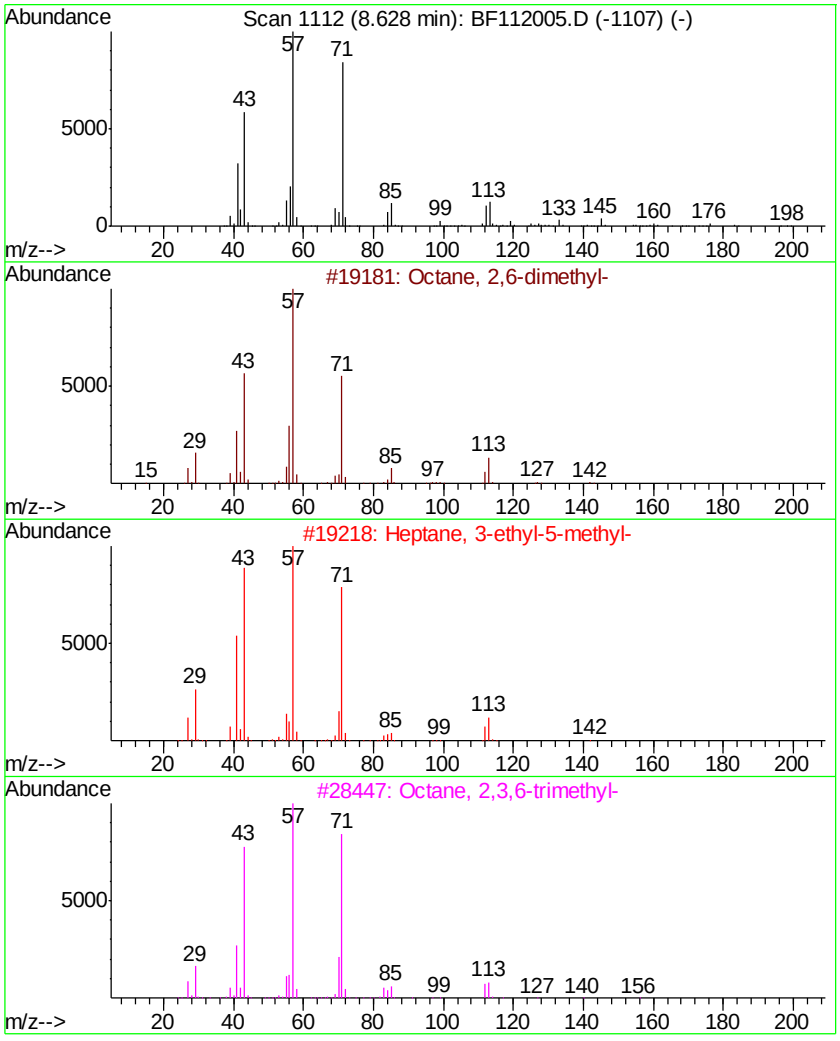
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

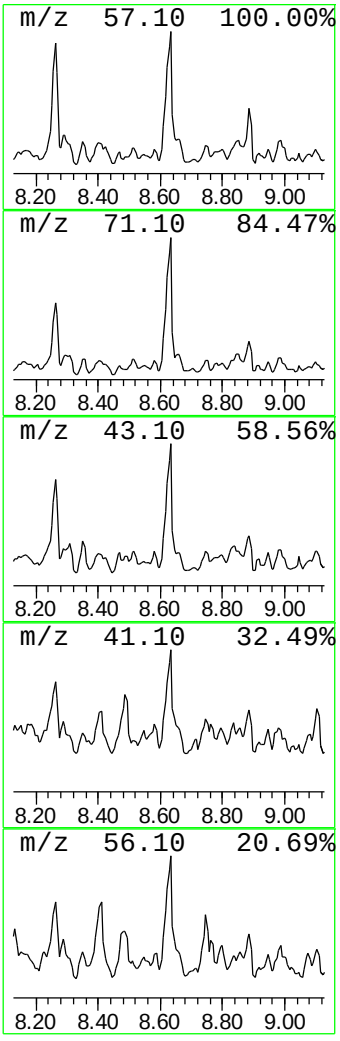
****

Peak Number 11 Octane, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	59.58 ng	12965500	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	80
3	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	78
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
5	Heptane, 3-[(ethenyloxy)methyl]-	156	C10H20O	000103-44-6	64





Library Search Compound Report

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Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

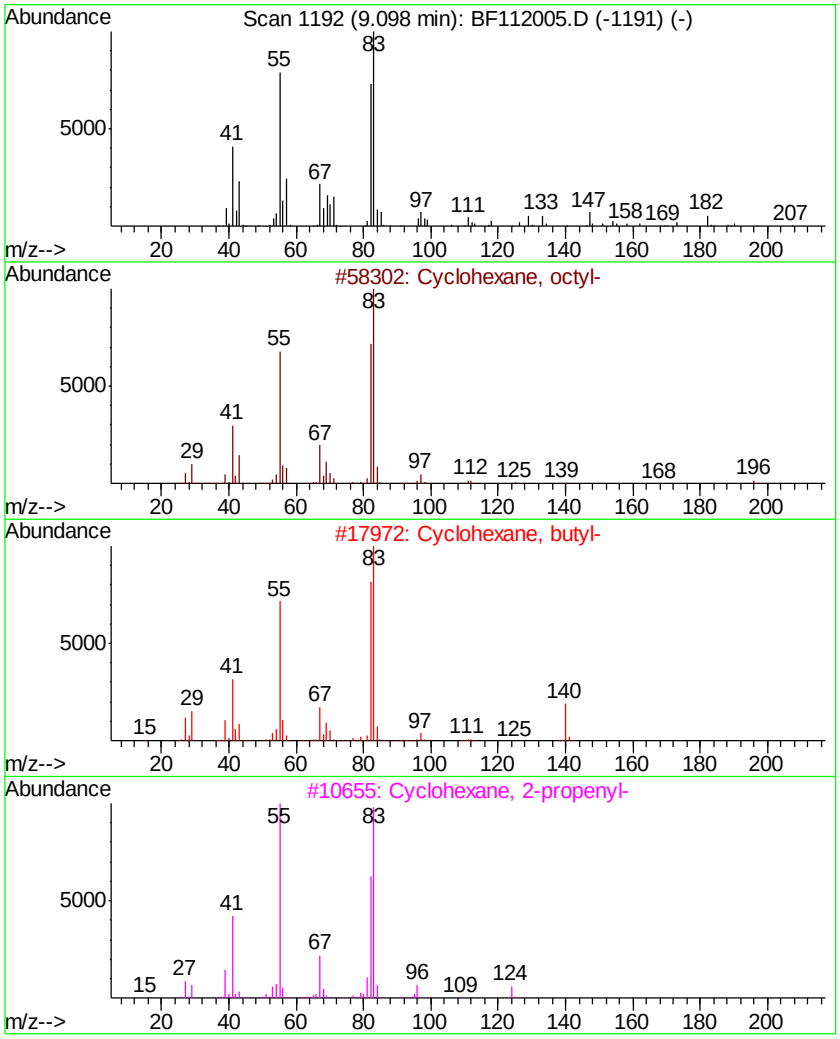
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

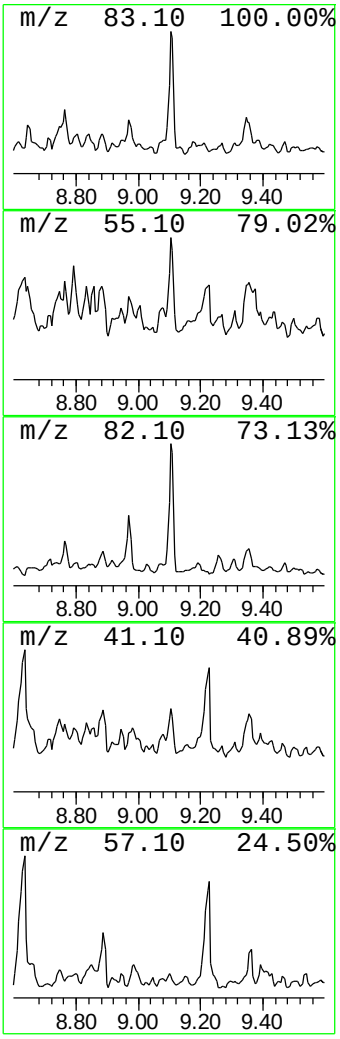
****

Peak Number 12 Cyclohexane, octyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	84.42 ng	3700190	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, octyl-	196	C14H28	001795-15-9	72
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
3	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	56
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50





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Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

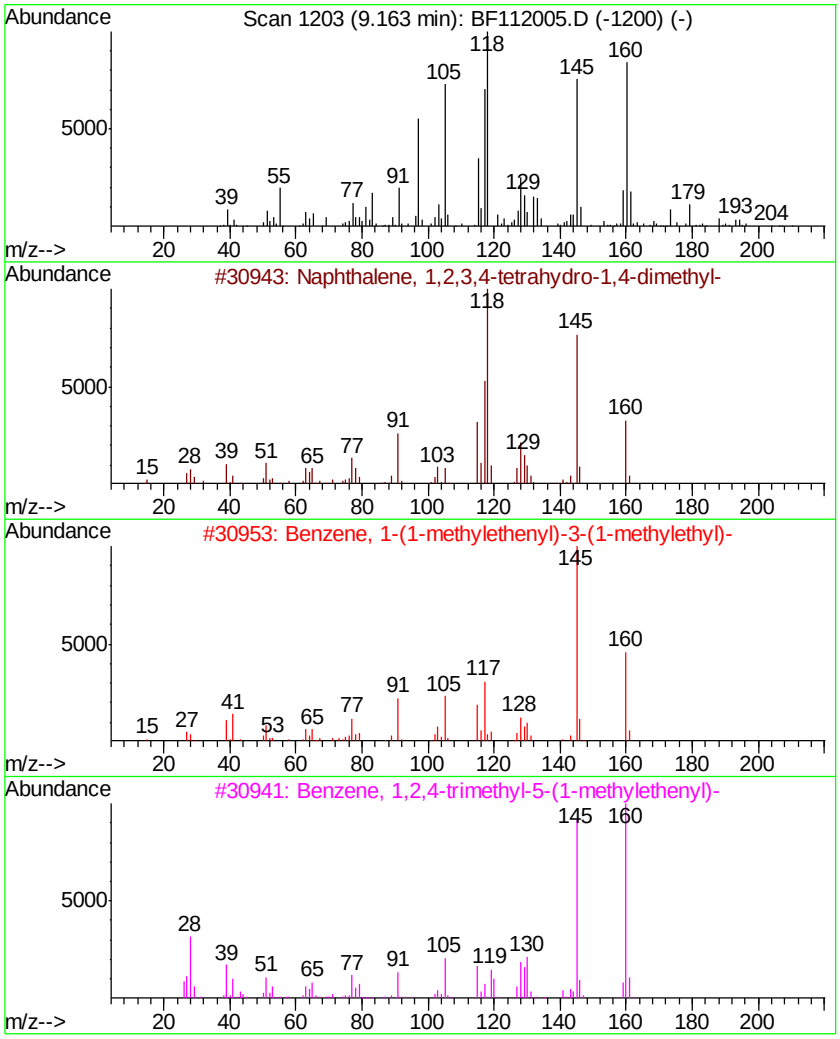
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

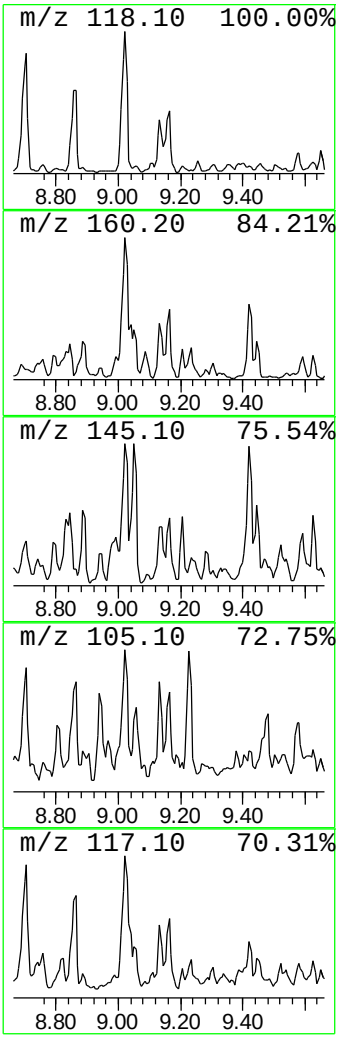
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	45.17 ng	1979610	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	81
2	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	60
3	Benzene, 1,2,4-trimethyl-5-(1-me...	160	C12H16	054340-84-0	50
4	1,2,3,4-Tetrahydro-3-isopropyl-5...	188	C14H20	1000241-59-1	49
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	49





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Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.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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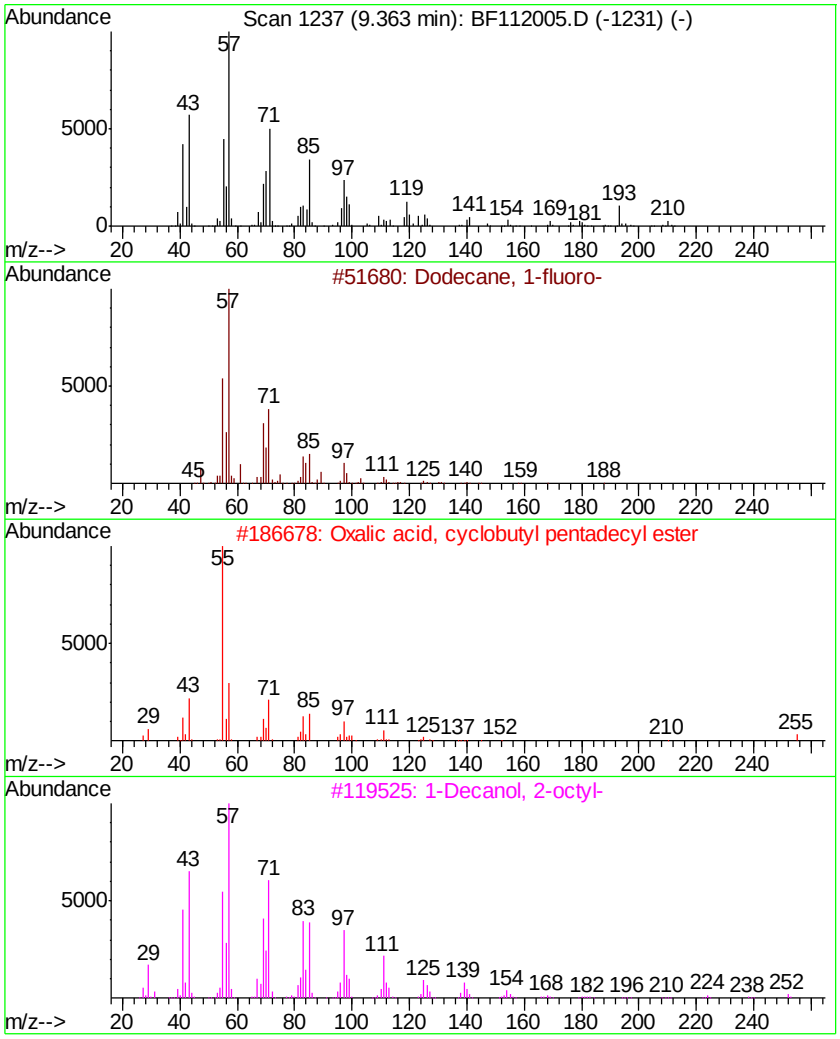
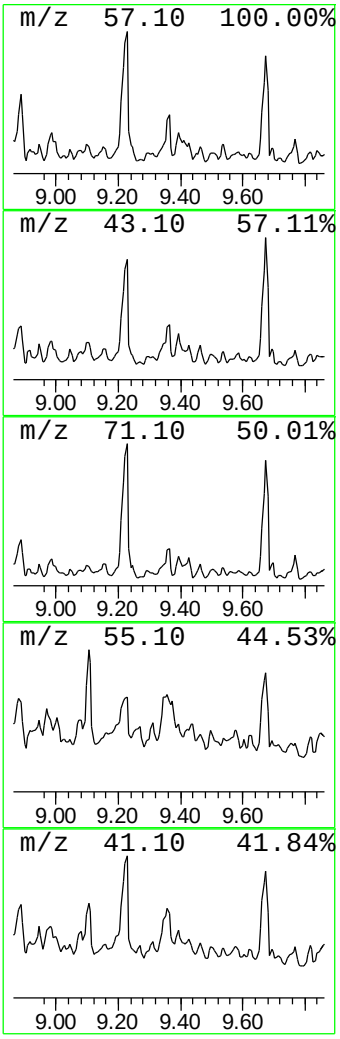
Peak Number 14 Dodecane, 1-fluoro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	129.60 ng	5680260	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-fluoro-	188	C12H25F	000334-68-9	52
2	Oxalic acid, cyclobutyl pentadec...	354	C21H38O4	1000309-70-5	43
3	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	41
4	Cyclododecanol, 1-ethenyl-	210	C14H26O	006244-49-1	38
5	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	30





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Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.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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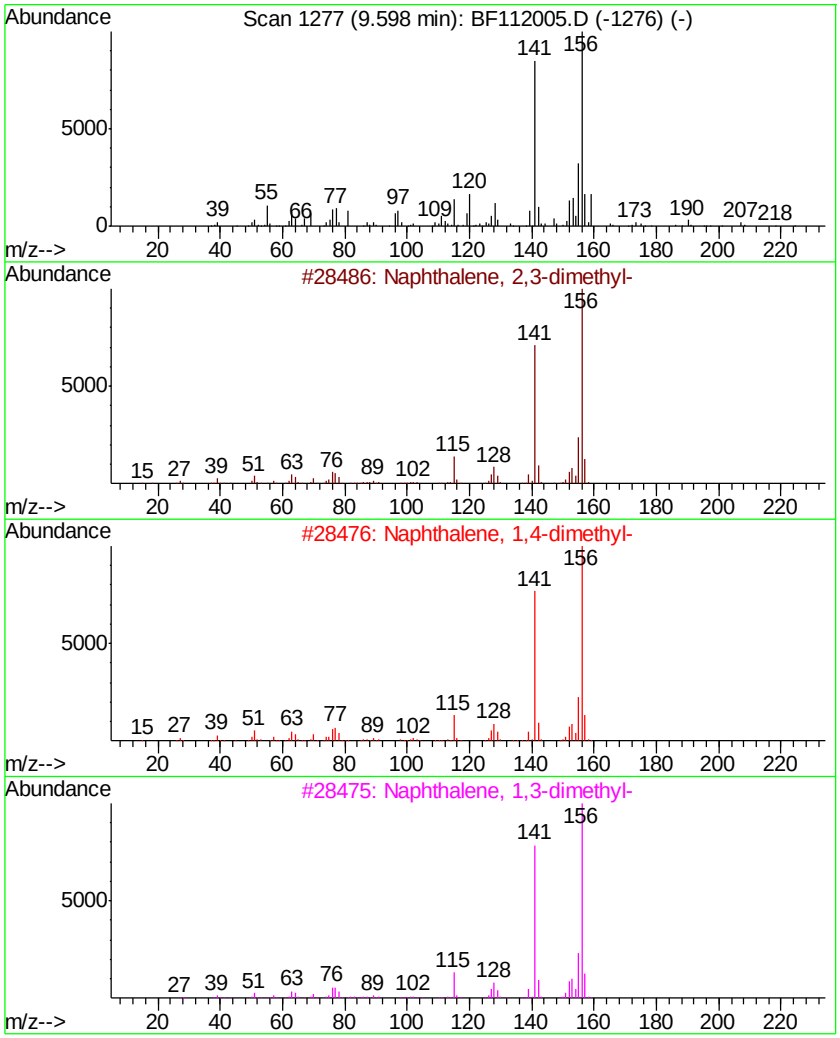
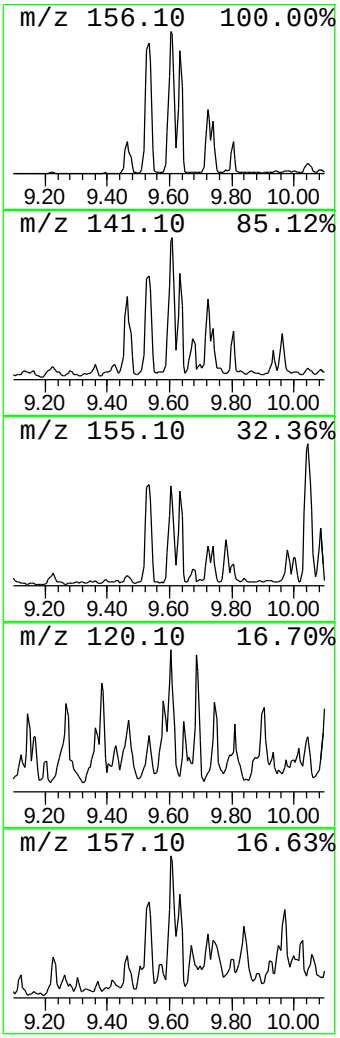
Peak Number 15 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	45.93 ng	2013070	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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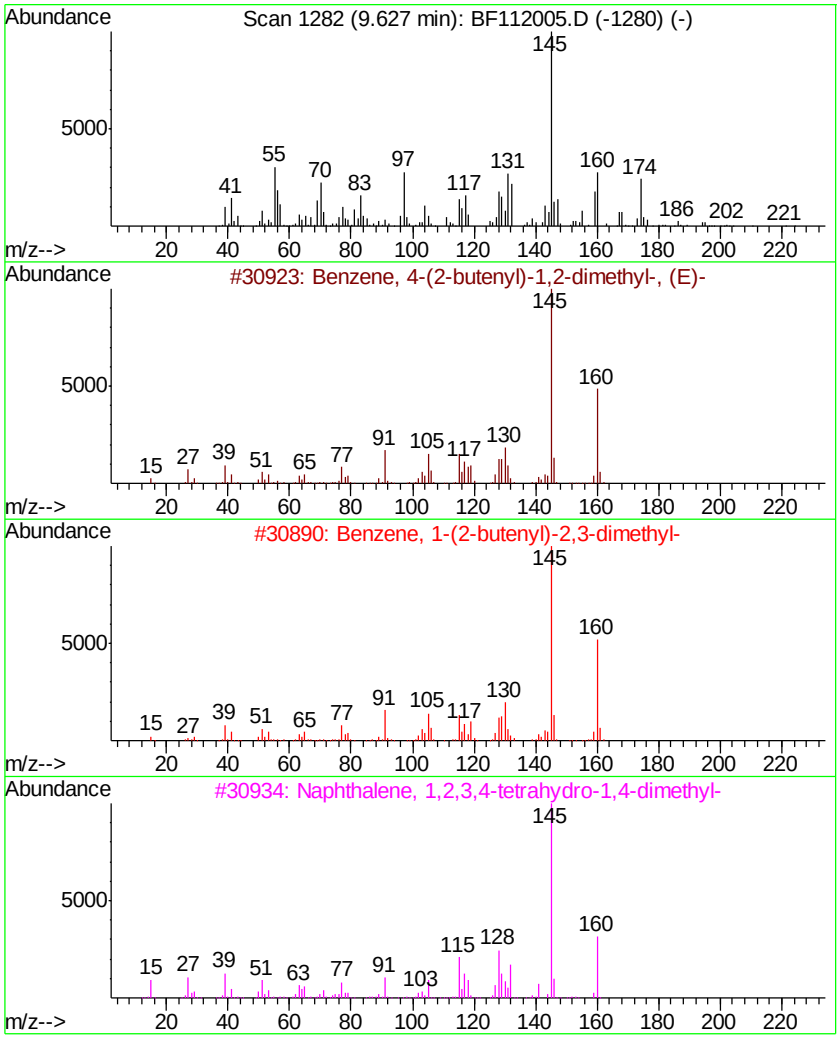
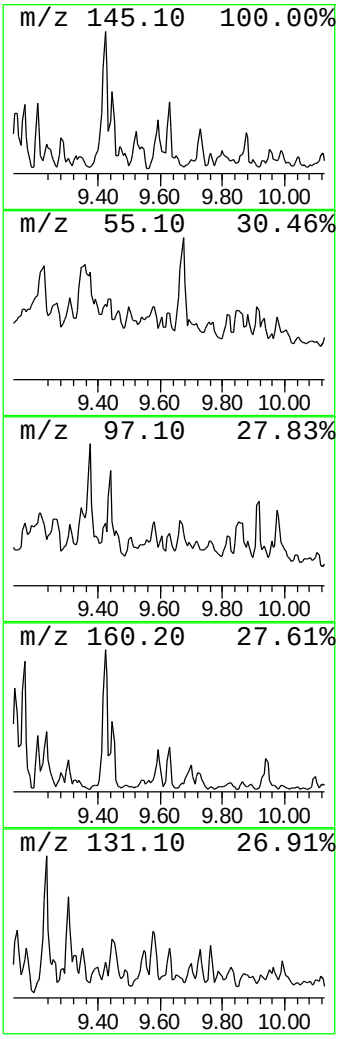
Peak Number 16 Benzene, 4-(2-butenyl)-1,2-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	56.40 ng	2472040	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	60
2	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	55
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	55
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	53
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	52





Library Search Compound Report

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Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.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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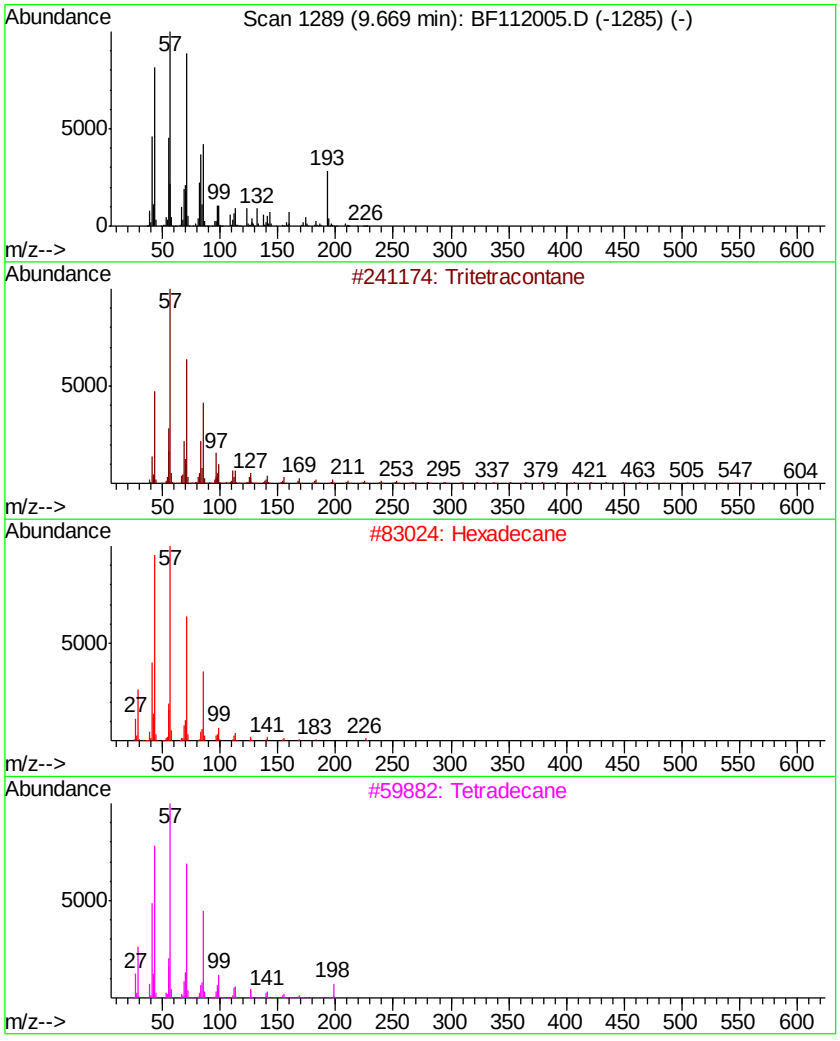
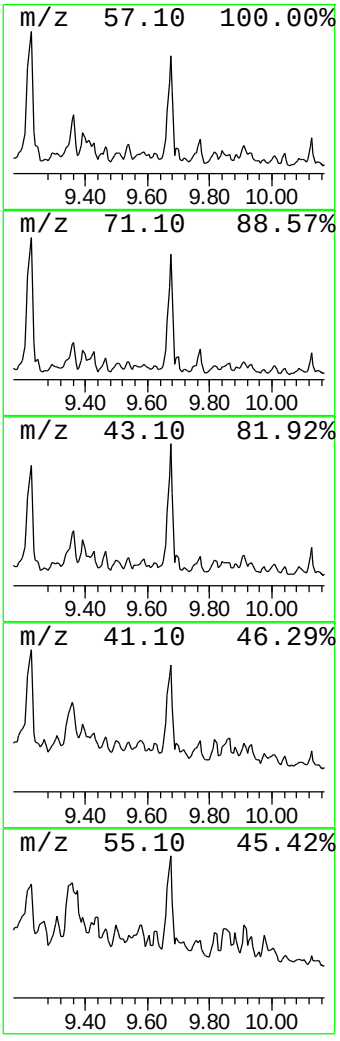
Peak Number 17 Tritetracontane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	223.97 ng	9816470	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritetracontane	605	C43H88	007098-21-7	90
2	Hexadecane	226	C16H34	000544-76-3	83
3	Tetradecane	198	C14H30	000629-59-4	80
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
5	Decane, 5-propyl-	184	C13H28	017312-62-8	70





Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF011019\
Data File : BF112005.D
Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.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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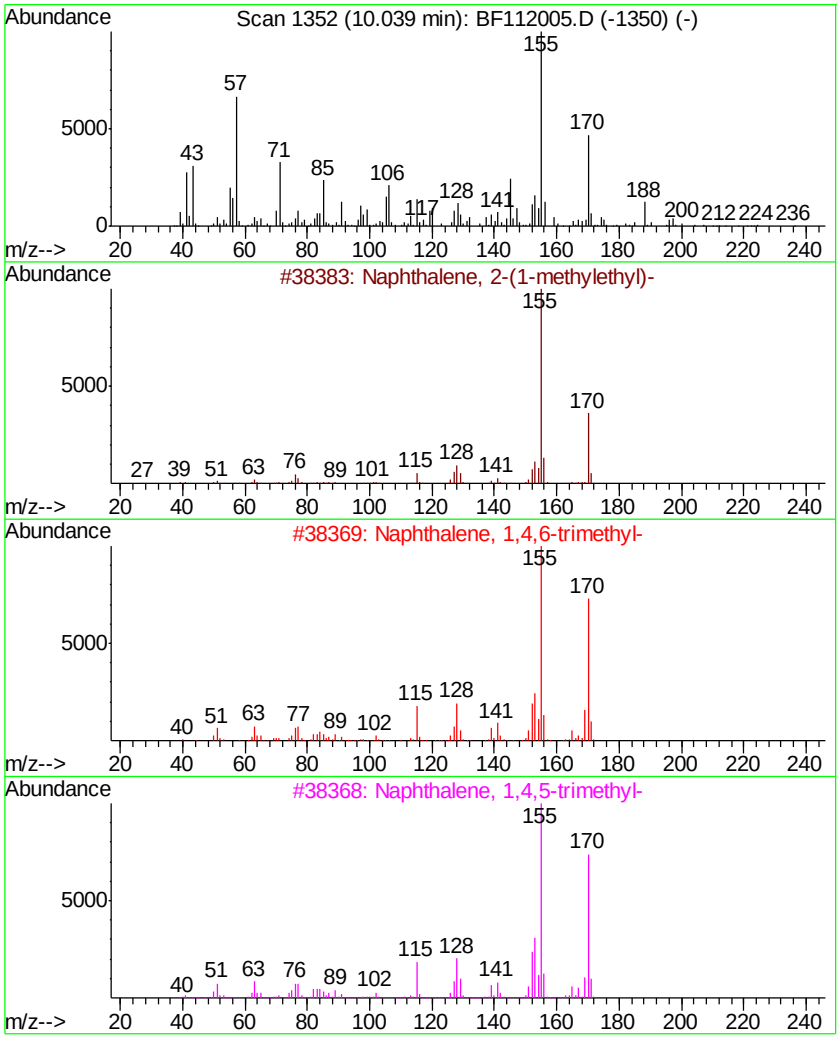
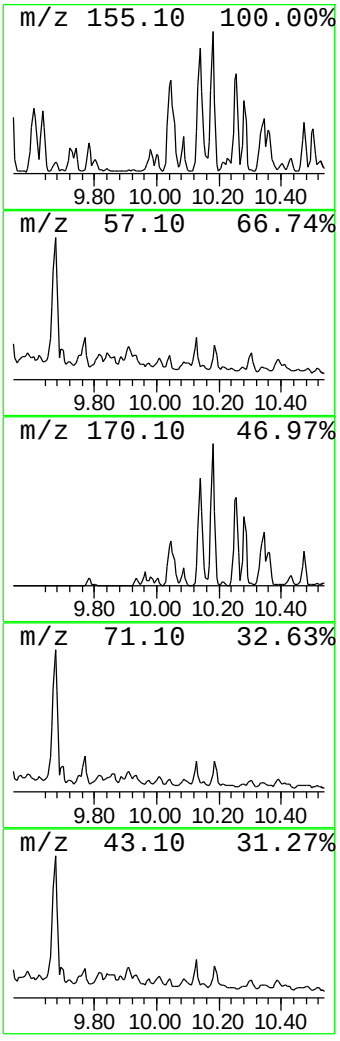
Peak Number 18 Naphthalene, 2-(1-methyleth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	45.55 ng	1996410	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	86
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	64
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	62
4	Naphthalene, 1-(chloromethyl)-2-...	190	C12H11Cl	006626-23-9	50
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF011019\
Data File : BF112005.D
Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.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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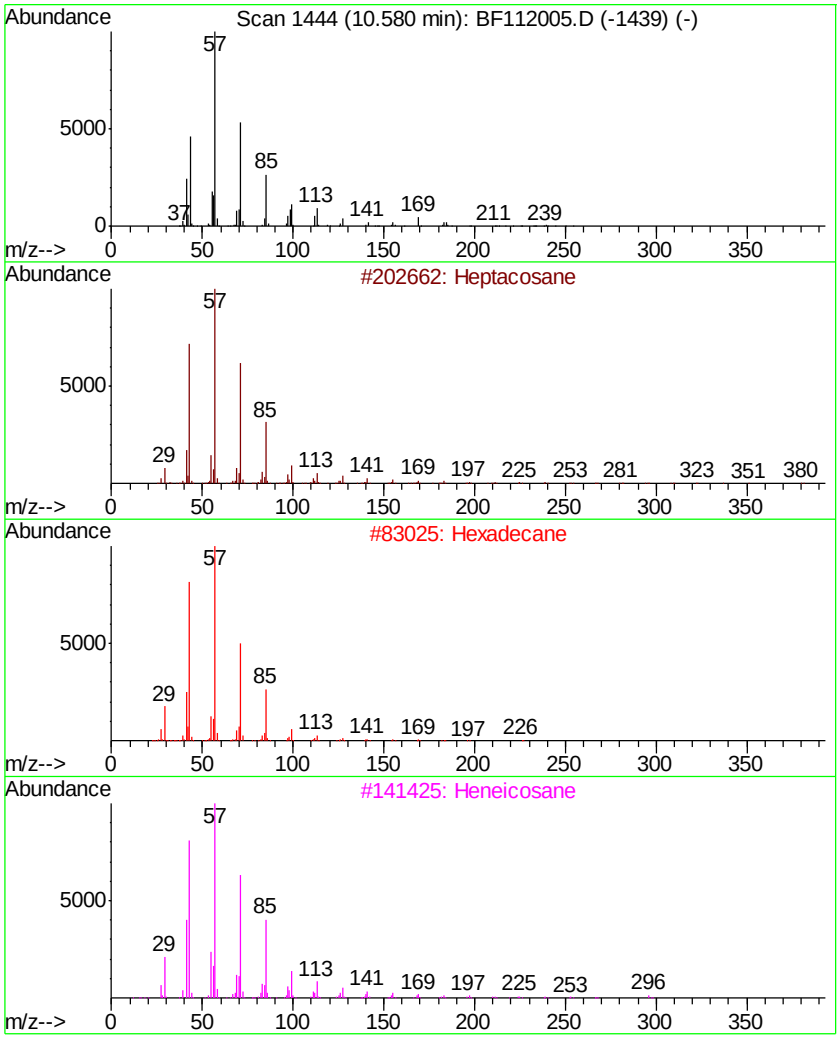
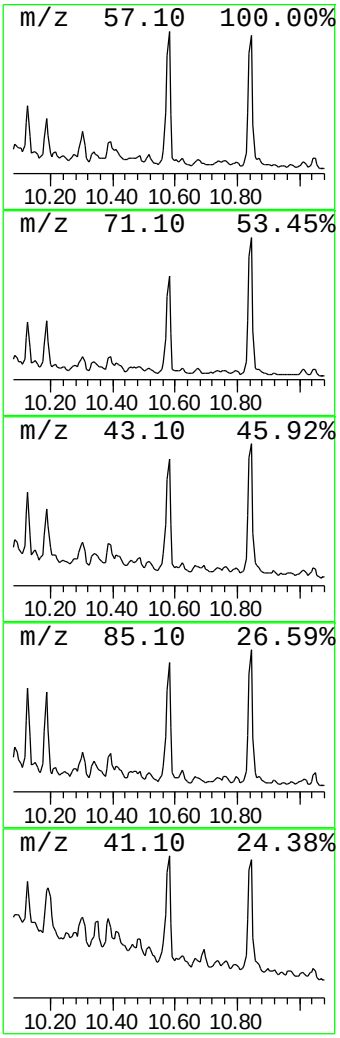
Peak Number 19 Heptacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	93.26 ng	4087390	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	80
2	Hexadecane	226	C16H34	000544-76-3	76
3	Heneicosane	296	C21H44	000629-94-7	72
4	Tridecane	184	C13H28	000629-50-5	72
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF011019\
Data File : BF112005.D
Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.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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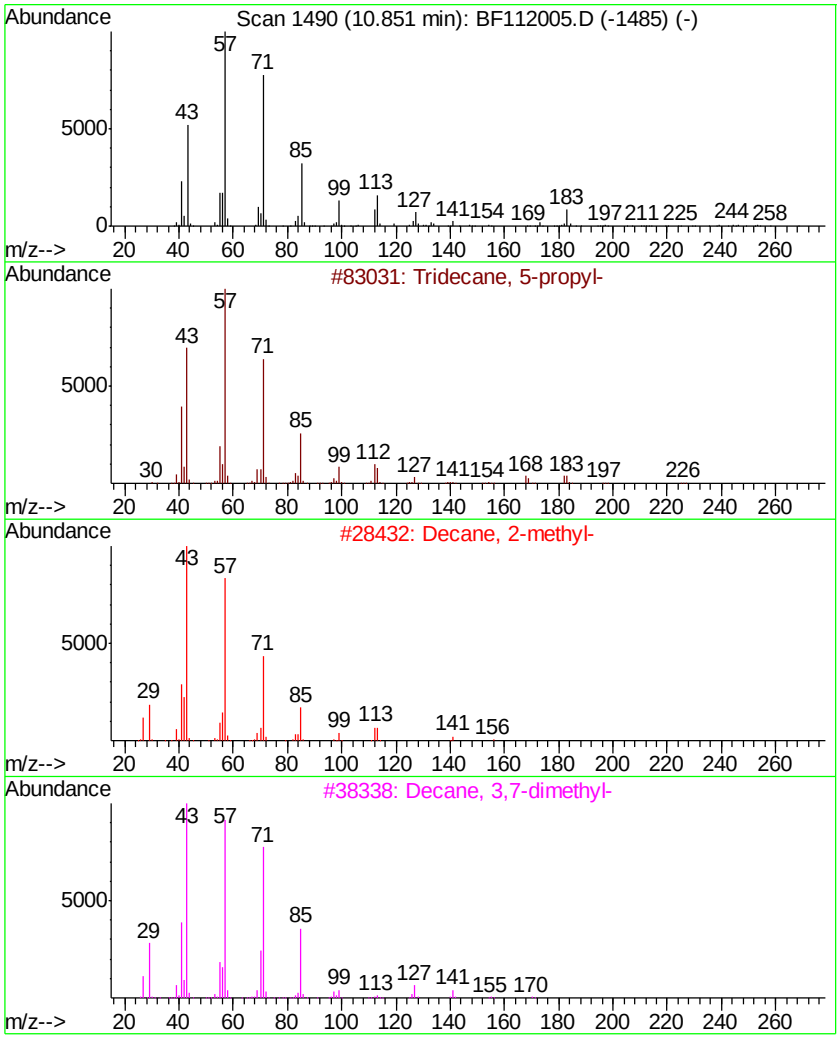
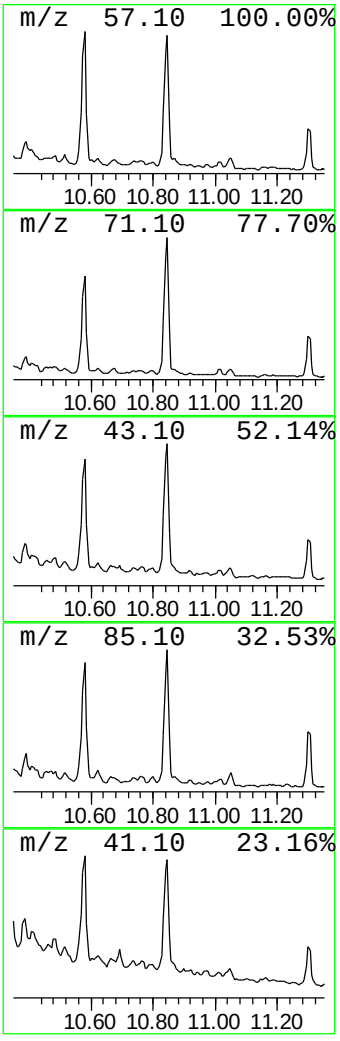
Peak Number 20 Tridecane, 5-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	65.72 ng	3849350	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
2	Decane, 2-methyl-	156	C11H24	006975-98-0	80
3	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	74
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
5	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011019\
Data File : BF112005.D
Acq On : 10 Jan 2019 23:22
Operator : JU/SJ
Sample : K1071-02 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CPSB-17(20-25)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.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
7-Methylbicyclo[4...	6.05	44.3	ng	5976600	1	6.89	2700100	20.0
Nonane, 3-methyl-	6.15	93.7	ng	12651200	1	6.89	2700100	20.0
unknown6.33	6.33	62.6	ng	8453450	1	6.89	2700100	20.0
Cyclohexane, 1,1,...	6.43	70.4	ng	9506060	1	6.89	2700100	20.0
Cyclohexane, 1,4-...	6.65	85.0	ng	11468900	1	6.89	2700100	20.0
unknown6.96	6.96	41.5	ng	5609180	1	6.89	2700100	20.0
5-Undecene	7.17	54.4	ng	7342900	1	6.89	2700100	20.0
Naphthalene, deca...	7.30	64.7	ng	8729170	1	6.89	2700100	20.0
Benzene, 1-ethyl-...	7.55	48.6	ng	10572600	2	8.18	4352250	20.0
Octane, 2,6-dimet...	8.63	59.6	ng	12965500	2	8.18	4352250	20.0
Cyclohexane, octyl-	9.10	84.4	ng	3700190	3	9.94	876584	20.0
Naphthalene, 1,2,...	9.16	45.2	ng	1979610	3	9.94	876584	20.0
Dodecane, 1-fluoro-	9.36	129.6	ng	5680260	3	9.94	876584	20.0
Naphthalene, 2,3-...	9.60	45.9	ng	2013070	3	9.94	876584	20.0
Benzene, 4-(2-but...	9.63	56.4	ng	2472040	3	9.94	876584	20.0
Tritetracontane	9.67	224.0	ng	9816470	3	9.94	876584	20.0
Naphthalene, 2-(1...	10.04	45.5	ng	1996410	3	9.94	876584	20.0
Heptacosane	10.58	93.3	ng	4087390	3	9.94	876584	20.0
Tridecane, 5-propyl-	10.85	65.7	ng	3849350	4	11.41	1171450	20.0