LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020719\
Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

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_M\METHODS\8270-BM010919.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	3.834	123	127	136	rVB2	4053685	7237534	30.12%	0.780%
2	3.928	136	143	154	rVB	4854538	7913384	32.94%	0.853%
3	4.657	258	267	274	rBV2	2383650	4743497	19.74%	0.511%
4	4.757	279	284	289	rBV	4724190	6912306	28.77%	0.745%
5	5.163	348	353	355	rVV2	7753939	10916049	45.44%	1.176%
6	5.193	355	358	362	rVB	7906902	9936880	41.36%	1.071%
7	5.299	371	376	384	rVB2	11940888	19254791	80.14%	2.075%
8	5.722	442	448	455	rVB3	4126041	8156473	33.95%	0.879%
9	5.975	484	491	498	rBV2	4208081	8241216	34.30%	0.888%
10	6.093	504	511	521	rVB	3955785	8073064	33.60%	0.870%
11	6.181	521	526	531	rBV2	3431420	5661330	23.56%	0.610%
12	6.257	535	539	544	rBV	4979504	6637289	27.63%	0.715%
13	6.346	549	554	562	rVB4	4405634	8964218	37.31%	0.966%
14	6.575	588	593	595	rBV	2963357	4466013	18.59%	0.481%
15	6.693	609	613	618	rVV	8397633	11353578	47.26%	1.223%
16	6.746	618	622	627	rVB	8015298	11316741	47.10%	1.219%
17	6.857	635	641	645	rBV	9307460	15919925	66.26%	1.715%
18	6.893	645	647	654	rVB	4281894	5595322	23.29%	0.603%
19	7.251	703	708	715	rVV3	5117625	9424135	39.23%	1.015%
20	7.322	715	720	724	rVV	5072270	7233384	30.11%	0.779%
21	7.669	774	779	784	rVB	5242489	7803181	32.48%	0.841%
22	7.763	784	795	801	rVB6	3133584	8915730	37.11%	0.961%
23	8.034	837	841	849	rVB3	3984849	7434622	30.94%	0.801%
24	8.222	864	873	875	rBV2	5251161	11756584	48.93%	1.267%
25	8.251	875	878	881	rVV	5456958	8224629	34.23%	0.886%
26	8.281	881	883	888	rVB	5174960	6132674	25.53%	0.661%
27	8.351	888	895	905	rBV2	12366735	22645612	94.26%	2.440%
28	8.457	906	913	918	rBV	6735517	10669554	44.41%	1.150%
29	8.710	951	956	961	rVB	2919704	4701370	19.57%	0.507%
30	8.810	968	973	979	rVV2	6559351	11193611	46.59%	1.206%
31	8.892	982	987	989	rVV2	4749794	8048747	33.50%	0.867%
32	8.922	989	992	996	rVB	8488201	11443002	47.63%	1.233%
33	9.051	1008	1014	1022	rVV3	5203661	11777490	49.02%	1.269%
34	9.157	1022	1032	1043	rVV6	4283446	14197535	59.09%	1.530%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

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_M\METHODS\8270-BM010919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.334	1057	1062	1066	rVV	5580799	8630186	35.92%	0.930%
36	9.392	1067	1072	1079	rVV5	3469227	8412604	35.02%	0.906%
37	9.586	1096	1105	1108	rBV3	4620980	10019245	41.70%	1.080%
38	9.628	1108	1112	1116	rVB3	3266304	5663323	23.57%	0.610%
39	9.704	1122	1125	1129	rVB3	3240808	4618788	19.22%	0.498%
40	9.769	1129	1136	1142	rVB4	5356910	12925548	53.80%	1.393%
41	9.851	1143	1150	1155	rBV2	5577127	14583941	60.70%	1.571%
42	9.916	1155	1161	1166	rVV4	6054951	13589536	56.56%	1.464%
43	9.969	1166	1170	1175	rVV2	6940806	10944109	45.55%	1.179%
44	10.022	1175	1179	1182	rVV	4587156	6221039	25.89%	0.670%
45	10.081	1182	1189	1195	rVB3	4988365	12526361	52.14%	1.350%
46	10.204	1204	1210	1216	rVB	5741236	9718540	40.45%	1.047%
47	10.386	1232	1241	1243	rBV4	2705907	5987114	24.92%	0.645%
48	10.463	1249	1254	1264	rVB4	9541001	22682328	94.41%	2.444%
49	10.545	1264	1268	1270	rBV2	3487217	5285144	22.00%	0.569%
50	10.616	1275	1280	1282	rBV	3915655	6025918	25.08%	0.649%
51	10.651	1282	1286	1291	rVB	8036156	12699602	52.86%	1.368%
52	10.716	1291	1297	1303	rBV2	5077988	8910014	37.09%	0.960%
53	10.875	1315	1324	1326	rBV4	2317127	4945763	20.59%	0.533%
54	10.910	1326	1330	1336	rVB2	2880606	5169834	21.52%	0.557%
55	10.975	1336	1341	1348	rVB4	4308112	8139315	33.88%	0.877%
56	11.163	1368	1373	1375	rBV2	3300597	5929587	24.68%	0.639%
57	11.328	1396	1401	1409	rVB4	4702686	11243212	46.80%	1.211%
58	11.410	1409	1415	1422	rBV4	7118203	14795559	61.58%	1.594%
59	11.516	1428	1433	1436	rVV	9554797	14728613	61.30%	1.587%
60	11.551	1436	1439	1444	rVV3	2846863	4831321	20.11%	0.521%
61	11.610	1445	1449	1454	rVB3	2615775	4947266	20.59%	0.533%
62	11.704	1460	1465	1471	rBV4	3587210	7750659	32.26%	0.835%
63	11.916	1493	1501	1507	rBV4	4061369	11084151	46.13%	1.194%
64	12.139	1531	1539	1543	rVB4	3976300	8963126	37.31%	0.966%
65	12.428	1582	1588	1593	rVV2	5246524	9161350	38.13%	0.987%
66	12.557	1604	1610	1614	rBV6	3468778	6179221	25.72%	0.666%
67	12.616	1614	1620	1625	rBV6	2712886	6019702	25.06%	0.649%
68	12.880	1660	1665	1673	rVB2	9475241	15883840	66.11%	1.711%
69	12.986	1679	1683	1692	rBV3	5449310	8798946	36.62%	0.948%
70	13.304	1734	1737	1741	rVB2	3335513	4610038	19.19%	0.497%
71	13.522	1771	1774	1777	rBV3	3235690	4707174	19.59%	0.507%

LSC Area Percent Report

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Acq On : 07 Feb 2019 16:41
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Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

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_M\METHODS\8270-BM010919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.692	1797	1803	1808	rVV4	5028941	10096799	42.03%	1.088%
73	13.739	1808	1811	1815	rVV3	4607878	6155180	25.62%	0.663%
74	13.833	1820	1827	1831	rVB	12188597	19677623	81.90%	2.120%
75	13.880	1831	1835	1839	rBV3	3468539	5507233	22.92%	0.593%
76	14.339	1906	1913	1916	rBV5	3692959	9844957	40.98%	1.061%
77	14.580	1949	1954	1962	rVB	6070162	13928111	57.97%	1.501%
78	14.763	1980	1985	1990	rVB2	6167896	10752285	44.75%	1.159%
79	14.845	1995	1999	2002	rBV	5286425	6280965	26.14%	0.677%
80	14.986	2019	2023	2029	rBV	5067329	9816112	40.86%	1.058%
81	15.039	2029	2032	2037	rVB	3872243	5179832	21.56%	0.558%
82	15.157	2046	2052	2055	rBV5	2420065	5572830	23.20%	0.600%
83	15.310	2074	2078	2088	rVB8	2629506	7943595	33.06%	0.856%
84	15.410	2088	2095	2099	rBV6	3126684	6991387	29.10%	0.753%
85	15.457	2099	2103	2108	rBV2	3067998	6104769	25.41%	0.658%
86	15.616	2121	2130	2139	rVB2	9882515	22842128	95.07%	2.461%
87	15.868	2169	2173	2179	rVV2	5403404	7540363	31.38%	0.812%
88	15.927	2180	2183	2193	rVB4	2798781	6080906	25.31%	0.655%
89	16.098	2206	2212	2217	rBV2	15939865	24025485	100.00%	2.589%
90	16.410	2261	2265	2270	rBV6	3075863	5842300	24.32%	0.630%
91	16.480	2273	2277	2282	rVB5	4649104	6891482	28.68%	0.743%
92	16.680	2308	2311	2321	rVB5	3326385	7194356	29.94%	0.775%
93	16.915	2346	2351	2355	rBV	9030052	12581062	52.37%	1.356%
94	17.162	2389	2393	2399	rVV	3513169	5756203	23.96%	0.620%
95	17.321	2411	2420	2424	rBV4	2433580	7217325	30.04%	0.778%
96	17.521	2450	2454	2459	rBV4	3392734	5584912	23.25%	0.602%
97	17.998	2531	2535	2539	rBV	4600396	7073134	29.44%	0.762%
98	18.045	2539	2543	2549	rVB	5292286	7733889	32.19%	0.833%
99	18.915	2687	2691	2696	rBV	3733494	5490629	22.85%	0.592%
100	19.751	2828	2833	2837	rBV	9887748	12134117	50.51%	1.307%

Sum of corrected areas: 928073456

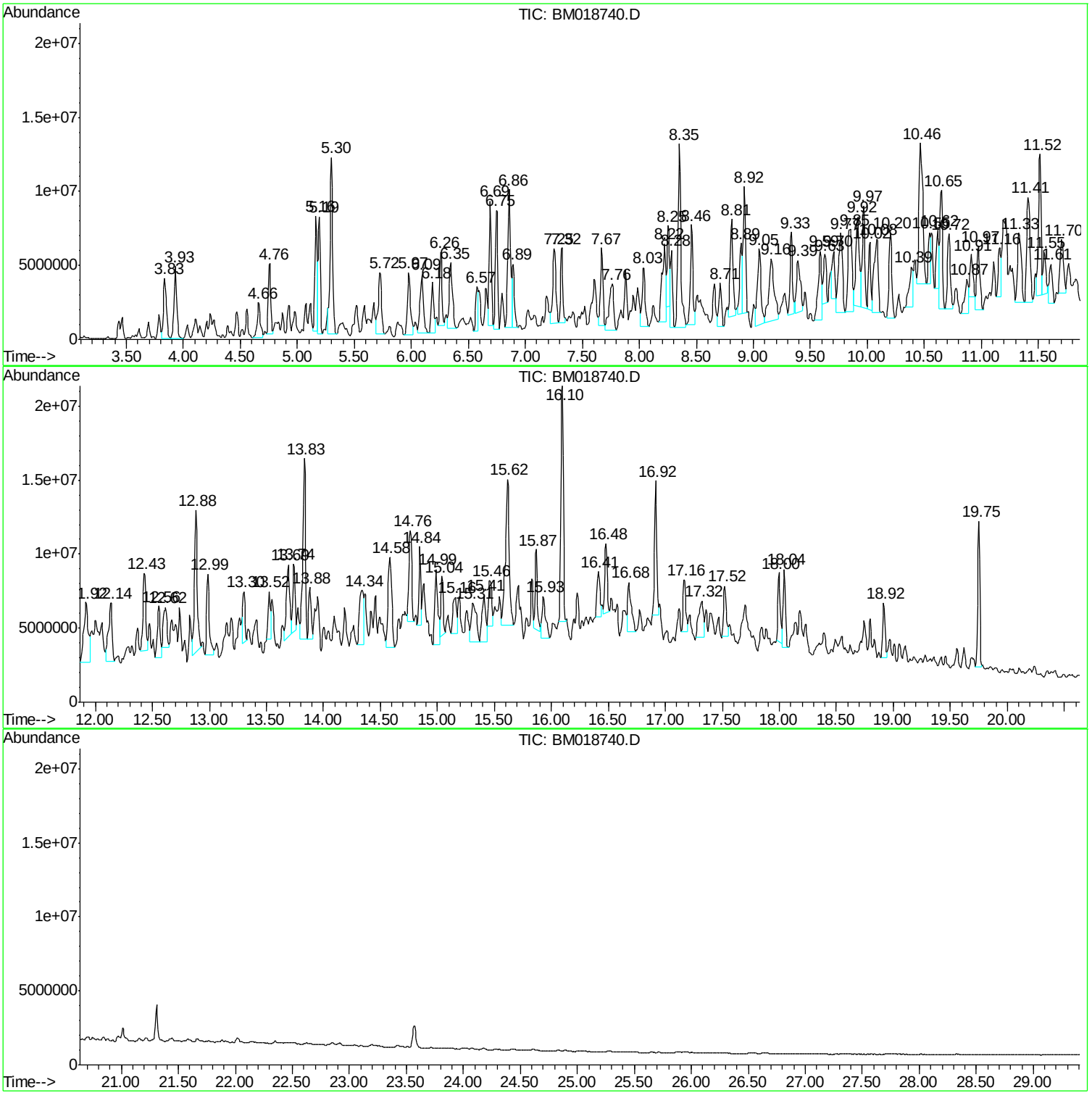
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020719\
Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020719\
Data File : BM018740.D
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Operator : JU/SJ
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

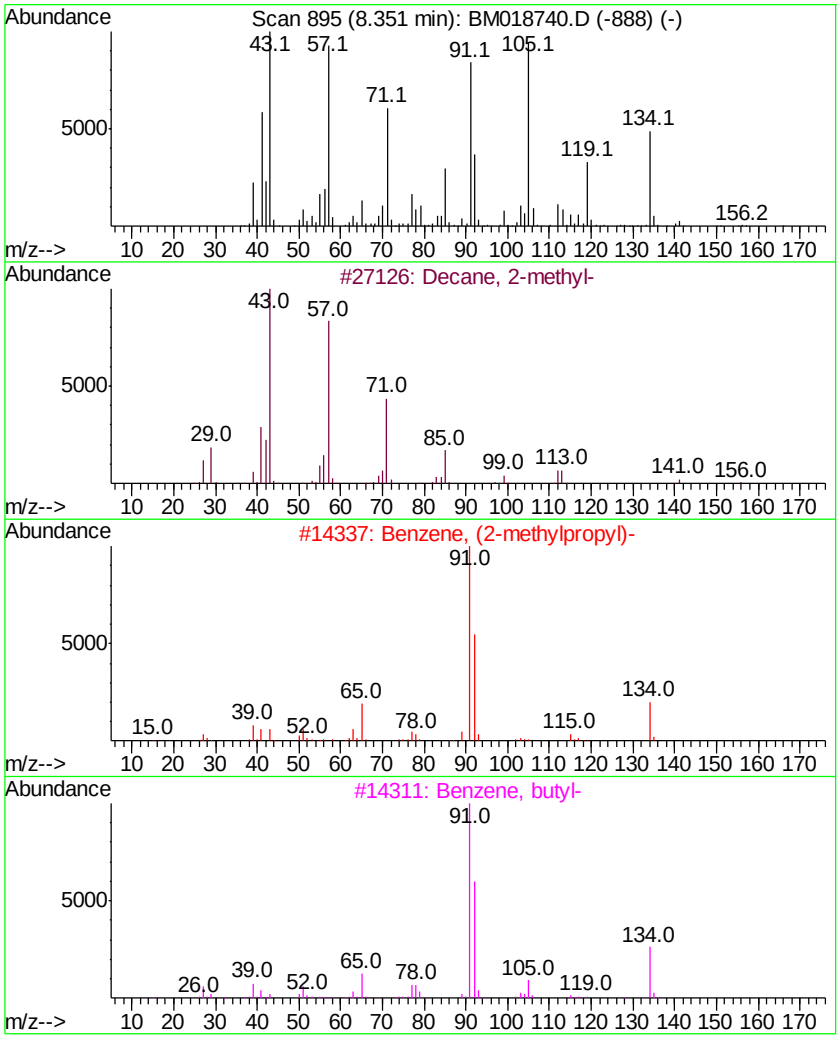
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

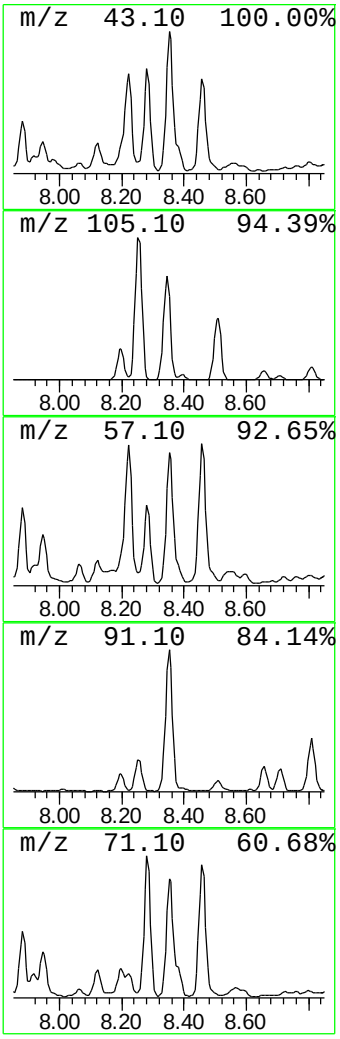
****

Peak Number 1 Decane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	58.04 ng	22645600	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	53
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	38
3	Benzene, butyl-	134	C10H14	000104-51-8	30
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	30
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	25





Library Search Compound Report

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Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

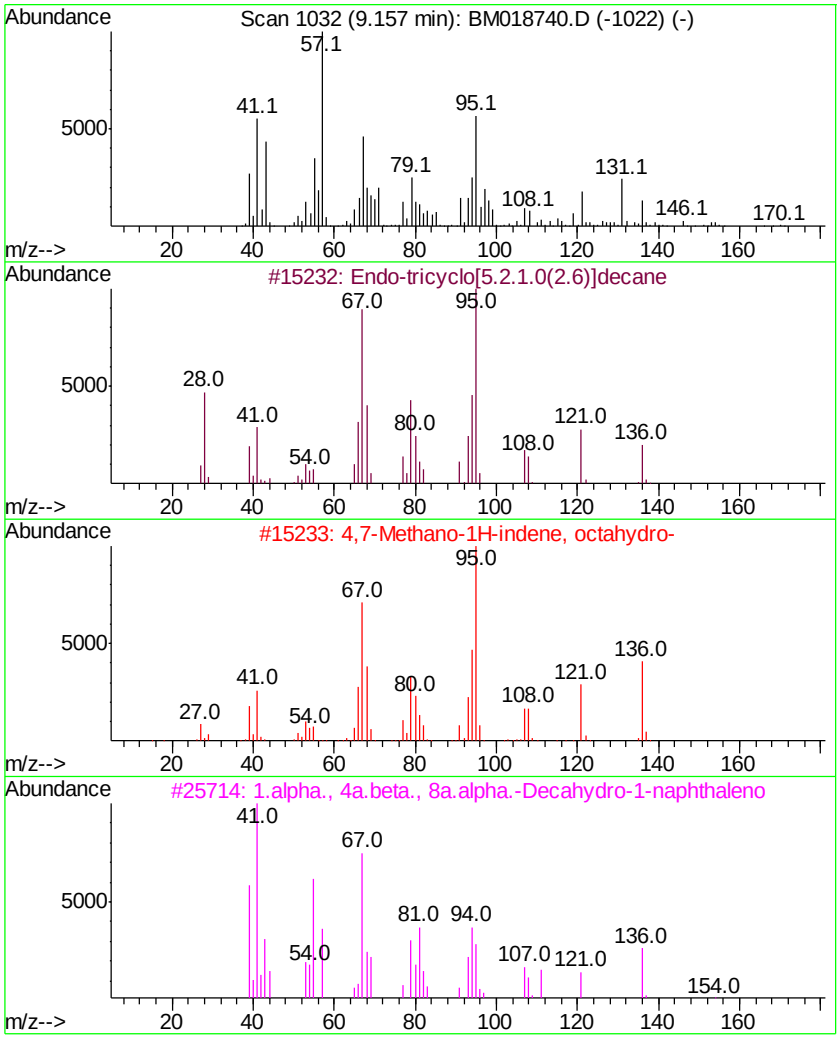
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

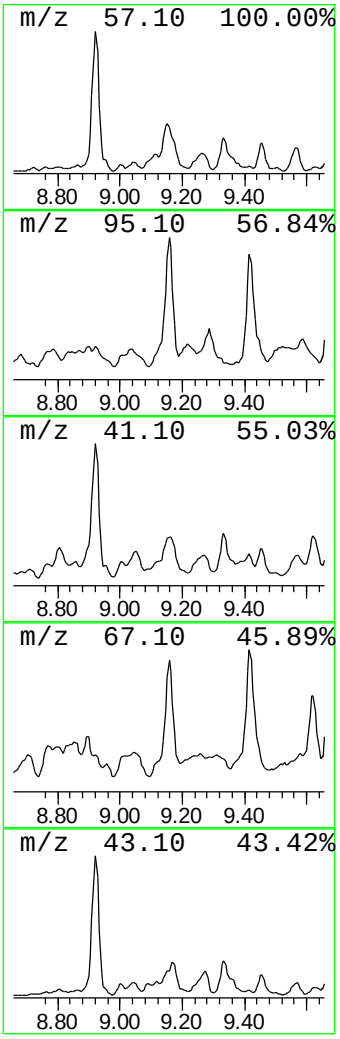
****

Peak Number 2 Endo-tricyclo[5.2.1.0(2.6)]... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	53.73 ng	14197500	Naphthalene-d8	10.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Endo-tricyclo[5.2.1.0(2.6)]decane	136	C10H16	1000215-28-8	96
2	4,7-Methano-1H-indene, octahydro-	136	C10H16	006004-38-2	93
3	1.alpha., 4a.beta., 8a.alpha.-De...	154	C10H18O	036159-47-4	38
4	Santolina epoxide	152	C10H16O	060485-45-2	38
5	Cyclohexene, 1-methyl-3-vinyloxy-	138	C9H14O	100144-30-7	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020719\
Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

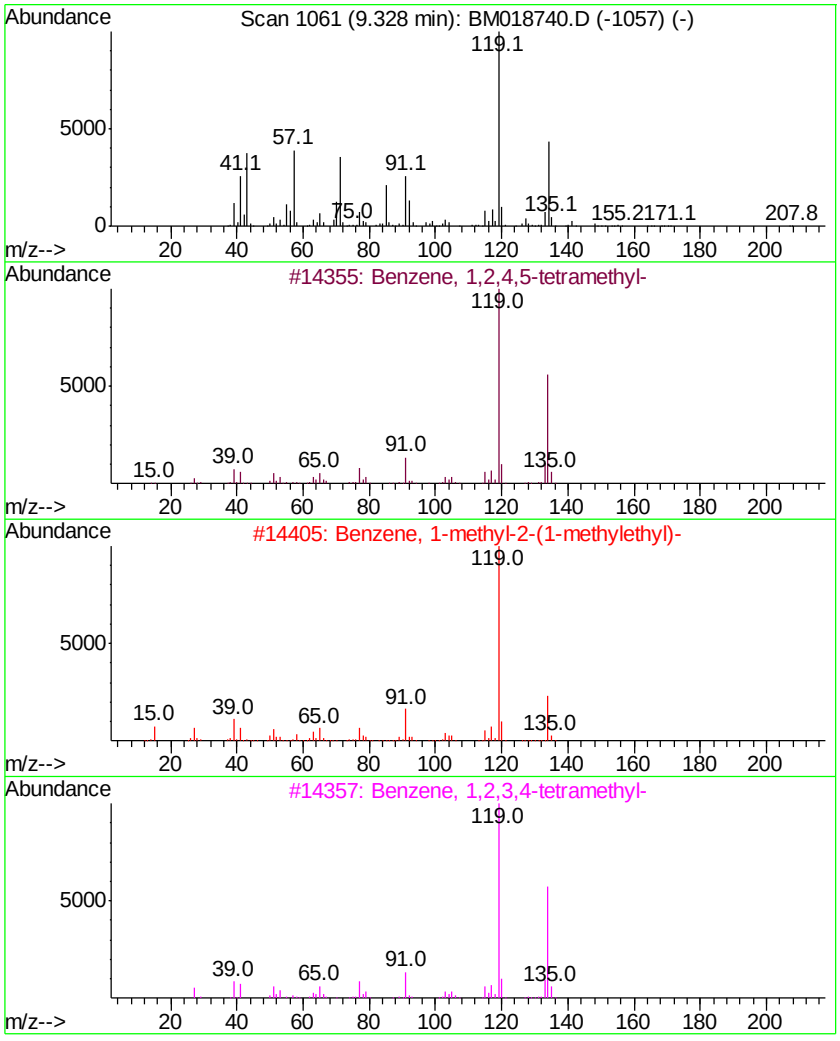
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

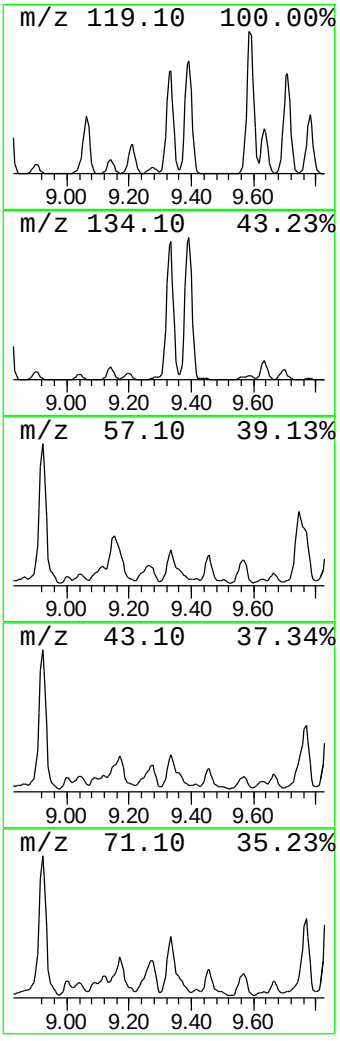
****

Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	32.66 ng	8630190	Naphthalene-d8	10.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	64
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
4	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	64
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	64





Library Search Compound Report

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Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

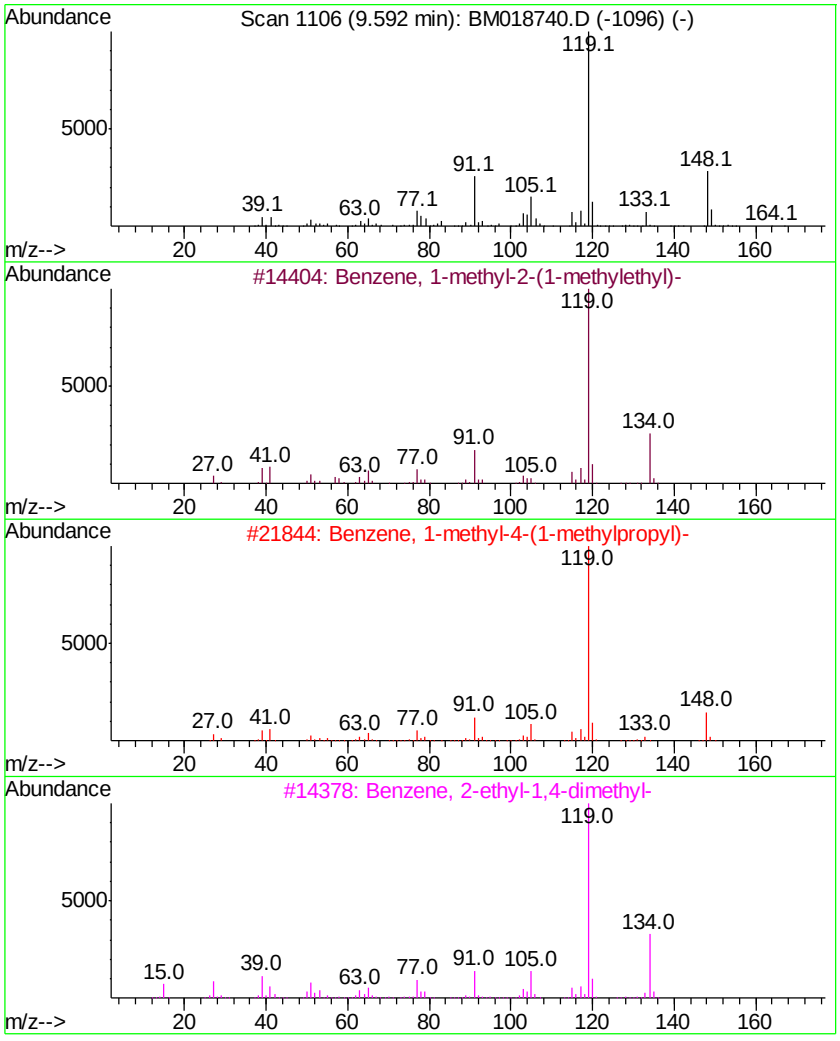
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

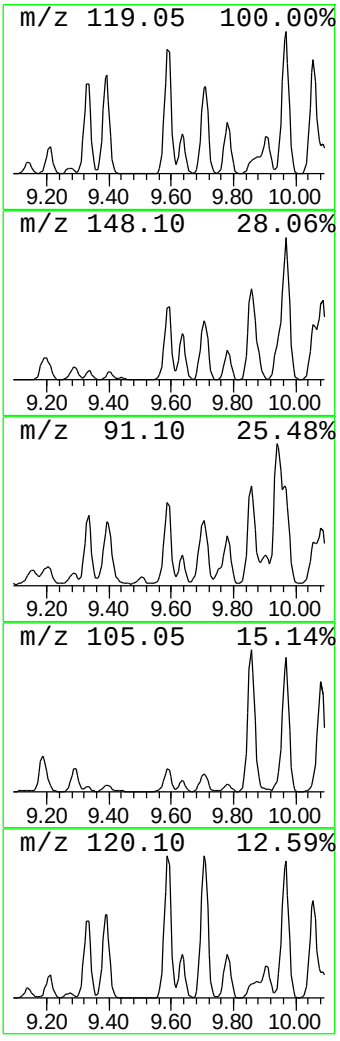
****

Peak Number 4 Benzene, 1-methyl-2-(1-meth... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.59	37.91 ng	10019200	Naphthalene-d8	10.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	76
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	76
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020719\
Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

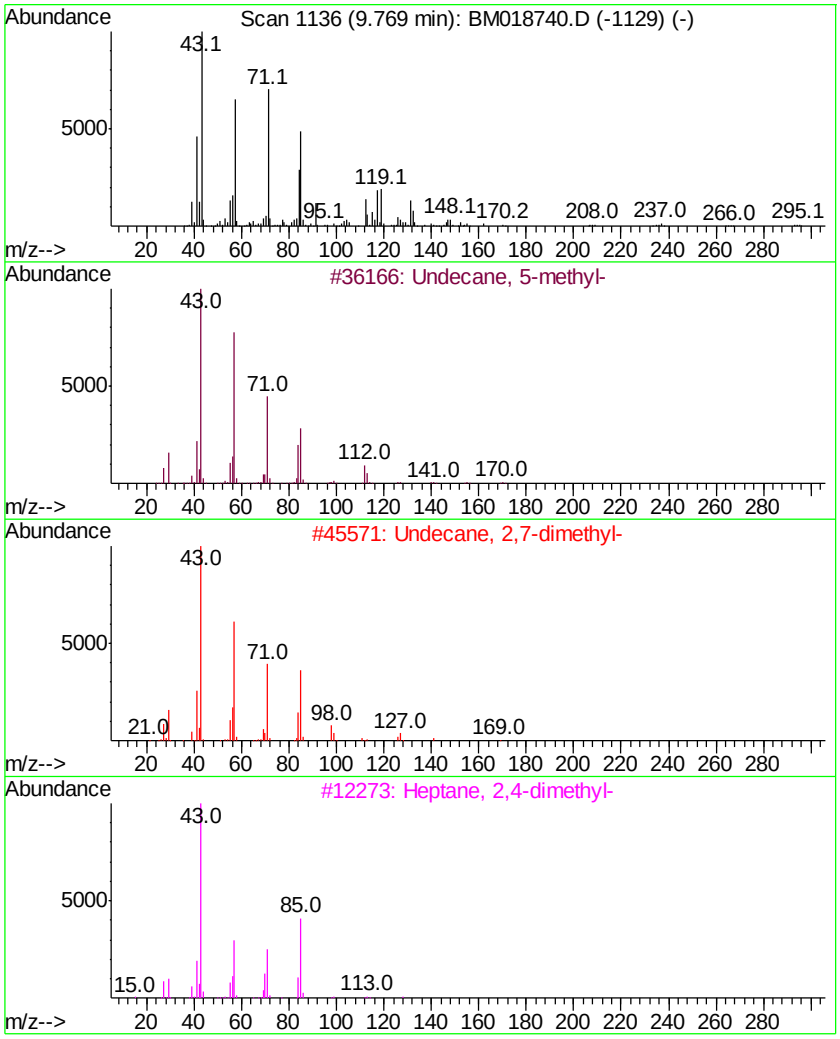
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

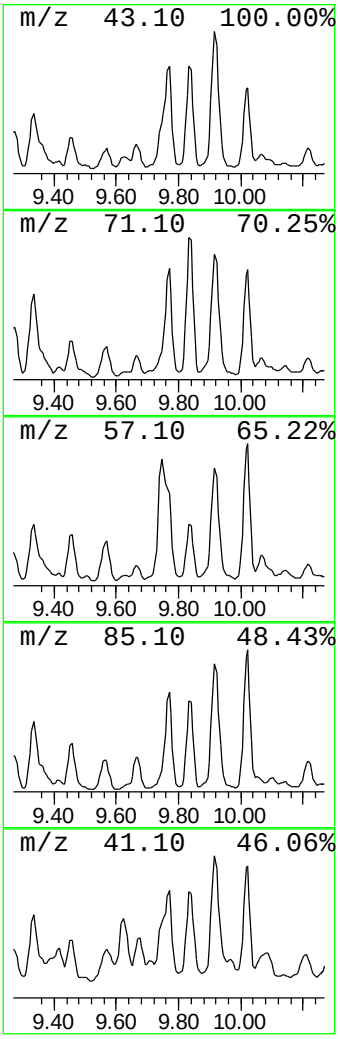
****

Peak Number 5 Undecane, 5-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	48.91 ng	12925500	Naphthalene-d8	10.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-methyl-	170	C12H26	001632-70-8	53
2	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	47
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	46
5	Decane, 4-ethyl-	170	C12H26	001636-44-8	38





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Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

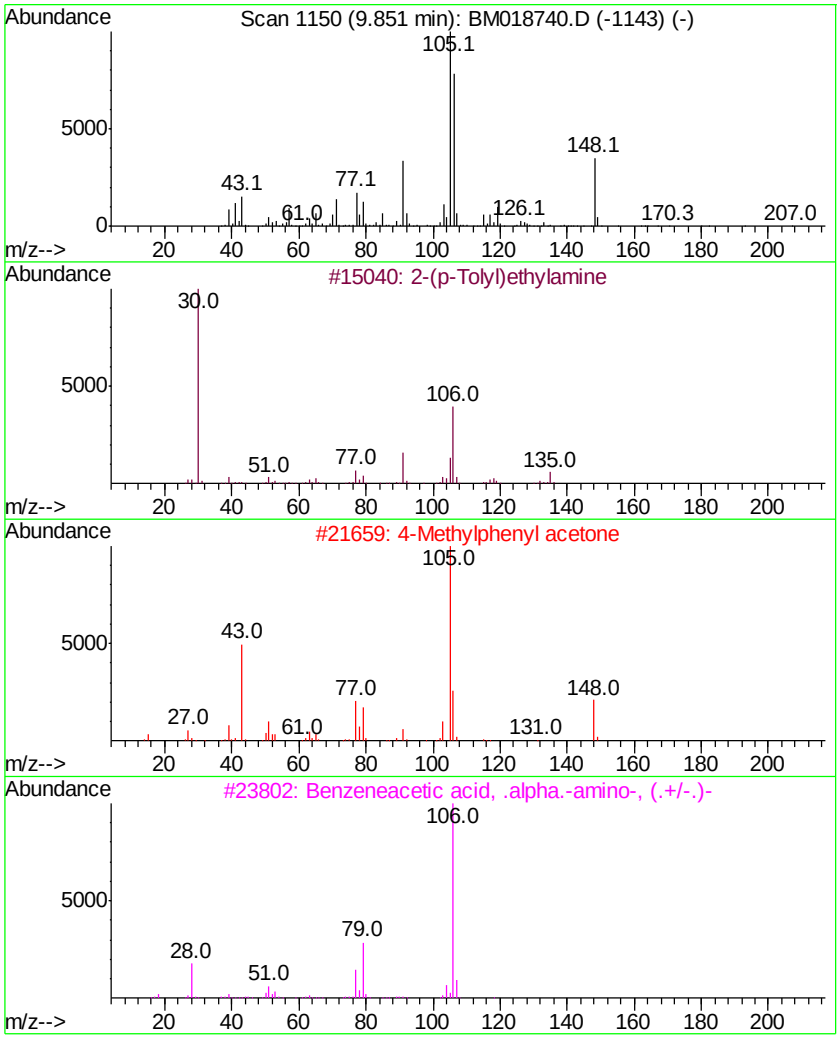
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

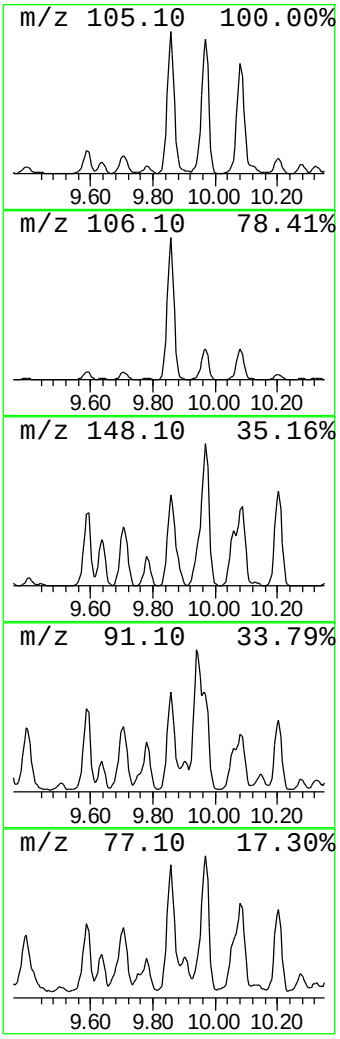
****

Peak Number 6 2-(p-Tolyl)ethylamine Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	55.19 ng	14583900	Naphthalene-d8	10.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(p-Tolyl)ethylamine	135	C9H13N	003261-62-9	59
2	4-Methylphenyl acetone	148	C10H12O	002096-86-8	46
3	Benzeneacetic acid, .alpha.-amin...	151	C8H9NO2	002835-06-5	43
4	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	43
5	Benzenamine, 4-propyl-	135	C9H13N	002696-84-6	43





Library Search Compound Report

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Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

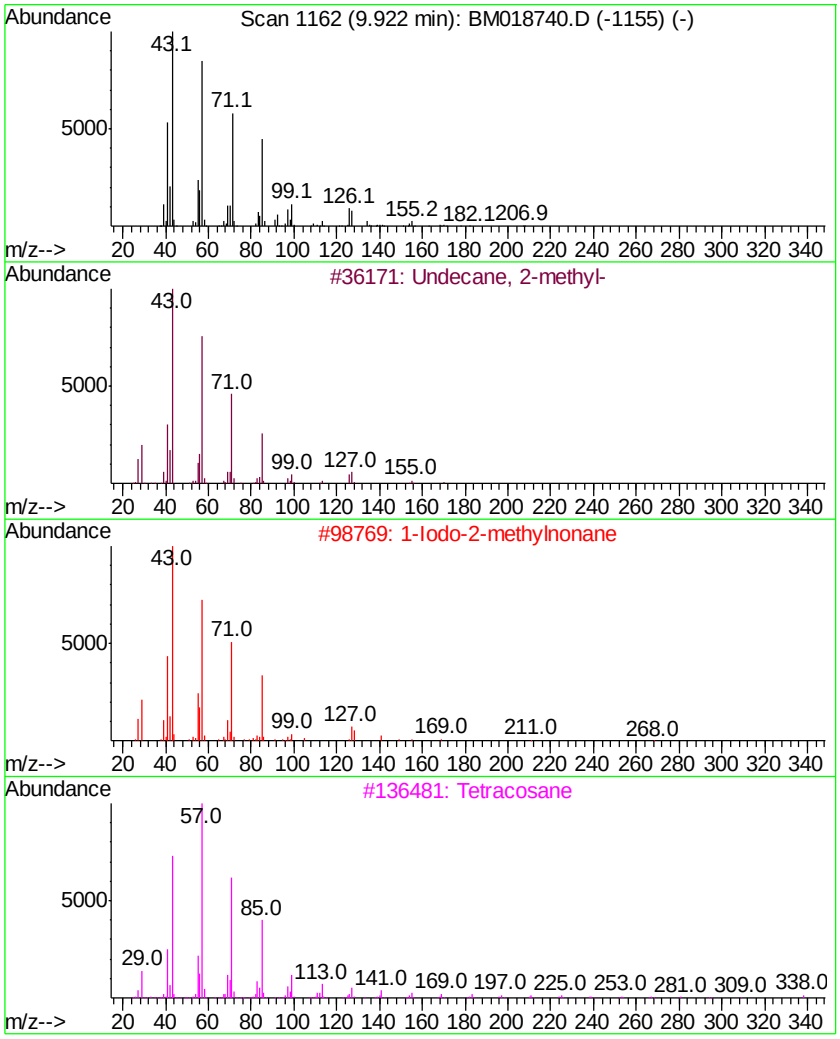
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

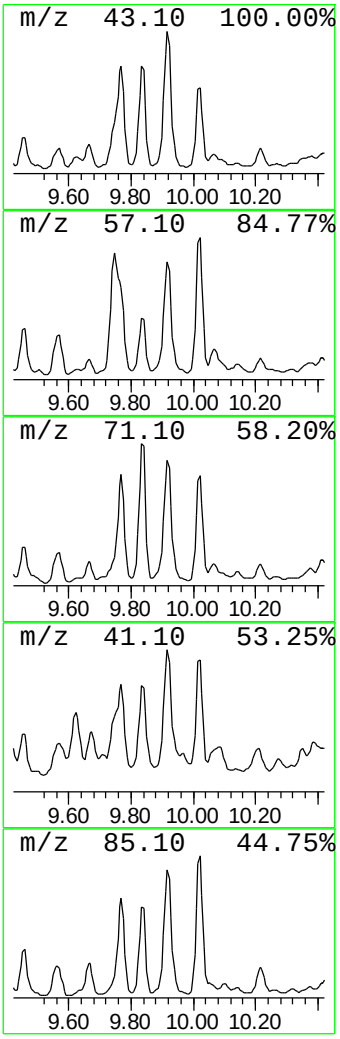
****

Peak Number 7 Undecane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	51.43 ng	13589500	Naphthalene-d8	10.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	68
2	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	64
3	Tetracosane	338	C24H50	000646-31-1	59
4	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	59
5	Heneicosane	296	C21H44	000629-94-7	58





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Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

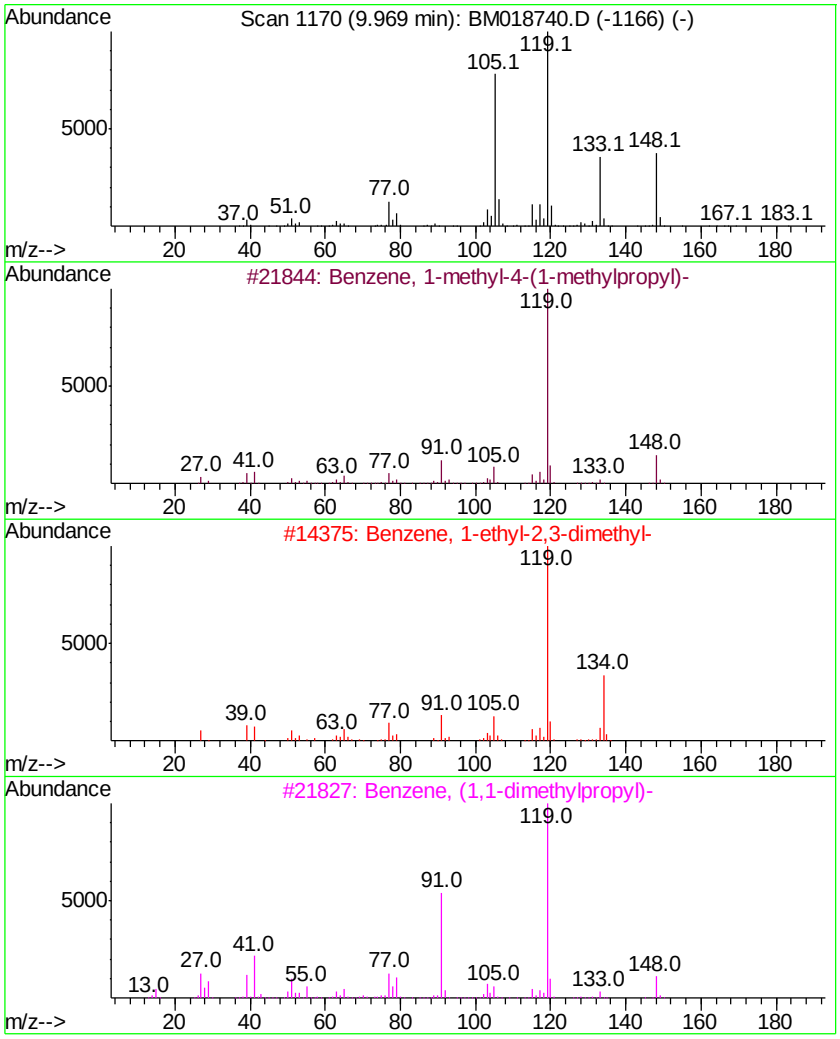
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

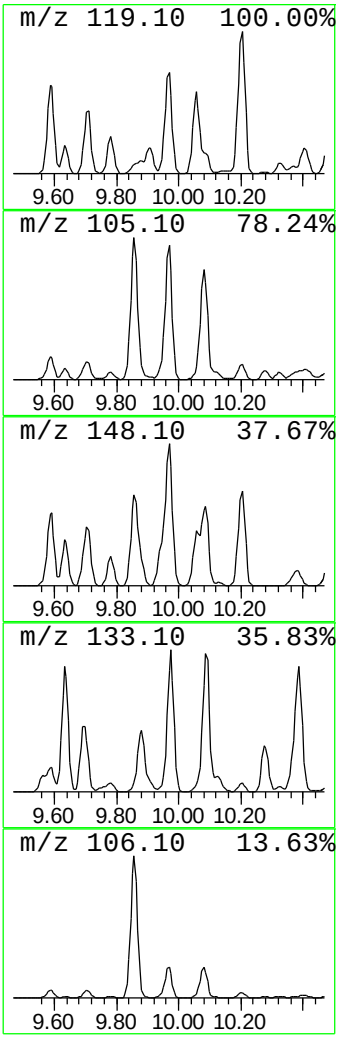
****

Peak Number 8 Benzene, 1-methyl-4-(1-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.97	41.41 ng	10944100	Naphthalene-d8	10.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	64
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	58
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	53
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	52





Library Search Compound Report

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Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

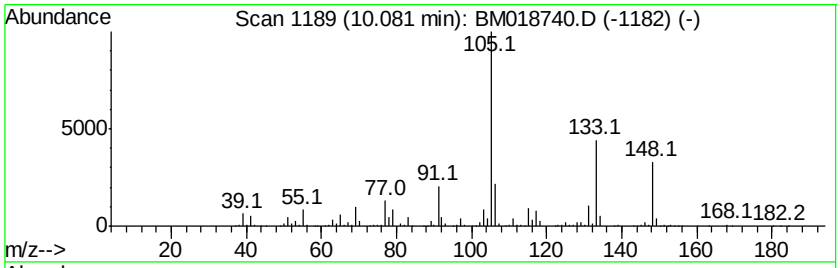
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

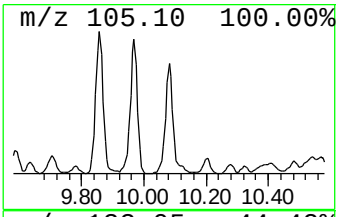
****

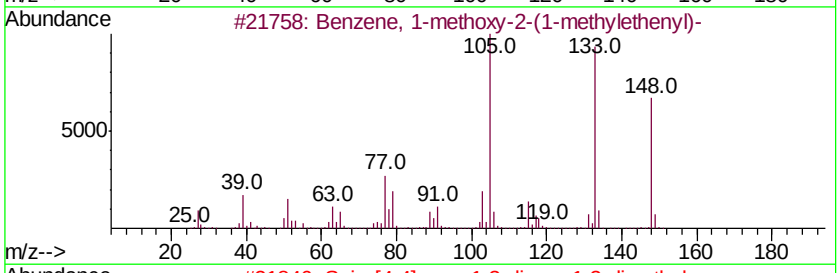
Peak Number 9 Benzene, 1-methoxy-2-(1-met... Concentration Rank 10

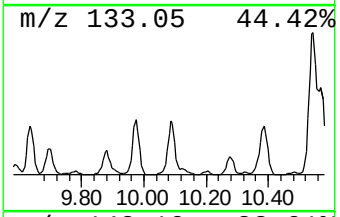
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	47.40 ng	12526400	Naphthalene-d8	10.51

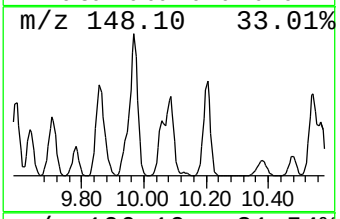
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methoxy-2-(1-methylet...	148	C10H12O	010278-02-1	58
2	Spiro[4.4]nona-1,3-diene, 1,2-di...	148	C11H16	1000163-57-6	50
3	4-Methylphenyl acetone	148	C10H12O	002096-86-8	46
4	Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	38
5	2-Methylindan-2-ol	148	C10H12O	033223-84-6	38

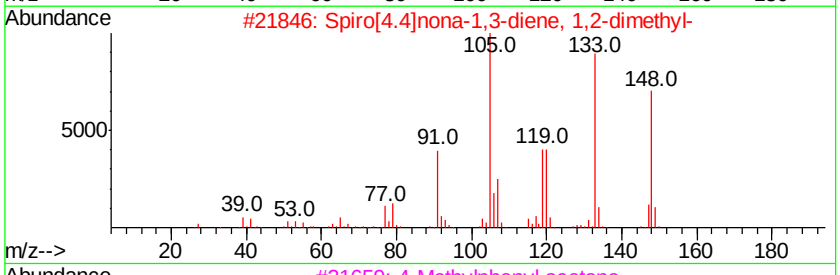


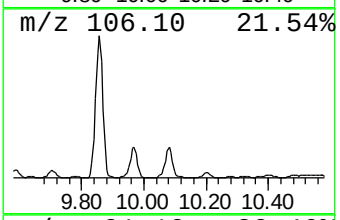


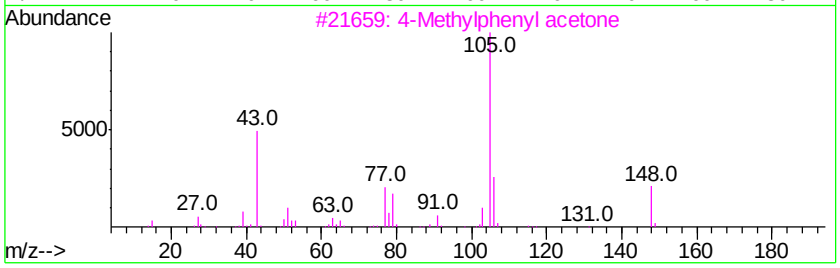


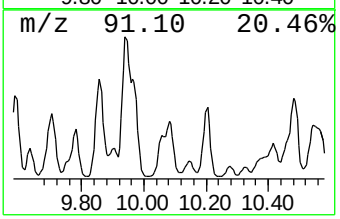












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020719\
Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

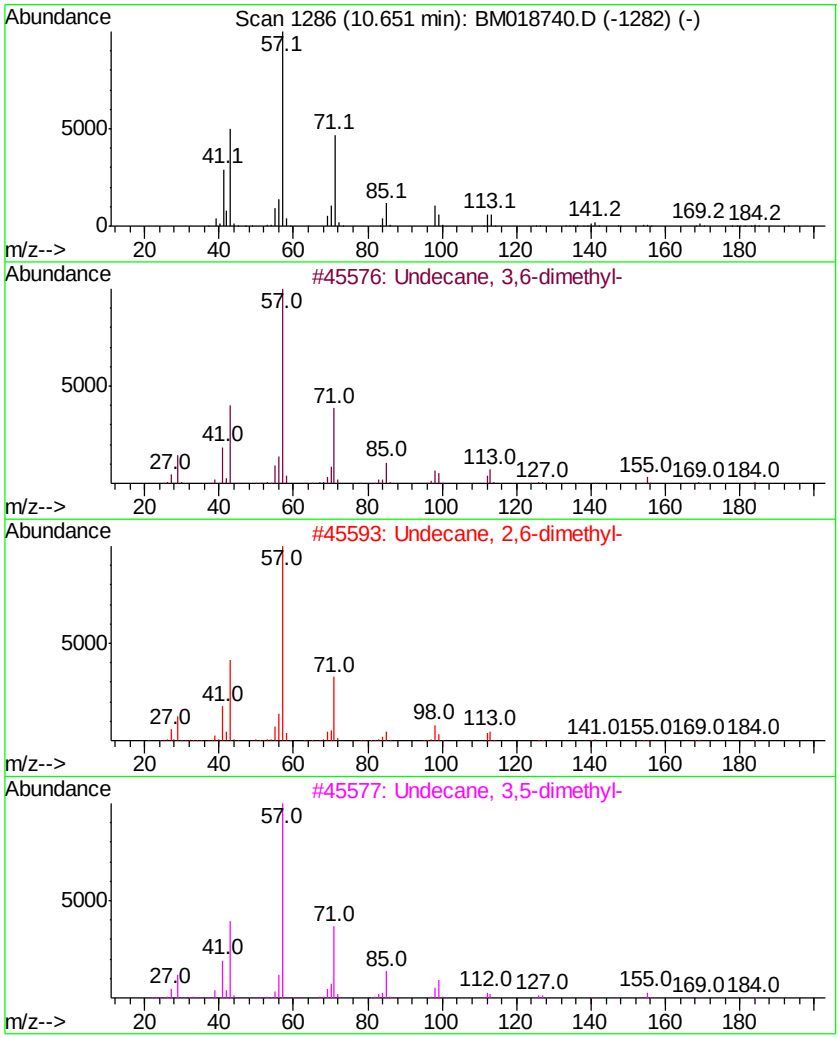
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

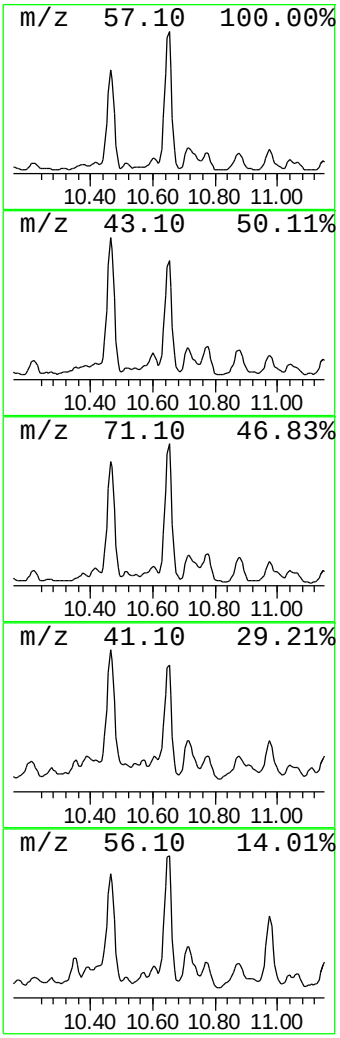
****

Peak Number 11 Undecane, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	48.06 ng	12699600	Naphthalene-d8	10.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	94
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	94
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	80
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9	76
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	64





Library Search Compound Report

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Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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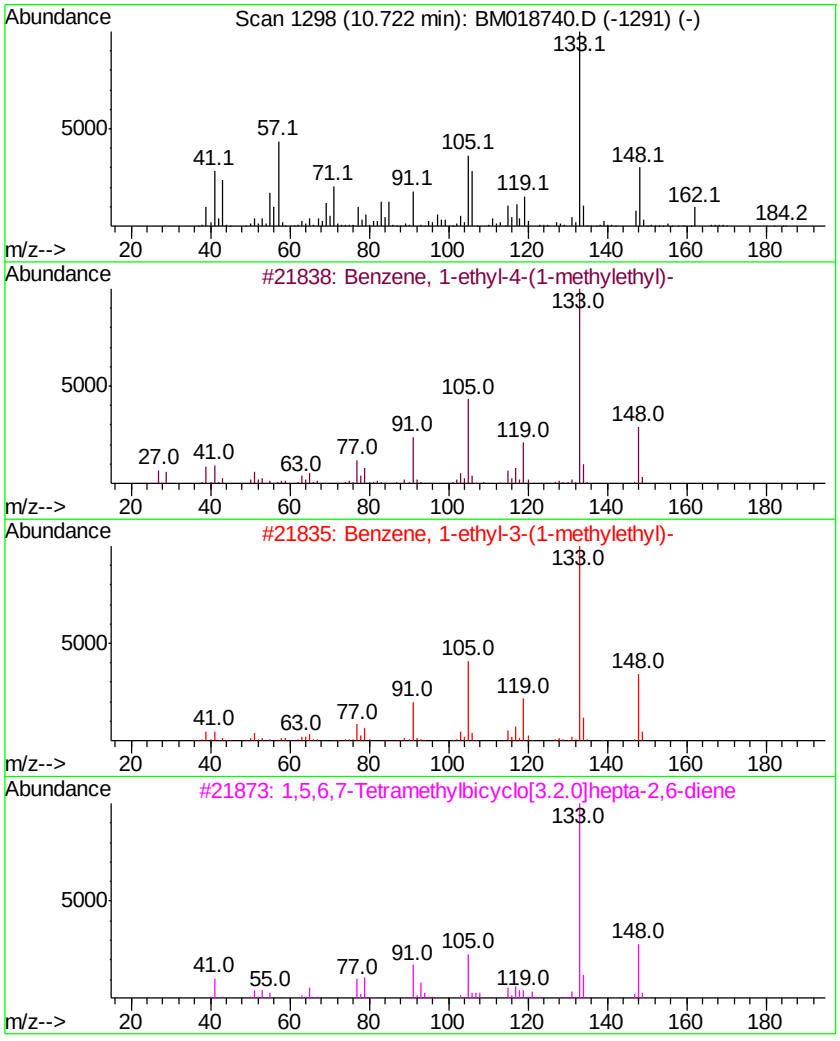
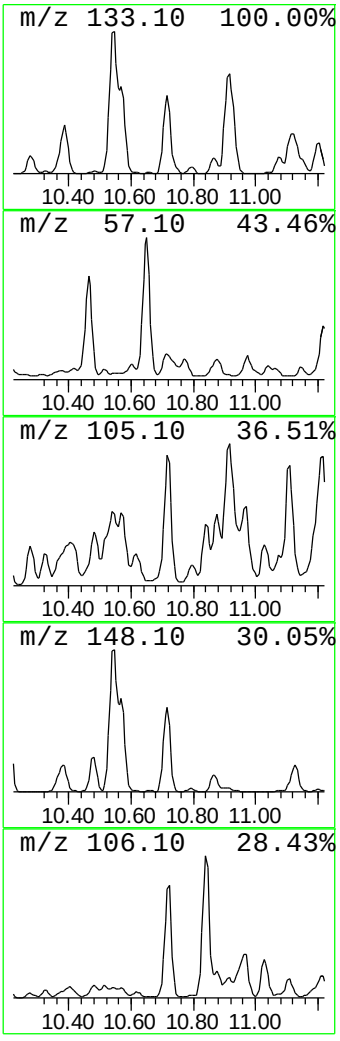
Peak Number 12 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	33.72 ng	8910010	Naphthalene-d8	10.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	76
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	76
3	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	64
4	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	64
5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	64





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Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

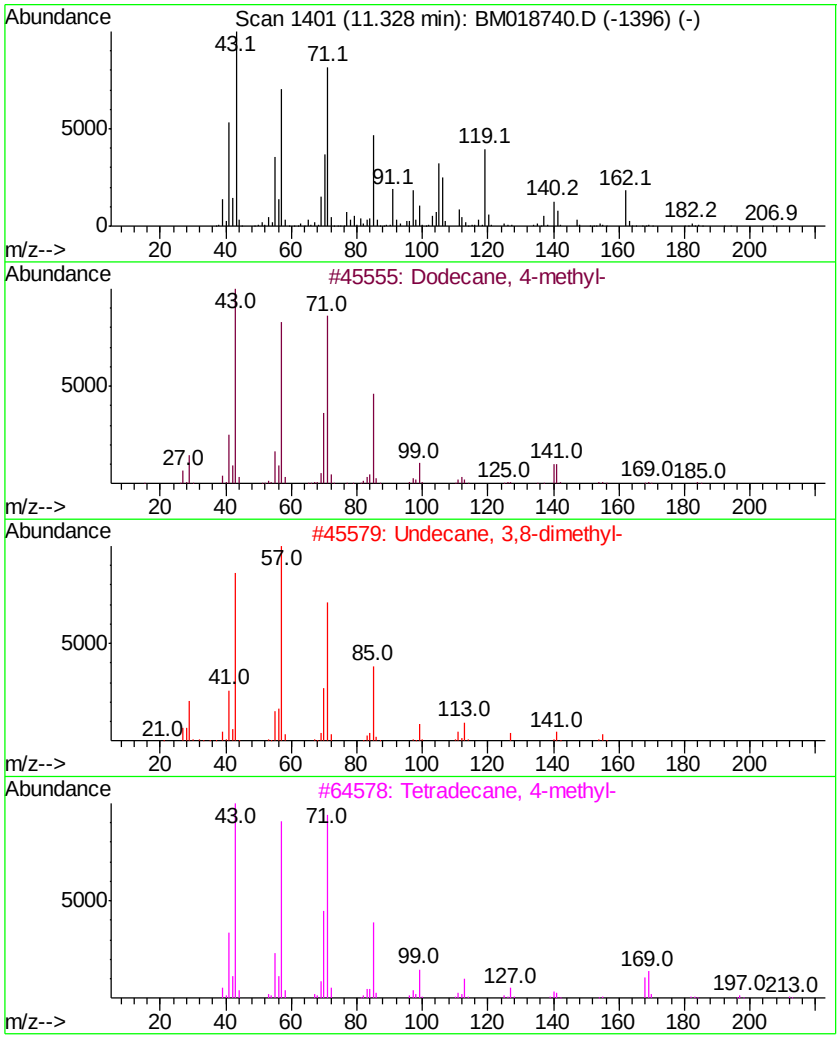
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

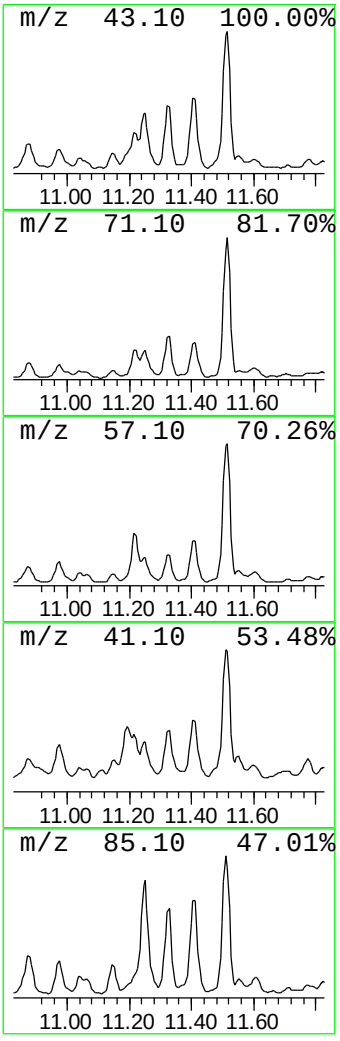
****

Peak Number 13 Dodecane, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	42.55 ng	11243200	Naphthalene-d8	10.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4-methyl-	184	C13H28	006117-97-1	95
2	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	43
3	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	38
4	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	38
5	Decane, 2,3,4-trimethyl-	184	C13H28	062238-15-7	38





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Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

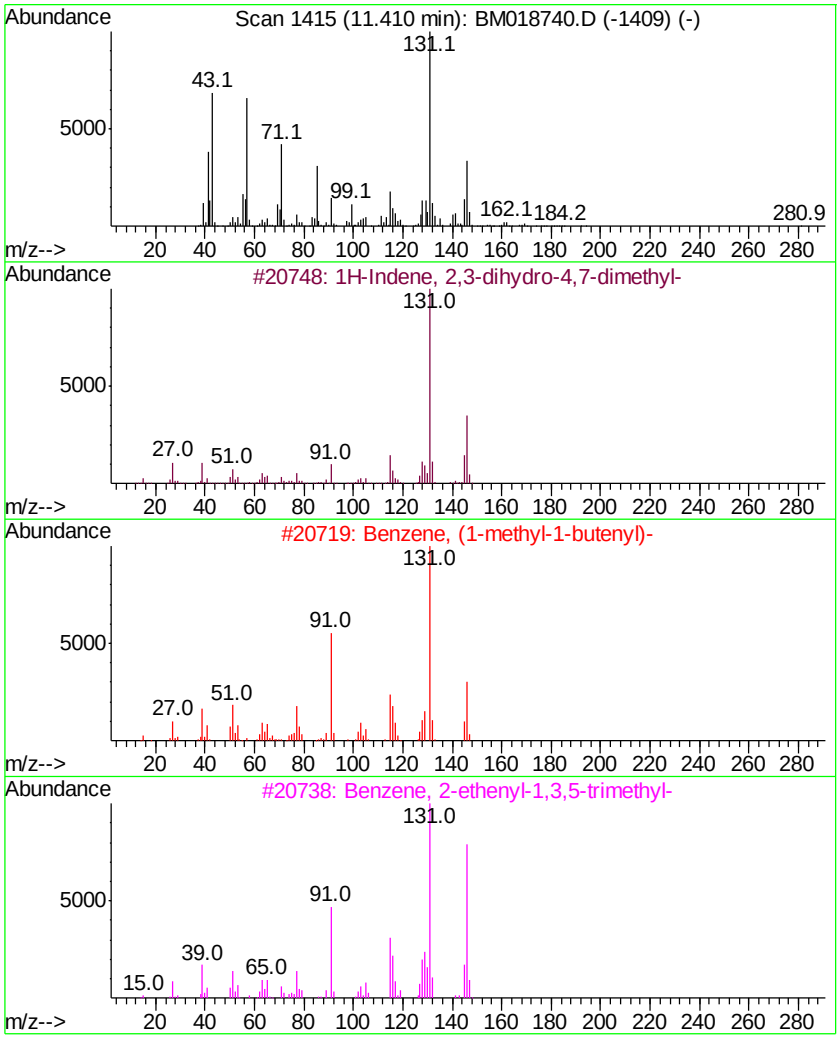
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

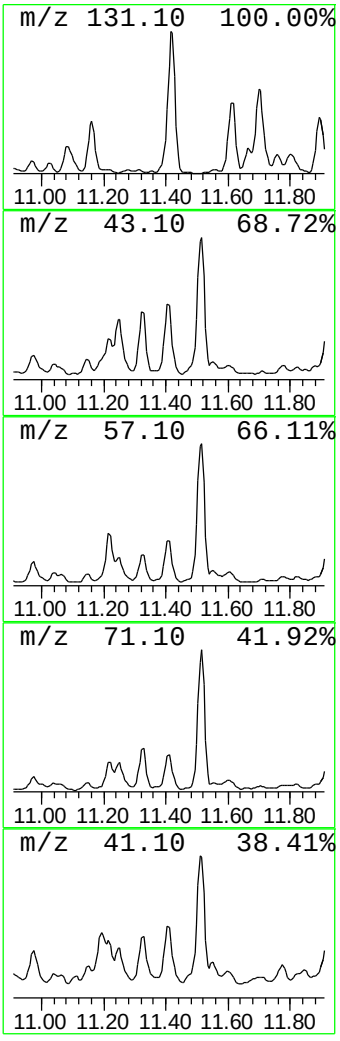
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	55.99 ng	14795600	Naphthalene-d8	10.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	92
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	83
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	83
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64





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Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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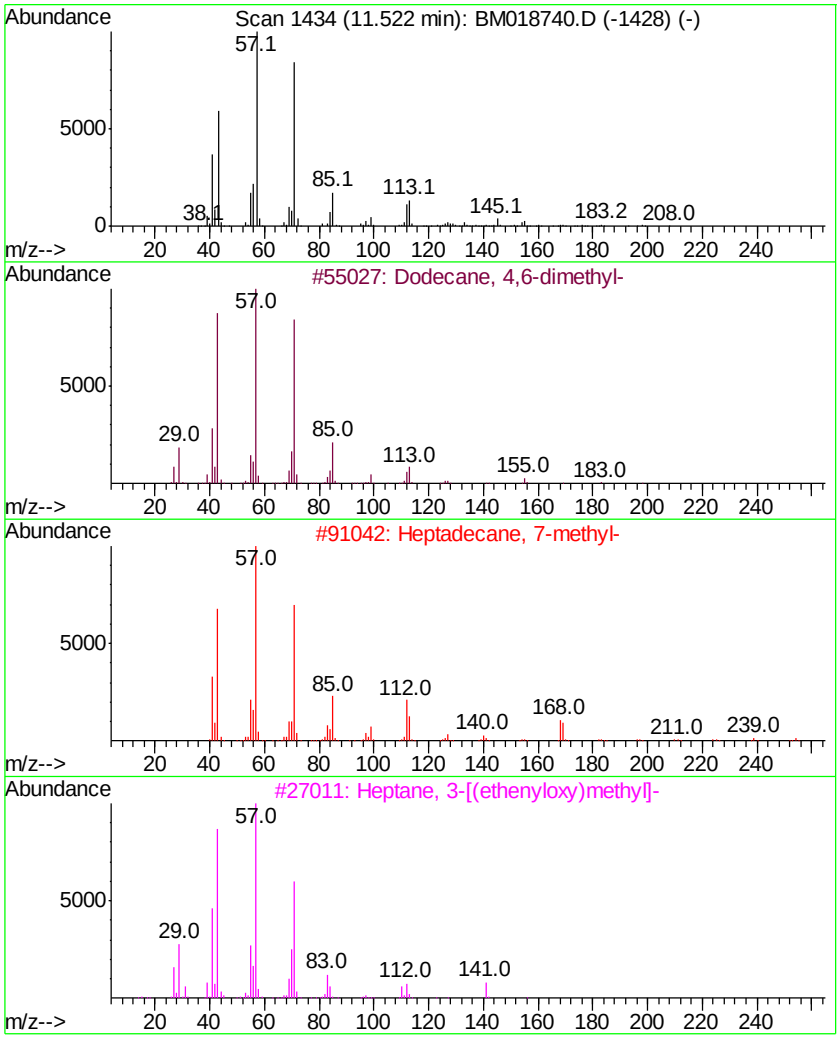
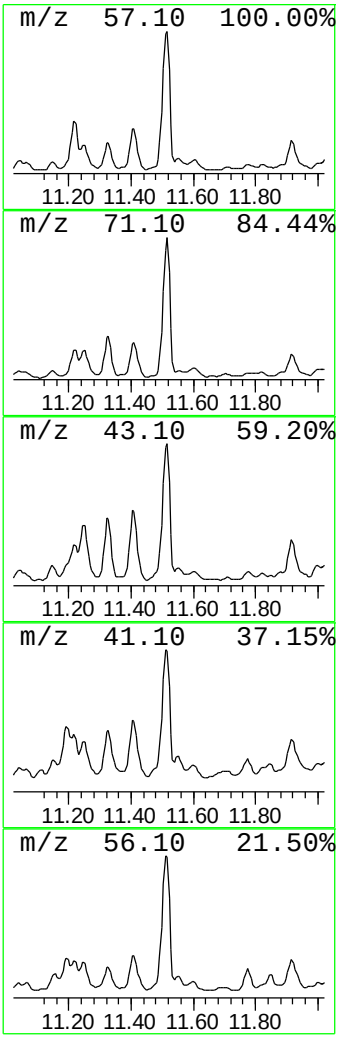
Peak Number 15 Dodecane, 4,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	55.74 ng	14728600	Naphthalene-d8	10.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	94
2	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	72
3	Heptane, 3-[(ethenyloxy)methyl]-	156	C10H20O	000103-44-6	64
4	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	64
5	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	64





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Data File : BM018740.D
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Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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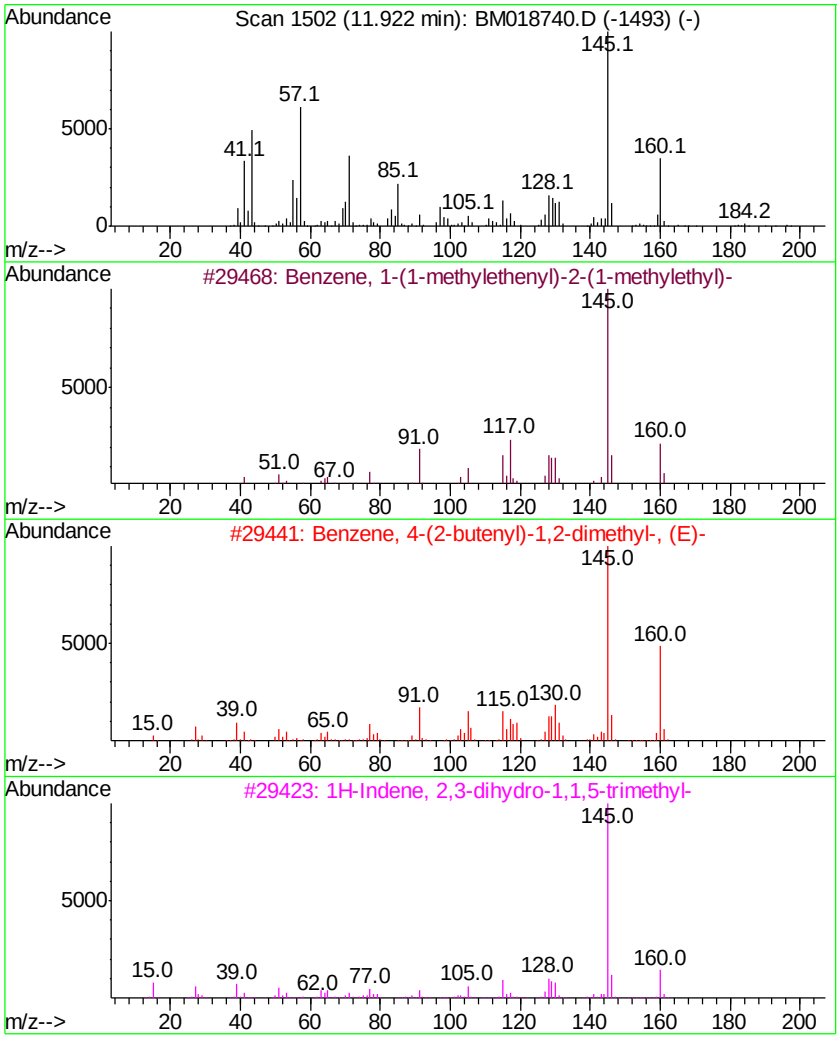
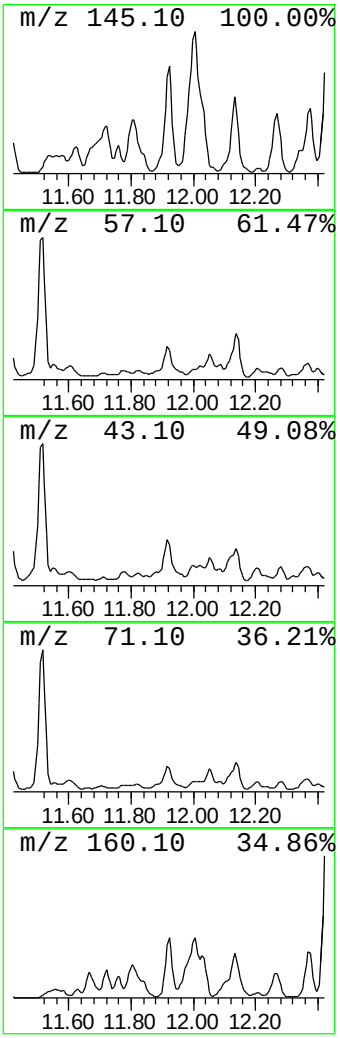
Peak Number 16 Benzene, 1-(1-methylethenyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	41.94 ng	11084200	Naphthalene-d8	10.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	53
2	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	53
3	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	53
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	49
5	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020719\
Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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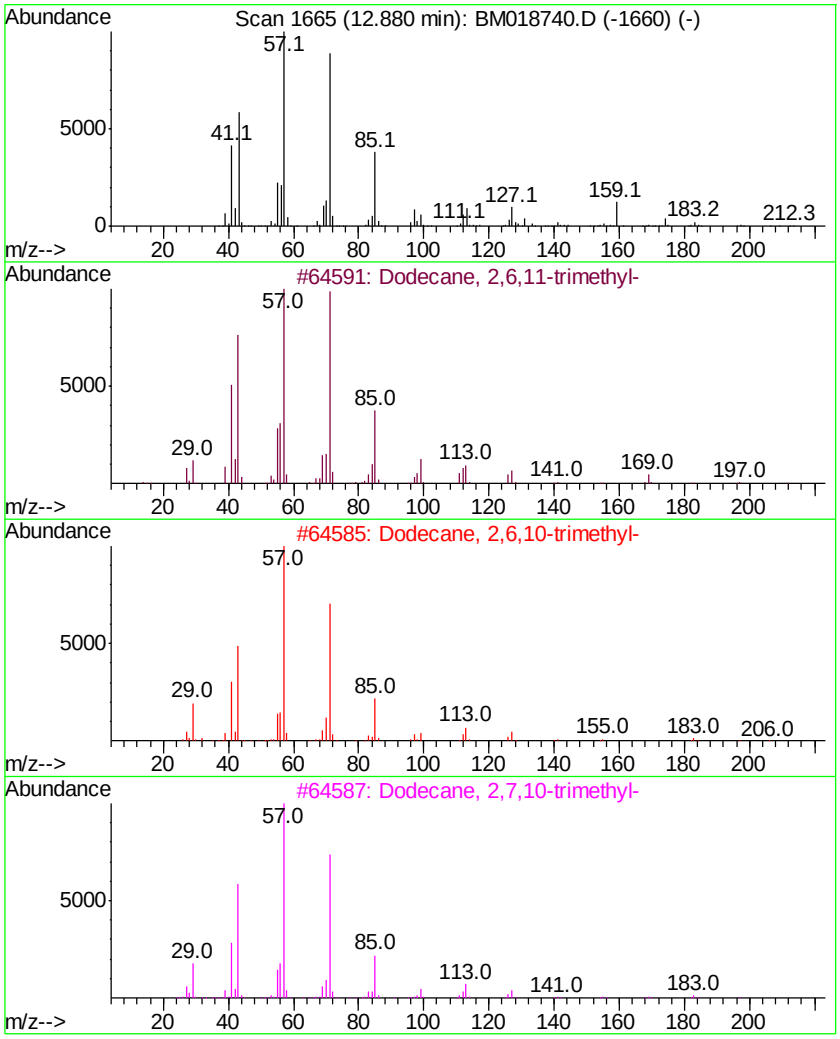
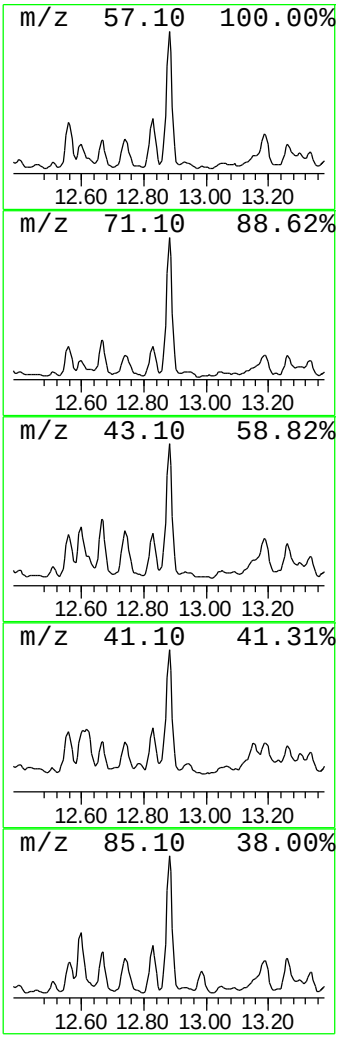
Peak Number 17 Dodecane, 2,6,11-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	32.27 ng	15883800	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	93
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020719\
Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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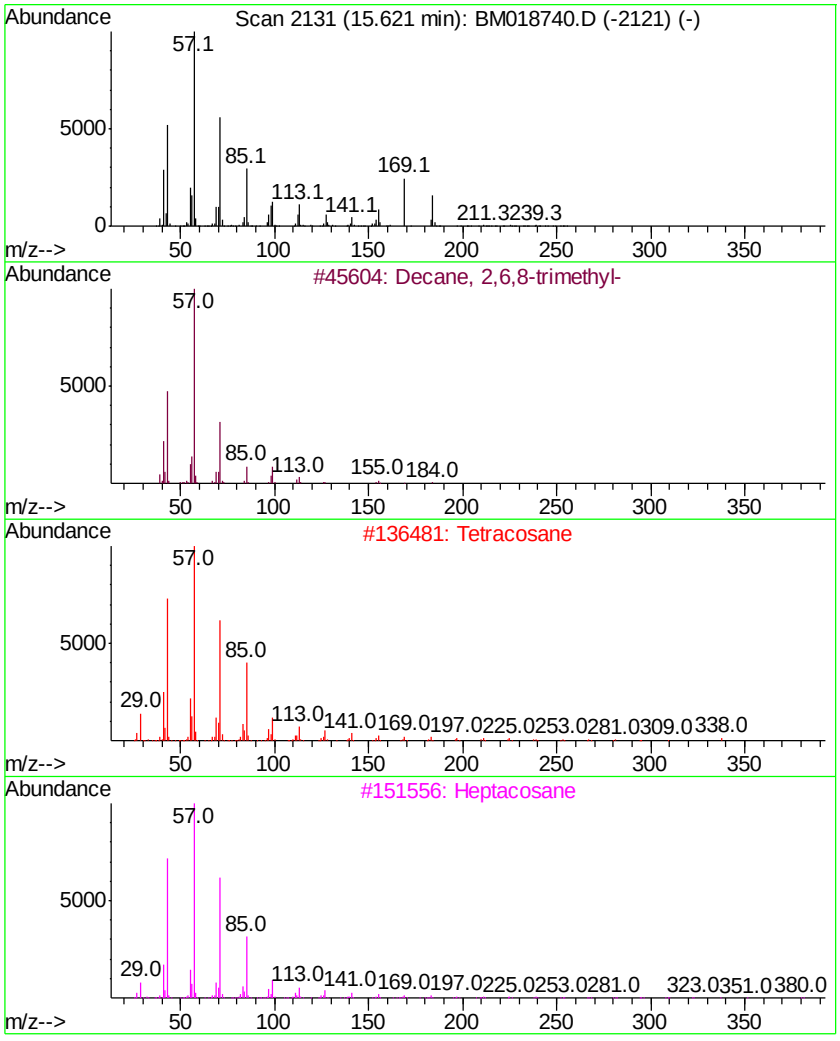
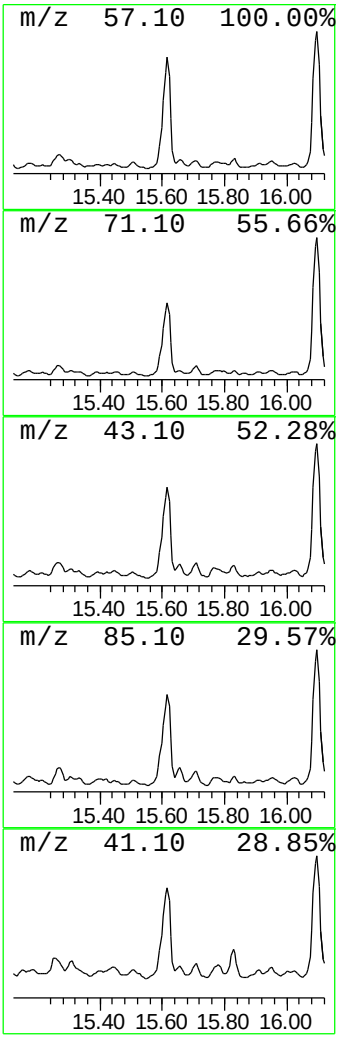
Peak Number 18 Decane, 2,6,8-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	46.40 ng	22842100	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	76
2	Tetracosane	338	C24H50	000646-31-1	72
3	Heptacosane	380	C27H56	000593-49-7	72
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	68
5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020719\
Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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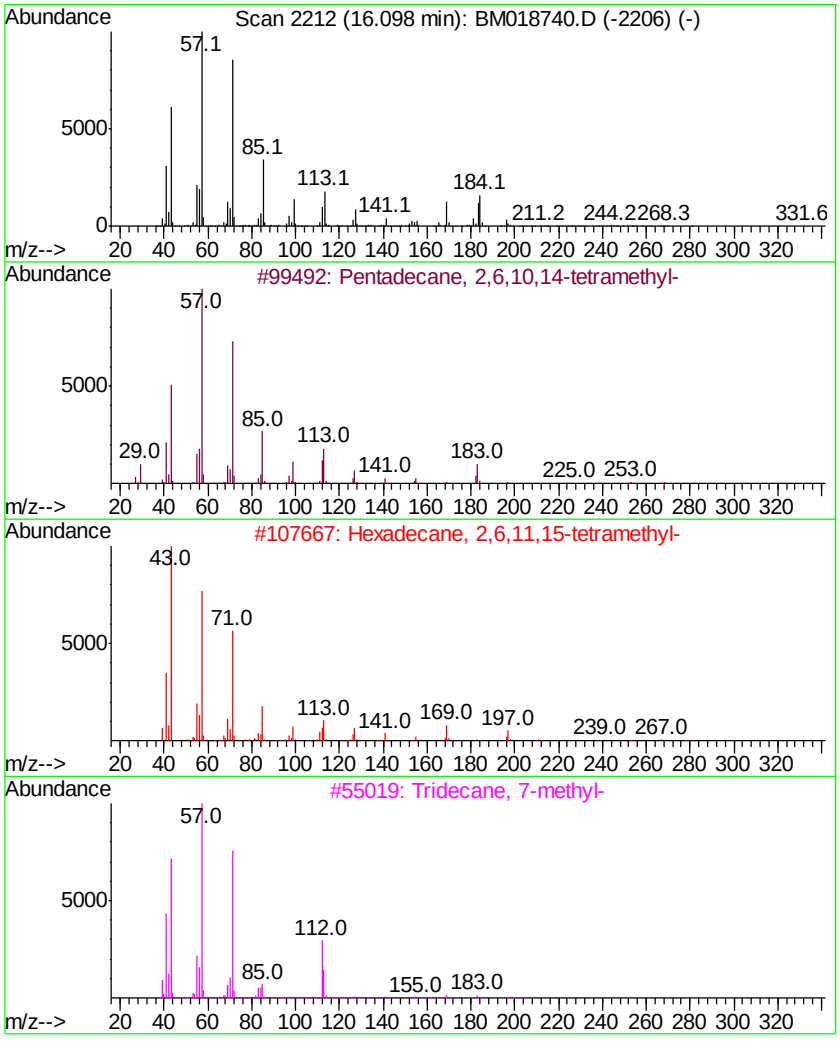
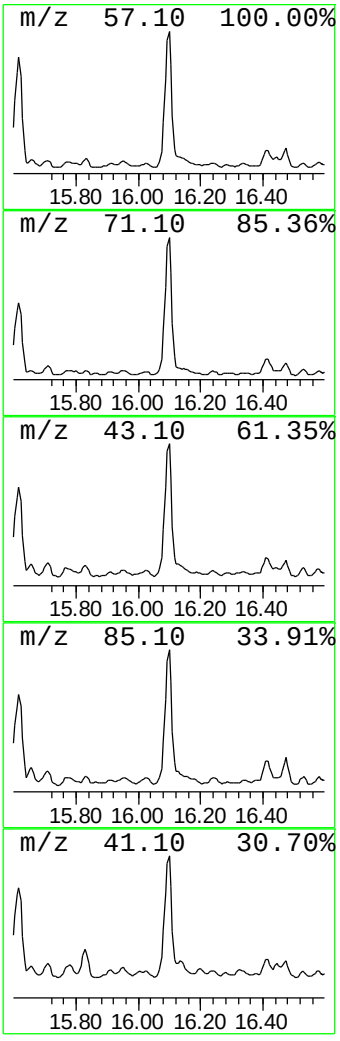
Peak Number 19 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	83.48 ng	24025500	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	86
3	Tridecane, 7-methyl-	198	C14H30	026730-14-3	70
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	68
5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020719\
Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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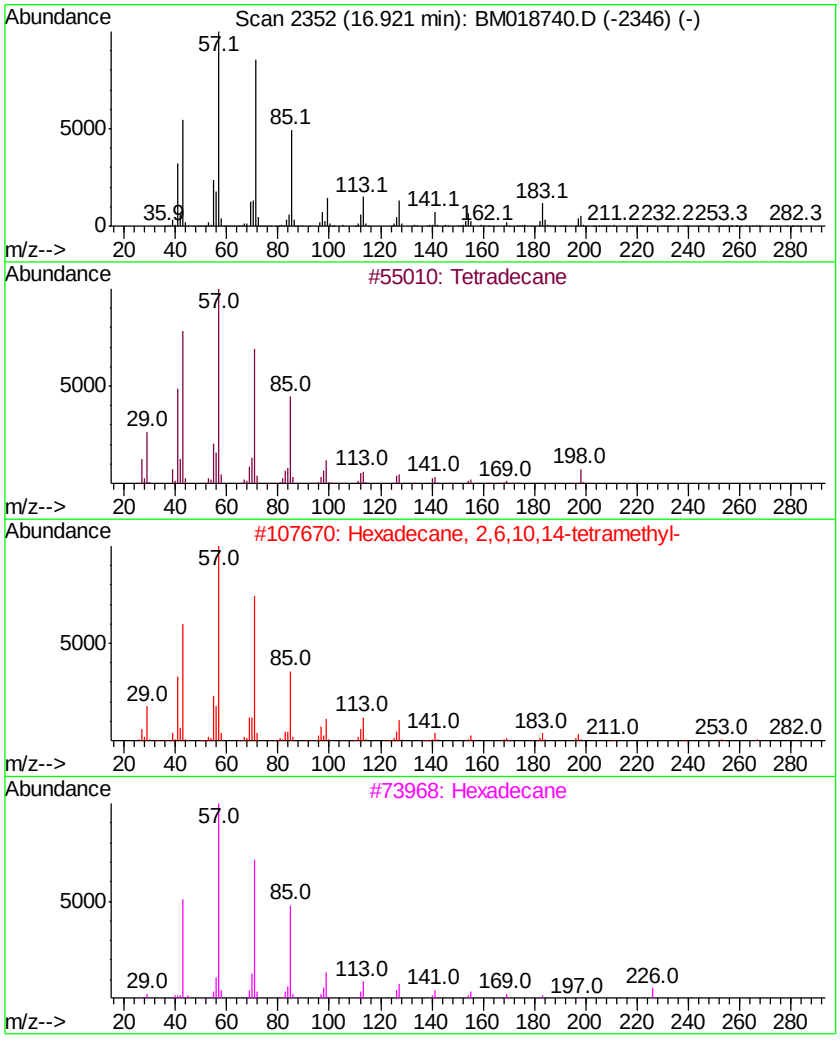
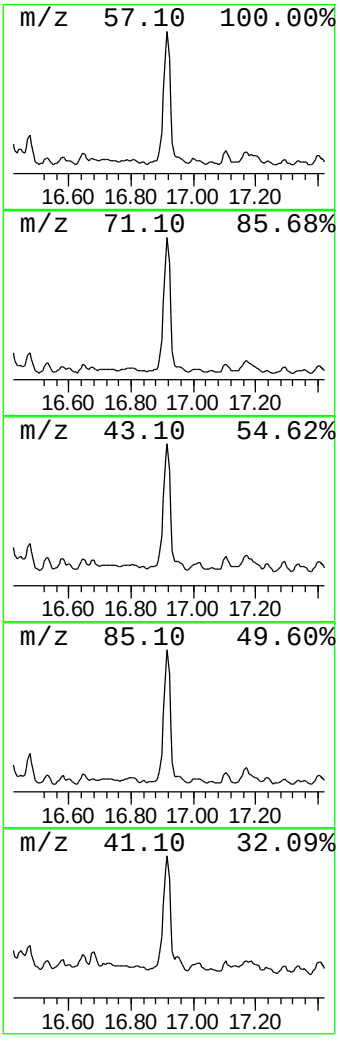
Peak Number 20 Tetradecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	43.71 ng	12581100	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
3	Hexadecane	226	C16H34	000544-76-3	90
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
5	Tetracosane	338	C24H50	000646-31-1	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM020719\
Data File : BM018740.D
Acq On : 07 Feb 2019 16:41
Operator : JU/SJ
Sample : K1390-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01(12-13)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Decane, 2-methyl-	8.35	58.0	ng	22645600	1	7.72	7803180	20.0
Endo-tricyclo[5.2...	9.16	53.7	ng	14197500	2	10.51	5285140	20.0
Benzene, 1,2,4,5-...	9.33	32.7	ng	8630190	2	10.51	5285140	20.0
Benzene, 1-methyl...	9.59	37.9	ng	10019200	2	10.51	5285140	20.0
Undecane, 5-methyl-	9.77	48.9	ng	12925500	2	10.51	5285140	20.0
2-(p-Tolyl)ethyla...	9.85	55.2	ng	14583900	2	10.51	5285140	20.0
Undecane, 2-methyl-	9.92	51.4	ng	13589500	2	10.51	5285140	20.0
Benzene, 1-methyl...	9.97	41.4	ng	10944100	2	10.51	5285140	20.0
Benzene, 1-methox...	10.08	47.4	ng	12526400	2	10.51	5285140	20.0
Undecane, 3,6-dim...	10.65	48.1	ng	12699600	2	10.51	5285140	20.0
Benzene, 1-ethyl-...	10.72	33.7	ng	8910010	2	10.51	5285140	20.0
Dodecane, 4-methyl-	11.33	42.5	ng	11243200	2	10.51	5285140	20.0
1H-Indene, 2,3-di...	11.41	56.0	ng	14795600	2	10.51	5285140	20.0
Dodecane, 4,6-dim...	11.52	55.7	ng	14728600	2	10.51	5285140	20.0
Benzene, 1-(1-met...	11.92	41.9	ng	11084200	2	10.51	5285140	20.0
Dodecane, 2,6,11-...	12.88	32.3	ng	15883800	3	14.37	9844960	20.0
Decane, 2,6,8-tri...	15.62	46.4	ng	22842100	3	14.37	9844960	20.0
Pentadecane, 2,6,...	16.10	83.5	ng	24025500	4	17.12	5756200	20.0
Tetradecane	16.92	43.7	ng	12581100	4	17.12	5756200	20.0