LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.190	6	9	11	rBV	556969	928893	1.46%	0.093%
2	2.235	11	13	17	rVB2	889608	1674814	2.63%	0.168%
3	2.373	17	25	26	rBV2	779809	2271774	3.57%	0.227%
4	2.475	26	34	37	rVB	3761991	10537427	16.55%	1.055%
5	2.544	37	40	42	rBV	1297713	2700233	4.24%	0.270%
6	2.590	42	44	46	rVB	1650209	2470475	3.88%	0.247%
7	2.658	46	50	53	rVB2	951157	1788419	2.81%	0.179%
8	2.795	53	62	67	rBV3	1444203	4556542	7.16%	0.456%
9	2.955	70	76	79	rBV3	1397445	4261368	6.69%	0.427%
10	3.024	79	82	85	rVB	1582134	2994199	4.70%	0.300%
11	3.115	85	90	93	rBV3	807227	2280124	3.58%	0.228%
12	3.218	96	99	102	rBV	922258	2024502	3.18%	0.203%
13	3.287	102	105	108	rBV2	531930	1394662	2.19%	0.140%
14	3.401	108	115	120	rVB3	4105307	18129833	28.47%	1.815%
15	3.493	120	123	125	rBV2	1394124	2988283	4.69%	0.299%
16	3.596	125	132	135	rVB	5069345	15988187	25.11%	1.601%
17	3.641	135	136	140	rVB2	605191	908089	1.43%	0.091%
18	3.756	140	146	149	rBV3	4132575	10438617	16.39%	1.045%
19	3.813	149	151	153	rBV	1566798	1911558	3.00%	0.191%
20	3.938	157	162	164	rBV2	2320797	5600907	8.80%	0.561%
21	3.984	164	166	169	rBV	1963515	3964616	6.23%	0.397%
22	4.041	169	171	173	rVB	1404473	1972716	3.10%	0.198%
23	4.098	173	176	178	rBV2	773077	2014731	3.16%	0.202%
24	4.167	178	182	185	rVB2	5140695	11990683	18.83%	1.201%
25	4.281	187	192	196	rBV2	5397377	12161299	19.10%	1.218%
26	4.373	196	200	203	rVB3	1436772	3946552	6.20%	0.395%
27	4.453	203	207	209	rBV3	1559568	3165776	4.97%	0.317%
28	4.510	209	212	214	rBV	2164101	4333299	6.80%	0.434%
29	4.590	217	219	221	rBV2	1032571	1947540	3.06%	0.195%
30	4.647	221	224	226	rBV2	3015843	7260185	11.40%	0.727%
31	4.739	226	232	235	rVB2	8266712	19407215	30.47%	1.943%
32	4.796	235	237	240	rBV	3953418	6616848	10.39%	0.663%
33	4.864	240	243	246	rVB4	1505938	4100103	6.44%	0.411%
34	4.933	246	249	254	rVB3	1975875	5464080	8.58%	0.547%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	5.036	254	258	259	rBV3	2980876	8180993	12.85%	0.819%
36	5.116	260	265	269	rBV	6005538	19524211	30.66%	1.955%
37	5.287	270	280	283	rVB3	12036878	63682442	100.00%	6.377%
38	5.356	283	286	288	rVB2	3380433	4616000	7.25%	0.462%
39	5.424	290	292	294	rBV2	6126319	10233865	16.07%	1.025%
40	5.470	294	296	297	rBV	1437158	2169535	3.41%	0.217%
41	5.516	297	300	303	rVB2	9534166	18199487	28.58%	1.822%
42	5.584	303	306	309	rVB	7744826	14886466	23.38%	1.491%
43	5.676	309	314	316	rBV3	5962377	15278722	23.99%	1.530%
44	5.756	316	321	324	rBV3	1928499	6342457	9.96%	0.635%
45	5.824	324	327	330	rBV2	6243523	16020019	25.16%	1.604%
46	5.927	330	336	341	rBV4	5254568	17780472	27.92%	1.780%
47	6.156	350	356	358	rBV	6516705	25291856	39.72%	2.533%
48	6.236	358	363	369	rVV2	9839168	58244826	91.46%	5.832%
49	6.327	369	371	374	rVB2	8200591	17324565	27.20%	1.735%
50	6.407	374	378	380	rVB	6393874	14320037	22.49%	1.434%
51	6.464	380	383	385	rBV2	1786585	3689853	5.79%	0.369%
52	6.567	385	392	396	rVB3	11400714	46656493	73.26%	4.672%
53	6.659	396	400	402	rBV2	3610515	9324923	14.64%	0.934%
54	6.784	405	411	414	rVB3	7065488	21733638	34.13%	2.176%
55	6.864	414	418	419	rBV2	5548758	11792325	18.52%	1.181%
56	6.967	422	427	429	rBV2	7478608	24306034	38.17%	2.434%
57	7.116	438	440	443	rVB2	6389968	10066037	15.81%	1.008%
58	7.196	443	447	449	rBV	5265367	16745217	26.29%	1.677%
59	7.276	451	454	455	rBV	3621088	7271808	11.42%	0.728%
60	7.356	460	461	463	rVV2	4027156	6157476	9.67%	0.617%
61	7.402	463	465	467	rVV2	5070174	7181339	11.28%	0.719%
62	7.505	469	474	475	rVV2	7103392	21262323	33.39%	2.129%
63	7.676	478	489	492	rBV7	8237067	45695815	71.76%	4.576%
64	7.756	492	496	499	rVV4	9014717	30373700	47.70%	3.042%
65	7.813	499	501	504	rVB4	5025136	10434486	16.39%	1.045%
66	7.870	504	506	510	rVB	4305483	5799121	9.11%	0.581%
67	8.030	510	520	523	rBV6	10133766	58209925	91.41%	5.829%
68	8.156	528	531	532	rBV2	3845862	5620015	8.83%	0.563%
69	8.259	537	540	545	rVV7	7284712	23795070	37.37%	2.383%
70	8.327	545	546	547	rVV	4085805	4465595	7.01%	0.447%
71	8.362	547	549	551	rVV2	7477574	11540468	18.12%	1.156%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	8.407	551	553	555	rVV2	5298621	10409839	16.35%	1.042%
73	8.442	555	556	557	rVV	5547474	4647308	7.30%	0.465%
74	8.476	557	559	563	rVV3	5238812	11551635	18.14%	1.157%
75	8.579	565	568	569	rVV3	7206699	12709065	19.96%	1.273%
76	8.625	569	572	574	rVV4	2707807	6841174	10.74%	0.685%
77	8.693	574	578	582	rVV	8608536	18988324	29.82%	1.901%
78	8.785	582	586	589	rVB	8188321	12800658	20.10%	1.282%
79	8.853	591	592	595	rVB3	846698	1359713	2.14%	0.136%
80	8.979	602	603	605	rVB2	1990366	1426410	2.24%	0.143%
81	9.025	605	607	609	rVB	4135986	3927857	6.17%	0.393%
82	9.116	612	615	617	rBV	4350116	4485631	7.04%	0.449%
83	9.219	621	624	627	rVB	1555014	2261517	3.55%	0.226%
84	9.288	627	630	632	rVB	2314904	3318772	5.21%	0.332%
85	9.356	633	636	637	rBV	2899305	3006147	4.72%	0.301%
86	9.425	640	642	643	rVB2	1314058	1387858	2.18%	0.139%
87	9.470	645	646	650	rVB2	1010661	1154772	1.81%	0.116%
88	9.630	659	660	662	rBV	1446530	1919435	3.01%	0.192%
89	9.688	662	665	667	rBV2	1650946	1918066	3.01%	0.192%
90	9.893	677	683	684	rBV3	784247	1022478	1.61%	0.102%
91	10.008	690	693	696	rBV3	422935	779682	1.22%	0.078%
92	10.133	702	704	706	rVB	1470858	1148660	1.80%	0.115%
93	10.476	731	734	736	rVB	2644554	2809144	4.41%	0.281%
94	10.602	743	745	749	rBV	1339864	1978342	3.11%	0.198%
95	11.048	783	784	786	rBV	769013	807087	1.27%	0.081%
96	11.162	792	794	795	rBV	1396223	1215201	1.91%	0.122%
97	12.751	931	933	936	rBV	3183082	3475309	5.46%	0.348%
98	13.654	1009	1012	1018	rBV2	339602	757610	1.19%	0.076%
99	13.791	1020	1024	1028	rBV	1131595	1400685	2.20%	0.140%
100	15.162	1141	1144	1146	rBV	601313	709931	1.11%	0.071%

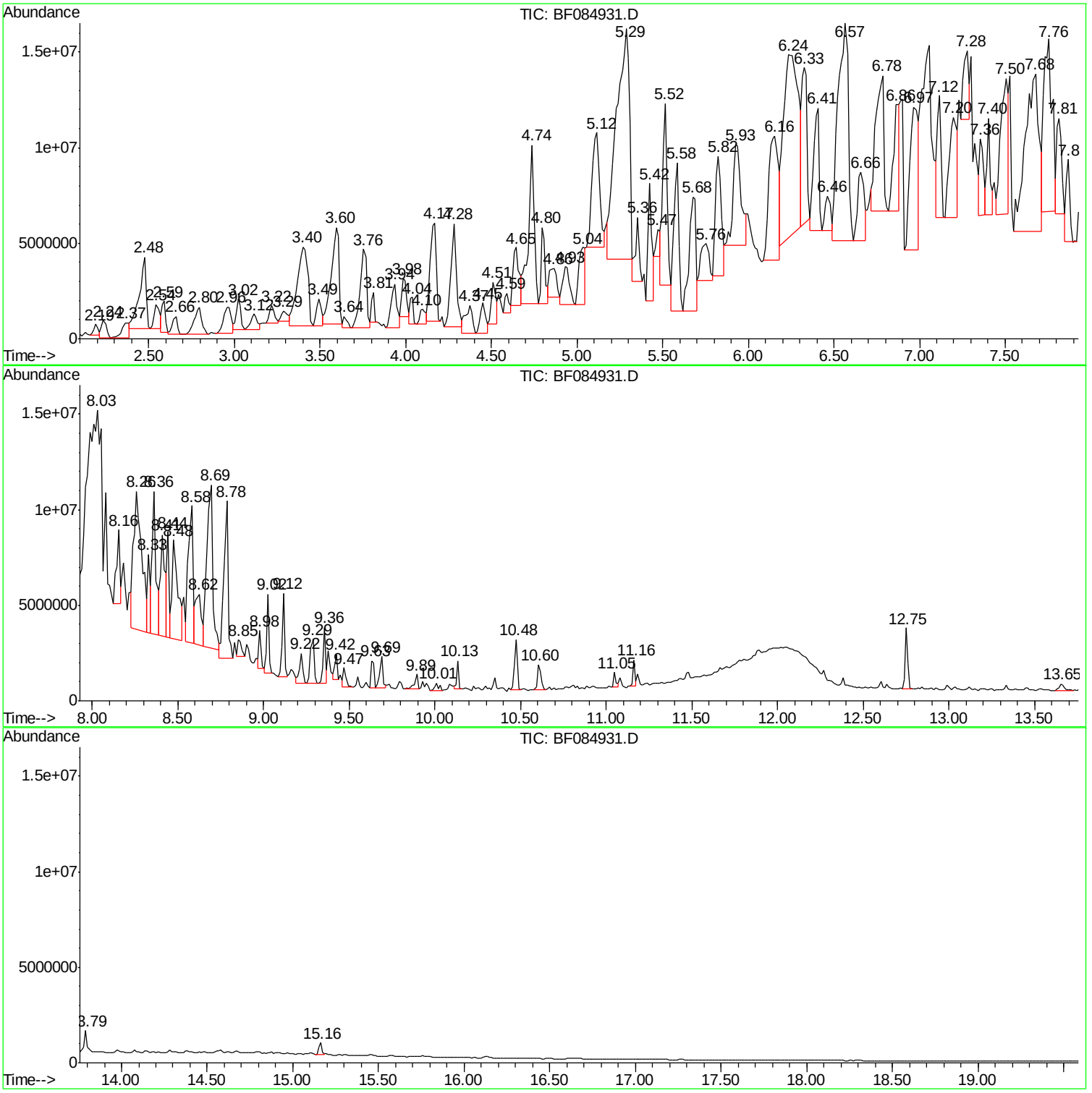
Sum of corrected areas: 998630473

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

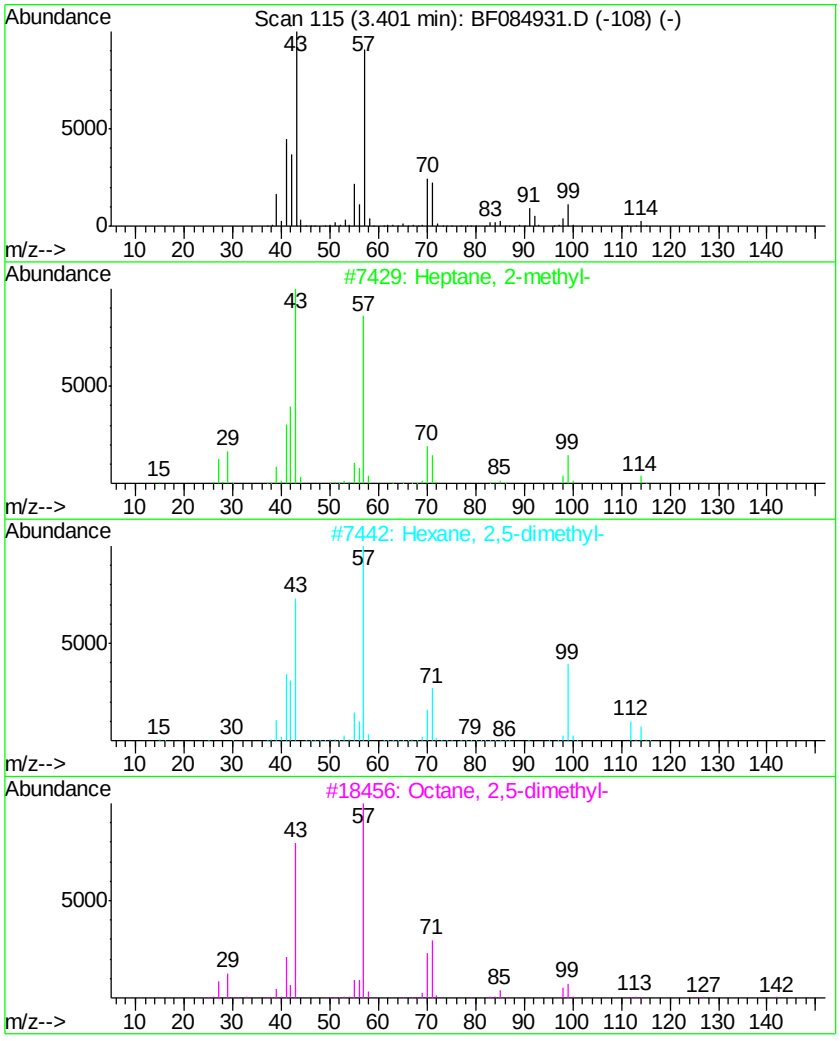
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

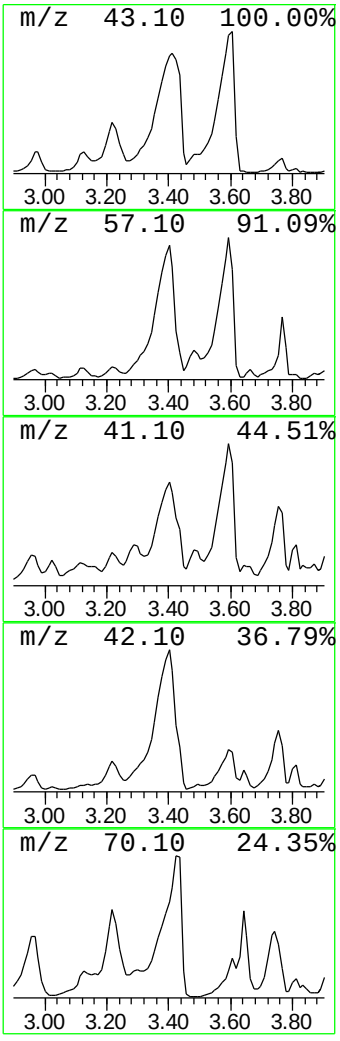
****

Peak Number 1 Heptane, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.40	38.88 ng	18129800	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	50
4	2-Piperidinone	99	C5H9NO	000675-20-7	46
5	(Aminomethyl)cyclopropane	71	C4H9N	002516-47-4	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

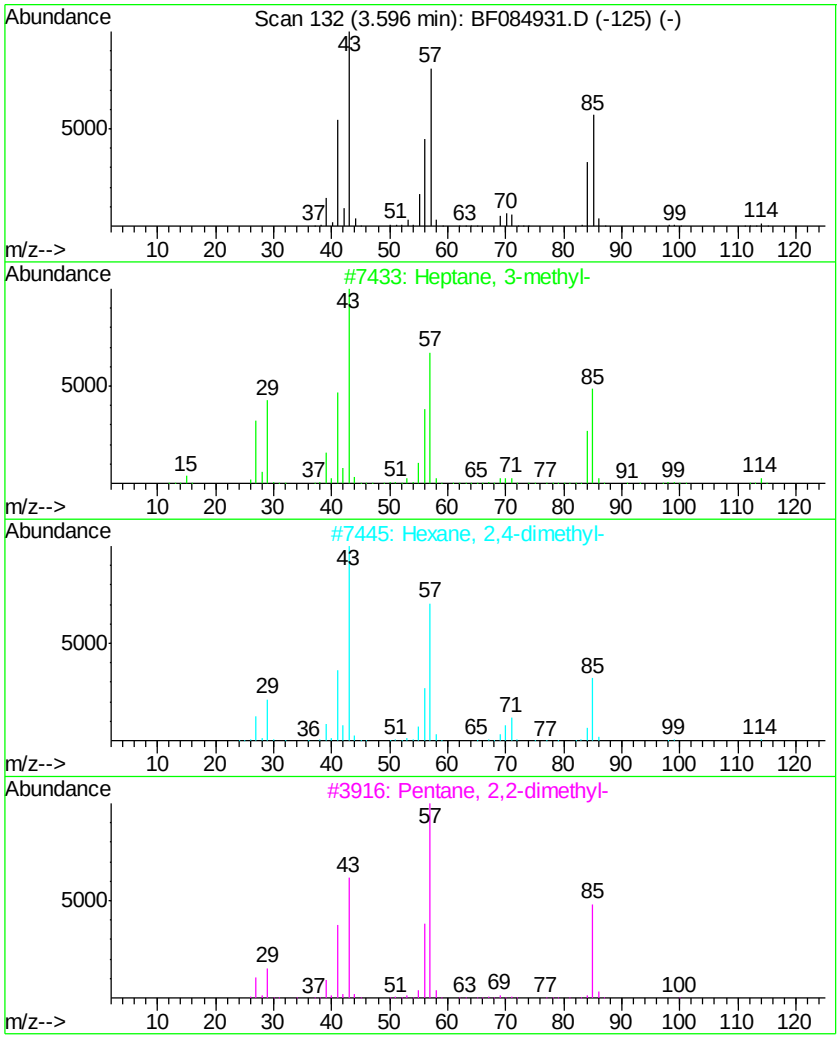
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

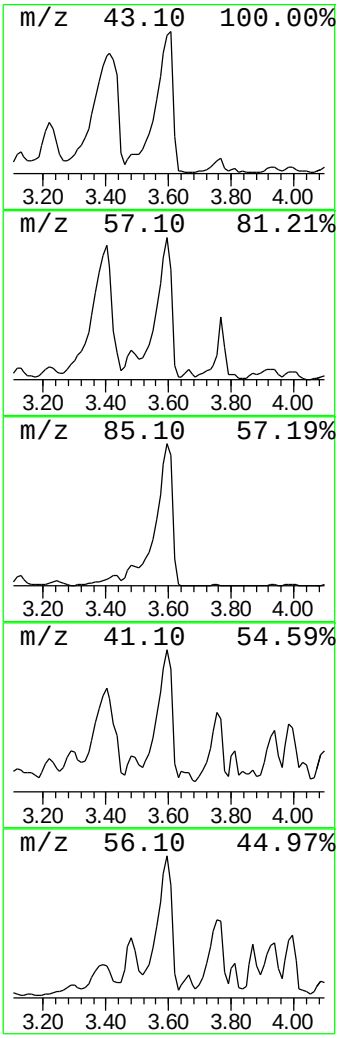
****

Peak Number 2 Heptane, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	34.29 ng	15988200	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	90
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	80
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	58
5	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

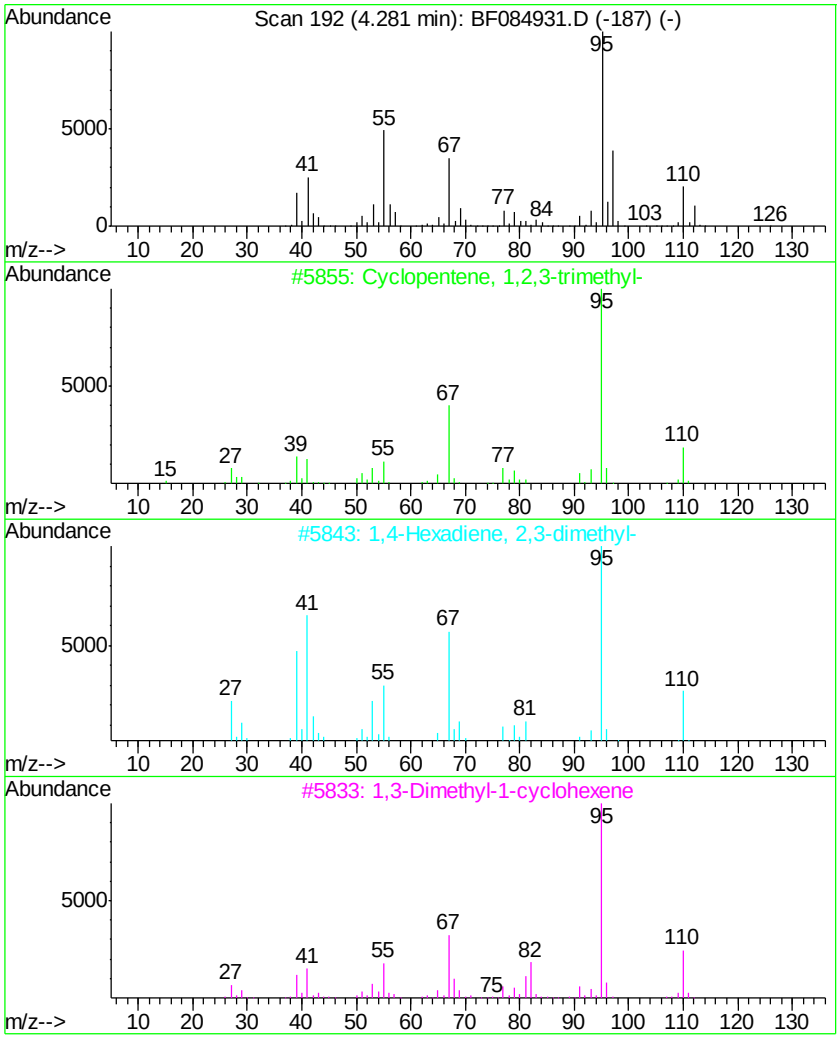
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

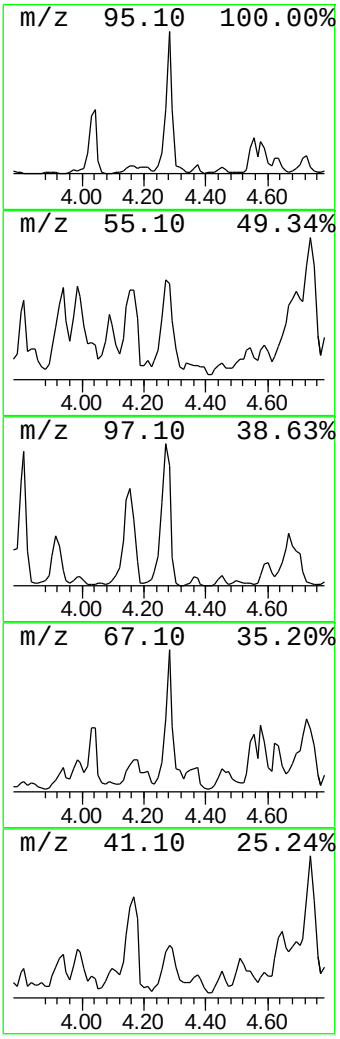
****

Peak Number 3 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.28	26.08 ng	12161300	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	91
2	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	64
3	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	60
4	1,5-Hexadiene, 2,5-dimethyl-	110	C8H14	000627-58-7	59
5	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	55





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

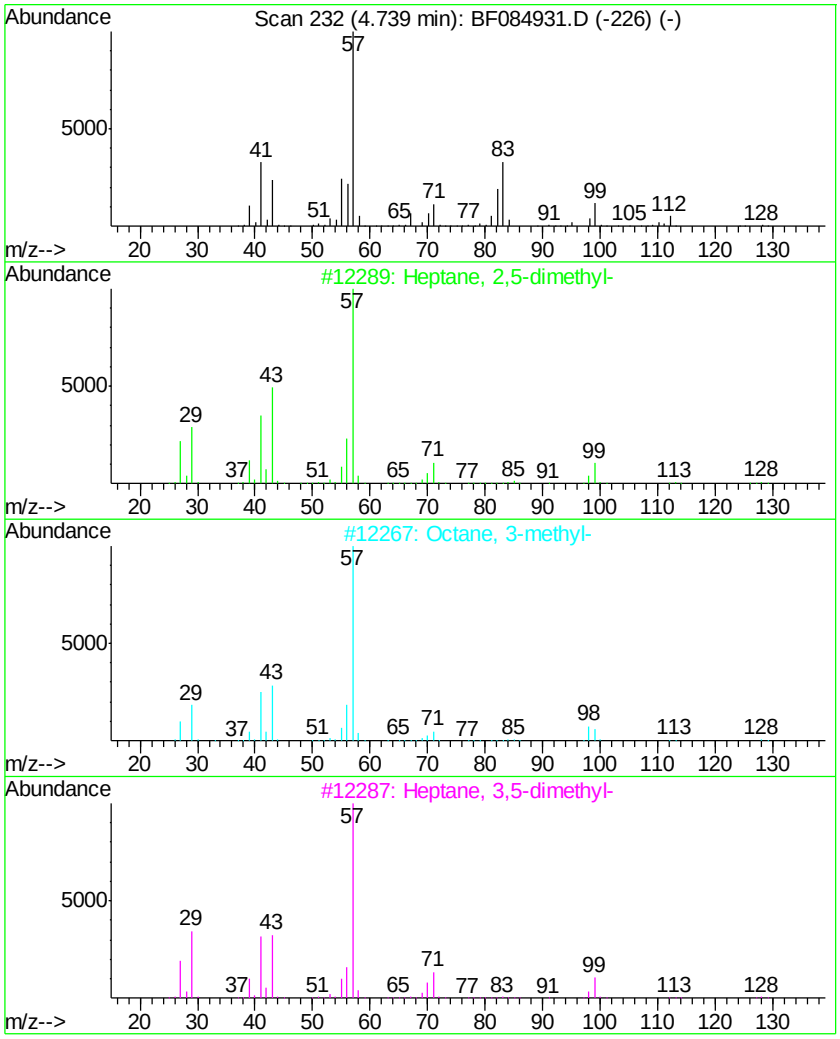
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

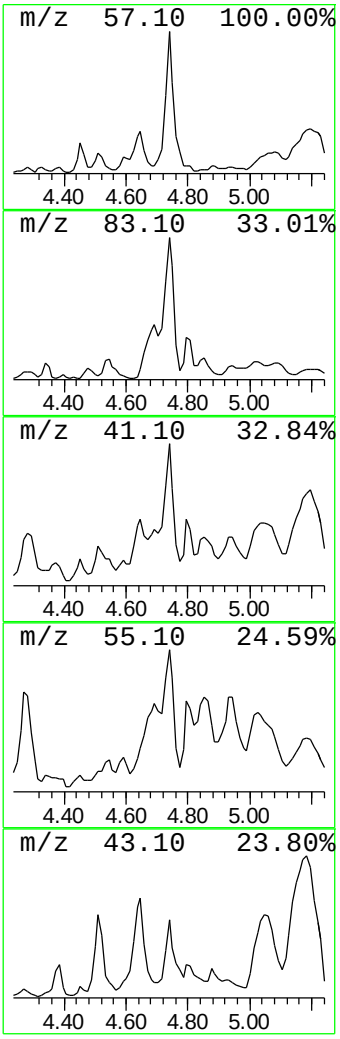
****

Peak Number 4 unknown4.74 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.74	41.62 ng	19407200	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	38
2	Octane, 3-methyl-	128	C9H20	002216-33-3	38
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	30
4	Heptane, 2-bromo-	178	C7H15Br	001974-04-5	27
5	4-Bromoheptane	178	C7H15Br	000998-93-6	27





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

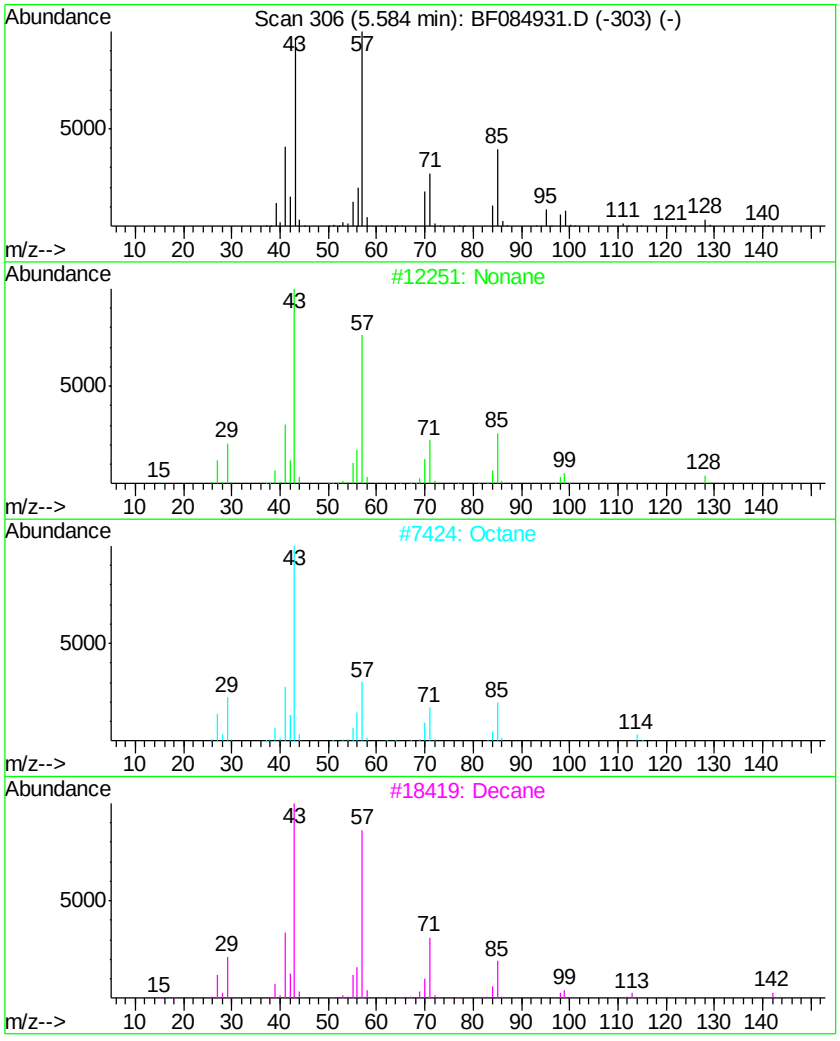
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

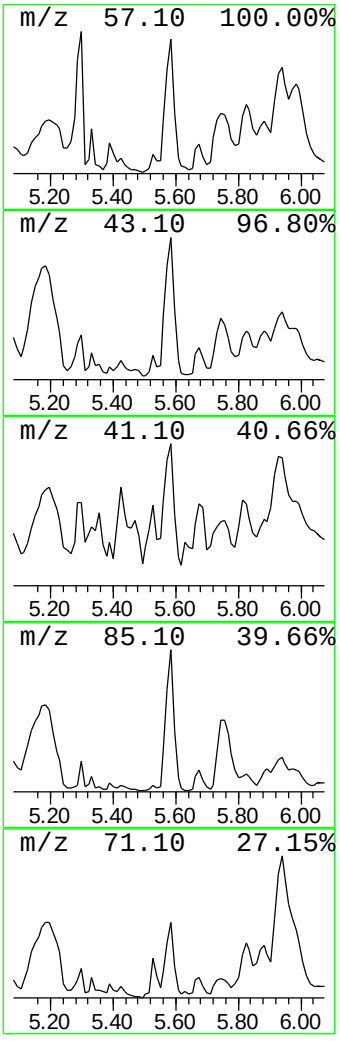
****

Peak Number 7 Nonane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.58	31.93 ng	14886500	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	94
2	Octane	114	C8H18	000111-65-9	64
3	Decane	142	C10H22	000124-18-5	53
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

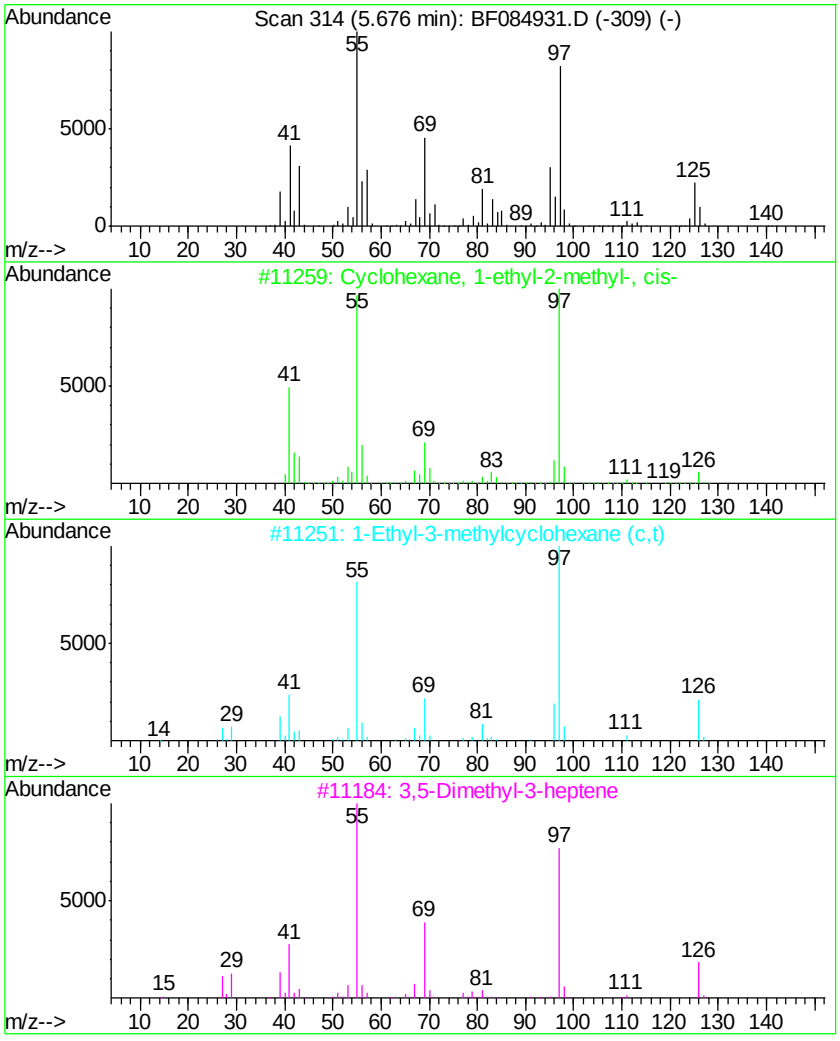
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

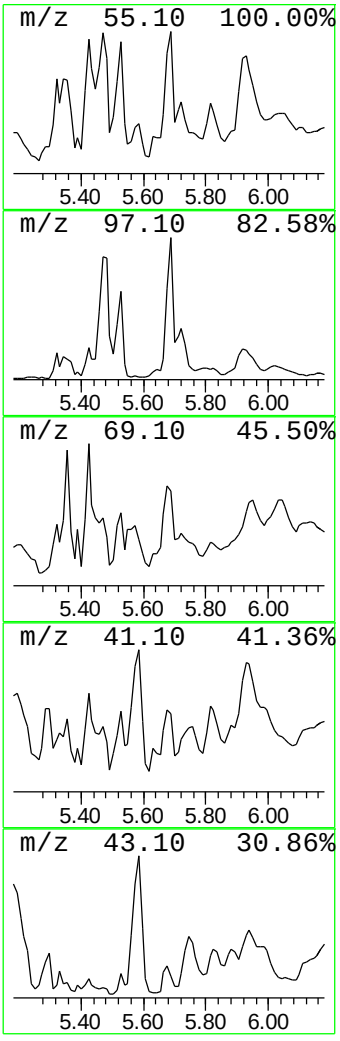
****

Peak Number 8 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.68	32.77 ng	15278700	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	64
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	58
3	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	53
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	53
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	52





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

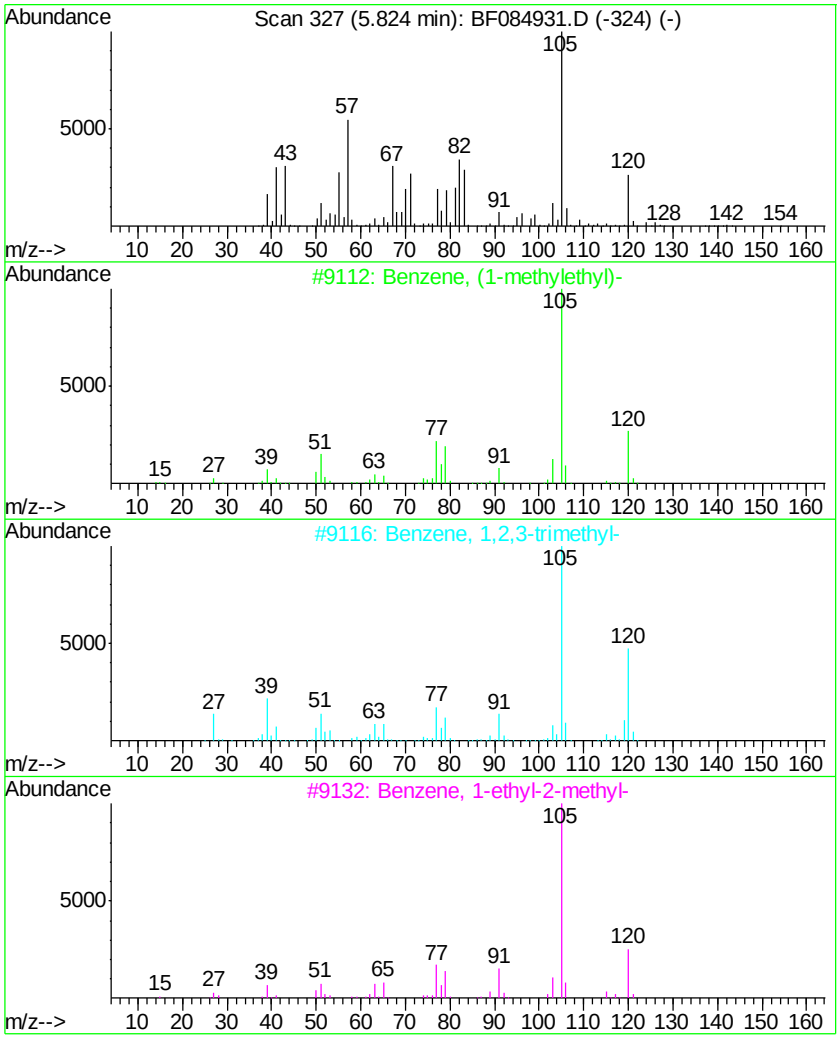
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

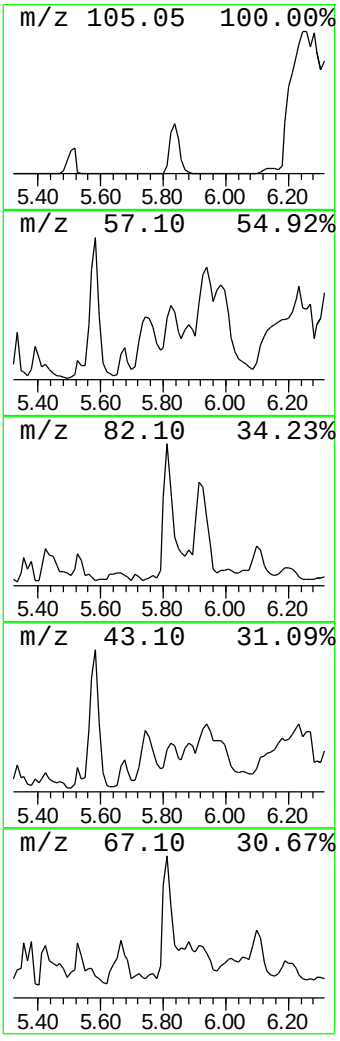
****

Peak Number 9 Benzene, (1-methylethyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	34.36 ng	16020000	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	60
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	41
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	38
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	35
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	35





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

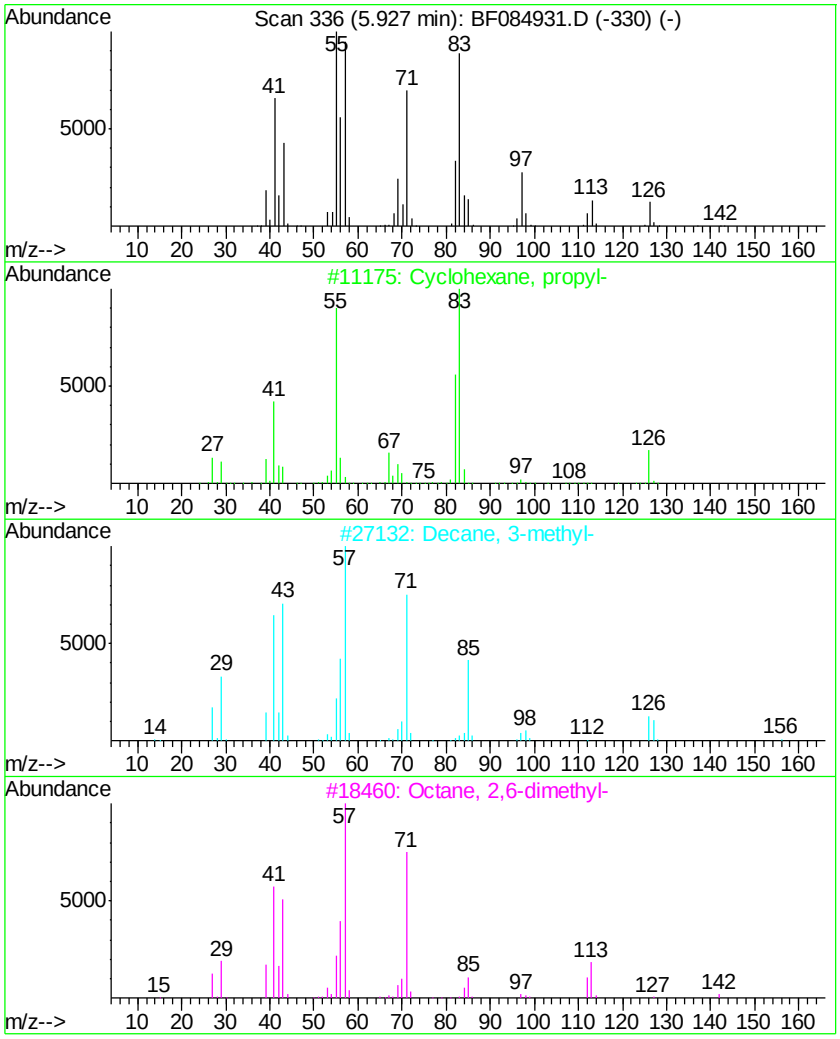
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

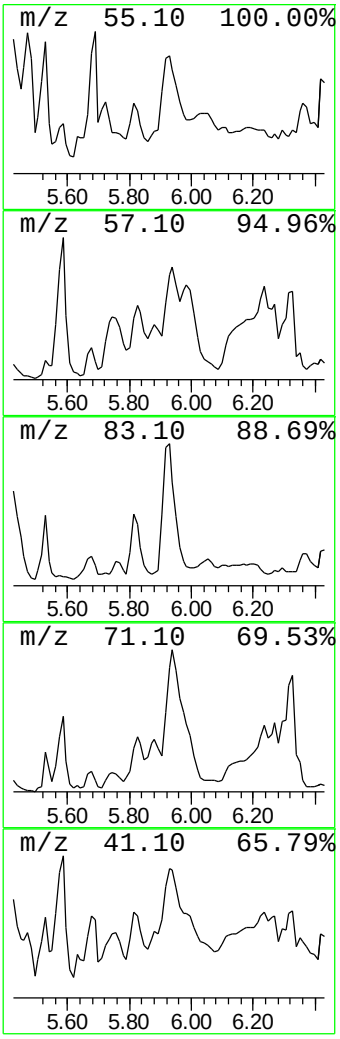
****

Peak Number 10 unknown5.93 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	38.14 ng	17780500	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	35
2	Decane, 3-methyl-	156	C11H24	013151-34-3	35
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	27
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	25
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

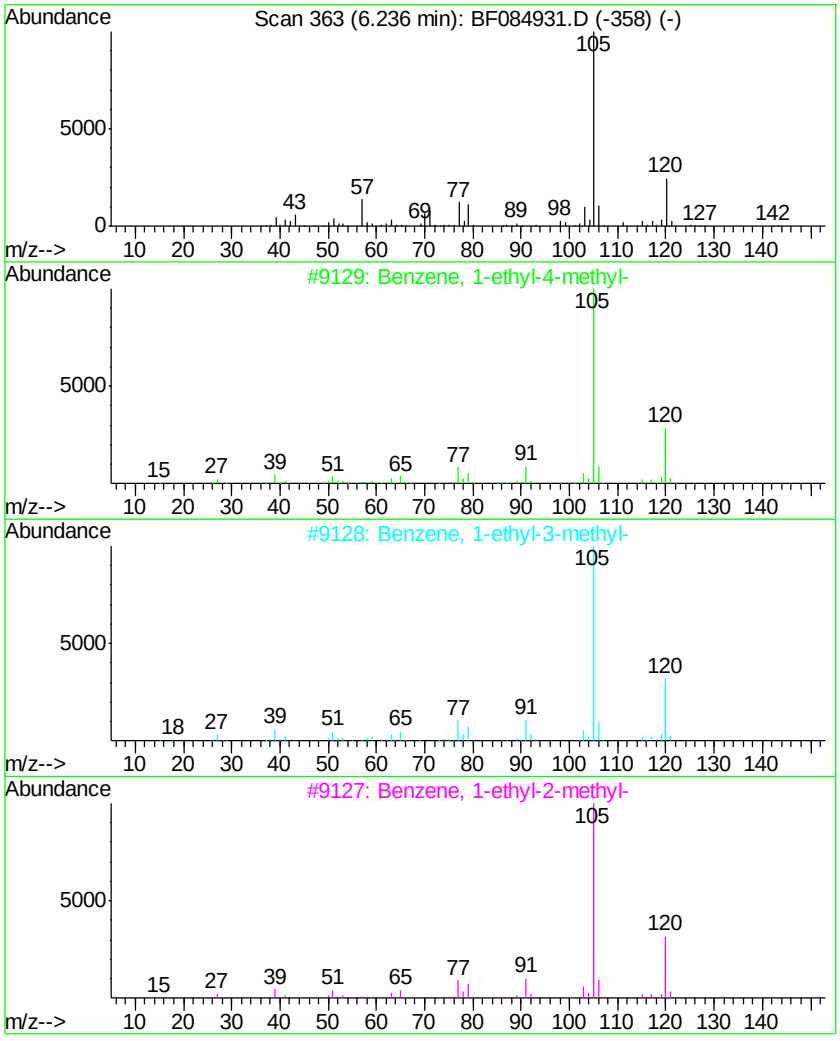
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

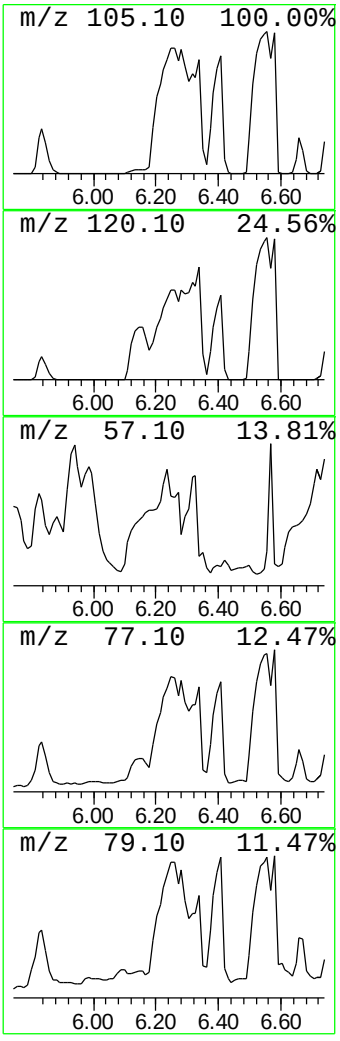
****

Peak Number 12 Benzene, 1-ethyl-4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	124.92 ng	58244800	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	83
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	83
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	83





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

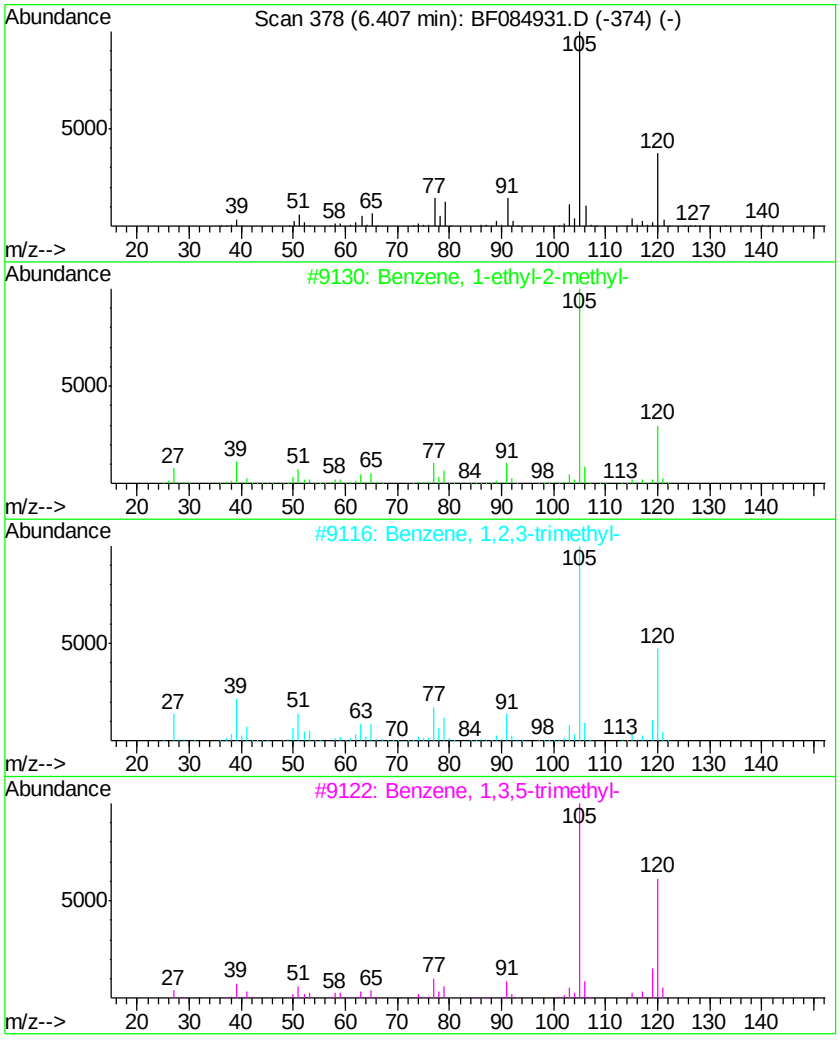
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

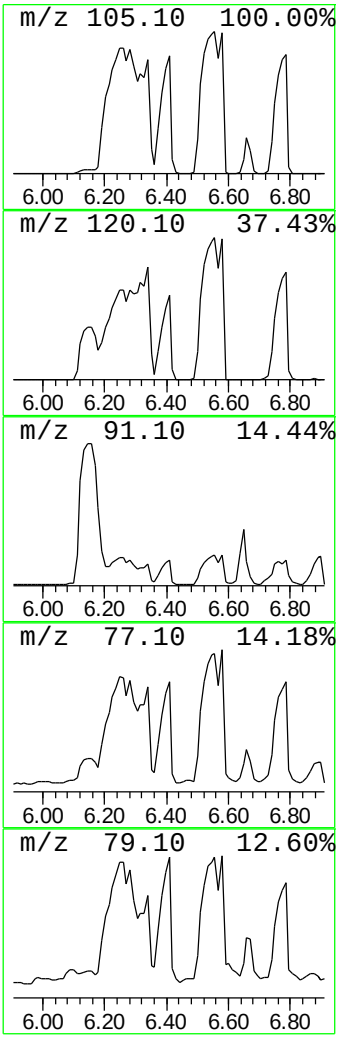
****

Peak Number 13 Benzene, 1-ethyl-2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	30.71 ng	14320000	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

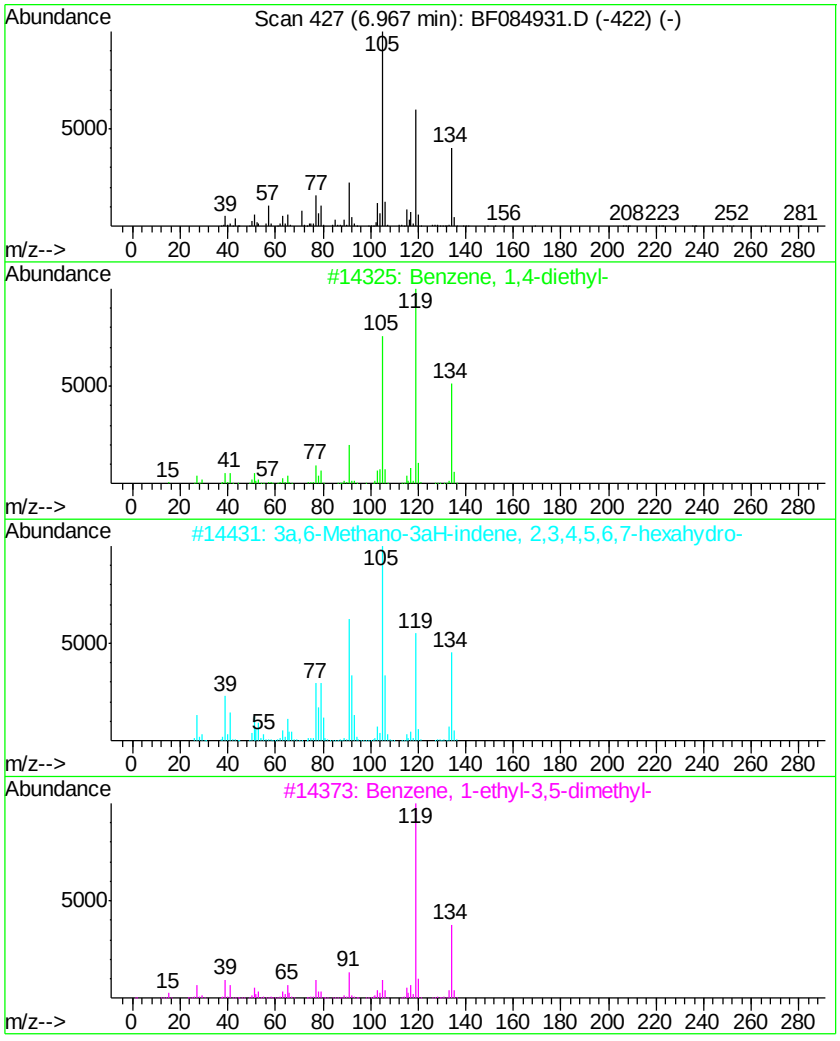
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

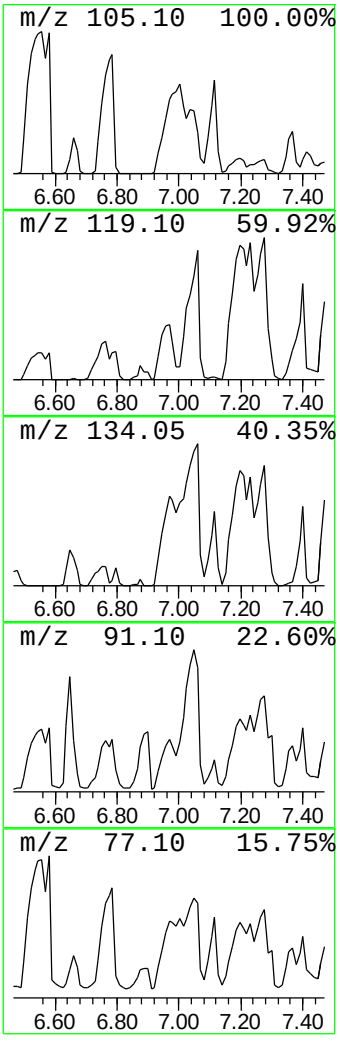
****

Peak Number 16 Benzene, 1,4-diethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.97	52.13 ng	24306000	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	87
2	3a,6-Methano-3aH-indene, 2,3,4,5...	134	C10H14	098640-10-9	86
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	83
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	83
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	83





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

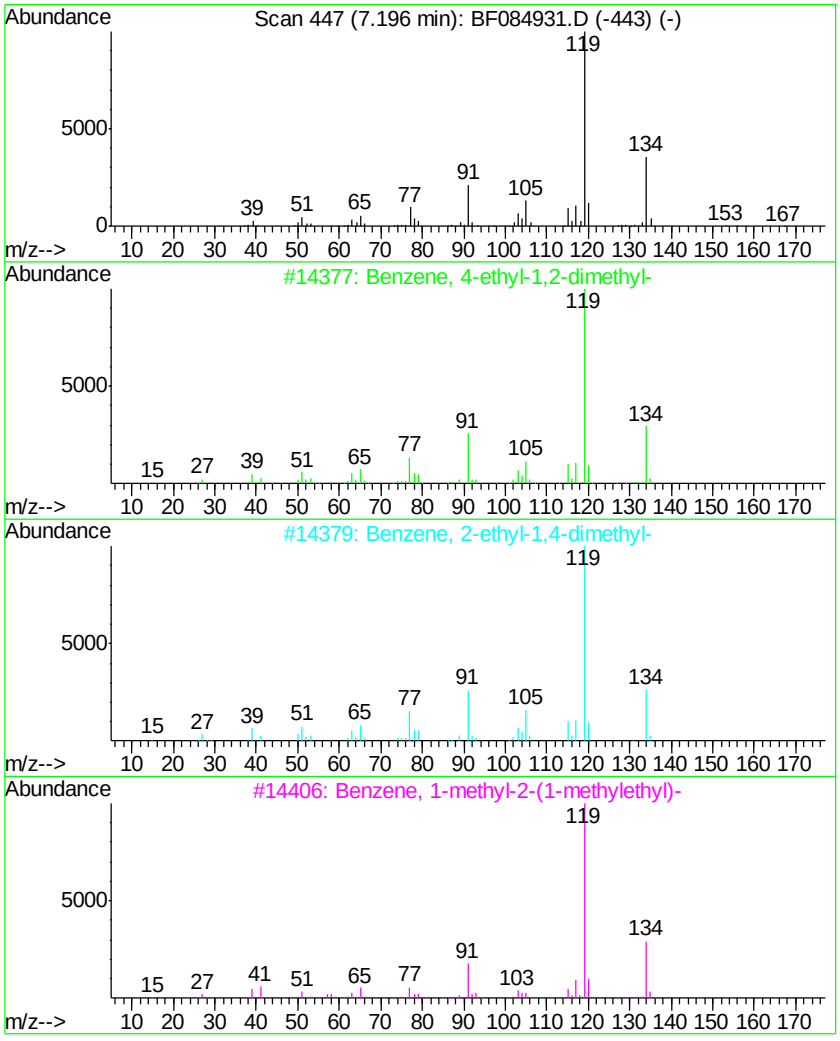
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

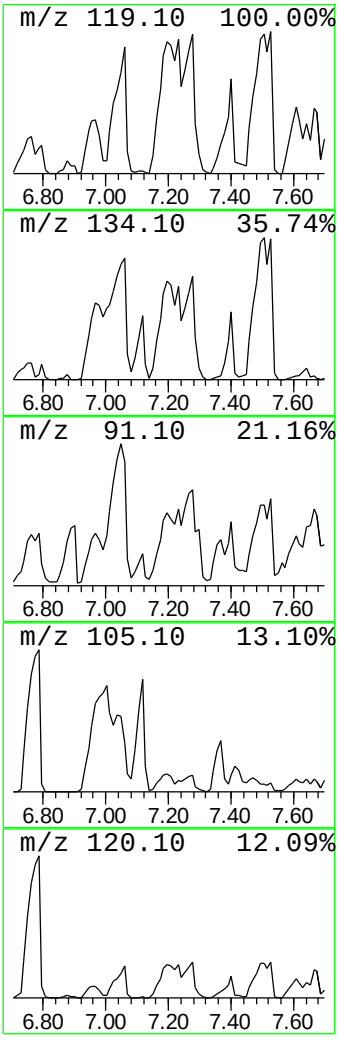
****

Peak Number 17 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	35.92 ng	16745200	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

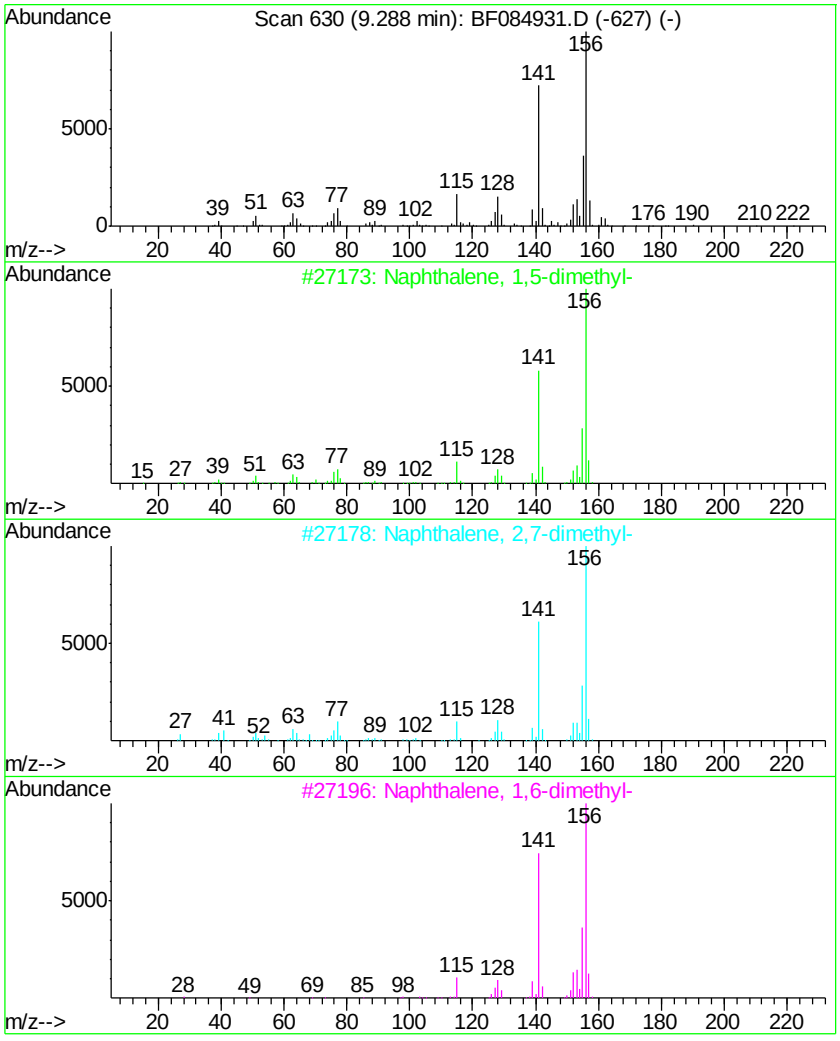
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

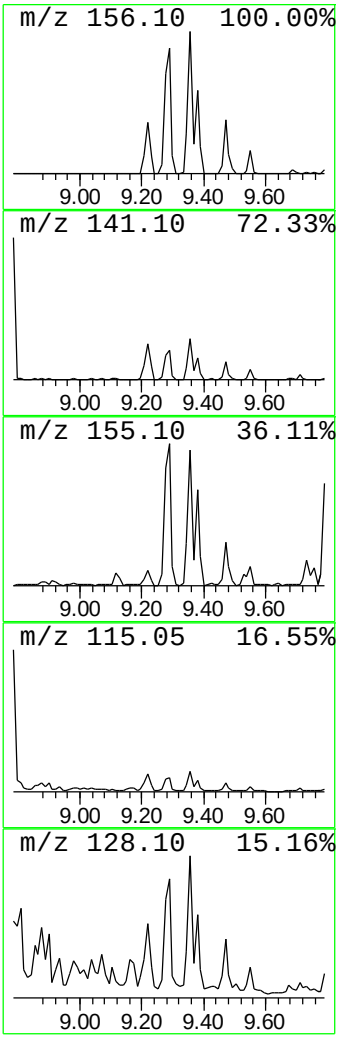
****

Peak Number 18 Naphthalene, 1,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.29	34.61 ng	3318770	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

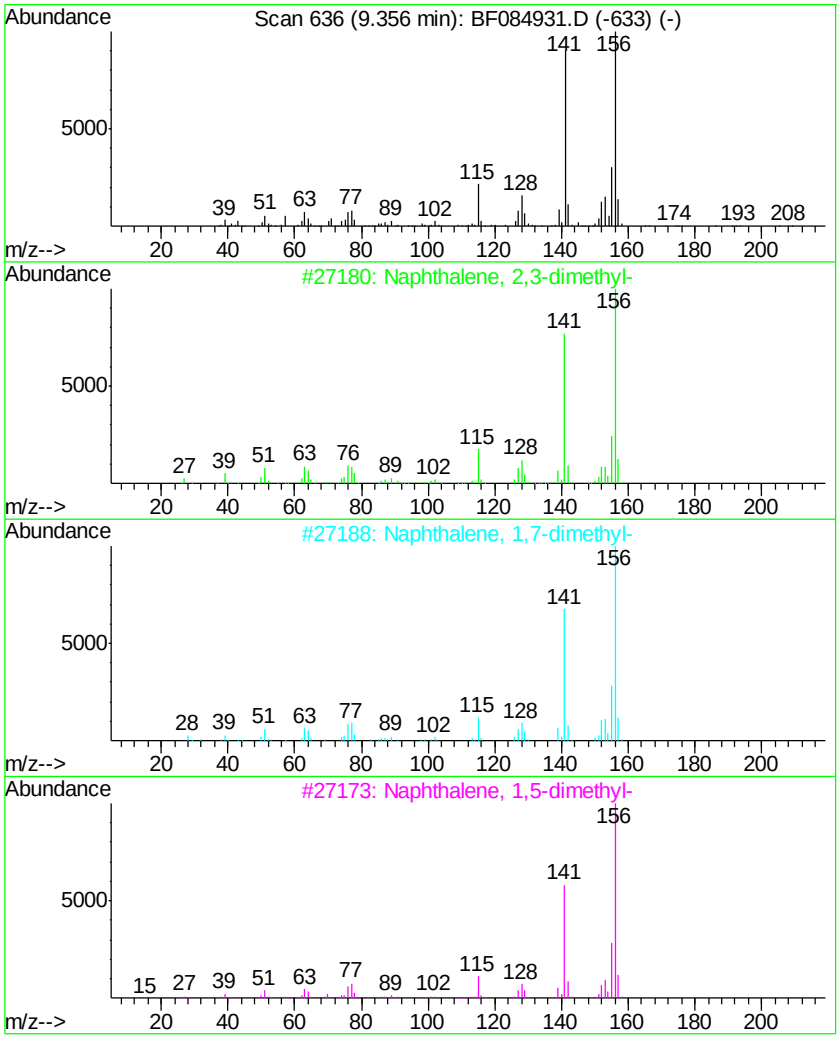
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

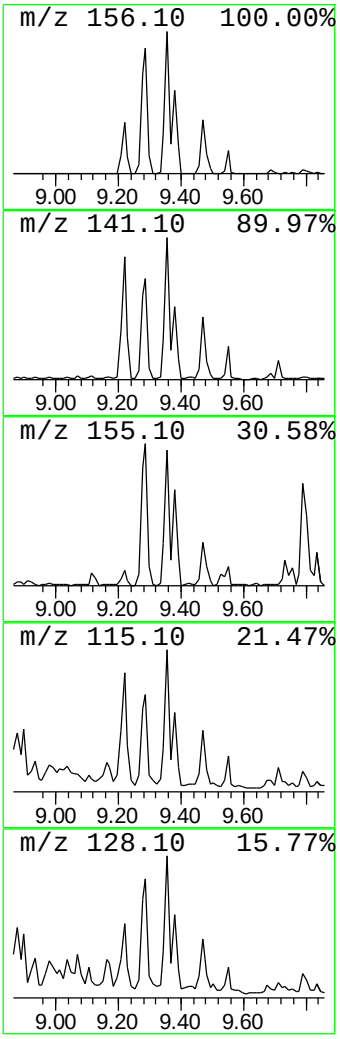
****

Peak Number 19 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	31.35 ng	3006150	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

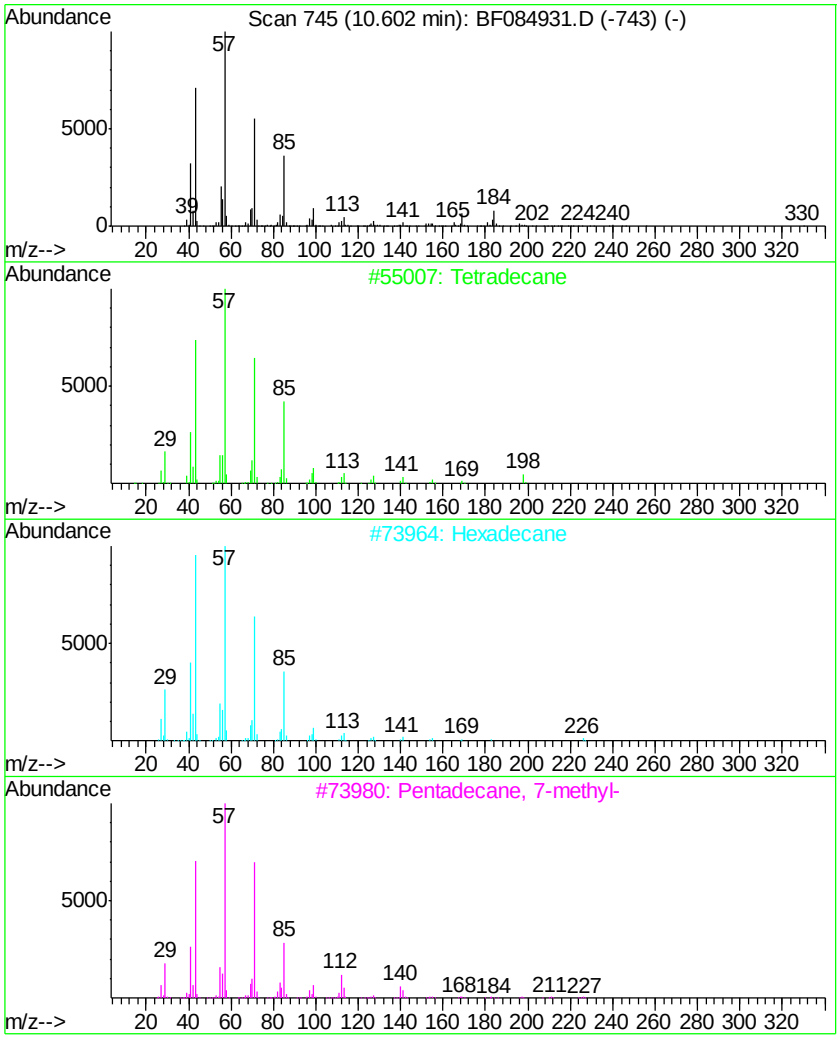
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

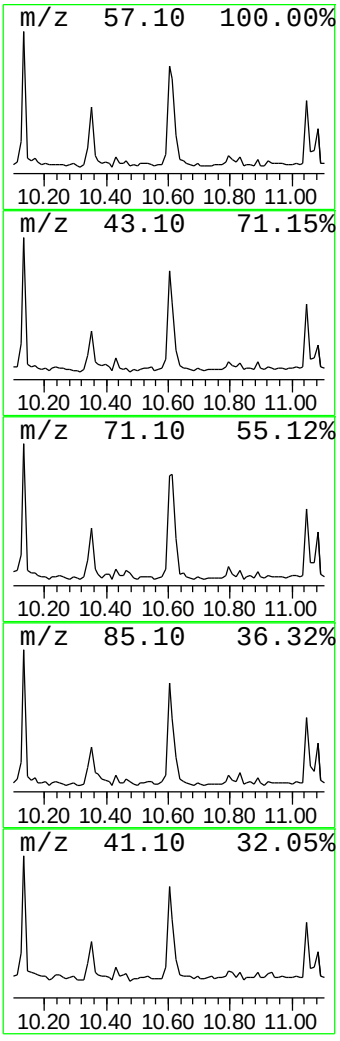
****

Peak Number 20 Tetradecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	32.56 ng	1978340	Phenanthrene-d10	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Hexadecane	226	C16H34	000544-76-3	93
3	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	90
4	Eicosane	282	C20H42	000112-95-8	87
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084931.D
Acq On : 8 Feb 2016 16:27
Operator : SJ/IZ
Sample : H1311-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUP-B008(25-27)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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
Heptane, 2-methyl-	3.40	38.9	ng	18129800	1	6.70	9324920	20.0
Heptane, 3-methyl-	3.60	34.3	ng	15988200	1	6.70	9324920	20.0
Cyclopentene, 1,2...	4.28	26.1	ng	12161300	1	6.70	9324920	20.0
unknown4.74	4.74	41.6	ng	19407200	1	6.70	9324920	20.0
Nonane	5.58	31.9	ng	14886500	1	6.70	9324920	20.0
Cyclohexane, 1-et...	5.68	32.8	ng	15278700	1	6.70	9324920	20.0
Benzene, (1-methy...	5.82	34.4	ng	16020000	1	6.70	9324920	20.0
unknown5.93	5.93	38.1	ng	17780500	1	6.70	9324920	20.0
Benzene, 1-ethyl-...	6.24	124.9	ng	58244800	1	6.70	9324920	20.0
Benzene, 1-ethyl-...	6.41	30.7	ng	14320000	1	6.70	9324920	20.0
Benzene, 1,4-diet...	6.97	52.1	ng	24306000	1	6.70	9324920	20.0
Benzene, 4-ethyl-...	7.20	35.9	ng	16745200	1	6.70	9324920	20.0
Naphthalene, 1,5-...	9.29	34.6	ng	3318770	3	9.69	1918070	20.0
Naphthalene, 2,3-...	9.36	31.4	ng	3006150	3	9.69	1918070	20.0
Tetradecane	10.60	32.6	ng	1978340	4	11.16	1215200	20.0