LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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-BF081715.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	3.975	171	174	177	rBV	66478	98910	2.45%	0.150%
2	4.718	235	239	246	rBV	466373	661743	16.42%	1.003%
3	5.176	276	279	281	rBV	866199	1065592	26.44%	1.615%
4	5.598	310	316	317	rBV	79098	109940	2.73%	0.167%
5	5.747	325	329	332	rBV	154820	169562	4.21%	0.257%
6	6.056	354	356	358	rVB	122964	129979	3.23%	0.197%
7	6.250	370	373	375	rBV	516642	662271	16.43%	1.004%
8	6.376	381	384	386	rBV	1533927	2021508	50.16%	3.064%
9	6.559	396	400	402	rBV2	86688	120767	3.00%	0.183%
10	6.604	402	404	406	rBV	574425	476714	11.83%	0.723%
11	6.764	415	418	419	rBV	2010186	2034133	50.48%	3.084%
12	6.787	419	420	423	rVB	1607709	1334548	33.12%	2.023%
13	6.867	424	427	429	rBV	562459	474067	11.76%	0.719%
14	6.959	431	435	437	rBV2	253935	439773	10.91%	0.667%
15	7.187	449	455	457	rBV2	2106451	4008585	99.48%	6.077%
16	7.267	457	462	463	rVB	125174	129588	3.22%	0.196%
17	7.301	463	465	467	rBV	144967	143732	3.57%	0.218%
18	7.393	469	473	474	rBV	1022924	1043170	25.89%	1.581%
19	7.507	481	483	485	rBV2	146824	189185	4.69%	0.287%
20	7.564	485	488	492	rVB3	565644	1136584	28.21%	1.723%
21	7.644	492	495	496	rBV	2104817	2717656	67.44%	4.120%
22	7.679	496	498	499	rVV	203240	196214	4.87%	0.297%
23	7.724	499	502	505	rVB3	139029	260951	6.48%	0.396%
24	7.770	505	506	508	rVB	178142	175229	4.35%	0.266%
25	7.896	508	517	518	rBV	1222587	2127215	52.79%	3.225%
26	7.919	518	519	520	rVV	806508	686039	17.02%	1.040%
27	7.942	520	521	524	rVV	541936	717215	17.80%	1.087%
28	7.987	524	525	527	rVB	184021	205844	5.11%	0.312%
29	8.033	527	529	530	rBV2	69943	109488	2.72%	0.166%
30	8.056	530	531	532	rVB	191861	131617	3.27%	0.200%
31	8.090	532	534	536	rBV	609151	614245	15.24%	0.931%
32	8.136	536	538	540	rBV	360336	471026	11.69%	0.714%
33	8.170	540	541	545	rVV2	346851	539557	13.39%	0.818%
34	8.284	548	551	553	rVB	771568	760305	18.87%	1.153%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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-BF081715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.364	553	558	559	rBV	771096	807261	20.03%	1.224%
36	8.399	559	561	563	rVV	675565	703430	17.46%	1.066%
37	8.456	563	566	567	rVV2	236698	334040	8.29%	0.506%
38	8.490	567	569	571	rVV2	306936	508836	12.63%	0.771%
39	8.559	571	575	576	rVV2	1233280	1417737	35.18%	2.149%
40	8.604	576	579	581	rVV2	808386	843548	20.93%	1.279%
41	8.707	585	588	590	rVV	2770711	4029718	100.00%	6.109%
42	8.742	590	591	593	rVV	244819	321153	7.97%	0.487%
43	8.799	593	596	598	rVV3	133674	297914	7.39%	0.452%
44	8.833	598	599	603	rVV4	197865	465147	11.54%	0.705%
45	8.902	603	605	606	rVV2	135982	185676	4.61%	0.281%
46	8.936	606	608	609	rVV2	215248	244095	6.06%	0.370%
47	8.970	609	611	613	rVV	2040194	2765827	68.64%	4.193%
48	9.073	617	620	621	rBV	110599	182701	4.53%	0.277%
49	9.119	622	624	625	rVV	424534	455892	11.31%	0.691%
50	9.176	625	629	630	rVV	508624	890173	22.09%	1.349%
51	9.233	630	634	636	rVV	868913	1269458	31.50%	1.924%
52	9.313	636	641	645	rVV2	1600294	3665977	90.97%	5.557%
53	9.370	645	646	648	rVV2	124898	163017	4.05%	0.247%
54	9.416	648	650	653	rVV2	765991	1289760	32.01%	1.955%
55	9.496	655	657	660	rBV	632379	835750	20.74%	1.267%
56	9.633	667	669	671	rBV2	683990	924573	22.94%	1.402%
57	9.667	671	672	676	rVV3	435896	587593	14.58%	0.891%
58	9.747	676	679	681	rVV	406941	613984	15.24%	0.931%
59	9.793	681	683	685	rVV2	287510	403594	10.02%	0.612%
60	9.839	685	687	689	rVV	607058	704314	17.48%	1.068%
61	9.885	689	691	692	rVV	525407	469135	11.64%	0.711%
62	9.919	692	694	695	rVV	58005	103482	2.57%	0.157%
63	9.953	695	697	699	rVV2	487642	648060	16.08%	0.982%
64	10.045	702	705	706	rVV	276064	518295	12.86%	0.786%
65	10.136	710	713	715	rBV3	161638	336560	8.35%	0.510%
66	10.182	715	717	718	rVV	610673	564557	14.01%	0.856%
67	10.205	718	719	720	rVV	131778	151664	3.76%	0.230%
68	10.250	720	723	726	rVV	682822	1036014	25.71%	1.570%
69	10.296	726	727	729	rVV2	113038	175665	4.36%	0.266%
70	10.342	729	731	733	rVV2	119630	198737	4.93%	0.301%
71	10.388	733	735	736	rVV	215791	293997	7.30%	0.446%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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-BF081715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.422	736	738	740	rVV2	1360831	1768036	43.87%	2.680%
73	10.468	740	742	745	rVV4	106269	227142	5.64%	0.344%
74	10.548	747	749	752	rVB3	136720	182901	4.54%	0.277%
75	10.719	760	764	766	rBV2	157547	319056	7.92%	0.484%
76	10.753	766	767	771	rVV	355765	386719	9.60%	0.586%
77	10.833	771	774	775	rVV3	56172	125204	3.11%	0.190%
78	11.005	787	789	790	rVB	111866	94774	2.35%	0.144%
79	11.073	793	795	796	rBV	95180	140418	3.48%	0.213%
80	11.108	796	798	799	rBV	647336	524167	13.01%	0.795%
81	11.222	806	808	809	rBV	133324	102099	2.53%	0.155%
82	11.256	809	811	815	rVB4	85454	147701	3.67%	0.224%
83	11.439	824	827	828	rBV2	70525	116148	2.88%	0.176%
84	11.611	839	842	843	rBV	121690	150711	3.74%	0.228%
85	11.633	843	844	846	rVB2	224381	213635	5.30%	0.324%
86	11.679	846	848	850	rBV2	333288	424130	10.53%	0.643%
87	11.713	850	851	856	rVB2	118850	190579	4.73%	0.289%
88	11.816	859	860	863	rVV2	97459	98630	2.45%	0.150%
89	11.873	863	865	869	rVB2	77299	121299	3.01%	0.184%
90	12.079	879	883	884	rBV3	79870	154503	3.83%	0.234%
91	12.148	887	889	891	rBV2	138430	213615	5.30%	0.324%
92	12.296	900	902	905	rVB3	65040	115684	2.87%	0.175%
93	12.365	905	908	913	rBV4	57525	138481	3.44%	0.210%
94	12.445	913	915	918	rBV	263380	326435	8.10%	0.495%
95	12.536	922	923	925	rVB	174209	126152	3.13%	0.191%
96	12.696	934	937	940	rBV	2121329	2618178	64.97%	3.969%
97	13.234	982	984	986	rBV2	118401	131787	3.27%	0.200%
98	13.279	986	988	992	rVB2	70620	99437	2.47%	0.151%
99	13.725	1025	1027	1030	rBV	719328	655919	16.28%	0.994%
100	15.074	1142	1145	1147	rBV	375772	484058	12.01%	0.734%

Sum of corrected areas: 65967884

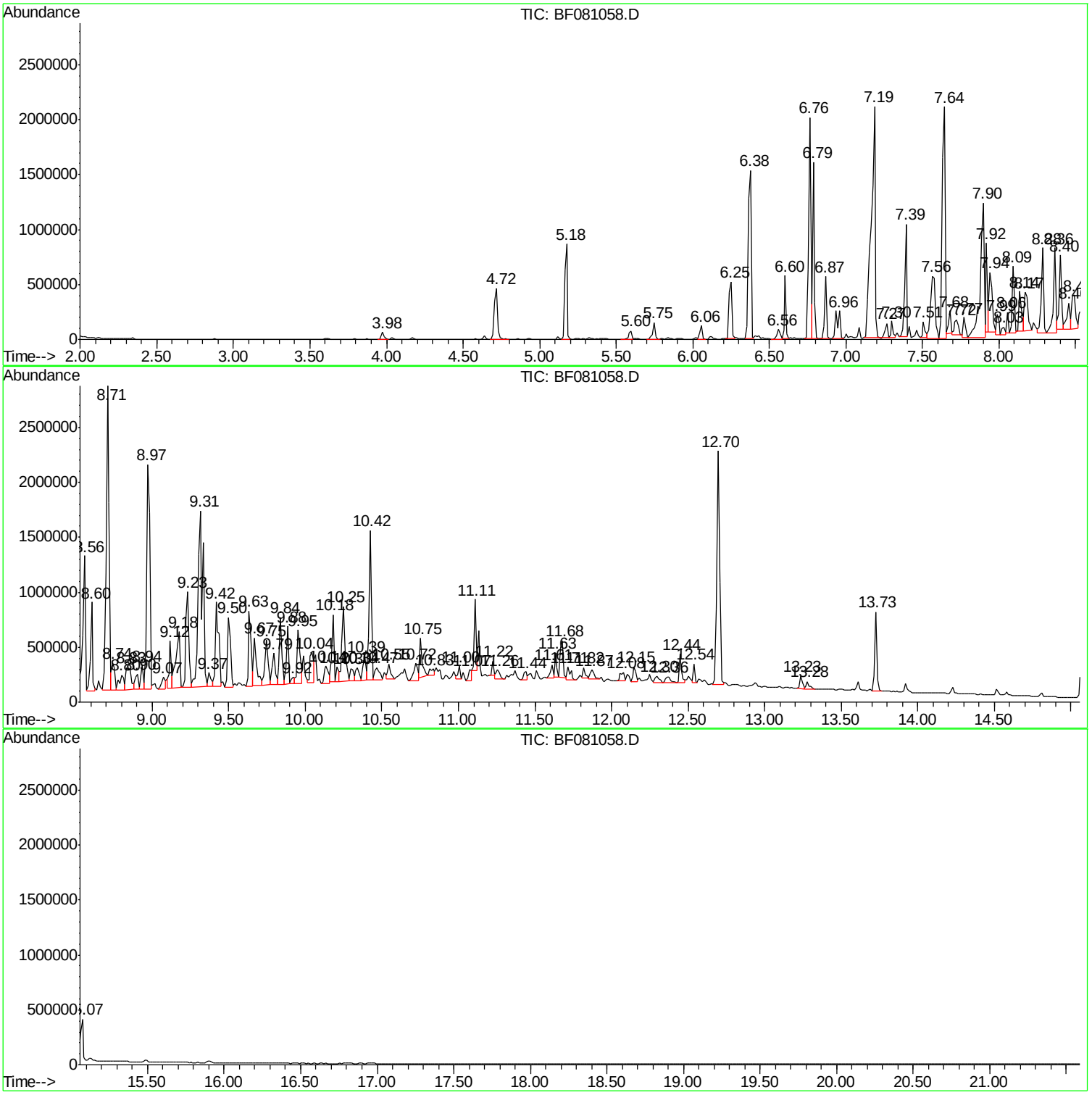
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

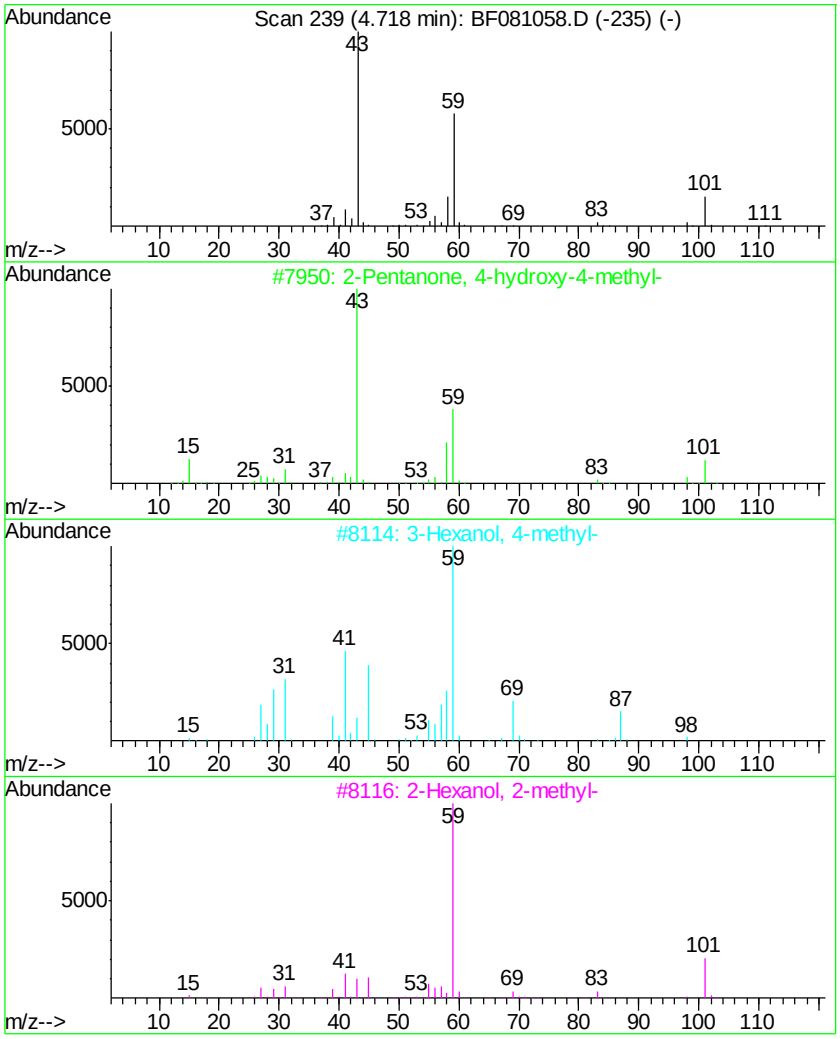
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

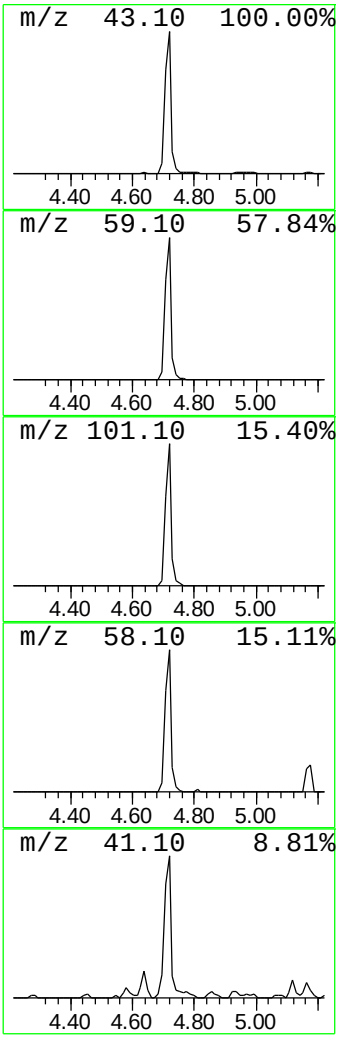
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.72	27.76 ng	661743	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

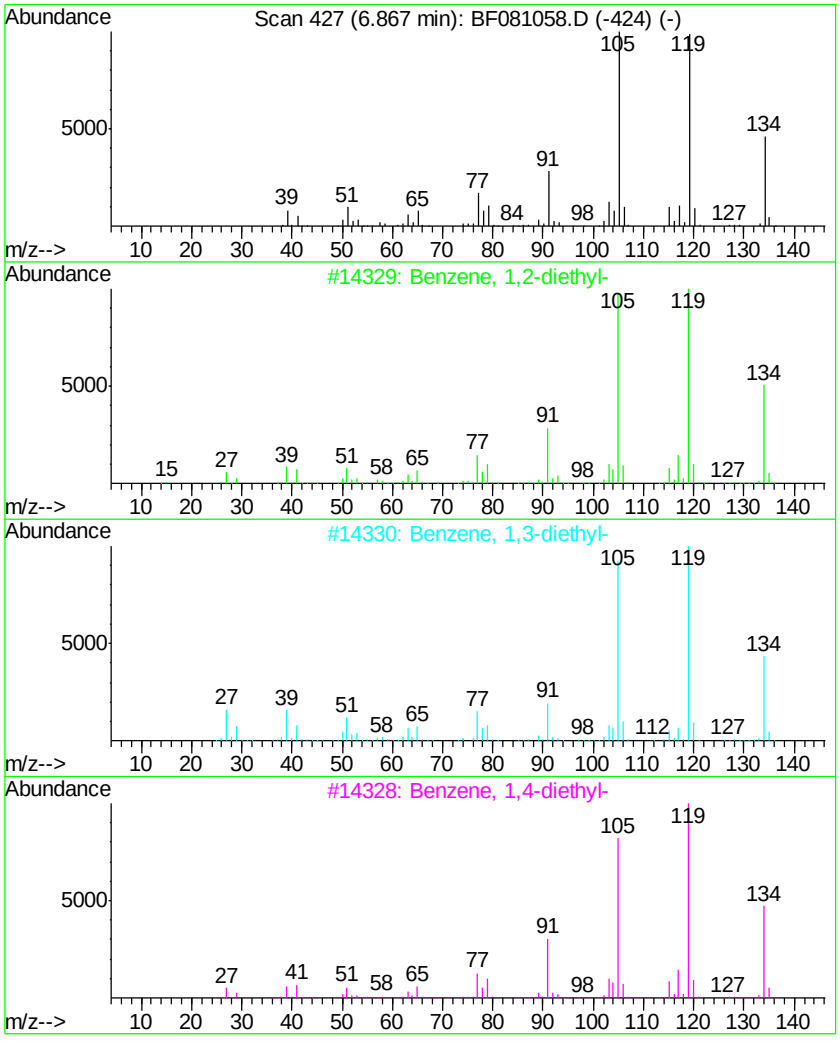
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

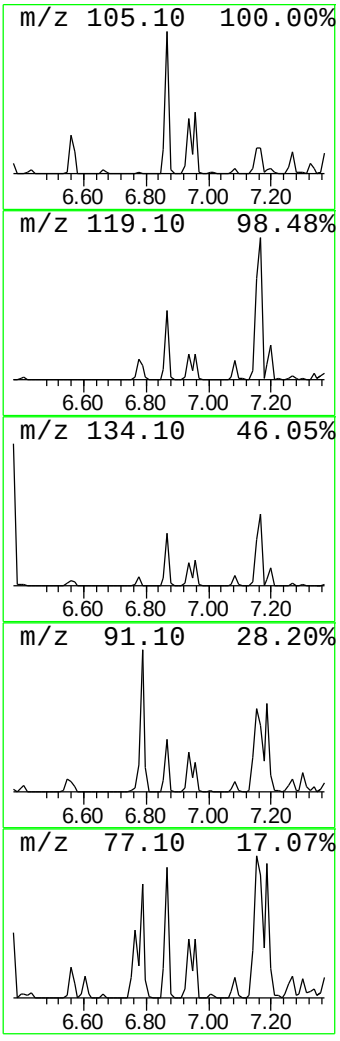
****

Peak Number 3 Benzene, 1,2-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	19.89 ng	474067	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

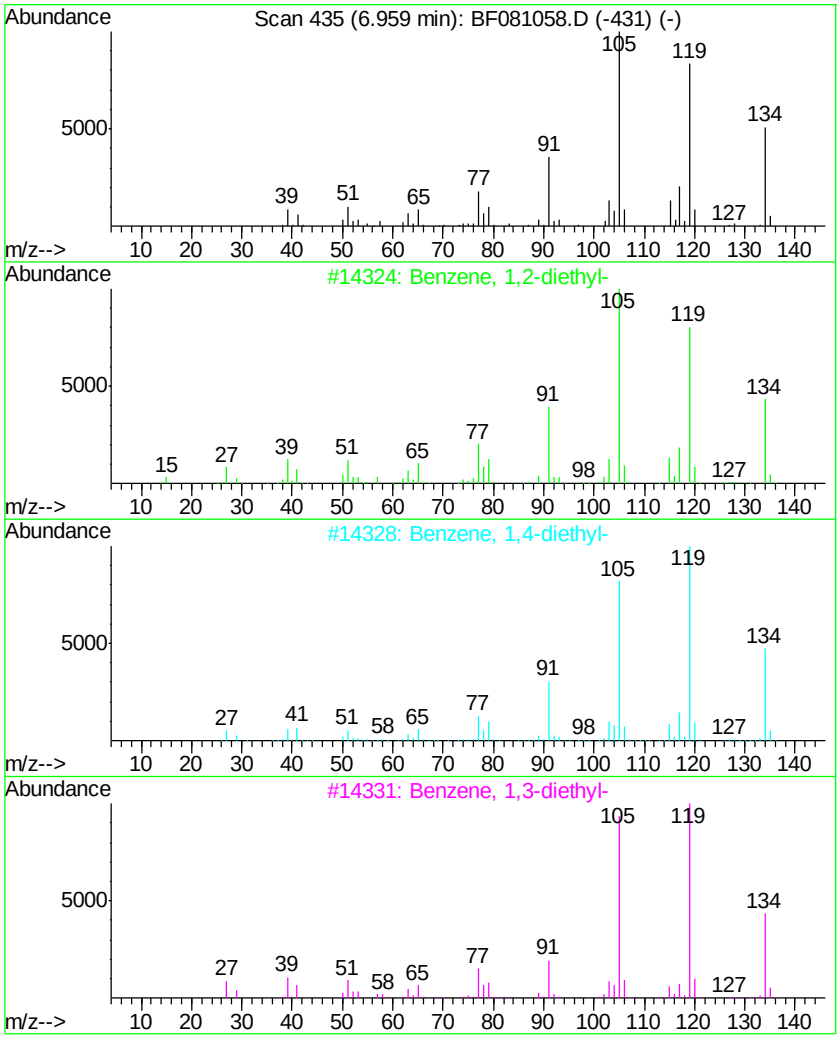
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

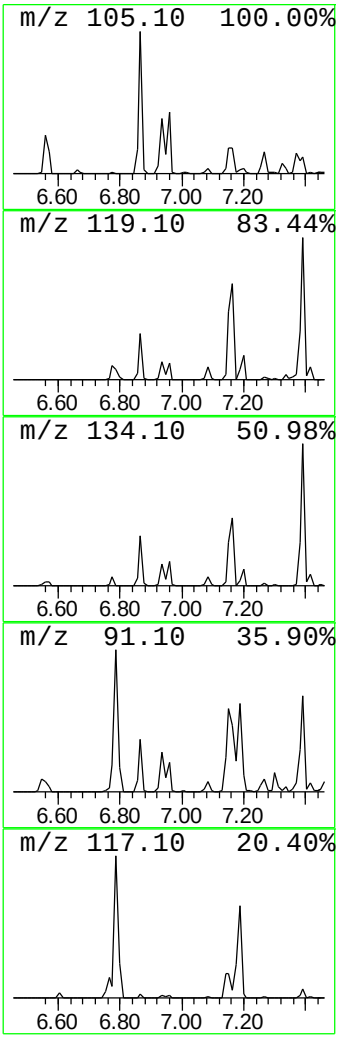
****

Peak Number 4 Benzene, 1,4-diethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	18.45 ng	439773	1,4-Dichlorobenzene-d4	6.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	97
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	83
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	72





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

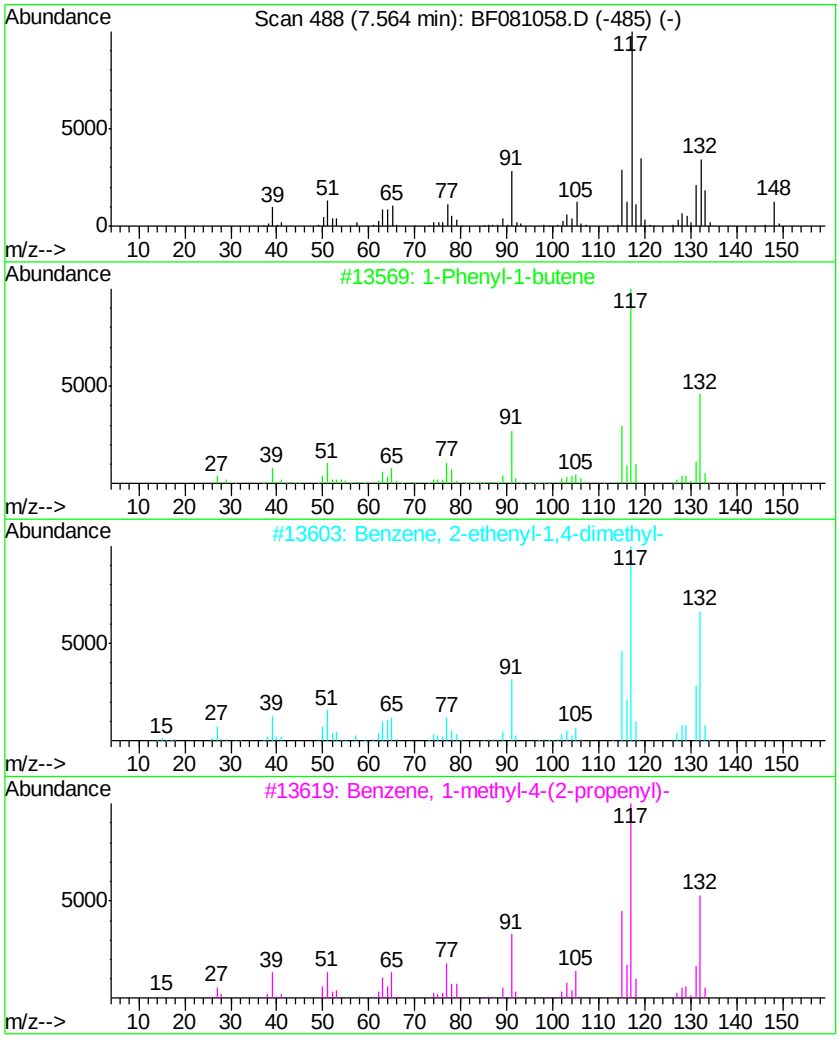
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

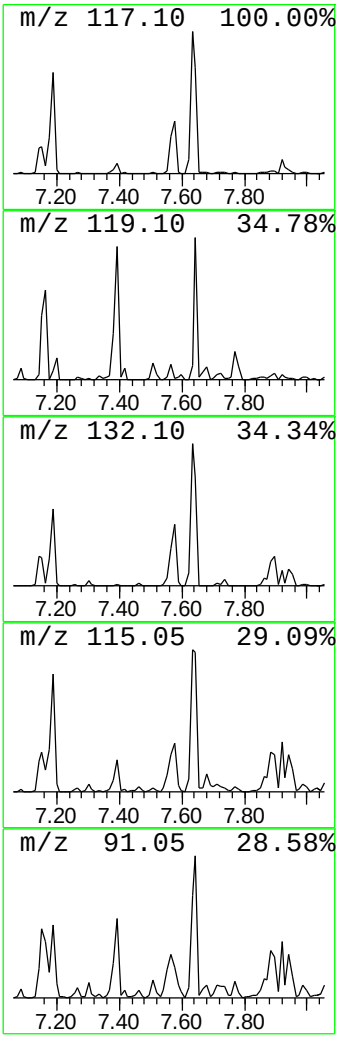
****

Peak Number 5 1-Phenyl-1-butene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	10.69 ng	1136580	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	87
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

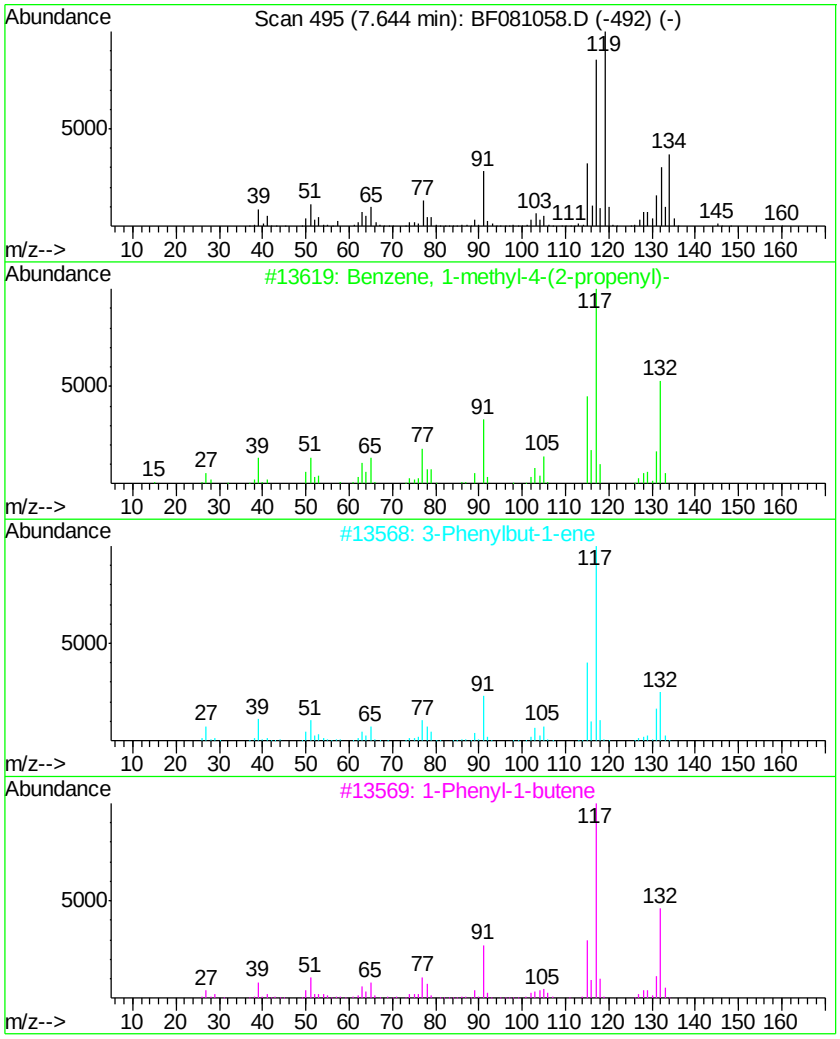
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

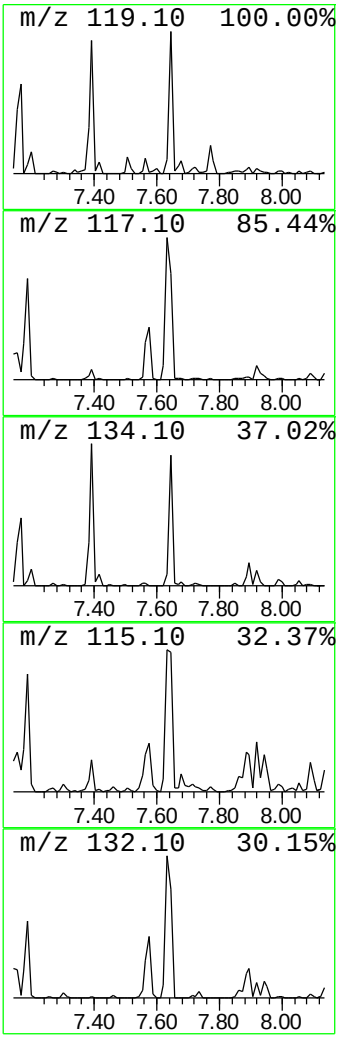
****

Peak Number 6 Benzene, 1-methyl-4-(2-prop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	25.55 ng	2717660	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	55
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	55
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	55





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

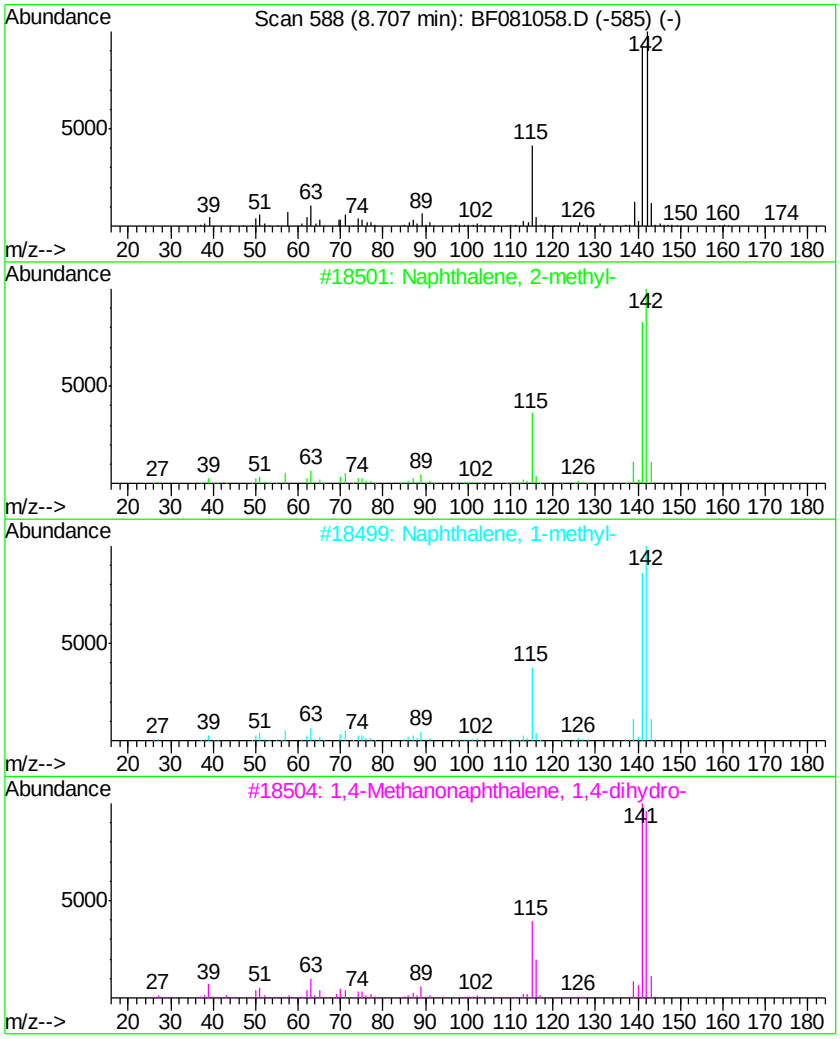
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

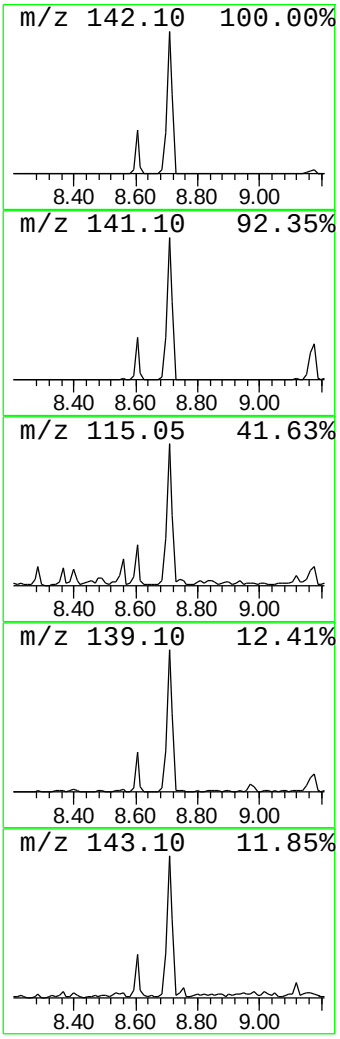
****

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	37.89 ng	4029720	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	94





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

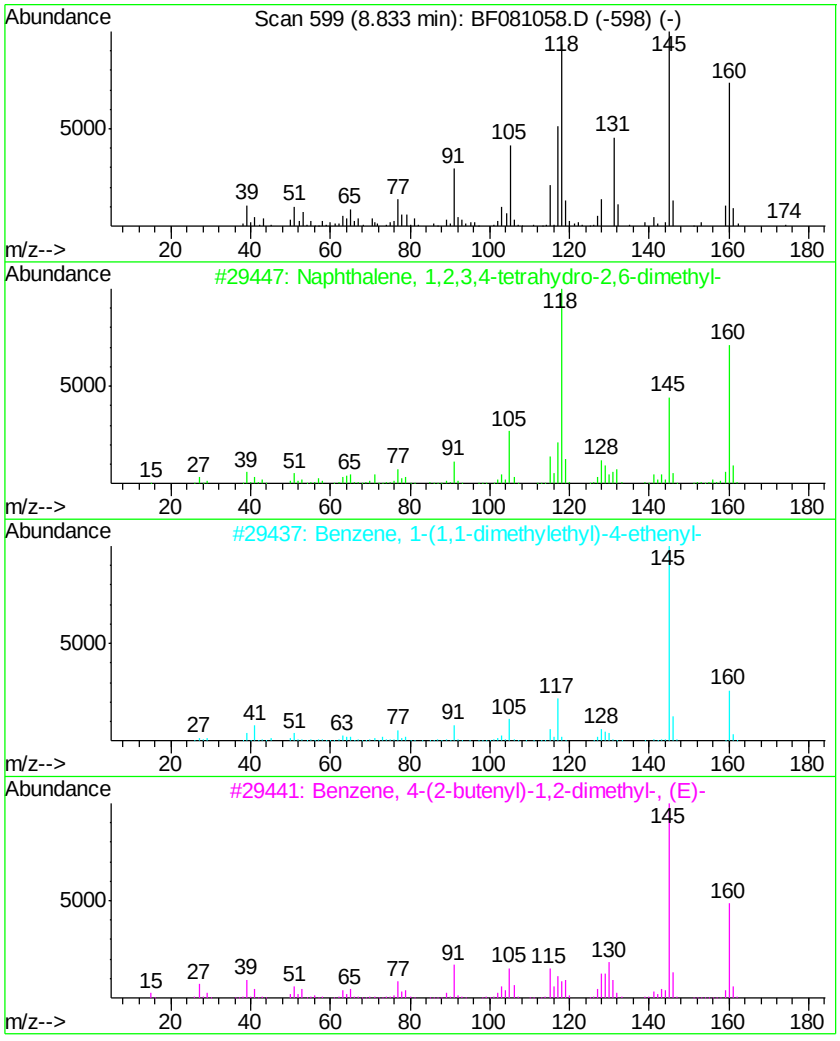
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

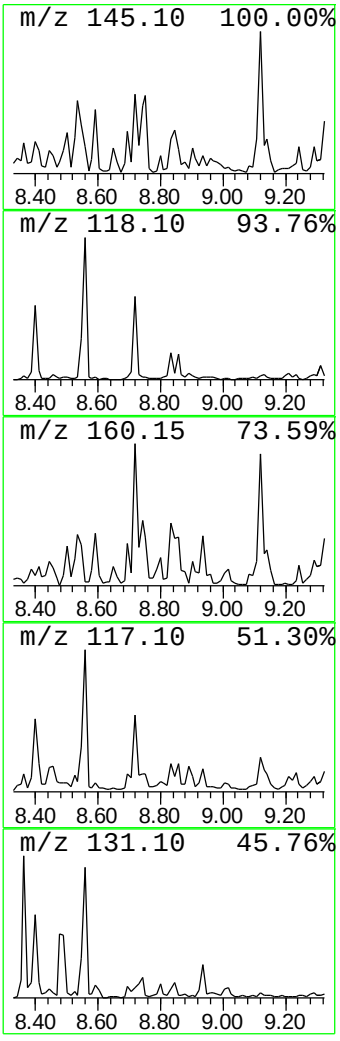
****

Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	10.06 ng	465147	Acenaphthene-d10	9.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	62
2	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	60
3	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	58
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	58
5	1H-Pyrrolo[2,3-b]pyridine, 2-(1-...	160	C10H12N2	027257-18-7	52





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

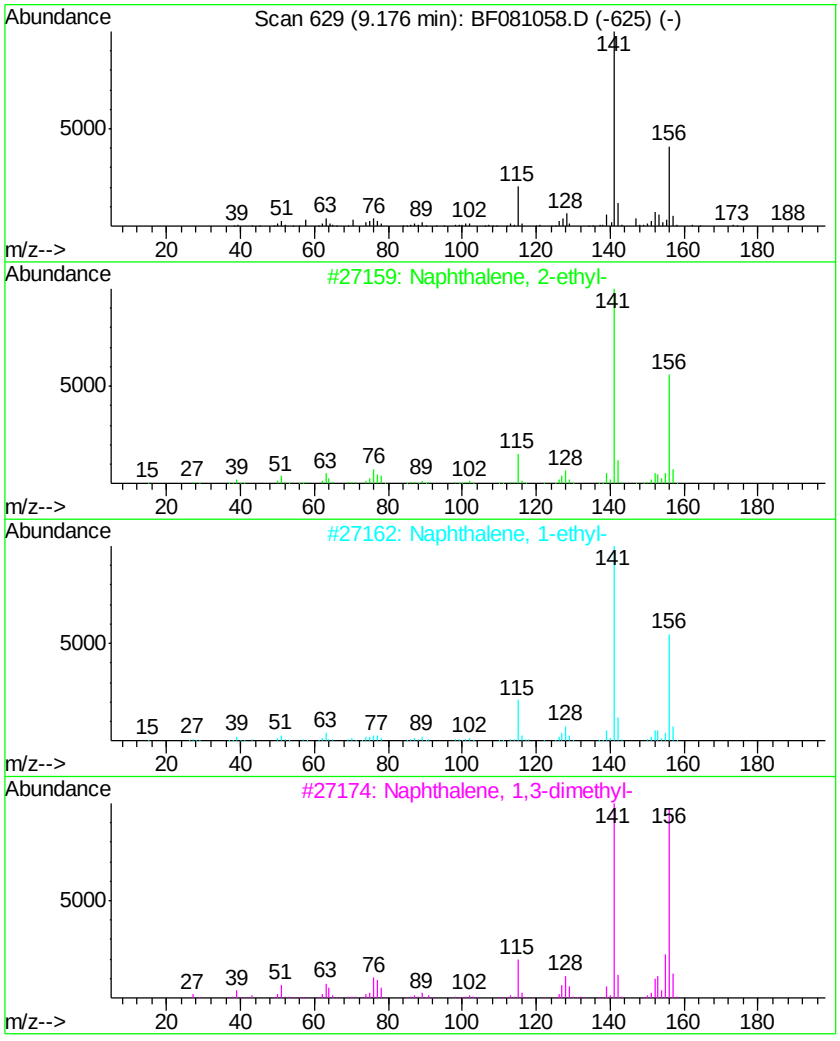
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

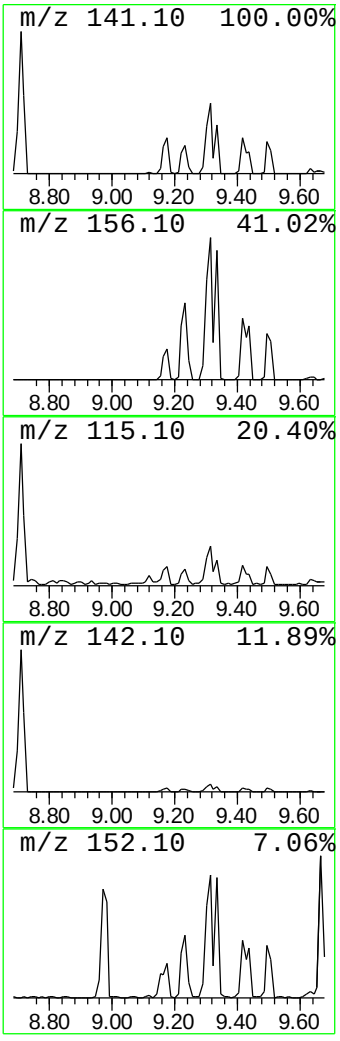
****

Peak Number 9 Naphthalene, 2-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	19.26 ng	890173	Acenaphthene-d10	9.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	87
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	86
5	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

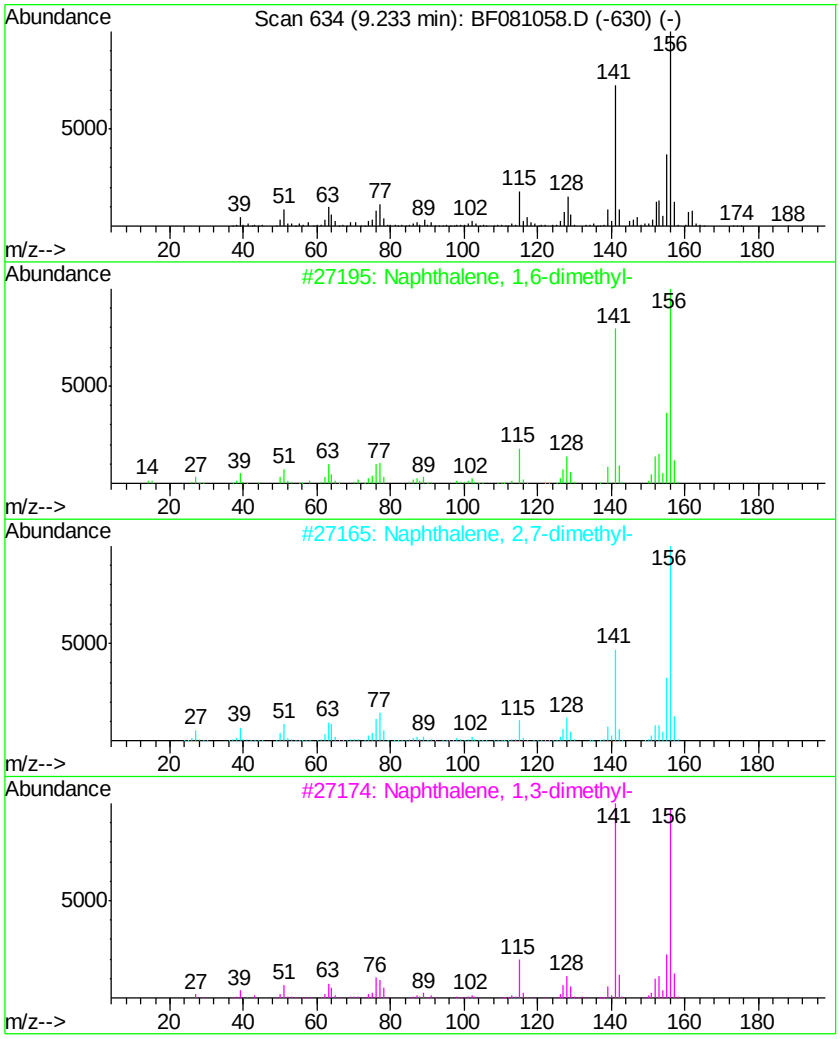
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

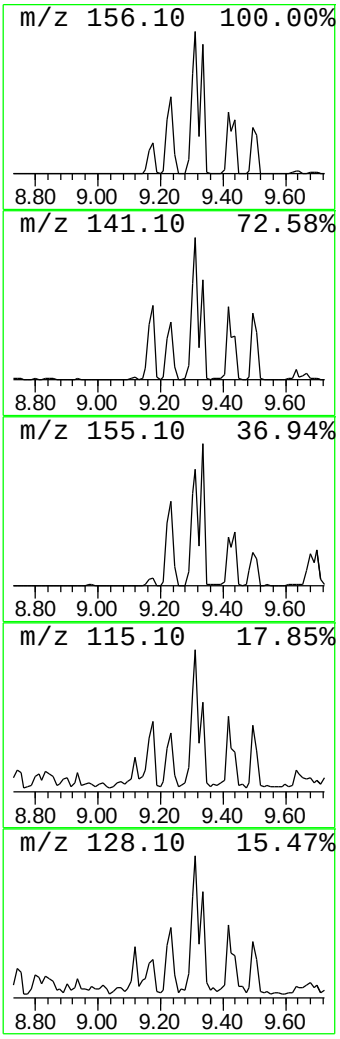
****

Peak Number 10 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	27.46 ng	1269460	Acenaphthene-d10	9.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

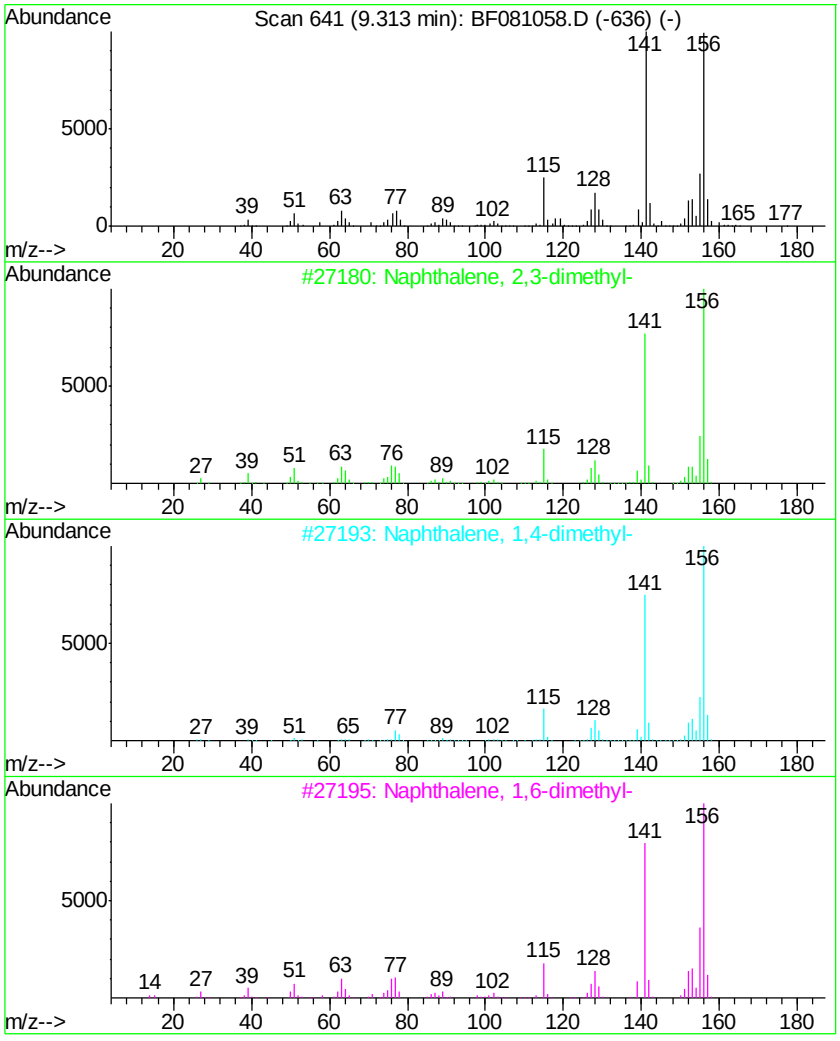
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

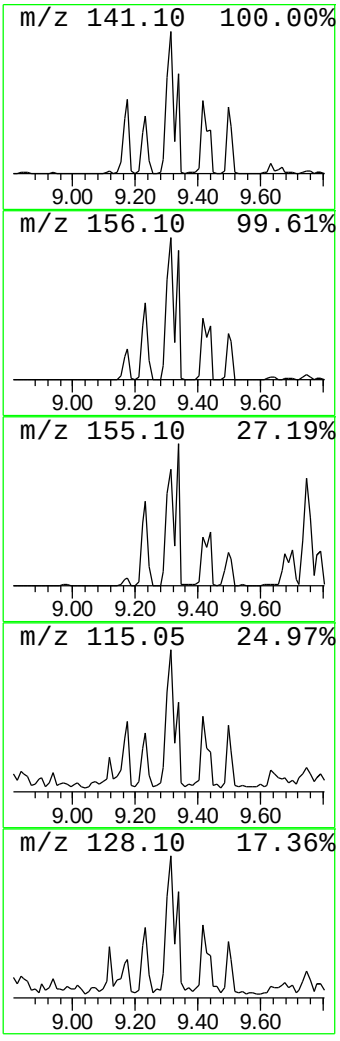
****

Peak Number 11 Naphthalene, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.31	79.30 ng	3665980	Acenaphthene-d10	9.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

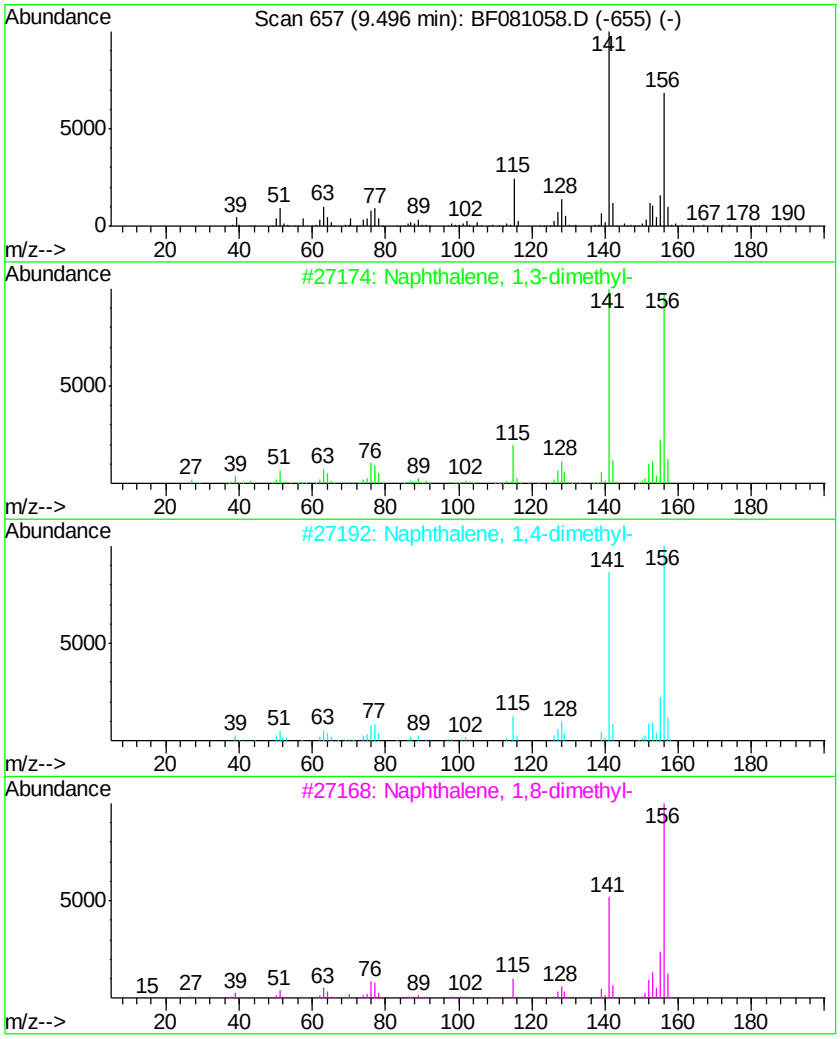
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

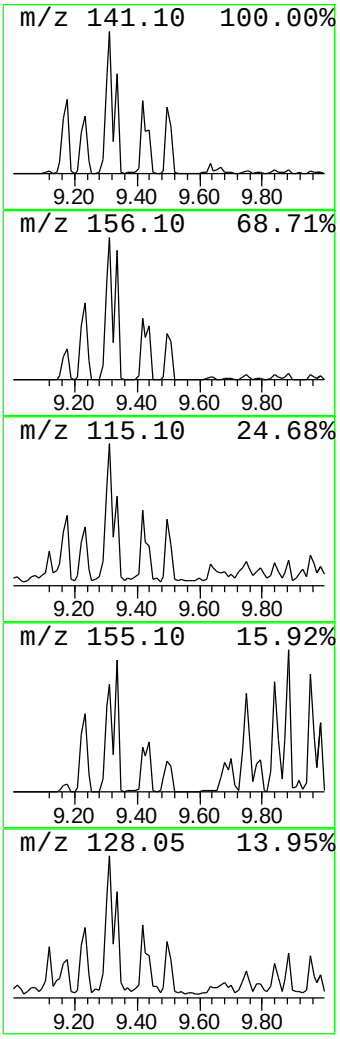
****

Peak Number 12 Naphthalene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	18.08 ng	835750	Acenaphthene-d10	9.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

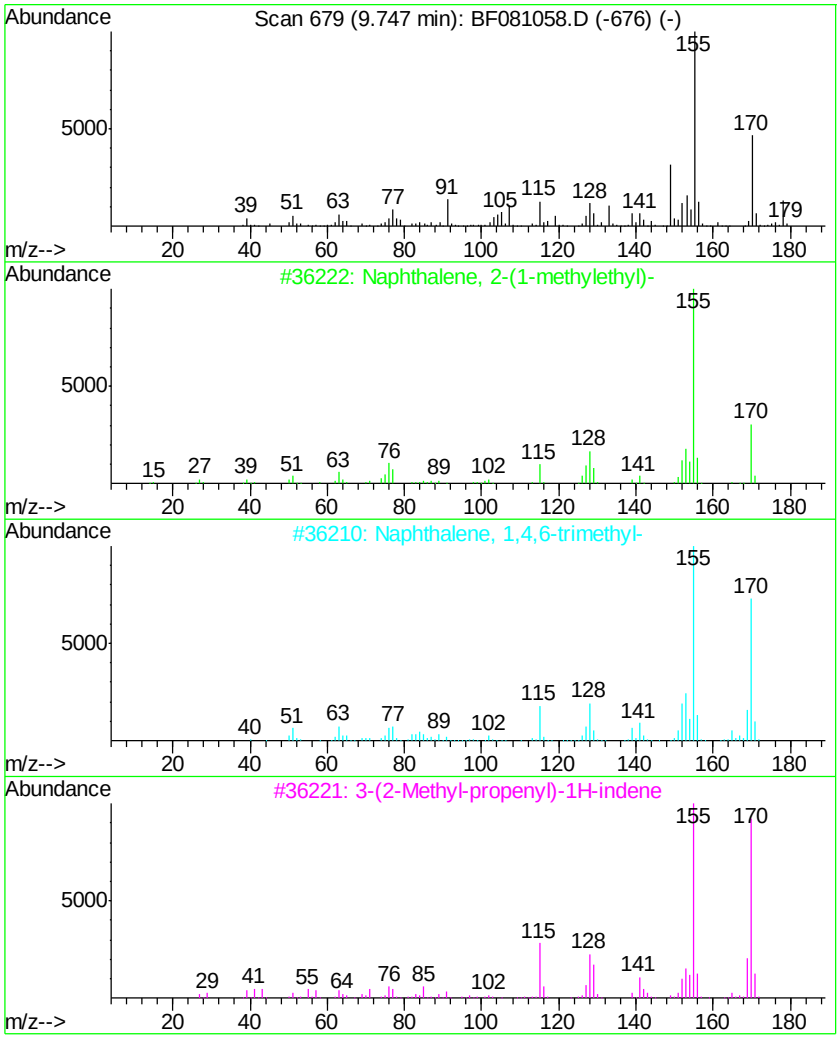
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

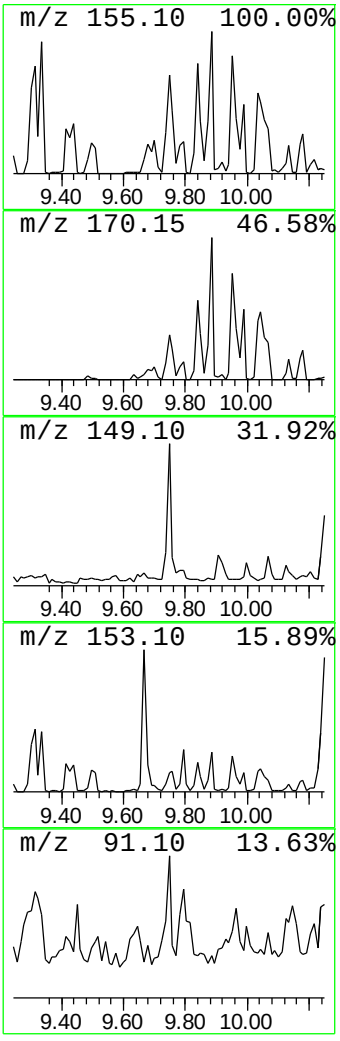
****

Peak Number 13 Naphthalene, 2-(1-methyleth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	13.28 ng	613984	Acenaphthene-d10	9.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	94
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	87
3	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	70
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	64
5	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	58





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

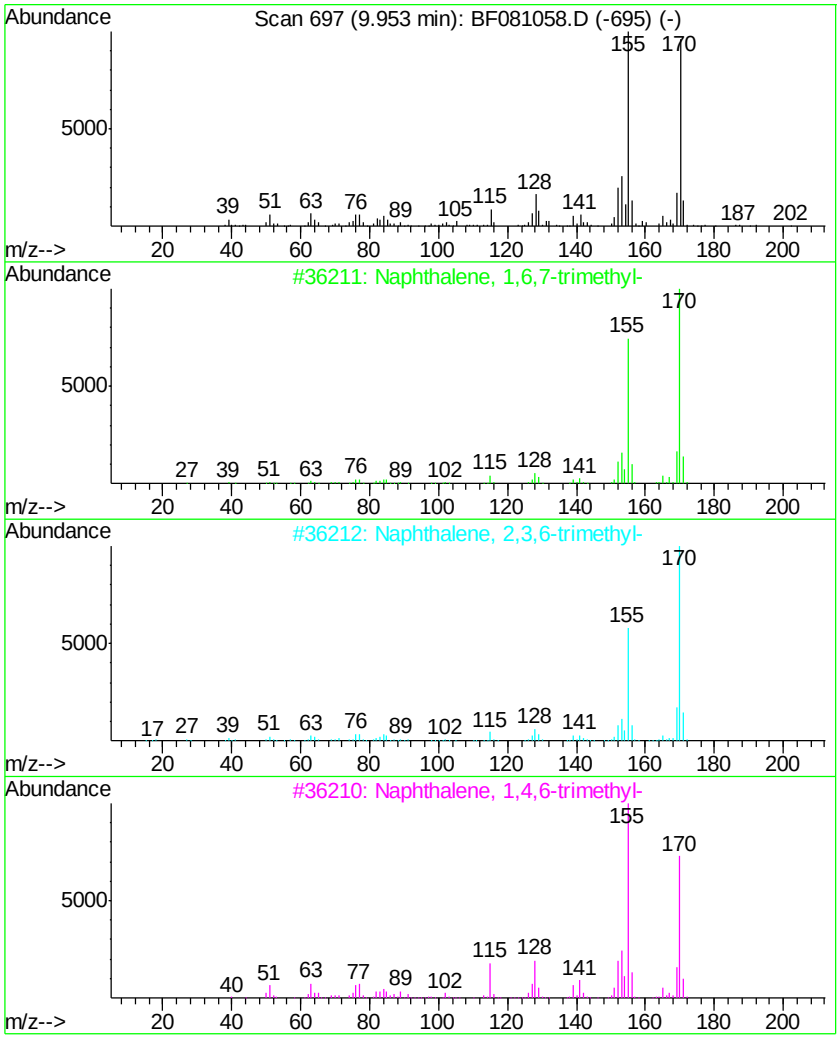
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

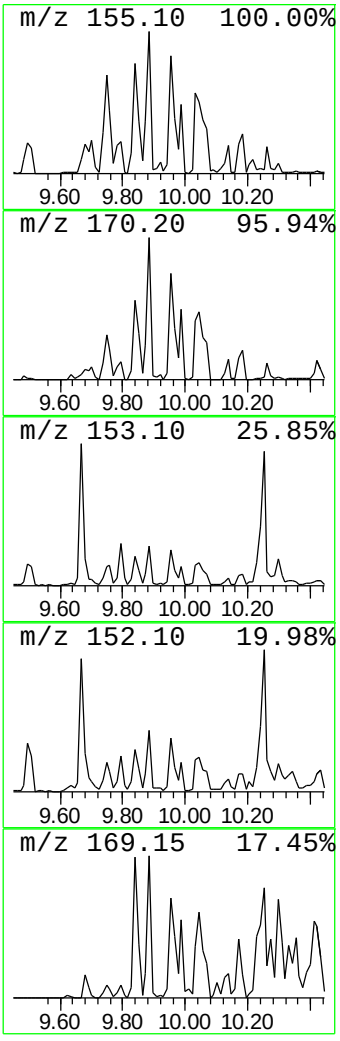
****

Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	14.02 ng	648060	Acenaphthene-d10	9.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	86





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

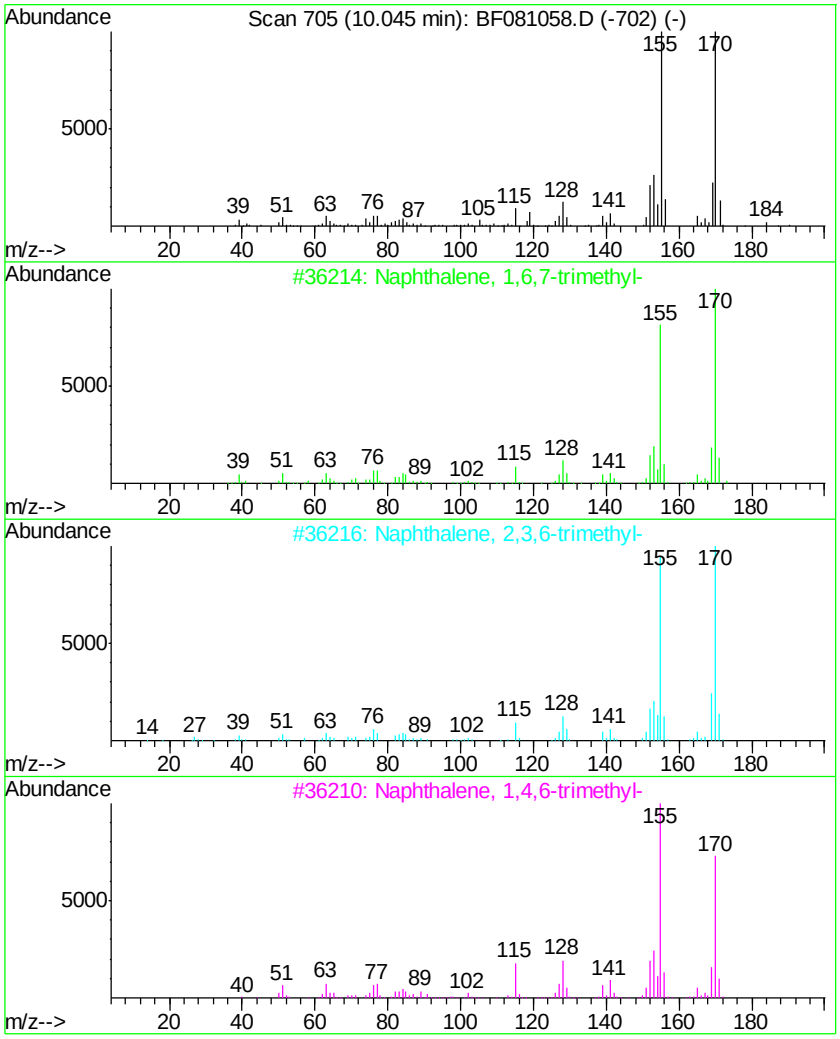
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

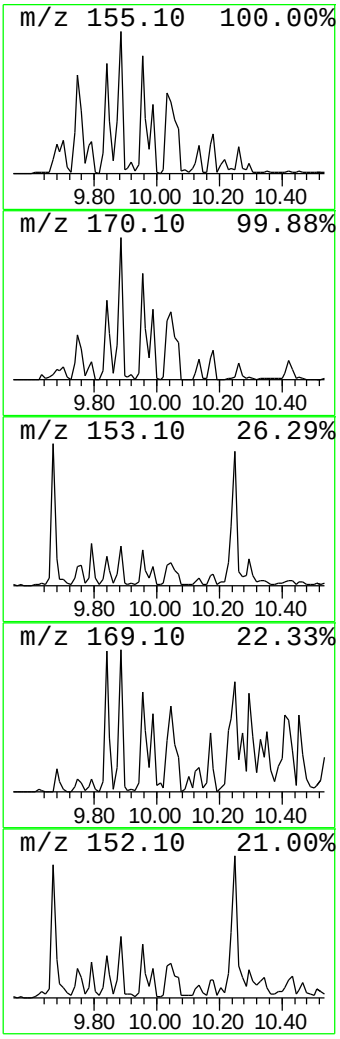
****

Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	11.21 ng	518295	Acenaphthene-d10	9.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

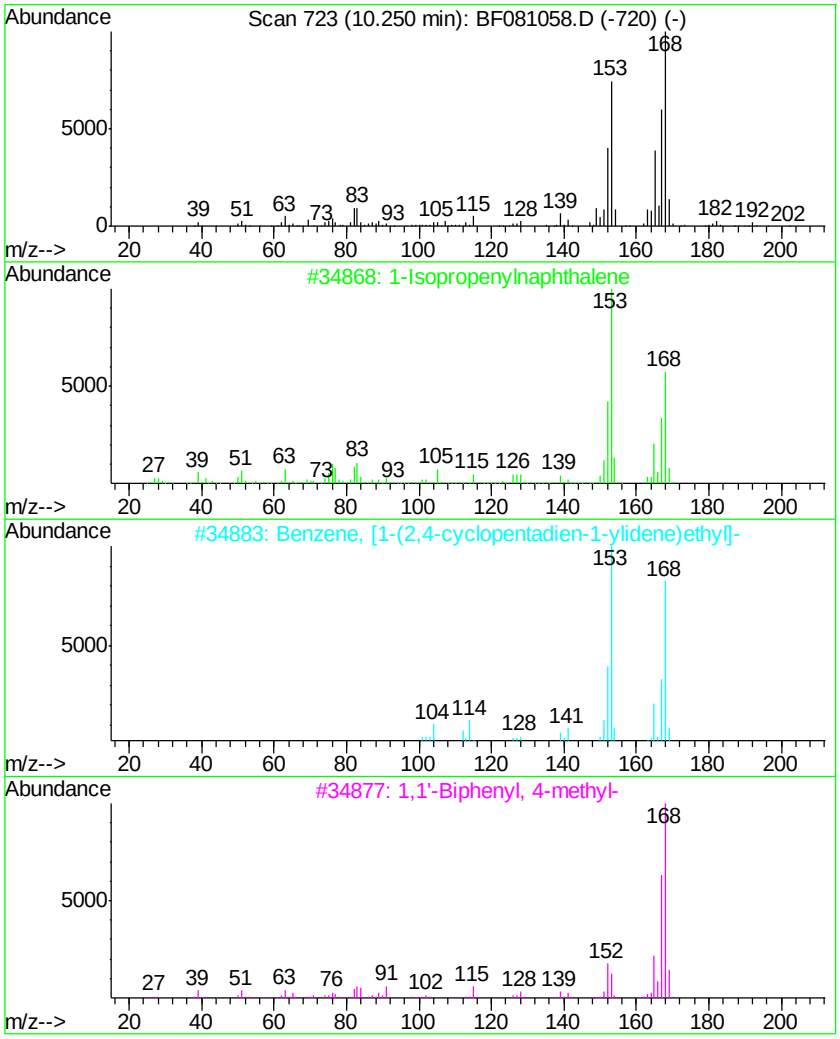
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

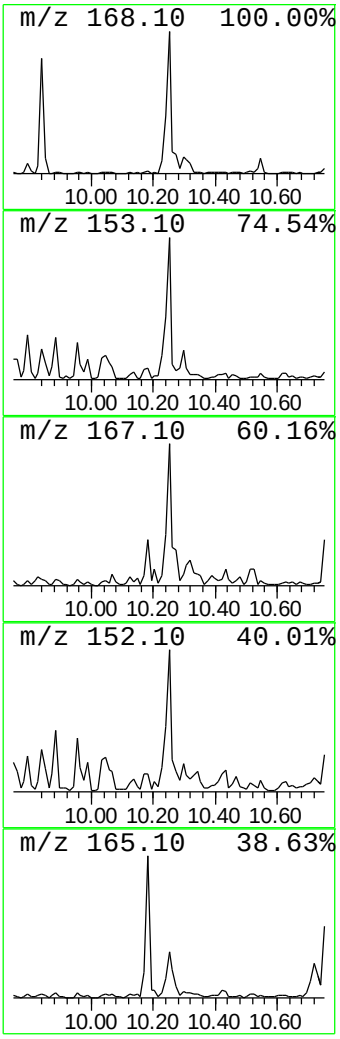
****

Peak Number 16 1-Isopropenylnaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	22.41 ng	1036010	Acenaphthene-d10	9.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	81
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	59
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	58
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	52
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

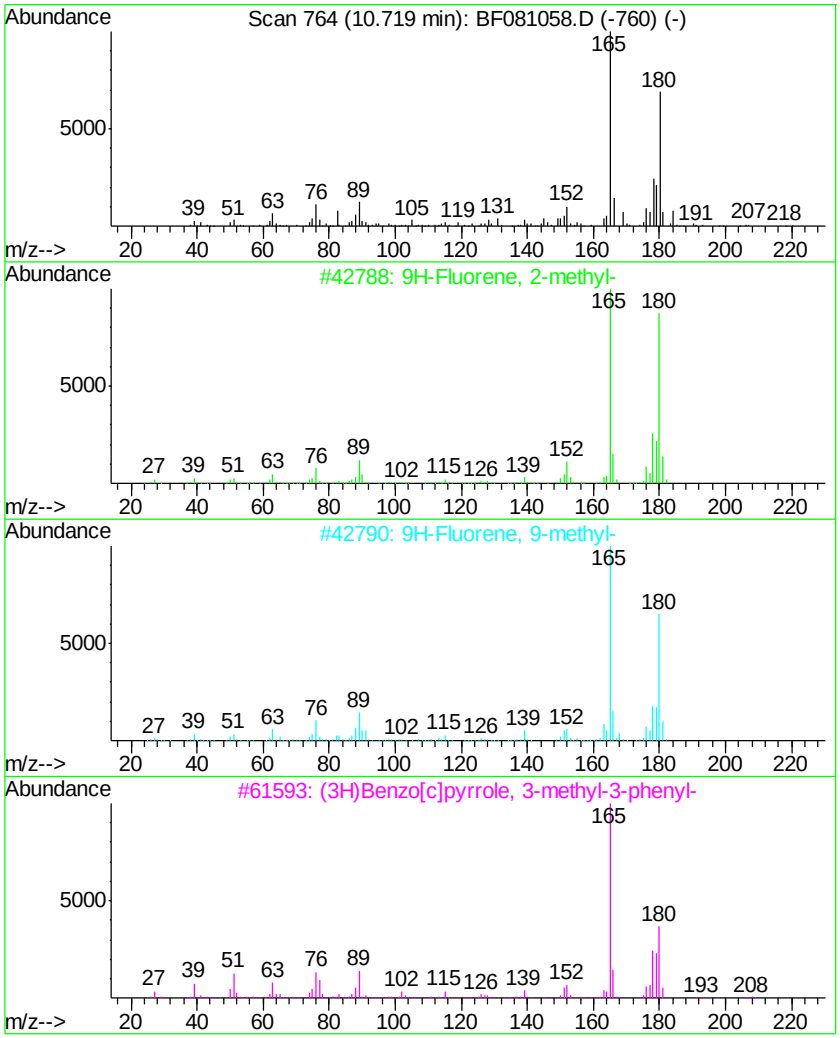
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

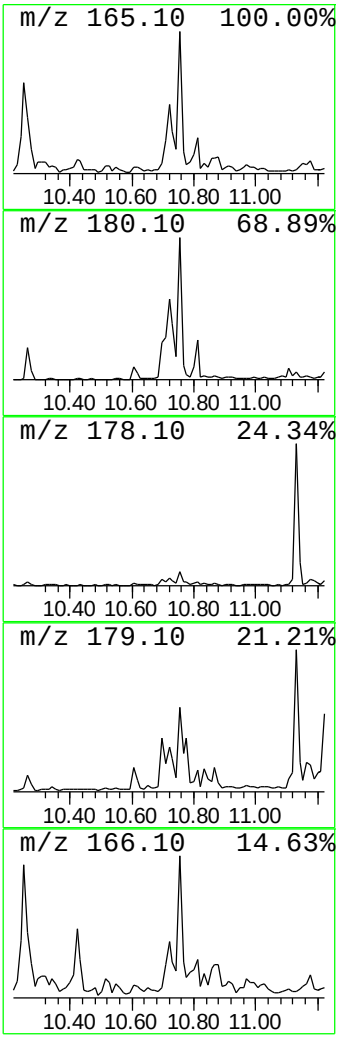
****

Peak Number 17 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	12.17 ng	319056	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
3	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	83
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	81
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

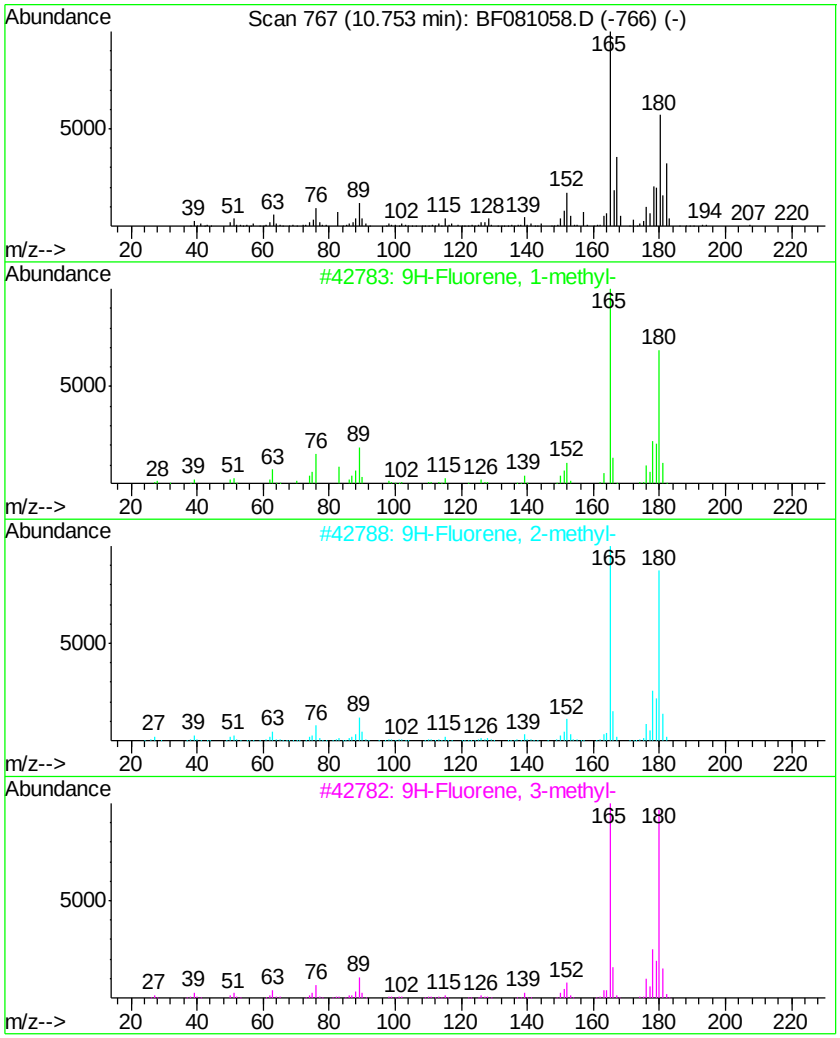
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

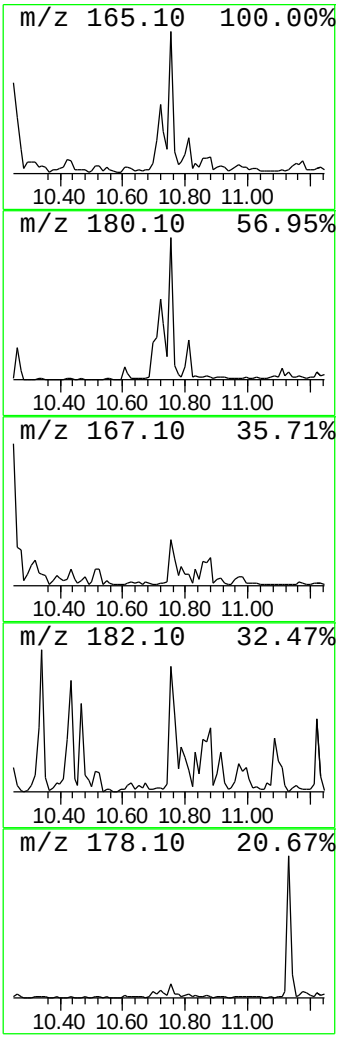
****

Peak Number 18 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	14.76 ng	386719	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60
5	Benzenethiol, 4-(1,1-dimethyleth...	180	C11H16S	015570-10-2	52





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

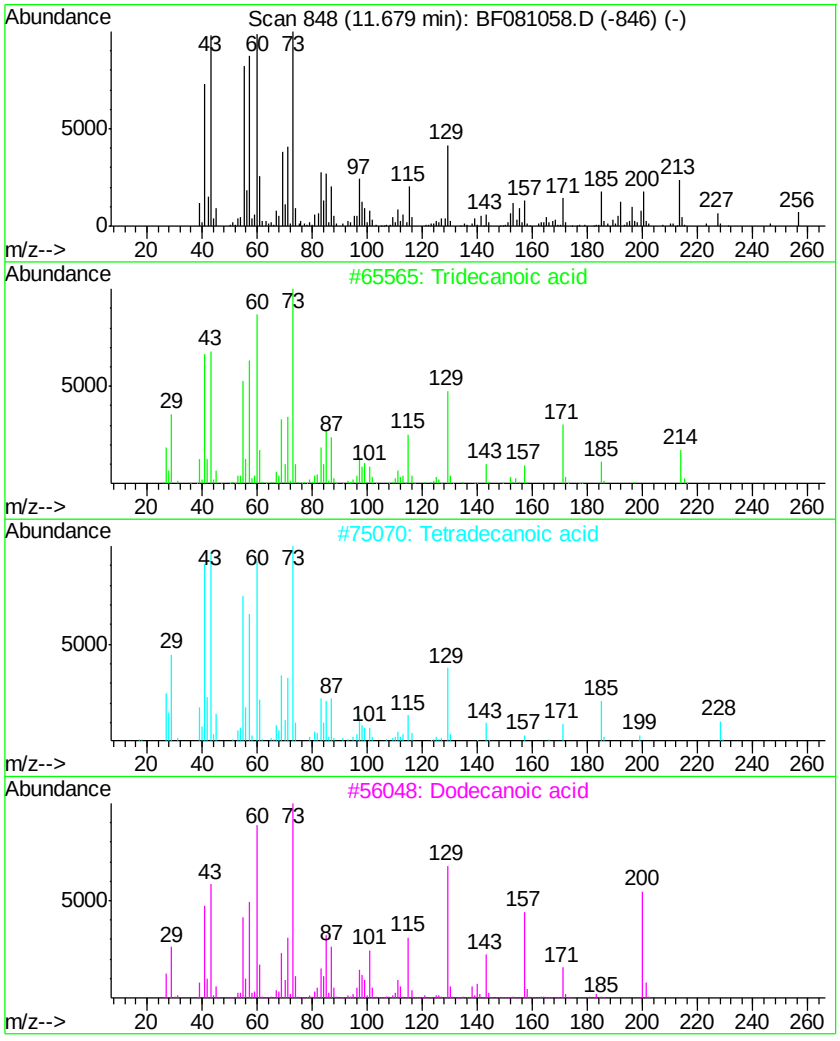
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

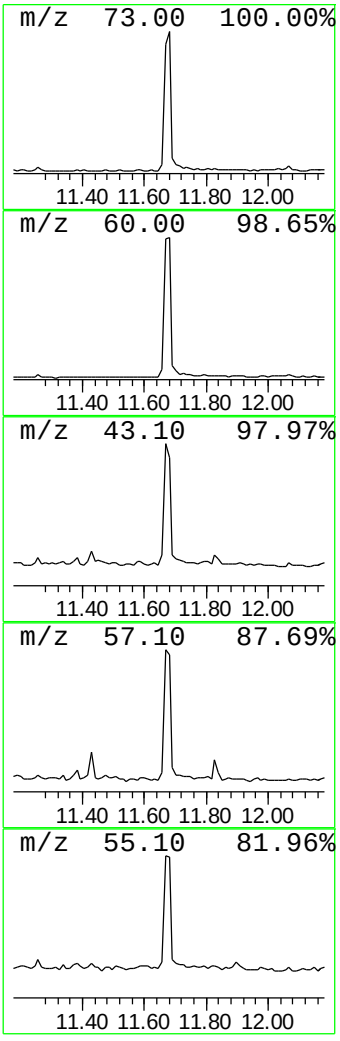
****

Peak Number 19 Tridecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	16.18 ng	424130	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	96
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Dodecanoic acid	200	C12H24O2	000143-07-7	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
5	n-Decanoic acid	172	C10H20O2	000334-48-5	58





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

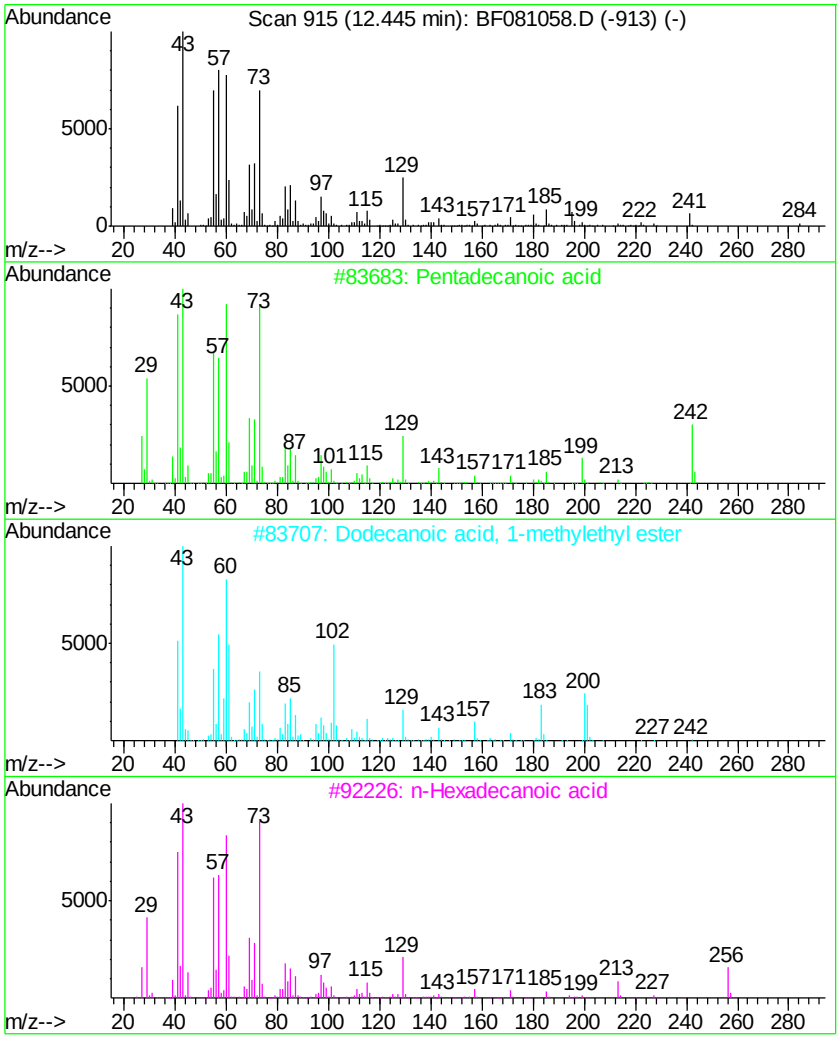
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

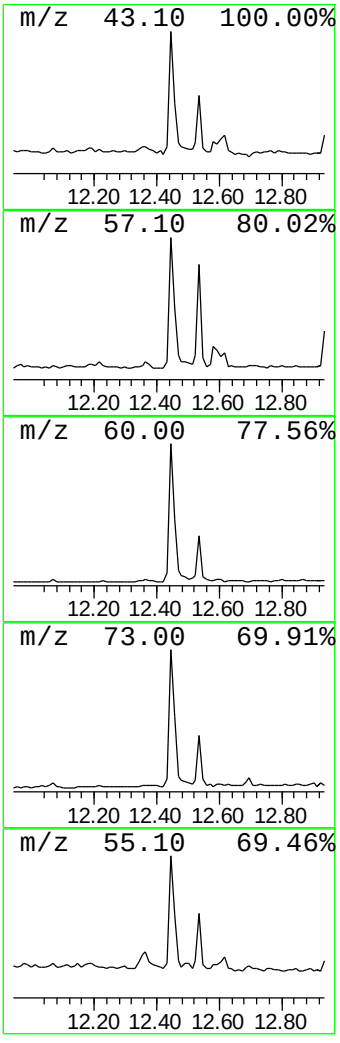
****

Peak Number 20 Pentadecanoic acid Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	9.95 ng	326435	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
2	Dodecanoic acid, 1-methylethyl e...	242	C15H30O2	010233-13-3	72
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Undecanoic acid	186	C11H22O2	000112-37-8	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081815\
Data File : BF081058.D
Acq On : 18 Aug 2015 23:33
Operator : UM/IZ
Sample : G3278-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.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
2-Pentanone, 4-hy...	4.72	27.8	ng	661743	1	6.60	476714	20.0
Benzene, 1,2-diet...	6.87	19.9	ng	474067	1	6.60	476714	20.0
Benzene, 1,4-diet...	6.96	18.4	ng	439773	1	6.60	476714	20.0
1-Phenyl-1-butene	7.56	10.7	ng	1136580	2	7.90	2127220	20.0
Benzene, 1-methyl...	7.64	25.6	ng	2717660	2	7.90	2127220	20.0
Naphthalene, 1-me...	8.71	37.9	ng	4029720	2	7.90	2127220	20.0
Naphthalene, 1,2,...	8.83	10.1	ng	465147	3	9.63	924573	20.0
Naphthalene, 2-et...	9.18	19.3	ng	890173	3	9.63	924573	20.0
Naphthalene, 1,6-...	9.23	27.5	ng	1269460	3	9.63	924573	20.0
Naphthalene, 2,3-...	9.31	79.3	ng	3665980	3	9.63	924573	20.0
Naphthalene, 1,3-...	9.50	18.1	ng	835750	3	9.63	924573	20.0
Naphthalene, 2-(1...	9.75	13.3	ng	613984	3	9.63	924573	20.0
Naphthalene, 1,6,...	9.95	14.0	ng	648060	3	9.63	924573	20.0
Naphthalene, 2,3,...	10.04	11.2	ng	518295	3	9.63	924573	20.0
1-Isopropenylnaph...	10.25	22.4	ng	1036010	3	9.63	924573	20.0
9H-Fluorene, 2-me...	10.72	12.2	ng	319056	4	11.11	524167	20.0
9H-Fluorene, 1-me...	10.75	14.8	ng	386719	4	11.11	524167	20.0
Tridecanoic acid	11.68	16.2	ng	424130	4	11.11	524167	20.0
Pentadecanoic acid	12.44	9.9	ng	326435	5	13.73	655919	20.0