LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

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-BF112115.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	4.787	243	245	256	rVB	420324	716974	10.26%	0.898%
2	5.244	283	285	295	rBV	1801366	2317244	33.17%	2.902%
3	5.793	329	333	336	rBV	54224	88746	1.27%	0.111%
4	6.250	371	373	377	rBV2	31516	87601	1.25%	0.110%
5	6.307	377	378	386	rBV	1080835	1478838	21.17%	1.852%
6	6.422	386	388	391	rBV	4429631	4204516	60.18%	5.266%
7	6.650	406	408	410	rBV	1320799	1286738	18.42%	1.611%
8	6.810	419	422	423	rBV	3967795	4518351	64.67%	5.659%
9	6.833	423	424	426	rVV	552934	436713	6.25%	0.547%
10	6.913	429	431	432	rVV	73340	87471	1.25%	0.110%
11	7.004	435	439	441	rBV2	134262	183685	2.63%	0.230%
12	7.222	452	458	463	rBV	3733427	4370055	62.55%	5.473%
13	7.313	463	466	467	rVB3	76432	128765	1.84%	0.161%
14	7.347	467	469	470	rBV2	68883	103789	1.49%	0.130%
15	7.427	474	476	478	rBV	349047	454287	6.50%	0.569%
16	7.462	478	479	482	rVB3	110636	119661	1.71%	0.150%
17	7.507	482	483	486	rBV3	79714	135154	1.93%	0.169%
18	7.610	486	492	495	rBV6	158925	519834	7.44%	0.651%
19	7.679	496	498	500	rBV2	359312	394951	5.65%	0.495%
20	7.725	500	502	503	rBV	56862	76352	1.09%	0.096%
21	7.759	503	505	508	rVB4	88132	194800	2.79%	0.244%
22	7.816	508	510	514	rBV2	110594	192086	2.75%	0.241%
23	7.896	514	517	518	rBV2	200676	398967	5.71%	0.500%
24	7.942	518	521	522	rVV	1562498	1767375	25.30%	2.213%
25	7.965	522	523	526	rVV2	348410	380520	5.45%	0.477%
26	8.022	526	528	531	rVB3	156333	190512	2.73%	0.239%
27	8.102	533	535	536	rBV2	65338	75272	1.08%	0.094%
28	8.136	536	538	539	rBV	99551	99767	1.43%	0.125%
29	8.182	541	542	544	rBV2	115210	130737	1.87%	0.164%
30	8.330	551	555	556	rBV2	218613	418658	5.99%	0.524%
31	8.410	557	562	564	rBV	1684938	1737839	24.87%	2.176%
32	8.445	564	565	568	rVB3	95140	165617	2.37%	0.207%
33	8.502	568	570	572	rBV2	186662	263516	3.77%	0.330%
34	8.605	577	579	581	rBV	820841	751214	10.75%	0.941%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

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-BF112115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.639	581	582	584	rVB2	155134	171829	2.46%	0.215%
36	8.753	585	592	594	rBV2	2666429	3551083	50.82%	4.447%
37	8.833	597	599	600	rBV2	160939	270167	3.87%	0.338%
38	8.936	605	608	609	rBV3	302880	458630	6.56%	0.574%
39	8.970	609	611	613	rVB3	241876	367369	5.26%	0.460%
40	9.016	613	615	618	rBV	4398797	5868138	83.99%	7.349%
41	9.119	621	624	625	rBV3	216133	413628	5.92%	0.518%
42	9.153	625	627	629	rBV2	286764	486668	6.97%	0.609%
43	9.222	632	633	635	rVB	462208	437926	6.27%	0.548%
44	9.279	635	638	640	rBV	553463	962447	13.77%	1.205%
45	9.348	643	644	646	rBV	792246	1240663	17.76%	1.554%
46	9.428	649	651	653	rBV	477361	474815	6.80%	0.595%
47	9.462	653	654	658	rVB2	491949	922027	13.20%	1.155%
48	9.553	659	662	664	rBV	634697	949299	13.59%	1.189%
49	9.599	664	666	668	rVB2	299145	402084	5.75%	0.504%
50	9.645	668	670	671	rBV2	180571	338317	4.84%	0.424%
51	9.690	671	674	675	rBV	1890751	1996475	28.57%	2.500%
52	9.805	681	684	686	rBV2	298689	622981	8.92%	0.780%
53	9.896	690	692	694	rVB	740301	792983	11.35%	0.993%
54	9.930	694	695	697	rBV	445748	478159	6.84%	0.599%
55	9.965	697	698	699	rVB	241953	165980	2.38%	0.208%
56	10.010	699	702	707	rBV4	916517	2197423	31.45%	2.752%
57	10.079	707	708	712	rVV3	382613	792460	11.34%	0.992%
58	10.182	716	717	718	rBV	249116	289510	4.14%	0.363%
59	10.228	719	721	724	rVV4	446962	929010	13.30%	1.163%
60	10.296	724	727	728	rVV	990250	1190710	17.04%	1.491%
61	10.353	730	732	735	rVB3	390302	689619	9.87%	0.864%
62	10.479	740	743	748	rBV2	4309363	6987005	100.00%	8.750%
63	10.628	753	756	759	rVB4	568319	1230702	17.61%	1.541%
64	10.673	759	760	761	rBV	338198	328904	4.71%	0.412%
65	10.776	767	769	770	rBV	266103	267970	3.84%	0.336%
66	10.811	770	772	775	rVV3	477938	533347	7.63%	0.668%
67	10.891	778	779	780	rBV	288438	305570	4.37%	0.383%
68	11.165	801	803	806	rBV2	1881517	2204080	31.55%	2.760%
69	11.233	807	809	810	rVV	372956	426540	6.10%	0.534%
70	11.279	811	813	815	rVB3	425360	554807	7.94%	0.695%
71	11.416	823	825	828	rBV3	485587	636346	9.11%	0.797%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

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-BF112115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.736	852	853	855	rVB2	857674	951356	13.62%	1.191%
73	12.228	894	896	901	rVB	710008	903245	12.93%	1.131%
74	12.514	919	921	923	rBV	765453	785900	11.25%	0.984%
75	12.754	939	942	944	rVB	4605144	4616512	66.07%	5.782%
76	13.657	1019	1021	1027	rVB	451777	529132	7.57%	0.663%
77	13.794	1031	1033	1035	rVB	1169280	1324664	18.96%	1.659%
78	14.571	1099	1101	1105	rVB2	62542	90435	1.29%	0.113%
79	15.154	1149	1152	1155	rBV	1001372	1127087	16.13%	1.412%
80	16.000	1224	1226	1232	rVB3	41261	108248	1.55%	0.136%

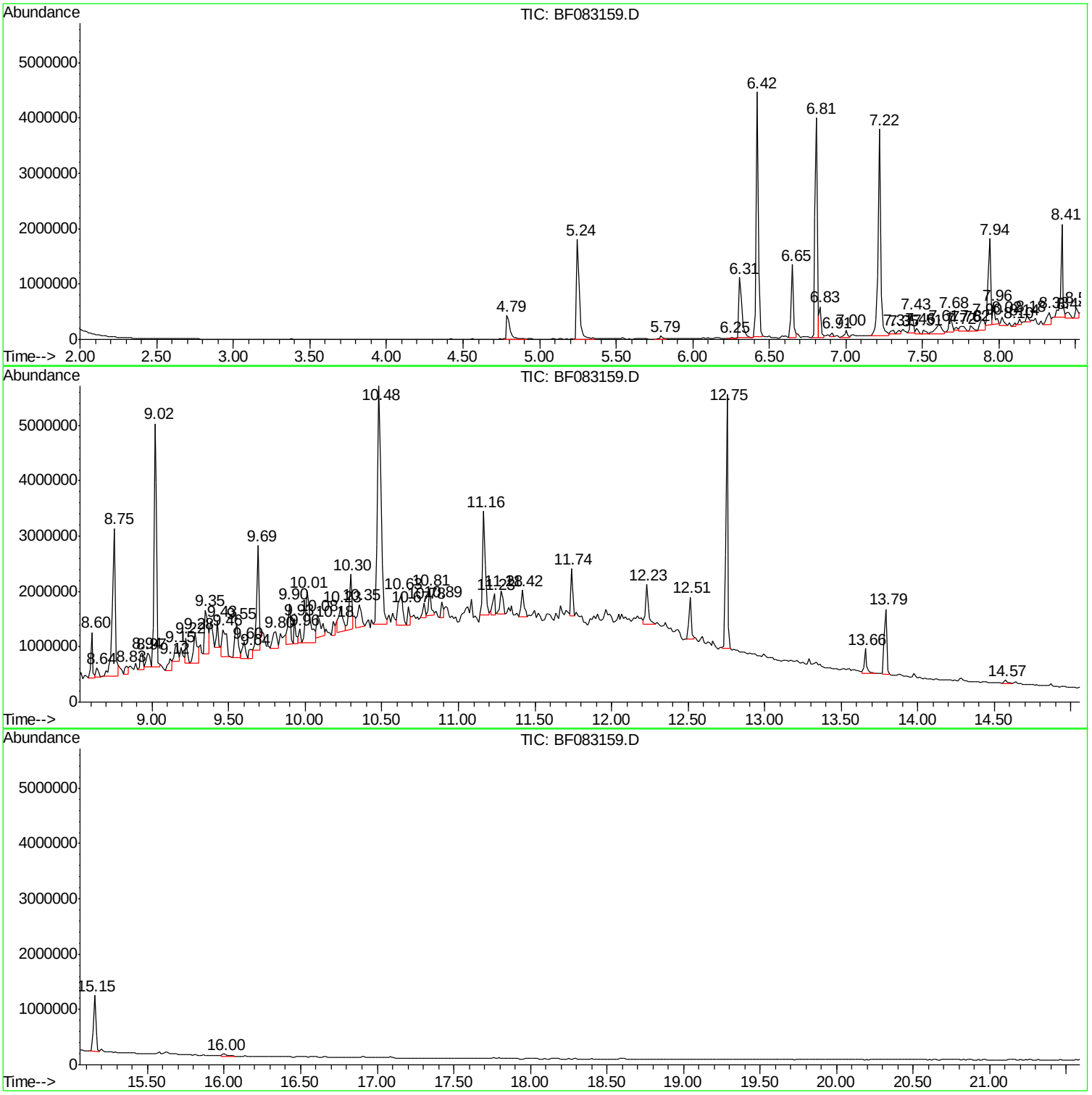
Sum of corrected areas: 79848855

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.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\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

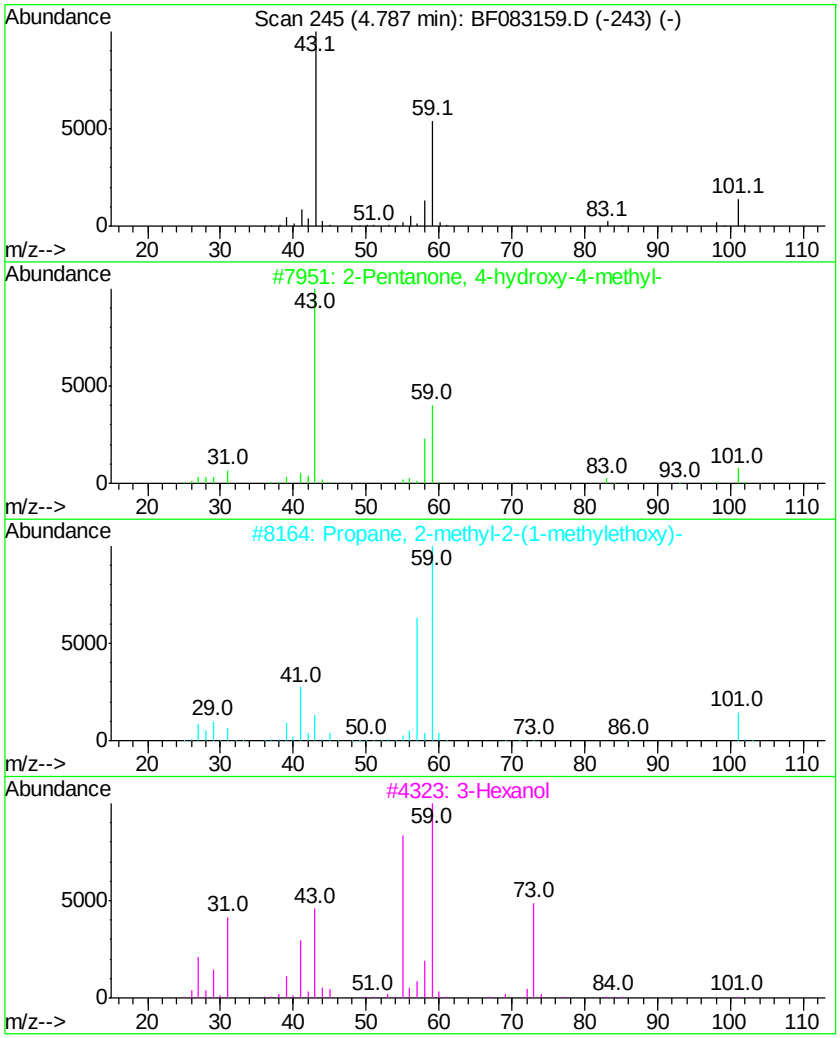
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

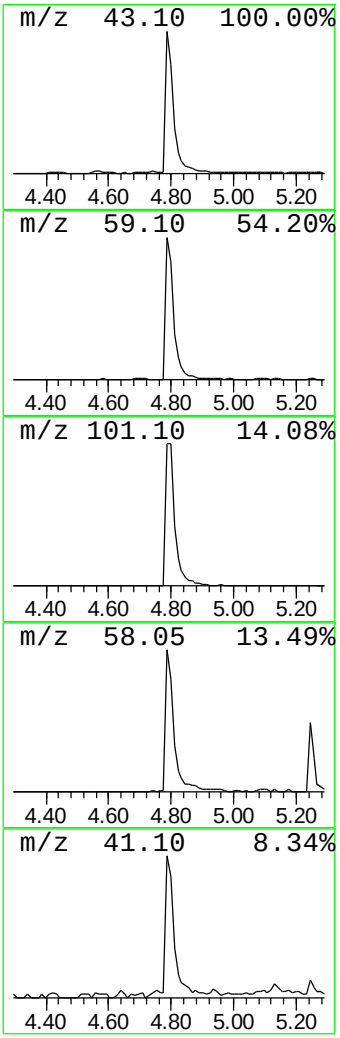
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.79	11.14 ng	716974	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol	102	C6H14O	000623-37-0	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

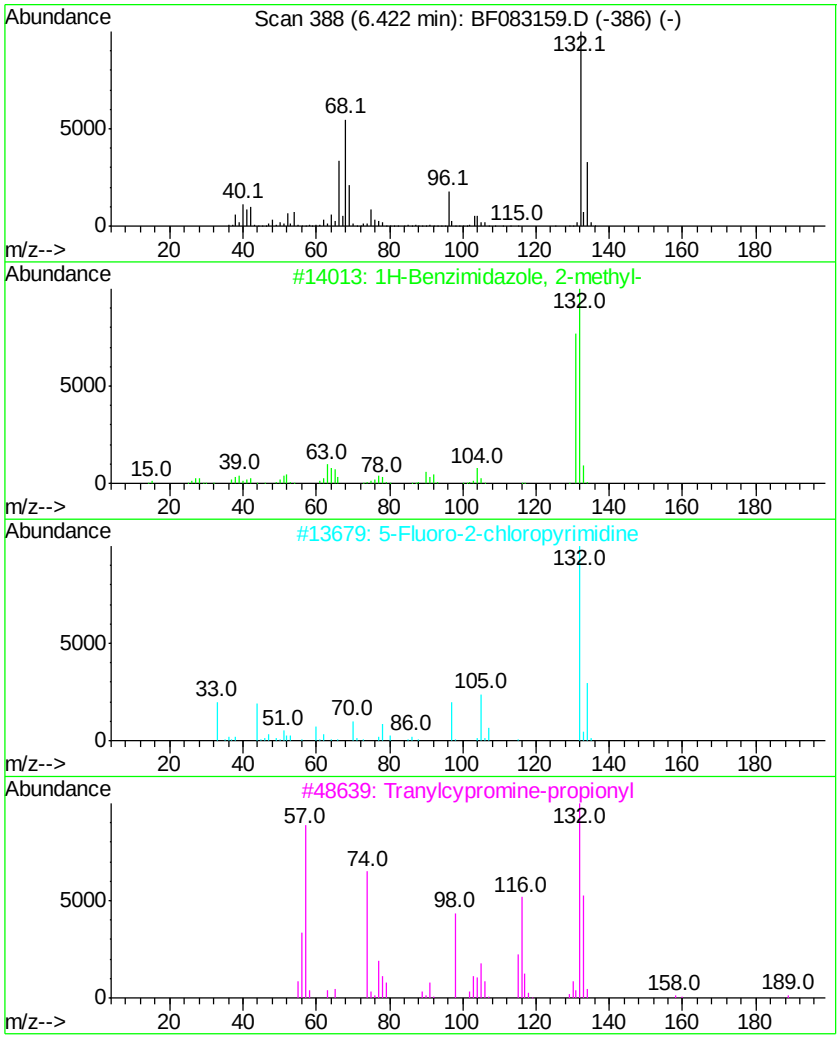
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

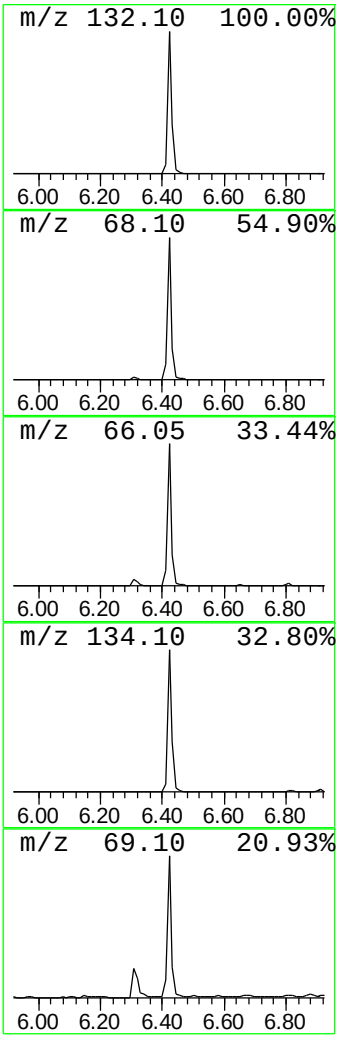
****

Peak Number 2 unknown6.42 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	65.35 ng	4204520	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

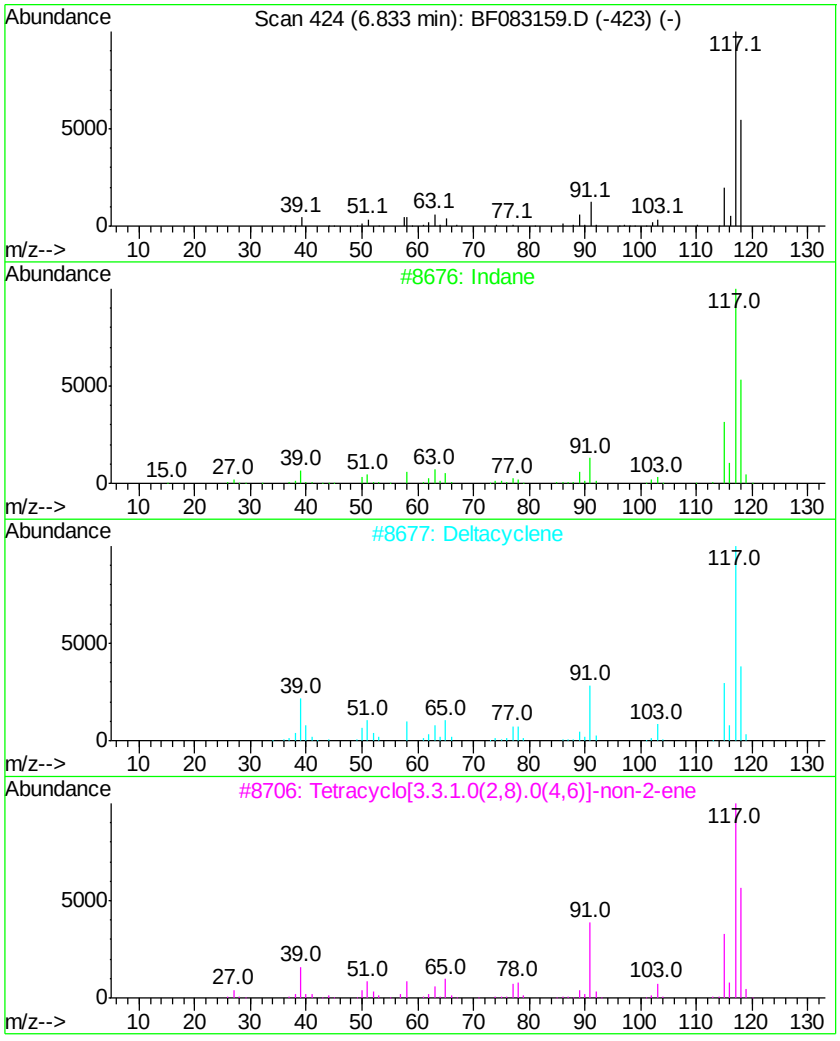
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

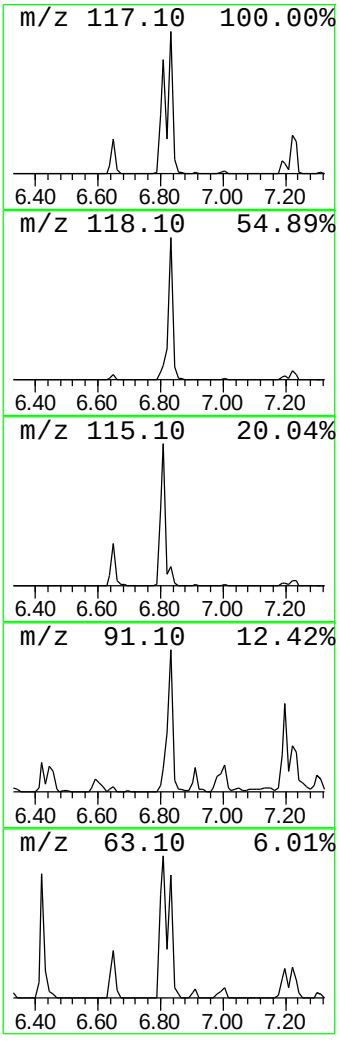
****

Peak Number 4 Indane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	6.79 ng	436713	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	83
2	Deltacyclene	118	C9H10	007785-10-6	64
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	59
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

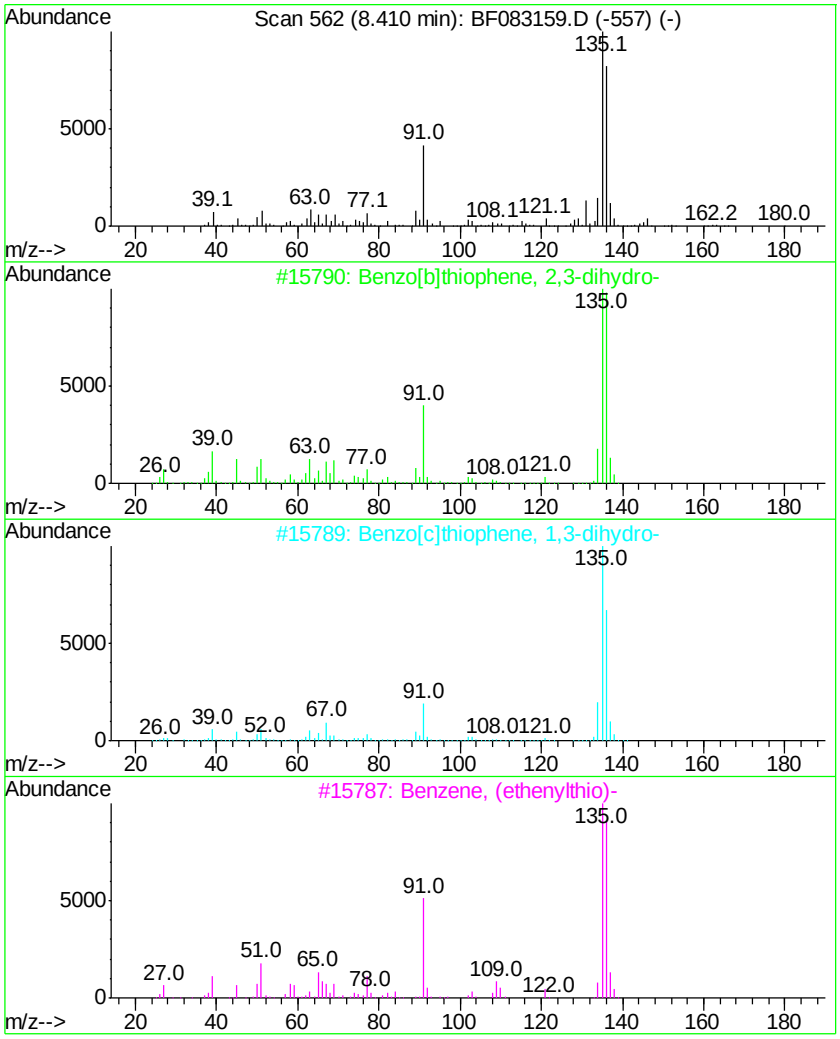
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

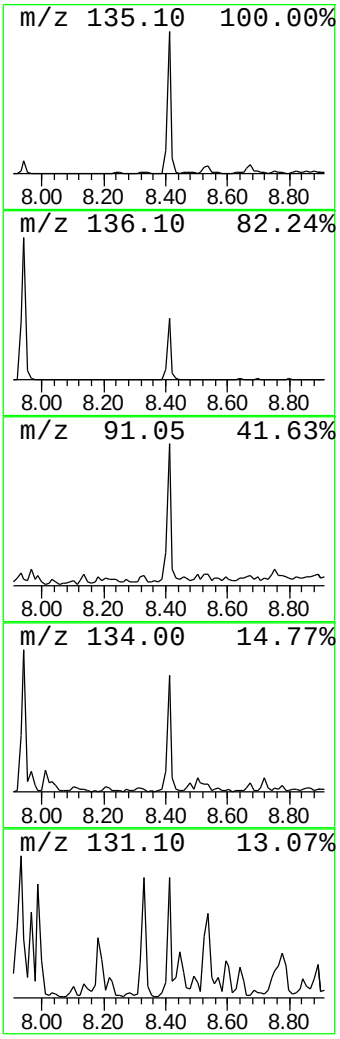
****

Peak Number 5 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	19.67 ng	1737840	Naphthalene-d8	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	93
2	Benzo[c]thiophene, 1,3-dihydro-	136	C8H8S	002471-92-3	87
3	Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	80
4	2-Hydroxy-4-methylbenzaldehyde	136	C8H8O2	000698-27-1	72
5	2-Hydroxy-3-methylbenzaldehyde	136	C8H8O2	000824-42-0	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

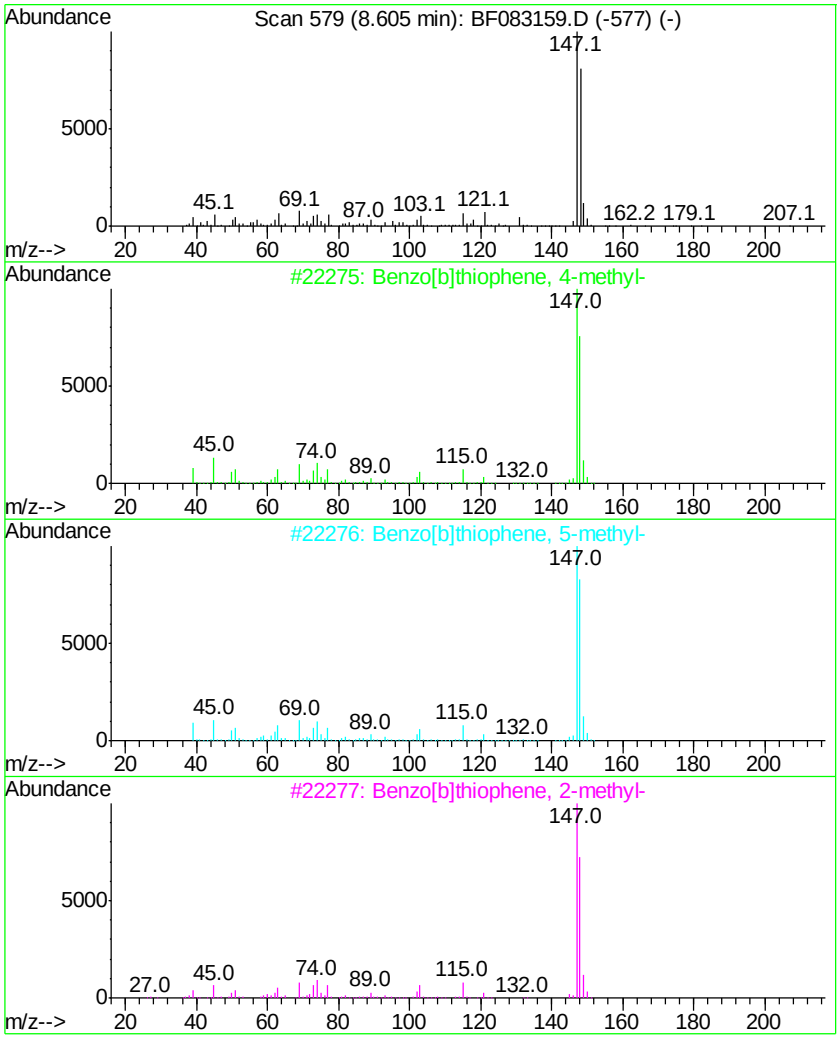
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

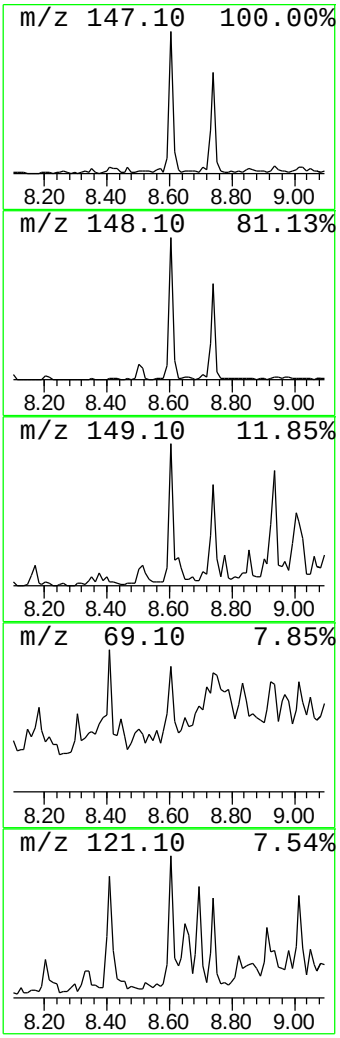
****

Peak Number 6 Benzo[b]thiophene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	8.50 ng	751214	Naphthalene-d8	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
2	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
5	Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

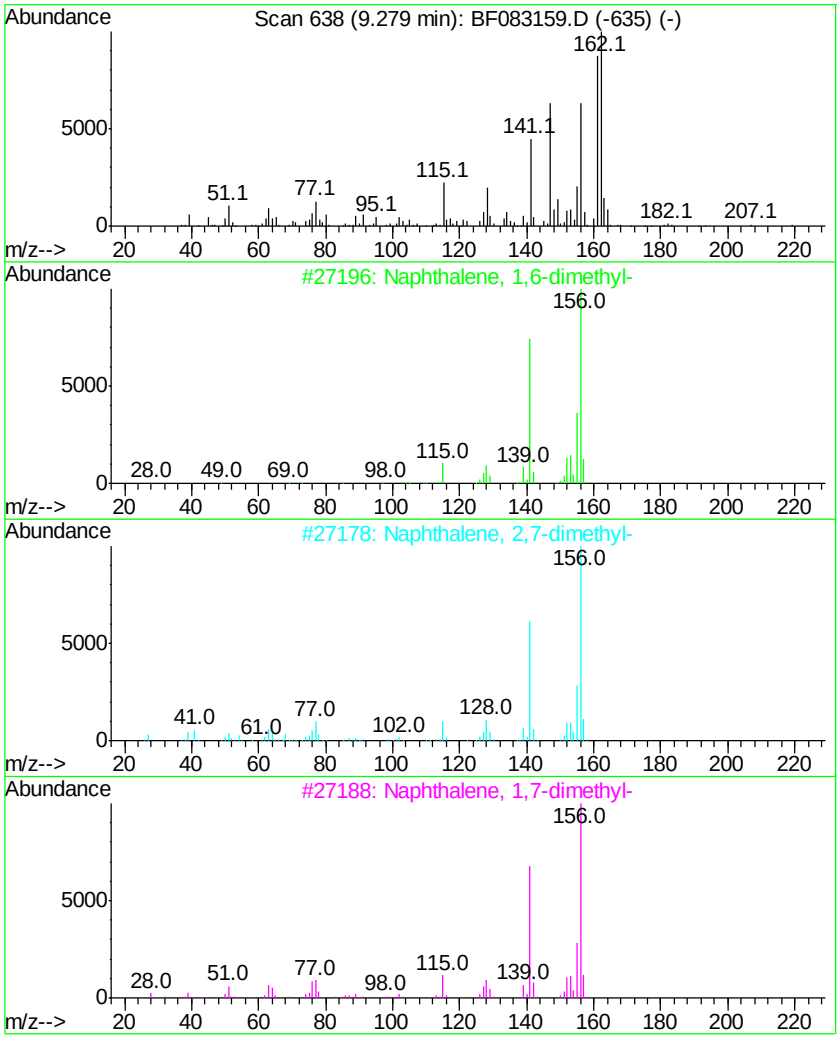
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

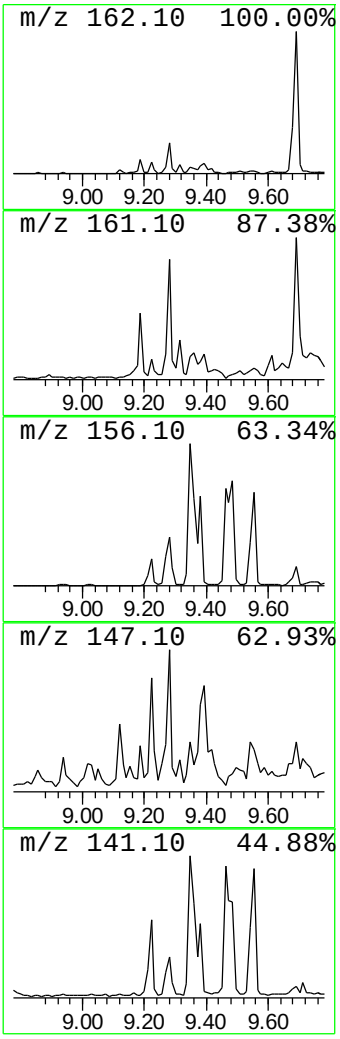
****

Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	9.64 ng	962447	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	76
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	64
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	64
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	64
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

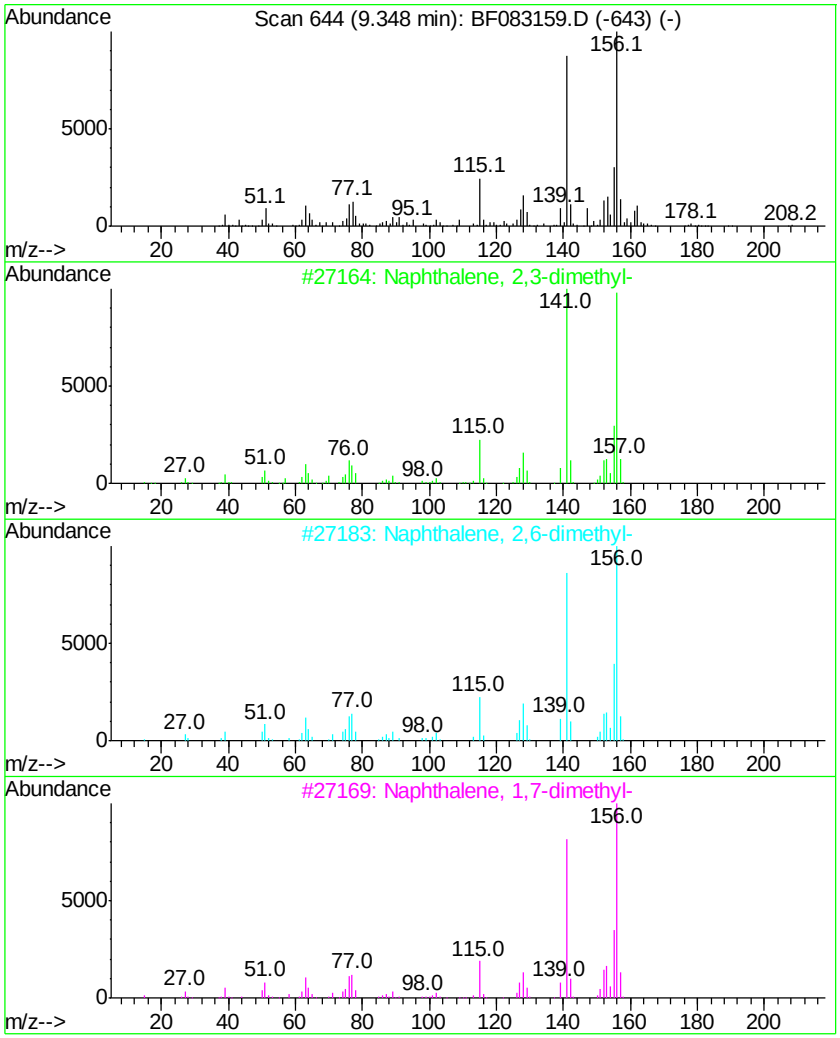
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

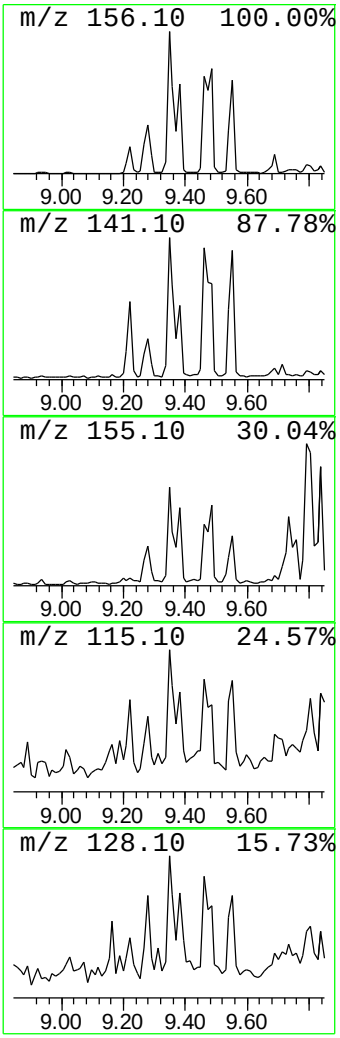
****

Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	12.43 ng	1240660	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

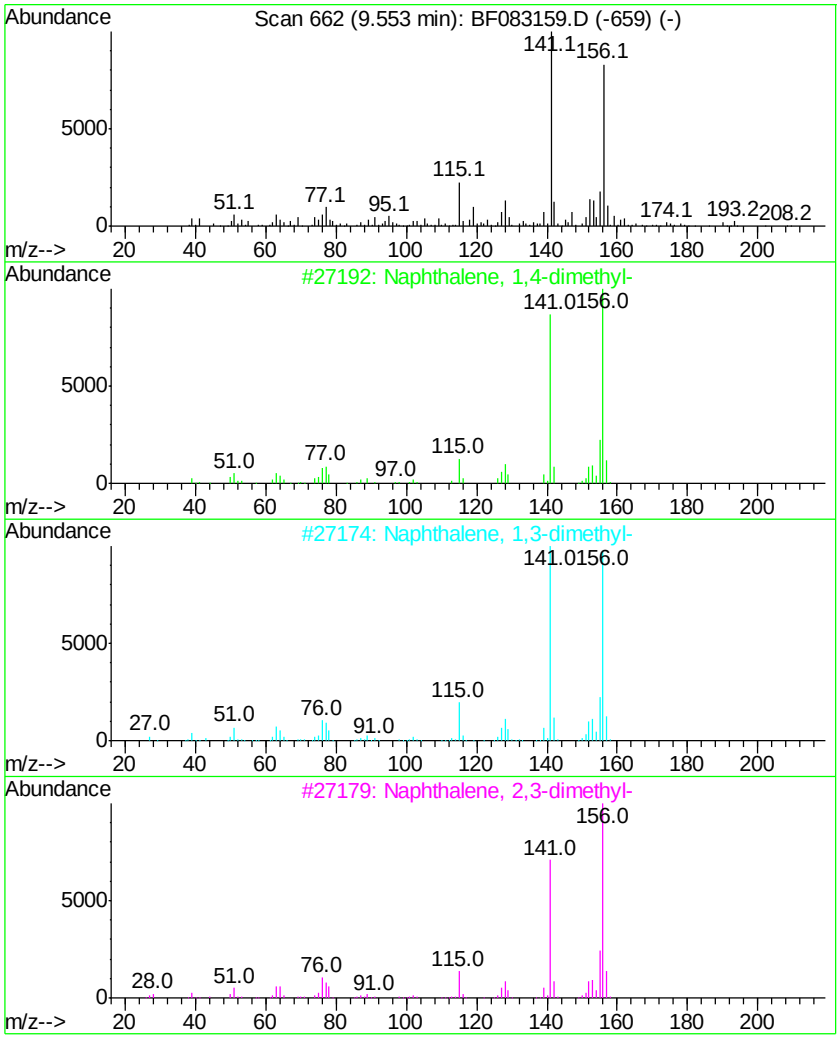
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

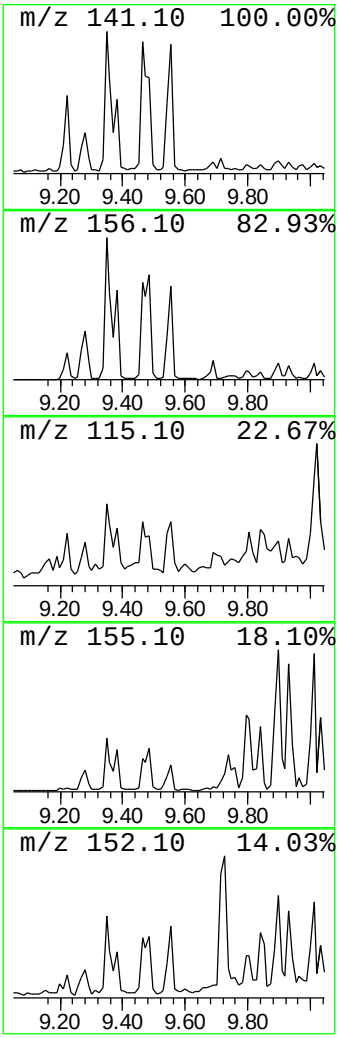
****

Peak Number 10 Naphthalene, 1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	9.51 ng	949299	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

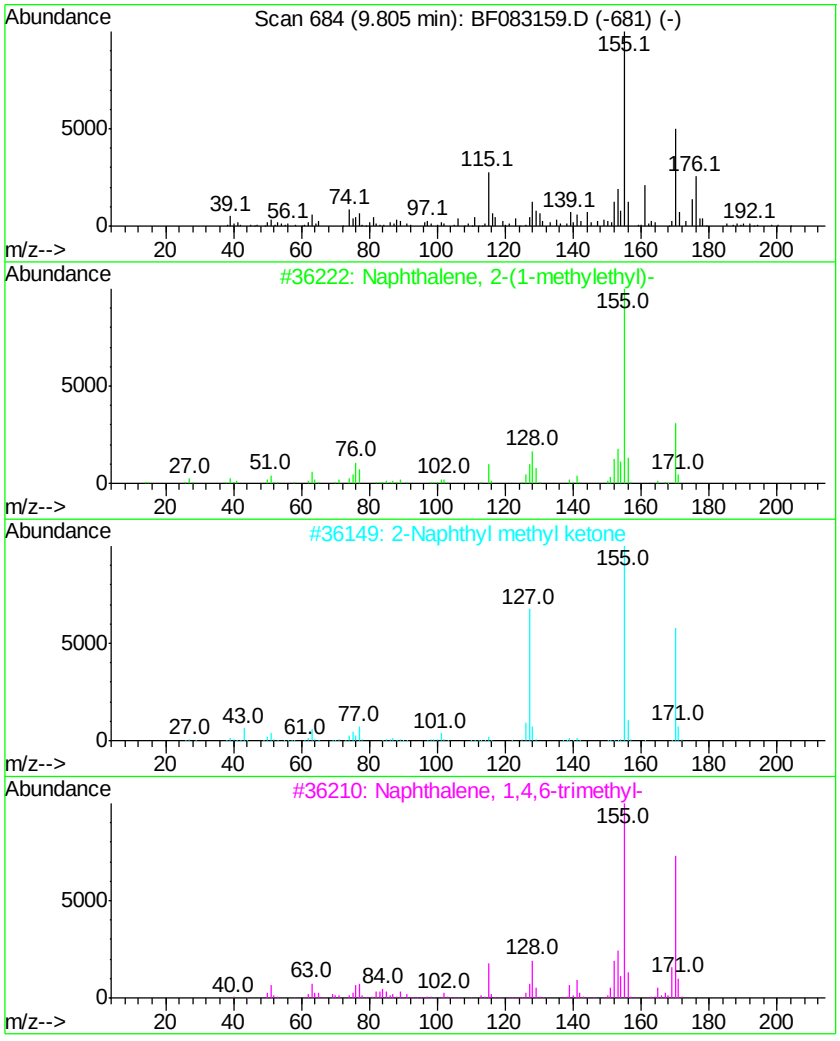
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

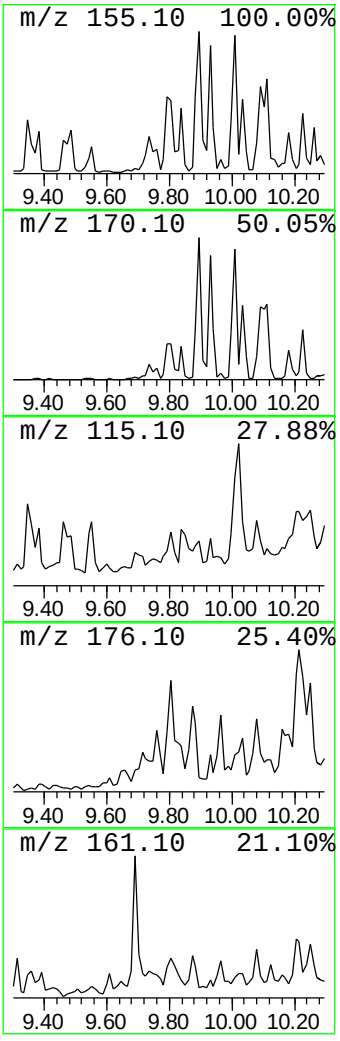
****

Peak Number 11 Naphthalene, 2-(1-methyleth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	6.24 ng	622981	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	62
2	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	60
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	55
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	50
5	1'-Acetonaphthone	170	C12H10O	000941-98-0	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

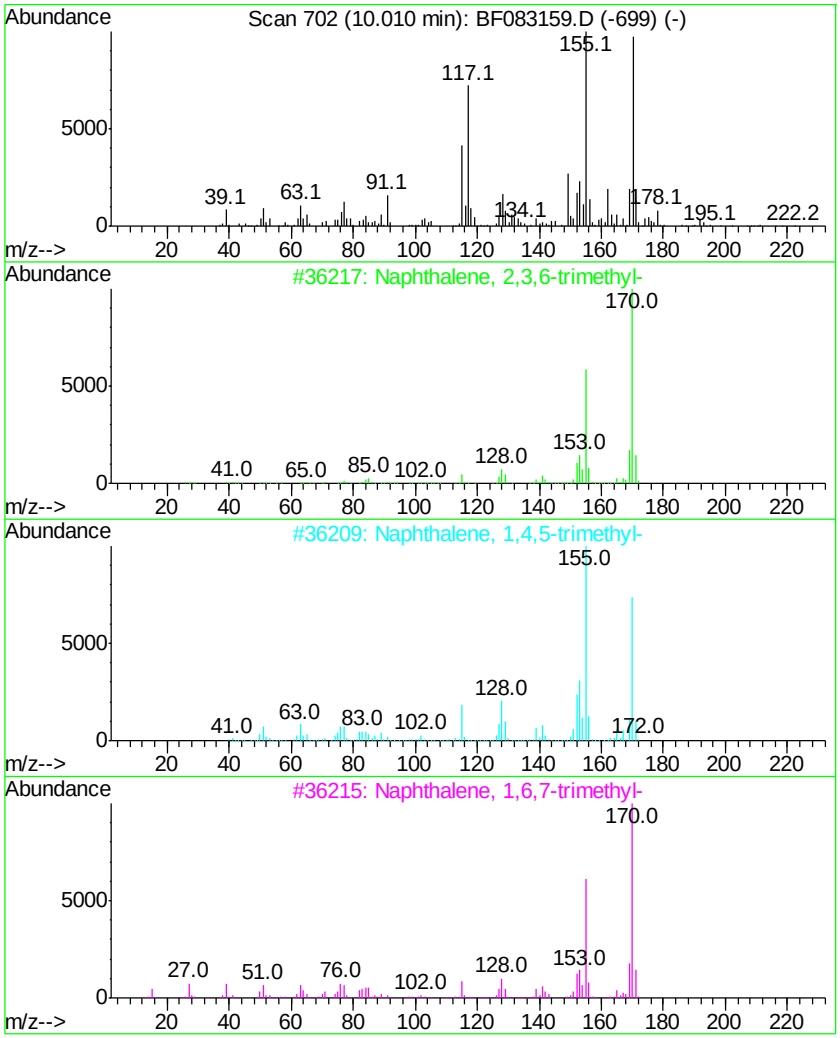
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

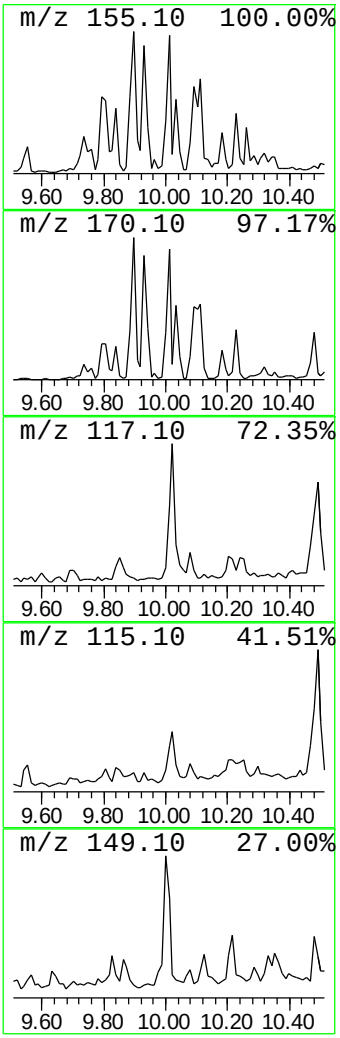
****

Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	22.01 ng	2197420	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	83
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

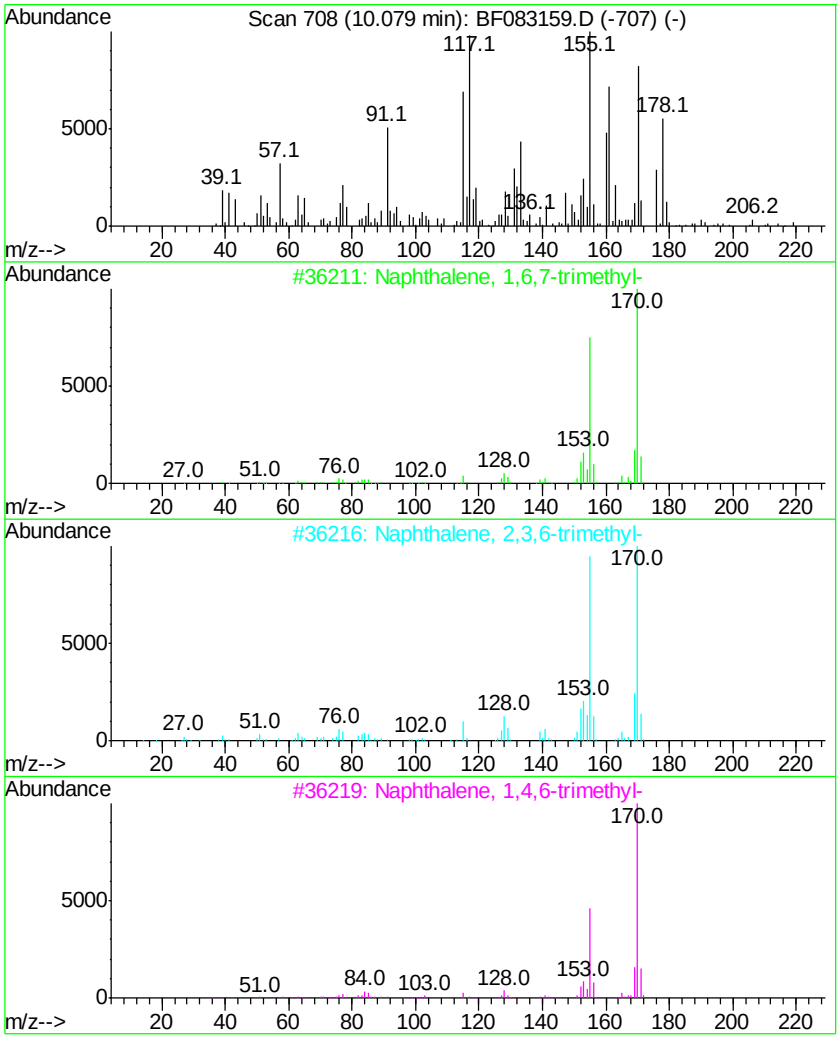
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

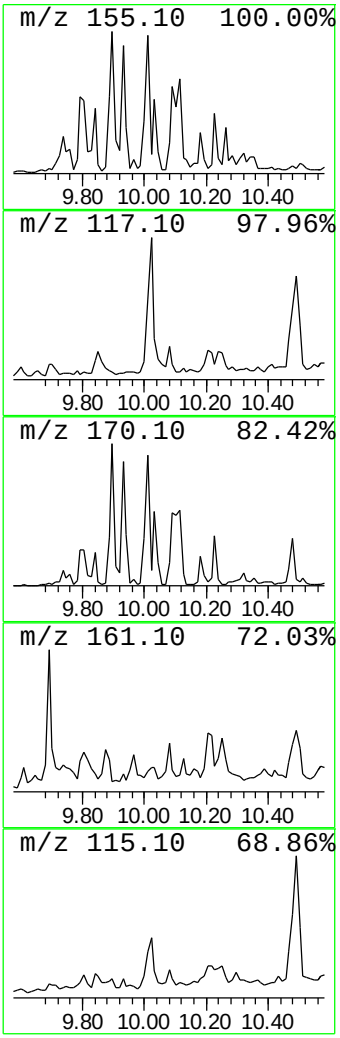
****

Peak Number 13 Naphthalene, 1,6,7-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	7.94 ng	792460	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	51
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	38
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	38
4	Dimethyl phenylphosphonite	170	C8H11O2P	002946-61-4	38
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

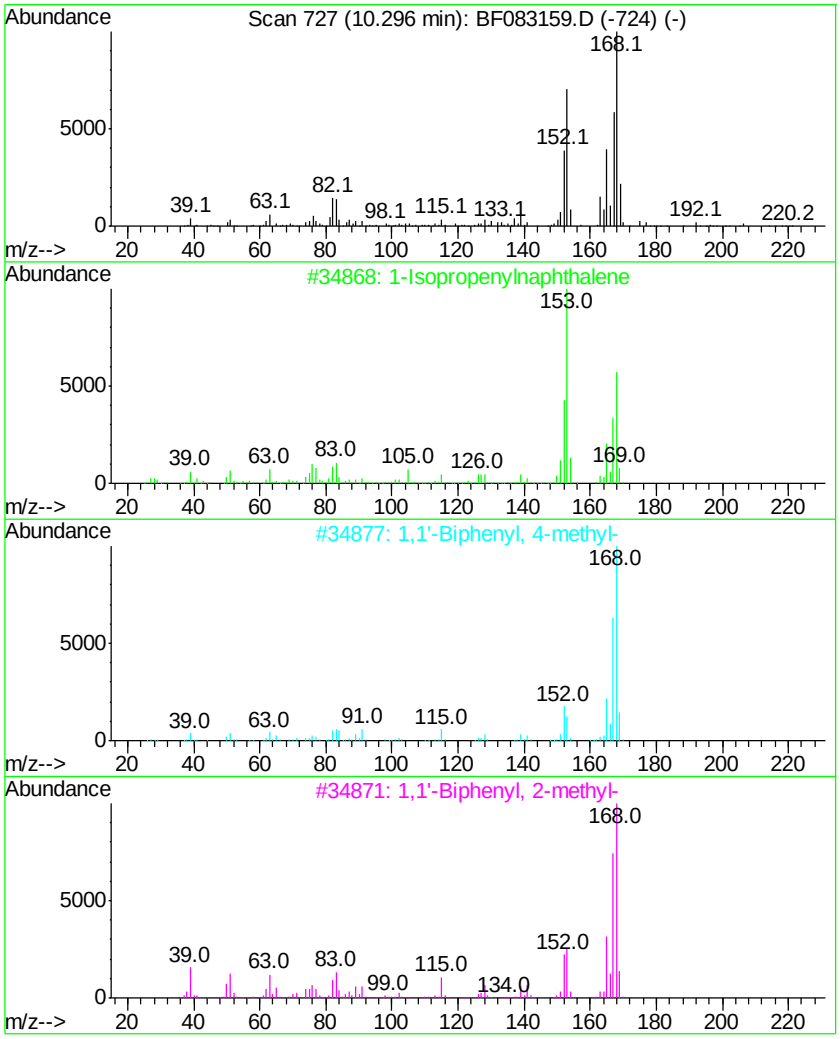
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

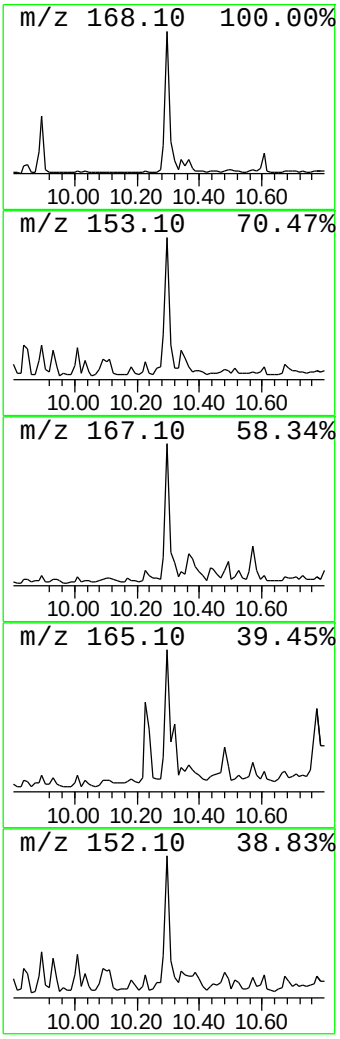
****

Peak Number 14 1-Isopropenylnaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	11.93 ng	1190710	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	62
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	53
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	47
5	Diphenylmethane	168	C13H12	000101-81-5	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

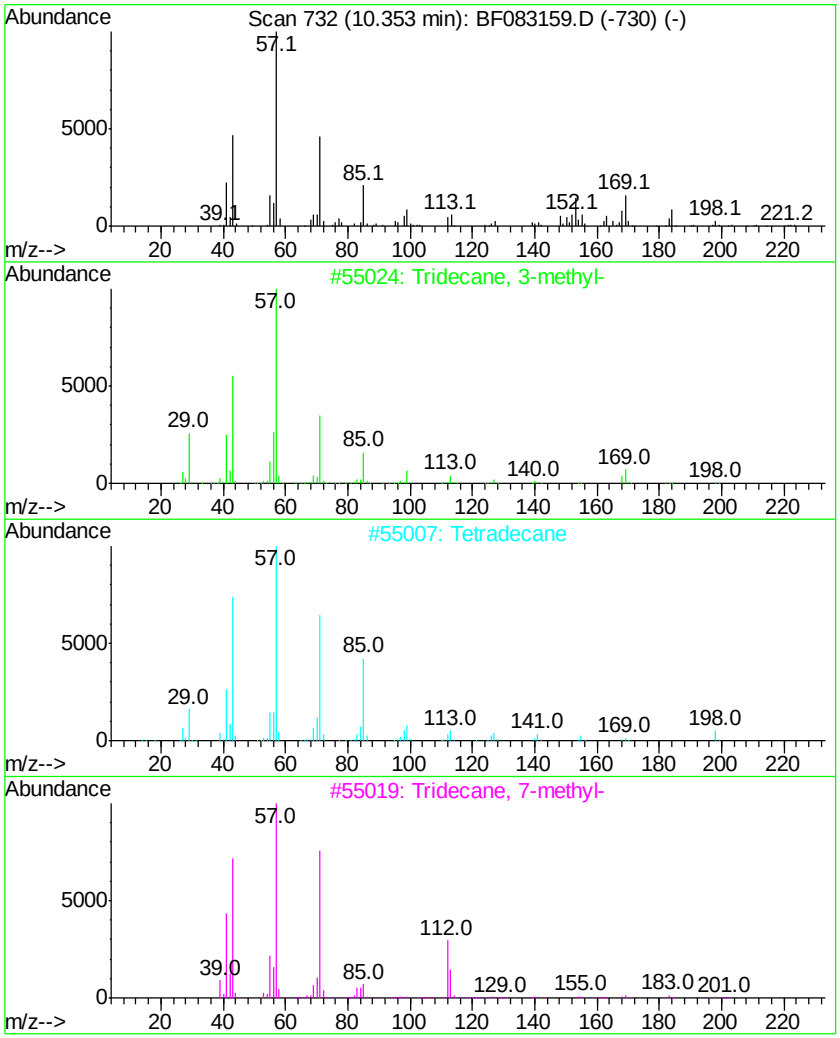
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

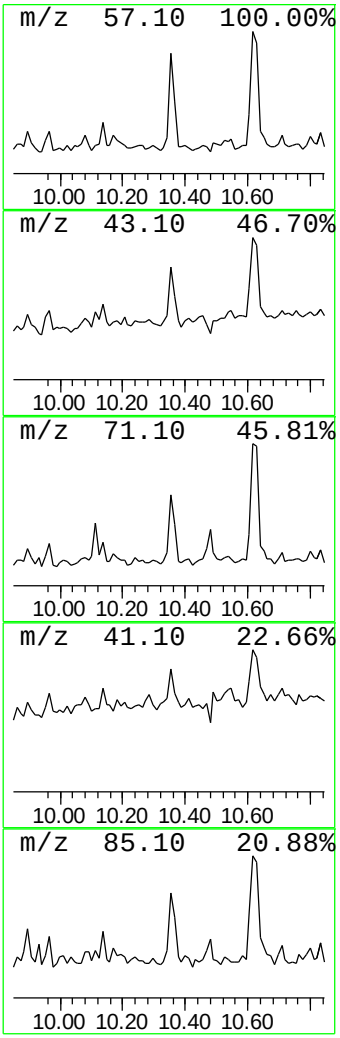
****

Peak Number 15 Tridecane, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	6.91 ng	689619	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	64
2	Tetradecane	198	C14H30	000629-59-4	53
3	Tridecane, 7-methyl-	198	C14H30	026730-14-3	53
4	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	53
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

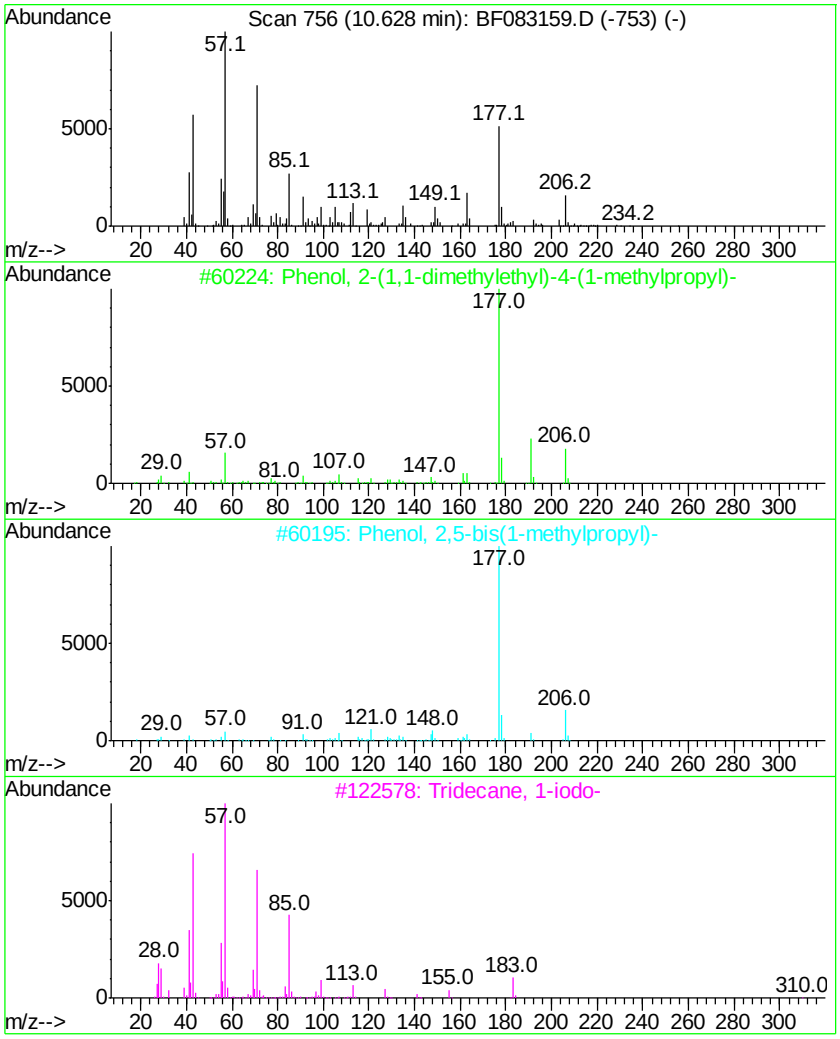
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

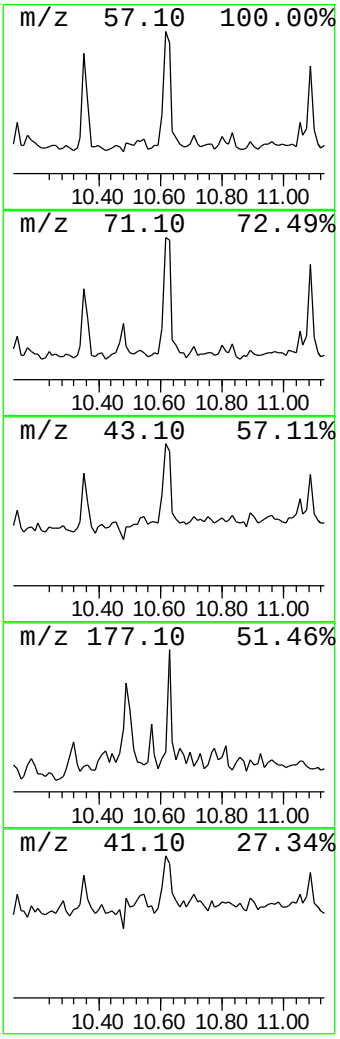
****

Peak Number 16 unknown10.63 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	11.17 ng	1230700	Phenanthrene-d10	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(1,1-dimethylethyl)-4-...	206	C14H22O	052184-13-1	35
2	Phenol, 2,5-bis(1-methylpropyl)-	206	C14H22O	054932-77-3	30
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	27
4	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	27
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

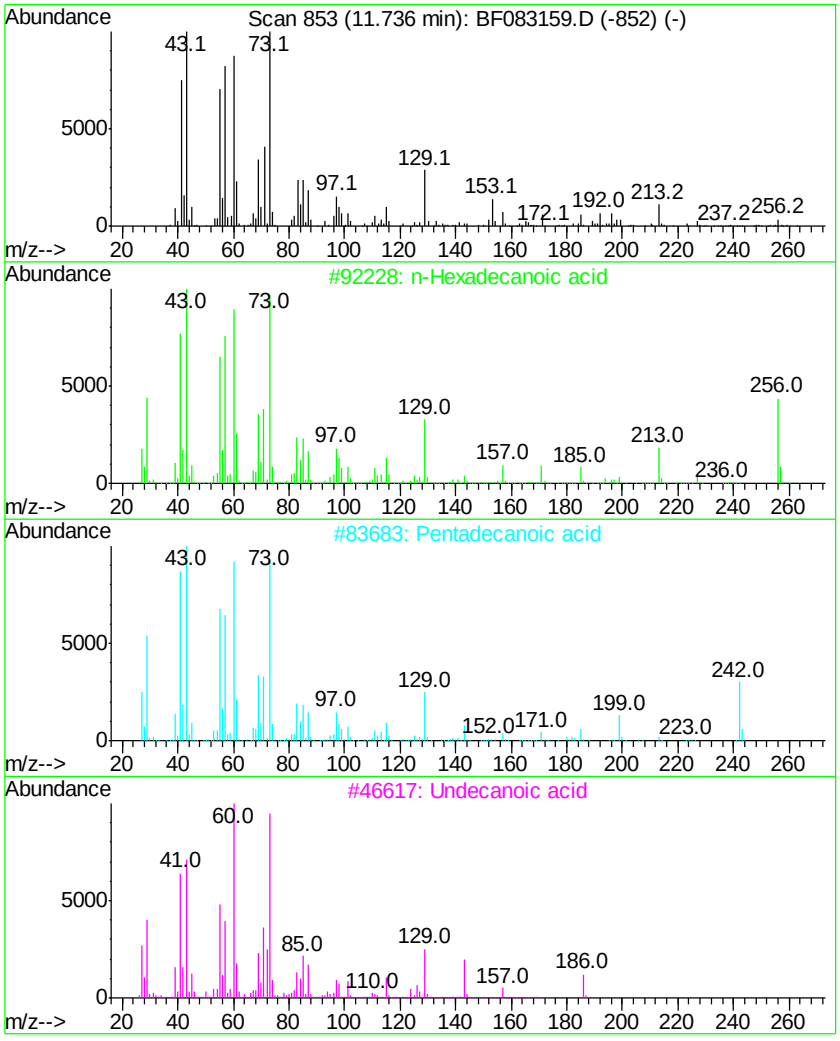
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

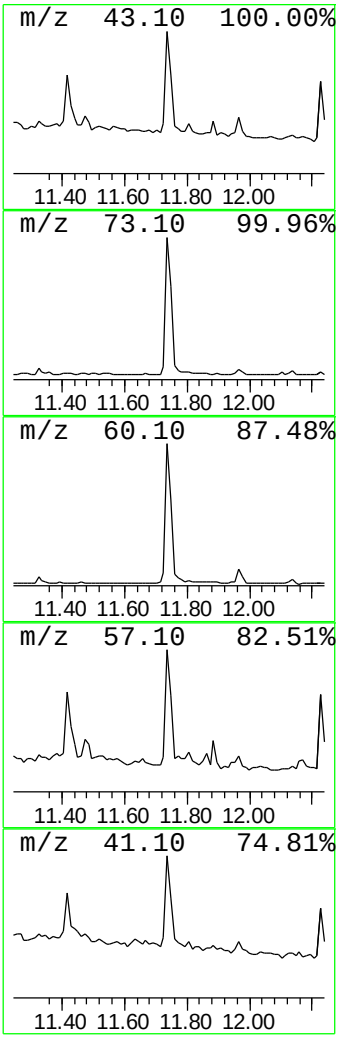
****

Peak Number 17 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	8.63 ng	951356	Phenanthrene-d10	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Undecanoic acid	186	C11H22O2	000112-37-8	80
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Butanoic acid	88	C4H8O2	000107-92-6	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

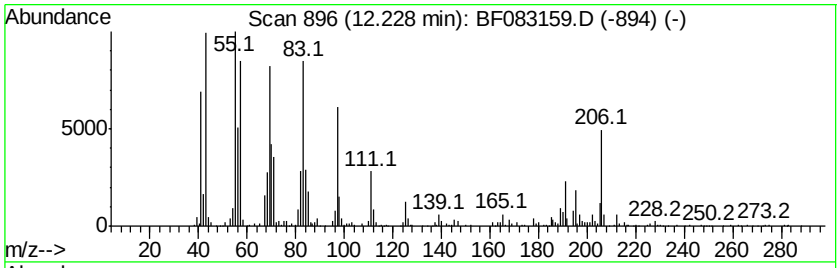
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

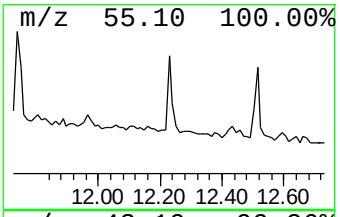
****

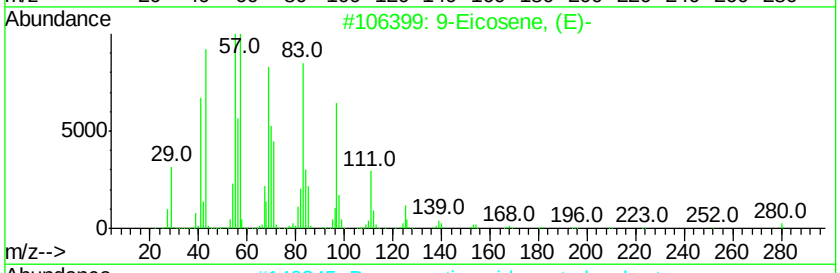
Peak Number 18 9-Eicosene, (E)- Concentration Rank 15

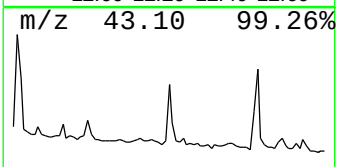
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	8.20 ng	903245	Phenanthrene-d10	11.16

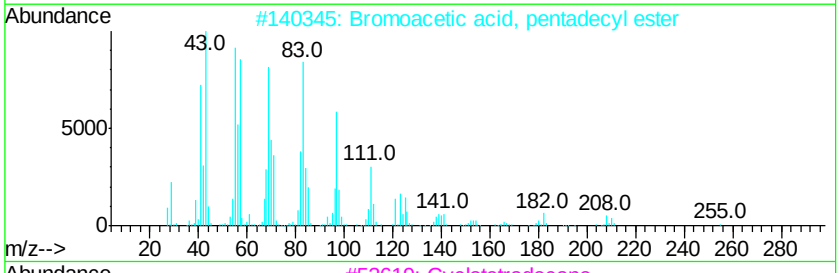
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Eicosene, (E)-	280	C20H40	074685-29-3	90
2	Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	90
3	Cyclotetradecane	196	C14H28	000295-17-0	83
4	Cyclohexadecane	224	C16H32	000295-65-8	81
5	1-Hexadecanol	242	C16H34O	036653-82-4	81

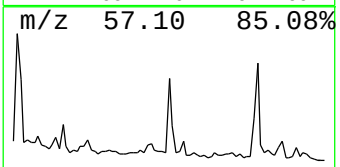


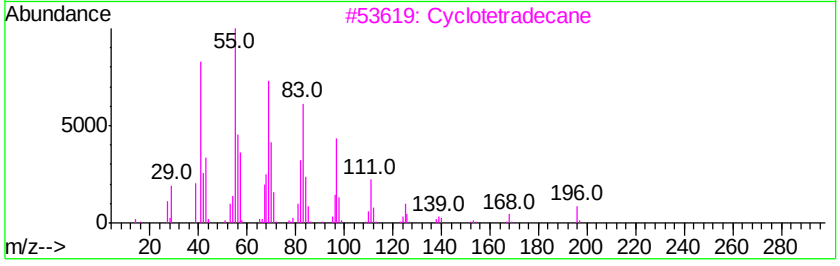


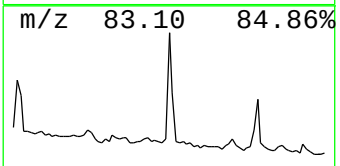


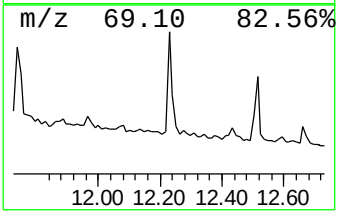












Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

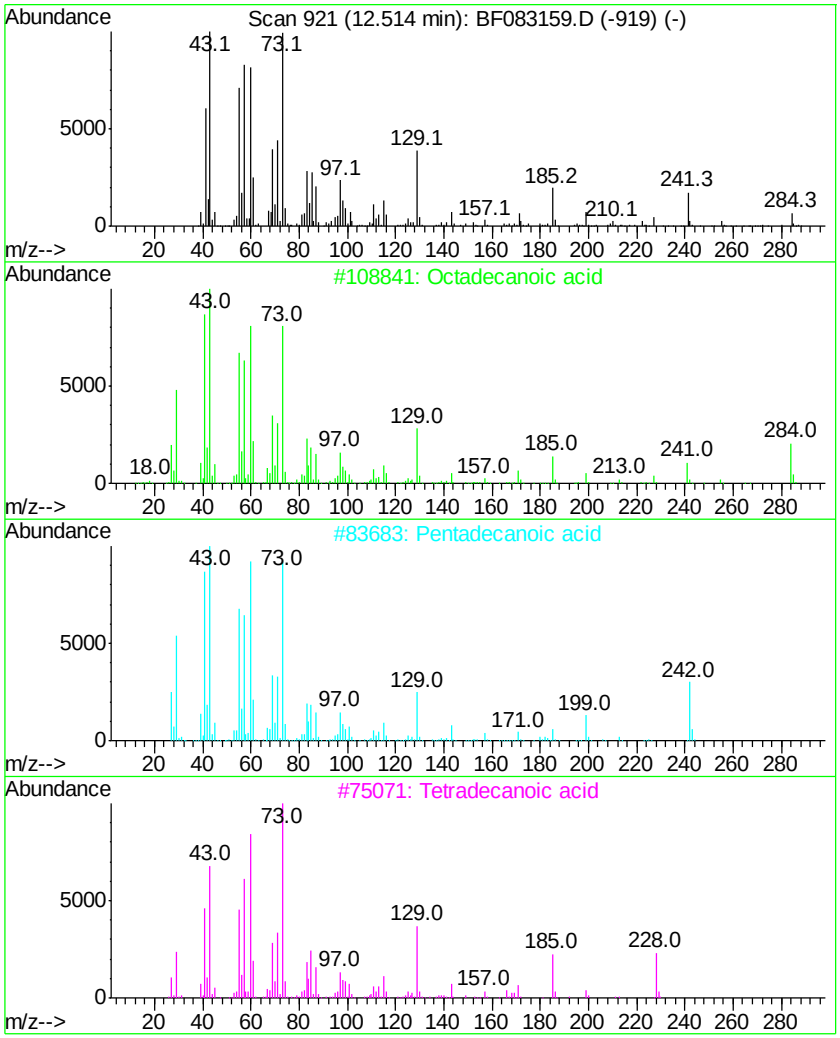
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

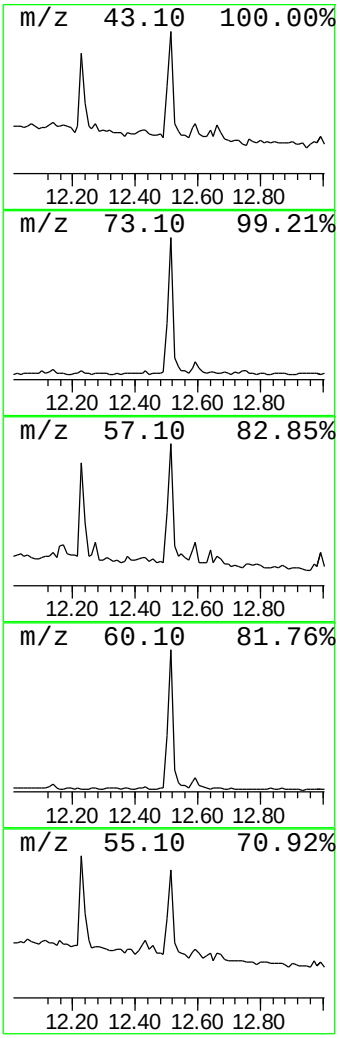
****

Peak Number 19 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	11.87 ng	785900	Chrysene-d12	13.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	Tridecanoic acid	214	C13H26O2	000638-53-9	76
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

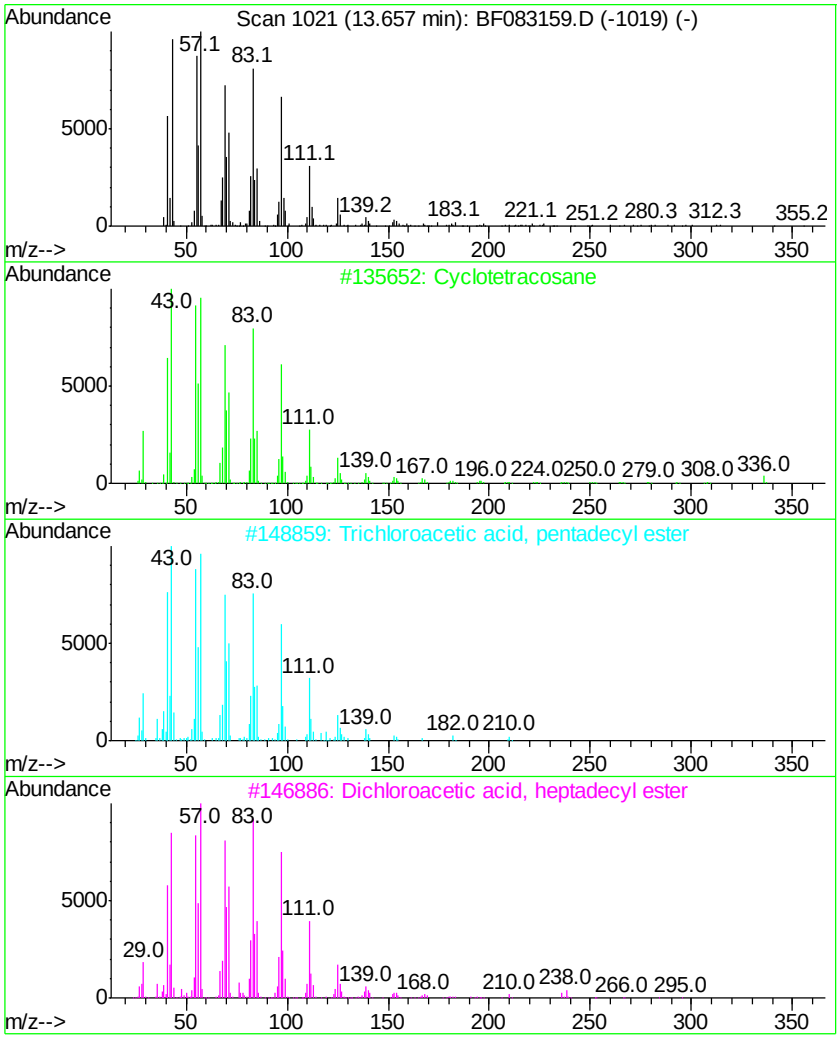
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

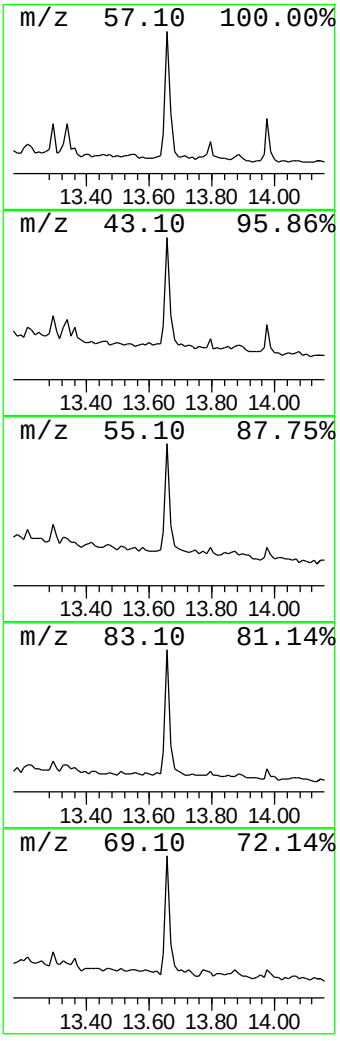
****

Peak Number 20 Cyclotetracosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	7.99 ng	529132	Chrysene-d12	13.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	95
2	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91
4	1-Nonadecene	266	C19H38	018435-45-5	91
5	1-Tricosene	322	C23H46	018835-32-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112215\
Data File : BF083159.D
Acq On : 22 Nov 2015 15:18
Operator : UM/IZ
Sample : G4504-07
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-06

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.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...	4.79	11.1	ng	716974	1	6.65	1286740	20.0
unknown6.42	6.42	65.3	ng	4204520	1	6.65	1286740	20.0
Indane	6.83	6.8	ng	436713	1	6.65	1286740	20.0
Benzo[b]thiophene...	8.41	19.7	ng	1737840	2	7.94	1767380	20.0
Benzo[b]thiophene...	8.60	8.5	ng	751214	2	7.94	1767380	20.0
Naphthalene, 1,6-...	9.28	9.6	ng	962447	3	9.69	1996480	20.0
Naphthalene, 2,3-...	9.35	12.4	ng	1240660	3	9.69	1996480	20.0
Naphthalene, 1,4-...	9.55	9.5	ng	949299	3	9.69	1996480	20.0
Naphthalene, 2-(1...	9.80	6.2	ng	622981	3	9.69	1996480	20.0
Naphthalene, 2,3,...	10.01	22.0	ng	2197420	3	9.69	1996480	20.0
Naphthalene, 1,6,...	10.08	7.9	ng	792460	3	9.69	1996480	20.0
1-Isopropenylnaph...	10.30	11.9	ng	1190710	3	9.69	1996480	20.0
Tridecane, 3-methyl-	10.35	6.9	ng	689619	3	9.69	1996480	20.0
unknown10.63	10.63	11.2	ng	1230700	4	11.16	2204080	20.0
n-Hexadecanoic acid	11.74	8.6	ng	951356	4	11.16	2204080	20.0
9-Eicosene, (E)-	12.23	8.2	ng	903245	4	11.16	2204080	20.0
Octadecanoic acid	12.51	11.9	ng	785900	5	13.79	1324660	20.0
Cyclotetracosane	13.66	8.0	ng	529132	5	13.79	1324660	20.0