LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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-BF101015.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	4.994	248	250	256	rBV	316853	392230	15.50%	1.671%
2	5.086	256	258	262	rVB	29595	31298	1.24%	0.133%
3	5.429	285	288	290	rBV	625599	873466	34.51%	3.722%
4	5.829	321	323	326	rVB	37778	32772	1.29%	0.140%
5	5.977	333	336	339	rVB2	43375	56149	2.22%	0.239%
6	6.469	377	379	381	rBV	464119	537377	21.23%	2.290%
7	6.503	381	382	385	rVB	20427	27023	1.07%	0.115%
8	6.595	388	390	393	rBV	1385358	1608300	63.55%	6.854%
9	6.777	403	406	409	rVB2	26533	42232	1.67%	0.180%
10	6.835	409	411	413	rBV	322558	359242	14.19%	1.531%
11	6.983	422	424	429	rBV	1410554	1748988	69.11%	7.453%
12	7.075	430	432	435	rVV2	27103	35407	1.40%	0.151%
13	7.166	437	440	443	rVB2	36665	70642	2.79%	0.301%
14	7.360	453	457	458	rBV4	37829	63613	2.51%	0.271%
15	7.406	458	461	463	rVV	1354390	1521177	60.11%	6.482%
16	7.475	466	467	469	rVV	48748	53994	2.13%	0.230%
17	7.520	469	471	473	rVV	53091	64343	2.54%	0.274%
18	7.600	477	478	480	rVV	135562	120269	4.75%	0.513%
19	7.646	480	482	484	rVV2	40826	60561	2.39%	0.258%
20	7.680	484	485	486	rVV	46279	36269	1.43%	0.155%
21	7.726	486	489	491	rVV3	14605	34606	1.37%	0.147%
22	7.783	491	494	498	rVB3	57903	175591	6.94%	0.748%
23	7.852	498	500	503	rBV	134257	161611	6.39%	0.689%
24	7.920	505	506	508	rVB2	32813	32329	1.28%	0.138%
25	8.057	513	518	519	rBV3	53367	114955	4.54%	0.490%
26	8.115	519	523	526	rBV2	473110	776507	30.68%	3.309%
27	8.160	526	527	529	rVV	195339	176500	6.97%	0.752%
28	8.206	529	531	532	rVB2	42181	53558	2.12%	0.228%
29	8.240	532	534	536	rBV	39989	47908	1.89%	0.204%
30	8.320	538	541	543	rVB3	44459	65905	2.60%	0.281%
31	8.366	543	545	546	rBV	34654	52190	2.06%	0.222%
32	8.400	546	548	550	rVB2	24288	30141	1.19%	0.128%
33	8.503	555	557	560	rVB	85185	94309	3.73%	0.402%
34	8.583	560	564	567	rBV3	137129	287726	11.37%	1.226%

LSC Area Percent Report

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Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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-BF101015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.629	567	568	570	rVB2	38775	36006	1.42%	0.153%
36	8.675	570	572	573	rVB2	43813	40464	1.60%	0.172%
37	8.709	573	575	577	rVB2	71002	79489	3.14%	0.339%
38	8.743	577	578	579	rBV	29118	31746	1.25%	0.135%
39	8.789	579	582	583	rBV2	154868	167285	6.61%	0.713%
40	8.869	585	589	590	rVB4	30057	64541	2.55%	0.275%
41	8.926	590	594	596	rBV2	213560	376326	14.87%	1.604%
42	9.018	600	602	603	rBV	62188	76367	3.02%	0.325%
43	9.063	605	606	608	rVB	61315	61540	2.43%	0.262%
44	9.155	612	614	615	rBV2	35066	32692	1.29%	0.139%
45	9.200	615	618	620	rBV	2709337	2530856	100.00%	10.785%
46	9.246	620	622	624	rVB3	38974	32445	1.28%	0.138%
47	9.303	624	627	629	rBV3	45066	105385	4.16%	0.449%
48	9.338	629	630	631	rVB	43929	30113	1.19%	0.128%
49	9.372	631	633	634	rBV2	68409	95727	3.78%	0.408%
50	9.406	634	636	638	rVB	199297	209882	8.29%	0.894%
51	9.463	638	641	642	rBV	144262	178510	7.05%	0.761%
52	9.532	642	647	649	rBV5	148697	327030	12.92%	1.394%
53	9.669	656	659	661	rBV2	133266	236685	9.35%	1.009%
54	9.738	663	665	666	rBV	186634	221030	8.73%	0.942%
55	9.875	673	677	679	rBV	734677	828965	32.75%	3.533%
56	9.909	679	680	681	rVV	122709	109295	4.32%	0.466%
57	9.989	685	687	688	rVV	47829	69741	2.76%	0.297%
58	10.035	689	691	693	rVV3	78667	142639	5.64%	0.608%
59	10.115	696	698	699	rVB2	60732	78236	3.09%	0.333%
60	10.149	699	701	702	rBV2	68708	117189	4.63%	0.499%
61	10.195	702	705	707	rVV3	143851	303009	11.97%	1.291%
62	10.275	710	712	713	rVV2	64030	108919	4.30%	0.464%
63	10.298	713	714	716	rVB2	99431	91268	3.61%	0.389%
64	10.423	723	725	728	rBV3	111674	187374	7.40%	0.798%
65	10.503	728	732	736	rVV4	99098	251761	9.95%	1.073%
66	10.629	740	743	744	rVV	218544	262422	10.37%	1.118%
67	10.675	744	747	748	rVV2	1093889	1564541	61.82%	6.667%
68	10.698	748	749	752	rVB3	58713	92211	3.64%	0.393%
69	10.881	762	765	767	rBV2	124480	197545	7.81%	0.842%
70	10.972	770	773	774	rBV3	51605	81810	3.23%	0.349%
71	11.224	793	795	796	rBV2	42975	50093	1.98%	0.213%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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-BF101015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.338	803	805	806	rBV2	50205	78745	3.11%	0.336%
73	11.361	806	807	813	rVB	603881	595290	23.52%	2.537%
74	11.898	852	854	859	rVB2	168175	198618	7.85%	0.846%
75	12.687	921	923	926	rBV	62218	74477	2.94%	0.317%
76	12.949	944	946	949	rBV	1878800	2126673	84.03%	9.062%
77	13.555	997	999	1001	rVB	47550	57070	2.25%	0.243%
78	13.841	1022	1024	1030	rVB2	37800	63846	2.52%	0.272%
79	14.001	1036	1038	1041	rBV	485197	482864	19.08%	2.058%
80	15.441	1161	1164	1171	rVB	356350	478836	18.92%	2.040%

Sum of corrected areas: 23466744

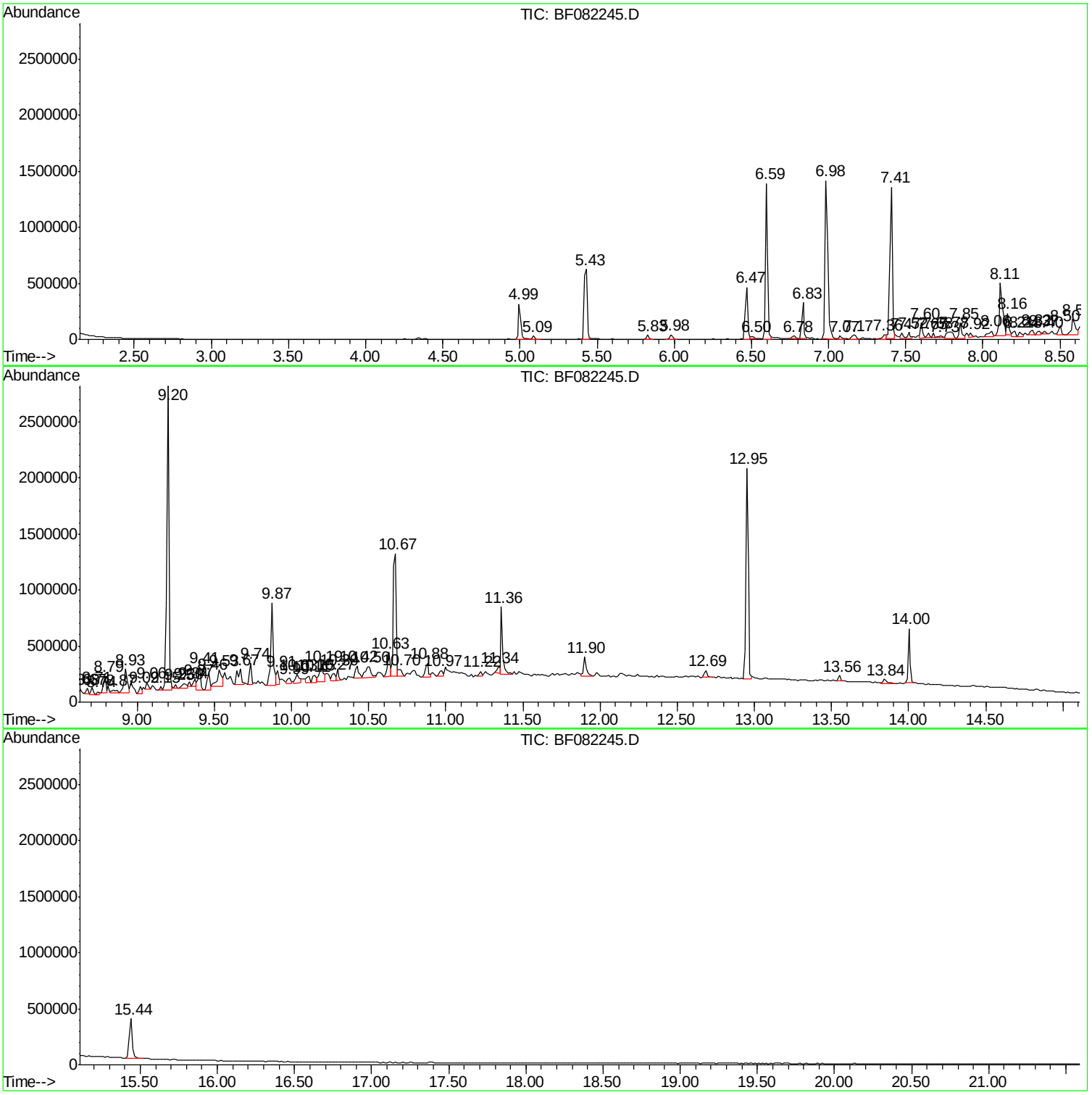
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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\BF101315\
Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

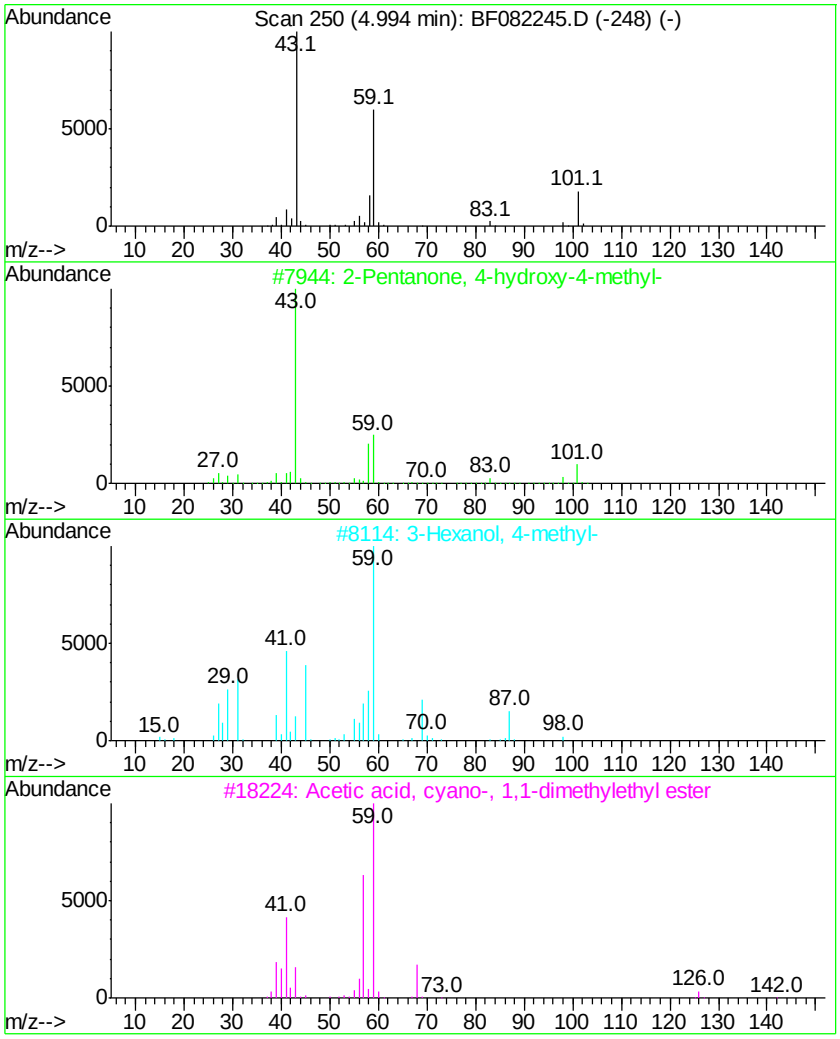
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

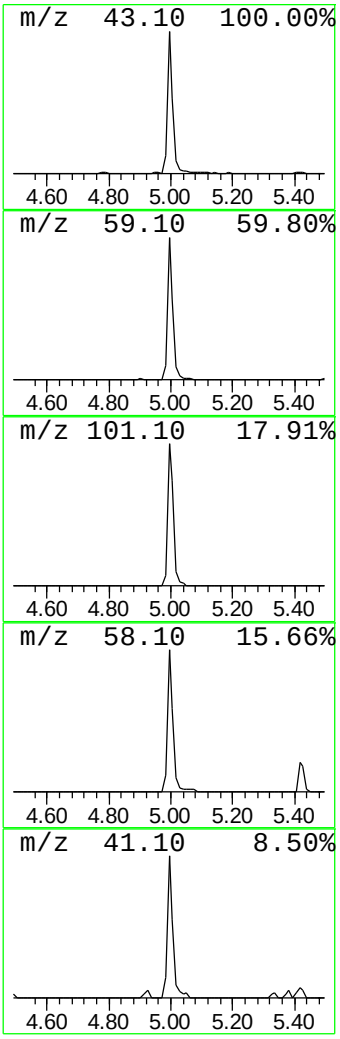
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	21.84 ng	392230	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

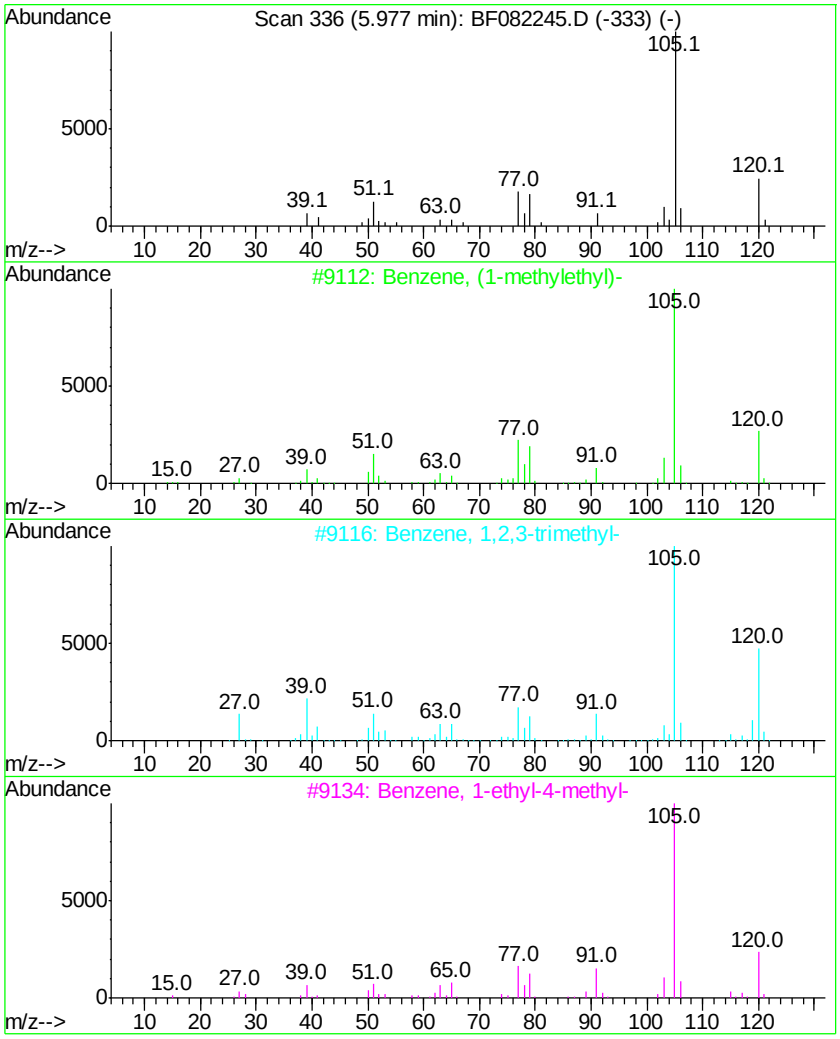
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

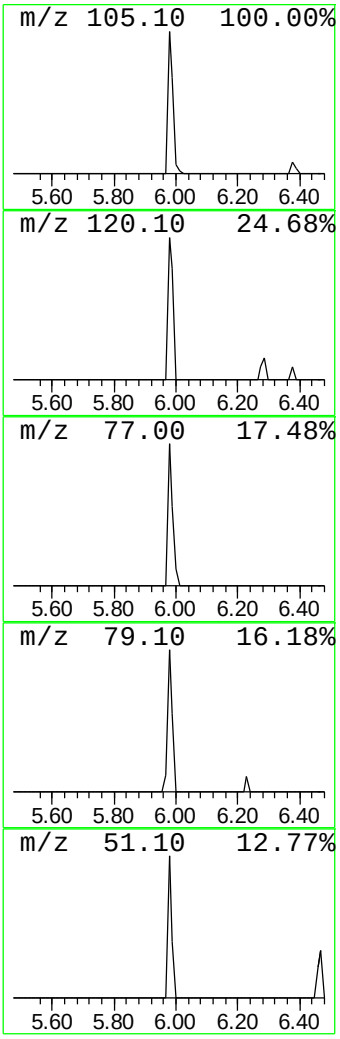
****

Peak Number 2 Benzene, (1-methylethyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	3.13 ng	56149	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	80
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
5	2,4-Nonadiyne	120	C9H12	063621-15-8	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

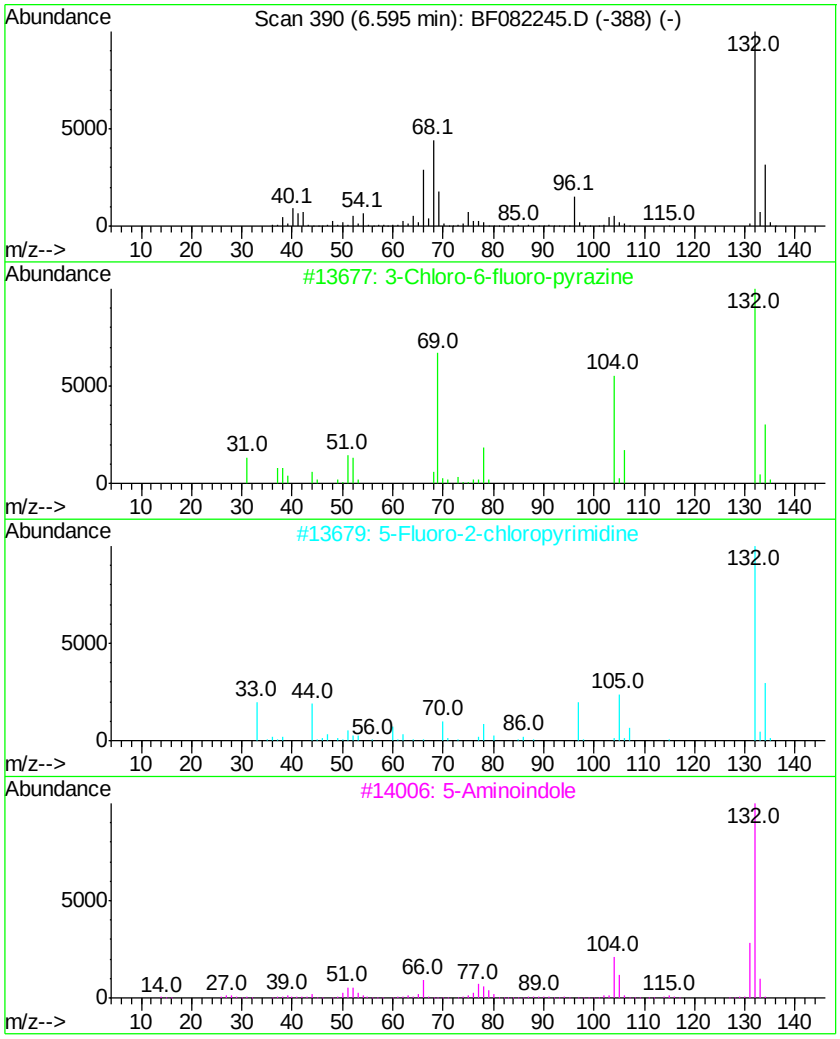
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

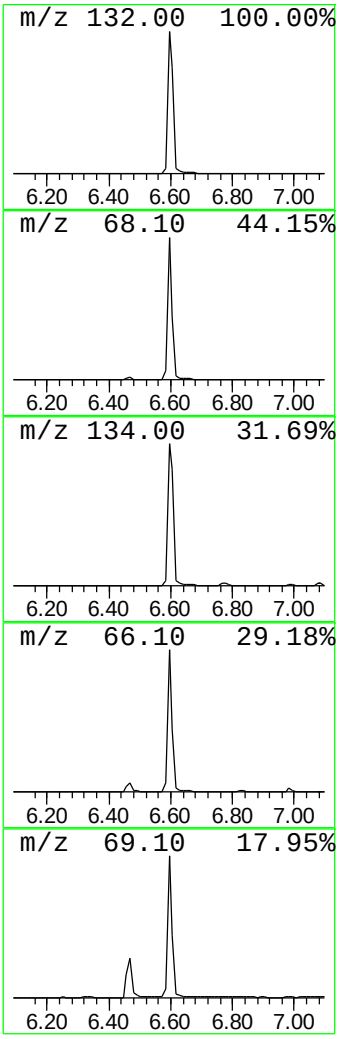
****

Peak Number 3 3-Chloro-6-fluoro-pyrazine Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	89.54 ng	1608300	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
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Acq On : 13 Oct 2015 6:00
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Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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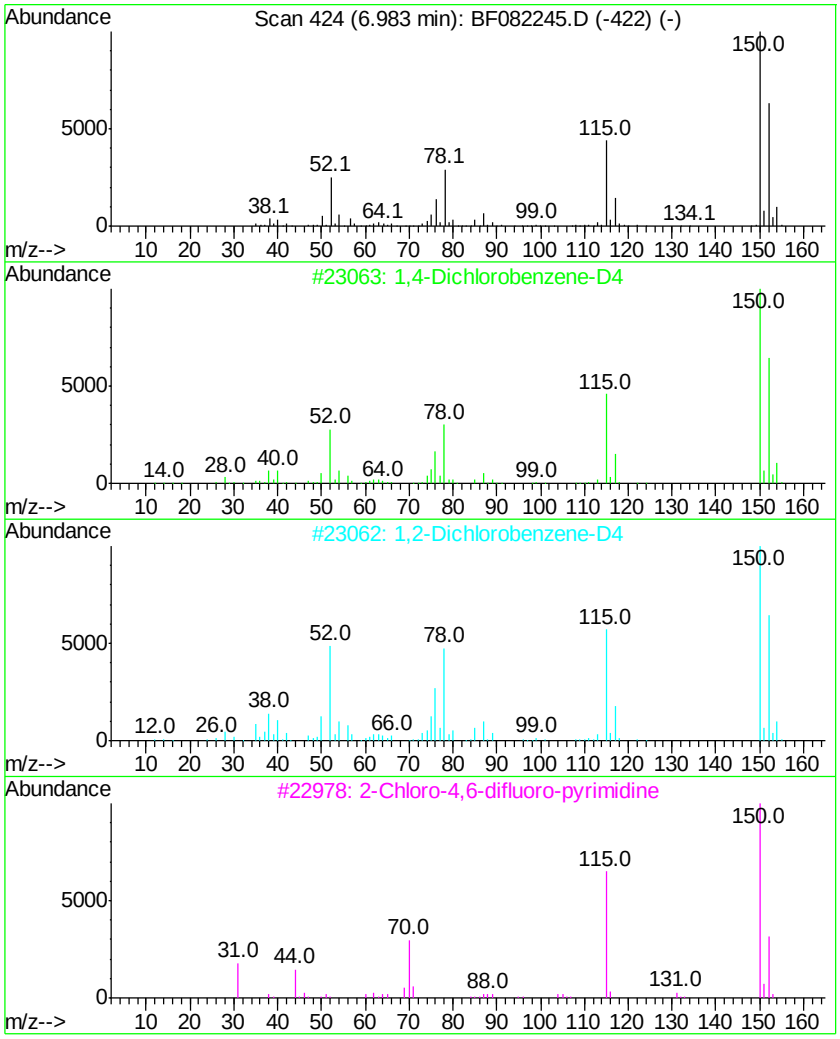
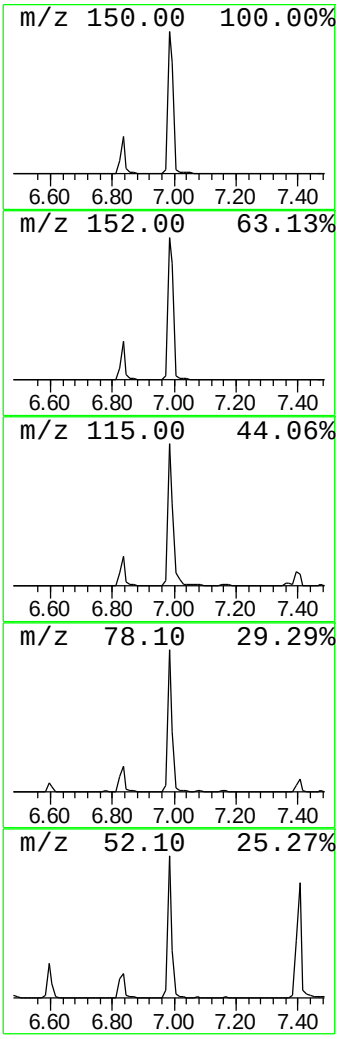
Peak Number 4 1,4-Dichlorobenzene-D4 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	97.37 ng	1748990	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-D4	150	C6D4Cl2	003855-82-1	94
2	1,2-Dichlorobenzene-D4	150	C6D4Cl2	002199-69-1	91
3	2-Chloro-4,6-difluoro-pyrimidine	150	C4HClF2N2	038953-30-9	35
4	2-Bromo-2'-nitroacetophenone	243	C8H6BrNO3	006851-99-6	14
5	2-Cyclohexene-1,4-dione, 5,6-dic...	370	C15H12Cl2N2O5	324051-46-9	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

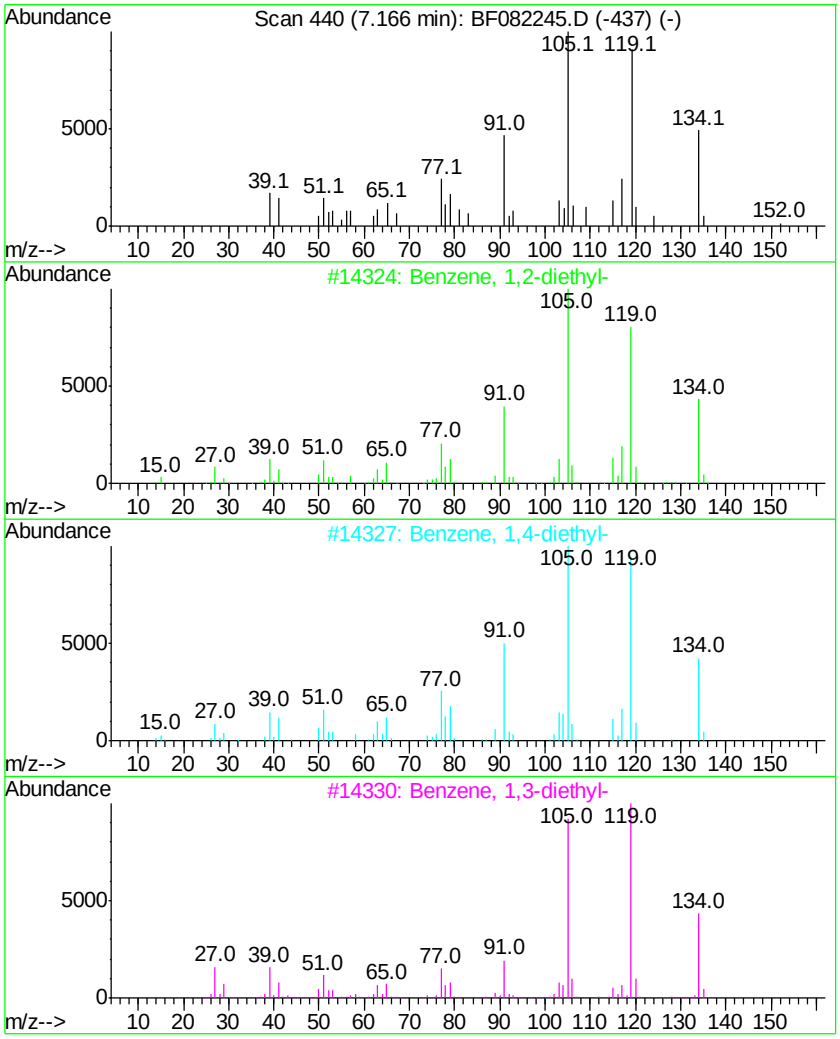
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

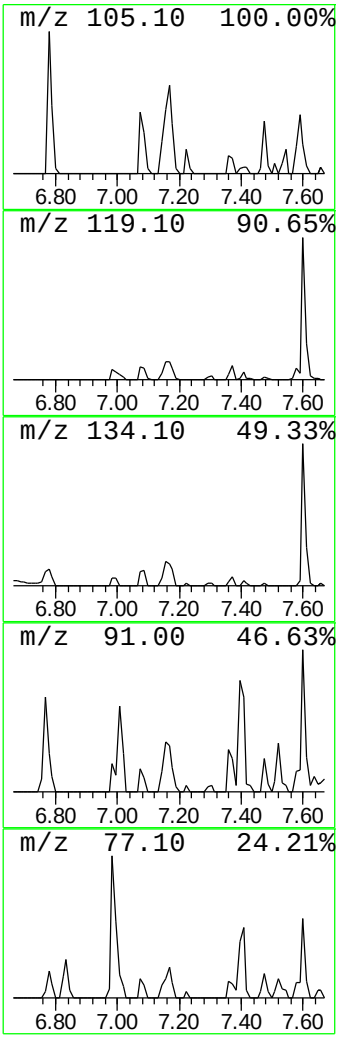
****

Peak Number 5 Benzene, 1,2-diethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	3.93 ng	70642	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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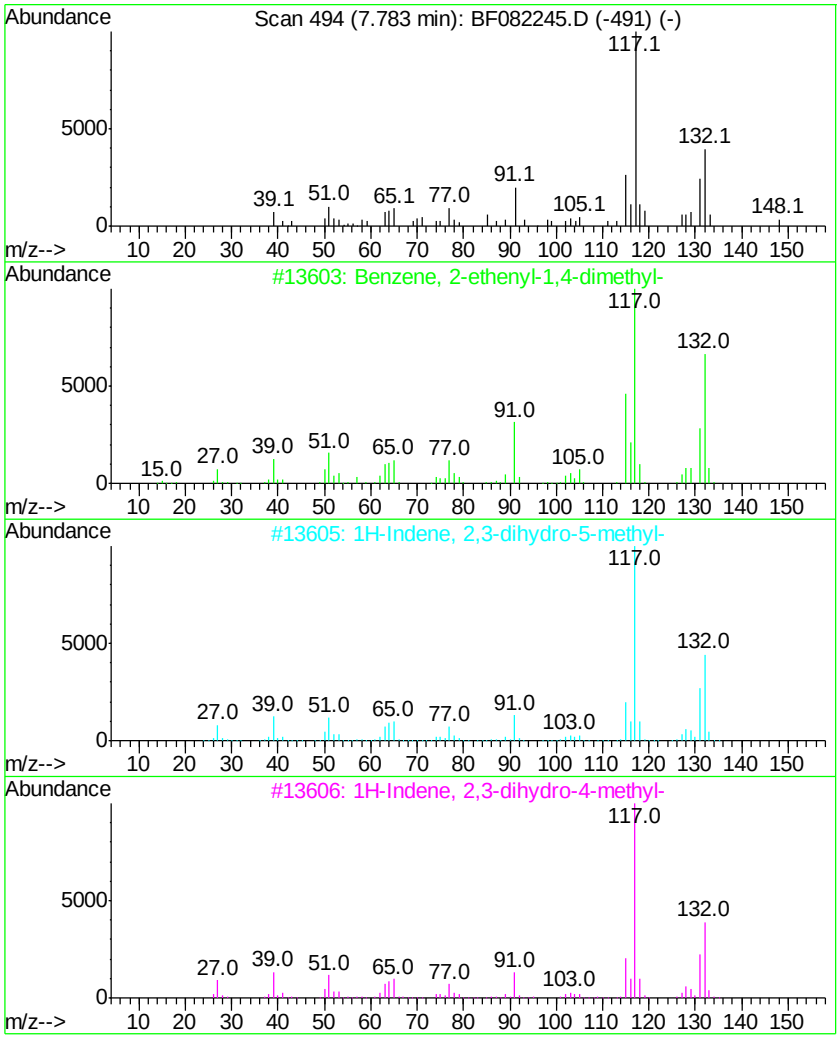
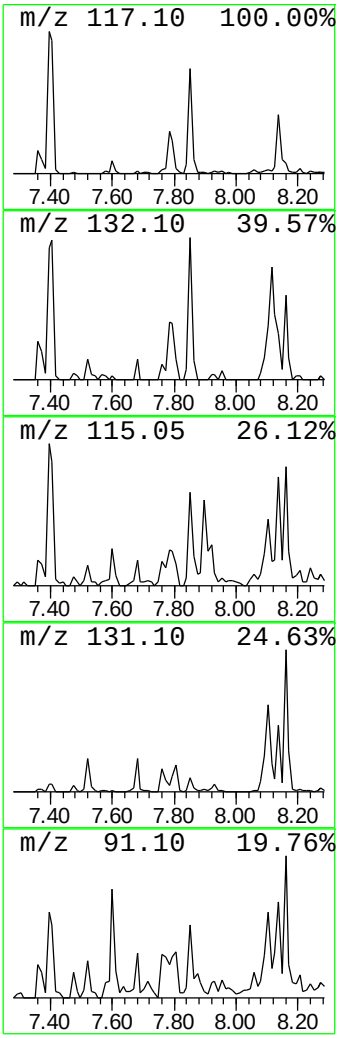
Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	4.52 ng	175591	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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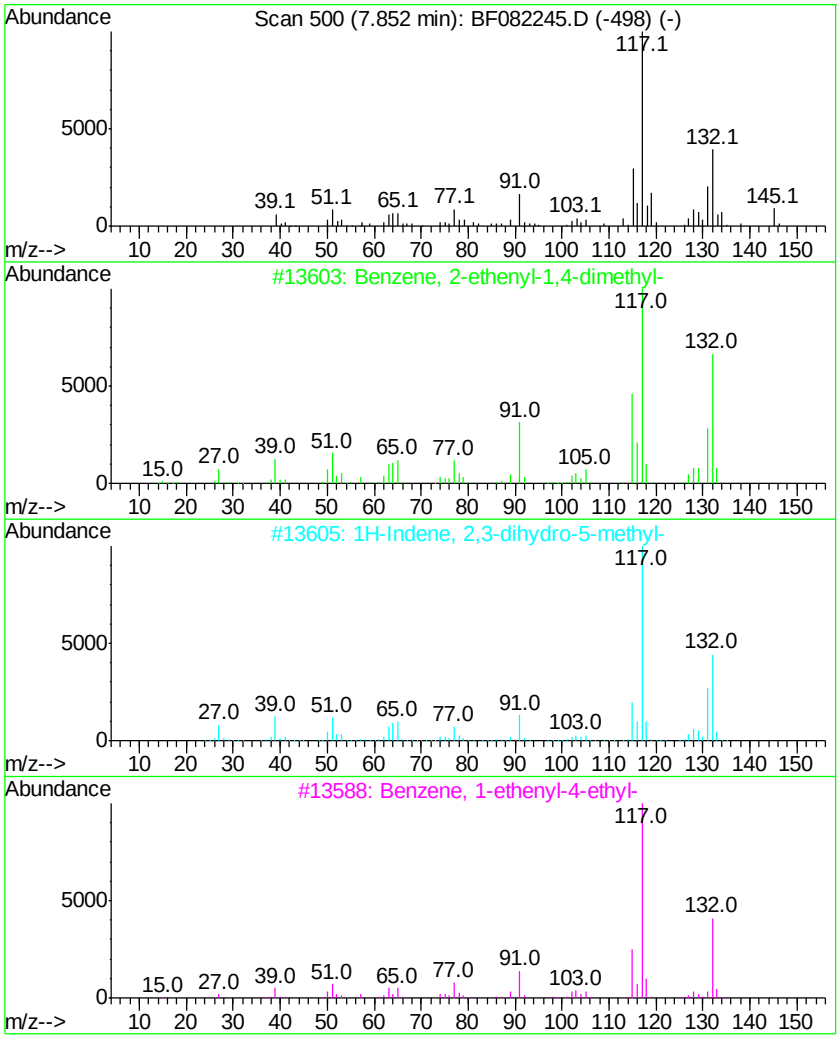
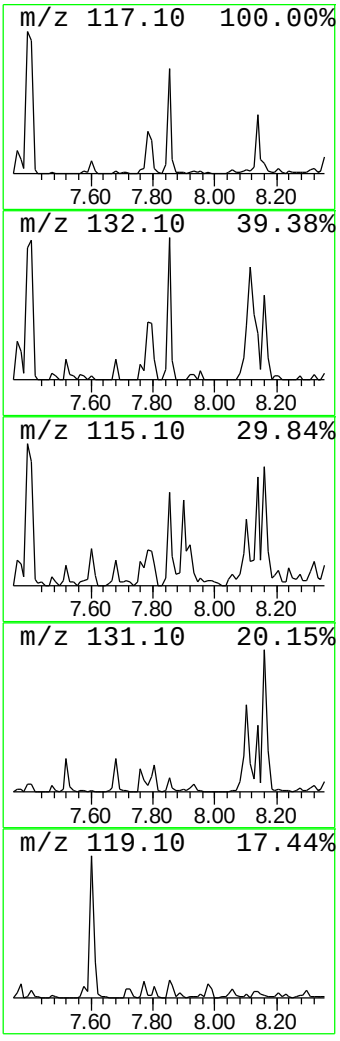
Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	4.16 ng	161611	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81





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Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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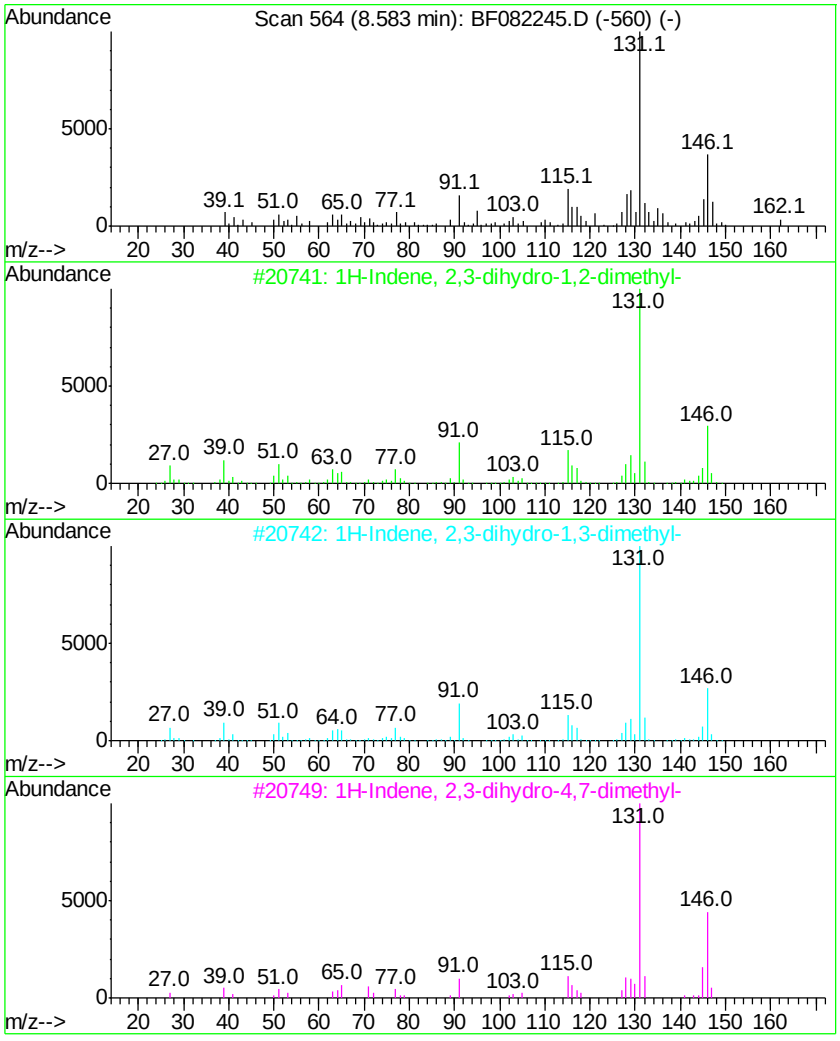
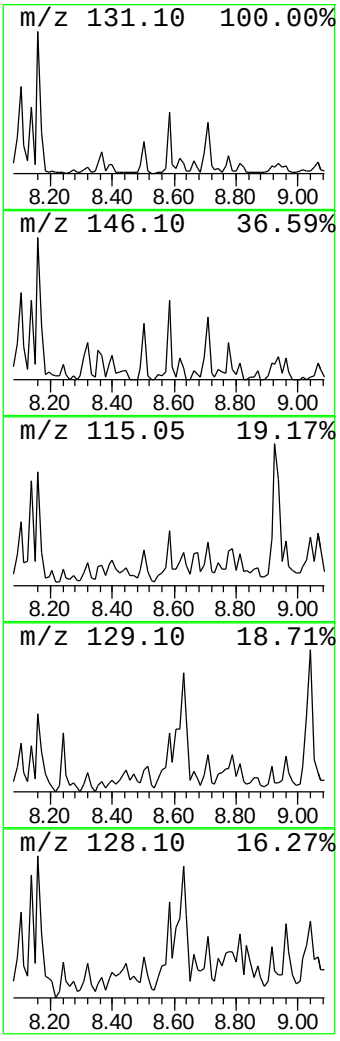
Peak Number 8 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	7.41 ng	287726	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	87
5	.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	87





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Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

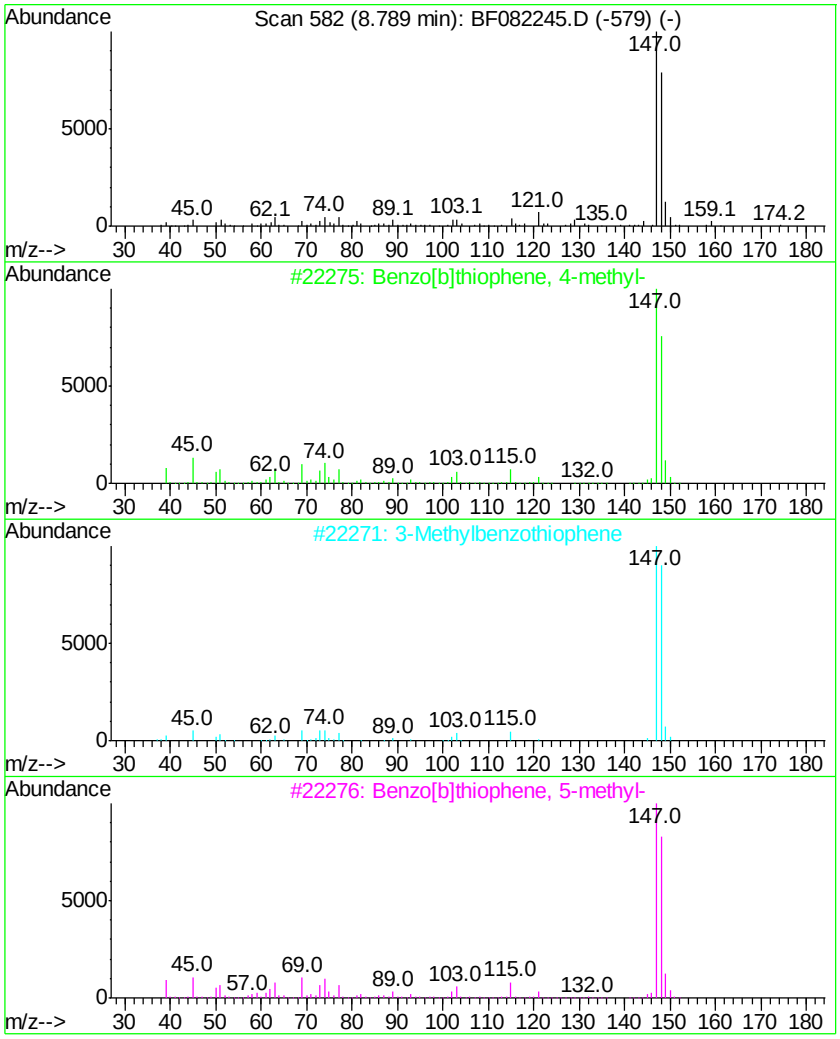
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

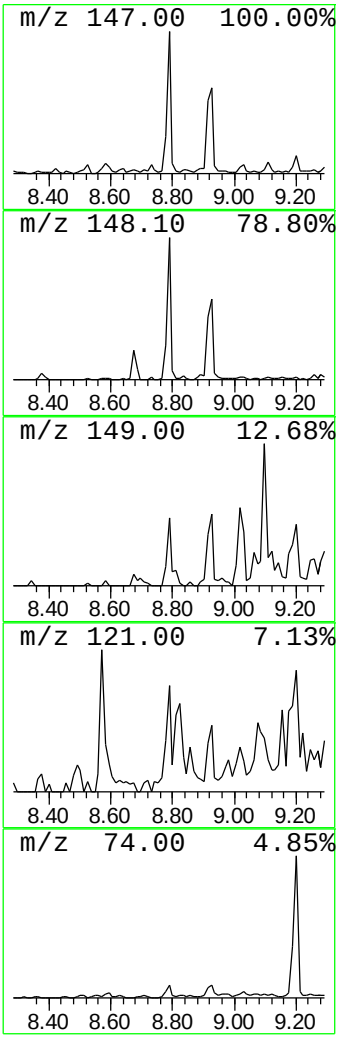
****

Peak Number 9 Benzo[b]thiophene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.79	4.31 ng	167285	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	87
2	3-Methylbenzothiophene	148	C9H8S	001455-18-1	86
3	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	78
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	78
5	Benzaldehyde, 2,4,5-trimethyl-	148	C10H12O	005779-72-6	72





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Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

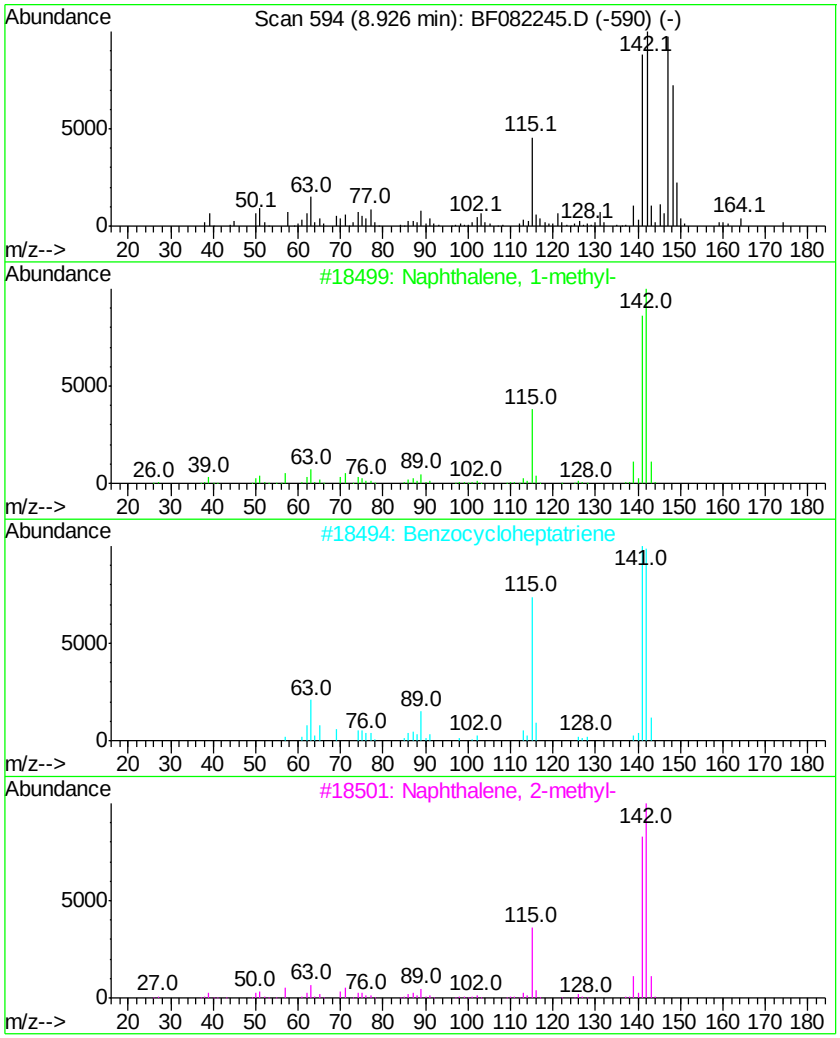
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

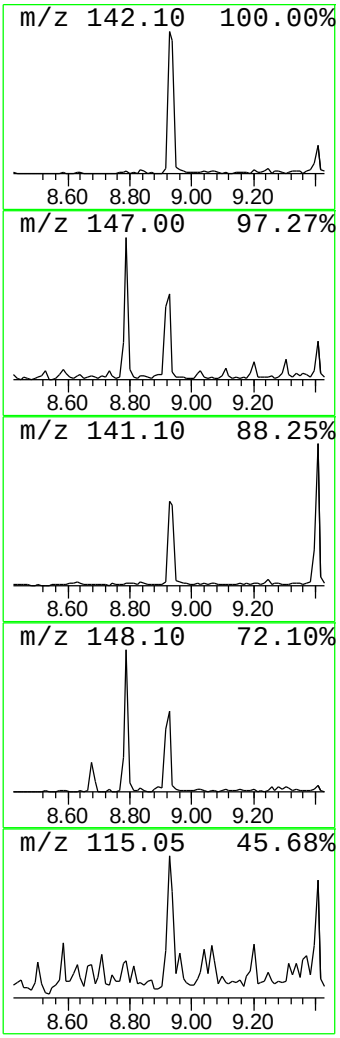
****

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	9.69 ng	376326	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
2	Benzocycloheptatriene	142	C11H10	000264-09-5	89
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	87
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	55
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	55





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Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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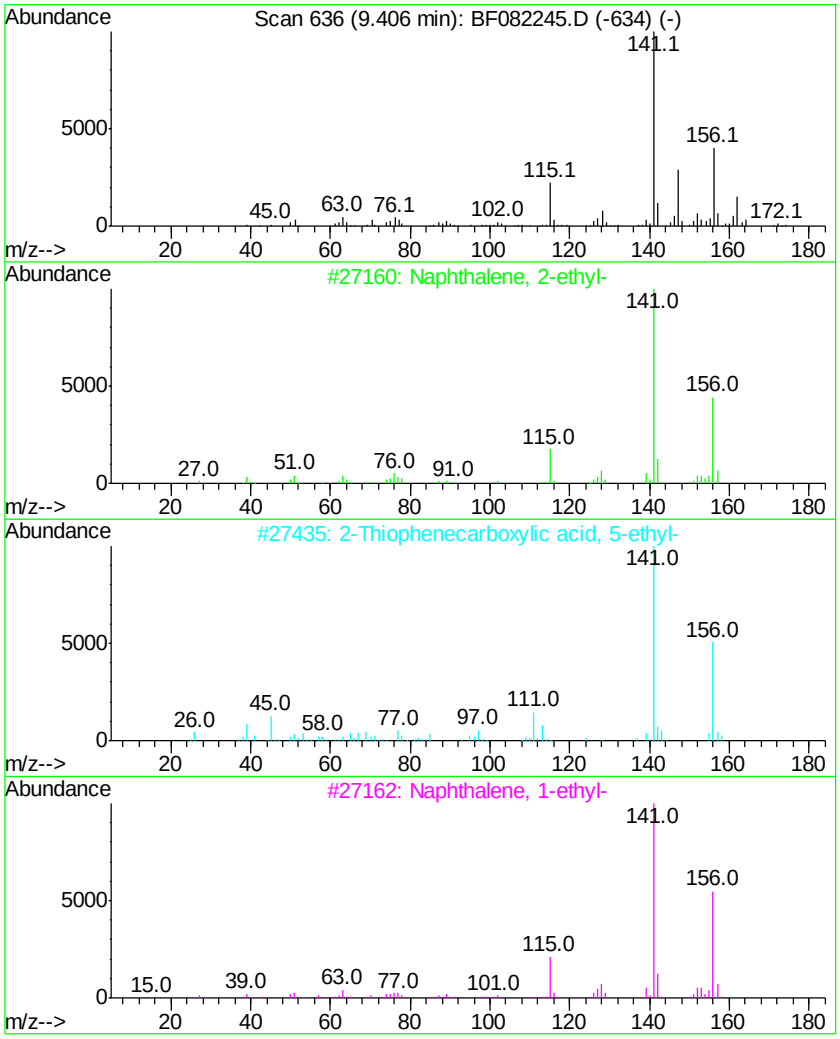
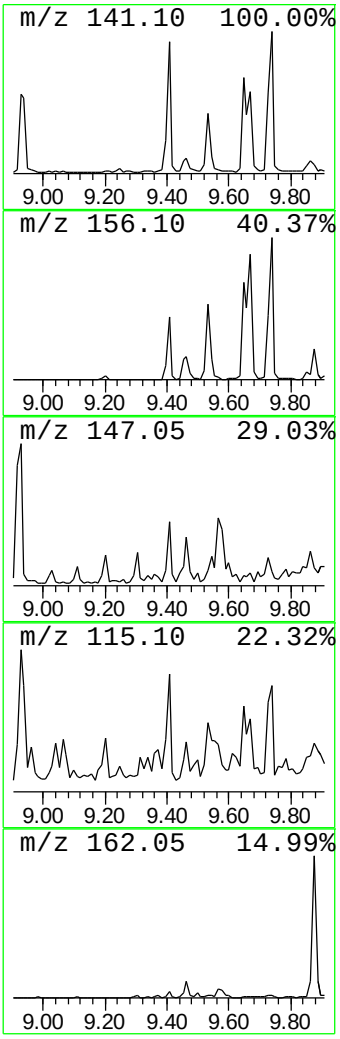
Peak Number 11 Naphthalene, 2-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	5.06 ng	209882	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	81
2	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	58
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	55
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	40
5	Naphthalene, 1-propyl-	170	C13H14	002765-18-6	37





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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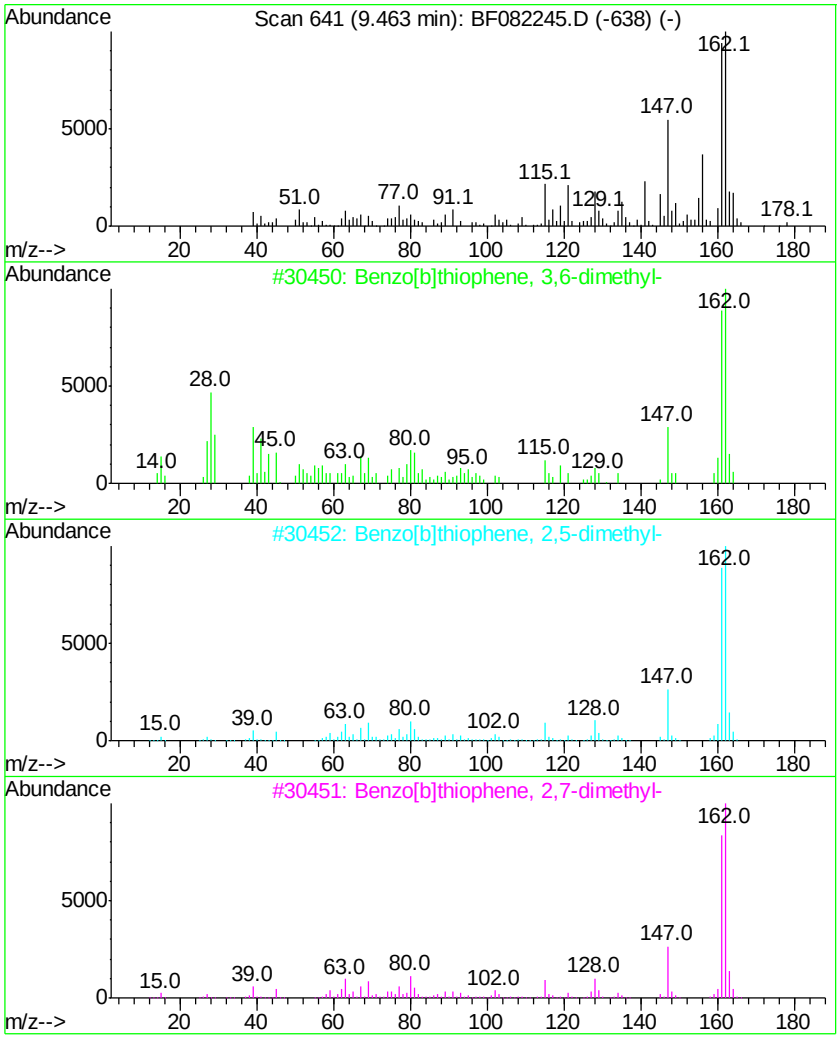
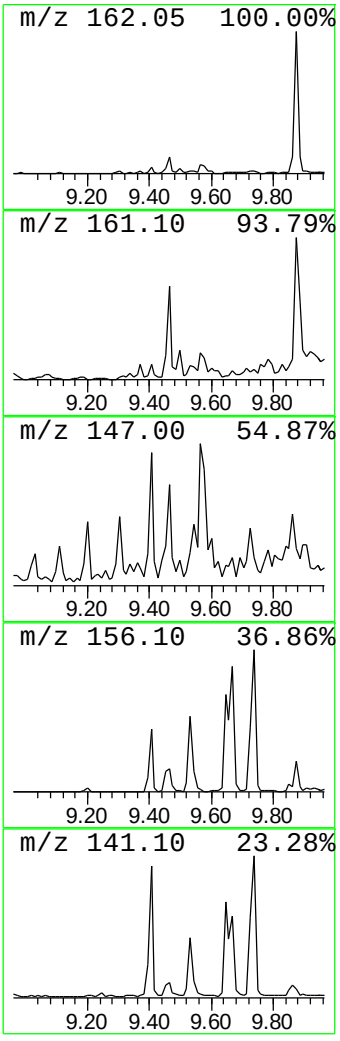
Peak Number 12 Benzo[b]thiophene, 3,6-dime... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	4.31 ng	178510	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 3,6-dimethyl-	162	C10H10S	016587-50-1	50
2	Benzo[b]thiophene, 2,5-dimethyl-	162	C10H10S	016587-48-7	50
3	Benzo[b]thiophene, 2,7-dimethyl-	162	C10H10S	016587-40-9	50
4	Benzene, 1-methoxy-4-(1-methyl-2...	162	C11H14O	018272-83-8	43
5	5-Hydroxy-3-methyl-1-indanone	162	C10H10O2	057878-30-5	38





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Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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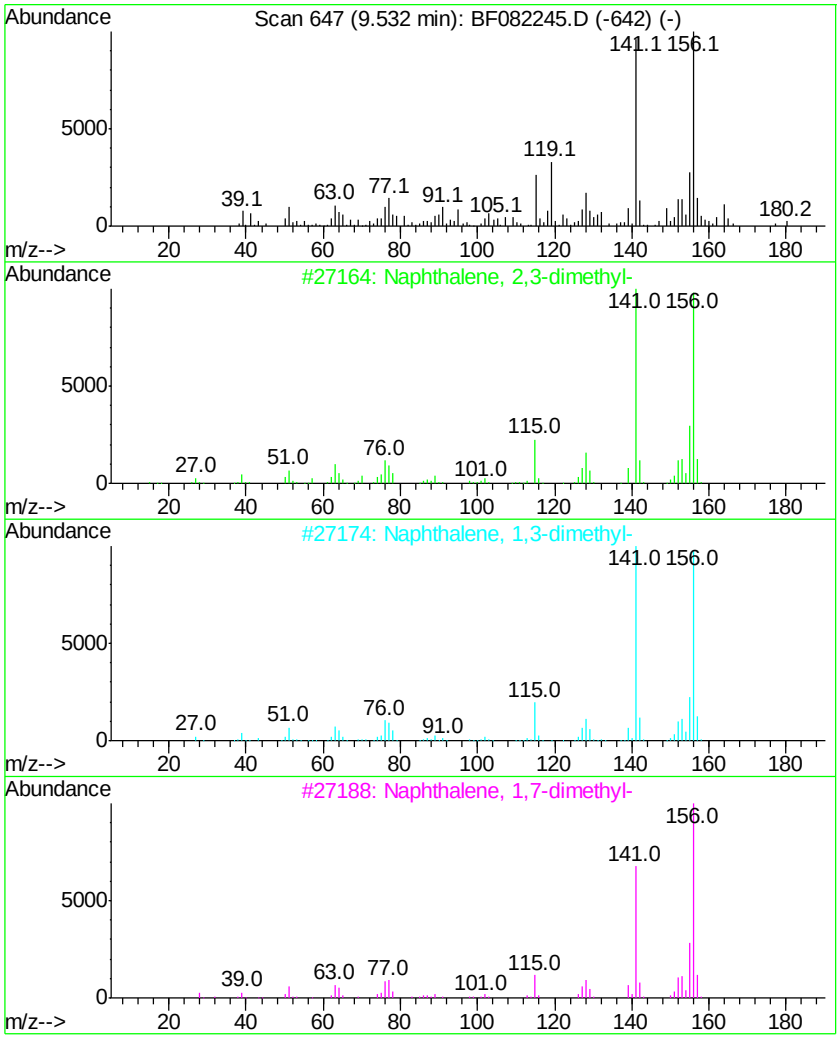
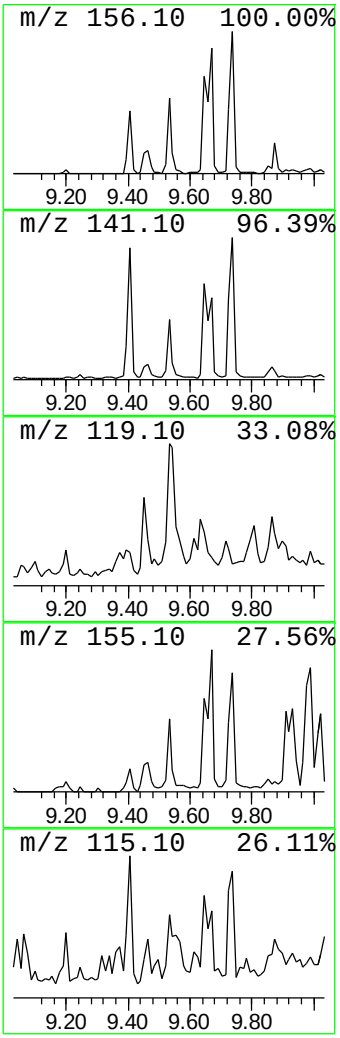
Peak Number 13 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	7.89 ng	327030	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

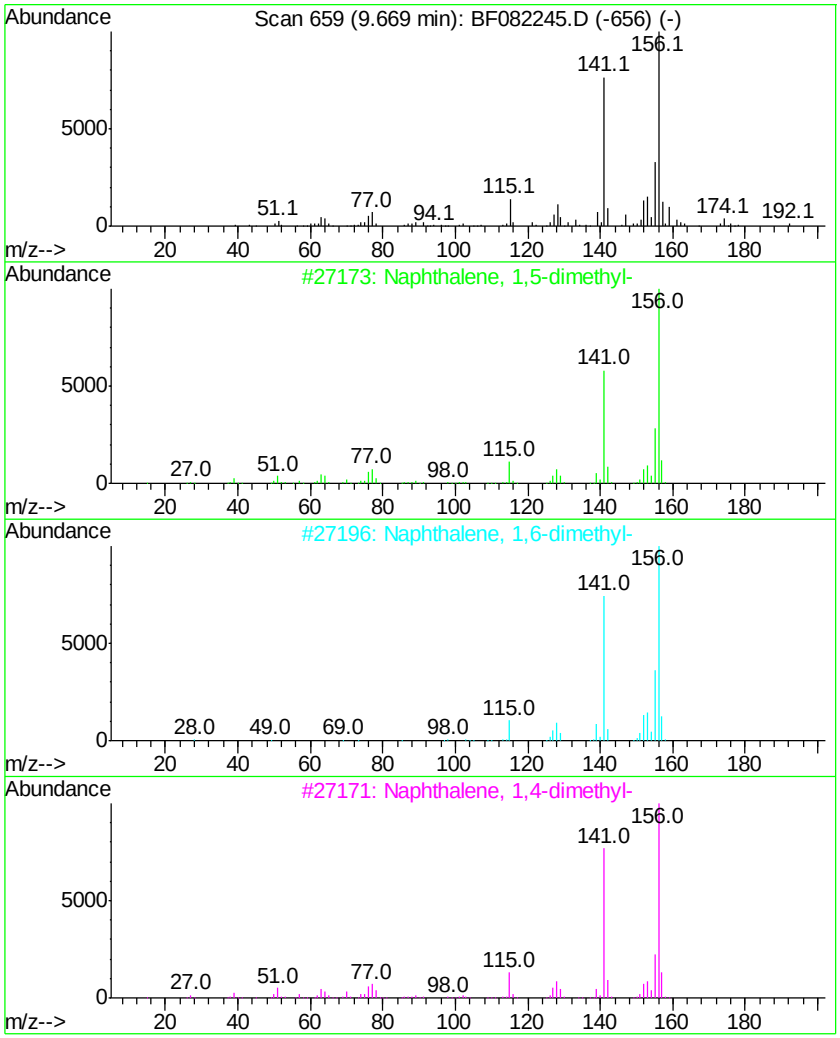
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

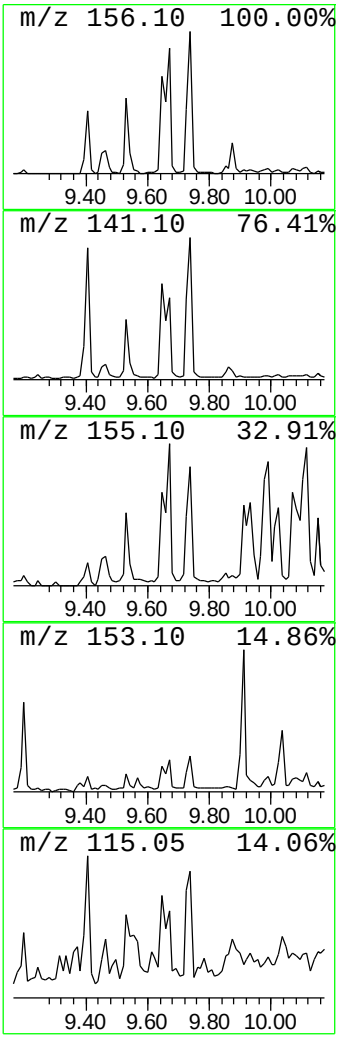
****

Peak Number 14 Naphthalene, 1,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	5.71 ng	236685	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





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Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

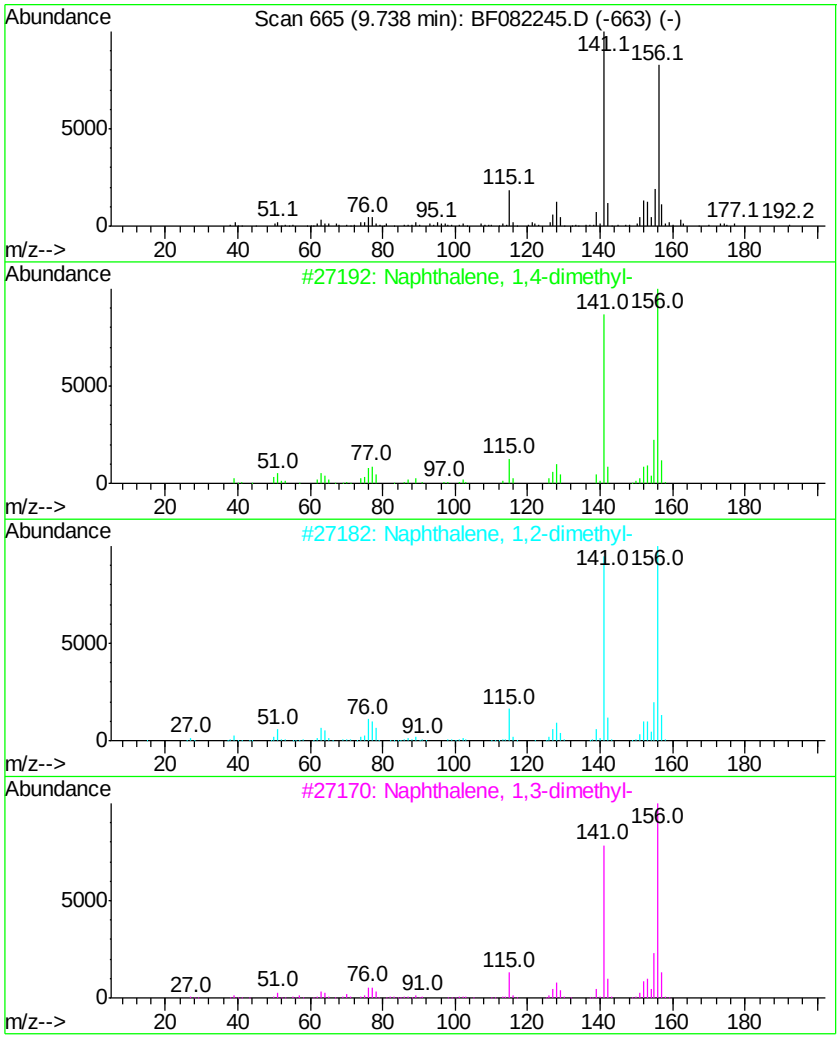
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

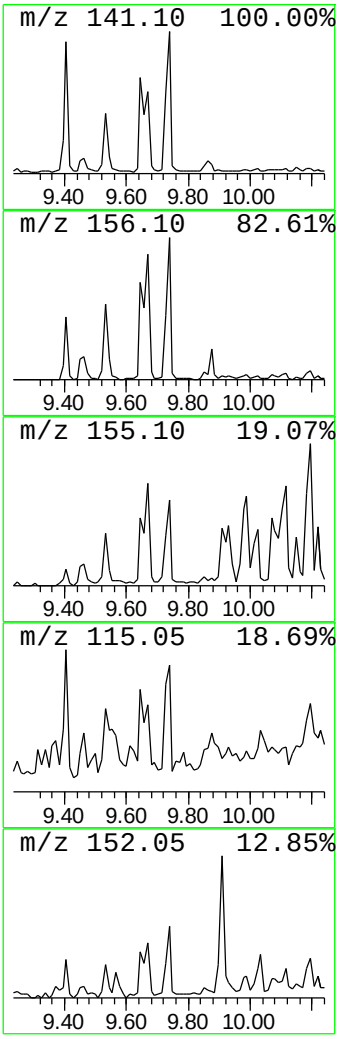
****

Peak Number 15 Naphthalene, 1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	5.33 ng	221030	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94





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Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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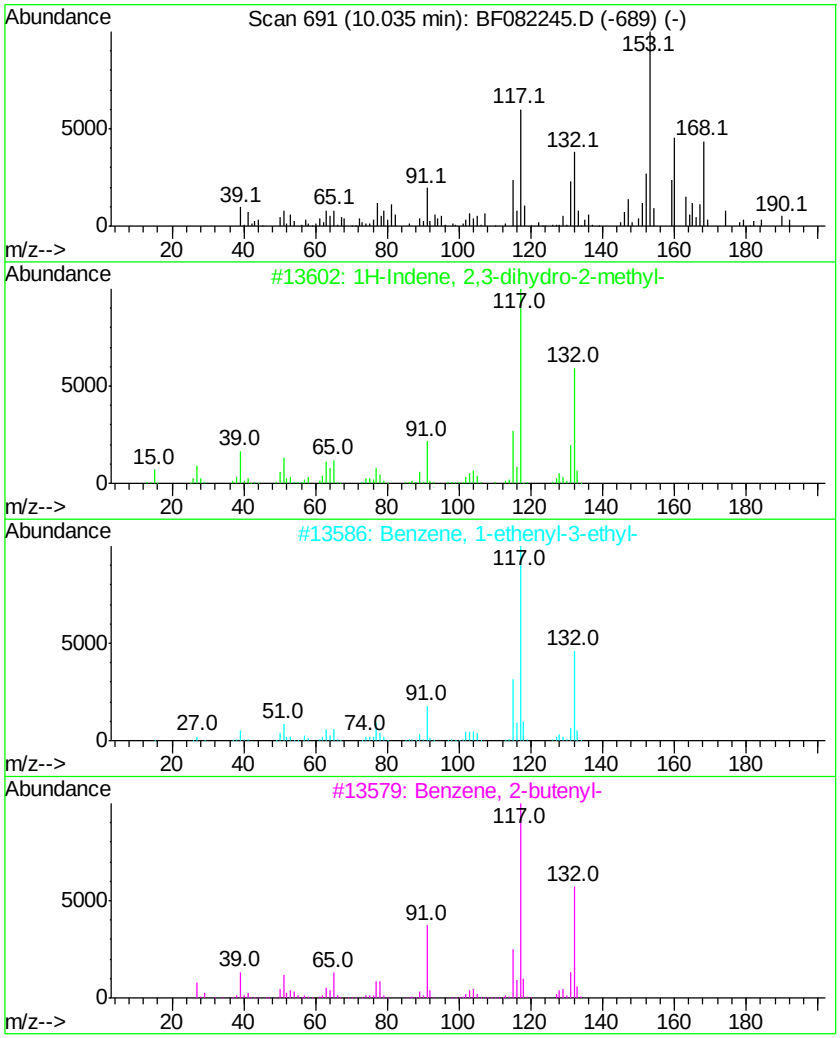
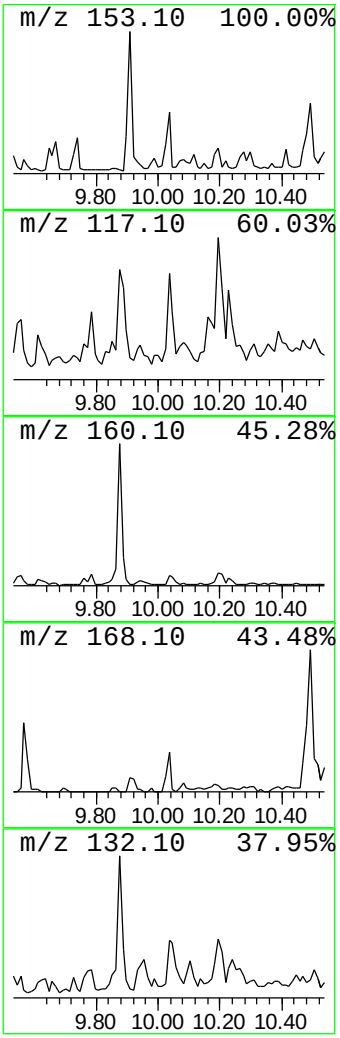
Peak Number 16 1H-Indene, 2,3-dihydro-2-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	3.44 ng	142639	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	25
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	25
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	25
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	25
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	25





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Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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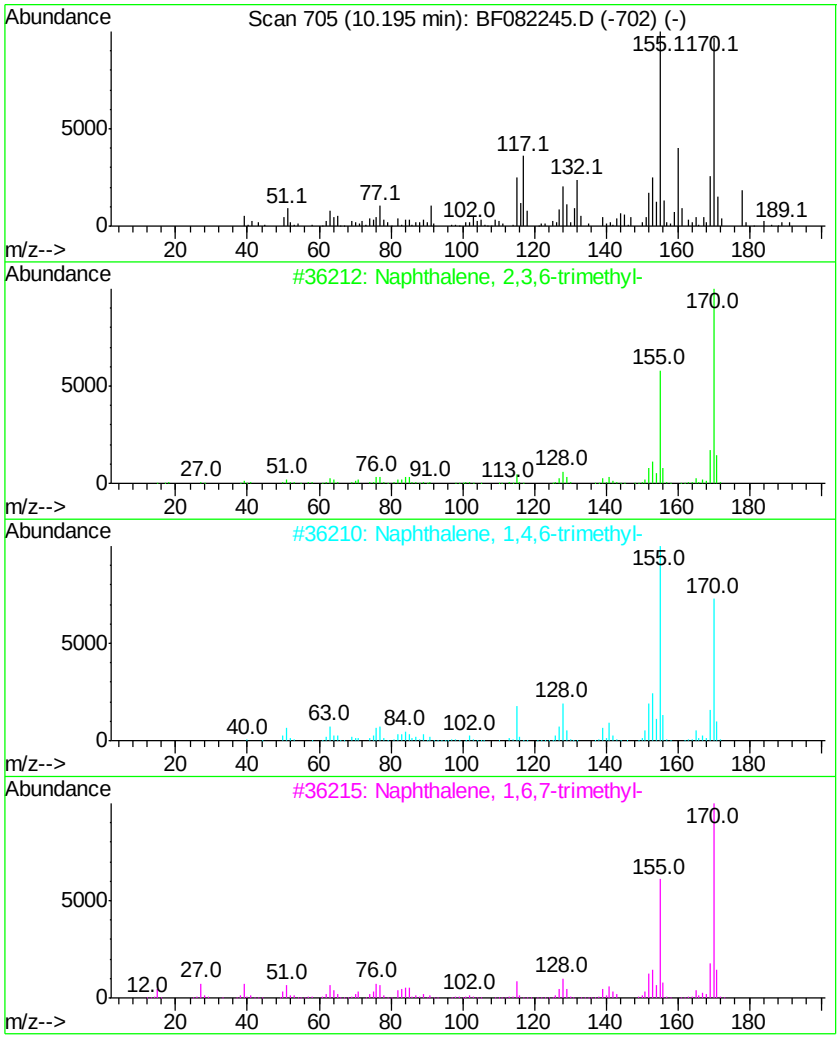
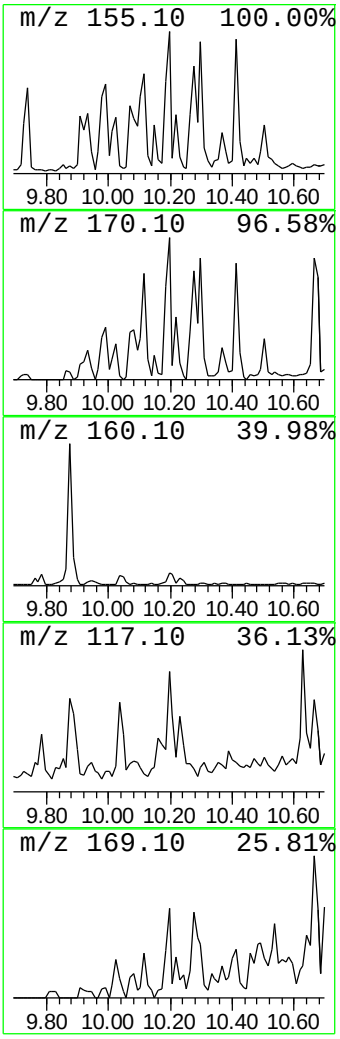
Peak Number 17 Naphthalene, 2,3,6-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.19	7.31 ng	303009	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	86
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	83
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	83





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Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

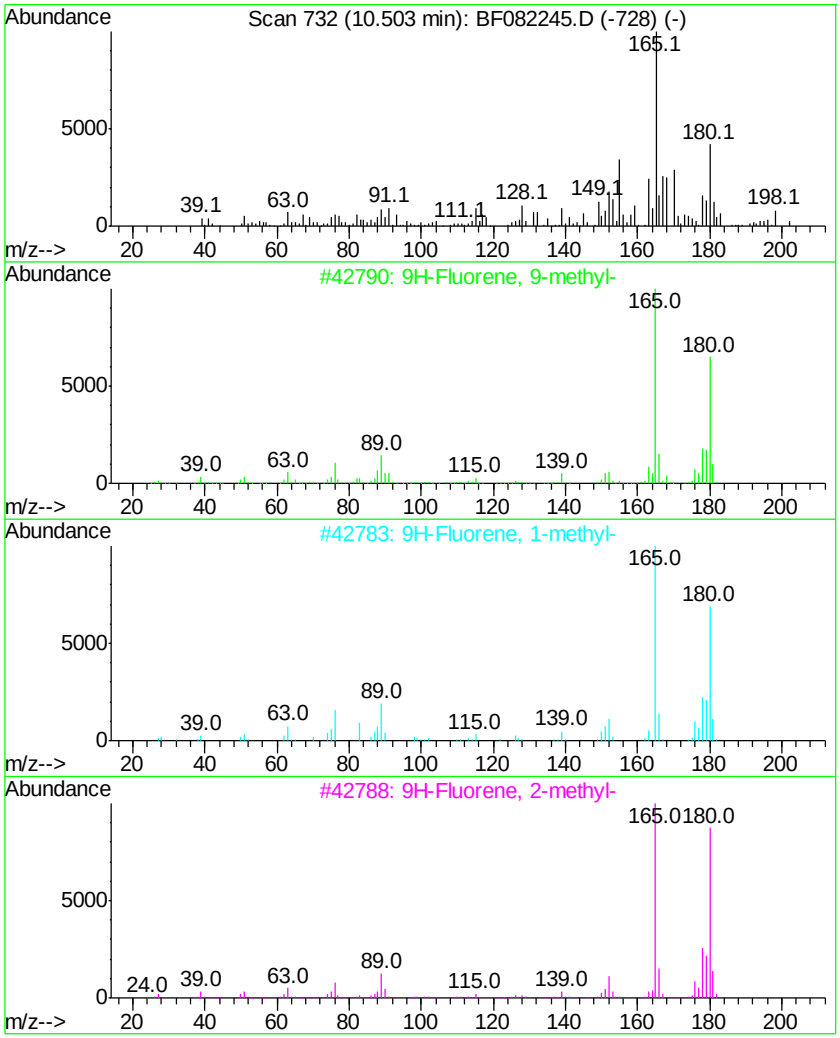
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

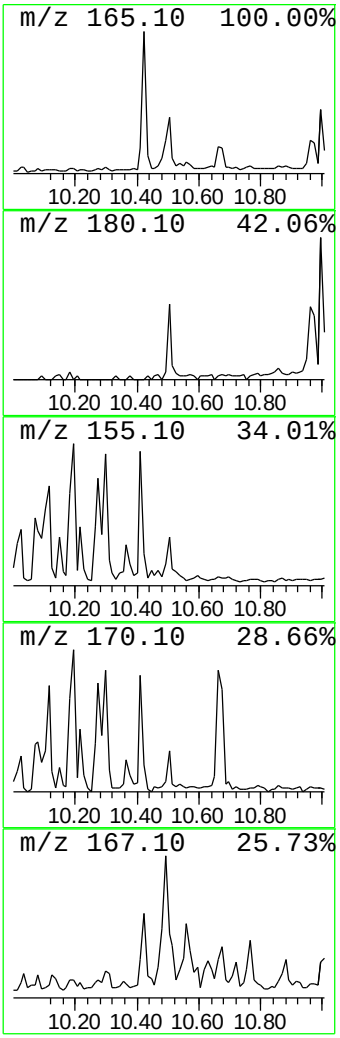
****

Peak Number 18 9H-Fluorene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	6.07 ng	251761	Acenaphthene-d10	9.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	55
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	55
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	55
4	3-Buten-2-one, 4-(4-chlorophenyl)-	180	C10H9ClO	003160-40-5	49
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

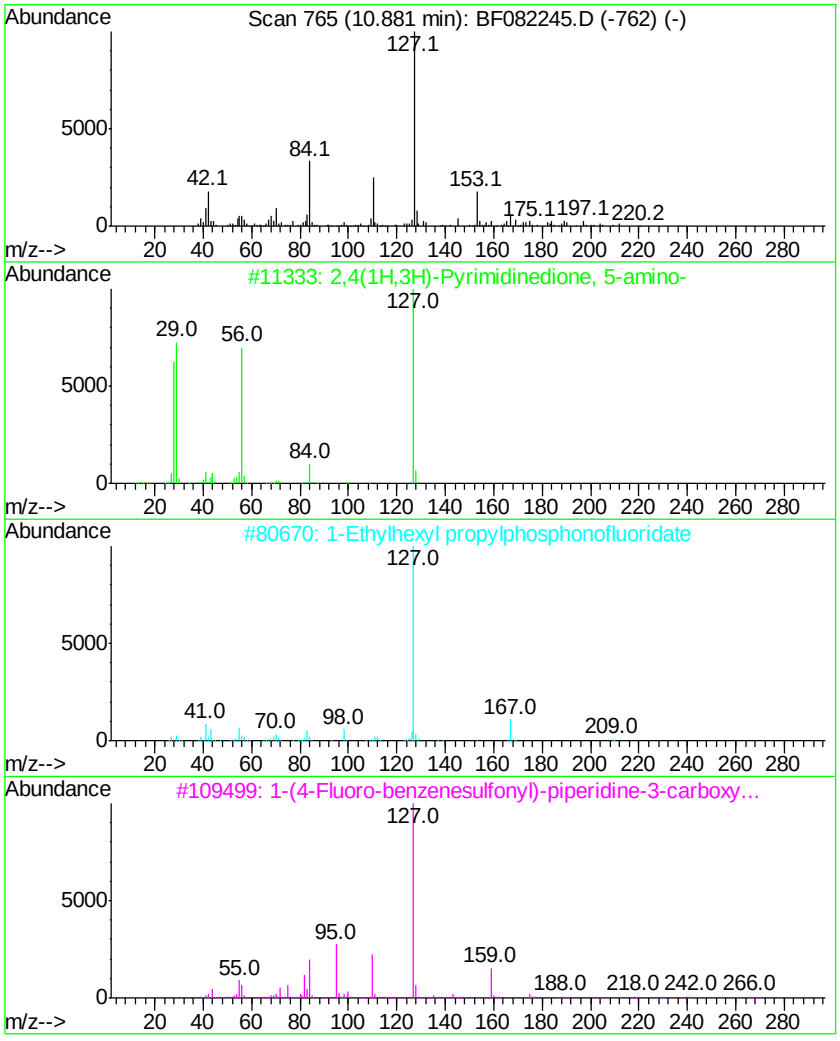
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

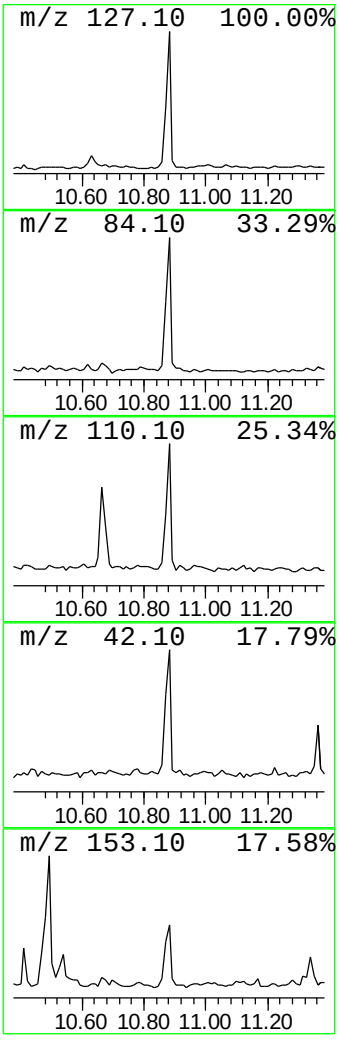
****

Peak Number 19 2,4(1H,3H)-Pyrimidinedione,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	6.64 ng	197545	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4(1H,3H)-Pyrimidinedione, 5-am...	127	C4H5N3O2	000932-52-5	43
2	1-Ethylhexyl propylphosphonofluo...	238	C11H24FO2P	1000298-40-8	43
3	1-(4-Fluoro-benzenesulfonyl)-pip...	286	C12H15FN2O3S	1000295-13-0	42
4	4-Amino-2,6-dihydroxypyrimidine	127	C4H5N3O2	000873-83-6	40
5	2,5-Pyrrolidinedione, 1-ethyl-	127	C6H9NO2	002314-78-5	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

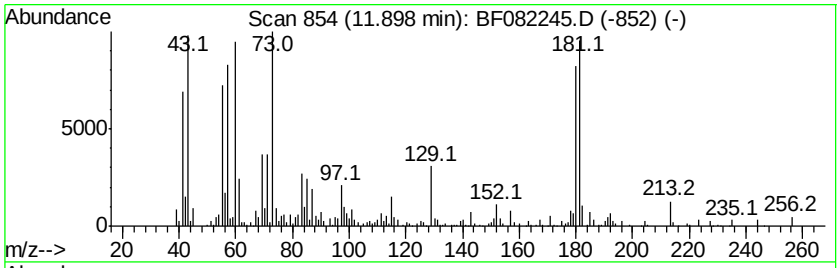
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

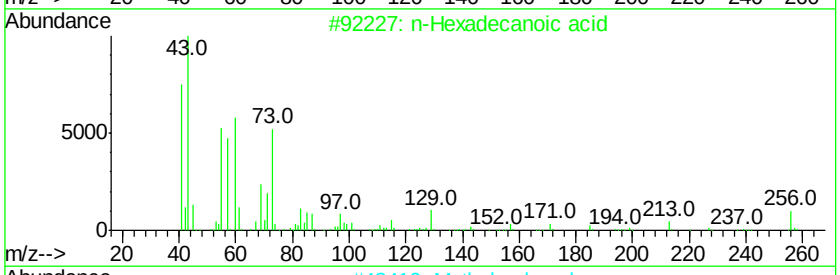
****

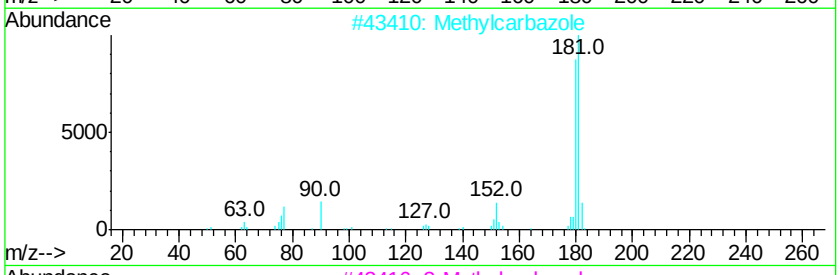
Peak Number 20 n-Hexadecanoic acid Concentration Rank 8

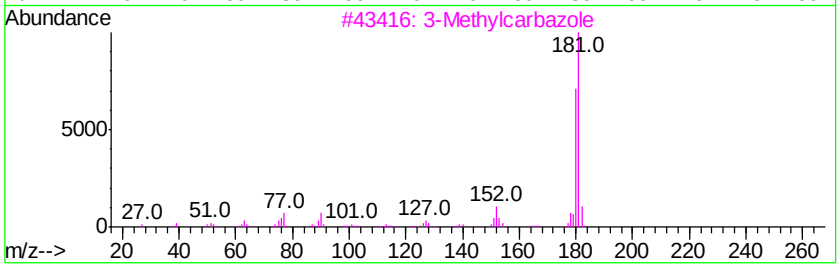
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	6.67 ng	198618	Phenanthrene-d10	11.36

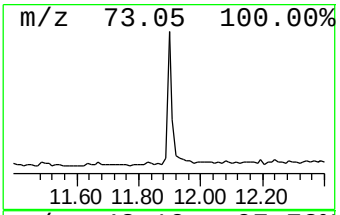
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
2	Methylcarbazole	181	C13H11N	027323-29-1	81
3	3-Methylcarbazole	181	C13H11N	004630-20-0	80
4	1-Methylcarbazole	181	C13H11N	006510-65-2	55
5	Tridecanoic acid	214	C13H26O2	000638-53-9	50

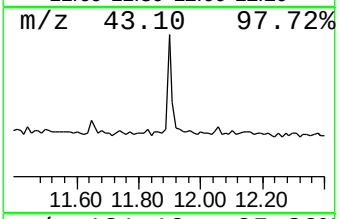


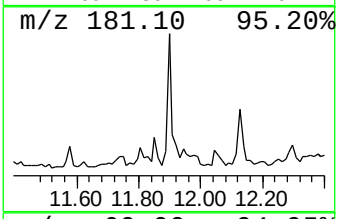


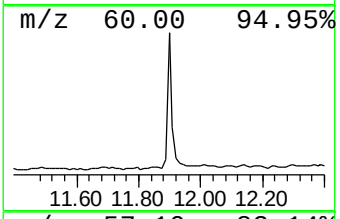


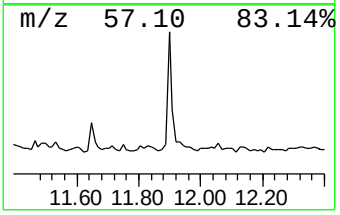












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101315\
Data File : BF082245.D
Acq On : 13 Oct 2015 6:00
Operator : UM/IZ
Sample : G3990-23
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TE-PMW-PCB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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...	4.99	21.8	ng	392230	1	6.83	359242	20.0
Benzene, (1-methy...	5.98	3.1	ng	56149	1	6.83	359242	20.0
3-Chloro-6-fluoro...	6.59	89.5	ng	1608300	1	6.83	359242	20.0
1,4-Dichlorobenze...	6.98	97.4	ng	1748990	1	6.83	359242	20.0
Benzene, 1,2-diet...	7.17	3.9	ng	70642	1	6.83	359242	20.0
Benzene, 2-etheny...	7.78	4.5	ng	175591	2	8.11	776507	20.0
Benzene, 2-etheny...	7.85	4.2	ng	161611	2	8.11	776507	20.0
1H-Indene, 2,3-di...	8.58	7.4	ng	287726	2	8.11	776507	20.0
Benzo[b]thiophene...	8.79	4.3	ng	167285	2	8.11	776507	20.0
Naphthalene, 1-me...	8.93	9.7	ng	376326	2	8.11	776507	20.0
Naphthalene, 2-et...	9.41	5.1	ng	209882	3	9.87	828965	20.0
Benzo[b]thiophene...	9.46	4.3	ng	178510	3	9.87	828965	20.0
Naphthalene, 2,3-...	9.53	7.9	ng	327030	3	9.87	828965	20.0
Naphthalene, 1,5-...	9.67	5.7	ng	236685	3	9.87	828965	20.0
Naphthalene, 1,4-...	9.74	5.3	ng	221030	3	9.87	828965	20.0
1H-Indene, 2,3-di...	10.03	3.4	ng	142639	3	9.87	828965	20.0
Naphthalene, 2,3,...	10.19	7.3	ng	303009	3	9.87	828965	20.0
9H-Fluorene, 9-me...	10.50	6.1	ng	251761	3	9.87	828965	20.0
2,4(1H,3H)-Pyrimi...	10.88	6.6	ng	197545	4	11.36	595290	20.0
n-Hexadecanoic acid	11.90	6.7	ng	198618	4	11.36	595290	20.0