LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083211.D
Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-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	4.776	241	244	259	rBV	1113429	1561397	22.28%	2.173%
2	5.244	282	285	292	rBV	2325894	3214688	45.87%	4.473%
3	6.307	376	378	385	rBV	1746942	2288549	32.66%	3.185%
4	6.410	385	387	390	rBV	4654197	5219426	74.48%	7.263%
5	6.639	405	407	409	rBV	1364516	1284720	18.33%	1.788%
6	6.799	418	421	423	rBV	4986197	5240712	74.78%	7.293%
7	6.879	426	428	431	rVV2	53148	108003	1.54%	0.150%
8	6.993	435	438	441	rBV	151835	180548	2.58%	0.251%
9	7.084	441	446	449	rBV4	102211	204347	2.92%	0.284%
10	7.164	449	453	454	rBV2	204235	256504	3.66%	0.357%
11	7.210	454	457	460	rVV	3546230	4327493	61.75%	6.022%
12	7.256	460	461	463	rVV	130067	141485	2.02%	0.197%
13	7.347	466	469	473	rVV4	199806	436474	6.23%	0.607%
14	7.416	473	475	477	rVV3	50277	86005	1.23%	0.120%
15	7.473	477	480	481	rVV	310016	358236	5.11%	0.499%
16	7.507	481	483	485	rVB	239934	267143	3.81%	0.372%
17	7.690	497	499	501	rVB3	71227	114268	1.63%	0.159%
18	7.747	501	504	506	rVB3	61639	109914	1.57%	0.153%
19	7.793	506	508	509	rBV	63528	89475	1.28%	0.125%
20	7.850	510	513	514	rBV	196098	326876	4.66%	0.455%
21	7.930	518	520	522	rBV	1596182	1721822	24.57%	2.396%
22	7.976	522	524	527	rVB3	112557	238880	3.41%	0.332%
23	8.045	527	530	532	rBV2	167541	288519	4.12%	0.401%
24	8.079	532	533	535	rBV2	66353	100678	1.44%	0.140%
25	8.125	535	537	538	rVB	77933	90623	1.29%	0.126%
26	8.147	538	539	540	rBV	88225	112615	1.61%	0.157%
27	8.205	543	544	547	rBV	201388	291793	4.16%	0.406%
28	8.250	547	548	550	rBV2	119393	125672	1.79%	0.175%
29	8.330	552	555	556	rBV	91805	118740	1.69%	0.165%
30	8.365	556	558	560	rVB	180749	179774	2.57%	0.250%
31	8.410	560	562	564	rBV2	299743	467040	6.66%	0.650%
32	8.456	564	566	568	rVB	192507	207652	2.96%	0.289%
33	8.513	568	571	573	rVB4	93983	201021	2.87%	0.280%
34	8.593	575	578	579	rVB2	73872	129050	1.84%	0.180%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083211.D
Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

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

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

35	8.639	579	582	583	rBV2	193926	287856	4.11%	0.401%
36	8.673	583	585	586	rVB2	94372	87247	1.24%	0.121%
37	8.707	586	588	589	rVB2	202825	224502	3.20%	0.312%
38	8.742	589	591	592	rVB	140022	152529	2.18%	0.212%
39	8.765	592	593	595	rBV2	104096	122291	1.74%	0.170%
40	8.822	595	598	602	rVB5	256739	676342	9.65%	0.941%
41	8.925	602	607	608	rBV	626656	1012120	14.44%	1.408%
42	8.959	608	610	611	rBV	527150	469458	6.70%	0.653%
43	9.016	611	615	617	rVB	5192691	7008252	100.00%	9.752%
44	9.085	618	621	624	rBV3	249525	666808	9.51%	0.928%
45	9.142	624	626	627	rBV2	212820	331341	4.73%	0.461%
46	9.188	629	630	633	rVB	638754	598848	8.54%	0.833%
47	9.279	636	638	641	rBV4	199905	353047	5.04%	0.491%
48	9.336	641	643	645	rBV	585460	954207	13.62%	1.328%
49	9.382	645	647	648	rBV	139865	226711	3.23%	0.315%
50	9.485	654	656	657	rBV	299738	414250	5.91%	0.576%
51	9.542	659	661	663	rVV2	263673	358341	5.11%	0.499%
52	9.622	666	668	670	rVV2	207626	387692	5.53%	0.540%
53	9.679	670	673	677	rVB	1599220	1912685	27.29%	2.662%
54	9.748	677	679	681	rBV3	127968	209109	2.98%	0.291%
55	9.828	683	686	687	rBV2	184585	284070	4.05%	0.395%
56	9.885	690	691	693	rVV2	273430	355471	5.07%	0.495%
57	10.010	698	702	703	rBV4	609421	1370398	19.55%	1.907%
58	10.045	703	705	709	rVB5	201326	525433	7.50%	0.731%
59	10.170	715	716	719	rVB3	248769	295356	4.21%	0.411%
60	10.273	722	725	726	rBV	273219	491667	7.02%	0.684%
61	10.330	727	730	734	rVV2	678995	1668966	23.81%	2.322%
62	10.411	734	737	738	rVB3	539004	748367	10.68%	1.041%
63	10.468	739	742	745	rVB	3447605	4203937	59.99%	5.850%
64	10.513	745	746	750	rVB4	277207	654160	9.33%	0.910%
65	10.605	751	754	757	rBV2	720839	1329359	18.97%	1.850%
66	10.696	761	762	765	rVB3	384161	502094	7.16%	0.699%
67	10.753	765	767	770	rBV4	236081	460616	6.57%	0.641%
68	11.028	790	791	793	rVB2	427027	521936	7.45%	0.726%
69	11.153	800	802	804	rBV	1657774	1429383	20.40%	1.989%
70	11.245	808	810	812	rVB	433560	445536	6.36%	0.620%
71	11.428	822	826	827	rBV4	280792	582336	8.31%	0.810%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083211.D
Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

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

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

72	11.622	841	843	847	rBV4	394184	931716	13.29%	1.297%
73	11.725	850	852	855	rVB2	790198	960776	13.71%	1.337%
74	12.502	917	920	922	rBV	516338	652924	9.32%	0.909%
75	12.742	938	941	943	rVB	4452840	4457508	63.60%	6.203%
76	13.645	1018	1020	1023	rVB	175826	198754	2.84%	0.277%
77	13.782	1029	1032	1034	rBV	1024077	1236592	17.64%	1.721%
78	15.142	1148	1151	1154	rVB	889412	1010141	14.41%	1.406%

Sum of corrected areas: 71861274

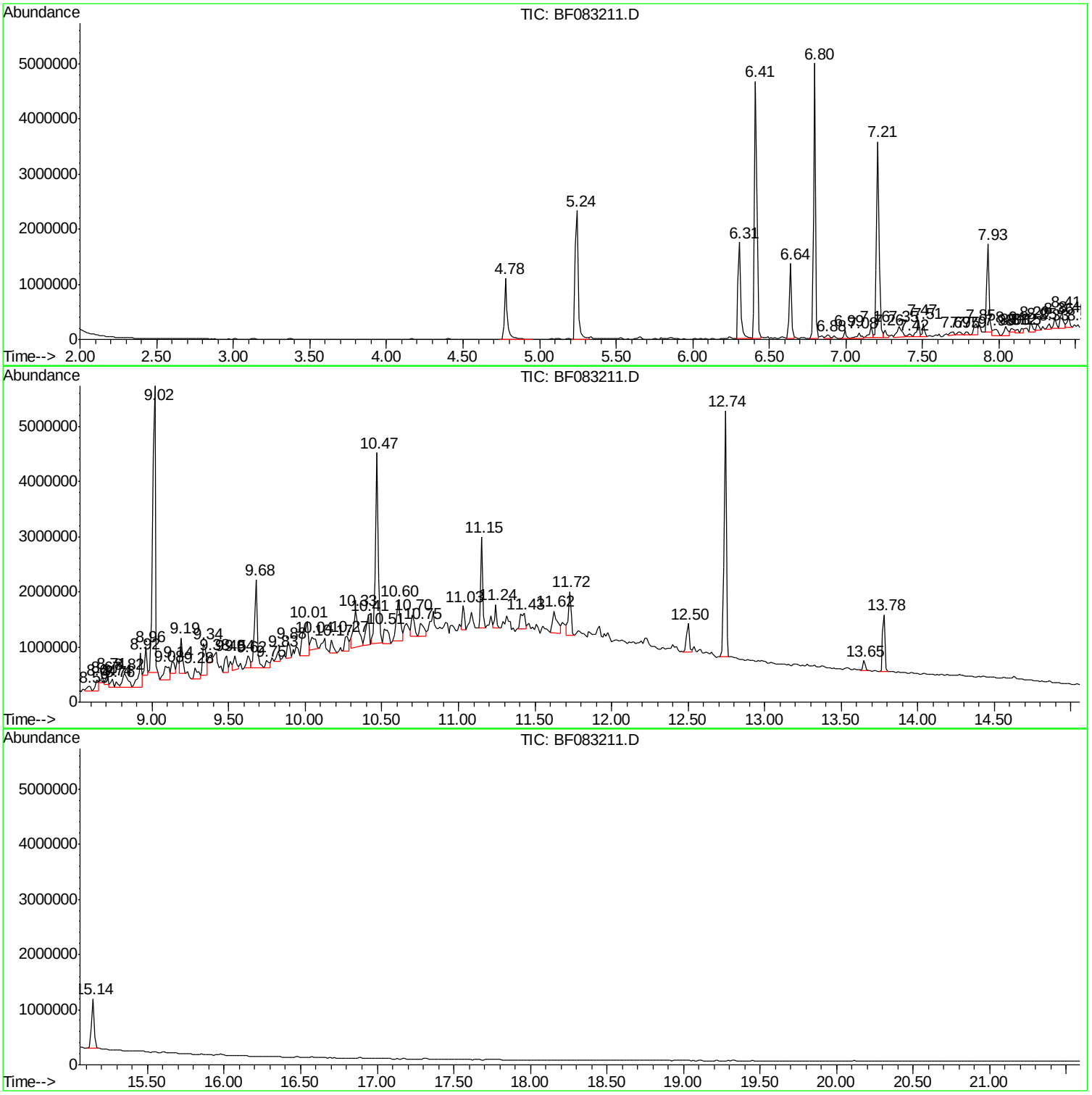
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083211.D
Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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\BF112315\
Data File : BF083211.D
Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

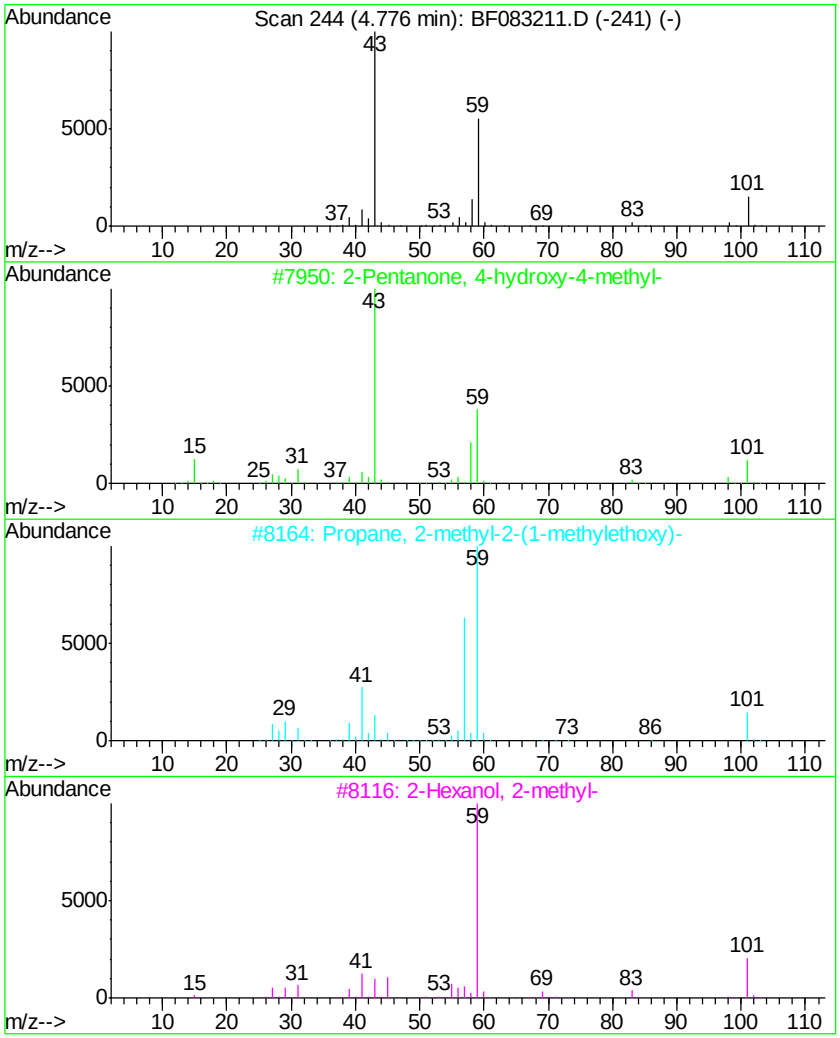
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

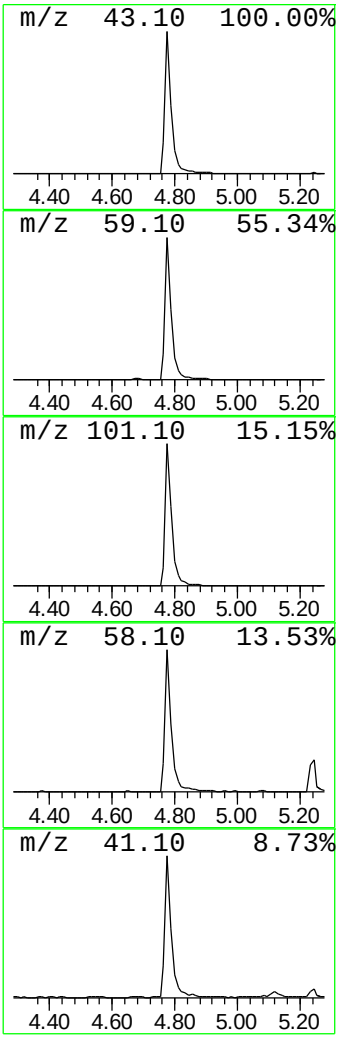
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	24.31 ng	1561400	1,4-Dichlorobenzene-d4	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083211.D
Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

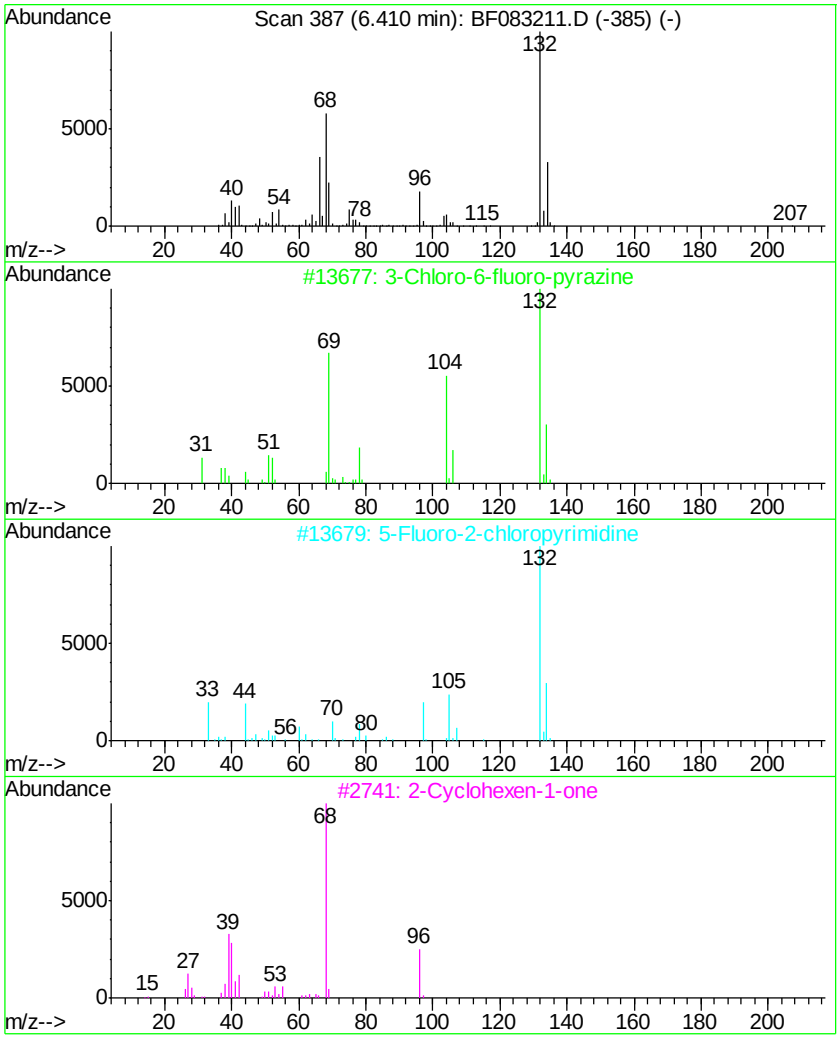
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

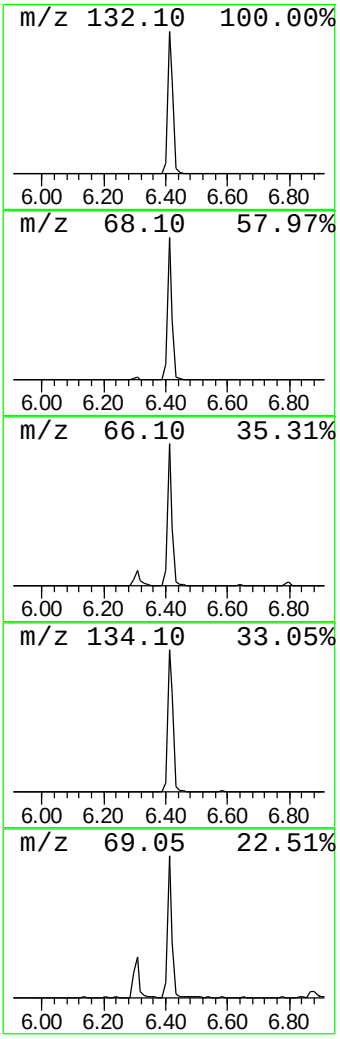
****

Peak Number 2 unknown6.41 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	81.25 ng	5219430	1,4-Dichlorobenzene-d4	6.64

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	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	11
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5	5-Aminoindole	132	C8H8N2	005192-03-0	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083211.D
Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

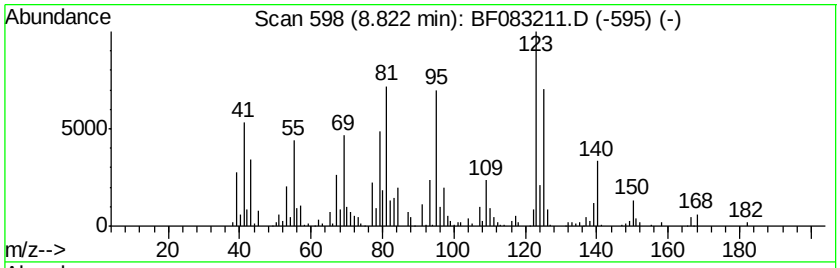
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

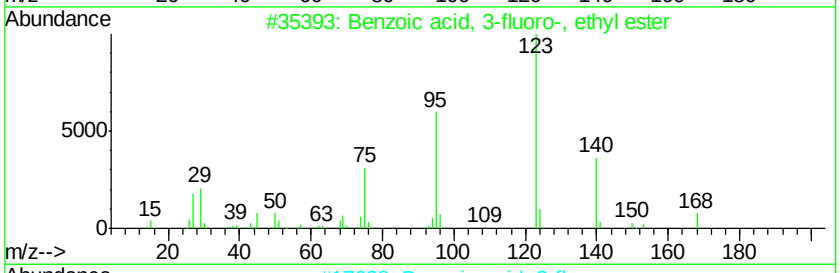
****

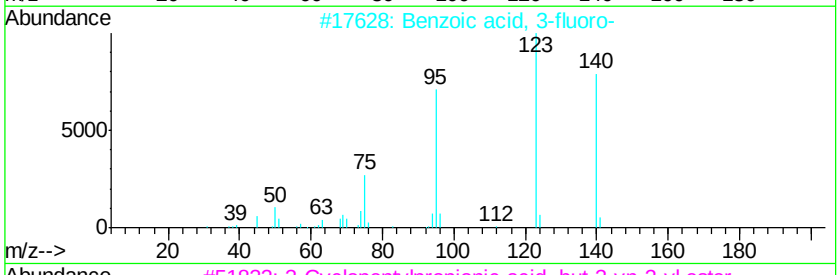
Peak Number 4 unknown8.82 Concentration Rank 15

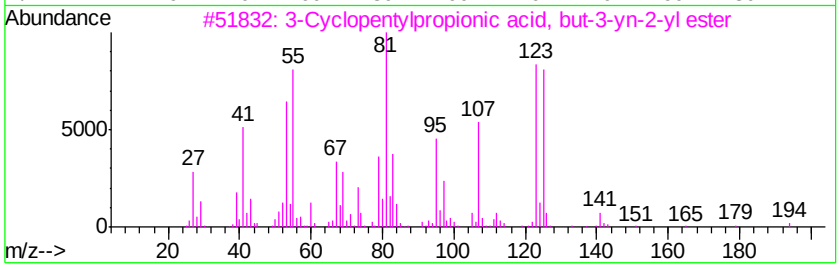
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	7.07 ng	676342	Acenaphthene-d10	9.68

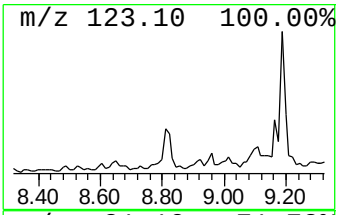
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3-fluoro-, ethyl e...	168	C9H9FO2	000451-02-5	38
2	Benzoic acid, 3-fluoro-	140	C7H5FO2	000455-38-9	38
3	3-Cyclopentylpropionic acid, but...	194	C12H18O2	1000292-46-4	38
4	Diallyldivinylsilane	164	C10H16Si	119901-88-1	35
5	4-Pyridinol, 2,6-dimethyl-	123	C7H9NO	013603-44-6	25

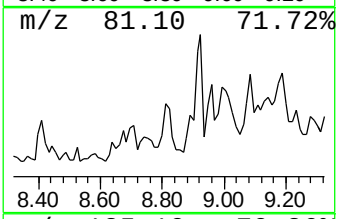


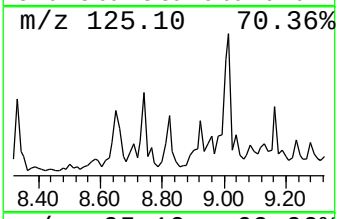


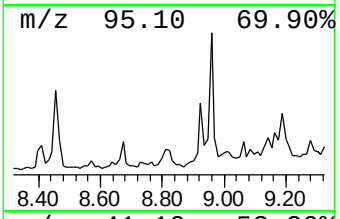


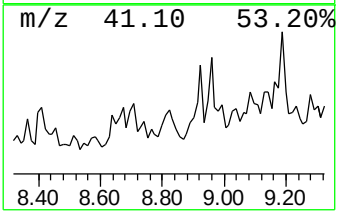












Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083211.D
Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

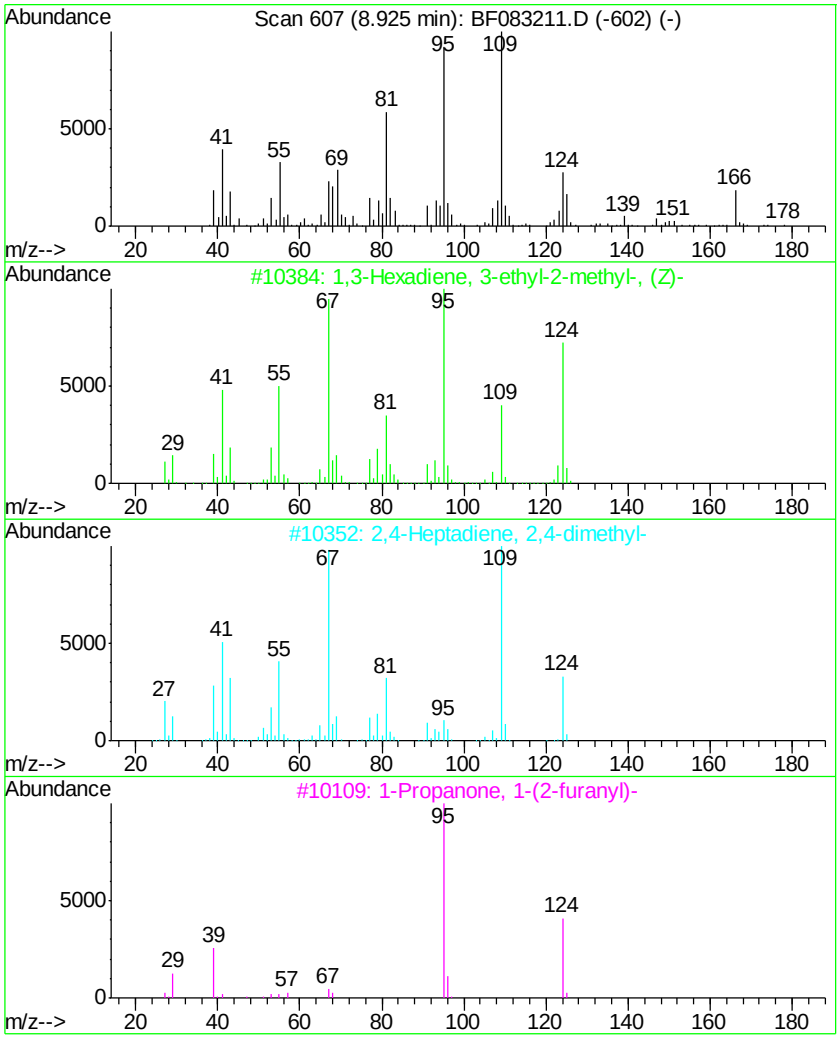
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

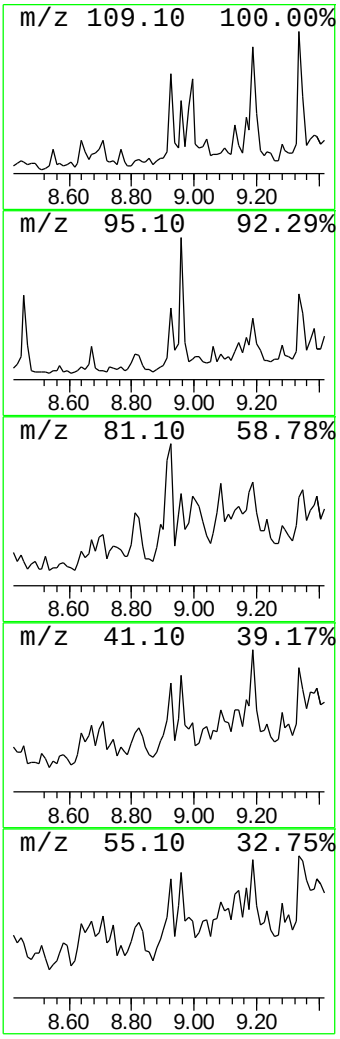
****

Peak Number 5 1,3-Hexadiene, 3-ethyl-2-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	10.58 ng	1012120	Acenaphthene-d10	9.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Hexadiene, 3-ethyl-2-methyl-...	124	C9H16	074752-97-9	55
2	2,4-Heptadiene, 2,4-dimethyl-	124	C9H16	074421-05-9	43
3	1-Propanone, 1-(2-furanyl)-	124	C7H8O2	003194-15-8	38
4	2,6-Dimethylfluorobenzene	124	C8H9F	000443-88-9	38
5	3-Heptyne, 2,2-dimethyl-	124	C9H16	029022-29-5	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083211.D
Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

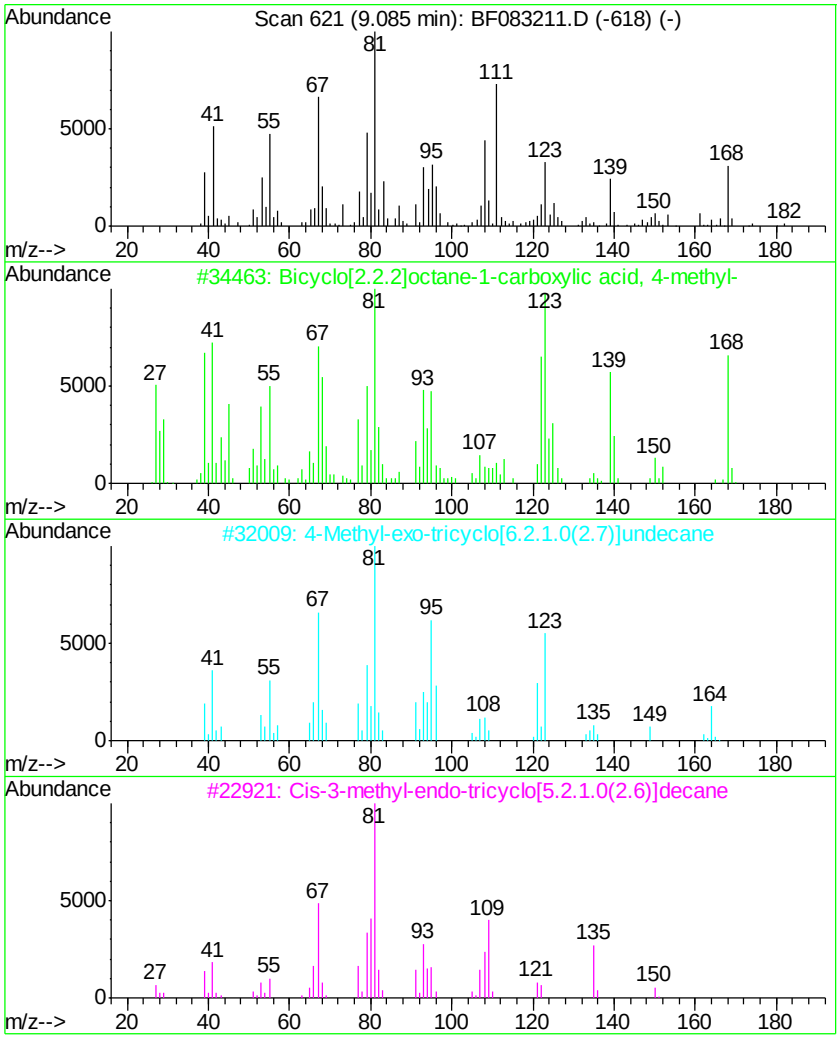
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

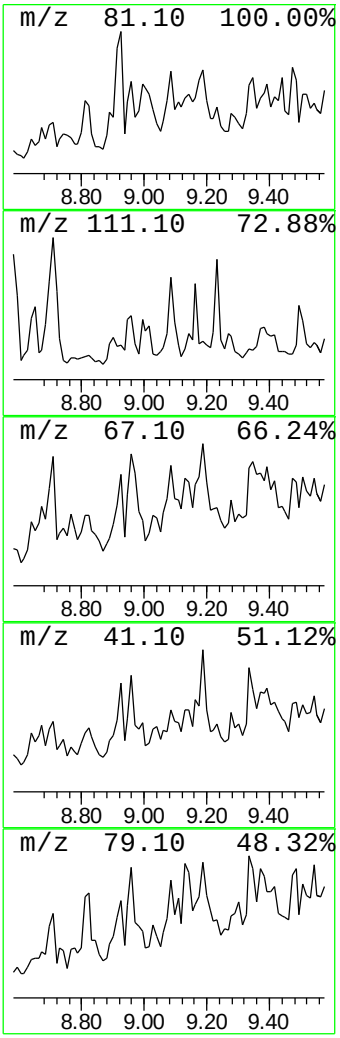
****

Peak Number 6 unknown9.08 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	6.97 ng	666808	Acenaphthene-d10	9.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.2]octane-1-carboxyli...	168	C10H16O2	000702-67-0	47
2	4-Methyl-exo-tricyclo[6.2.1.0(2....	164	C12H20	1000215-29-8	46
3	Cis-3-methyl-endo-tricyclo[5.2.1...	150	C11H18	1000215-29-0	43
4	4,6-Octadienoic acid	140	C8H12O2	062765-17-7	43
5	Cyclohexene,3-(2-propenyl)-	122	C9H14	015232-95-8	38





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Data File : BF083211.D
Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

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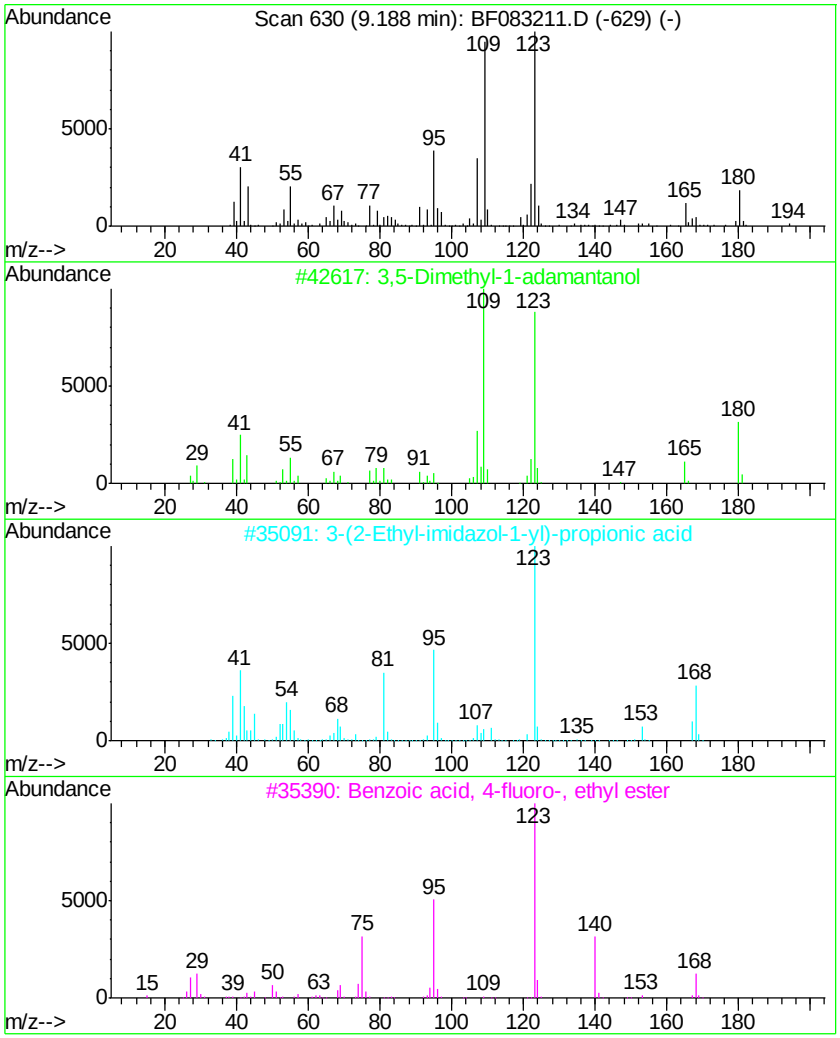
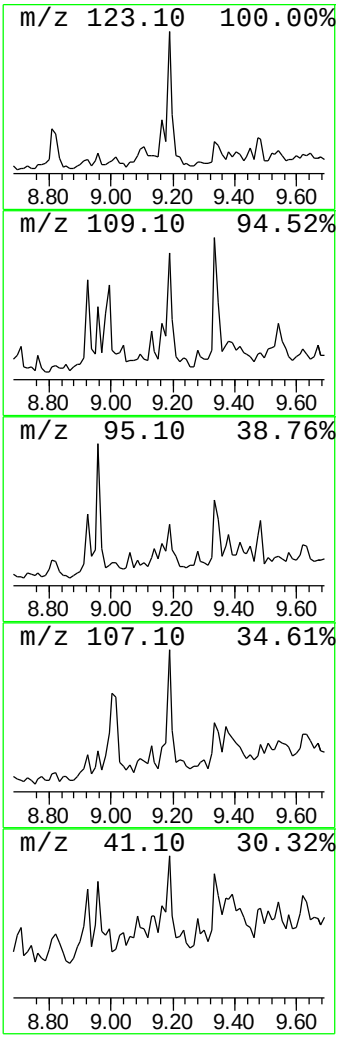
Peak Number 7 3,5-Dimethyl-1-adamantanol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	6.26 ng	598848	Acenaphthene-d10	9.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-1-adamantanol	180	C12H20O	000707-37-9	81
2	3-(2-Ethyl-imidazol-1-yl)-propio...	168	C8H12N2O2	1000277-78-0	38
3	Benzoic acid, 4-fluoro-, ethyl e...	168	C9H9FO2	000451-46-7	38
4	4-Fluorobenzoic acid, 2-methylpr...	196	C11H13FO2	029240-31-1	38
5	2,3-Dimethyl-8-oxo-non-2-enal	182	C11H18O2	1000186-82-6	37





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Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

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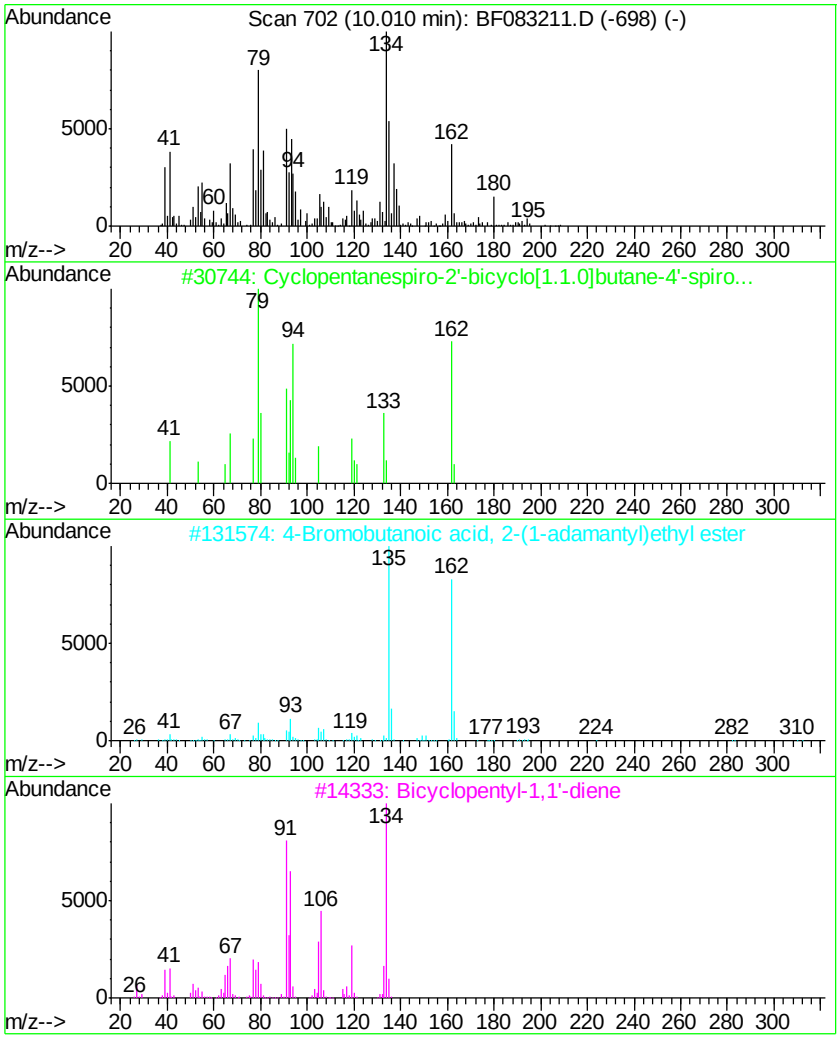
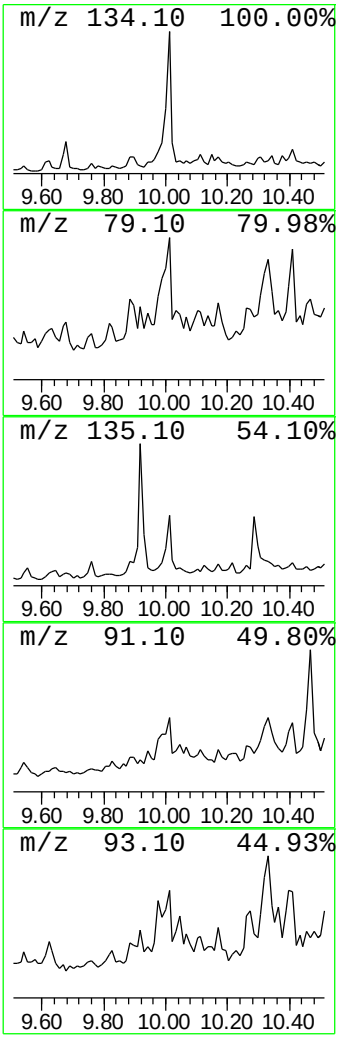
Peak Number 9 unknown10.01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	14.33 ng	1370400	Acenaphthene-d10	9.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanespiro-2'-bicyclo[1.1...	162	C12H18	114310-66-6	38
2	4-Bromobutanoic acid, 2-(1-adama...	328	C16H25BrO2	1000282-75-4	38
3	Bicyclopentyl-1,1'-diene	134	C10H14	000934-02-1	38
4	1,3-Isobenzofurandione, 3a,4,7,7...	166	C9H10O3	003425-89-6	30
5	1,3,5-Heptatriene, (E,E)-	94	C7H10	017679-93-5	25





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Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

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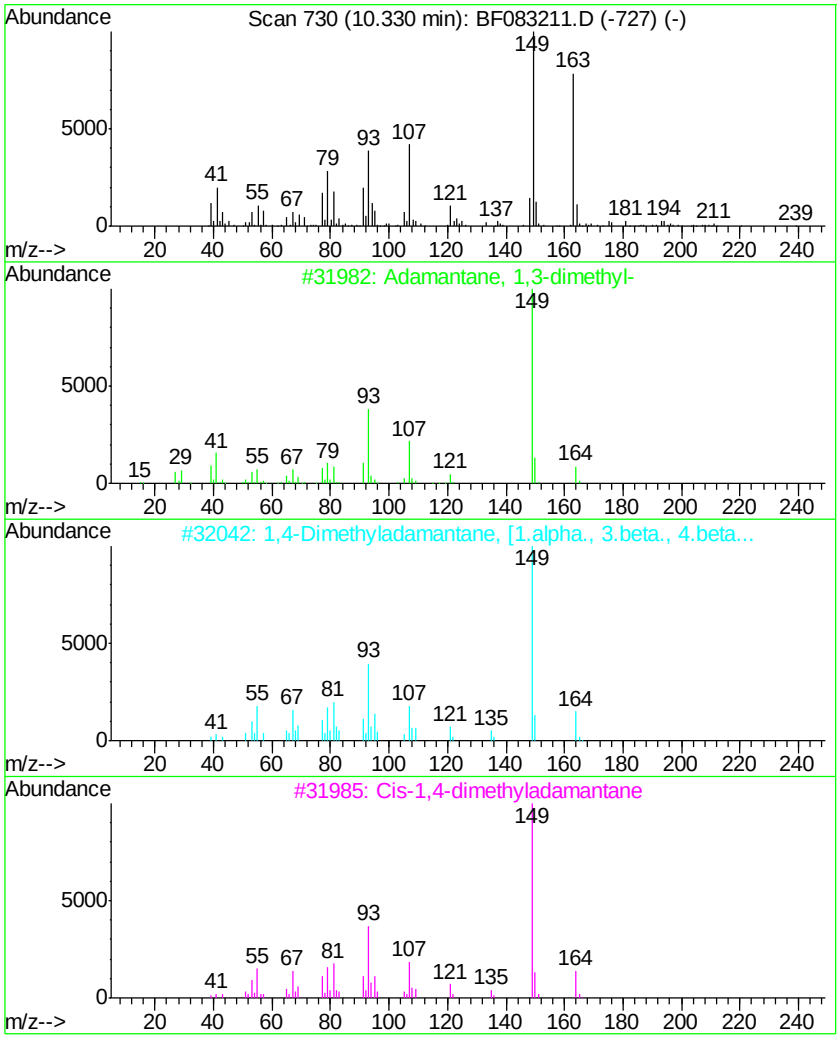
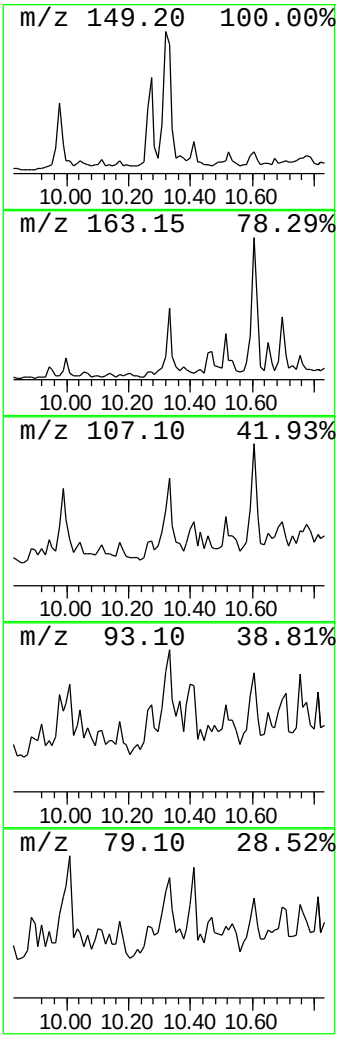
Peak Number 10 unknown10.33 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	17.45 ng	1668970	Acenaphthene-d10	9.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	46
2	1,4-Dimethyladamantane, [1.alpha...	164	C12H20	024145-88-8	43
3	Cis-1,4-dimethyladamantane	164	C12H20	024145-89-9	43
4	1H-Purin-6-amine, N-methyl-	149	C6H7N5	000443-72-1	38
5	1-Methyl-3-ethyladamantane	178	C13H22	001687-34-9	38





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Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

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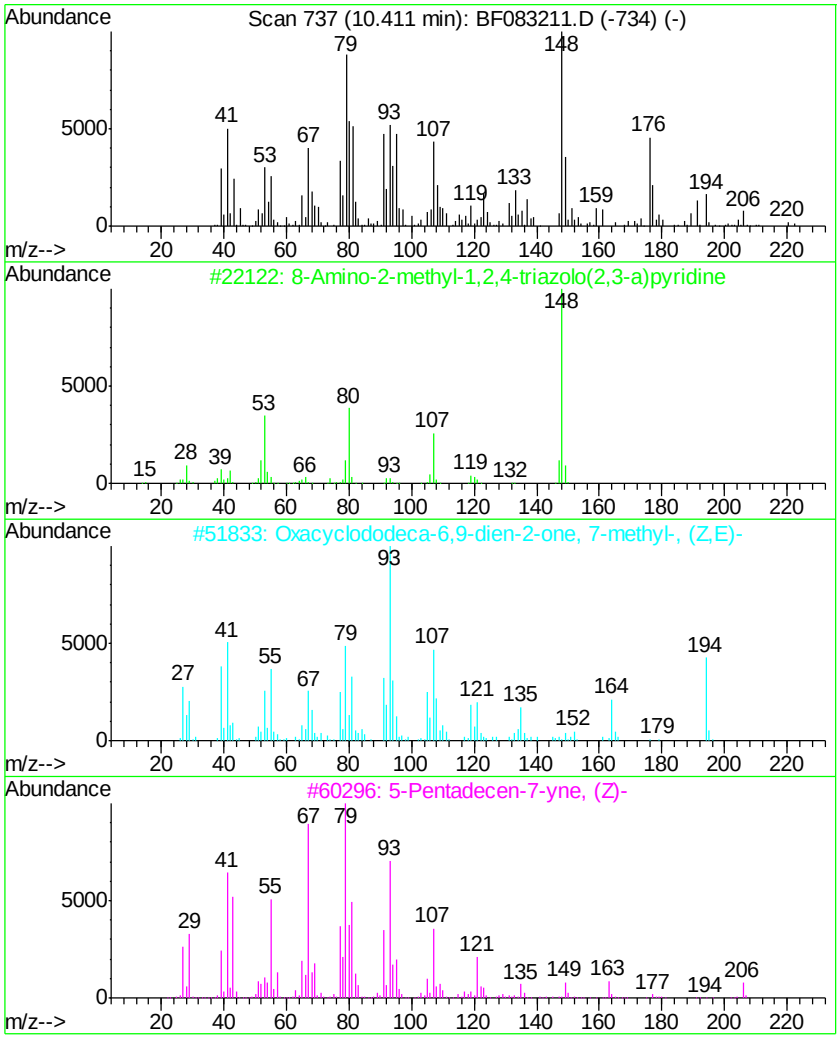
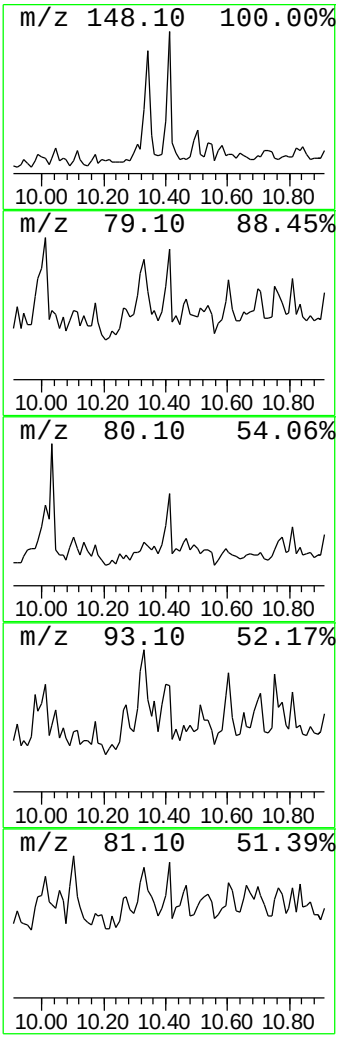
Peak Number 11 unknown10.41 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	7.83 ng	748367	Acenaphthene-d10	9.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Amino-2-methyl-1,2,4-triazolo(...	148	C7H8N4	007169-93-9	38
2	Oxacyclododeca-6,9-dien-2-one, 7...	194	C12H18O2	070968-72-8	35
3	5-Pentadecen-7-yne, (Z)-	206	C15H26	074744-50-6	22
4	1,2,5,6-Tetrahydrophthalimide	151	C8H9NO2	000085-40-5	20
5	Spiro[adamantane-2,5'-[1.2]dioxo...	220	C13H16O3	126255-68-3	18





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Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

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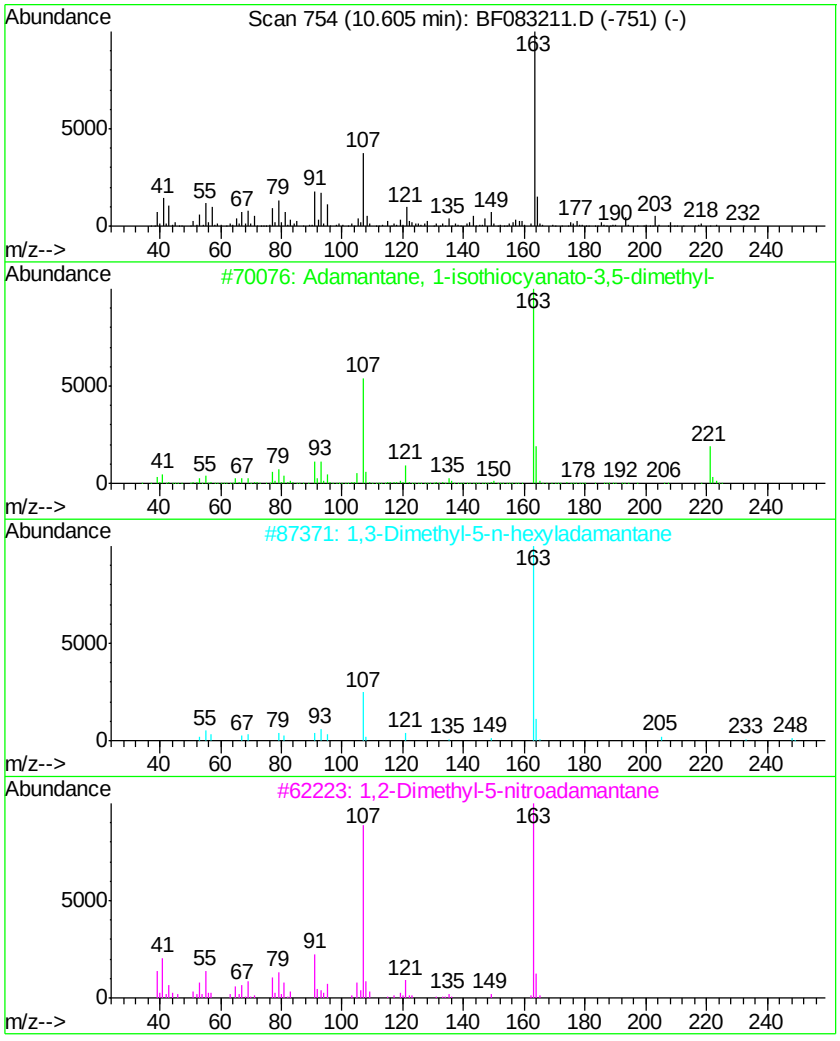
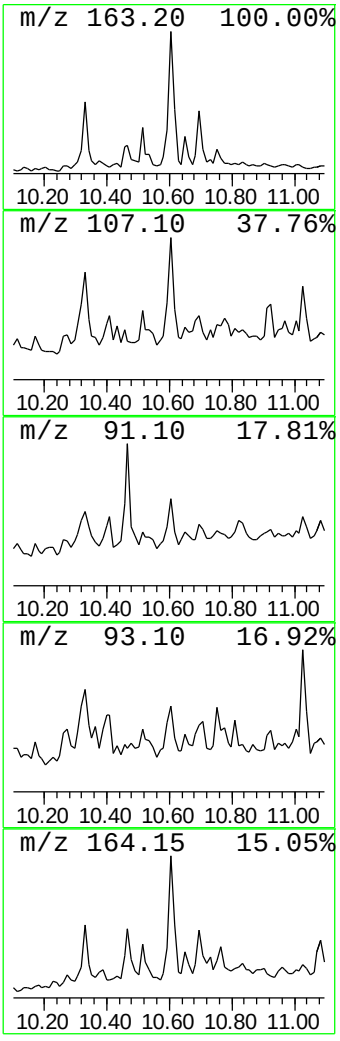
Peak Number 12 Adamantane, 1-isothiocyanat... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	18.60 ng	1329360	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane, 1-isothiocyanato-3,5...	221	C13H19NS	136860-49-6	72
2	1,3-Dimethyl-5-n-hexyladamantane	248	C18H32	052873-50-4	72
3	1,2-Dimethyl-5-nitroadamantane	209	C12H19NO2	006588-68-7	64
4	Benzene, 1-(1,1-dimethylethyl)-4...	178	C12H18O	017269-94-2	64
5	1,3-Diethyladamantane	192	C14H24	025074-51-5	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
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Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

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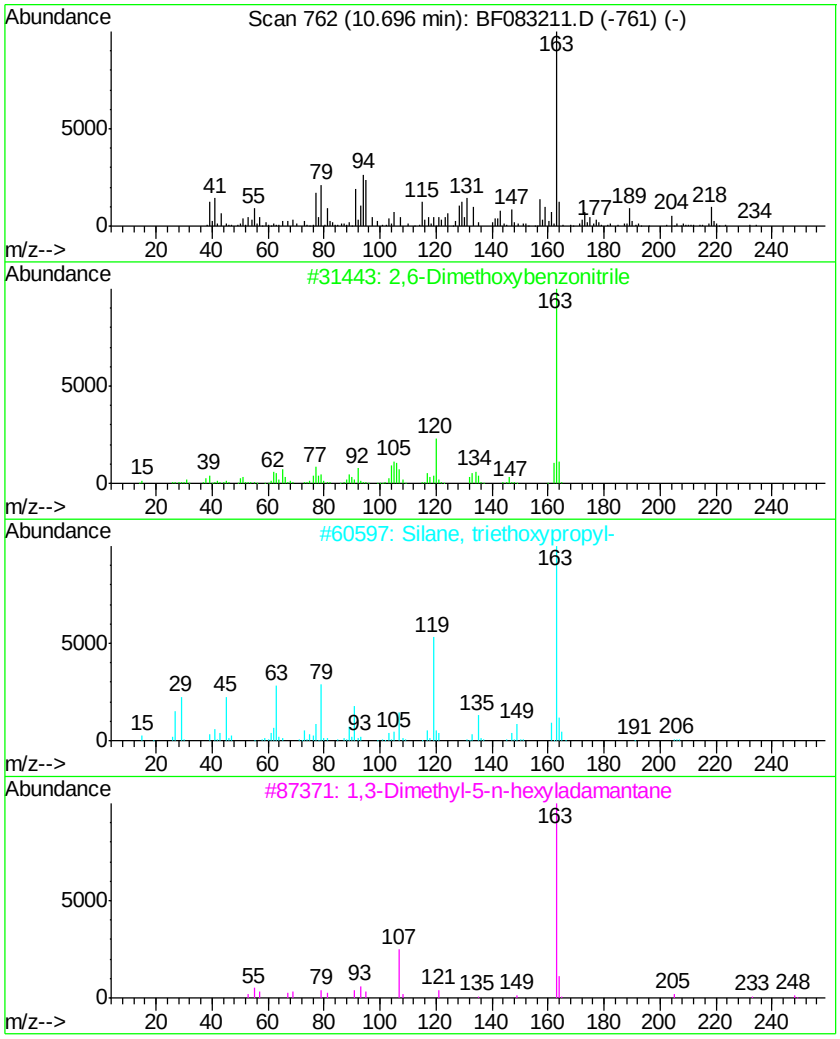
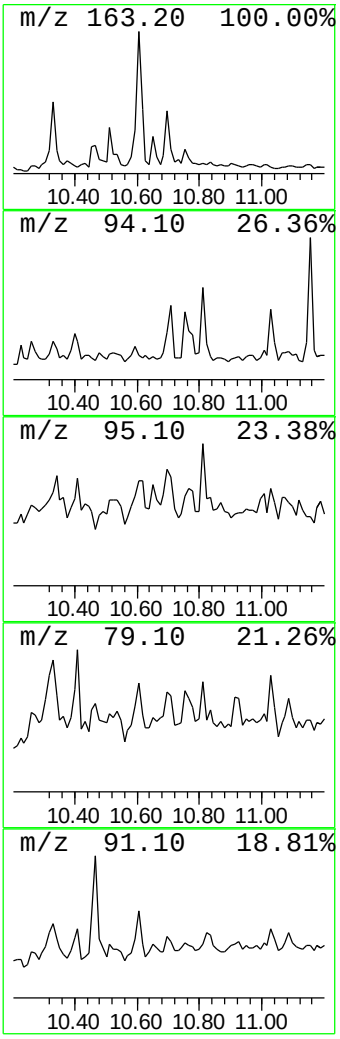
Peak Number 13 unknown10.70 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	7.03 ng	502094	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethoxybenzonitrile	163	C9H9NO2	016932-49-3	43
2	Silane, triethoxypropyl-	206	C9H22O3Si	002550-02-9	41
3	1,3-Dimethyl-5-n-hexyladamantane	248	C18H32	052873-50-4	38
4	Phenol, 2,5-bis(1-methylethyl)-	178	C12H18O	035946-91-9	37
5	Benzonitrile, 2,4-dimethoxy-	163	C9H9NO2	004107-65-7	37





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
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Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

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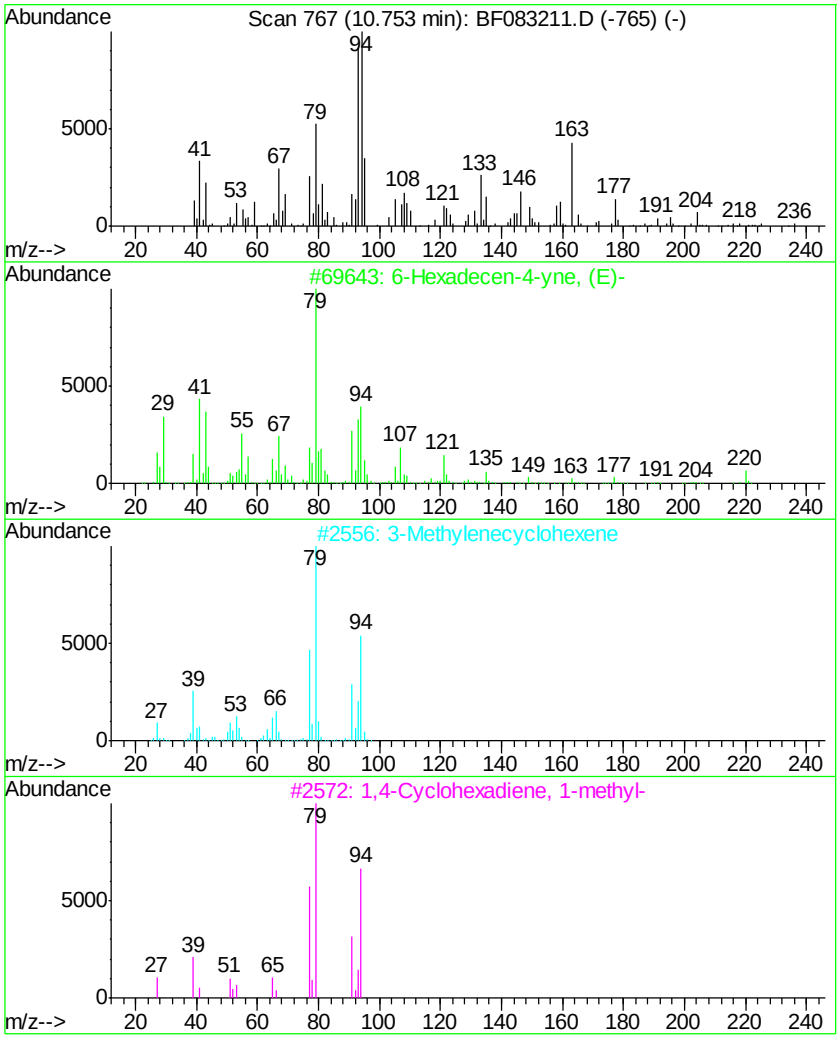
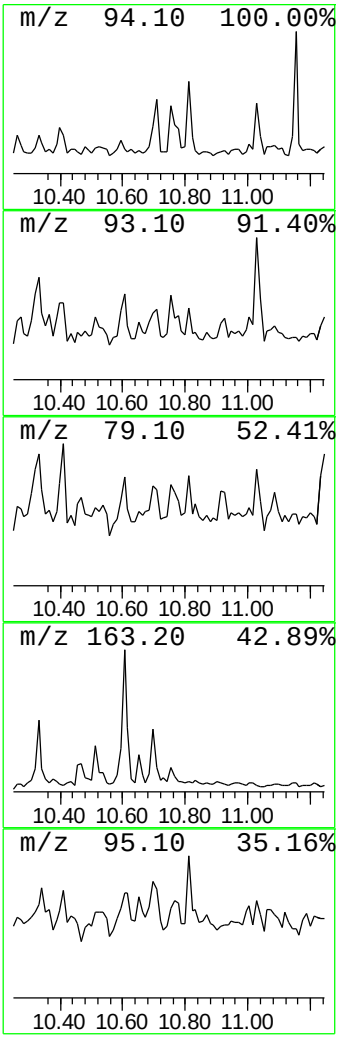
Peak Number 14 unknown10.75 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	6.44 ng	460616	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Hexadecen-4-yne, (E)-	220	C16H28	074744-52-8	43
2	3-Methylenecyclohexene	94	C7H10	001888-90-0	38
3	1,4-Cyclohexadiene, 1-methyl-	94	C7H10	004313-57-9	30
4	Camphene	136	C10H16	000079-92-5	27
5	2-Penten-1-ol, 2-methyl-5-(2-met...	220	C15H24O	000077-42-9	27





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Acq On : 23 Nov 2015 18:42
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Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

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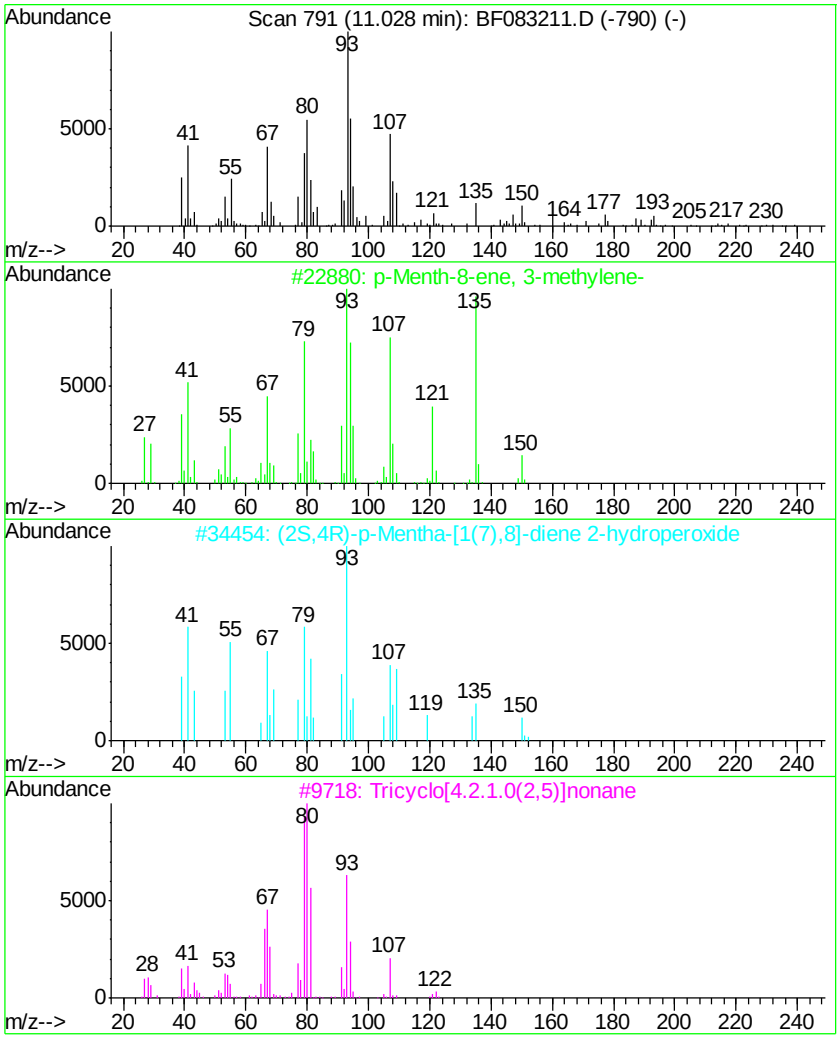
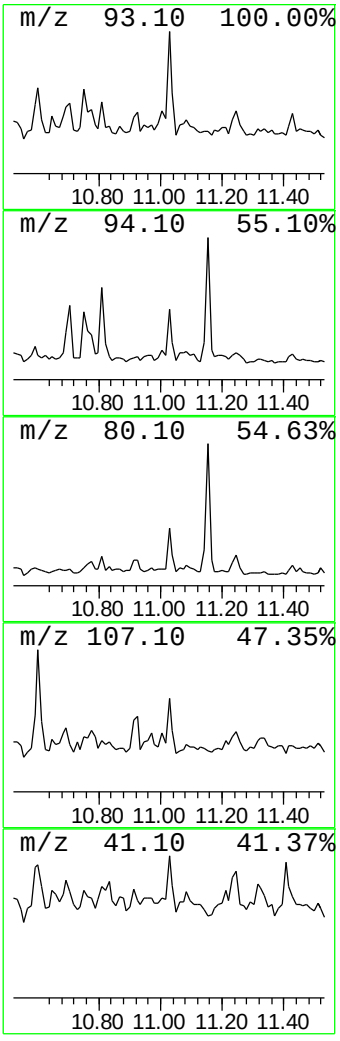
Peak Number 15 unknown11.03 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	7.30 ng	521936	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Menth-8-ene, 3-methylene-	150	C11H18	1000151-25-7	47
2	(2S,4R)-p-Mentha-[1(7),8]-diene ...	168	C10H16O2	1000292-74-4	45
3	Tricyclo[4.2.1.0(2,5)]nonane	122	C9H14	1000195-06-2	43
4	Cyclohexanemethanol, 4-methylene-	126	C8H14O	001004-24-6	35
5	1,2-Dihydropyridine, 1-(1-oxobut...	151	C9H13NO	1000132-46-2	35





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Sample : G4437-18
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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
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TIC Integration Parameters: LSCINT.P

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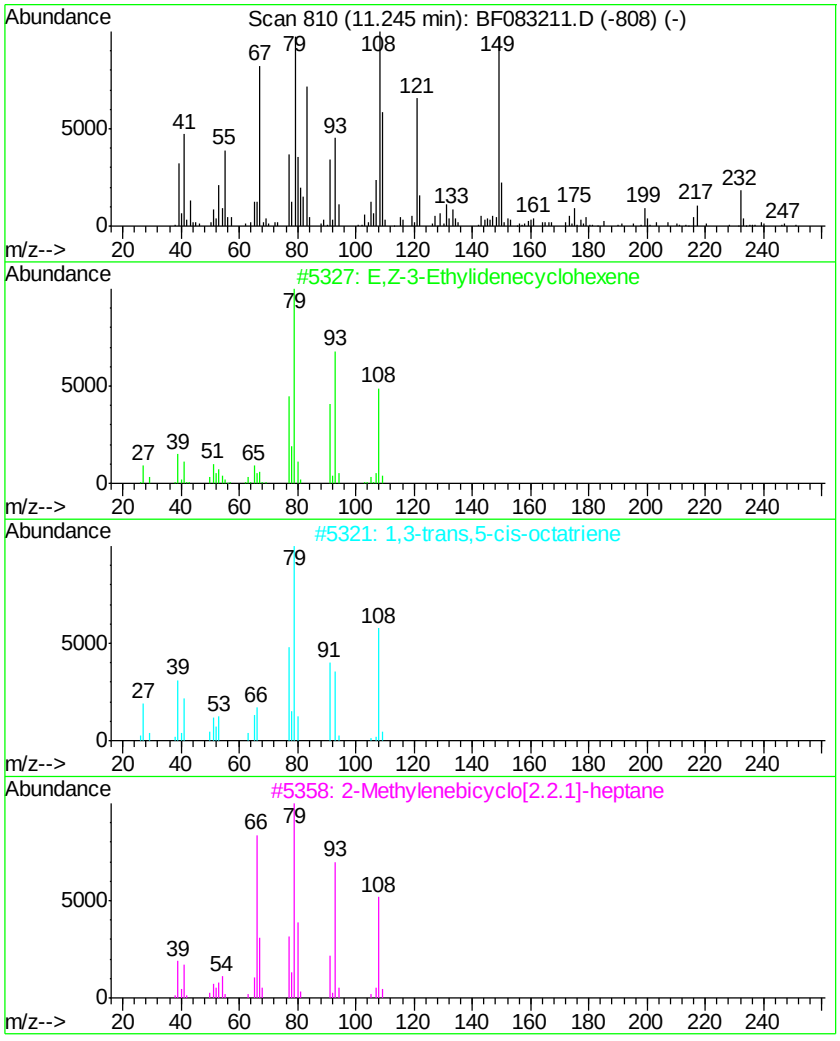
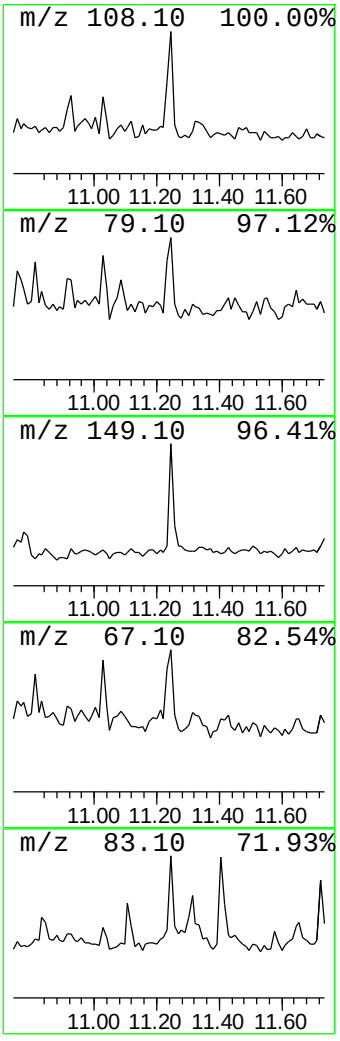
Peak Number 16 unknown11.24 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	6.23 ng	445536	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	E,Z-3-Ethylidenecyclohexene	108	C8H12	016631-62-2	42
2	1,3-trans,5-cis-octatriene	108	C8H12	040087-61-4	38
3	2-Methylenebicyclo[2.2.1]-heptane	108	C8H12	000497-35-8	38
4	(3Z,5E)-1,3,5-Undecatriene	150	C11H18	019883-27-3	25
5	Tetrahydrofuran-2-ol, 3,4-di[1-b...	196	C12H20O2	1000131-84-0	22





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

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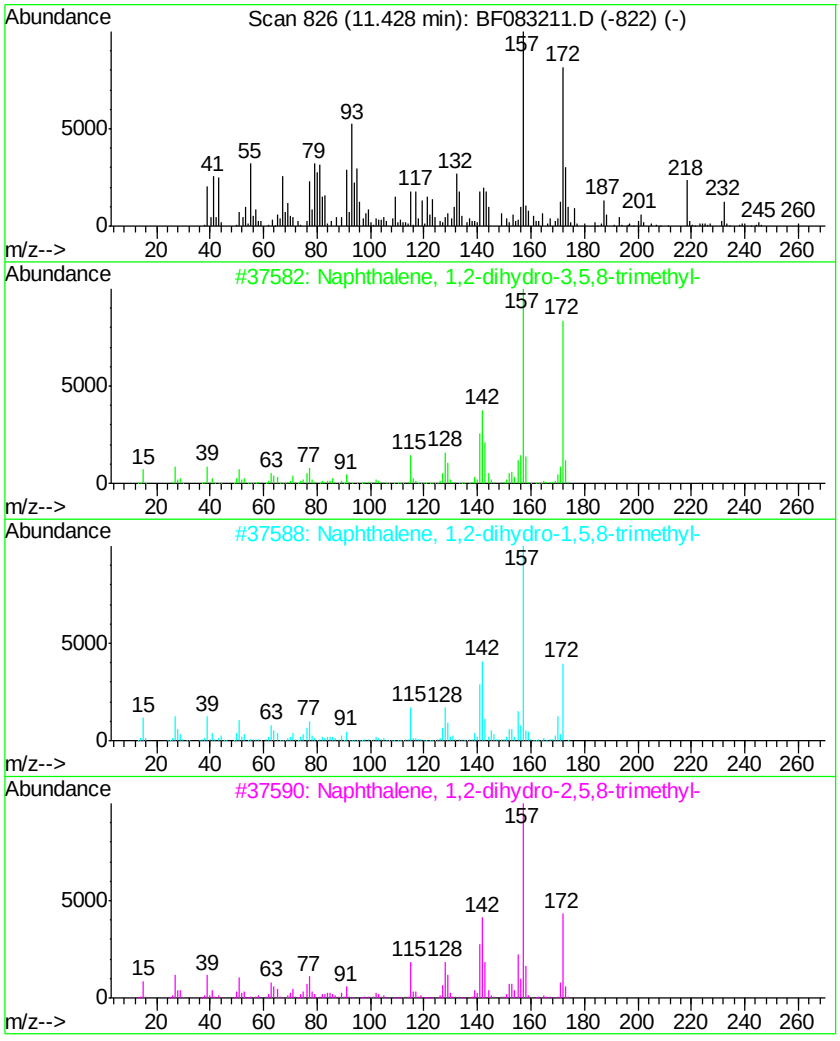
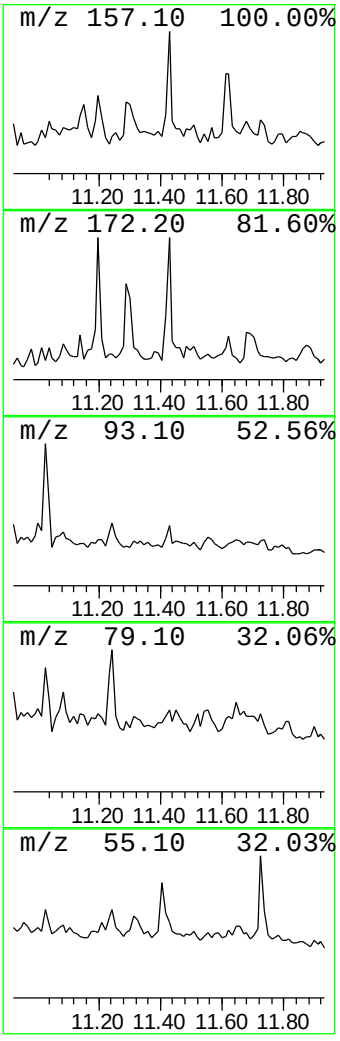
Peak Number 17 Naphthalene, 1,2-dihydro-3,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	8.15 ng	582336	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-3,5,8-t...	172	C13H16	030316-18-8	64
2	Naphthalene, 1,2-dihydro-1,5,8-t...	172	C13H16	004506-36-9	60
3	Naphthalene, 1,2-dihydro-2,5,8-t...	172	C13H16	030316-23-5	58
4	Naphthalene, 1,2-dihydro-3,6,8-t...	172	C13H16	053156-06-2	53
5	Naphthalene, 1,2-dihydro-1,4,6-t...	172	C13H16	055682-80-9	52





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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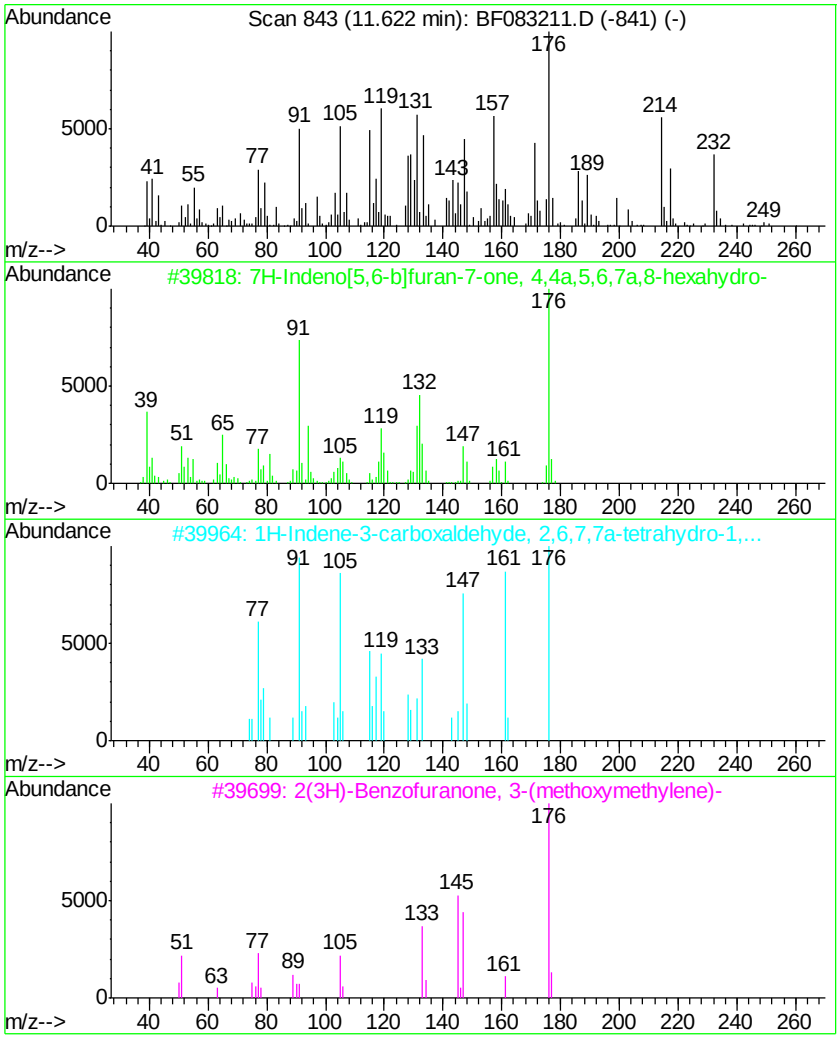
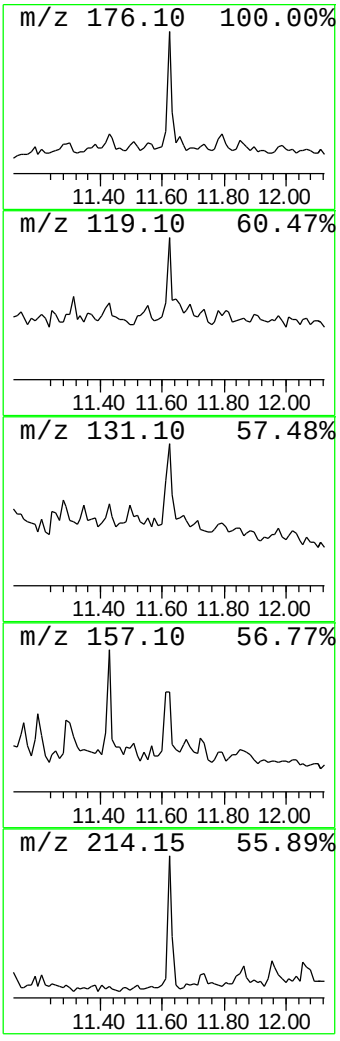
Peak Number 18 unknown11.62 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	13.04 ng	931716	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Indeno[5,6-b]furan-7-one, 4,4...	176	C11H12O2	1000221-49-9	43
2	1H-Indene-3-carboxaldehyde, 2,6,...	176	C12H16O	063767-07-7	35
3	2(3H)-Benzofuranone, 3-(methoxym...	176	C10H8O3	040800-90-6	30
4	1H-1,5-Benzodiazepine, 2,3,4,5-t...	176	C11H16N2	040358-37-0	25
5	3(4H)-Dibenzofuranone, 4a,9b-dih...	214	C14H14O2	000546-24-7	25





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Data File : BF083211.D
Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

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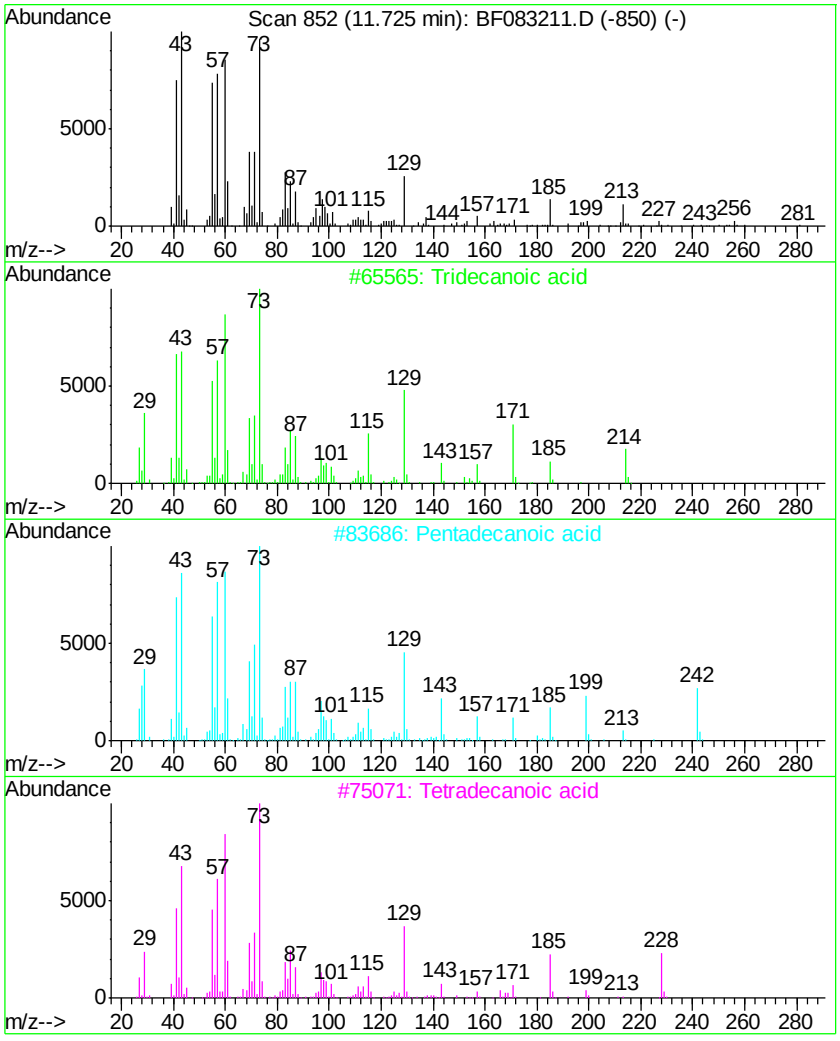
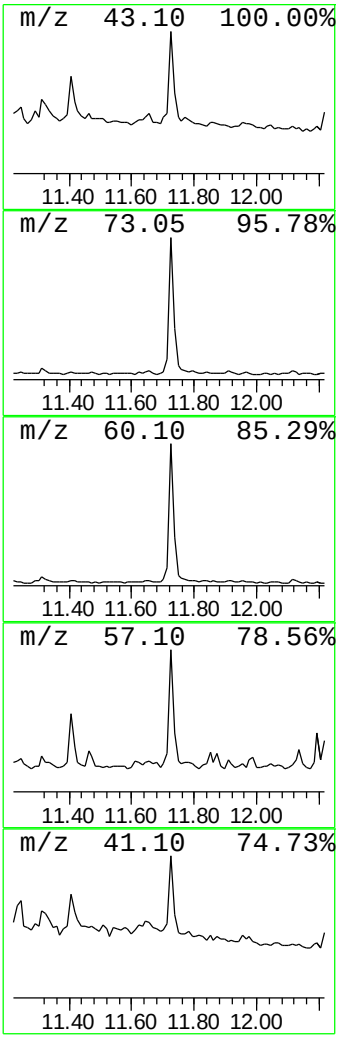
Peak Number 19 Tridecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	13.44 ng	960776	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	87
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	86
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80
5	Undecanoic acid	186	C11H22O2	000112-37-8	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083211.D
Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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

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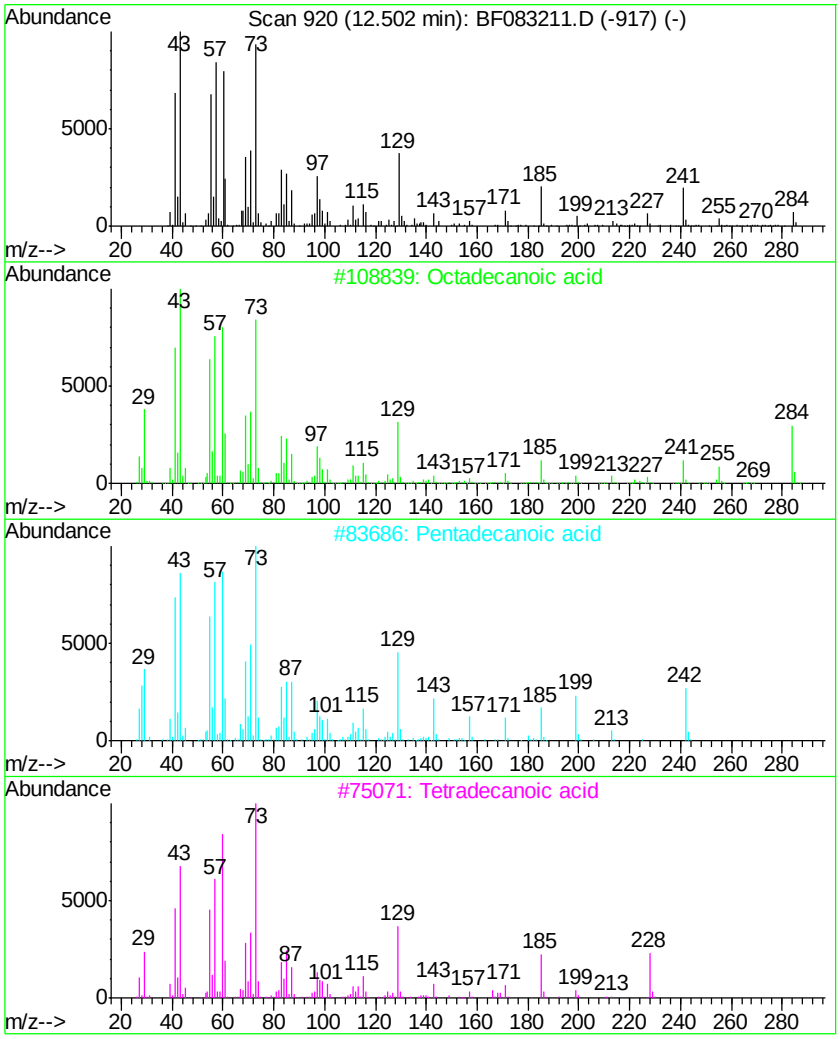
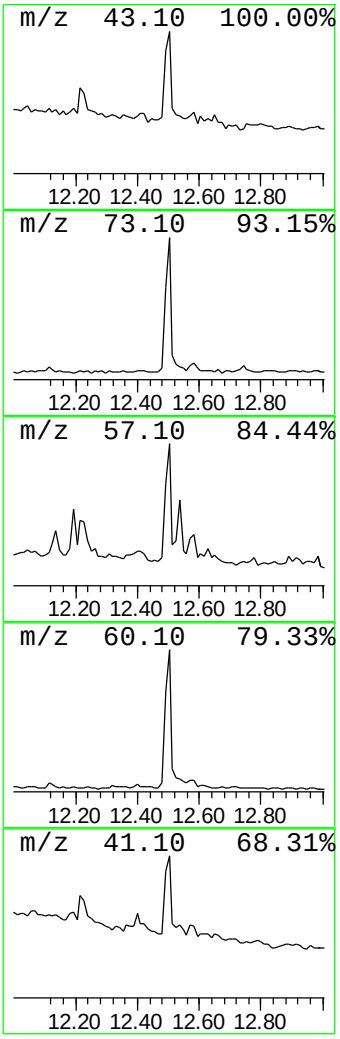
Peak Number 20 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	10.56 ng	652924	Chrysene-d12	13.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	n-Decanoic acid	172	C10H20O2	000334-48-5	64
5	Ethanone, 1-(4,5-dihydro-2-thiaz...	129	C5H7NOS	029926-41-8	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
Data File : BF083211.D
Acq On : 23 Nov 2015 18:42
Operator : UM/IZ
Sample : G4437-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-27

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...	4.78	24.3	ng	1561400	1	6.64	1284720	20.0
unknown6.41	6.41	81.3	ng	5219430	1	6.64	1284720	20.0
unknown8.82	8.82	7.1	ng	676342	3	9.68	1912690	20.0
1,3-Hexadiene, 3-...	8.92	10.6	ng	1012120	3	9.68	1912690	20.0
unknown9.08	9.08	7.0	ng	666808	3	9.68	1912690	20.0
3,5-Dimethyl-1-ad...	9.19	6.3	ng	598848	3	9.68	1912690	20.0
unknown10.01	10.01	14.3	ng	1370400	3	9.68	1912690	20.0
unknown10.33	10.33	17.4	ng	1668970	3	9.68	1912690	20.0
unknown10.41	10.41	7.8	ng	748367	3	9.68	1912690	20.0
Adamantane, 1-iso...	10.60	18.6	ng	1329360	4	11.15	1429380	20.0
unknown10.70	10.70	7.0	ng	502094	4	11.15	1429380	20.0
unknown10.75	10.75	6.4	ng	460616	4	11.15	1429380	20.0
unknown11.03	11.03	7.3	ng	521936	4	11.15	1429380	20.0
unknown11.24	11.24	6.2	ng	445536	4	11.15	1429380	20.0
Naphthalene, 1,2-...	11.43	8.2	ng	582336	4	11.15	1429380	20.0
unknown11.62	11.62	13.0	ng	931716	4	11.15	1429380	20.0
Tridecanoic acid	11.72	13.4	ng	960776	4	11.15	1429380	20.0
Octadecanoic acid	12.50	10.6	ng	652924	5	13.78	1236590	20.0