LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083157.D
Acq On : 22 Nov 2015 14:19
Operator : UM/IZ
Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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	4.798	243	246	256	rBV	714023	1077294	16.45%	1.657%
2	5.244	284	285	298	rBV	2095434	3048483	46.56%	4.688%
3	5.793	329	333	336	rBV2	37415	66808	1.02%	0.103%
4	6.307	376	378	386	rBV	2014642	2181707	33.32%	3.355%
5	6.421	386	388	391	rBV	5165673	4926711	75.25%	7.577%
6	6.604	400	404	406	rVB2	64379	114812	1.75%	0.177%
7	6.650	406	408	410	rBV	1270776	1239353	18.93%	1.906%
8	6.810	419	422	423	rBV	4055139	4747594	72.51%	7.302%
9	6.833	423	424	426	rVV	630826	494977	7.56%	0.761%
10	6.913	429	431	433	rVV	121162	127610	1.95%	0.196%
11	6.982	435	437	441	rVB	98060	157318	2.40%	0.242%
12	7.222	453	458	461	rBV	4084636	4742130	72.43%	7.293%
13	7.313	463	466	467	rVV3	53379	79275	1.21%	0.122%
14	7.347	467	469	471	rVV	112107	114005	1.74%	0.175%
15	7.427	474	476	478	rVV	224341	329009	5.03%	0.506%
16	7.462	478	479	481	rVB	170387	122260	1.87%	0.188%
17	7.610	488	492	496	rVB3	170619	351200	5.36%	0.540%
18	7.679	496	498	500	rBV2	371491	397116	6.07%	0.611%
19	7.724	500	502	503	rVV2	64480	95790	1.46%	0.147%
20	7.759	503	505	509	rVB4	48221	113378	1.73%	0.174%
21	7.942	518	521	522	rBV	1408299	1772444	27.07%	2.726%
22	7.964	522	523	524	rVV	323653	262504	4.01%	0.404%
23	8.033	527	529	531	rVB2	74179	86161	1.32%	0.133%
24	8.102	531	535	536	rBV3	57132	111826	1.71%	0.172%
25	8.136	536	538	540	rBV	155994	161858	2.47%	0.249%
26	8.182	540	542	543	rBV	107735	100524	1.54%	0.155%
27	8.216	543	545	549	rVB3	85119	139651	2.13%	0.215%
28	8.330	553	555	557	rVB	195390	207125	3.16%	0.319%
29	8.410	557	562	564	rBV	546904	589124	9.00%	0.906%
30	8.445	564	565	568	rVB3	101336	132099	2.02%	0.203%
31	8.502	568	570	571	rBV	121346	134215	2.05%	0.206%
32	8.525	571	572	574	rVB	124433	161512	2.47%	0.248%
33	8.605	577	579	581	rVB	319956	307926	4.70%	0.474%
34	8.753	588	592	594	rBV	2211151	2688677	41.06%	4.135%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083157.D
Acq On : 22 Nov 2015 14:19
Operator : UM/IZ
Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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	8.787	594	595	597	rVB	106966	101022	1.54%	0.155%
36	8.856	598	601	602	rVV2	67621	93609	1.43%	0.144%
37	8.890	602	604	606	rVV2	66159	98928	1.51%	0.152%
38	9.016	612	615	618	rVV	5319315	6547428	100.00%	10.070%
39	9.119	622	624	625	rBV2	51472	75630	1.16%	0.116%
40	9.153	625	627	629	rVV2	102682	188472	2.88%	0.290%
41	9.187	629	630	632	rVV2	134854	199116	3.04%	0.306%
42	9.222	632	633	635	rVB	254233	191025	2.92%	0.294%
43	9.279	635	638	640	rBV2	299842	395444	6.04%	0.608%
44	9.347	642	644	646	rVV	751330	955376	14.59%	1.469%
45	9.416	649	650	652	rVV	121847	135953	2.08%	0.209%
46	9.462	652	654	658	rVV	564664	816943	12.48%	1.256%
47	9.542	659	661	664	rBV	492264	614757	9.39%	0.945%
48	9.690	671	674	675	rBV	1448585	1915658	29.26%	2.946%
49	9.713	675	676	681	rVV3	225072	384818	5.88%	0.592%
50	9.793	681	683	685	rVV	102425	153919	2.35%	0.237%
51	9.839	685	687	689	rVV	85312	111061	1.70%	0.171%
52	9.885	689	691	693	rVV2	235612	356521	5.45%	0.548%
53	9.930	693	695	696	rVV	220453	225265	3.44%	0.346%
54	9.965	696	698	700	rVB	87513	80139	1.22%	0.123%
55	10.010	700	702	703	rBV	236199	302568	4.62%	0.465%
56	10.090	706	709	710	rBV2	140892	258869	3.95%	0.398%
57	10.113	710	711	712	rVB	164119	113850	1.74%	0.175%
58	10.182	716	717	719	rVB2	89926	90051	1.38%	0.138%
59	10.228	719	721	724	rBV	405291	389411	5.95%	0.599%
60	10.296	724	727	730	rBV	367109	577577	8.82%	0.888%
61	10.422	737	738	740	rVB	149866	183223	2.80%	0.282%
62	10.479	740	743	745	rBV	3051250	4113352	62.82%	6.326%
63	10.525	745	747	749	rVB2	81525	99352	1.52%	0.153%
64	10.605	752	754	757	rVB3	73843	98764	1.51%	0.152%
65	10.673	758	760	761	rBV2	81466	87551	1.34%	0.135%
66	10.776	767	769	770	rBV2	102198	144150	2.20%	0.222%
67	10.799	770	771	775	rVV2	152276	290469	4.44%	0.447%
68	10.925	778	782	783	rBV4	92001	185885	2.84%	0.286%
69	11.051	792	793	797	rVB3	106400	178534	2.73%	0.275%
70	11.165	800	803	804	rVV	1463891	1712491	26.16%	2.634%
71	11.188	804	805	807	rVV	115362	115997	1.77%	0.178%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083157.D
Acq On : 22 Nov 2015 14:19
Operator : UM/IZ
Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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	11.279	811	813	814	rBV	118534	135316	2.07%	0.208%
73	11.416	823	825	828	rVB3	128209	177086	2.70%	0.272%
74	11.725	849	852	854	rBV2	609030	770861	11.77%	1.186%
75	12.399	910	911	917	rBV3	98203	216776	3.31%	0.333%
76	12.502	917	920	927	rVB	1154267	1174793	17.94%	1.807%
77	12.754	939	942	944	rBV	4670791	5798981	88.57%	8.919%
78	13.656	1019	1021	1024	rBV	77067	79418	1.21%	0.122%
79	13.782	1030	1032	1035	rVB	1441479	1484906	22.68%	2.284%
80	15.154	1149	1152	1155	rBV	901204	1217563	18.60%	1.873%

Sum of corrected areas: 65021354

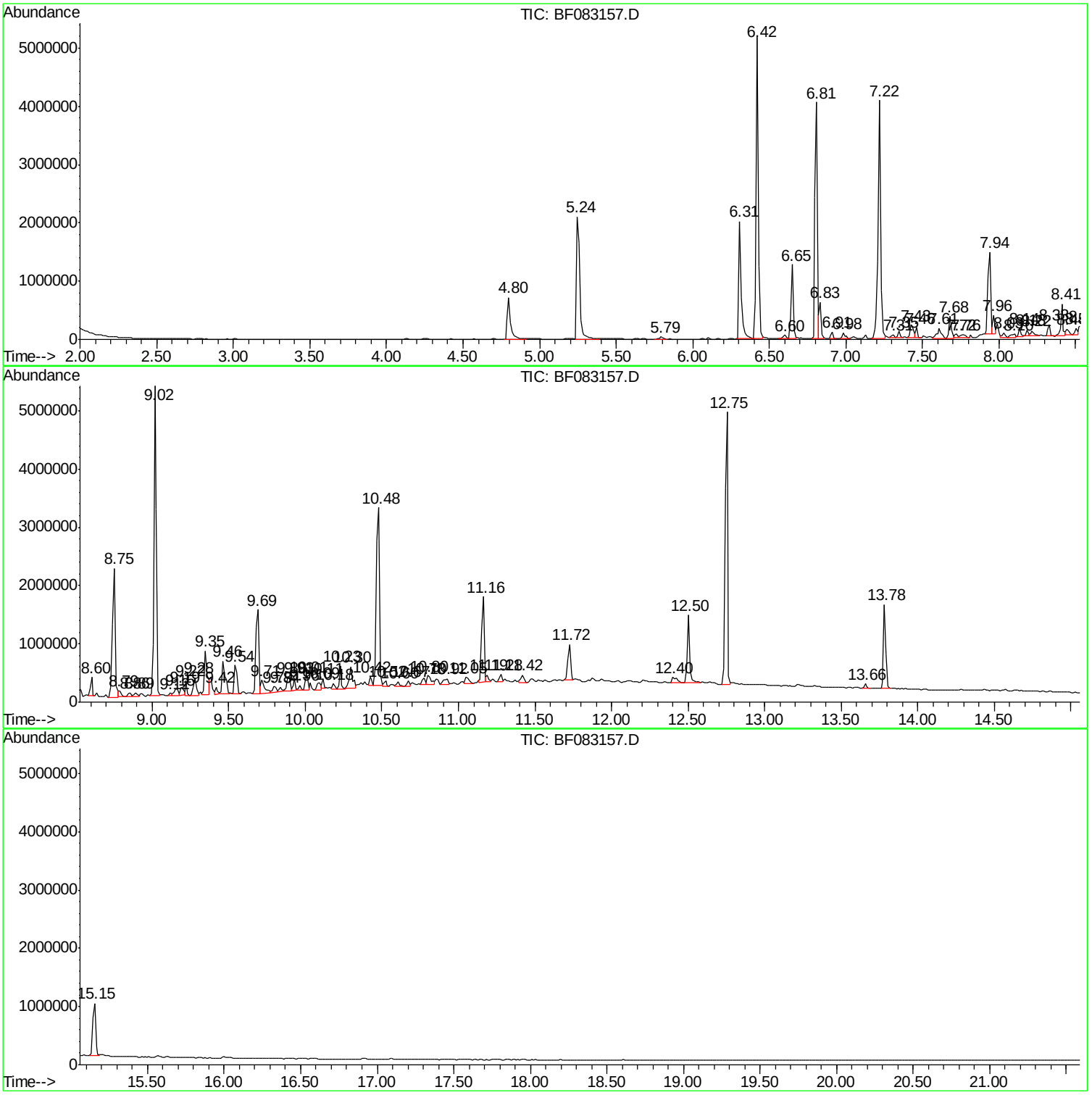
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083157.D
Acq On : 22 Nov 2015 14:19
Operator : UM/IZ
Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083157.D
Acq On : 22 Nov 2015 14:19
Operator : UM/IZ
Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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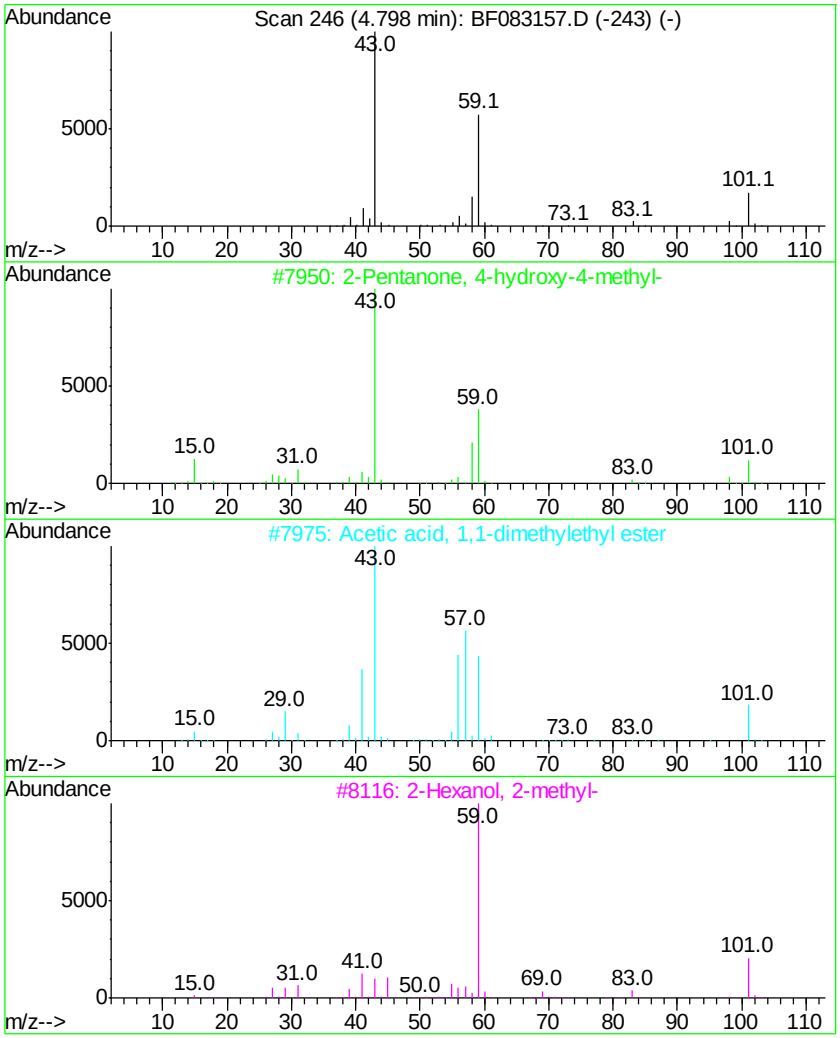
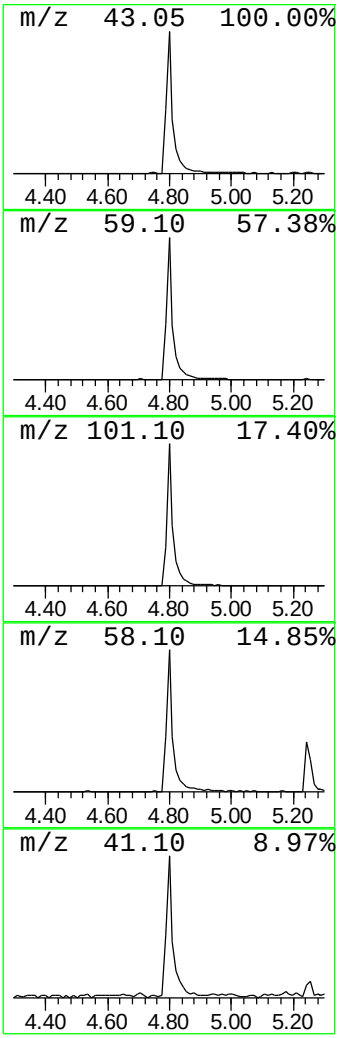
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	17.38 ng	1077290	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	53
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
4	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083157.D
Acq On : 22 Nov 2015 14:19
Operator : UM/IZ
Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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

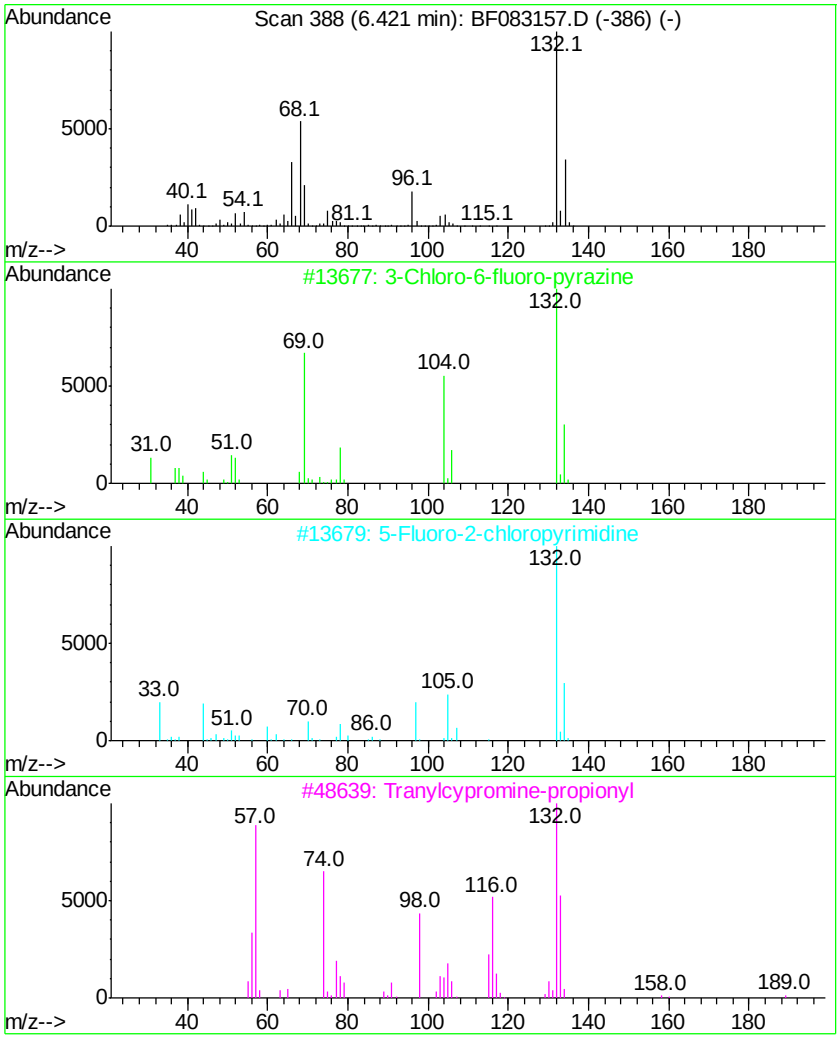
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

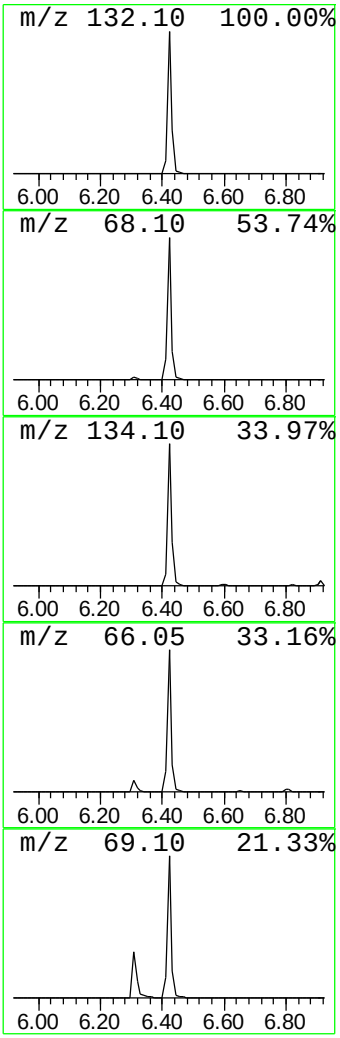
****

Peak Number 2 unknown6.42 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	79.50 ng	4926710	1,4-Dichlorobenzene-d4	6.65

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	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 : BF083157.D
Acq On : 22 Nov 2015 14:19
Operator : UM/IZ
Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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

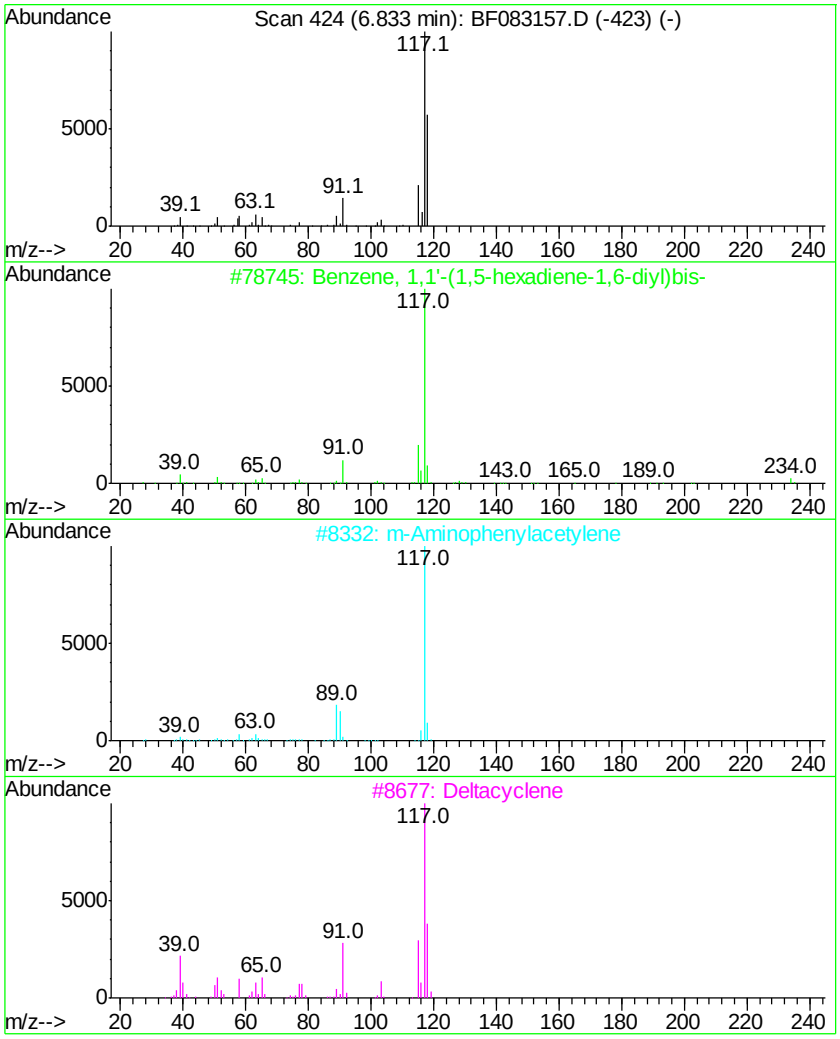
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

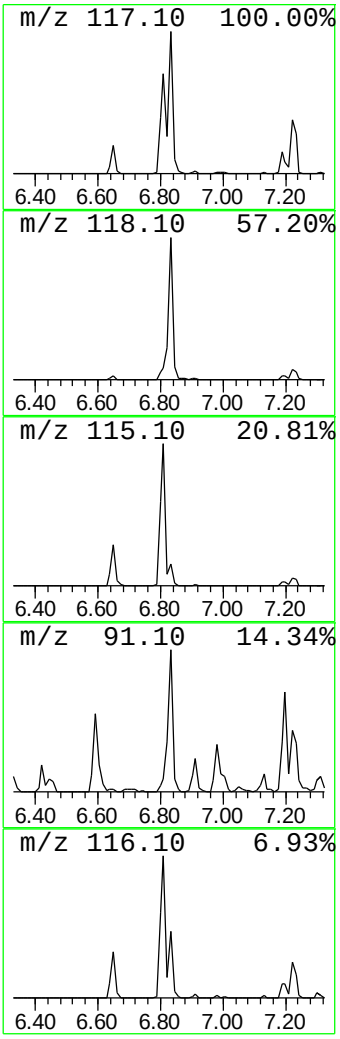
****

Peak Number 4 Benzene, 1,1'-(1,5-hexadien... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	7.99 ng	494977	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
2	m-Aminophenylacetylene	117	C8H7N	054060-30-9	43
3	Deltacyclene	118	C9H10	007785-10-6	38
4	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	38
5	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	32





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083157.D
Acq On : 22 Nov 2015 14:19
Operator : UM/IZ
Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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

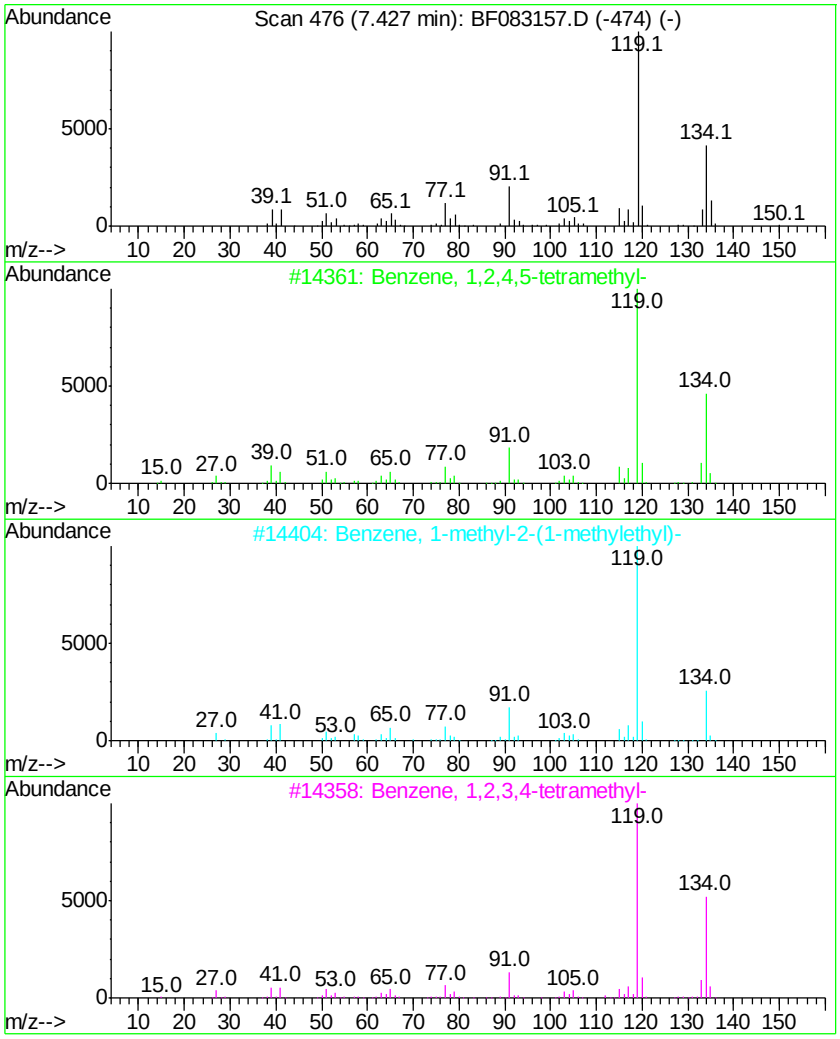
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

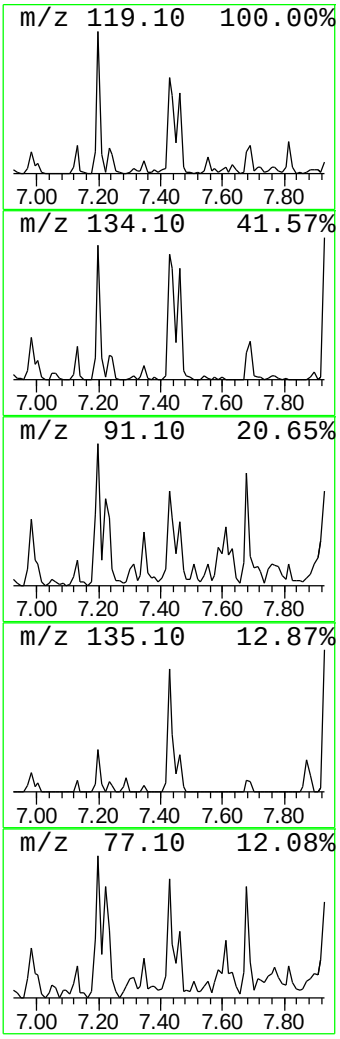
****

Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	3.71 ng	329009	Naphthalene-d8	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083157.D
Acq On : 22 Nov 2015 14:19
Operator : UM/IZ
Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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

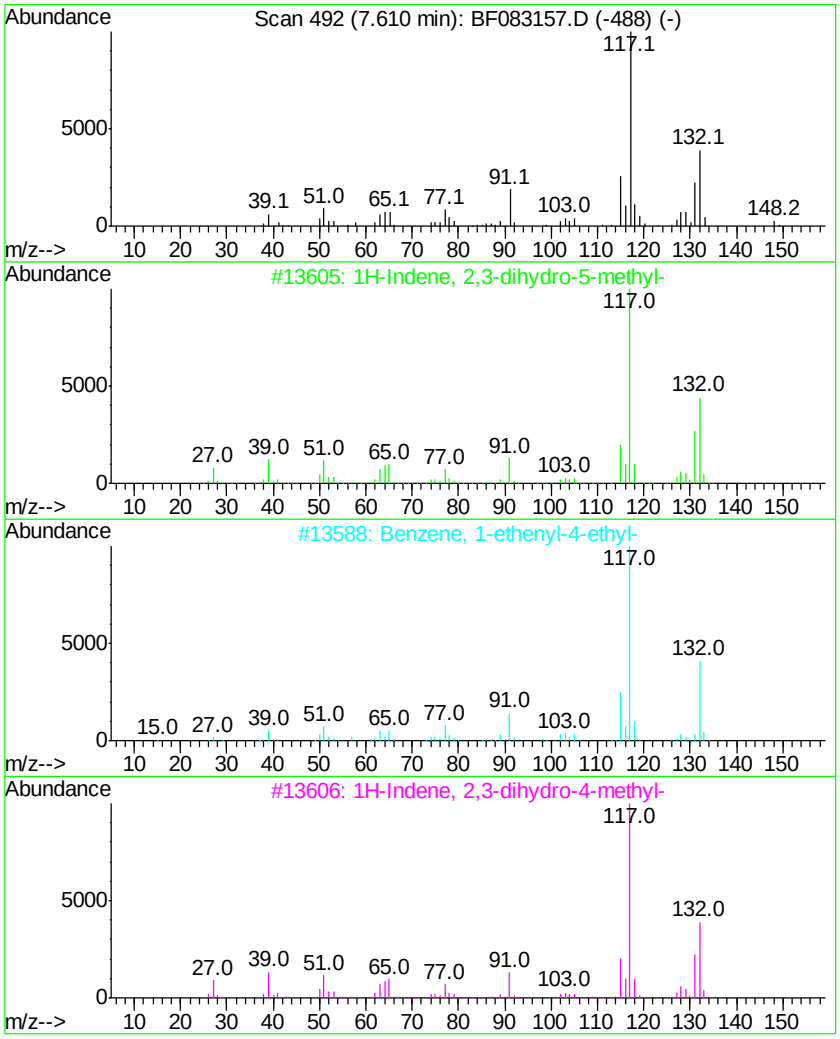
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

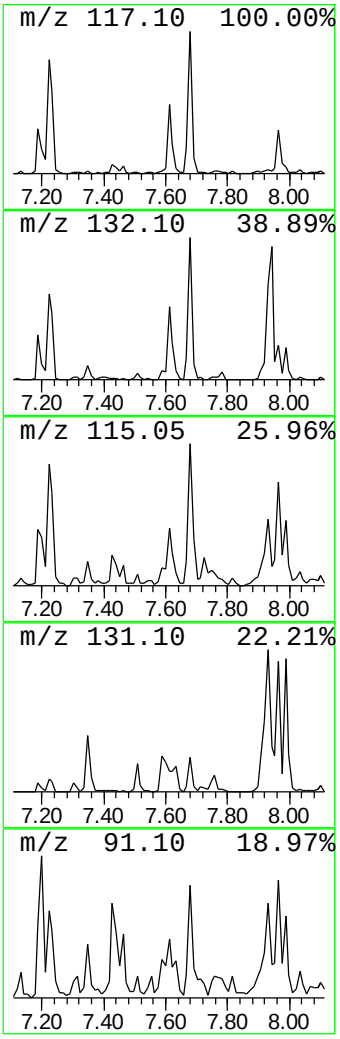
****

Peak Number 6 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	3.96 ng	351200	Naphthalene-d8	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083157.D
Acq On : 22 Nov 2015 14:19
Operator : UM/IZ
Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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

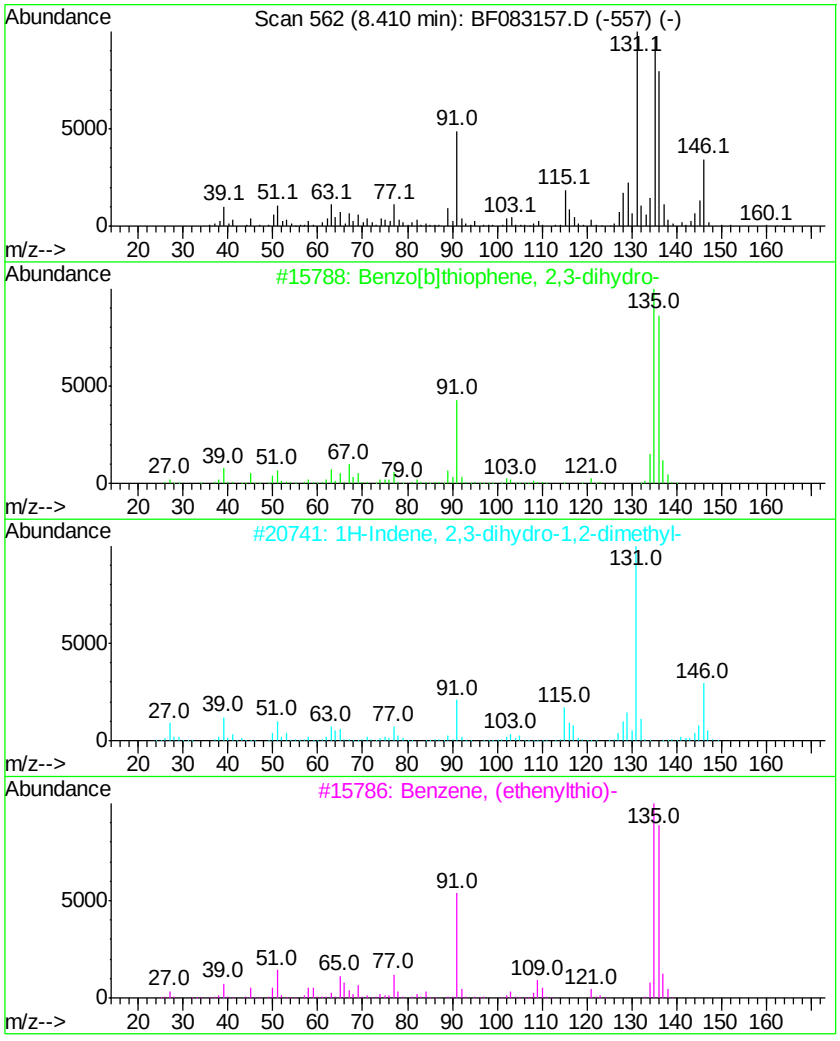
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

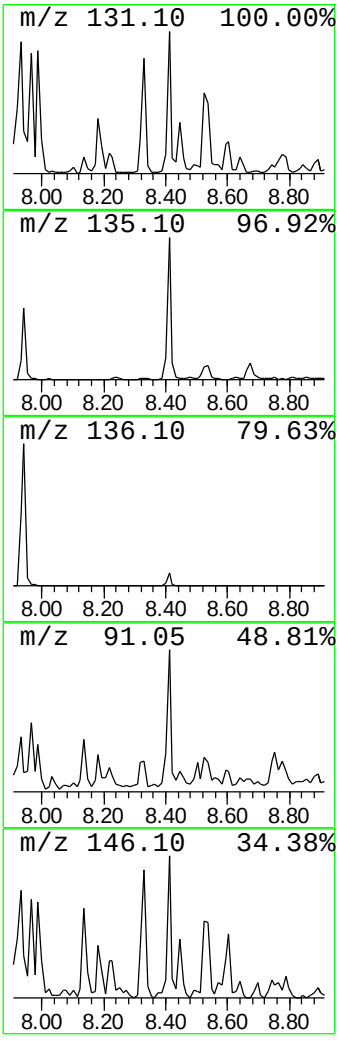
****

Peak Number 8 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	6.65 ng	589124	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	87
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	55
3	Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	50
4	Benzo[c]thiophene, 1,3-dihydro-	136	C8H8S	002471-92-3	50
5	Benzaldehyde, 4-methoxy-	136	C8H8O2	000123-11-5	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
Data File : BF083157.D
Acq On : 22 Nov 2015 14:19
Operator : UM/IZ
Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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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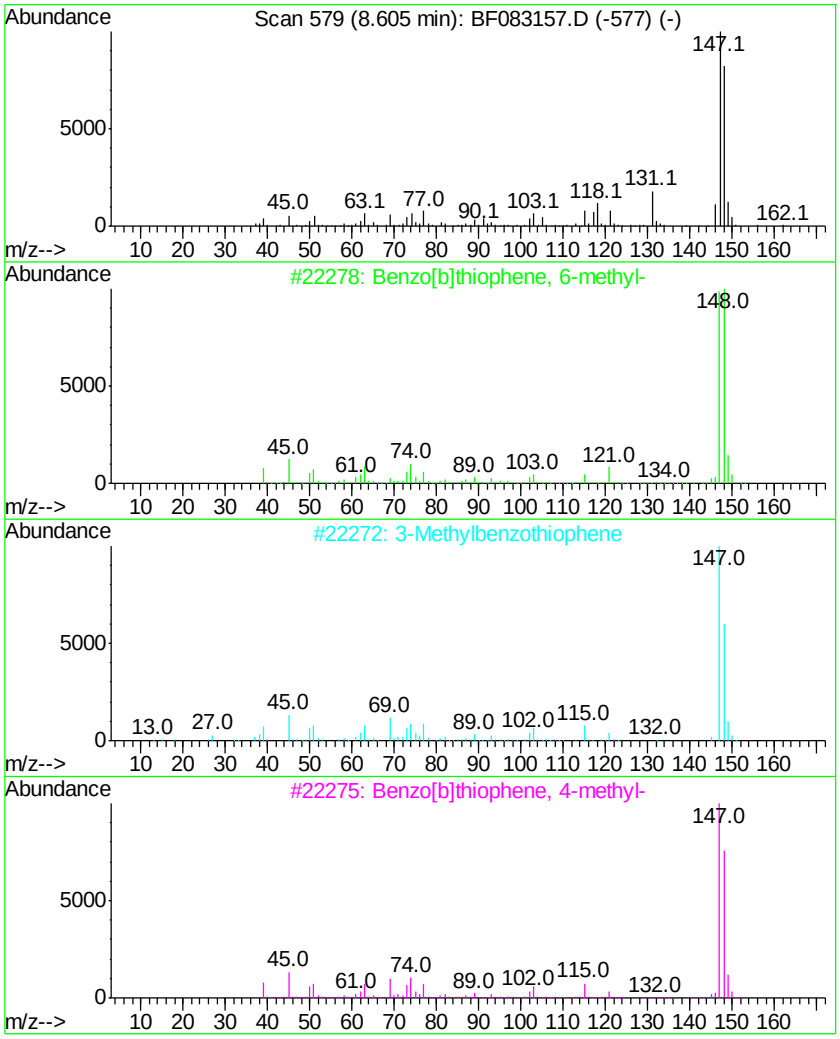
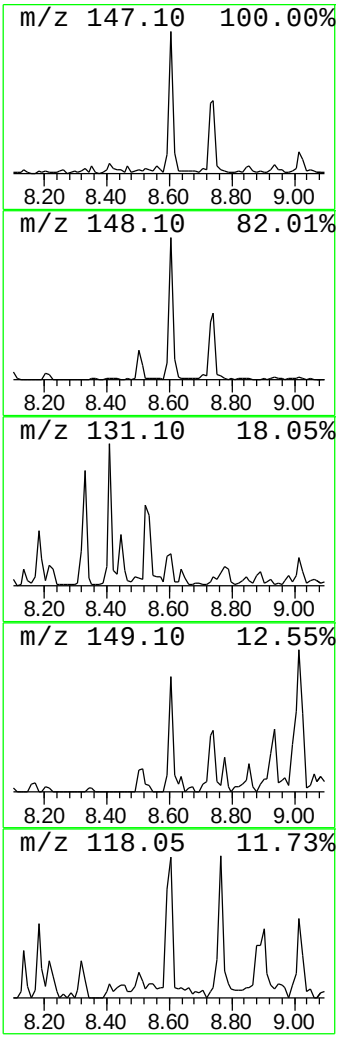
Peak Number 9 Benzo[b]thiophene, 6-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	3.47 ng	307926	Naphthalene-d8	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	87
2	3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
3	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	83
4	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	83
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	81





Library Search Compound Report

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Data File : BF083157.D
Acq On : 22 Nov 2015 14:19
Operator : UM/IZ
Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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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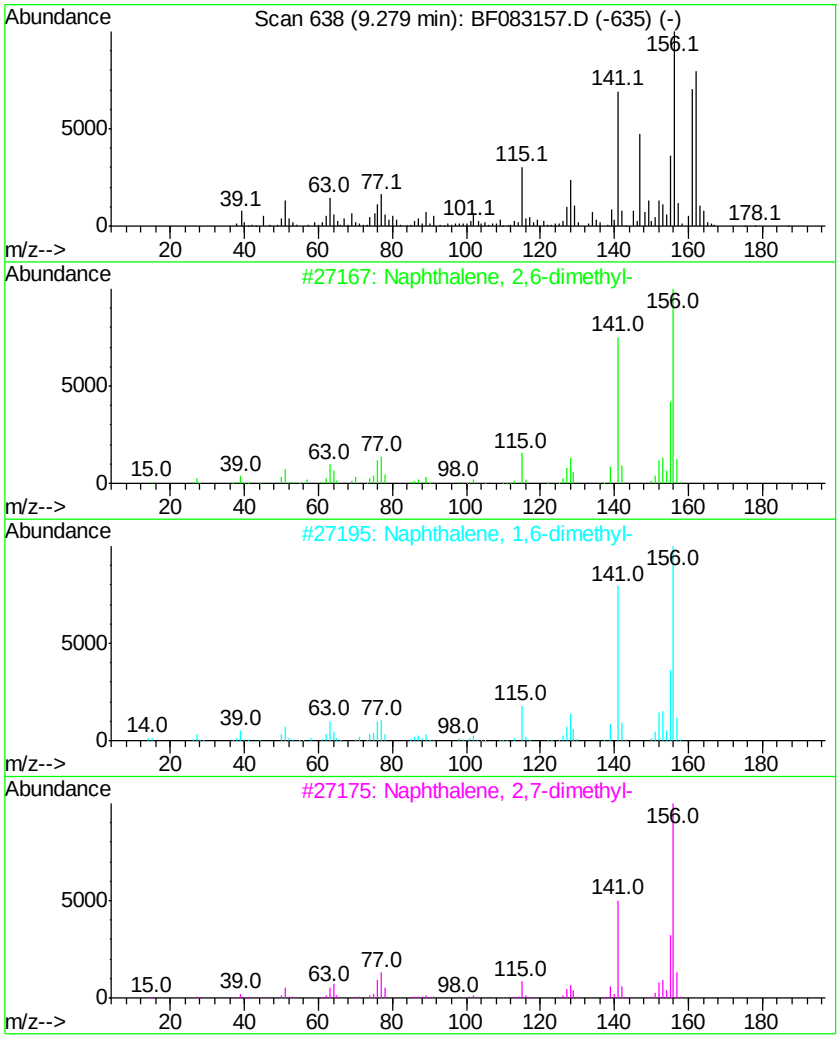
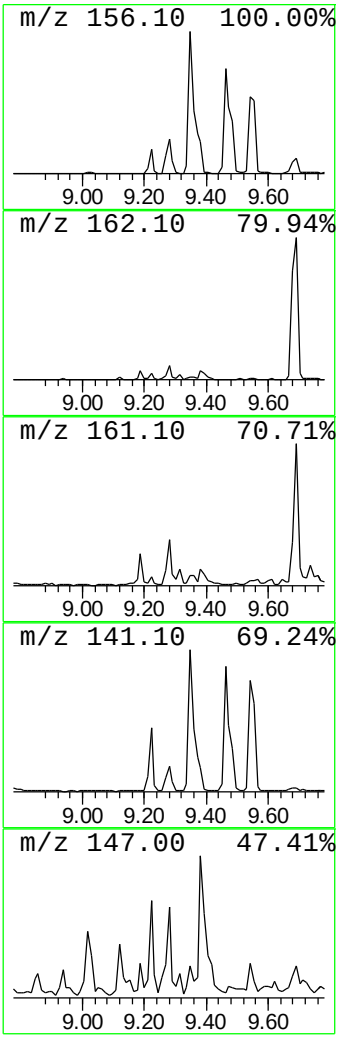
Peak Number 11 Naphthalene, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	4.13 ng	395444	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	89
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	89
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	89





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ClientSampleId : MW-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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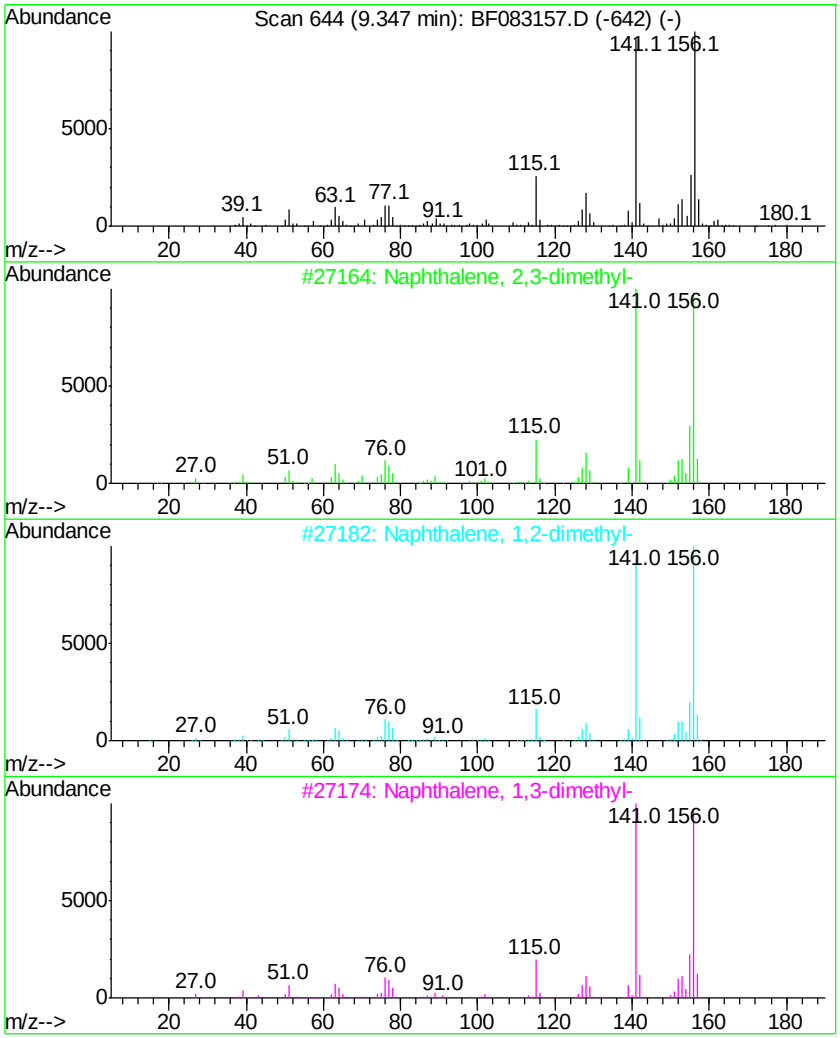
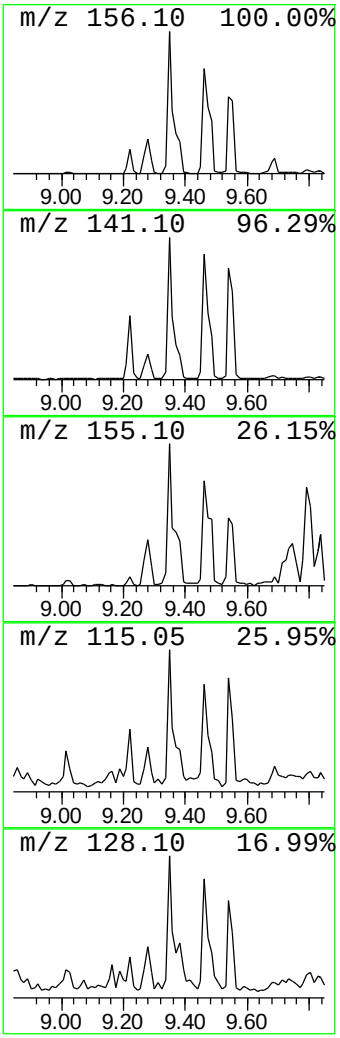
Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	9.97 ng	955376	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, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Library Search Compound Report

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Sample : G4504-05
Misc :
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Instrument : BNA_F
ClientSampleId : MW-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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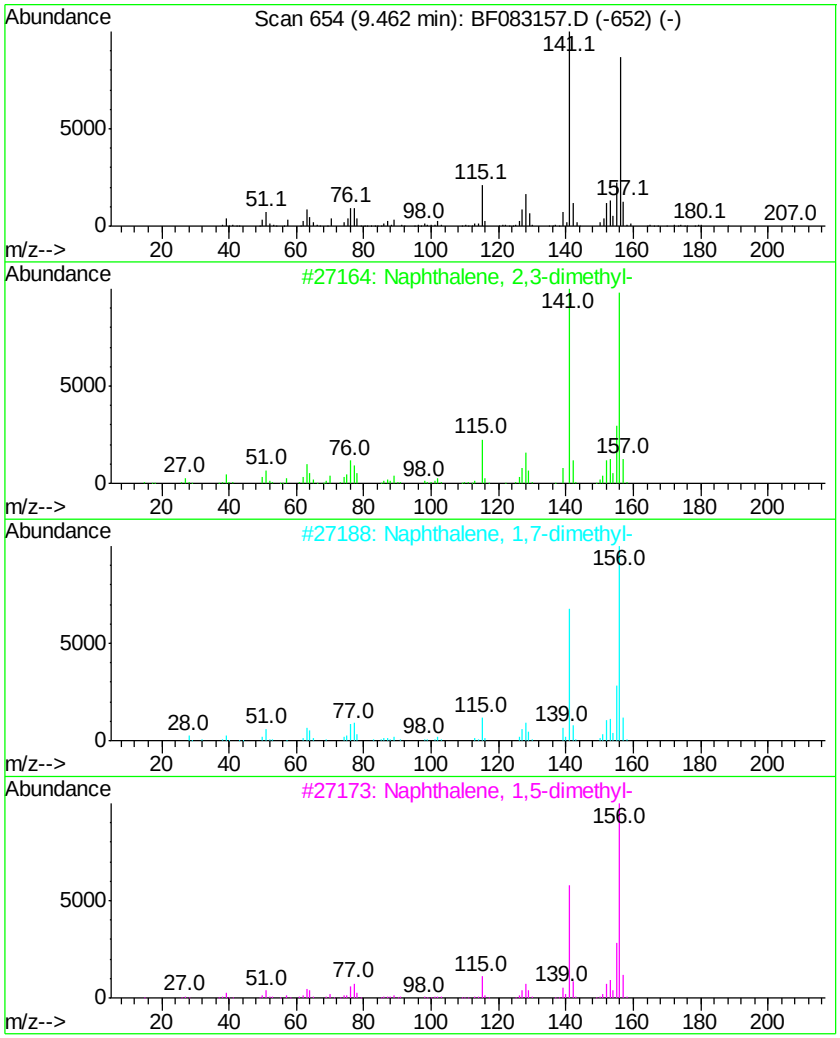
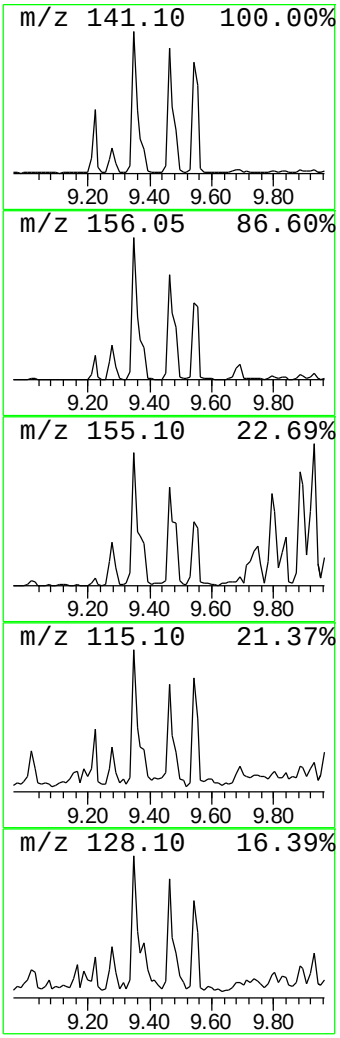
Peak Number 13 Naphthalene, 1,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	8.53 ng	816943	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, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





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Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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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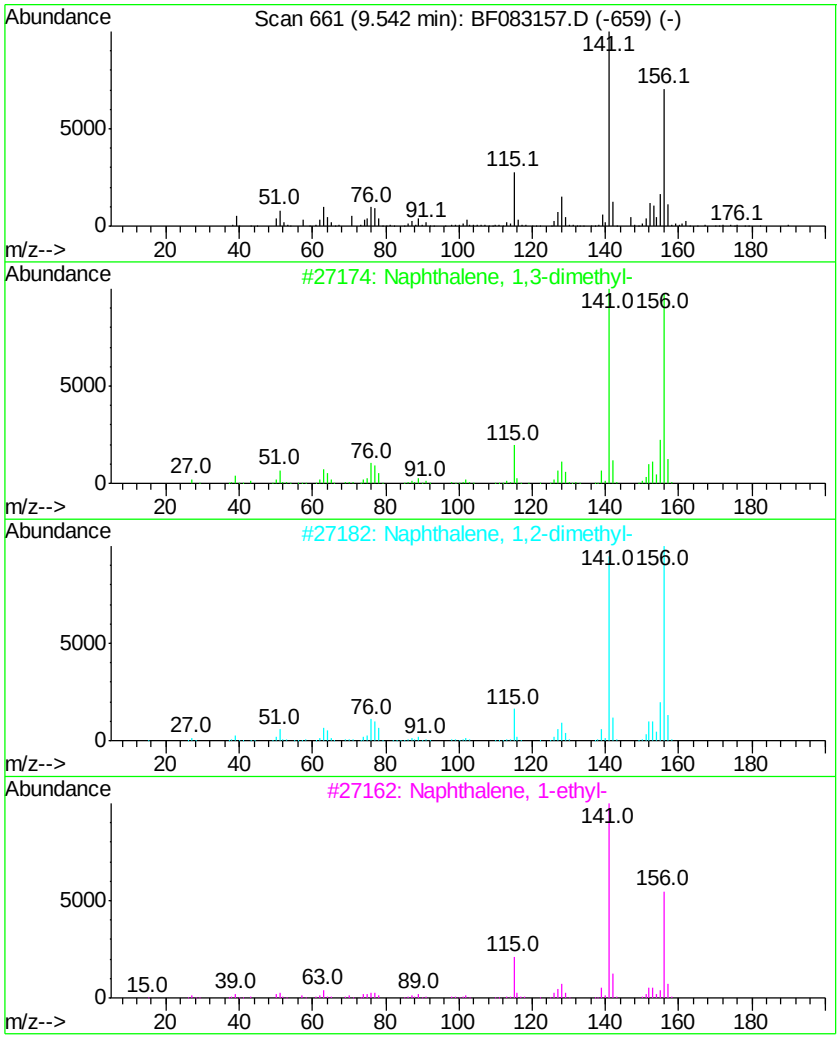
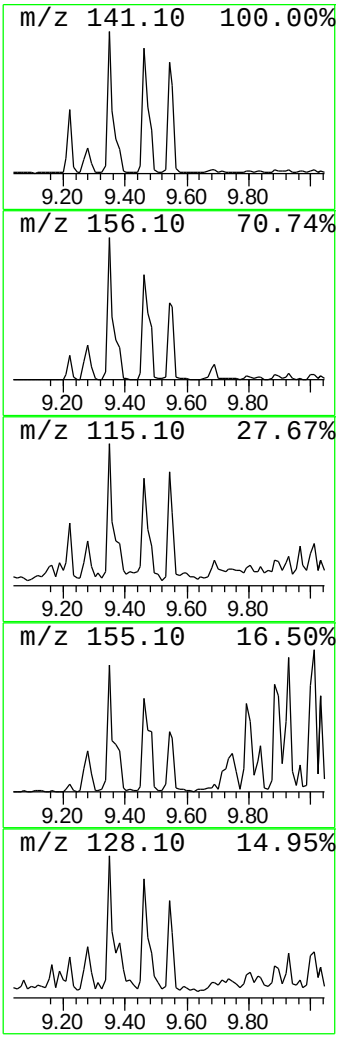
Peak Number 14 Naphthalene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	6.42 ng	614757	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93





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Operator : UM/IZ
Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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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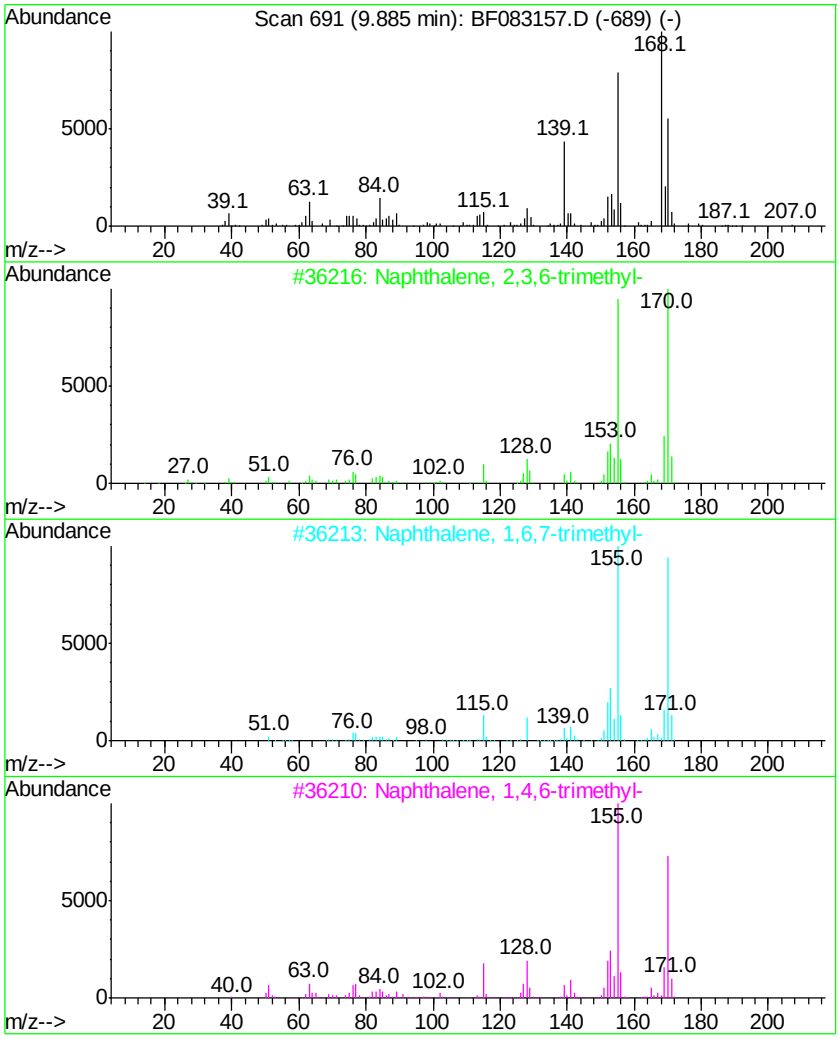
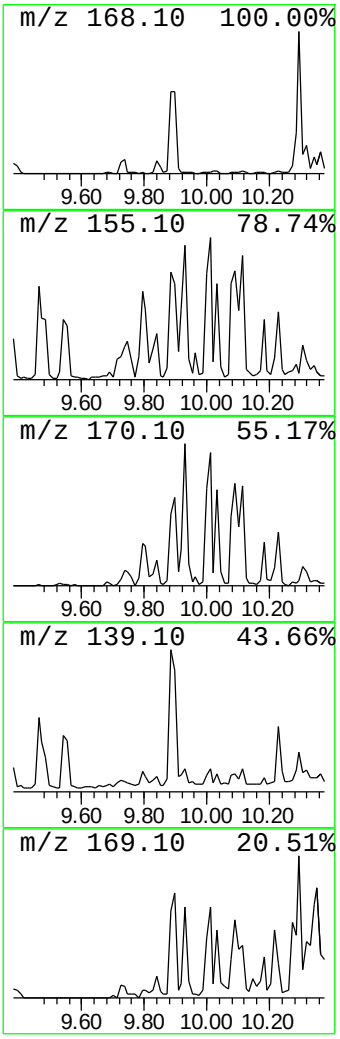
Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	3.72 ng	356521	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	89
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	87
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	49





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Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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

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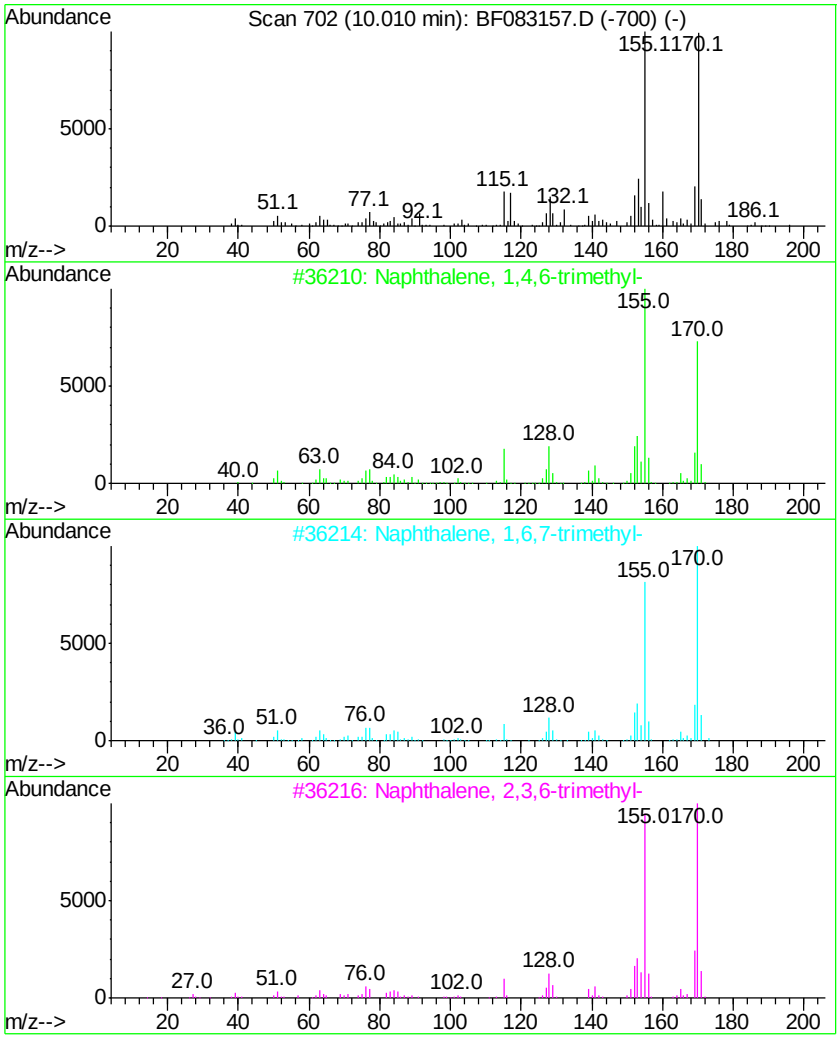
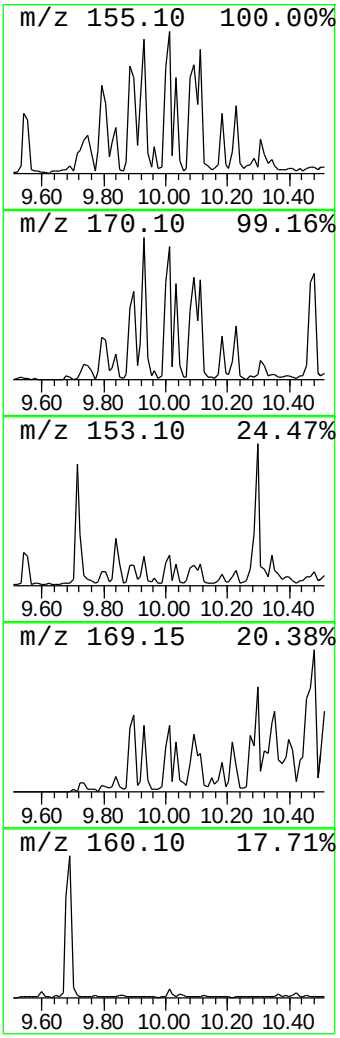
Peak Number 16 Naphthalene, 1,4,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	3.16 ng	302568	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	91





Library Search Compound Report

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Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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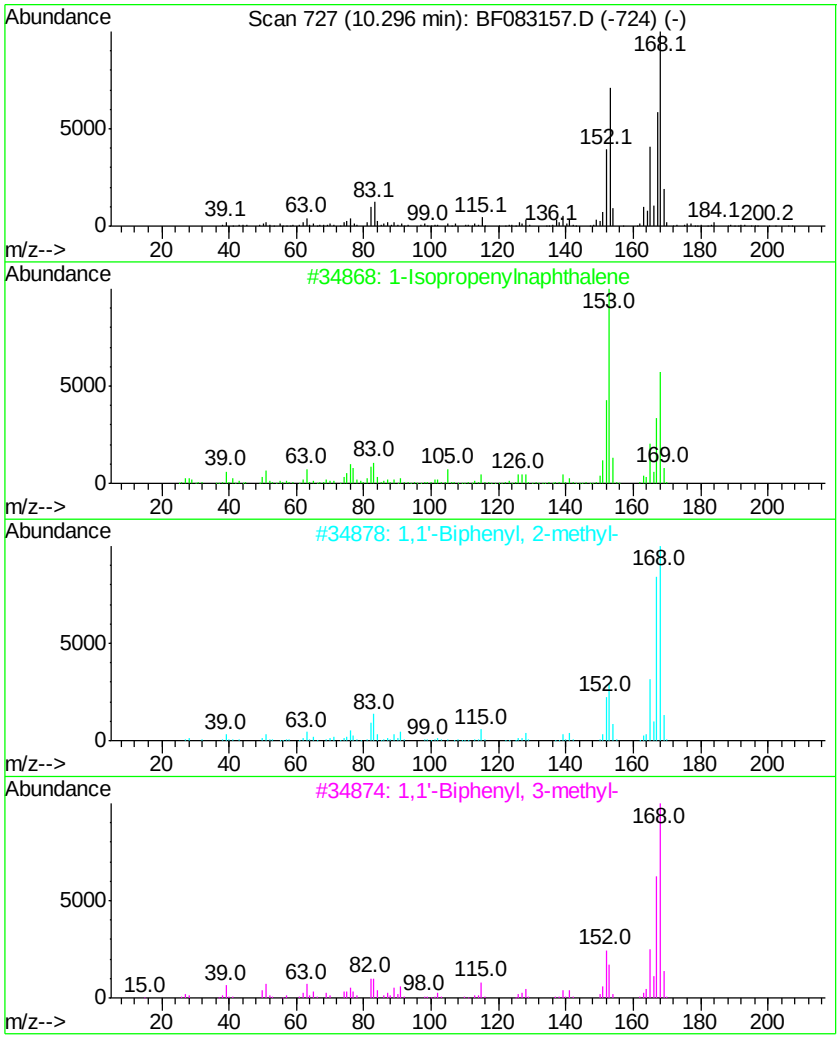
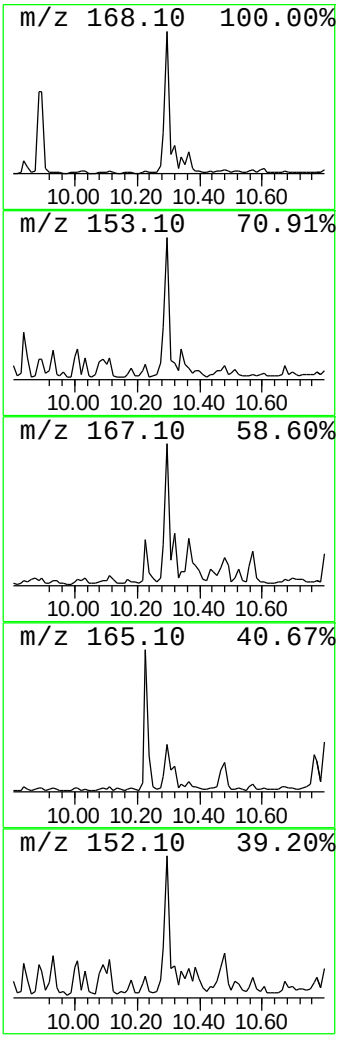
Peak Number 17 1-Isopropenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	6.03 ng	577577	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	68
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	58
4	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	50
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	46





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Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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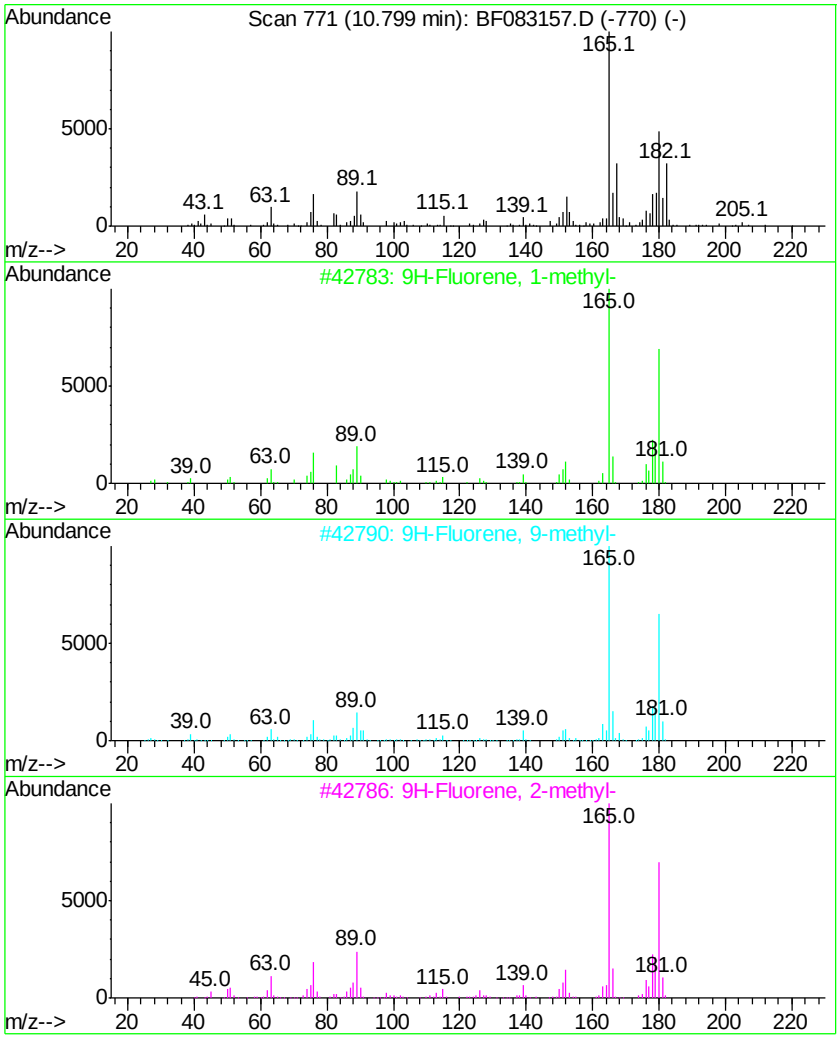
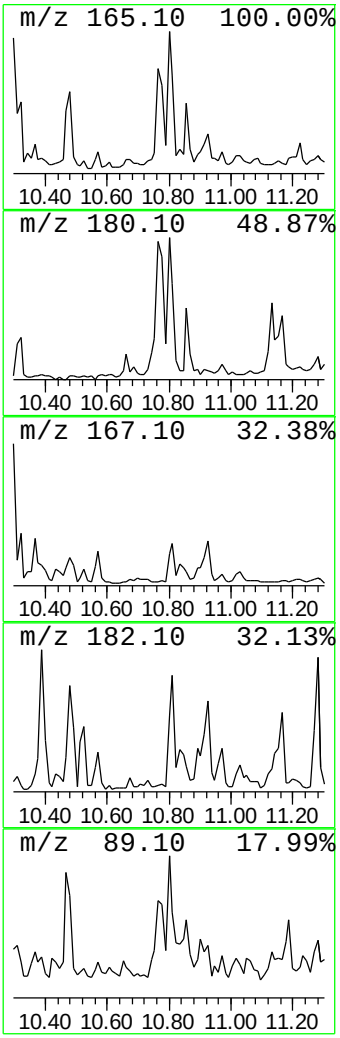
Peak Number 18 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	3.39 ng	290469	Phenanthrene-d10	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
4	Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	86
5	3-Buten-2-one, 4-(4-chlorophenyl)-	180	C10H9ClO	003160-40-5	72





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ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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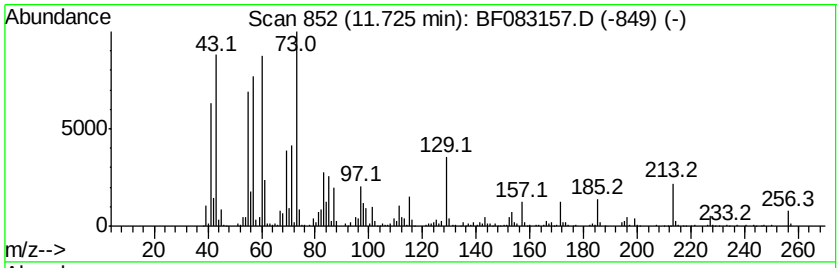
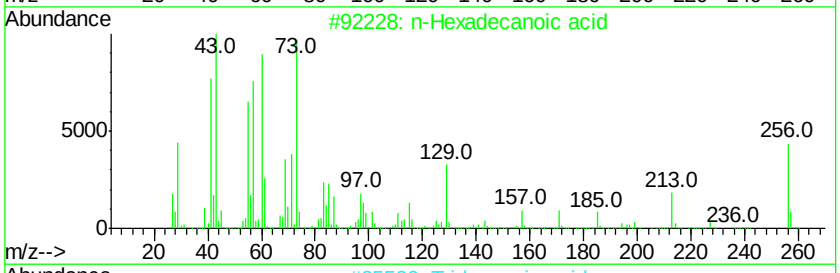
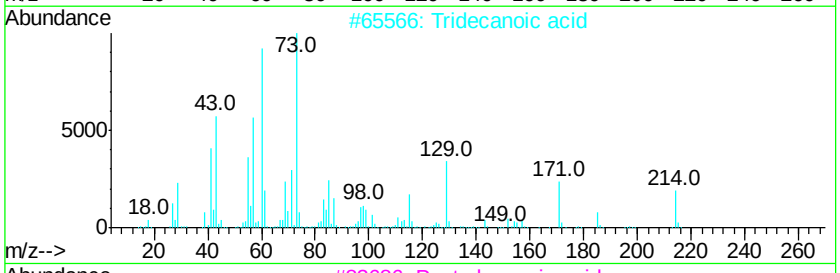
Peak Number 19 n-Hexadecanoic acid Concentration Rank 7

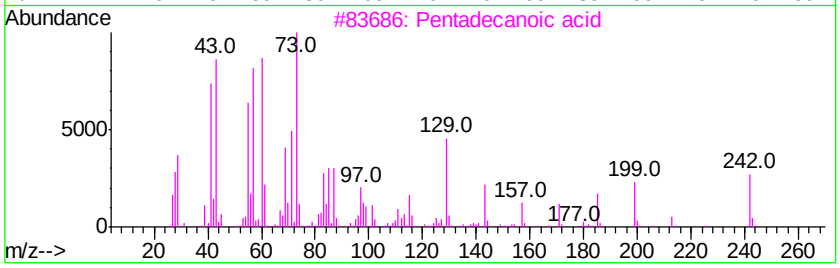
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	9.00 ng	770861	Phenanthrene-d10	11.16

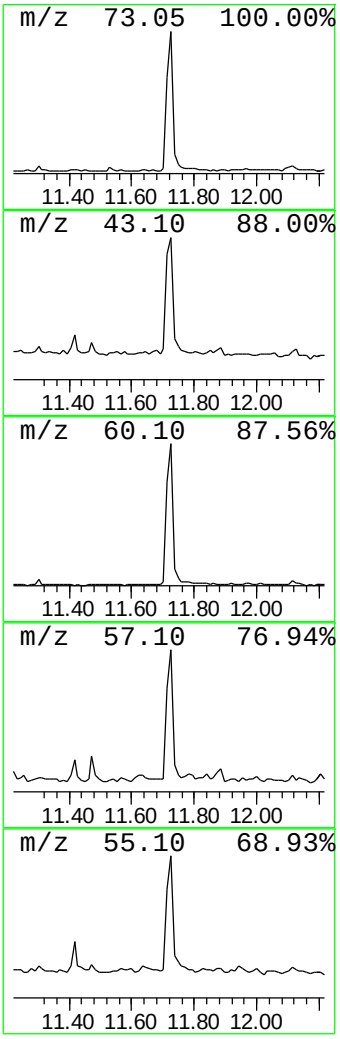
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Dodecane, 1,2-dibromo-	326	C12H24Br2	055334-42-4	20











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Data File : BF083157.D
Acq On : 22 Nov 2015 14:19
Operator : UM/IZ
Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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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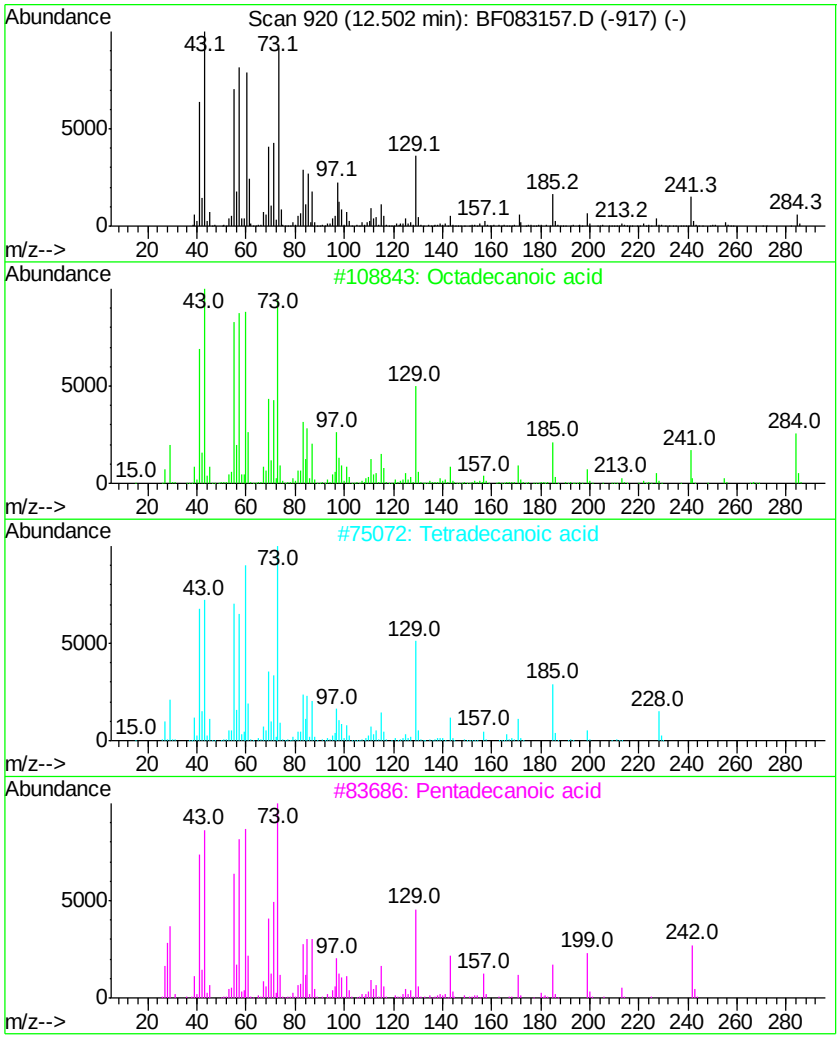
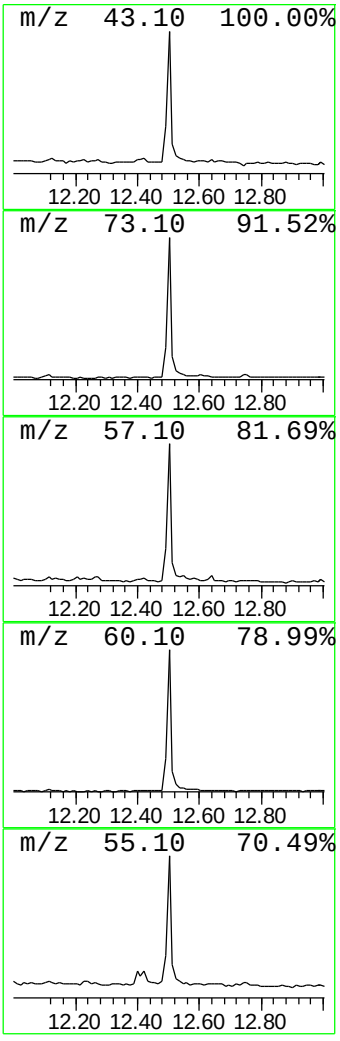
Peak Number 20 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	15.82 ng	1174790	Chrysene-d12	13.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	96
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	89
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Tridecanoic acid	214	C13H26O2	000638-53-9	68
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





Tentatively Identified Compound (LSC) summary

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Data File : BF083157.D
Acq On : 22 Nov 2015 14:19
Operator : UM/IZ
Sample : G4504-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-01

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...	4.80	17.4	ng	1077290	1	6.65	1239350	20.0
unknown6.42	6.42	79.5	ng	4926710	1	6.65	1239350	20.0
Benzene, 1,1'-(1,...	6.83	8.0	ng	494977	1	6.65	1239350	20.0
Benzene, 1,2,4,5-...	7.43	3.7	ng	329009	2	7.94	1772440	20.0
1H-Indene, 2,3-di...	7.61	4.0	ng	351200	2	7.94	1772440	20.0
Benzo[b]thiophene...	8.41	6.7	ng	589124	2	7.94	1772440	20.0
Benzo[b]thiophene...	8.60	3.5	ng	307926	2	7.94	1772440	20.0
Naphthalene, 2,6-...	9.28	4.1	ng	395444	3	9.69	1915660	20.0
Naphthalene, 2,3-...	9.35	10.0	ng	955376	3	9.69	1915660	20.0
Naphthalene, 1,7-...	9.46	8.5	ng	816943	3	9.69	1915660	20.0
Naphthalene, 1,3-...	9.54	6.4	ng	614757	3	9.69	1915660	20.0
Naphthalene, 2,3,...	9.88	3.7	ng	356521	3	9.69	1915660	20.0
Naphthalene, 1,4,...	10.01	3.2	ng	302568	3	9.69	1915660	20.0
1-Isopropenylnaph...	10.30	6.0	ng	577577	3	9.69	1915660	20.0
9H-Fluorene, 1-me...	10.80	3.4	ng	290469	4	11.16	1712490	20.0
n-Hexadecanoic acid	11.72	9.0	ng	770861	4	11.16	1712490	20.0
Octadecanoic acid	12.50	15.8	ng	1174790	5	13.78	1484910	20.0