LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087021.D
Acq On : 14 May 2016 15:44
Operator : UM/SJ
Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

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-BF050916.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	1.735	11	13	65	rVB	4346751	9352402	100.00%	13.591%
2	4.741	274	276	288	rBV	254518	387818	4.15%	0.564%
3	5.199	314	316	333	rBV	2094480	2431097	25.99%	3.533%
4	5.747	363	364	367	rVB	104293	106212	1.14%	0.154%
5	6.273	408	410	417	rBV	1438632	1787110	19.11%	2.597%
6	6.387	417	420	422	rVV	3766549	4248244	45.42%	6.174%
7	6.559	432	435	437	rVV2	71677	132318	1.41%	0.192%
8	6.604	437	439	445	rVB	706001	991686	10.60%	1.441%
9	6.765	451	453	458	rVB	3314149	3515704	37.59%	5.109%
10	6.867	460	462	467	rVB	247054	260347	2.78%	0.378%
11	6.959	467	470	472	rBV	197546	199859	2.14%	0.290%
12	7.153	484	487	488	rBV	520108	627421	6.71%	0.912%
13	7.187	488	490	492	rVV	3421275	3563478	38.10%	5.179%
14	7.267	495	497	498	rVV	113948	133687	1.43%	0.194%
15	7.302	498	500	504	rVV	151382	218679	2.34%	0.318%
16	7.393	504	508	510	rVB	613726	633820	6.78%	0.921%
17	7.553	520	522	527	rVB3	273084	494858	5.29%	0.719%
18	7.633	527	529	532	rBV2	853643	1196052	12.79%	1.738%
19	7.713	534	536	540	rVB3	102258	177557	1.90%	0.258%
20	7.850	543	548	549	rBV	133126	298125	3.19%	0.433%
21	7.896	550	552	555	rVV	1481366	1894822	20.26%	2.754%
22	7.953	555	557	559	rVB	238413	326339	3.49%	0.474%
23	7.999	559	561	562	rVB	95005	106559	1.14%	0.155%
24	8.102	568	570	572	rBV	375235	571977	6.12%	0.831%
25	8.148	572	574	575	rVB	298796	336107	3.59%	0.488%
26	8.182	575	577	580	rVB4	169518	279620	2.99%	0.406%
27	8.285	582	586	587	rBV2	250317	370288	3.96%	0.538%
28	8.365	591	593	595	rBV	340973	476511	5.10%	0.692%
29	8.399	595	596	599	rVB	167638	190361	2.04%	0.277%
30	8.468	599	602	603	rBV	249401	330344	3.53%	0.480%
31	8.559	608	610	612	rVB	618576	548562	5.87%	0.797%
32	8.593	612	613	615	rBV2	97211	120433	1.29%	0.175%
33	8.650	615	618	619	rVB2	81195	108530	1.16%	0.158%
34	8.719	619	624	628	rBV5	419991	985206	10.53%	1.432%

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Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

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-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.822	628	633	634	rBV2	148592	380210	4.07%	0.553%
36	8.868	635	637	639	rVV2	135476	204706	2.19%	0.297%
37	8.902	639	640	644	rVB3	63526	107683	1.15%	0.156%
38	8.982	644	647	649	rBV	4933408	4944404	52.87%	7.185%
39	9.119	657	659	661	rVV	250070	269579	2.88%	0.392%
40	9.176	661	664	667	rVB	272526	501211	5.36%	0.728%
41	9.233	667	669	673	rBV2	437593	750899	8.03%	1.091%
42	9.302	673	675	678	rBV2	476134	833271	8.91%	1.211%
43	9.382	680	682	684	rVV	130268	260526	2.79%	0.379%
44	9.428	684	686	691	rVB	562165	981434	10.49%	1.426%
45	9.508	691	693	695	rBV	791831	728295	7.79%	1.058%
46	9.599	697	701	703	rBV4	95809	200920	2.15%	0.292%
47	9.645	703	705	707	rBV	1497644	1538663	16.45%	2.236%
48	9.679	707	708	710	rVB2	455007	368895	3.94%	0.536%
49	9.759	713	715	717	rBV2	242288	356033	3.81%	0.517%
50	9.851	721	723	725	rVB2	168390	192919	2.06%	0.280%
51	9.896	725	727	728	rBV	146517	169727	1.81%	0.247%
52	9.988	731	735	736	rBV2	421074	706517	7.55%	1.027%
53	10.022	736	738	739	rVV2	207648	211287	2.26%	0.307%
54	10.091	741	744	745	rVV3	140721	301778	3.23%	0.439%
55	10.125	745	747	750	rVB2	299012	414170	4.43%	0.602%
56	10.193	750	753	754	rVB3	350257	510574	5.46%	0.742%
57	10.262	754	759	762	rBV3	573302	1209625	12.93%	1.758%
58	10.445	770	775	777	rBV3	2499470	4810251	51.43%	6.990%
59	10.479	777	778	781	rVV2	615438	776518	8.30%	1.128%
60	10.559	783	785	789	rVB3	234283	420248	4.49%	0.611%
61	10.731	797	800	802	rBV3	134733	369339	3.95%	0.537%
62	10.765	802	803	806	rVB	245392	251423	2.69%	0.365%
63	10.822	806	808	811	rBV2	77008	111058	1.19%	0.161%
64	10.868	811	812	816	rVB4	158807	294793	3.15%	0.428%
65	10.971	819	821	823	rBV2	138483	251882	2.69%	0.366%
66	11.119	833	834	836	rVV	931566	1143497	12.23%	1.662%
67	11.679	881	883	887	rBV2	297651	313343	3.35%	0.455%
68	11.896	900	902	906	rBV	129416	196498	2.10%	0.286%
69	12.171	924	926	930	rVB	70682	106719	1.14%	0.155%
70	12.457	949	951	957	rVV	177733	214355	2.29%	0.312%
71	12.548	957	959	962	rVB3	153631	175237	1.87%	0.255%

LSC Area Percent Report

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Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.708	970	973	976	rBV	3206072	3901567	41.72%	5.670%
73	13.611	1050	1052	1058	rVB	131866	184208	1.97%	0.268%
74	13.748	1062	1064	1067	rBV	982625	961576	10.28%	1.397%
75	15.108	1181	1183	1186	rBV	690940	783858	8.38%	1.139%

Sum of corrected areas: 68811829

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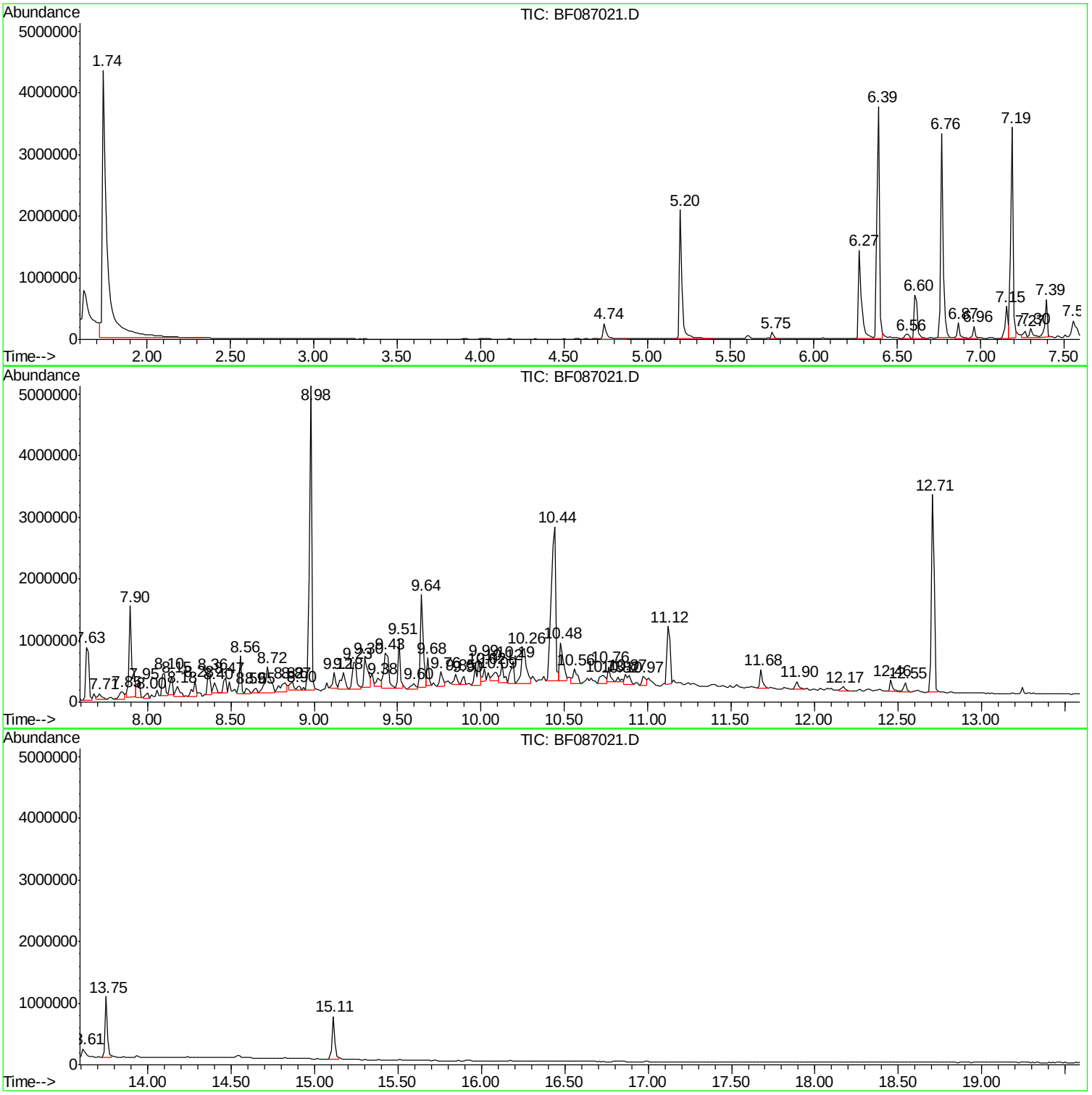
Operator : UM/SJ
Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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\BF051316\
Data File : BF087021.D
Acq On : 14 May 2016 15:44
Operator : UM/SJ
Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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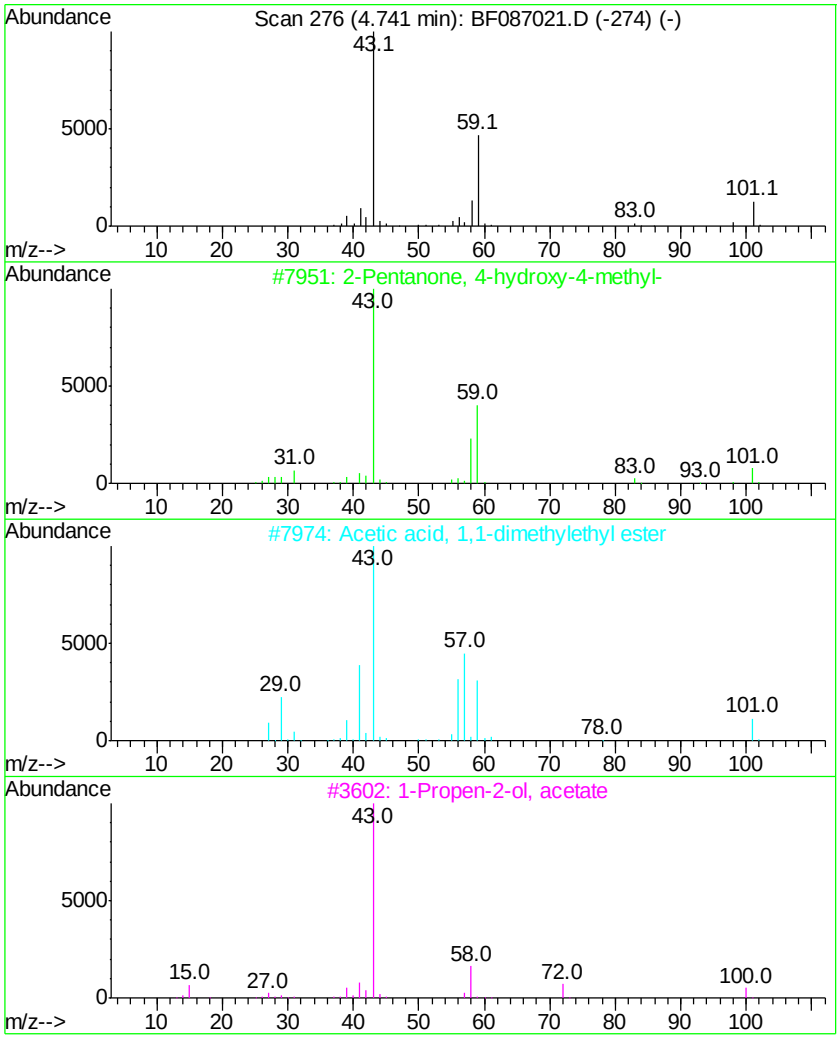
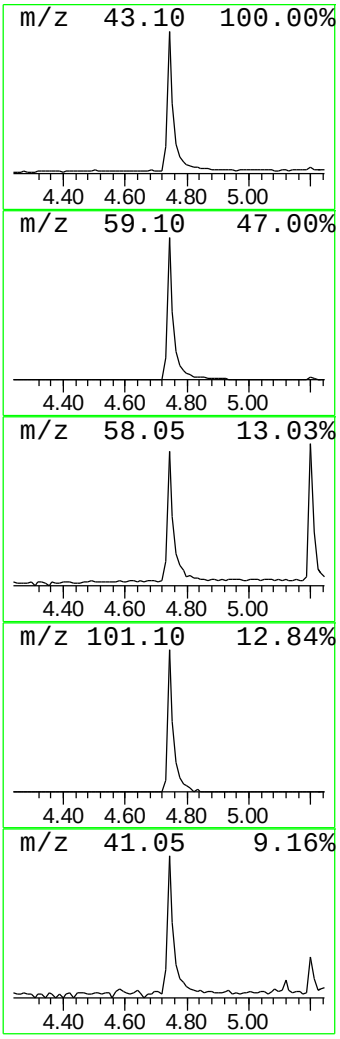
****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.74	7.82 ng	387818	1,4-Dichlorobenzene-d4	6.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Diacetamide	101	C4H7NO2	000625-77-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
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Operator : UM/SJ
Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

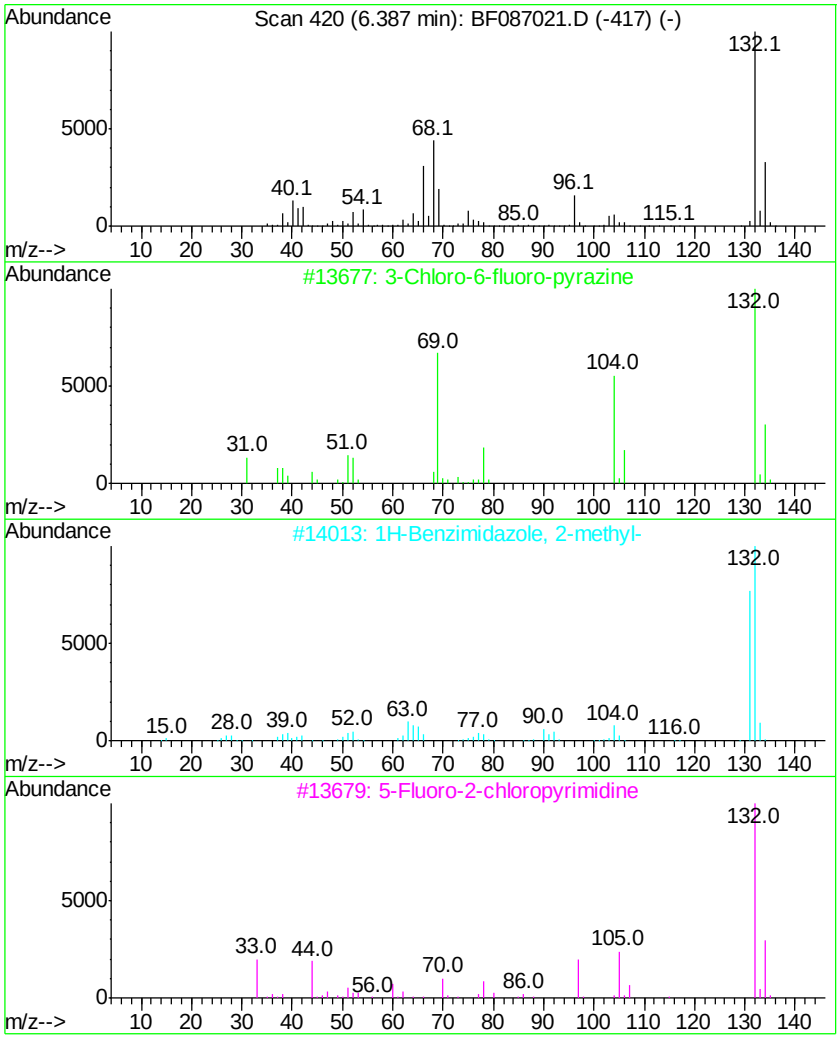
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

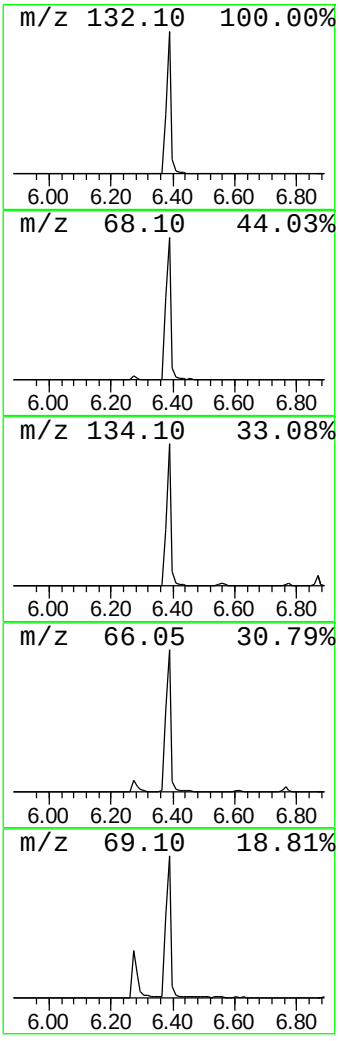
****

Peak Number 3 unknown6.39 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	85.68 ng	4248240	1,4-Dichlorobenzene-d4	6.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10





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Operator : UM/SJ
Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

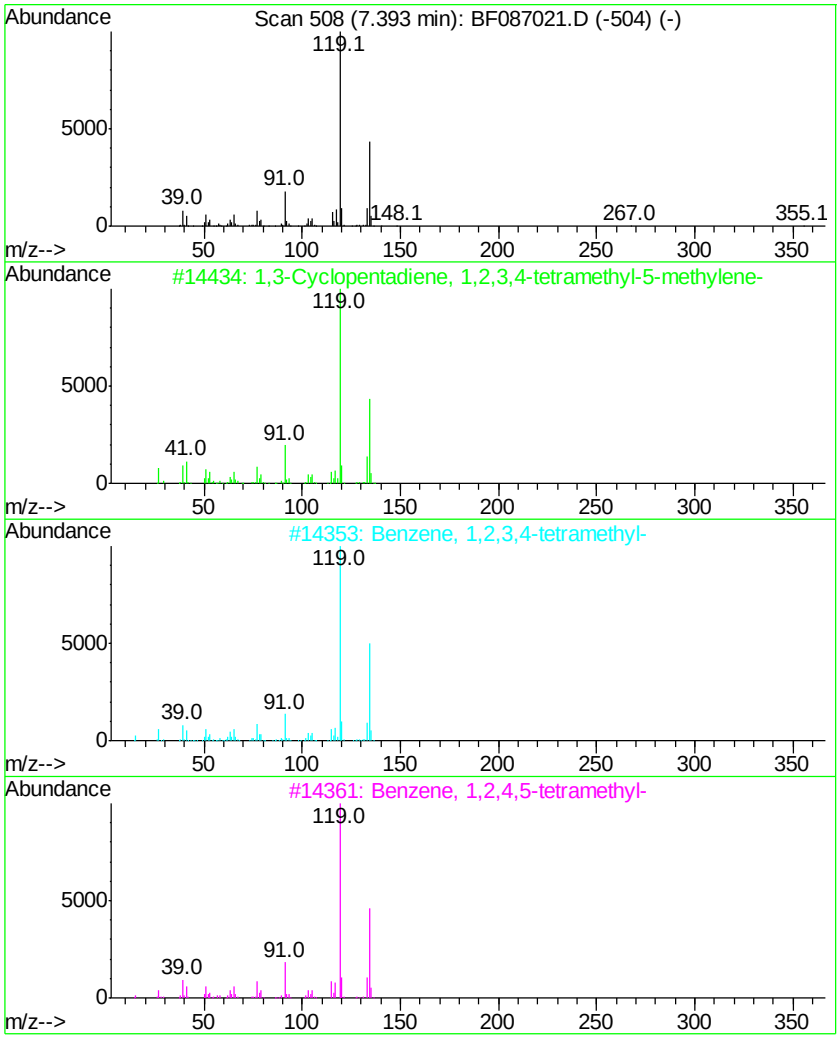
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

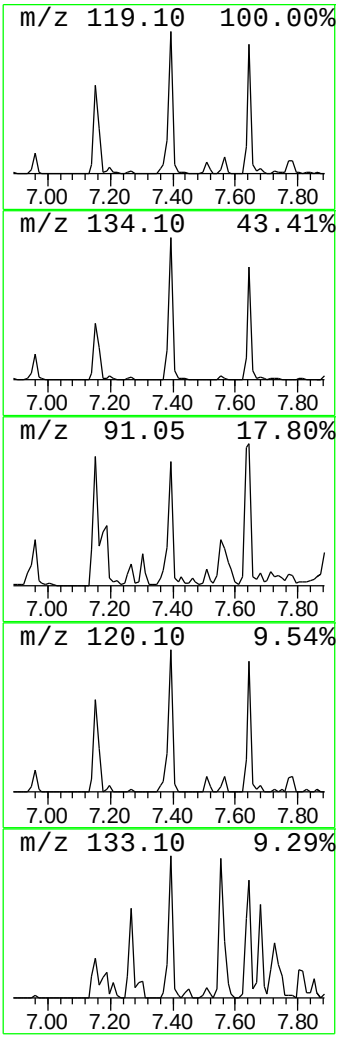
****

Peak Number 5 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	6.69 ng	633820	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





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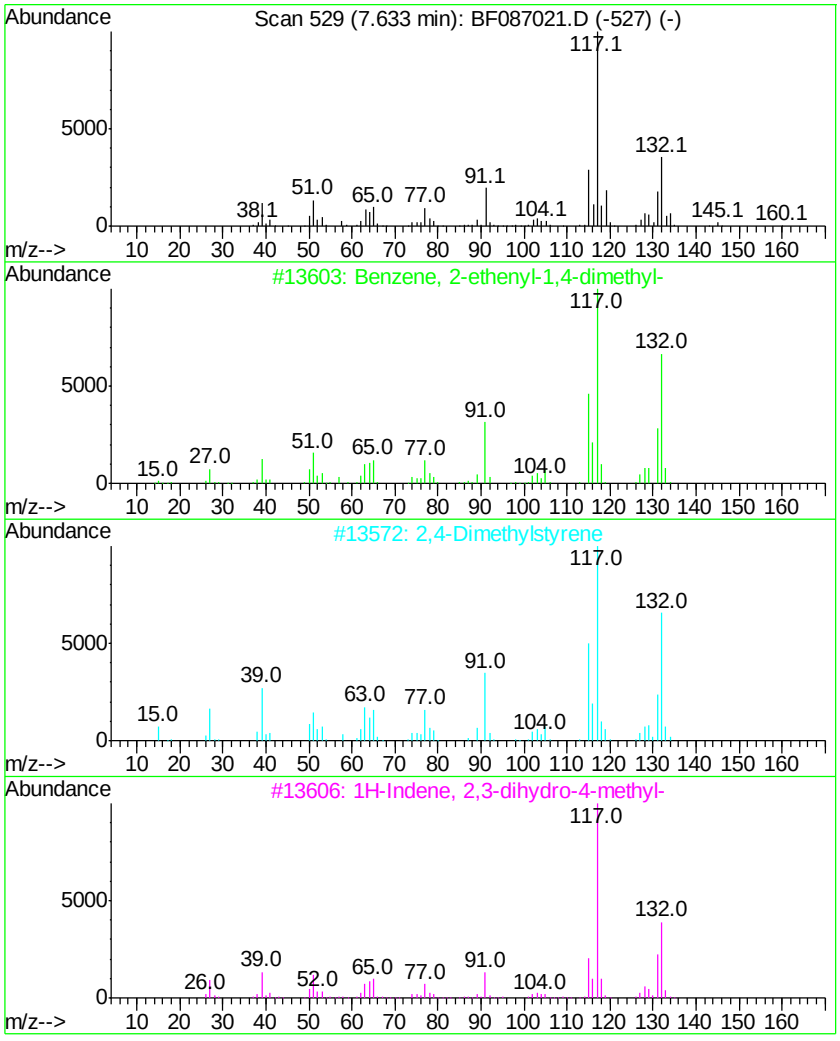
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

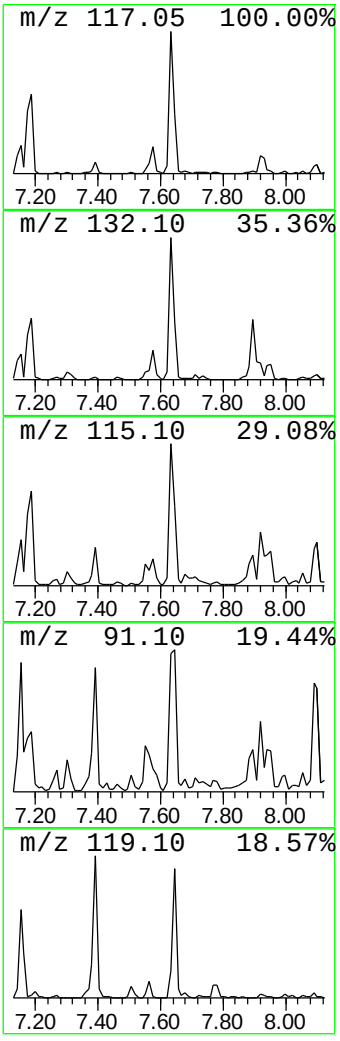
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	12.62 ng	1196050	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	93
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90





Library Search Compound Report

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Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

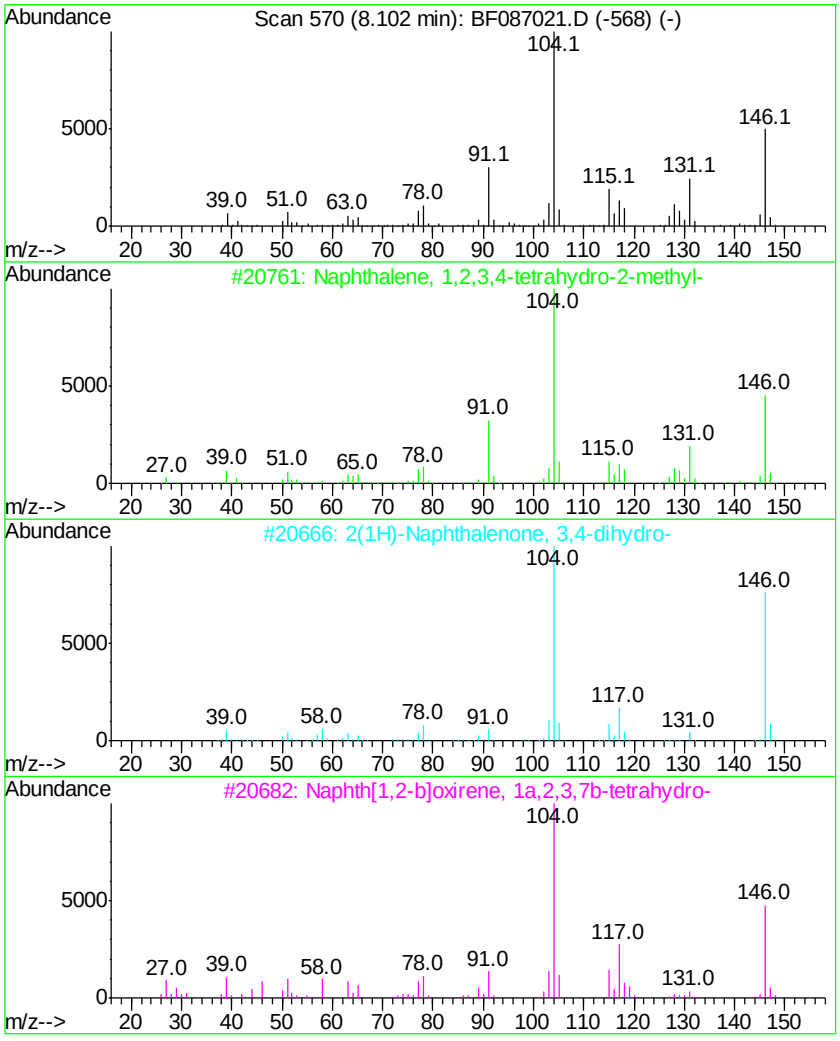
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

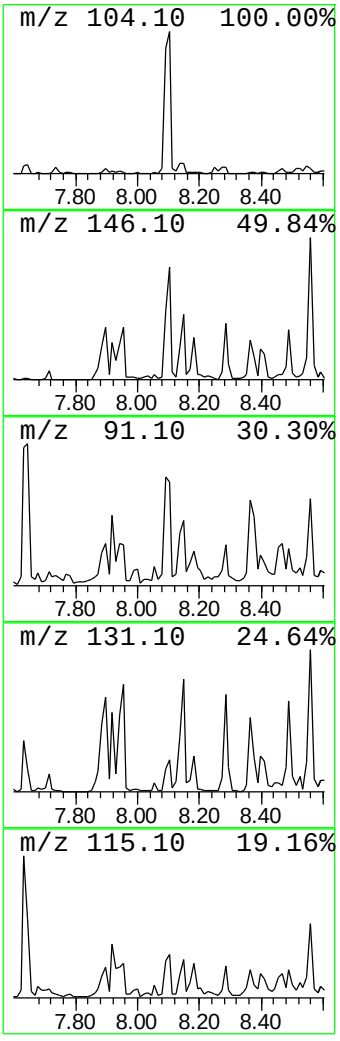
****

Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	6.04 ng	571977	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	58
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	53
4	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	27
5	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	020071-09-4	27





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Operator : UM/SJ
Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

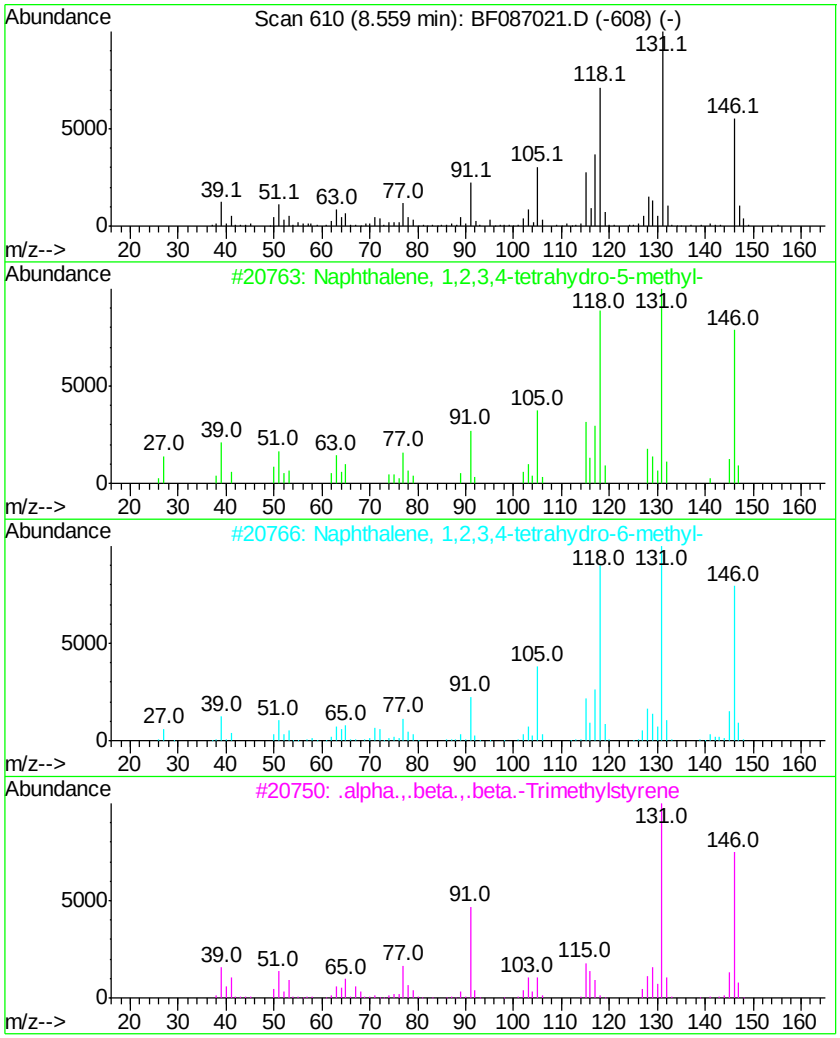
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

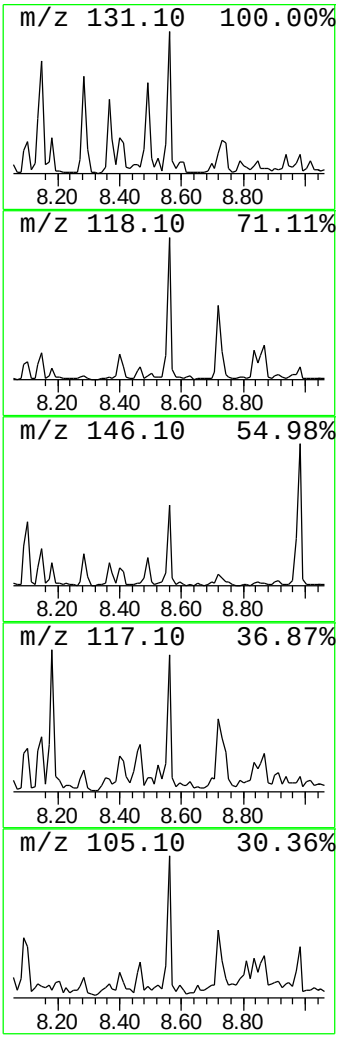
****

Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	5.79 ng	548562	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
3	.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	92
4	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	81
5	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF087021.D
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Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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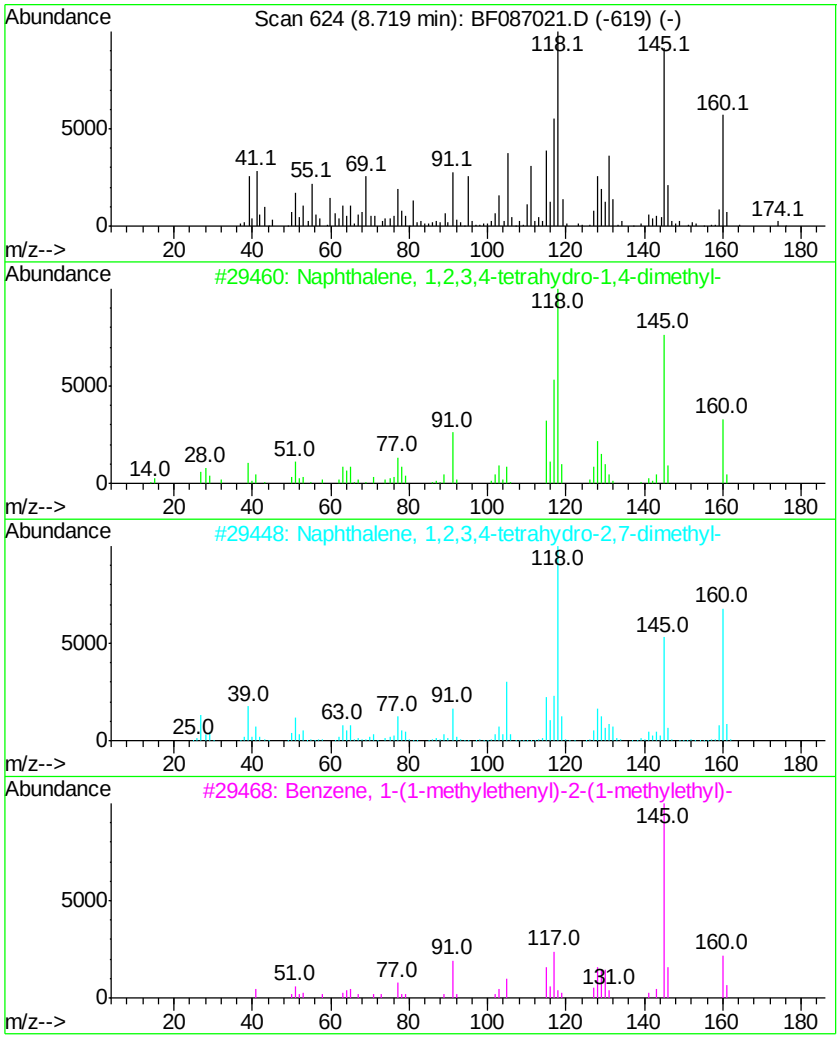
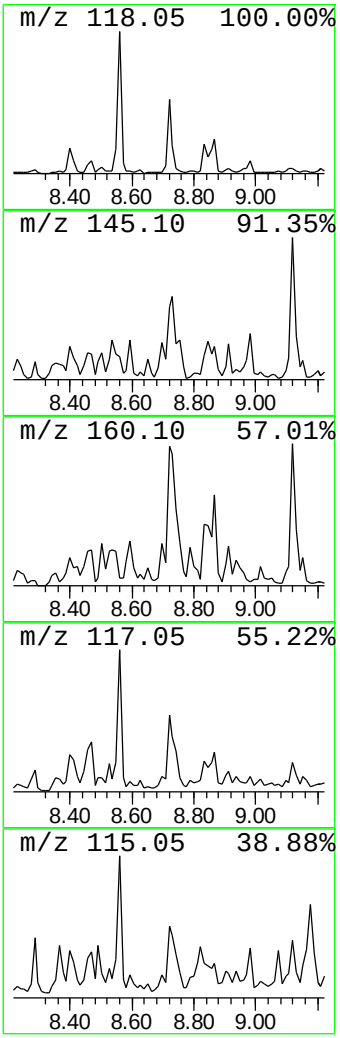
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	10.40 ng	985206	Naphthalene-d8	7.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	94
3	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	64
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	60
5	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	55





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Data File : BF087021.D
Acq On : 14 May 2016 15:44
Operator : UM/SJ
Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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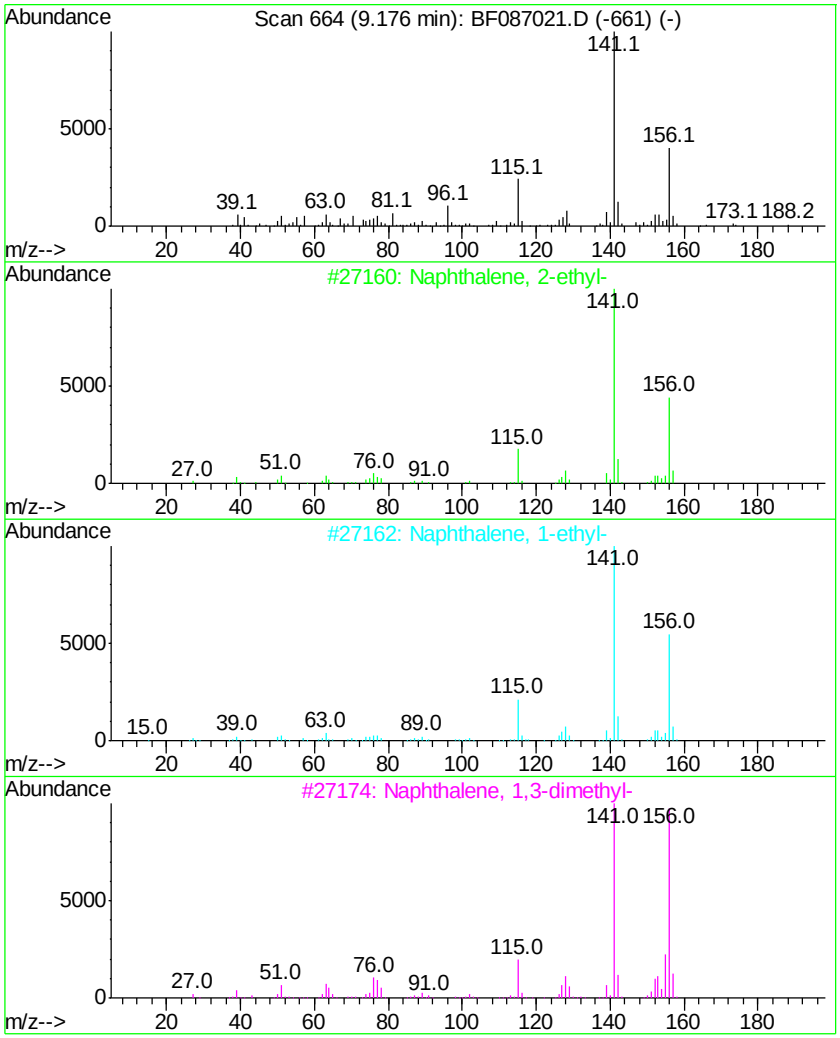
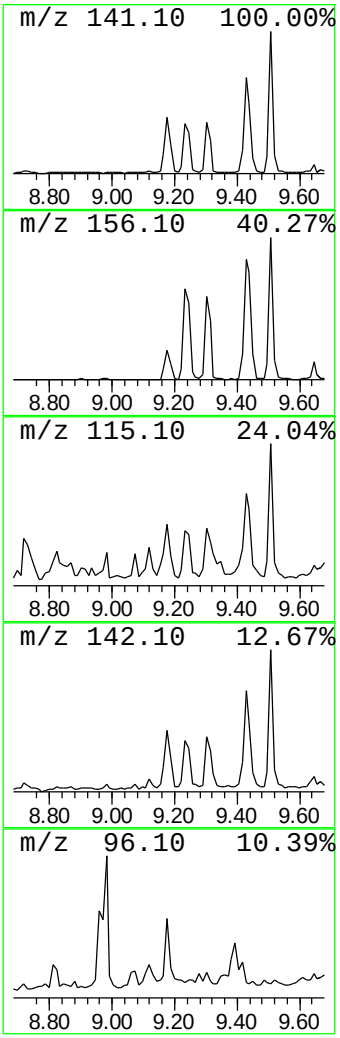
Peak Number 10 Naphthalene, 2-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	6.51 ng	501211	Acenaphthene-d10	9.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	87
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	86
5	3',4'-Difluoroacetophenone	156	C8H6F2O	000369-33-5	53





Library Search Compound Report

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Acq On : 14 May 2016 15:44
Operator : UM/SJ
Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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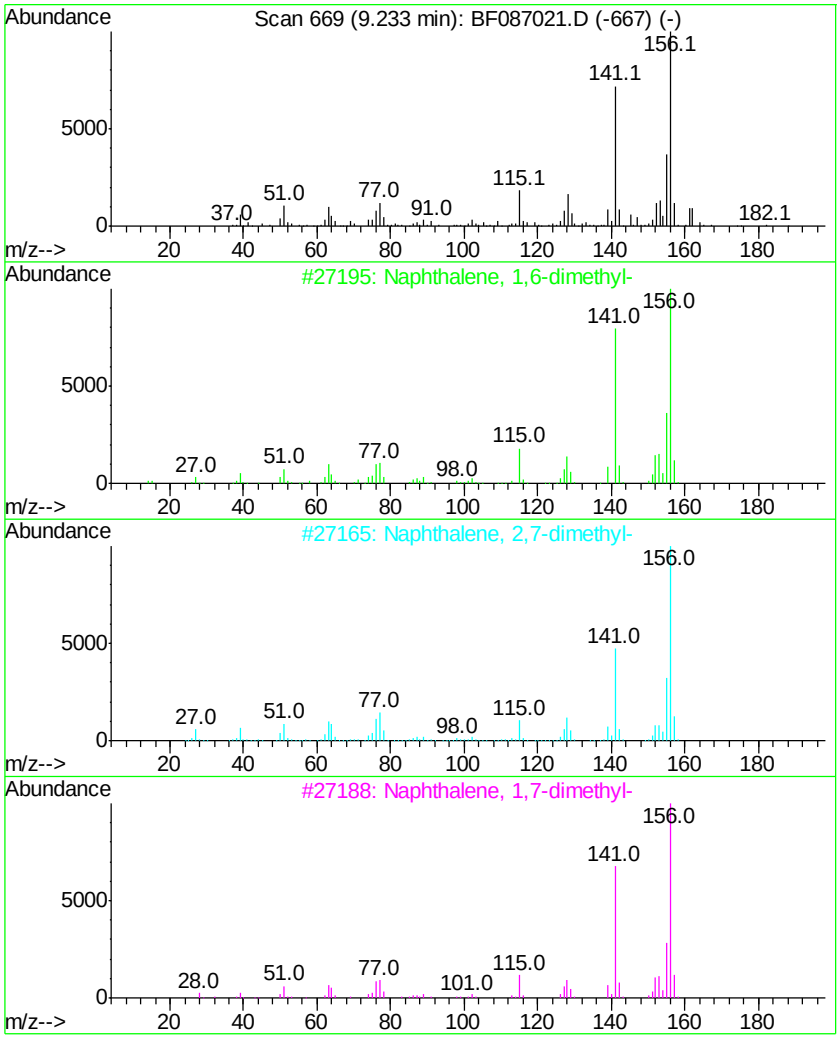
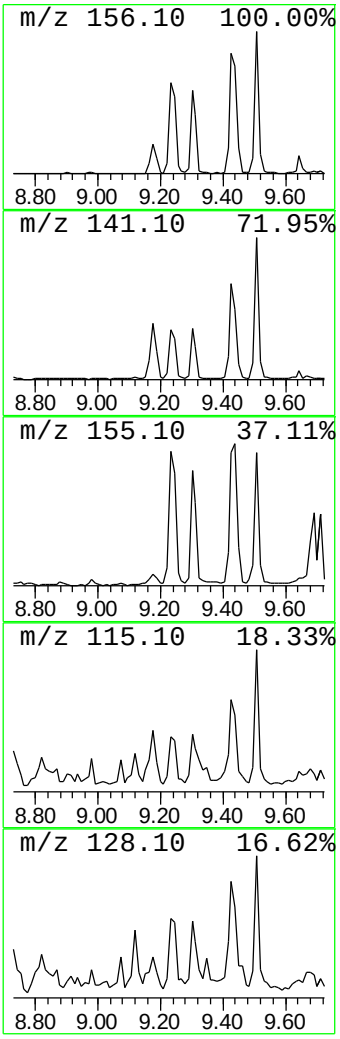
Peak Number 11 Naphthalene, 1,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	9.76 ng	750899	Acenaphthene-d10	9.64

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





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Acq On : 14 May 2016 15:44
Operator : UM/SJ
Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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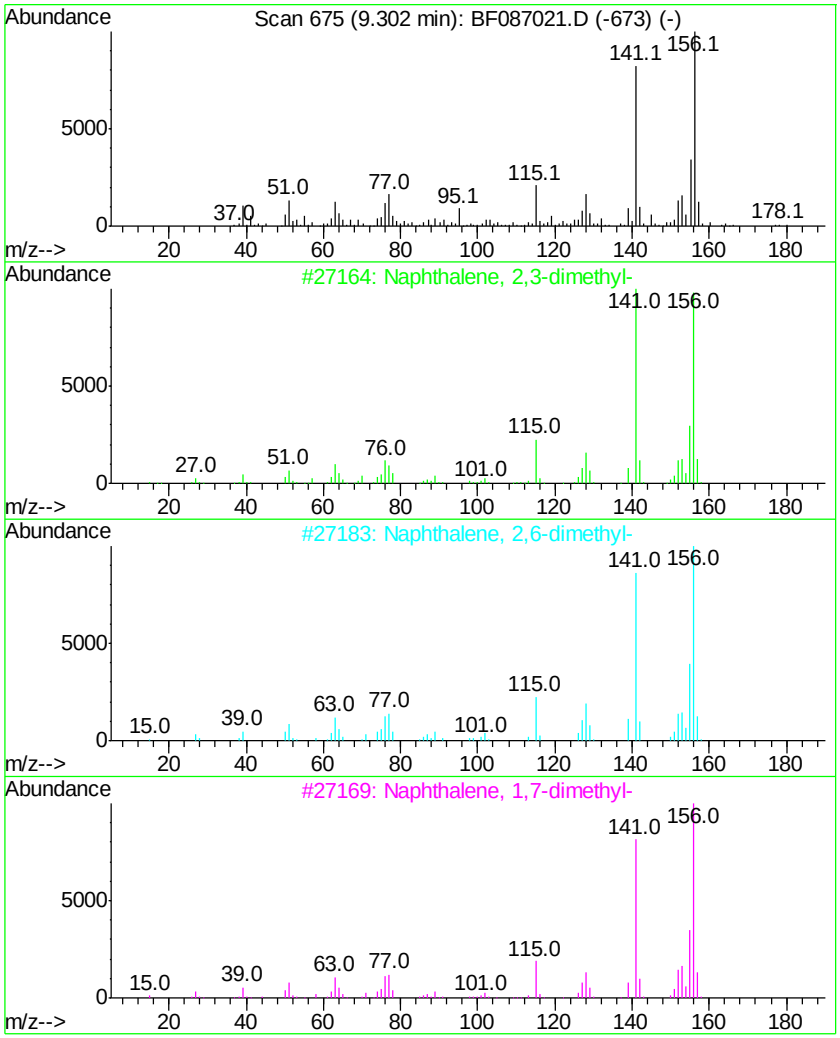
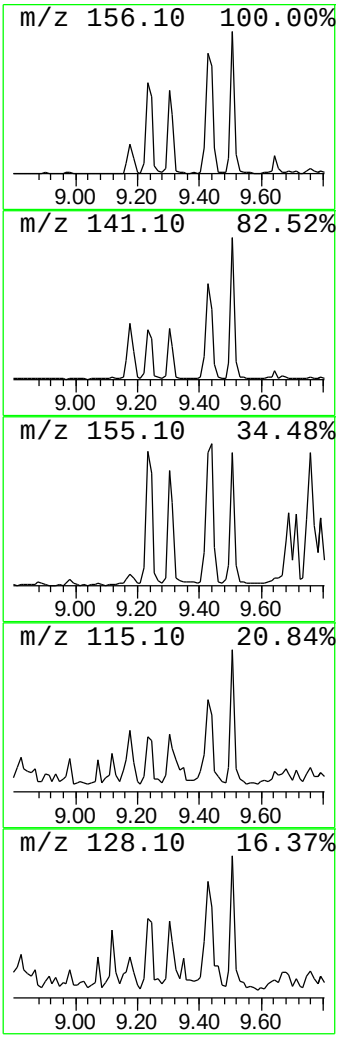
Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	10.83 ng	833271	Acenaphthene-d10	9.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





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Operator : UM/SJ
Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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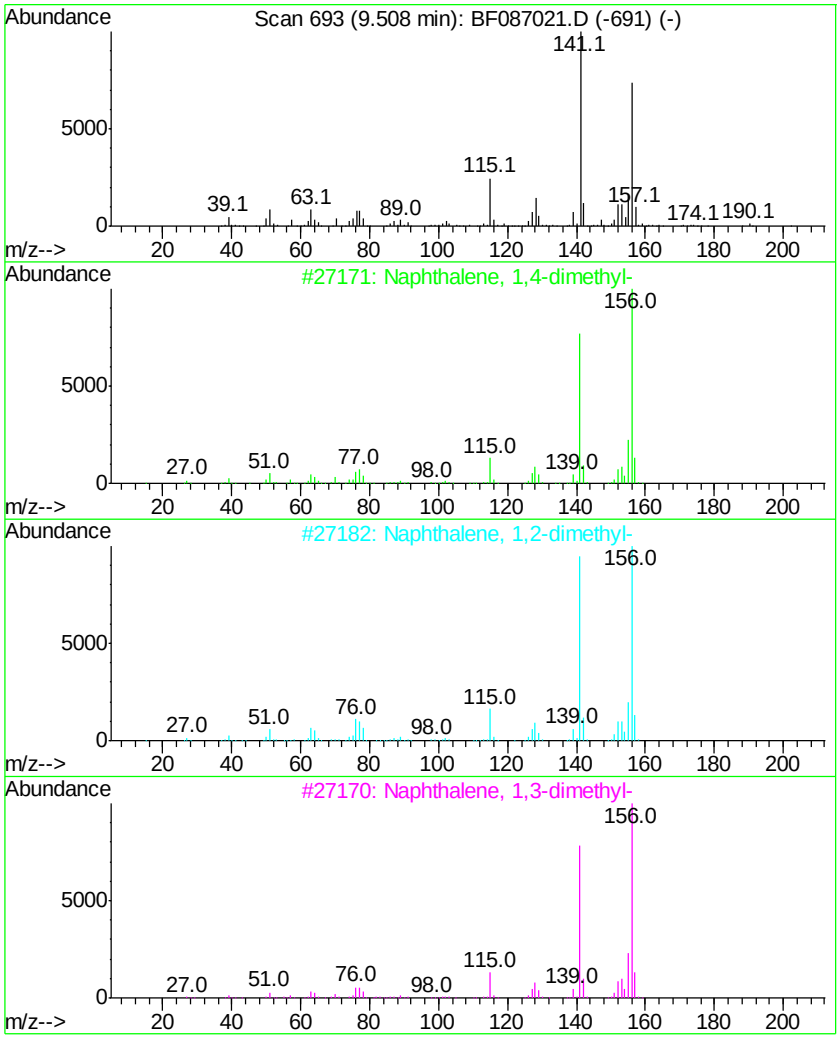
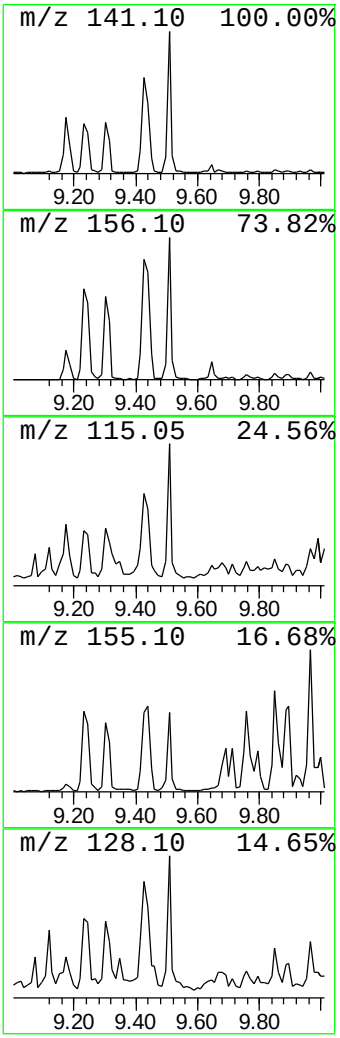
Peak Number 14 Naphthalene, 1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	9.47 ng	728295	Acenaphthene-d10	9.64

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	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94





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Acq On : 14 May 2016 15:44
Operator : UM/SJ
Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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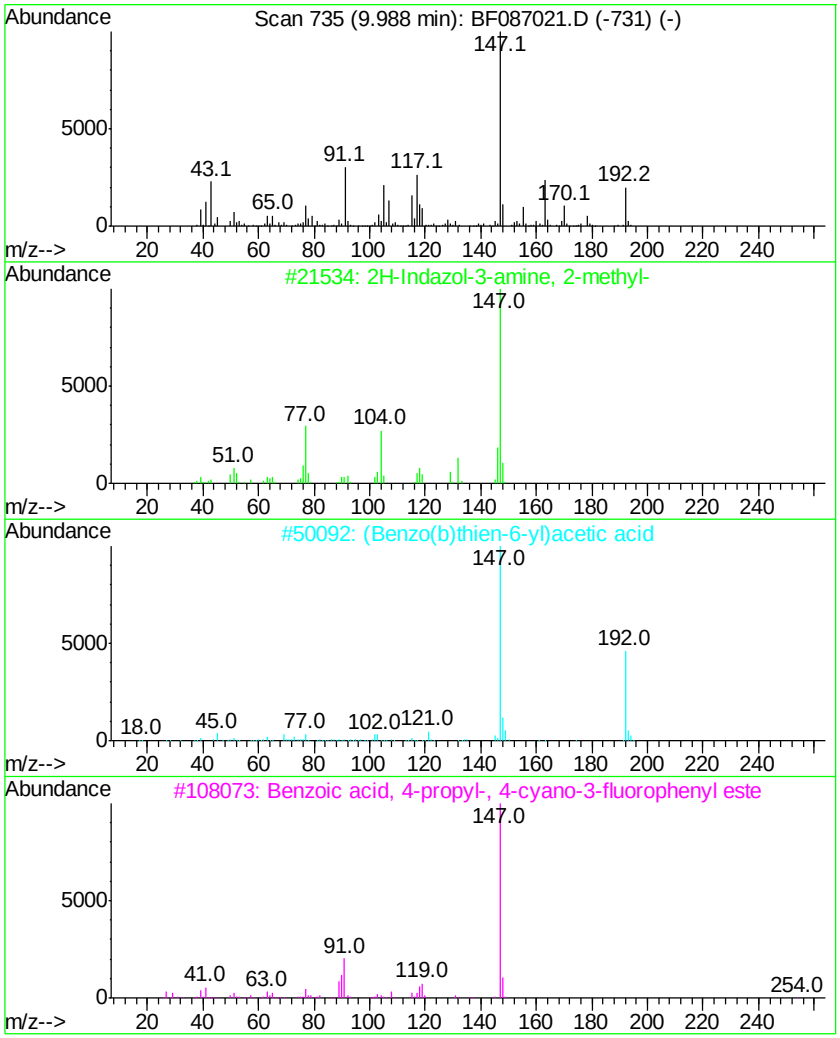
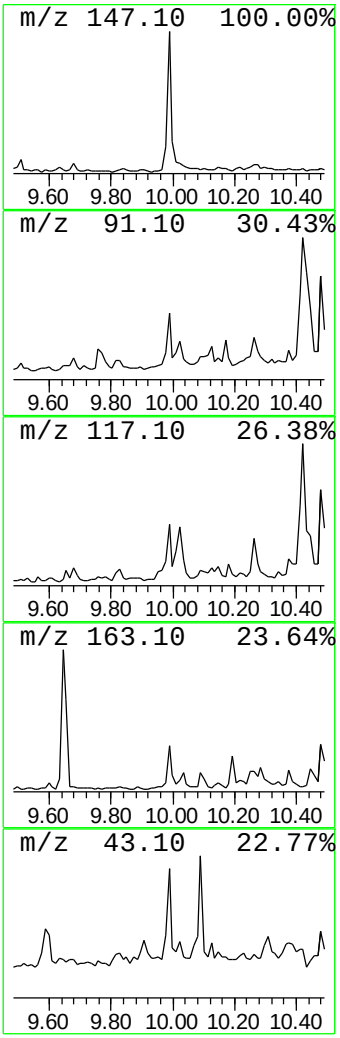
Peak Number 15 unknown9.99 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	9.18 ng	706517	Acenaphthene-d10	9.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Indazol-3-amine, 2-methyl-	147	C8H9N3	097990-19-7	43
2	(Benzo(b)thien-6-yl)acetic acid	192	C10H8O2S	006177-87-3	43
3	Benzoic acid, 4-propyl-, 4-cyano...	283	C17H14FNO2	086776-51-4	43
4	Benzoyl chloride, 4-propyl-	182	C10H11ClO	052710-27-7	38
5	1(3H)-Isobenzofuranone, 3,3-dime...	162	C10H10O2	001689-09-4	38





Library Search Compound Report

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Operator : UM/SJ
Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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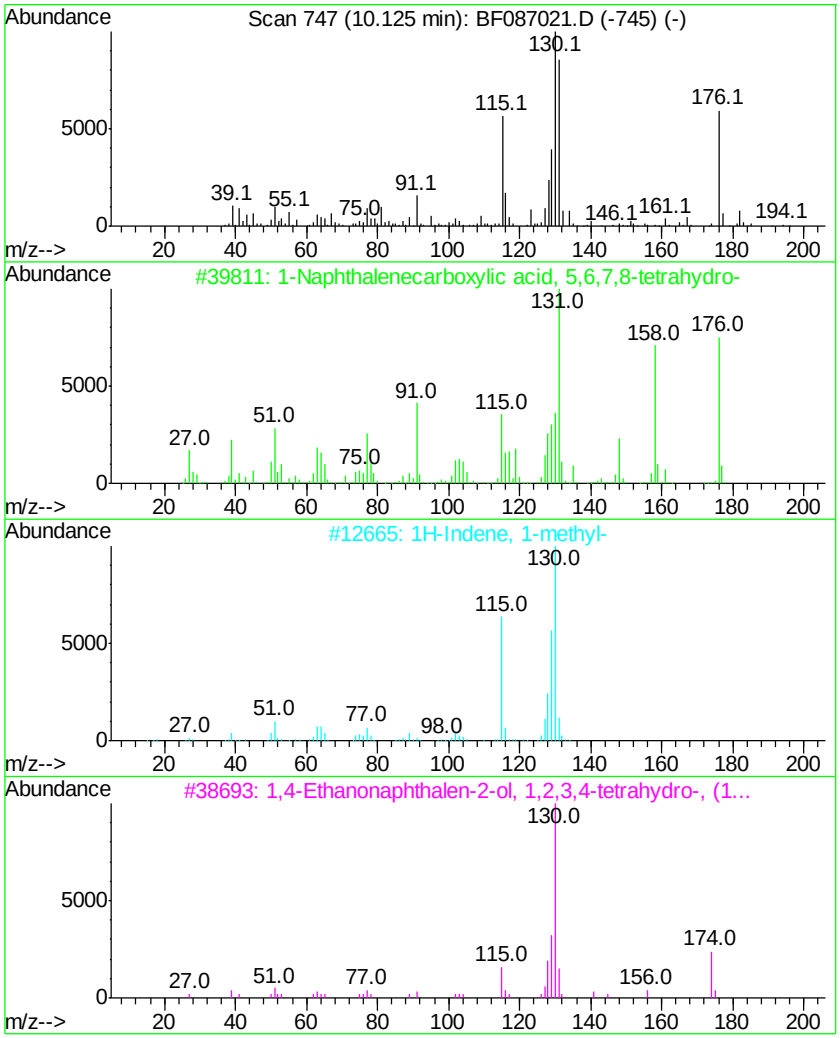
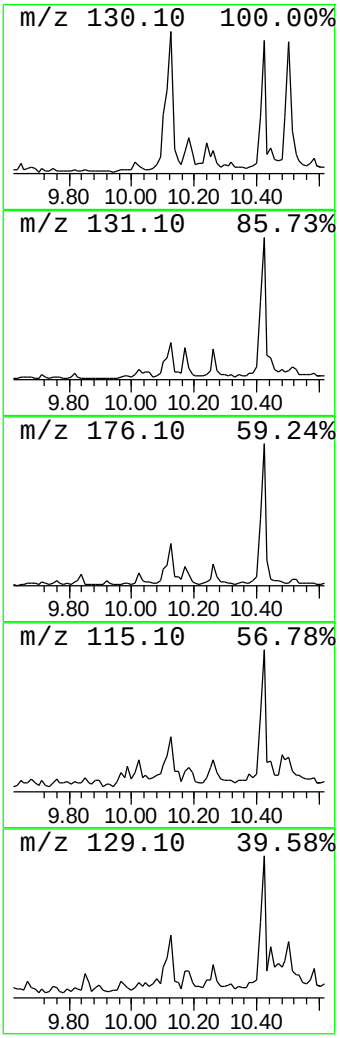
Peak Number 16 1-Naphthalenecarboxylic aci... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	5.38 ng	414170	Acenaphthene-d10	9.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarboxylic acid, 5,...	176	C11H12O2	004242-18-6	52
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	49
3	1,4-Ethanonaphthalen-2-ol, 1,2,3...	174	C12H14O	013153-78-1	47
4	2-Methylindene	130	C10H10	002177-47-1	46
5	1H-Indole, 7-methyl-	131	C9H9N	000933-67-5	45





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Operator : UM/SJ
Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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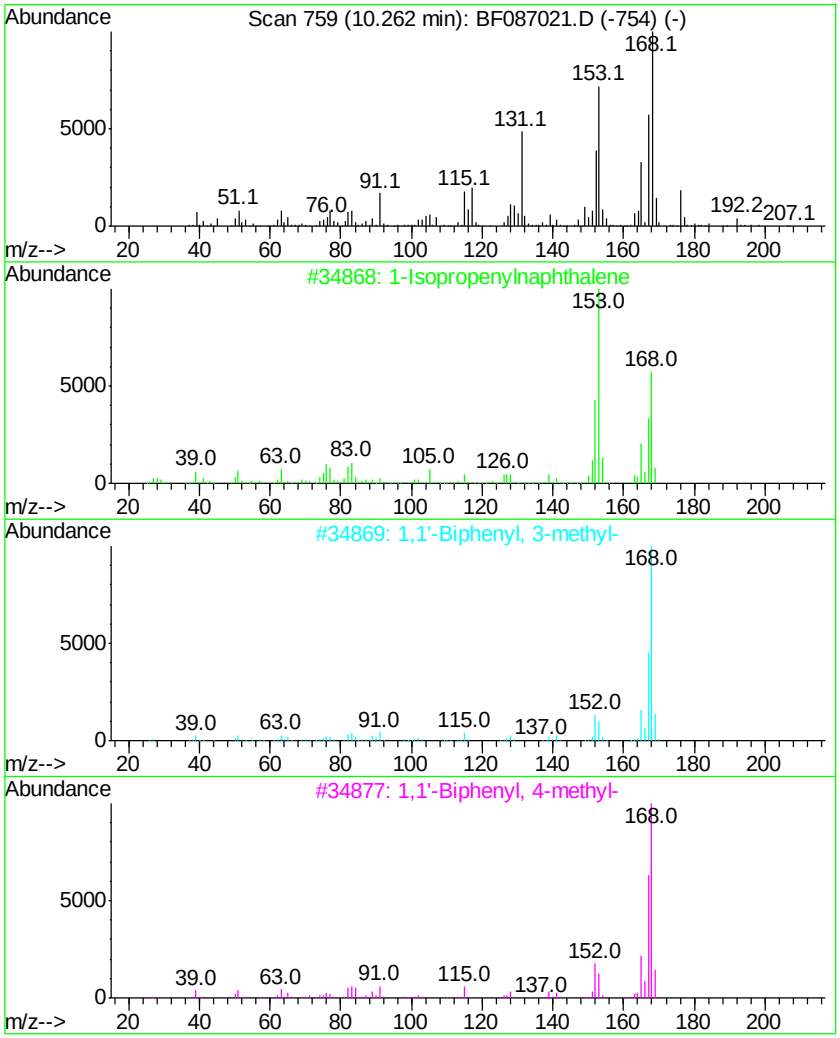
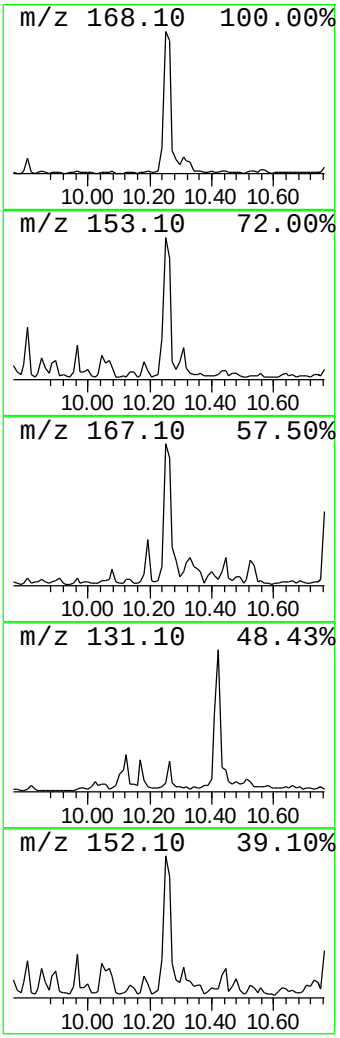
Peak Number 17 1-Isopropenylnaphthalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	15.72 ng	1209630	Acenaphthene-d10	9.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	53
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	53
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	49
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49





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Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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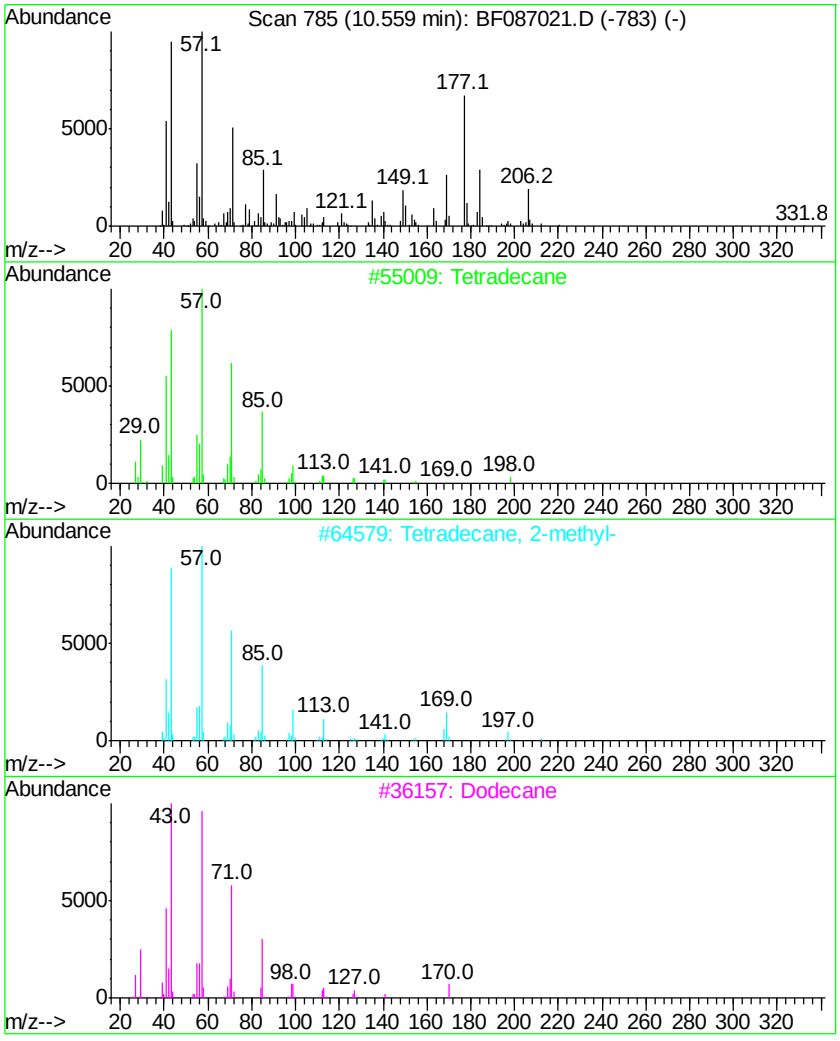
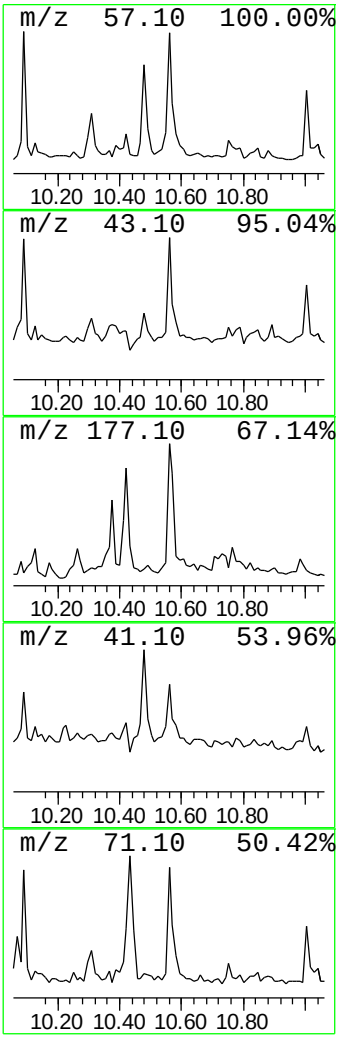
Peak Number 18 unknown10.56 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	7.35 ng	420248	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	43
2	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	38
3	Dodecane	170	C12H26	000112-40-3	35
4	Hexadecane	226	C16H34	000544-76-3	20
5	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	18





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Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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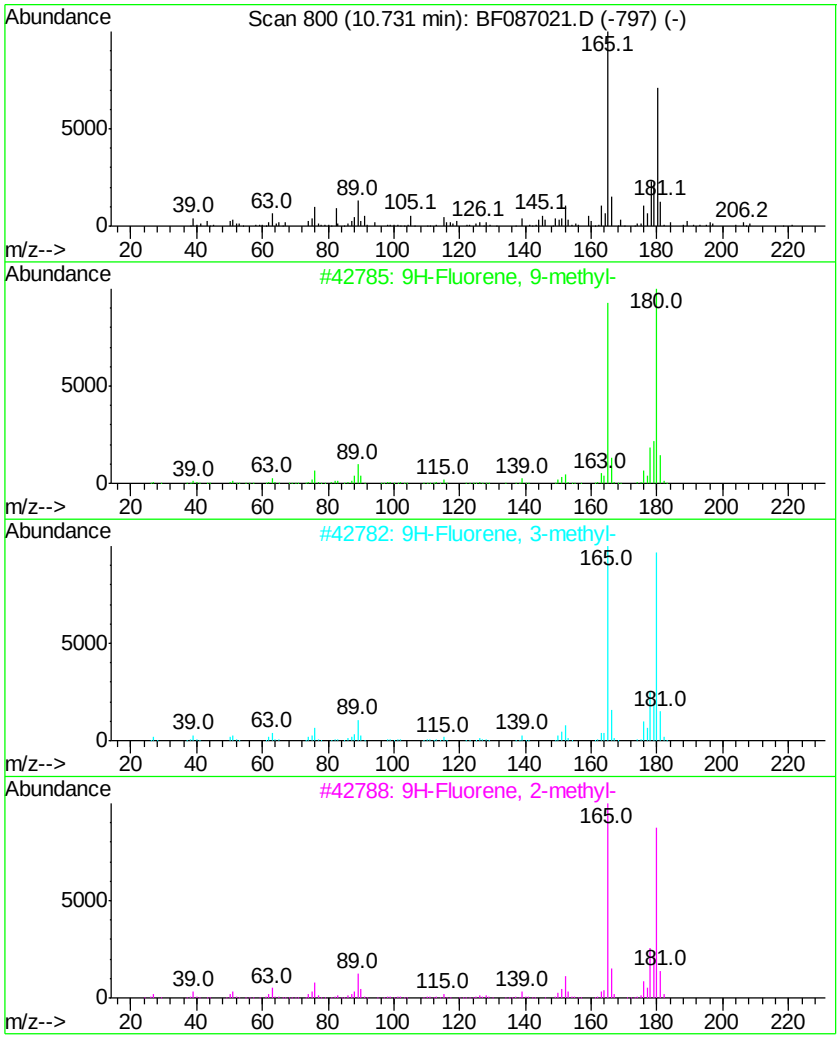
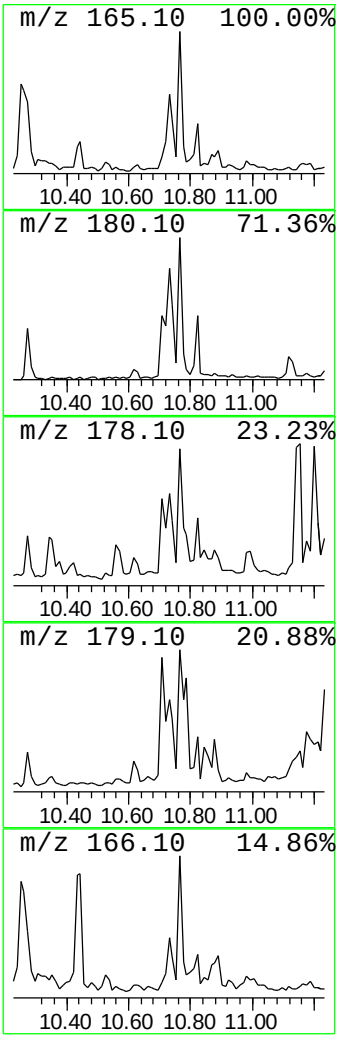
Peak Number 19 9H-Fluorene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	6.46 ng	369339	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	87
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	87





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Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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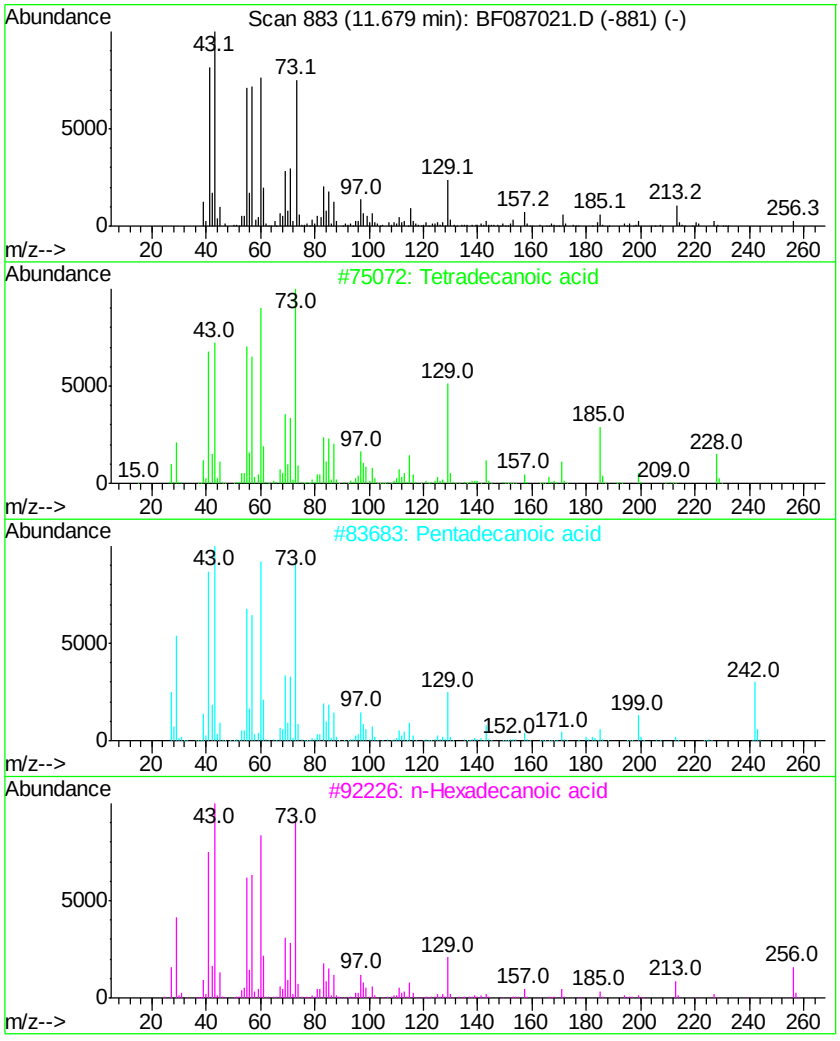
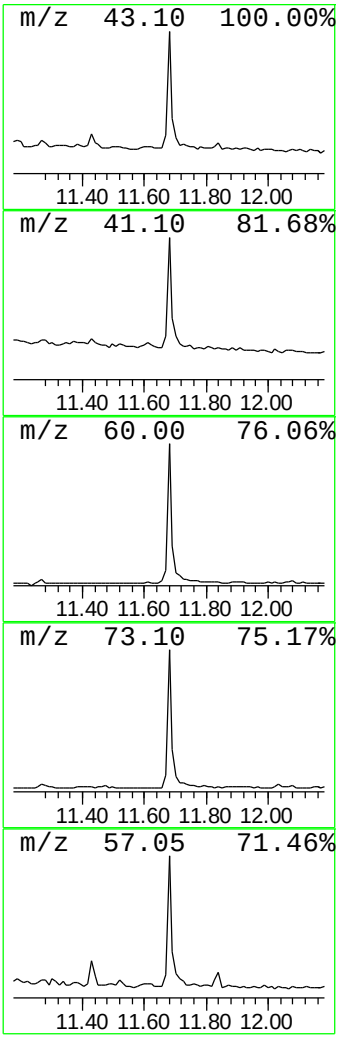
Peak Number 20 Tetradecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	5.48 ng	313343	Phenanthrene-d10	11.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	87
5	Undecanoic acid	186	C11H22O2	000112-37-8	80





Tentatively Identified Compound (LSC) summary

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Data File : BF087021.D
Acq On : 14 May 2016 15:44
Operator : UM/SJ
Sample : H2990-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OWL-C8-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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...	4.74	7.8	ng	387818	1	6.62	991686	20.0
unknown6.39	6.39	85.7	ng	4248240	1	6.62	991686	20.0
1,3-Cyclopentadie...	7.39	6.7	ng	633820	2	7.90	1894820	20.0
Benzene, 2-etheny...	7.63	12.6	ng	1196050	2	7.90	1894820	20.0
Naphthalene, 1,2,...	8.10	6.0	ng	571977	2	7.90	1894820	20.0
Naphthalene, 1,2,...	8.56	5.8	ng	548562	2	7.90	1894820	20.0
Naphthalene, 1,2,...	8.72	10.4	ng	985206	2	7.90	1894820	20.0
Naphthalene, 2-et...	9.18	6.5	ng	501211	3	9.64	1538660	20.0
Naphthalene, 1,6-...	9.23	9.8	ng	750899	3	9.64	1538660	20.0
Naphthalene, 2,3-...	9.30	10.8	ng	833271	3	9.64	1538660	20.0
Naphthalene, 1,4-...	9.51	9.5	ng	728295	3	9.64	1538660	20.0
unknown9.99	9.99	9.2	ng	706517	3	9.64	1538660	20.0
1-Naphthalenecarb...	10.12	5.4	ng	414170	3	9.64	1538660	20.0
1-Isopropenylnaph...	10.26	15.7	ng	1209630	3	9.64	1538660	20.0
unknown10.56	10.56	7.3	ng	420248	4	11.12	1143500	20.0
9H-Fluorene, 9-me...	10.73	6.5	ng	369339	4	11.12	1143500	20.0
Tetradecanoic acid	11.68	5.5	ng	313343	4	11.12	1143500	20.0