LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
Data File : BF091410.D
Acq On : 3 Dec 2016 00:57
Operator : UM/SJ
Sample : H5825-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S120116SF-S-2

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-BF112916.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	5.053	239	242	250	rBV	1586578	2259010	40.65%	2.400%
2	5.464	275	278	281	rVB	3968051	5247525	94.42%	5.575%
3	6.493	365	368	371	rVV	4014860	5557814	100.00%	5.905%
4	6.630	377	380	382	rVV	4983915	5118005	92.09%	5.437%
5	6.699	382	386	390	rVB2	242060	320804	5.77%	0.341%
6	6.859	398	400	404	rVB	1725815	1579643	28.42%	1.678%
7	7.019	412	414	416	rBV	4352544	3893420	70.05%	4.136%
8	7.259	433	435	437	rBV	181833	173472	3.12%	0.184%
9	7.430	445	450	452	rBV	2882031	3979358	71.60%	4.228%
10	7.464	452	453	455	rVB	375155	312382	5.62%	0.332%
11	7.510	455	457	459	rVB3	104460	165294	2.97%	0.176%
12	7.659	465	470	473	rVB4	131422	301684	5.43%	0.321%
13	7.773	476	480	481	rBV2	101889	186540	3.36%	0.198%
14	7.830	484	485	487	rVB	106781	140450	2.53%	0.149%
15	7.887	487	490	494	rBV4	192359	527864	9.50%	0.561%
16	7.944	494	495	500	rVB4	109482	304460	5.48%	0.323%
17	8.104	506	509	510	rBV2	105179	180898	3.25%	0.192%
18	8.150	510	513	516	rBV	1752941	2357559	42.42%	2.505%
19	8.219	518	519	520	rVB	309149	211922	3.81%	0.225%
20	8.322	525	528	529	rBV2	98912	189296	3.41%	0.201%
21	8.447	535	539	542	rVB4	208817	403199	7.25%	0.428%
22	8.504	542	544	545	rBV2	107429	141195	2.54%	0.150%
23	8.527	545	546	548	rVB2	179813	221699	3.99%	0.236%
24	8.573	548	550	553	rBV	455670	637254	11.47%	0.677%
25	8.653	555	557	559	rBV2	221928	252418	4.54%	0.268%
26	8.744	563	565	567	rBV3	104874	224839	4.05%	0.239%
27	8.859	572	575	577	rVB2	334088	520109	9.36%	0.553%
28	8.962	580	584	586	rBV3	273436	565839	10.18%	0.601%
29	9.030	589	590	591	rBV	184431	174539	3.14%	0.185%
30	9.179	598	603	605	rBV	654211	759381	13.66%	0.807%
31	9.225	605	607	609	rVB	4864291	4388517	78.96%	4.662%
32	9.305	612	614	617	rBV3	398485	671454	12.08%	0.713%
33	9.373	617	620	623	rVV3	203643	361631	6.51%	0.384%
34	9.419	623	624	627	rVB3	185272	197206	3.55%	0.210%

LSC Area Percent Report

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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S120116SF-S-2

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-BF112916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.487	627	630	633	rBV2	326709	652217	11.74%	0.693%
36	9.556	634	636	638	rVV2	510097	781459	14.06%	0.830%
37	9.613	640	641	644	rVV2	843055	1580643	28.44%	1.679%
38	9.682	644	647	649	rVB3	178148	396780	7.14%	0.422%
39	9.727	649	651	653	rBV3	87563	157911	2.84%	0.168%
40	9.762	653	654	656	rBV2	119396	233371	4.20%	0.248%
41	9.899	663	666	668	rBV	2071885	2375995	42.75%	2.524%
42	9.933	668	669	671	rVV	642210	549611	9.89%	0.584%
43	10.013	674	676	678	rVB2	261173	386640	6.96%	0.411%
44	10.105	682	684	685	rVB	768216	663521	11.94%	0.705%
45	10.139	685	687	688	rBV2	199289	174372	3.14%	0.185%
46	10.219	692	694	695	rBV	292735	293831	5.29%	0.312%
47	10.310	700	702	706	rVB2	200161	402872	7.25%	0.428%
48	10.448	712	714	715	rBV	673610	705899	12.70%	0.750%
49	10.516	717	720	721	rVV2	208593	387010	6.96%	0.411%
50	10.562	722	724	726	rVV	973132	1003339	18.05%	1.066%
51	10.608	726	728	730	rVB2	243124	376406	6.77%	0.400%
52	10.688	732	735	737	rVB	3061084	3157774	56.82%	3.355%
53	10.825	745	747	751	rVB	1235574	1556343	28.00%	1.653%
54	10.893	751	753	754	rBV2	143951	211366	3.80%	0.225%
55	11.145	773	775	777	rVB2	171690	231242	4.16%	0.246%
56	11.293	786	788	791	rVB2	877748	1049089	18.88%	1.115%
57	11.385	794	796	797	rBV	1784611	1849364	33.28%	1.965%
58	11.408	797	798	800	rVV	2786764	2642449	47.54%	2.807%
59	11.453	800	802	804	rVB	585015	814947	14.66%	0.866%
60	11.499	804	806	808	rBV2	131130	251118	4.52%	0.267%
61	11.613	814	816	817	rBV	295643	291934	5.25%	0.310%
62	11.888	838	840	841	rBV	316398	298436	5.37%	0.317%
63	11.911	841	842	844	rVB	658100	628908	11.32%	0.668%
64	11.956	844	846	847	rBV	158311	174493	3.14%	0.185%
65	11.991	847	849	854	rVB2	527824	1107700	19.93%	1.177%
66	12.185	864	866	870	rVB3	207945	428687	7.71%	0.455%
67	12.436	886	888	889	rBV	293458	292810	5.27%	0.311%
68	12.471	889	891	894	rVB3	142548	241858	4.35%	0.257%
69	12.596	900	902	905	rBV	3295456	3133826	56.39%	3.329%
70	12.653	905	907	909	rVB3	94080	154942	2.79%	0.165%
71	12.699	909	911	913	rBV3	113752	175443	3.16%	0.186%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : S120116SF-S-2

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.825	919	922	924	rBV	2775052	3231613	58.15%	3.433%
73	12.871	925	926	929	rVB2	161313	211591	3.81%	0.225%
74	12.939	930	932	933	rBV	199613	204065	3.67%	0.217%
75	12.973	933	935	937	rVB	3581940	3676260	66.15%	3.906%
76	13.042	937	941	945	rVB3	145547	371162	6.68%	0.394%
77	13.145	947	950	952	rVB	385547	641679	11.55%	0.682%
78	13.213	954	956	958	rBV	393357	368266	6.63%	0.391%
79	13.248	958	959	961	rBV	178249	203402	3.66%	0.216%
80	13.648	992	994	997	rVB2	125000	187732	3.38%	0.199%
81	13.762	1001	1004	1006	rBV	212928	325190	5.85%	0.345%
82	13.819	1008	1009	1011	rVB2	114857	151047	2.72%	0.160%
83	13.865	1011	1013	1016	rVB2	264298	363524	6.54%	0.386%
84	14.014	1023	1026	1028	rBV2	2211446	3575870	64.34%	3.799%
85	14.116	1033	1035	1037	rBV	232647	276089	4.97%	0.293%
86	14.402	1055	1060	1061	rBV	183044	235112	4.23%	0.250%
87	14.516	1064	1070	1071	rBV2	187062	451245	8.12%	0.479%
88	14.596	1074	1077	1080	rVB4	79819	176668	3.18%	0.188%
89	14.882	1099	1102	1106	rVB2	83014	171363	3.08%	0.182%
90	15.042	1113	1116	1120	rBV	911803	1932877	34.78%	2.054%
91	15.145	1123	1125	1130	rVB2	171704	311201	5.60%	0.331%
92	15.328	1139	1141	1144	rVB	521964	639465	11.51%	0.679%
93	15.385	1144	1146	1149	rBV	699319	934678	16.82%	0.993%
94	15.454	1149	1152	1153	rBV	1003626	1282076	23.07%	1.362%
95	15.979	1194	1198	1207	rVB3	73070	249120	4.48%	0.265%
96	16.688	1255	1260	1263	rBV3	64202	199400	3.59%	0.212%
97	16.848	1271	1274	1278	rVB2	286244	552832	9.95%	0.587%
98	17.260	1307	1310	1318	rVB	200518	470001	8.46%	0.499%
99	17.488	1327	1330	1337	rVB	70043	195843	3.52%	0.208%
100	19.408	1493	1498	1505	rVB	48886	194228	3.49%	0.206%

Sum of corrected areas: 94124885

LSC Report - Integrated Chromatogram

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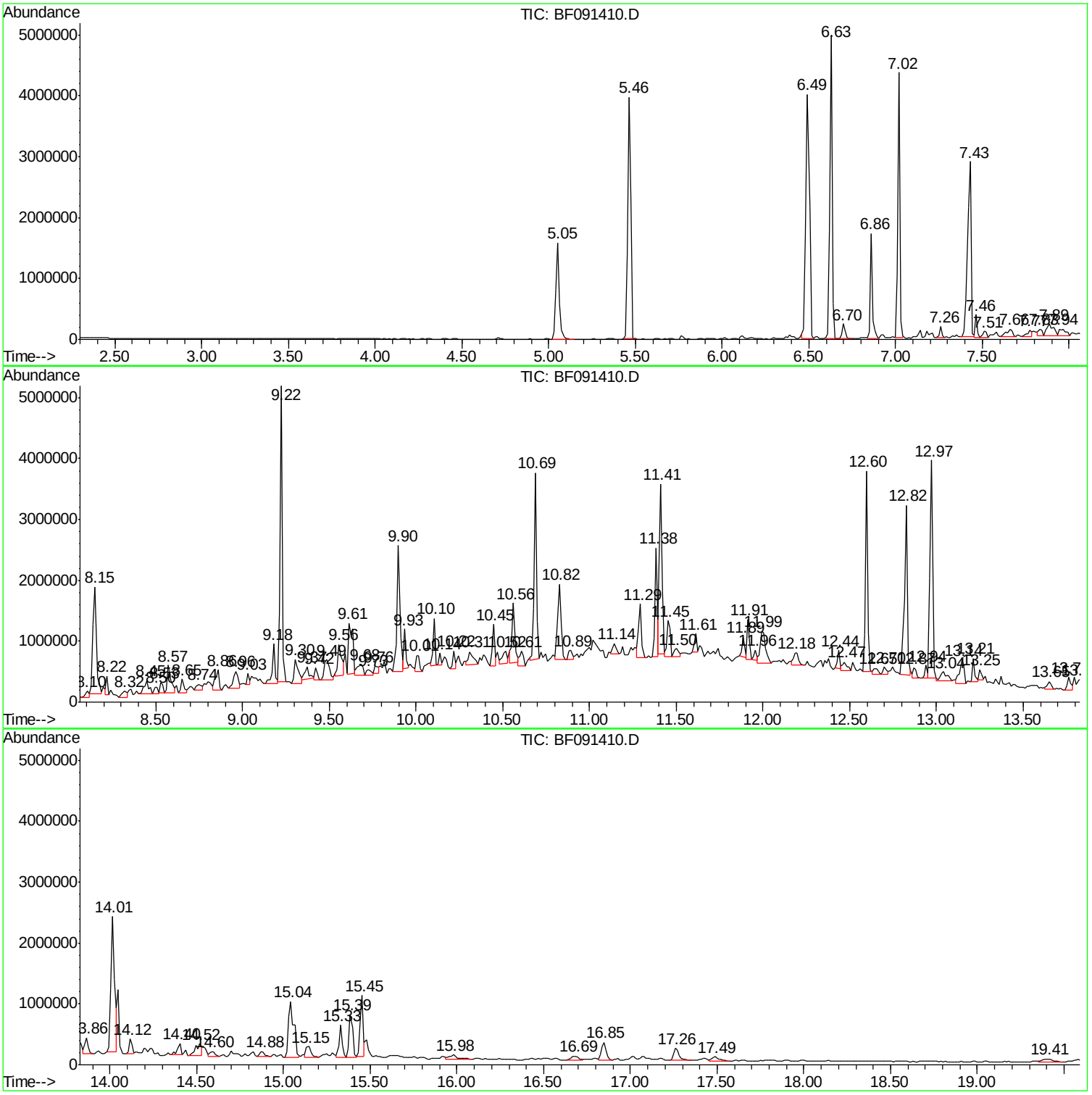
Operator : UM/SJ
Sample : H5825-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S120116SF-S-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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\BF120216\
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

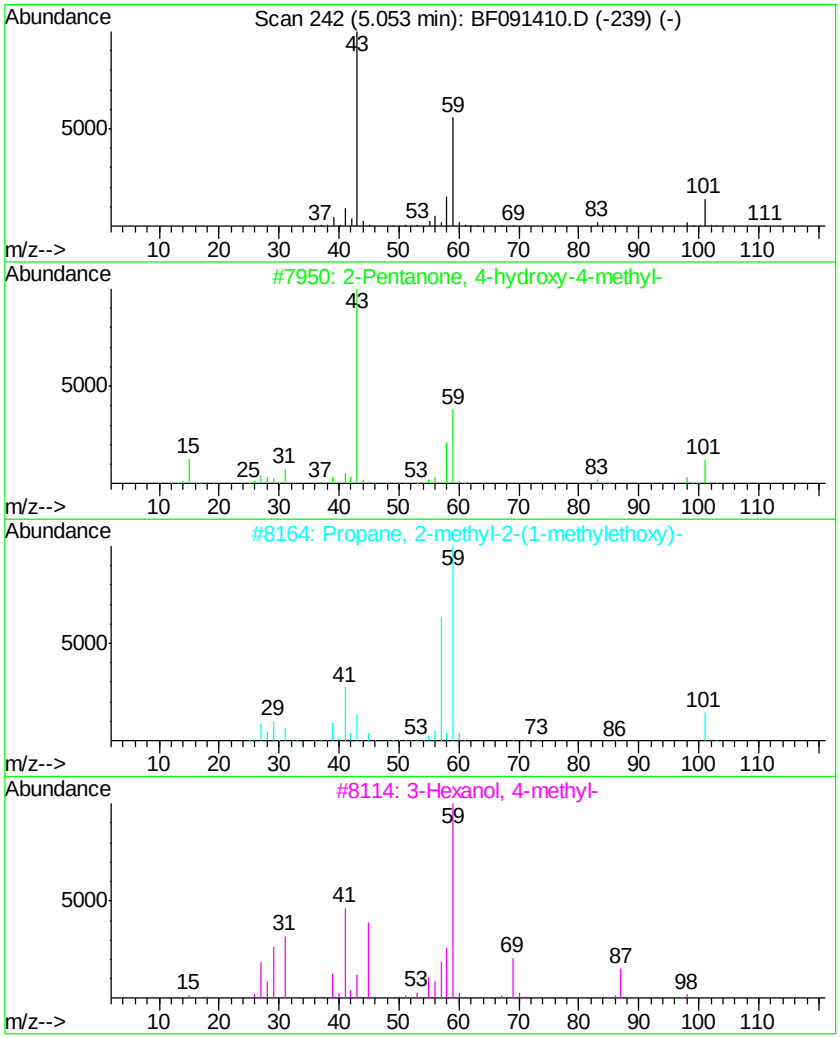
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

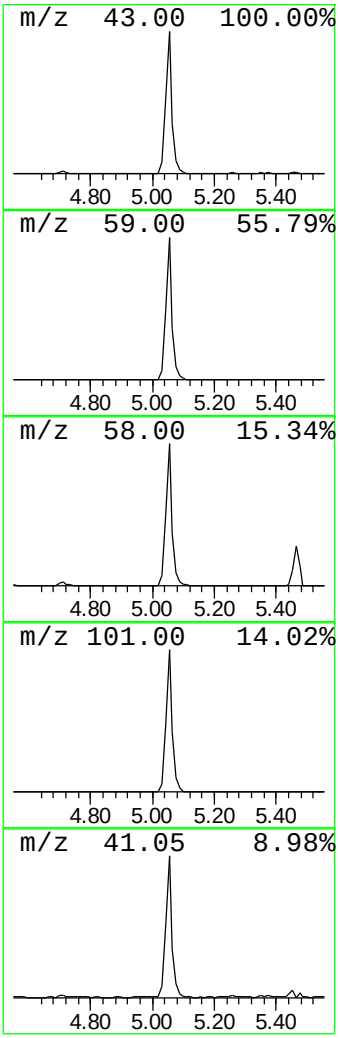
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	28.60 ng	2259010	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32





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Sample : H5825-02
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Instrument : BNA_F
ClientSampleId : S120116SF-S-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

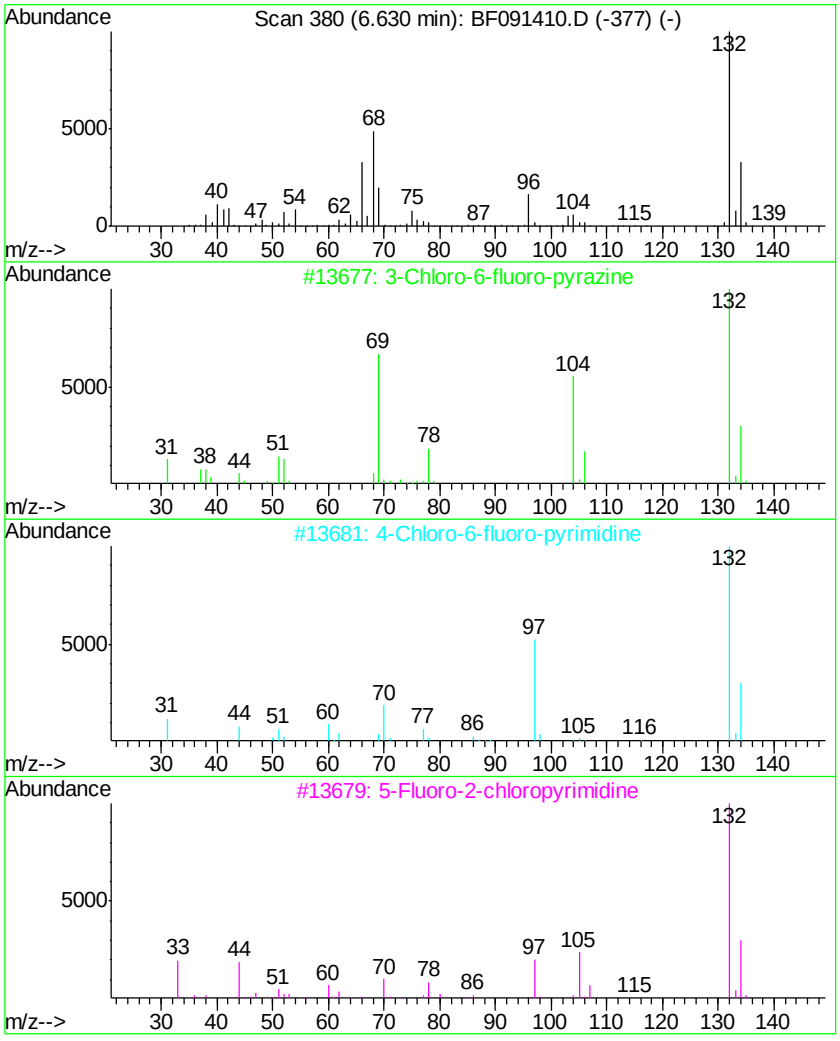
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

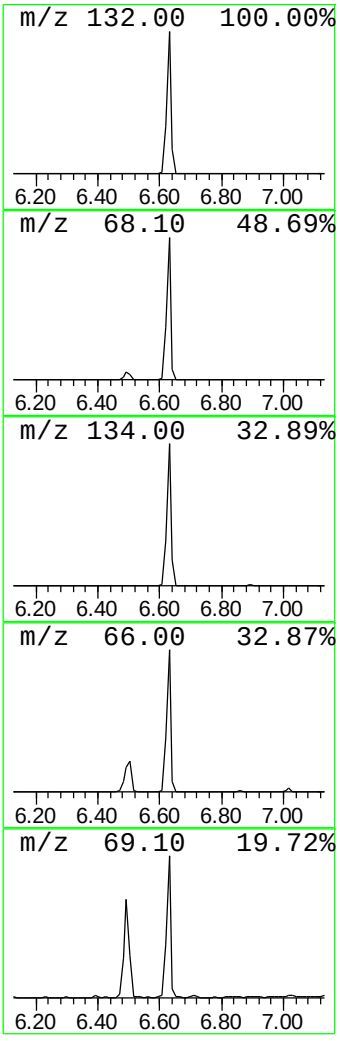
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	64.80 ng	5118010	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





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TIC Library : C:\DATABASE\NIST02.L
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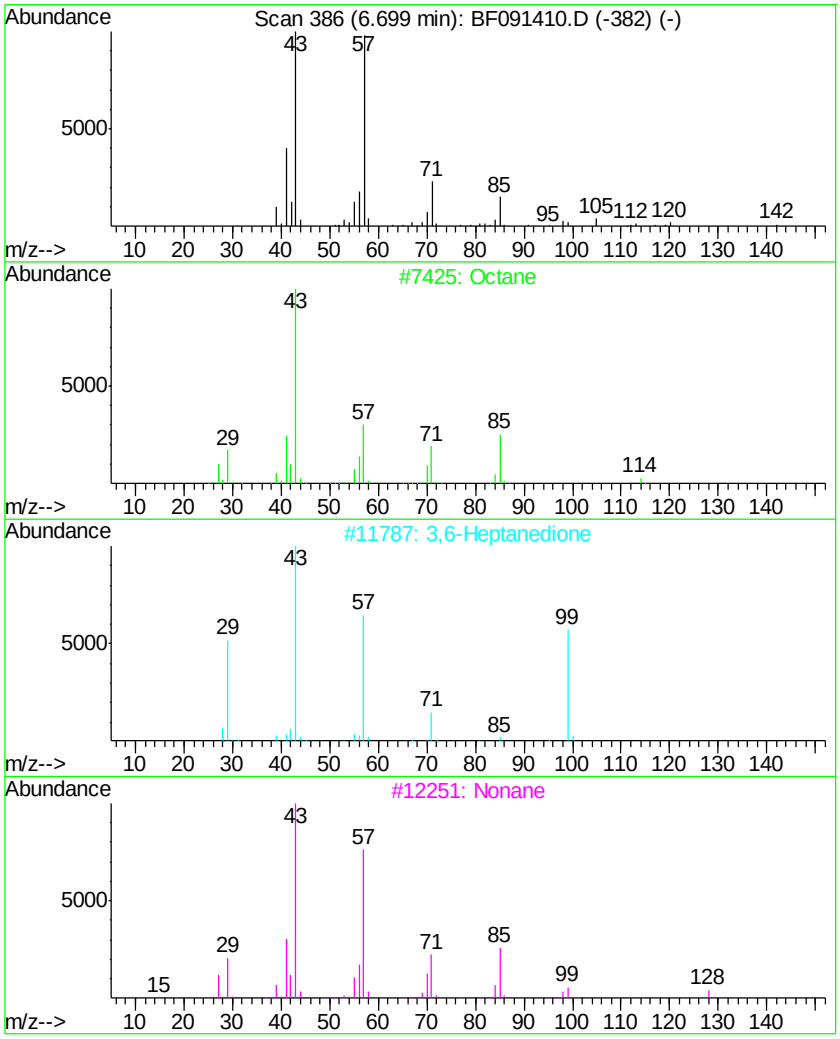
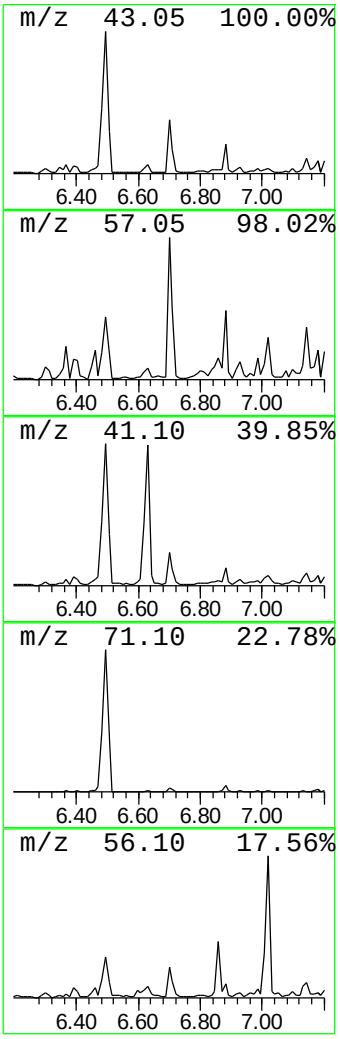
Peak Number 3 Octane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	4.06 ng	320804	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	59
2	3,6-Heptanedione	128	C7H12O2	001703-51-1	59
3	Nonane	128	C9H20	000111-84-2	59
4	Decane	142	C10H22	000124-18-5	50
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50





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Instrument : BNA_F
ClientSampleId : S120116SF-S-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
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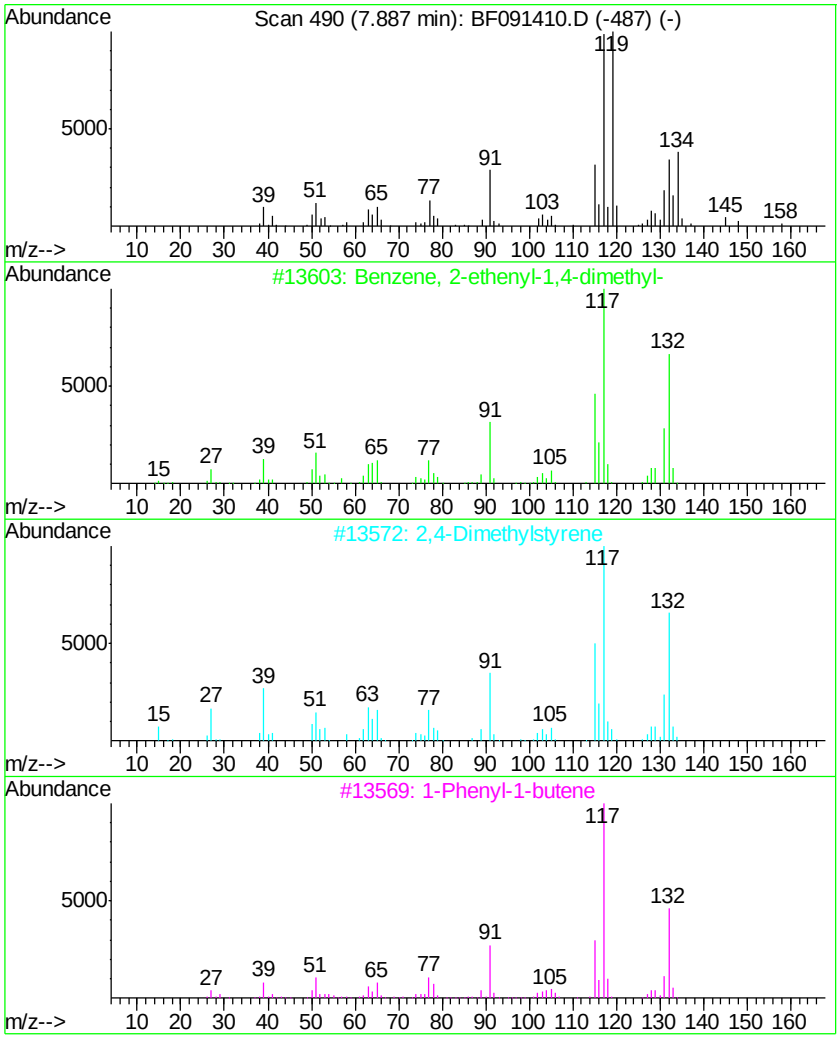
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

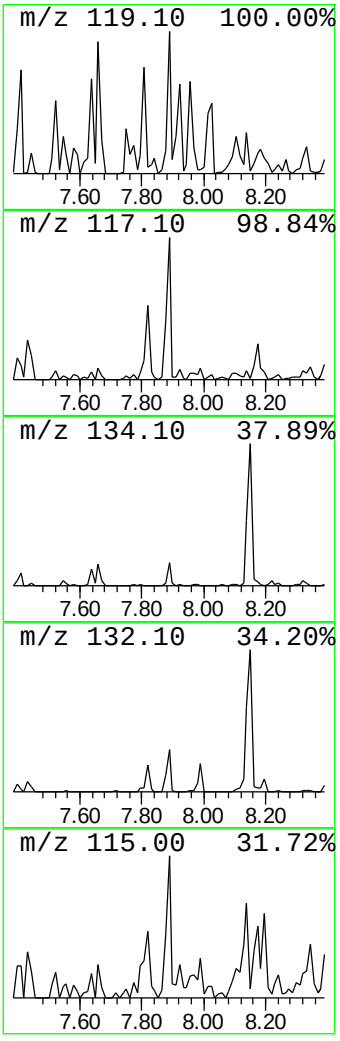
****

Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	4.48 ng	527864	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	83
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	80
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	55
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	55





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
Data File : BF091410.D
Acq On : 3 Dec 2016 00:57
Operator : UM/SJ
Sample : H5825-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S120116SF-S-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

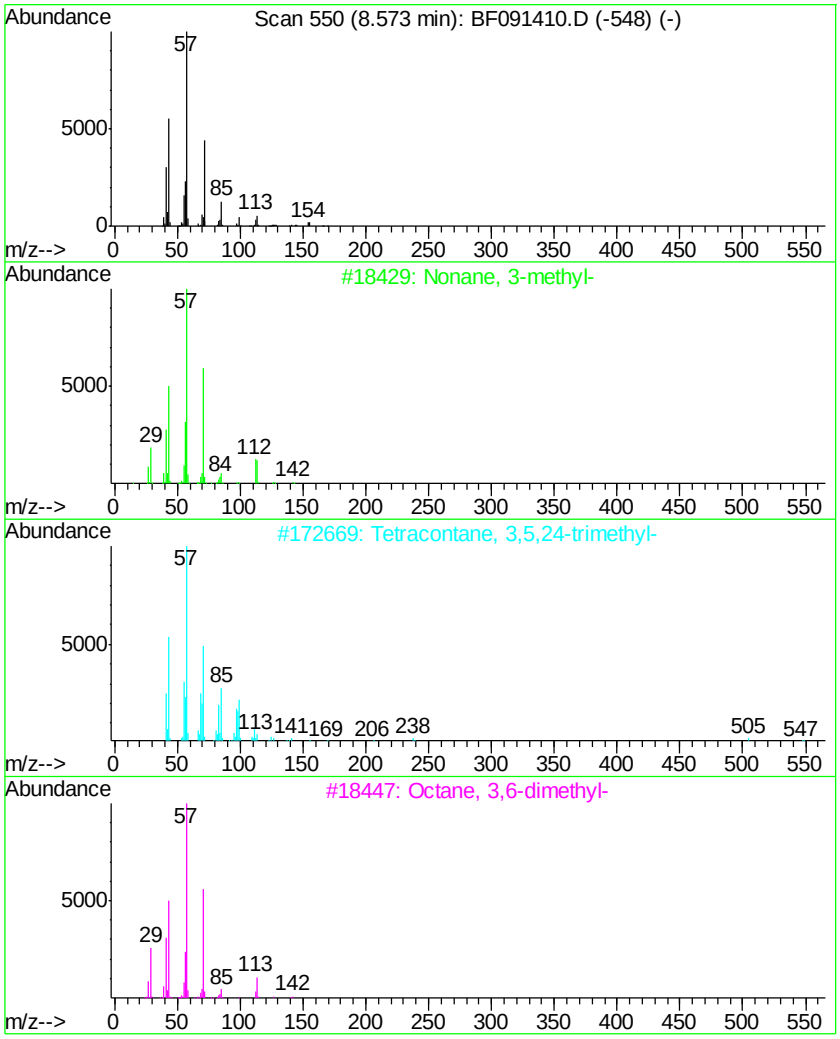
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

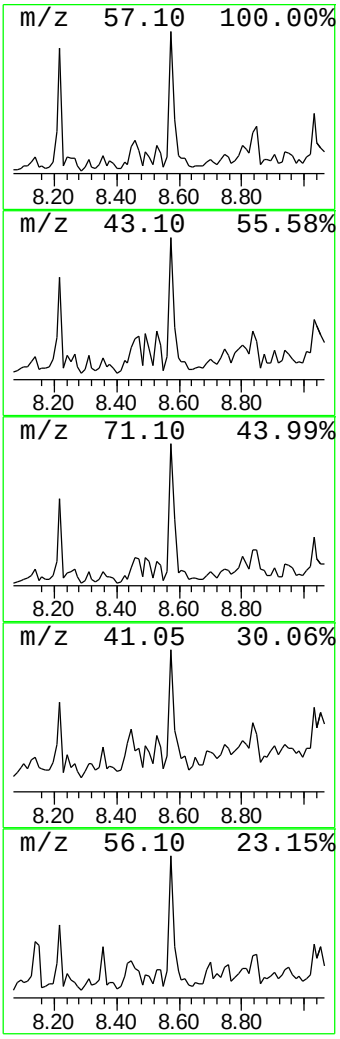
****

Peak Number 6 Nonane, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	5.41 ng	637254	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
2	Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	72
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	59





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
Data File : BF091410.D
Acq On : 3 Dec 2016 00:57
Operator : UM/SJ
Sample : H5825-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S120116SF-S-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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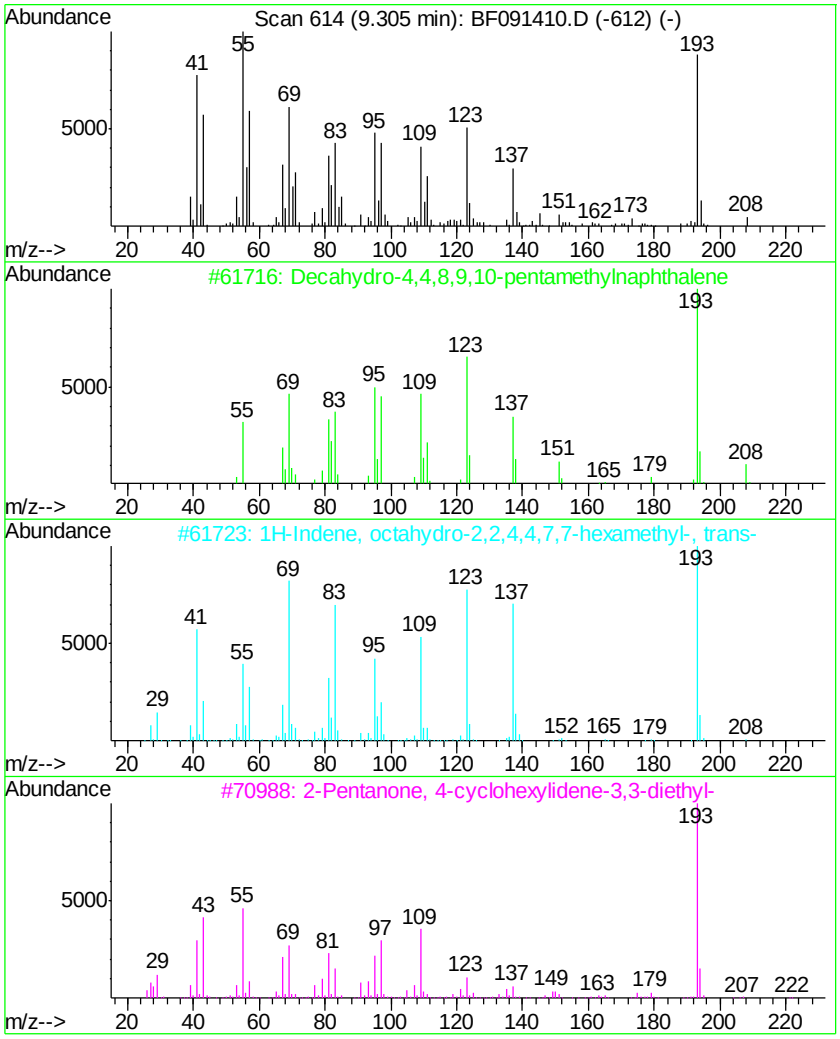
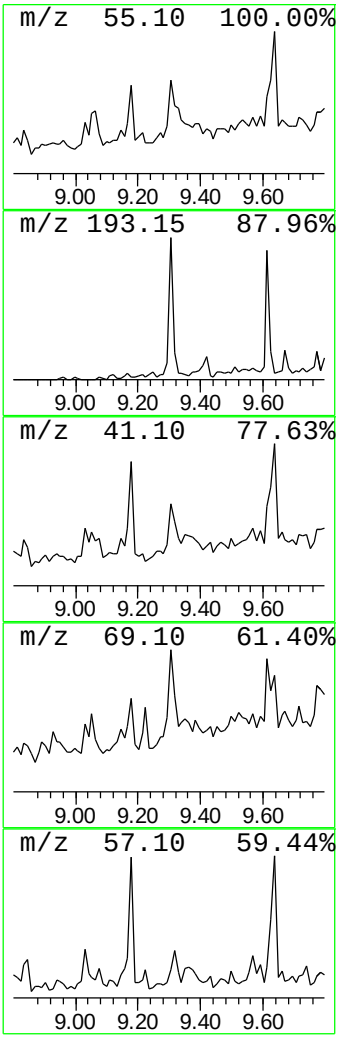
Peak Number 8 unknown9.30 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	5.65 ng	671454	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	43
2	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	38
3	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	35
4	1-(P-FLUOROPHENYL)-4-PIPERIDONE	193	C11H12FNO	1000238-56-7	35
5	Cyclohexane, 1,2,4,5-tetraethyl-...	196	C14H28	061142-24-3	25





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Data File : BF091410.D
Acq On : 3 Dec 2016 00:57
Operator : UM/SJ
Sample : H5825-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S120116SF-S-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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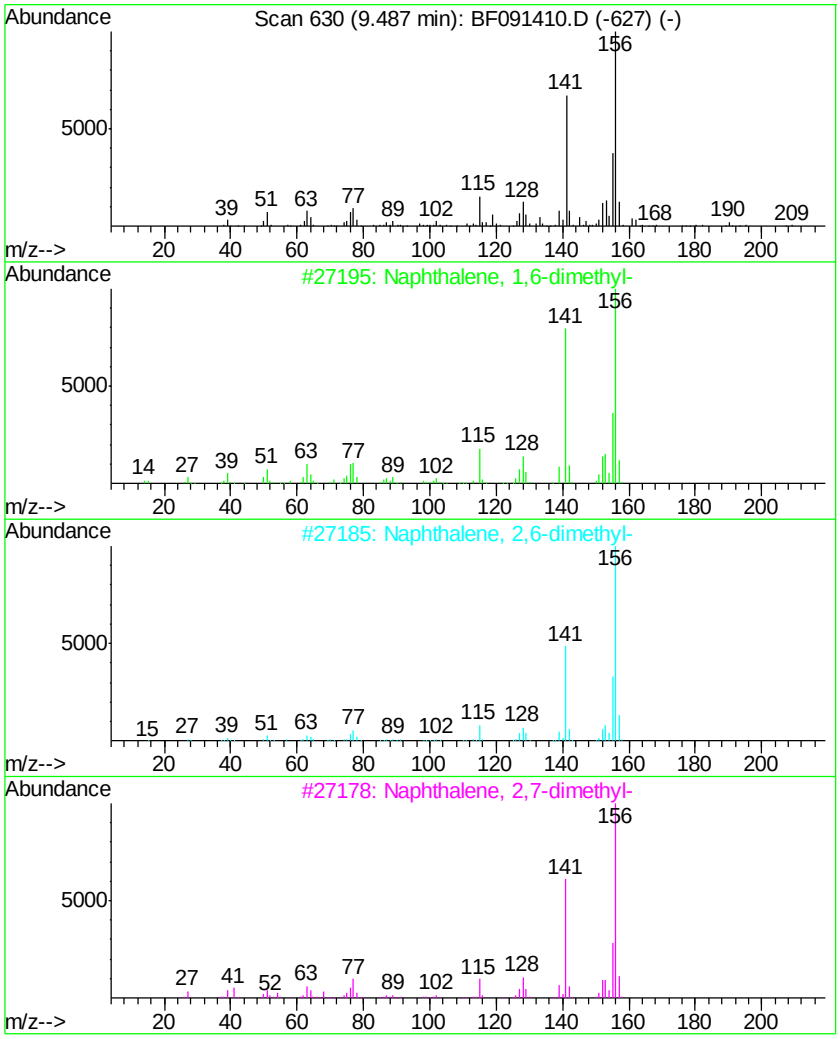
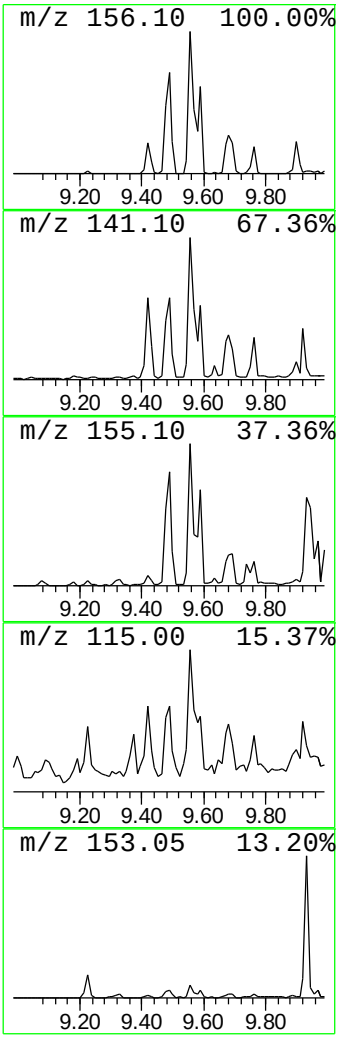
Peak Number 9 Naphthalene, 1,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	5.49 ng	652217	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Acq On : 3 Dec 2016 00:57
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Sample : H5825-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S120116SF-S-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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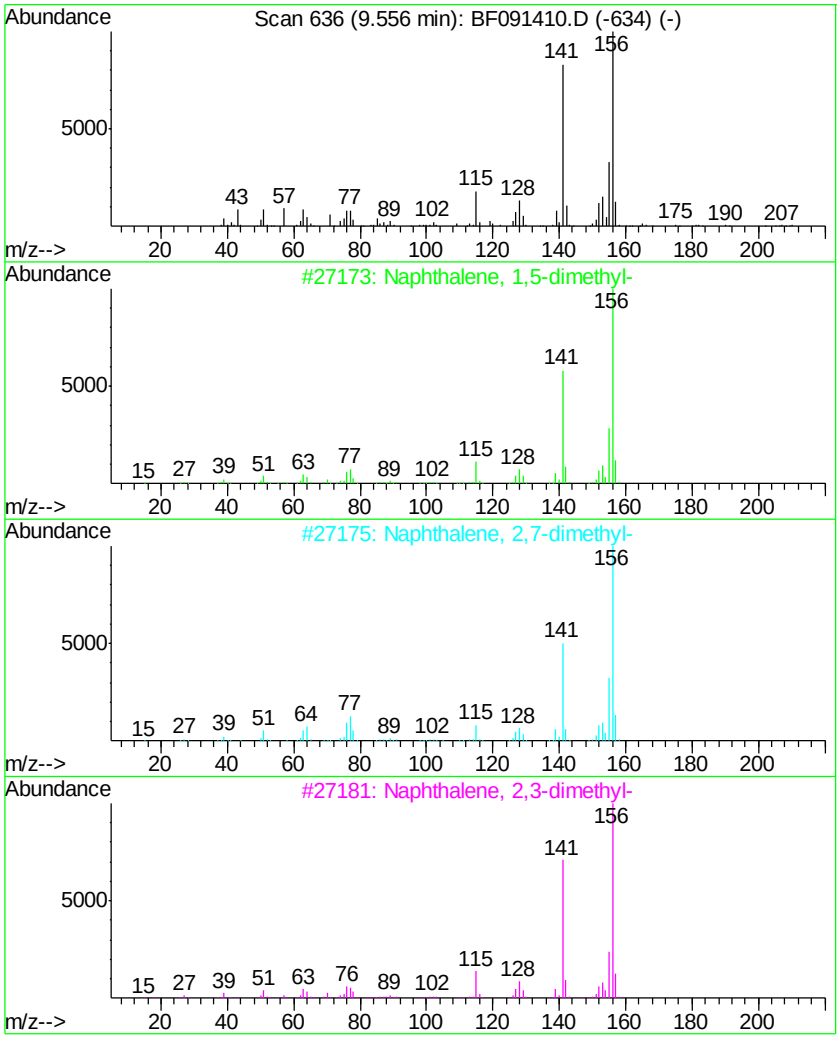
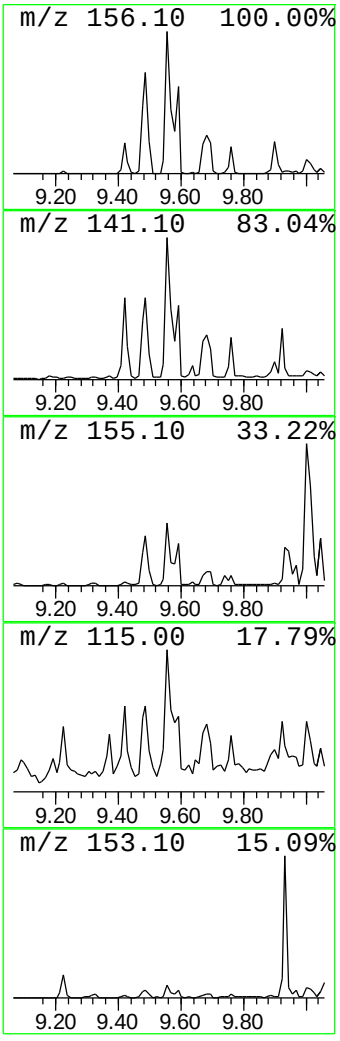
Peak Number 10 Naphthalene, 1,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	6.58 ng	781459	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Data File : BF091410.D
Acq On : 3 Dec 2016 00:57
Operator : UM/SJ
Sample : H5825-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S120116SF-S-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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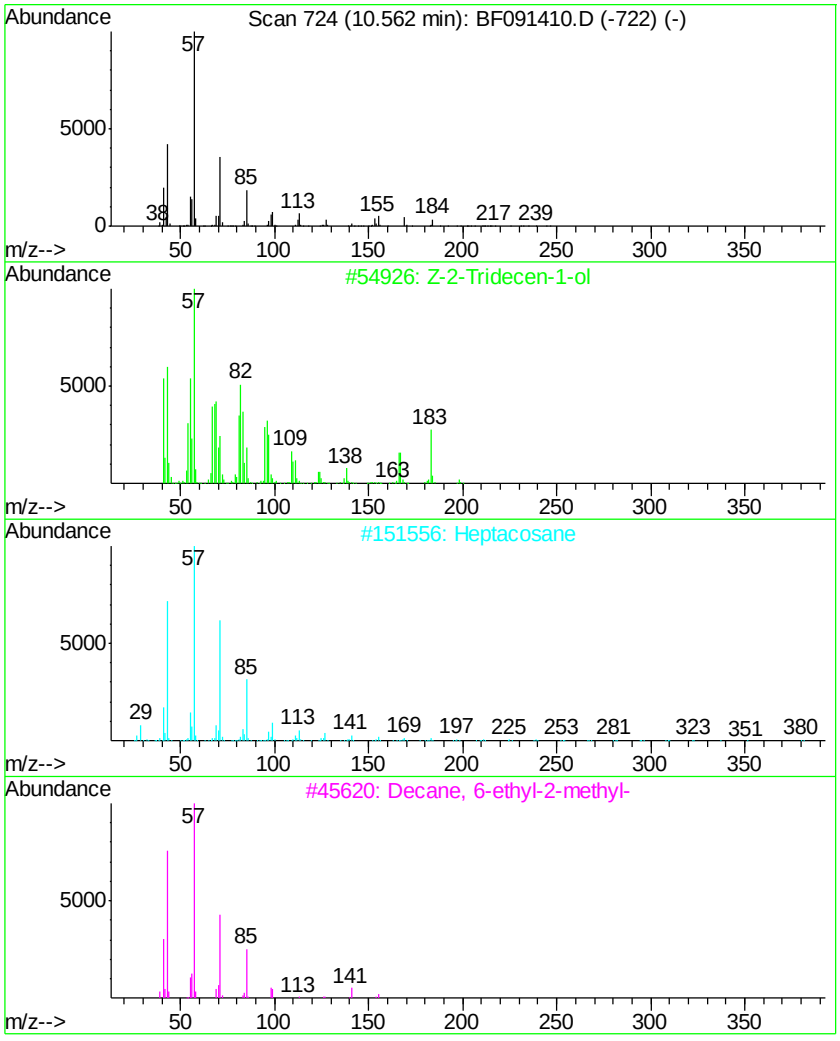
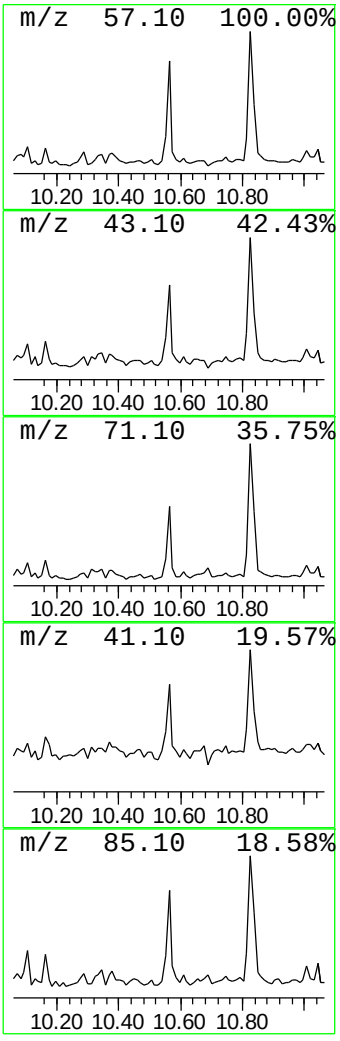
Peak Number 11 Z-2-Tridecen-1-ol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	8.45 ng	1003340	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z-2-Tridecen-1-ol	198	C13H26O	1000130-75-8	74
2	Heptacosane	380	C27H56	000593-49-7	64
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	59
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	59
5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	53





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Acq On : 3 Dec 2016 00:57
Operator : UM/SJ
Sample : H5825-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S120116SF-S-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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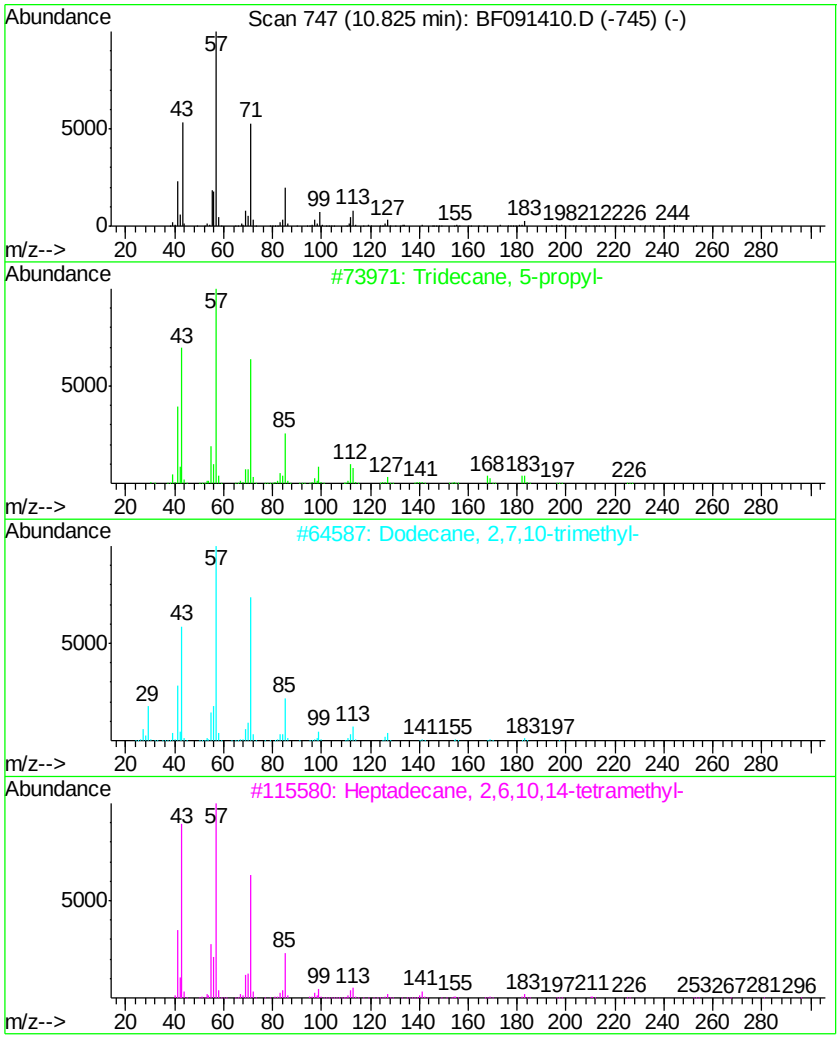
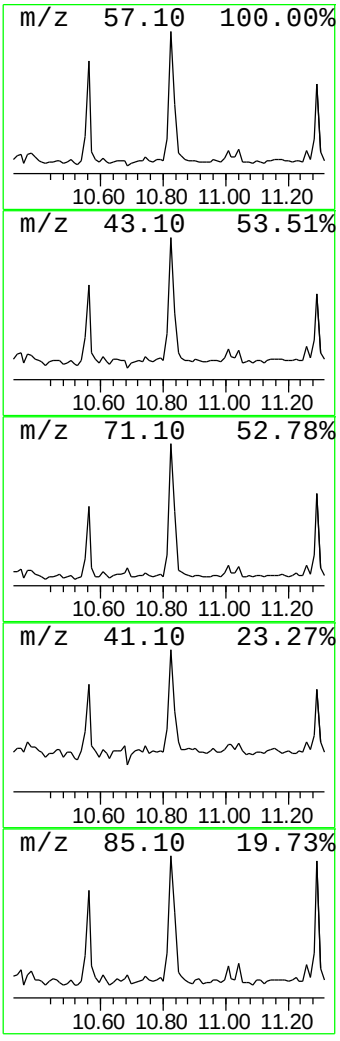
Peak Number 12 Tridecane, 5-propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	16.83 ng	1556340	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	91
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	83
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	78
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
5	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	72





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Acq On : 3 Dec 2016 00:57
Operator : UM/SJ
Sample : H5825-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S120116SF-S-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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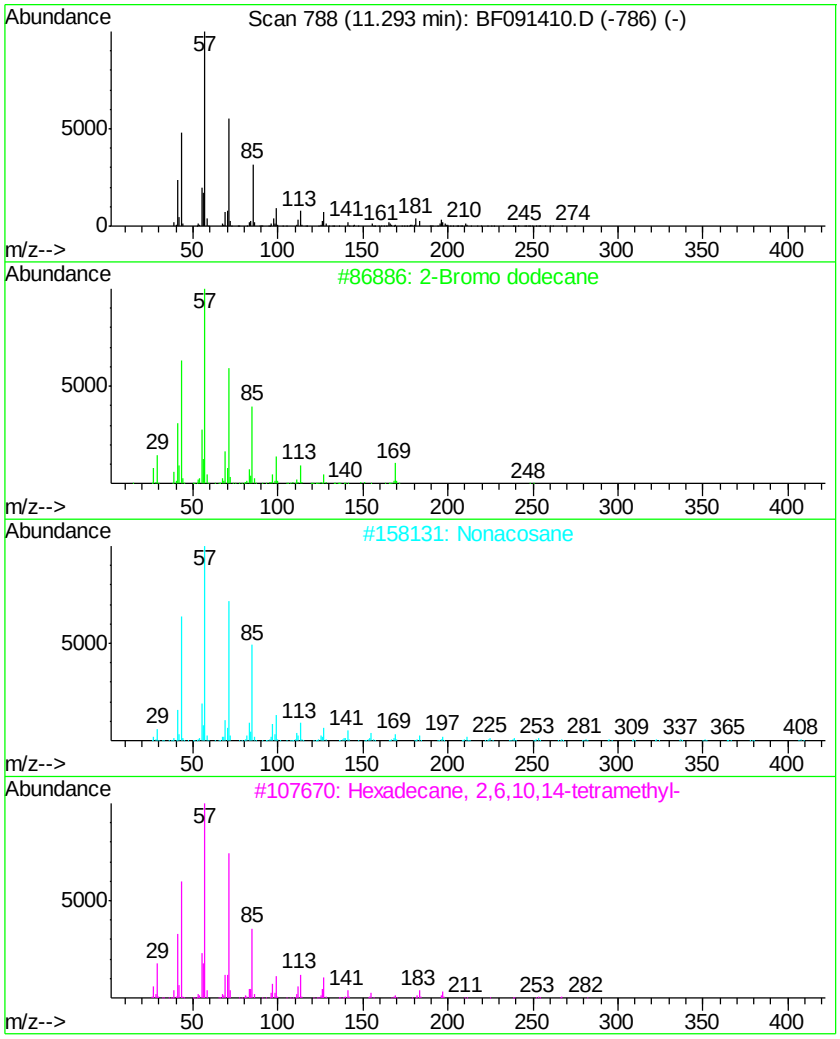
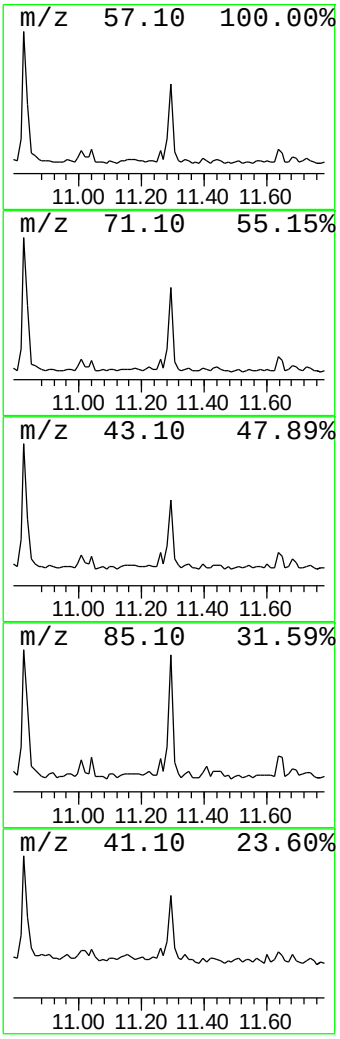
Peak Number 13 2-Bromo dodecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	11.35 ng	1049090	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	83
2	Nonacosane	408	C29H60	000630-03-5	72
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	64
5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	64





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Acq On : 3 Dec 2016 00:57
Operator : UM/SJ
Sample : H5825-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S120116SF-S-2

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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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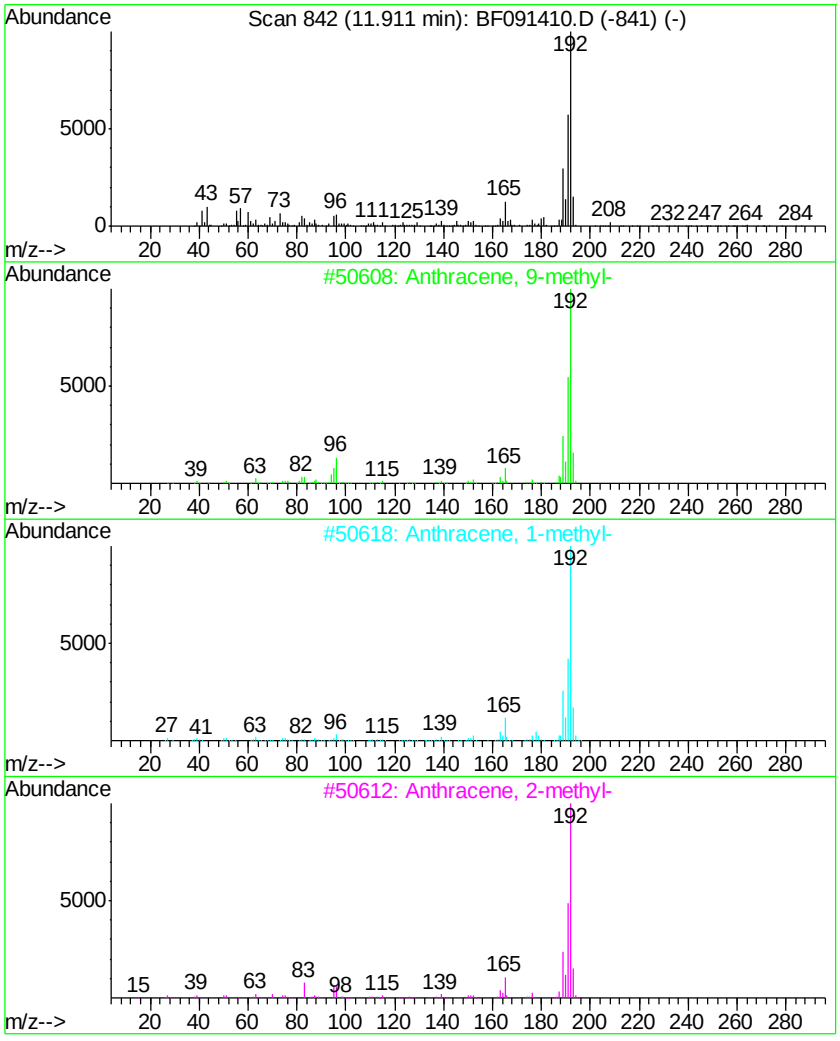
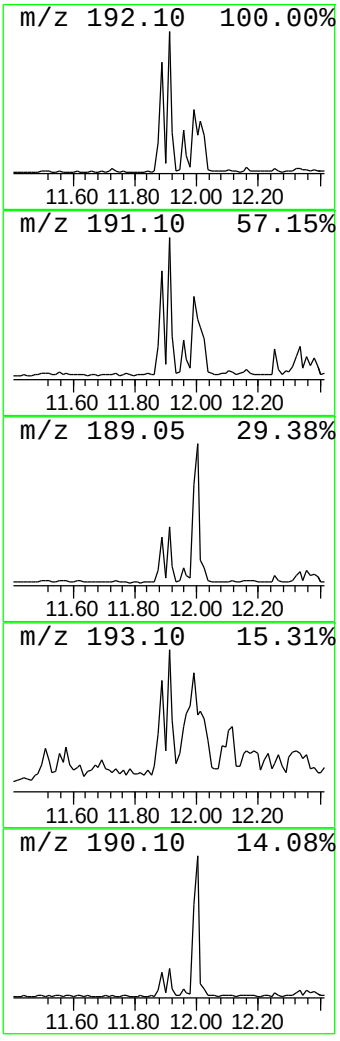
Peak Number 14 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	6.80 ng	628908	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Operator : UM/SJ
Sample : H5825-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S120116SF-S-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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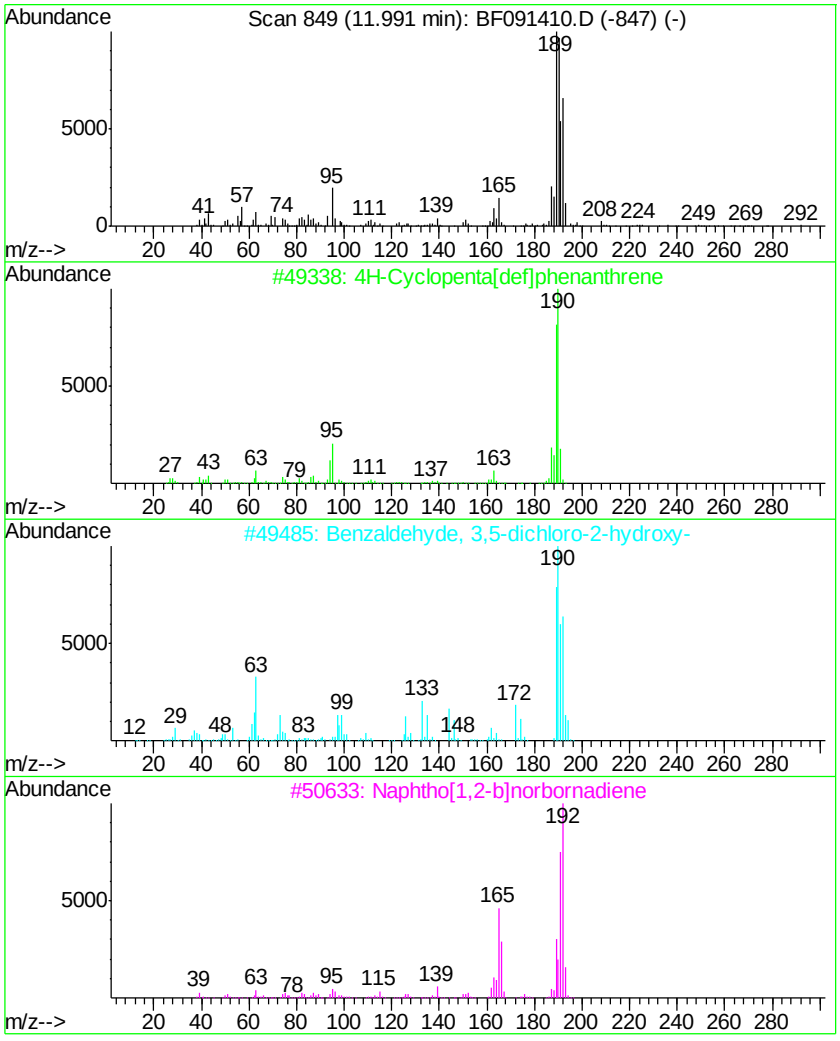
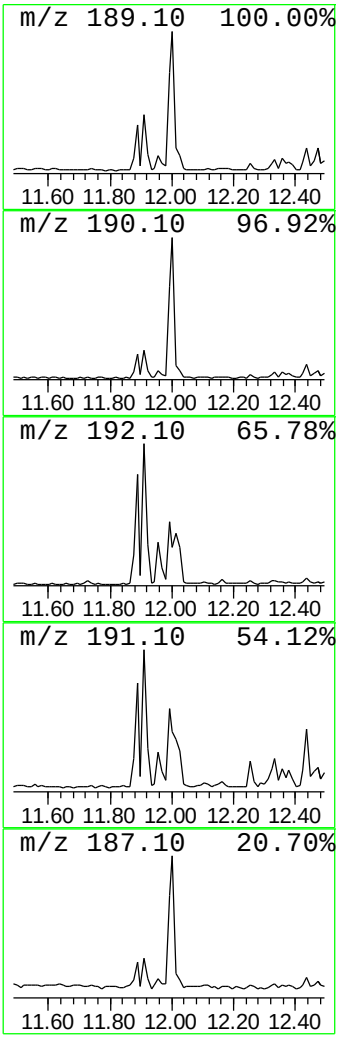
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	11.98 ng	1107700	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	42
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	25





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Sample : H5825-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S120116SF-S-2

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

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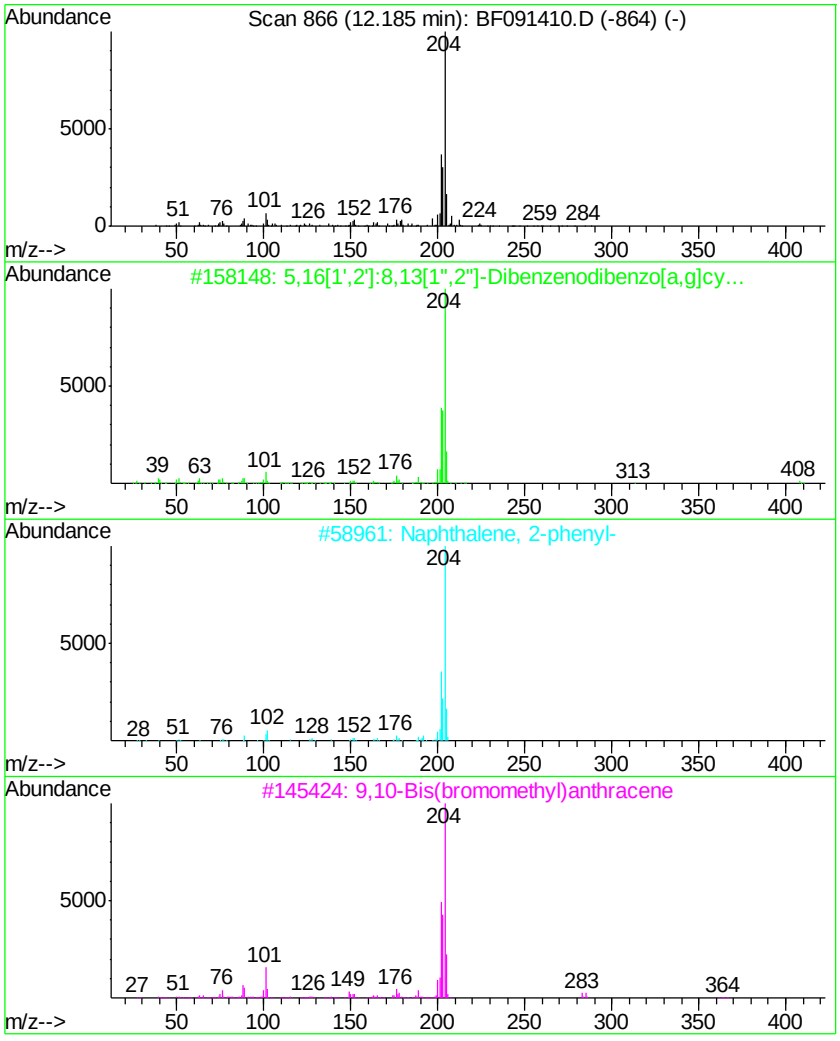
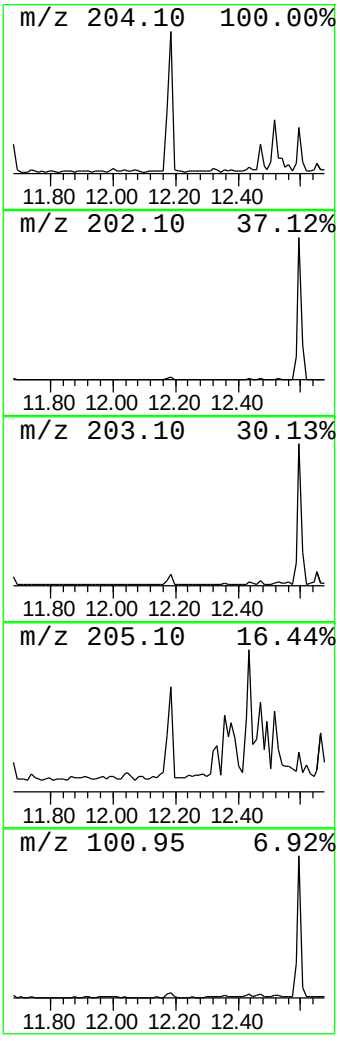
Peak Number 16 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	4.64 ng	428687	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	72
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	62





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Misc :
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ClientSampleId : S120116SF-S-2

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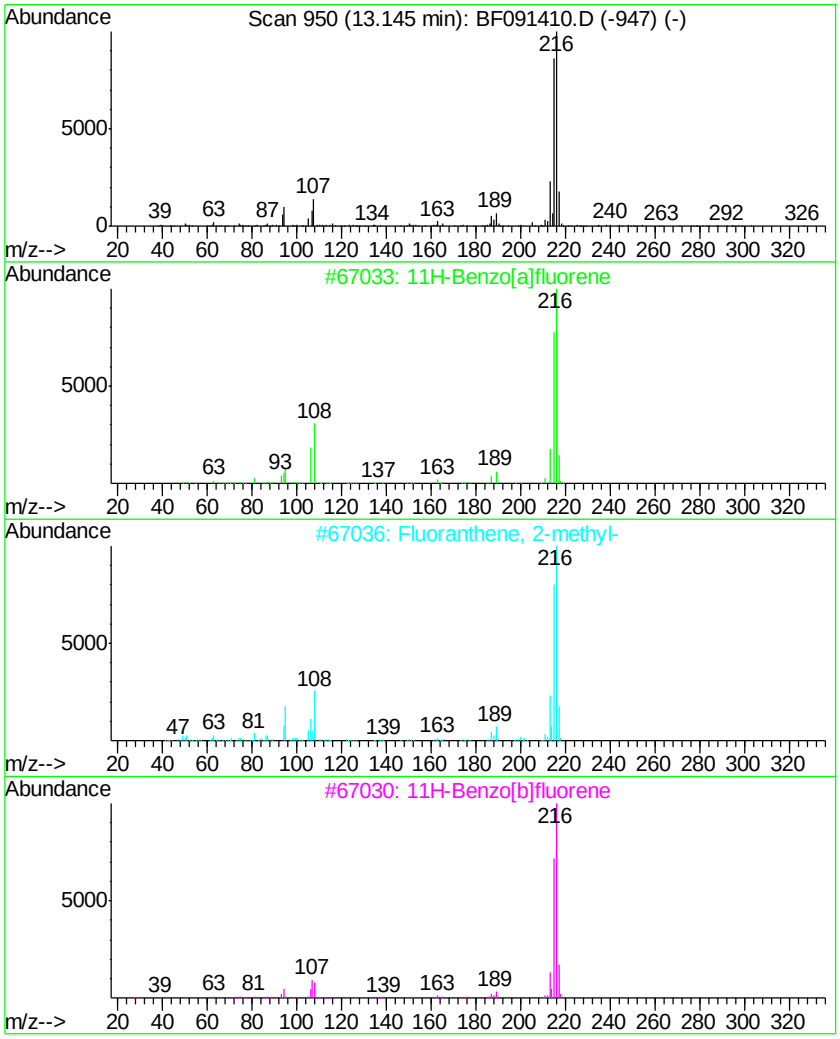
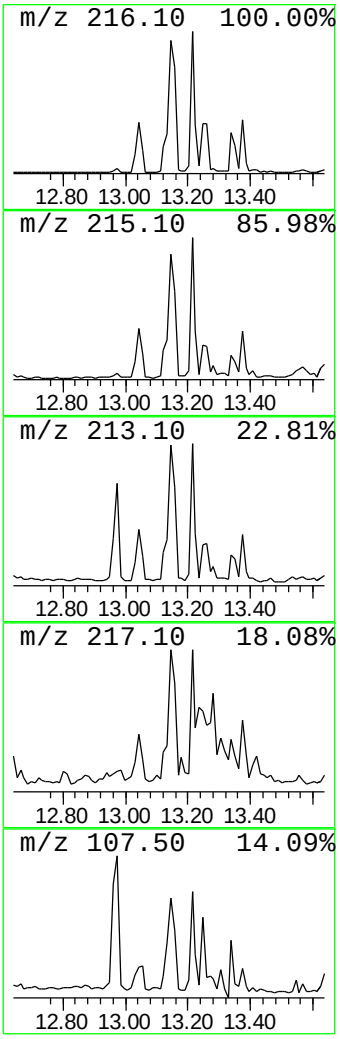
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	3.59 ng	641679	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Misc :
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ClientSampleId : S120116SF-S-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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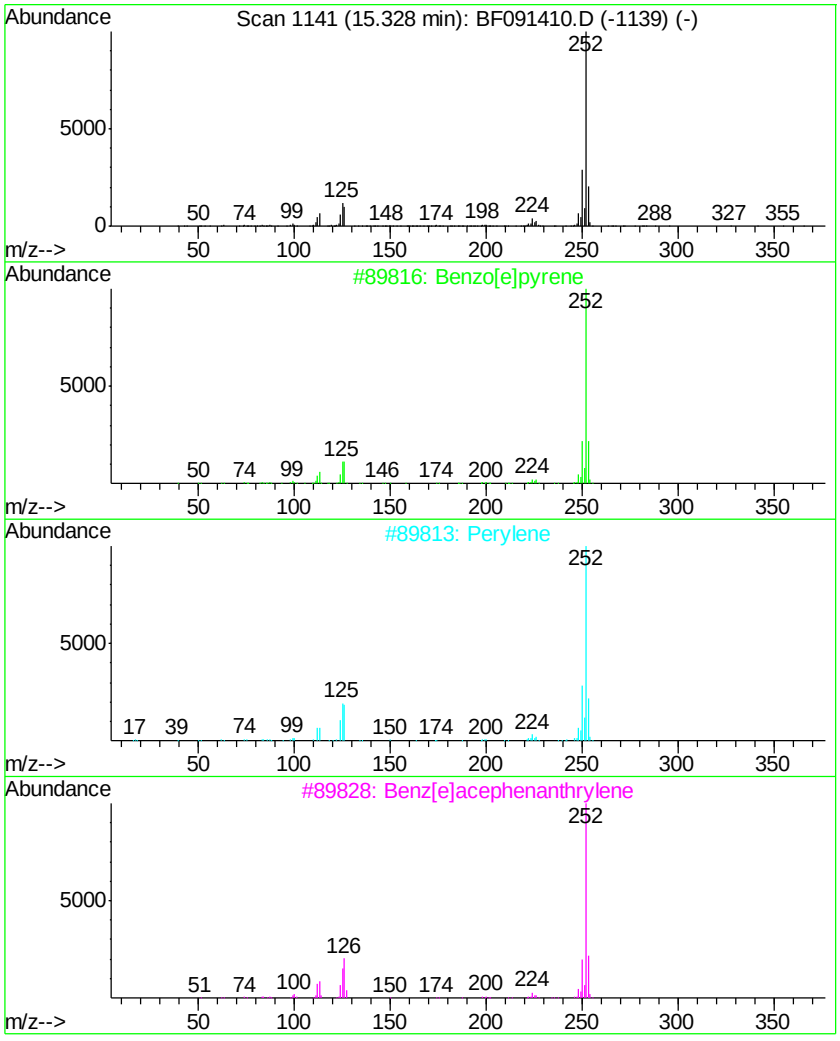
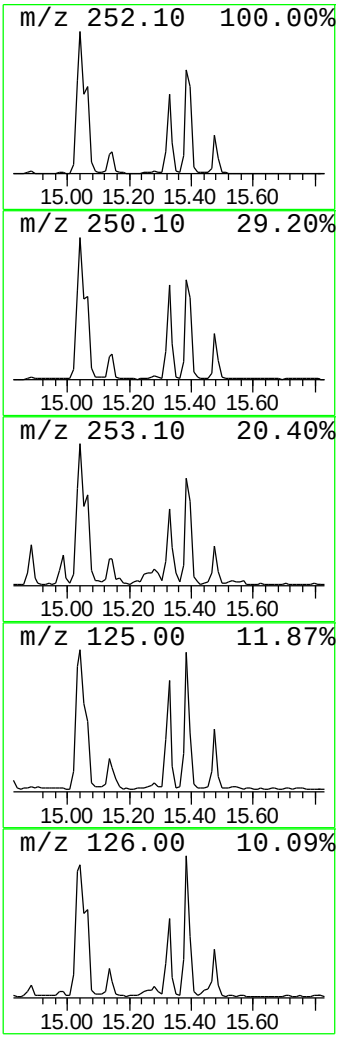
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	9.98 ng	639465	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Data File : BF091410.D
Acq On : 3 Dec 2016 00:57
Operator : UM/SJ
Sample : H5825-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S120116SF-S-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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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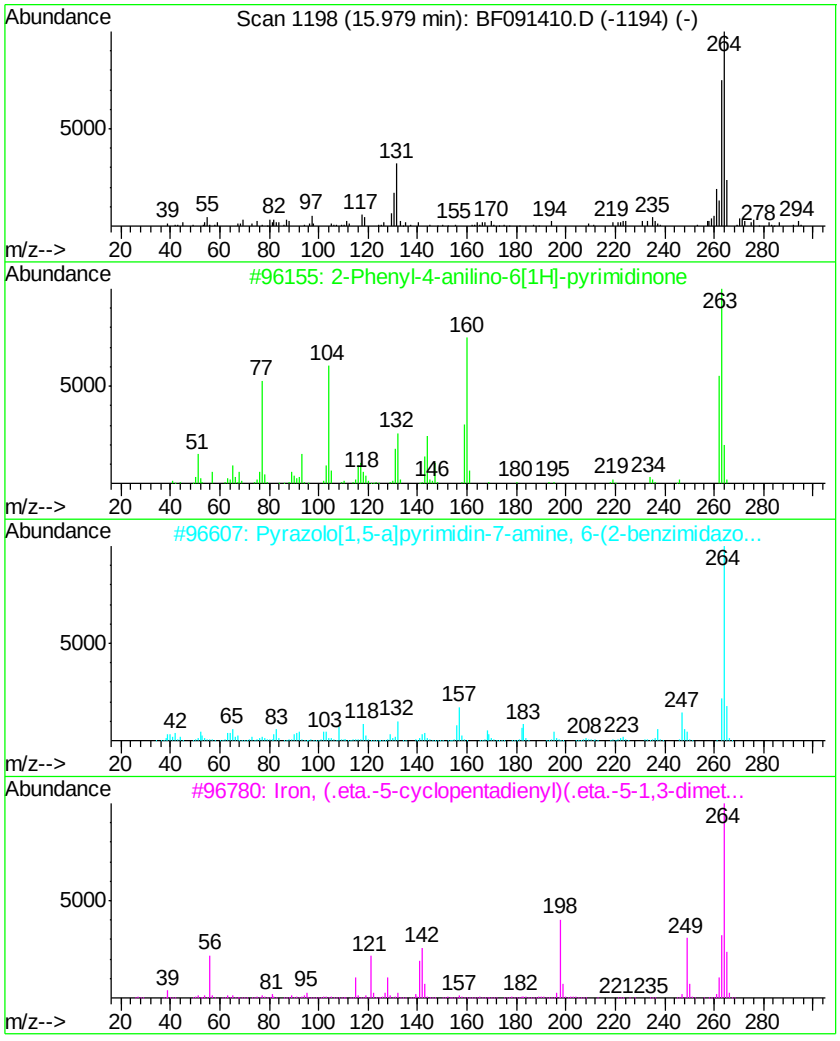
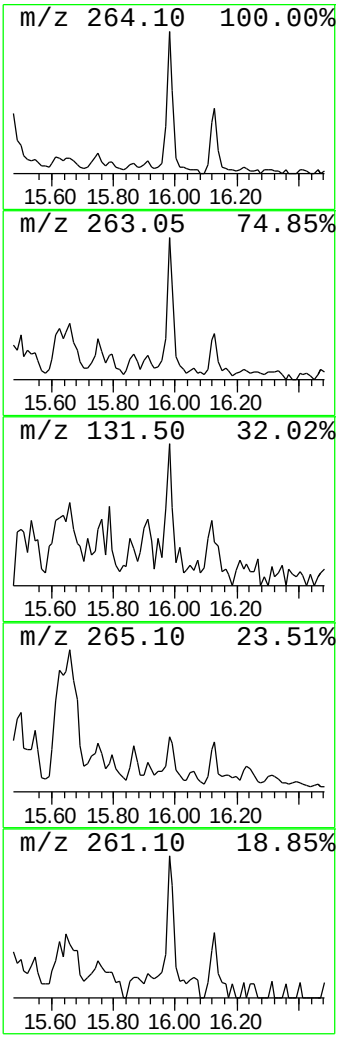
Peak Number 20 unknown15.98 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	3.89 ng	249120	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenyl-4-anilino-6[1H]-pyrimid...	263	C16H13N3O	031595-74-1	35
2	Pyrazolo[1,5-a]pyrimidin-7-amine...	264	C14H12N6	1000276-36-9	35
3	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	32
4	Chromeno(4,3-c)chromene-5,11-dione	264	C16H8O4	013225-81-5	27
5	Anthraquinone, 2,3,6,7-tetramethyl-	264	C18H16O2	015247-68-4	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
Data File : BF091410.D
Acq On : 3 Dec 2016 00:57
Operator : UM/SJ
Sample : H5825-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S120116SF-S-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.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...	5.05	28.6	ng	2259010	1	6.86	1579640	20.0
unknown6.63	6.63	64.8	ng	5118010	1	6.86	1579640	20.0
Octane	6.70	4.1	ng	320804	1	6.86	1579640	20.0
Benzene, 2-etheny...	7.89	4.5	ng	527864	2	8.15	2357560	20.0
Nonane, 3-methyl-	8.57	5.4	ng	637254	2	8.15	2357560	20.0
unknown9.30	9.30	5.7	ng	671454	3	9.90	2376000	20.0
Naphthalene, 1,6-...	9.49	5.5	ng	652217	3	9.90	2376000	20.0
Naphthalene, 1,5-...	9.56	6.6	ng	781459	3	9.90	2376000	20.0
Z-2-Tridecen-1-ol	10.56	8.4	ng	1003340	3	9.90	2376000	20.0
Tridecane, 5-propyl-	10.82	16.8	ng	1556340	4	11.38	1849360	20.0
2-Bromo dodecane	11.29	11.4	ng	1049090	4	11.38	1849360	20.0
Anthracene, 9-met...	11.91	6.8	ng	628908	4	11.38	1849360	20.0
4H-Cyclopenta[def...	11.99	12.0	ng	1107700	4	11.38	1849360	20.0
5,16[1',2']:8,13[...	12.18	4.6	ng	428687	4	11.38	1849360	20.0
11H-Benzo[a]fluorene	13.14	3.6	ng	641679	5	14.03	3575870	20.0
Benzo[e]pyrene	15.33	10.0	ng	639465	6	15.45	1282080	20.0
unknown15.98	15.98	3.9	ng	249120	6	15.45	1282080	20.0