LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091684.D
Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

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-BF120916.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	4.944	247	250	260	rVB	1369056	2488528	16.23%	1.640%
2	5.378	285	288	291	rBV	4160941	4808384	31.35%	3.169%
3	6.019	342	344	347	rVB	227939	240820	1.57%	0.159%
4	6.293	367	368	374	rBV3	84333	179560	1.17%	0.118%
5	6.419	376	379	382	rVB	4506744	5284890	34.46%	3.483%
6	6.544	387	390	392	rVB	5355677	5282325	34.45%	3.482%
7	6.773	407	410	411	rBV	1233552	1064244	6.94%	0.701%
8	6.796	411	412	414	rVB2	165742	180262	1.18%	0.119%
9	6.933	422	424	426	rVV	3935263	4126023	26.91%	2.719%
10	7.024	428	432	433	rBV3	88922	194392	1.27%	0.128%
11	7.333	454	459	462	rBV	2398557	4018075	26.20%	2.648%
12	7.424	465	467	470	rBV4	301980	444537	2.90%	0.293%
13	7.584	475	481	483	rVB4	260787	600169	3.91%	0.396%
14	7.699	486	491	494	rBV6	232850	601263	3.92%	0.396%
15	7.802	497	500	501	rBV	191443	222481	1.45%	0.147%
16	7.824	501	502	505	rVB3	135532	220482	1.44%	0.145%
17	7.882	505	507	509	rBV2	137253	229069	1.49%	0.151%
18	7.950	509	513	516	rBV4	115912	334605	2.18%	0.221%
19	8.019	516	519	520	rBV2	192548	354197	2.31%	0.233%
20	8.053	520	522	525	rVV	1578934	2139176	13.95%	1.410%
21	8.133	526	529	530	rVB	539790	573980	3.74%	0.378%
22	8.236	535	538	539	rBV2	145132	301692	1.97%	0.199%
23	8.362	545	549	550	rVB3	276215	525680	3.43%	0.346%
24	8.407	550	553	554	rBV3	108136	194706	1.27%	0.128%
25	8.442	554	556	558	rVB2	124394	192224	1.25%	0.127%
26	8.499	558	561	563	rBV	597315	1062974	6.93%	0.701%
27	8.567	565	567	569	rBV2	224683	297670	1.94%	0.196%
28	8.659	573	575	577	rBV3	91652	196821	1.28%	0.130%
29	8.773	582	585	587	rVV2	534169	902492	5.89%	0.595%
30	8.865	591	593	597	rVV2	456718	836866	5.46%	0.552%
31	8.979	601	603	604	rVB	209442	260446	1.70%	0.172%
32	9.093	610	613	614	rBV	804618	839496	5.47%	0.553%
33	9.139	614	617	619	rVB	5975529	5882779	38.36%	3.877%
34	9.219	622	624	627	rBV3	169774	378309	2.47%	0.249%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091684.D
Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

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-BF120916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.333	632	634	636	rVB	283920	380412	2.48%	0.251%
36	9.390	636	639	642	rBV2	293282	635367	4.14%	0.419%
37	9.470	642	646	647	rVV	440058	573216	3.74%	0.378%
38	9.493	647	648	650	rVV	395987	536161	3.50%	0.353%
39	9.527	650	651	654	rVV2	1134929	1819570	11.87%	1.199%
40	9.585	654	656	659	rVV3	143510	252996	1.65%	0.167%
41	9.653	661	662	664	rVV	345606	320853	2.09%	0.211%
42	9.813	673	676	677	rBV	2273617	2431899	15.86%	1.603%
43	9.836	677	678	682	rVB3	186778	311100	2.03%	0.205%
44	9.916	682	685	688	rVB	302978	492067	3.21%	0.324%
45	10.008	691	693	695	rVB	339698	374253	2.44%	0.247%
46	10.076	698	699	701	rBV2	163629	274018	1.79%	0.181%
47	10.213	709	711	716	rVB3	345030	557237	3.63%	0.367%
48	10.293	716	718	722	rVB	361833	444870	2.90%	0.293%
49	10.350	722	723	726	rBV3	197680	220139	1.44%	0.145%
50	10.396	726	727	730	rVV2	117586	192483	1.26%	0.127%
51	10.476	732	734	736	rBV	178785	233357	1.52%	0.154%
52	10.602	742	745	747	rVV	4555214	5047546	32.91%	3.327%
53	10.682	750	752	754	rVV	301204	369992	2.41%	0.244%
54	10.739	754	757	759	rVB	278603	421432	2.75%	0.278%
55	11.082	783	787	788	rBV4	132098	277242	1.81%	0.183%
56	11.105	788	789	791	rVV	247021	202021	1.32%	0.133%
57	11.173	791	795	796	rVV2	228176	351570	2.29%	0.232%
58	11.253	799	802	803	rVV2	200096	399133	2.60%	0.263%
59	11.288	803	805	809	rVV2	1888131	2779119	18.12%	1.832%
60	11.356	809	811	813	rVV2	205802	379668	2.48%	0.250%
61	11.436	815	818	820	rVV3	394186	669021	4.36%	0.441%
62	11.528	823	826	827	rVV2	303081	659618	4.30%	0.435%
63	11.562	827	829	830	rVV	635478	795374	5.19%	0.524%
64	11.596	830	832	833	rVV	1015296	1144242	7.46%	0.754%
65	11.631	833	835	837	rVV3	317522	588720	3.84%	0.388%
66	11.688	837	840	842	rVV	1385966	1780165	11.61%	1.173%
67	11.722	842	843	847	rVV3	376143	863174	5.63%	0.569%
68	11.791	847	849	850	rVV	1628678	1795117	11.71%	1.183%
69	11.848	850	854	855	rVV3	1676753	2923219	19.06%	1.927%
70	11.882	855	857	859	rVV	2562225	3578086	23.33%	2.358%
71	11.928	859	861	862	rVV	1586556	2239896	14.61%	1.476%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091684.D
Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

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-BF120916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.996	864	867	869	rVV2	1938278	3917552	25.55%	2.582%
73	12.042	869	871	873	rVV2	1516504	2828728	18.45%	1.864%
74	12.076	873	874	878	rVV2	3757214	6284816	40.98%	4.142%
75	12.156	878	881	884	rVV3	1425103	3706857	24.17%	2.443%
76	12.248	886	889	892	rVV	7395901	8743618	57.02%	5.763%
77	12.328	893	896	898	rVV	5085666	6508625	42.44%	4.290%
78	12.373	898	900	902	rVV3	494897	1029300	6.71%	0.678%
79	12.419	902	904	906	rVV2	1481642	1922277	12.53%	1.267%
80	12.476	906	909	910	rVV	620358	674080	4.40%	0.444%
81	12.568	913	917	919	rVV	10406234	15335322	100.00%	10.107%
82	12.602	919	920	924	rVV4	248216	408912	2.67%	0.270%
83	12.694	924	928	929	rVV2	809391	1315705	8.58%	0.867%
84	12.739	929	932	933	rVV2	154867	212819	1.39%	0.140%
85	12.796	934	937	939	rVB2	459975	693013	4.52%	0.457%
86	12.842	939	941	943	rBV	1743802	2599548	16.95%	1.713%
87	12.876	943	944	947	rVB	4201566	4602142	30.01%	3.033%
88	13.014	954	956	958	rVB	2247031	1914766	12.49%	1.262%
89	13.162	967	969	974	rVB4	137305	296037	1.93%	0.195%
90	13.265	976	978	981	rVB3	104932	193140	1.26%	0.127%
91	13.334	981	984	986	rBV2	324817	519762	3.39%	0.343%
92	13.379	986	988	990	rVB	206688	185259	1.21%	0.122%
93	13.779	1021	1023	1026	rVB	360651	390210	2.54%	0.257%
94	13.916	1032	1035	1037	rBV	1543533	1808691	11.79%	1.192%
95	14.408	1074	1078	1081	rBV4	106889	270302	1.76%	0.178%
96	14.774	1106	1110	1114	rVV6	51033	174097	1.14%	0.115%
97	14.922	1121	1123	1127	rVB	79923	173653	1.13%	0.114%
98	15.322	1155	1158	1160	rVV	1077648	1353123	8.82%	0.892%
99	15.791	1195	1199	1201	rBV2	146335	342147	2.23%	0.226%
100	19.094	1483	1488	1497	rVB4	159452	544866	3.55%	0.359%

Sum of corrected areas: 151723337

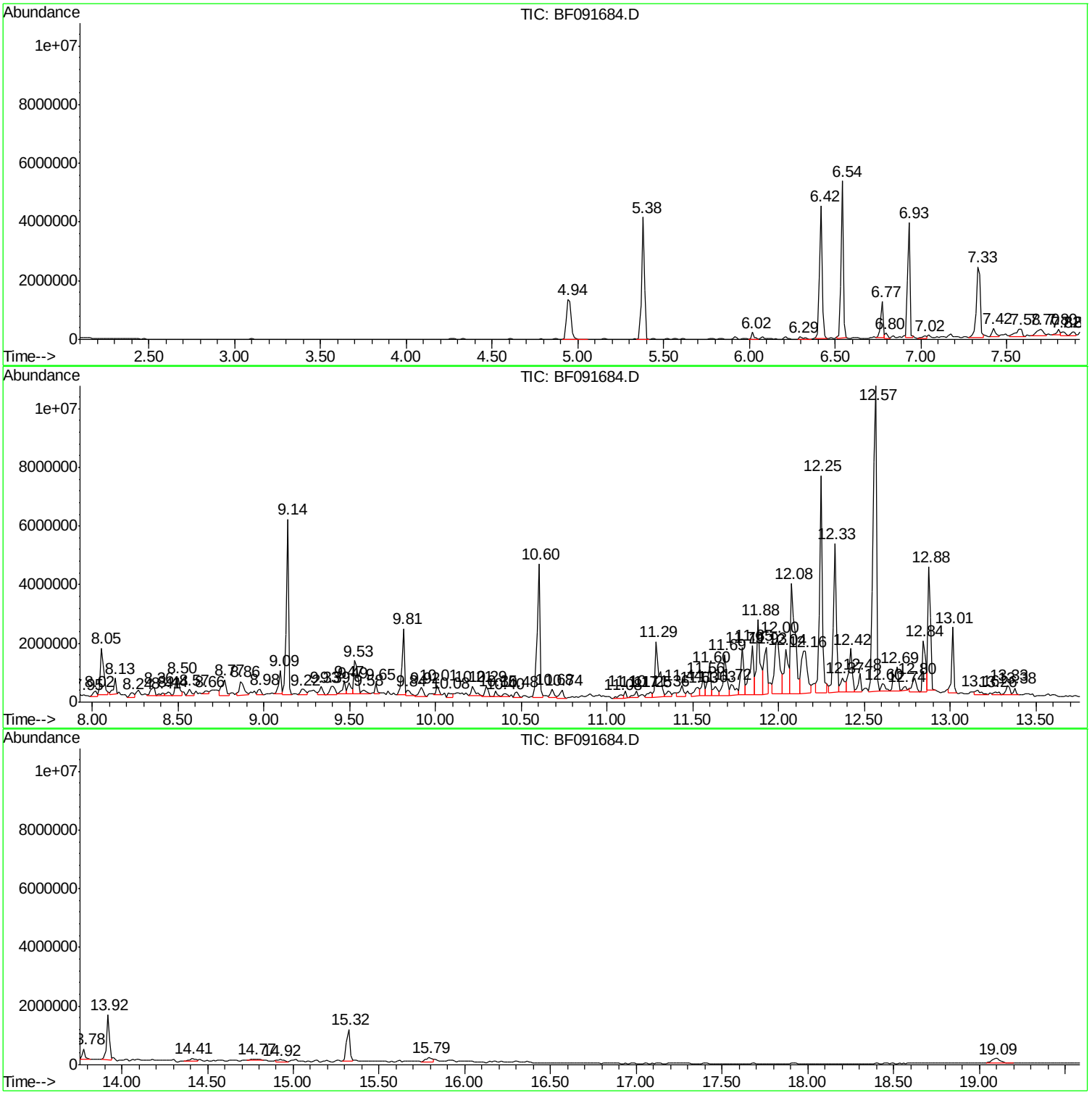
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091684.D
Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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\BF121616\
Data File : BF091684.D
Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

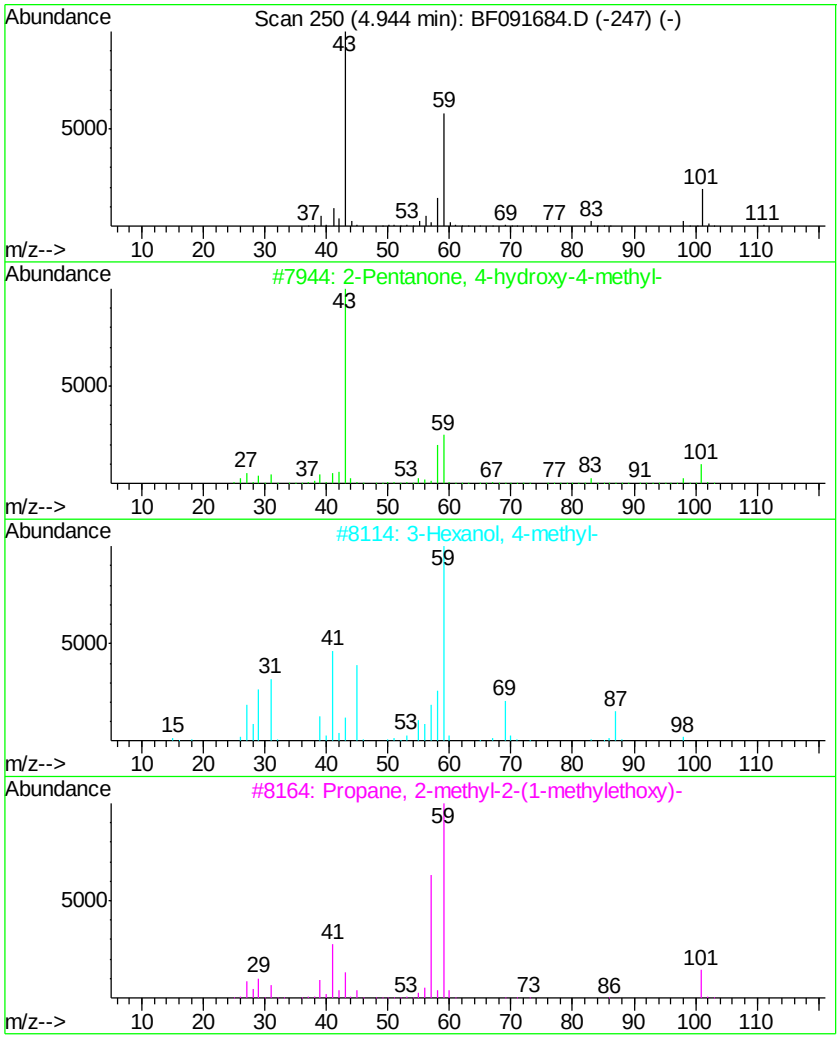
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

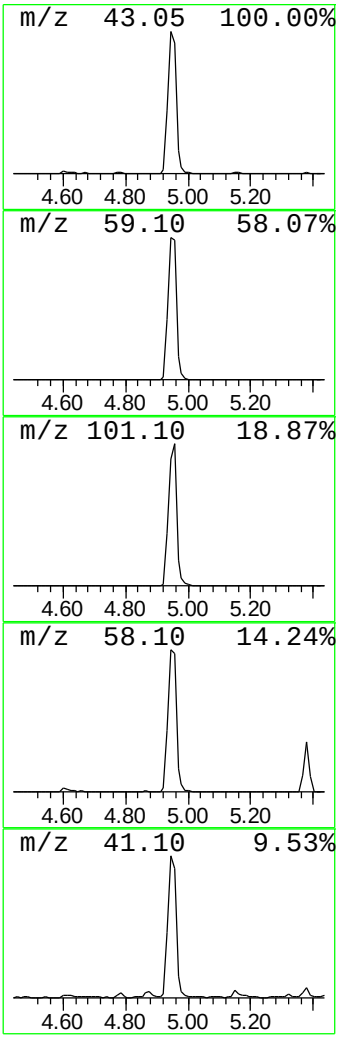
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	46.77 ng	2488530	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
4	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	25
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091684.D
Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

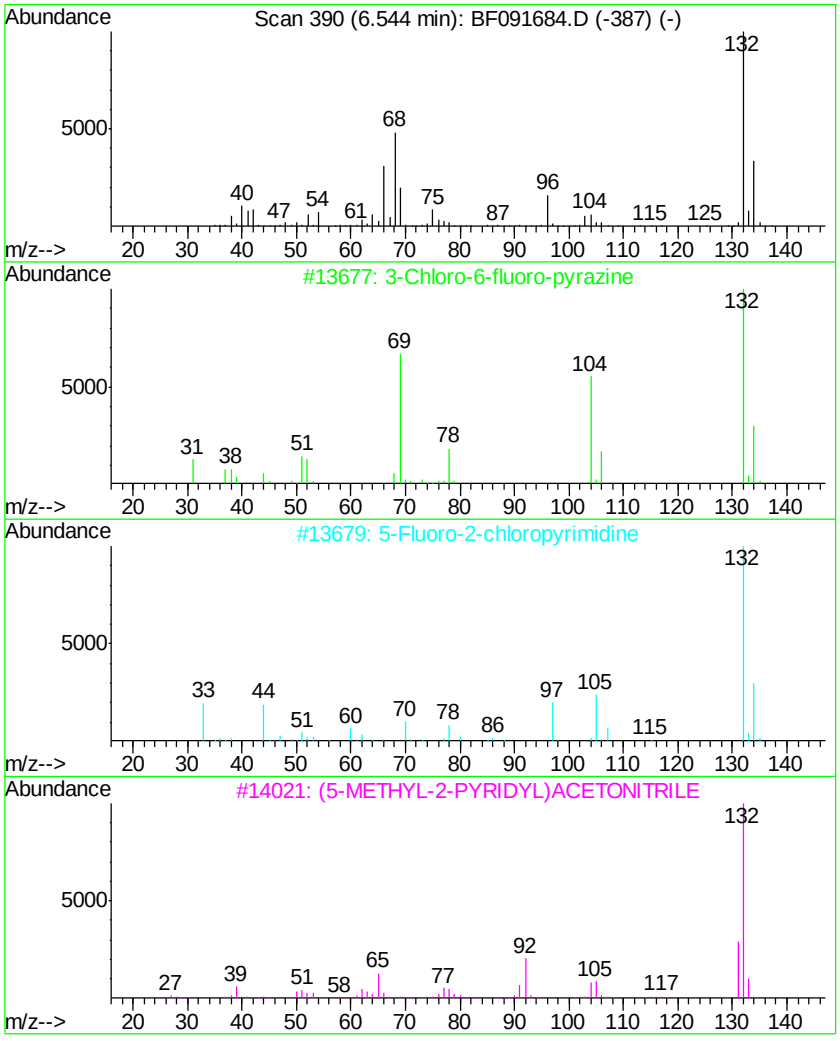
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

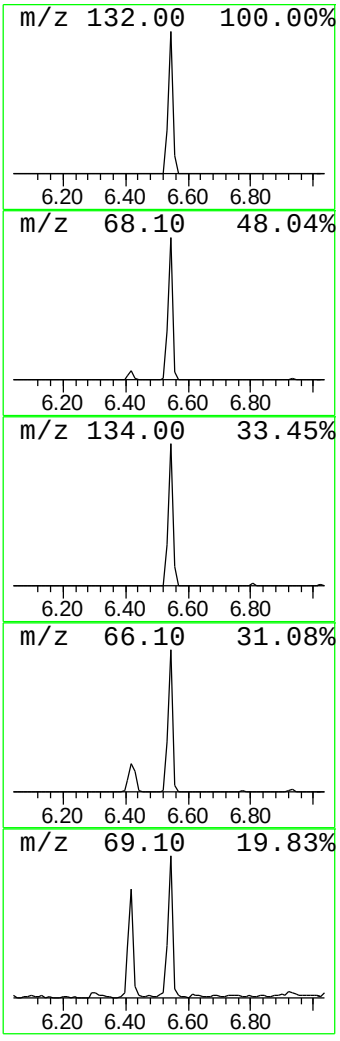
****

Peak Number 2 unknown6.54 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	99.27 ng	5282330	1,4-Dichlorobenzene-d4	6.77

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	16
3	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091684.D
Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

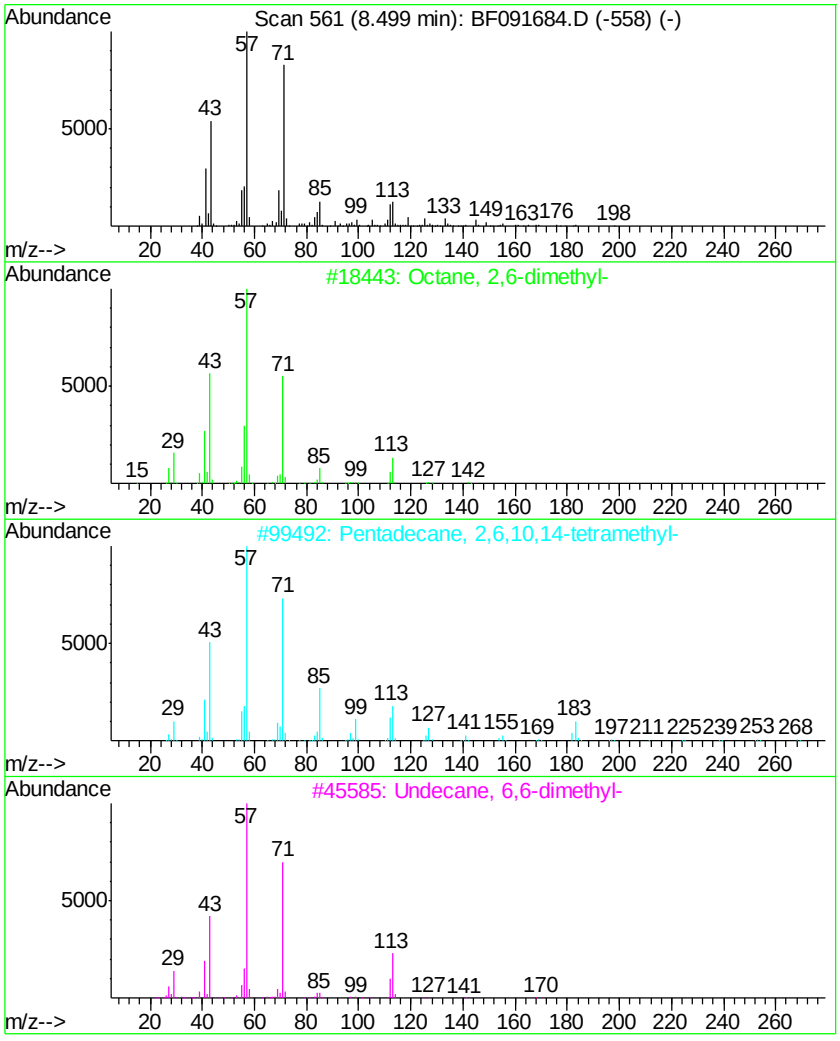
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

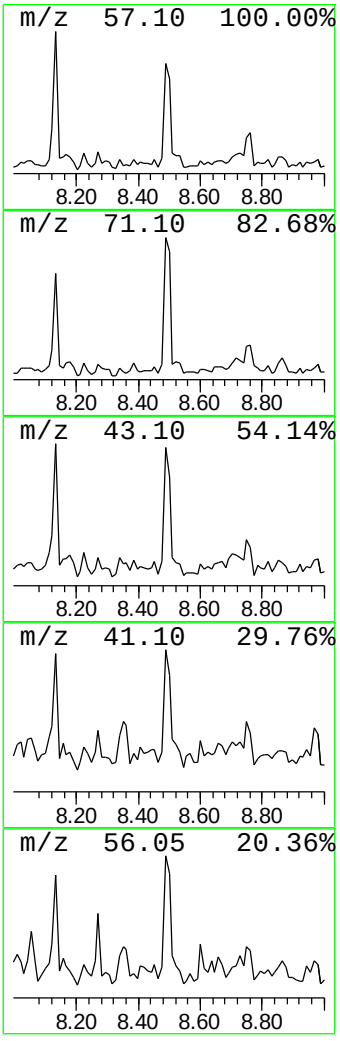
****

Peak Number 4 Octane, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	9.94 ng	1062970	Naphthalene-d8	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72
3	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64
4	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59
5	Decane, 4-methyl-	156	C11H24	002847-72-5	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091684.D
Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

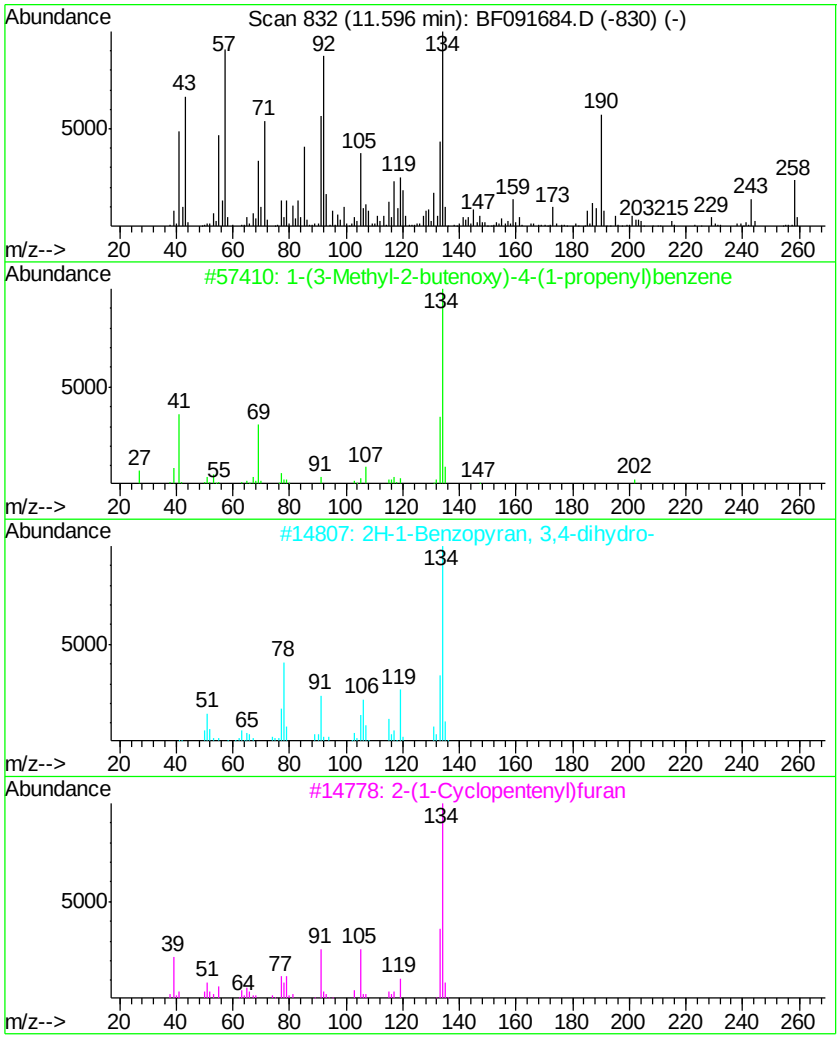
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

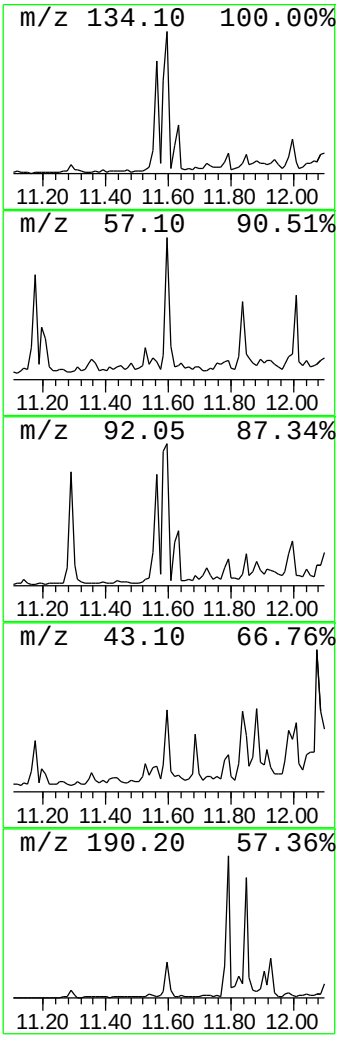
****

Peak Number 5 unknown11.60 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	8.23 ng	1144240	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(3-Methyl-2-butenoxy)-4-(1-pro...	202	C14H18O	078259-41-3	35
2	2H-1-Benzopyran, 3,4-dihydro-	134	C9H10O	000493-08-3	30
3	2-(1-Cyclopentenyl)furan	134	C9H10O	115754-78-4	25
4	Benzofuran, 2,3-dihydro-2-methyl-	134	C9H10O	001746-11-8	22
5	5-Methylene-4,5,6,6a-tetrahydro-...	134	C9H10O	1000193-02-7	20





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091684.D
Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

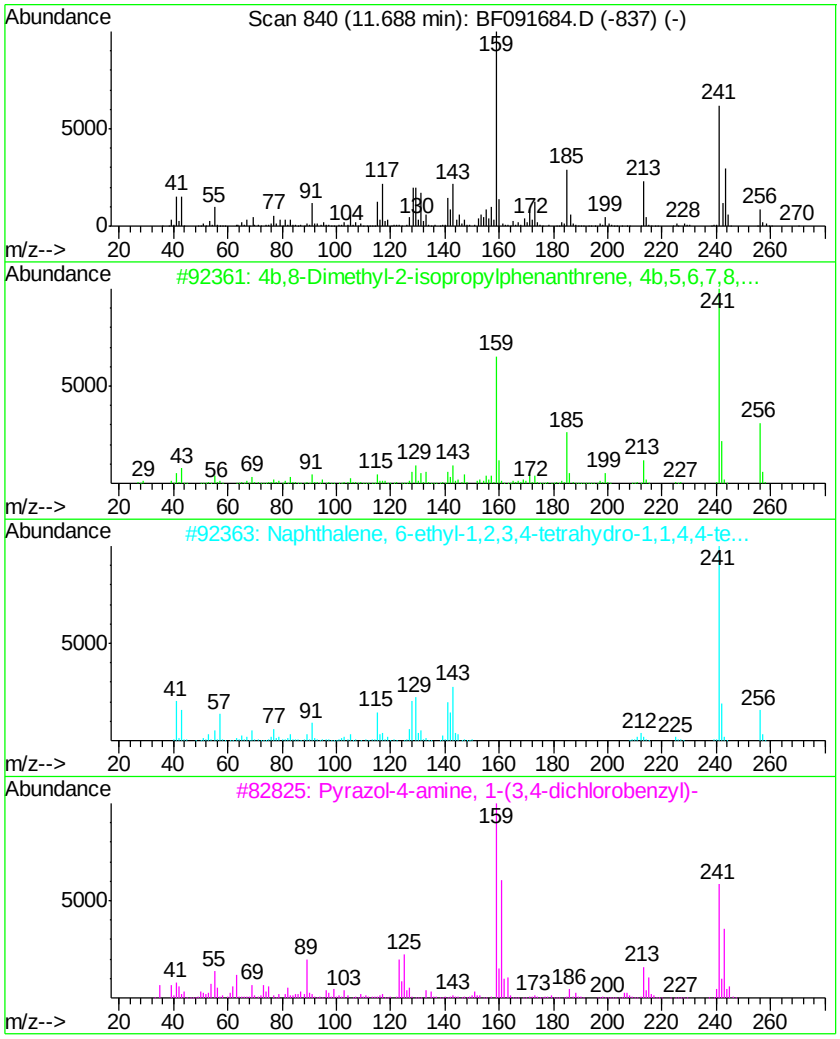
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

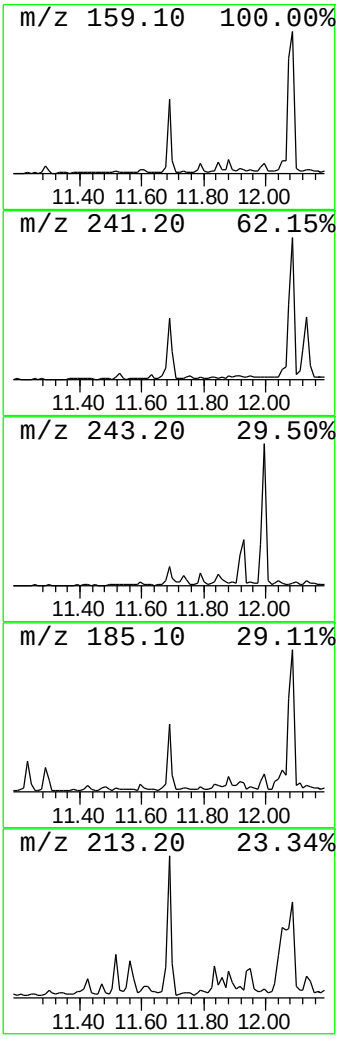
****

Peak Number 6 4b,8-Dimethyl-2-isopropylph... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	12.81 ng	1780170	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	78
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	64
3	Pyrazol-4-amine, 1-(3,4-dichloro...	241	C10H9Cl2N3	1000273-77-4	55
4	Pyrazol-4-amine, 1-(2,4-dichloro...	241	C10H9Cl2N3	1000272-85-5	43
5	Isoquinoline, 1-methyl-, 2-oxide	159	C10H9NO	003222-65-9	27





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Data File : BF091684.D
Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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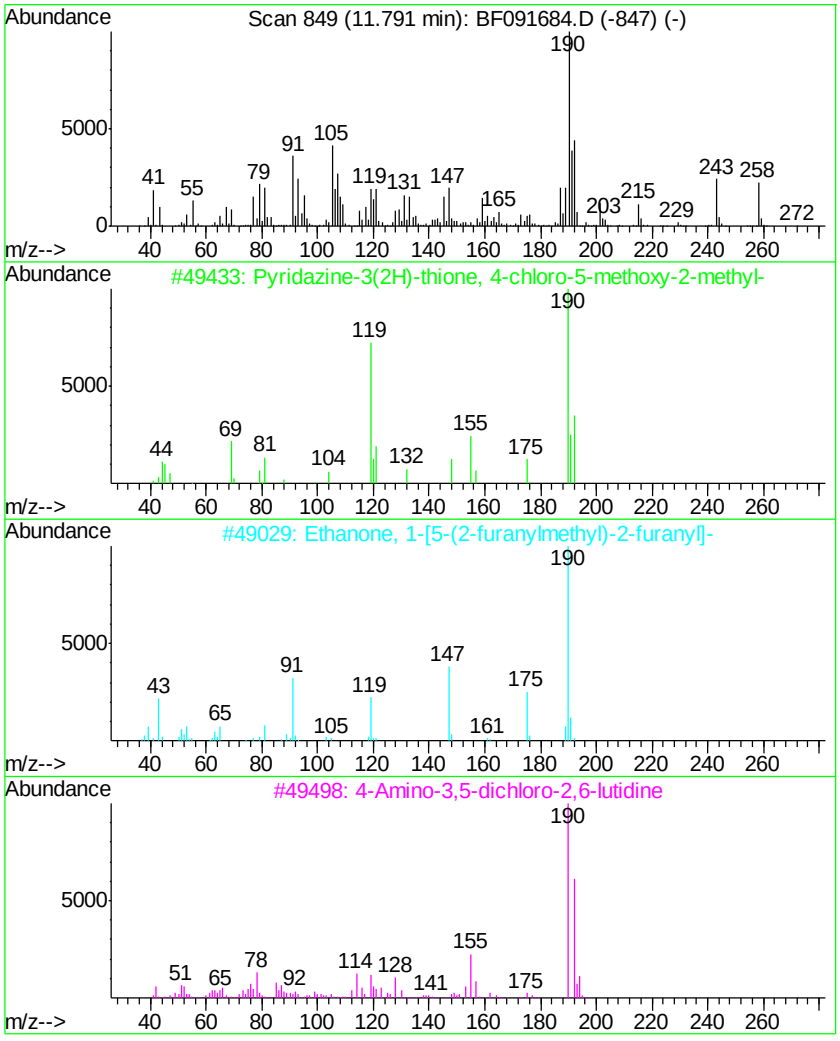
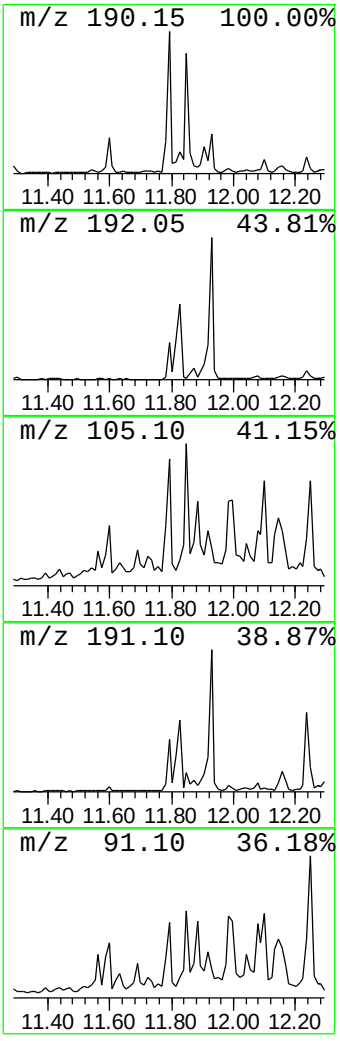
Peak Number 7 unknown11.79 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	12.92 ng	1795120	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridazine-3(2H)-thione, 4-chlor...	190	C6H7ClN2OS	072038-53-0	32
2	Ethanone, 1-[5-(2-furanylmethyl)...	190	C11H10O3	052805-84-2	30
3	4-Amino-3,5-dichloro-2,6-lutidine	190	C7H8Cl2N2	050978-40-0	27
4	1,2-Naphthoquinone, 4,7-dimethoxy-	218	C12H10O4	032358-81-9	25
5	D-Alanine, N-pentafluoropropiony...	277	C9H12F5NO3	1000139-20-2	25





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Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

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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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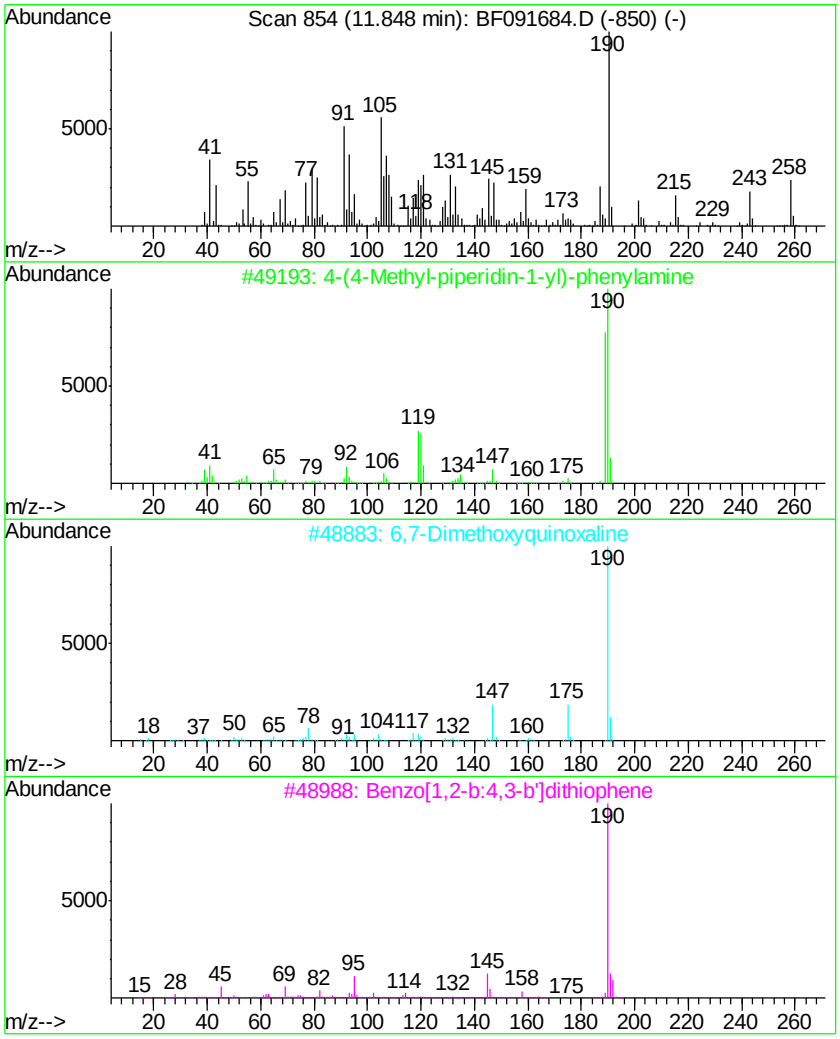
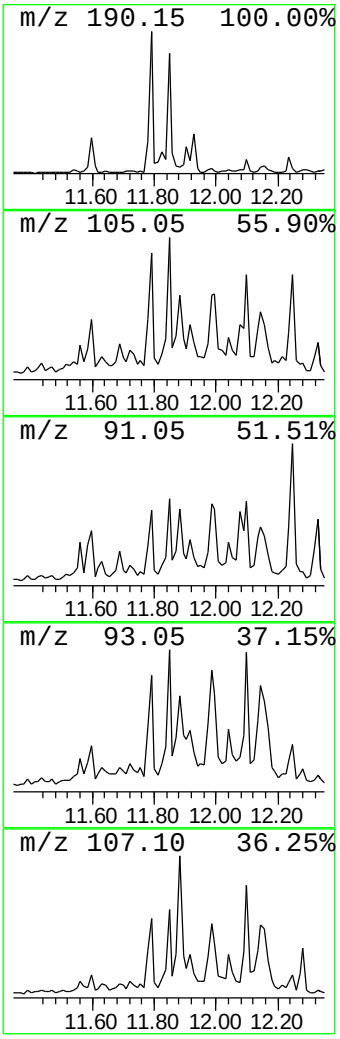
Peak Number 8 unknown11.85 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	21.04 ng	2923220	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methyl-piperidin-1-yl)-phen...	190	C12H18N2	342013-25-6	38
2	6,7-Dimethoxyquinoxaline	190	C10H10N2O2	006295-29-0	30
3	Benzo[1,2-b:4,3-b']dithiophene	190	C10H6S2	000210-80-0	27
4	4-Methyl-5-phenyl-2-thiazolamine	190	C10H10N2S	028241-62-5	25
5	2,3-Quinoxalinedione, 1,4-dihydr...	190	C10H10N2O2	002474-50-2	25





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Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

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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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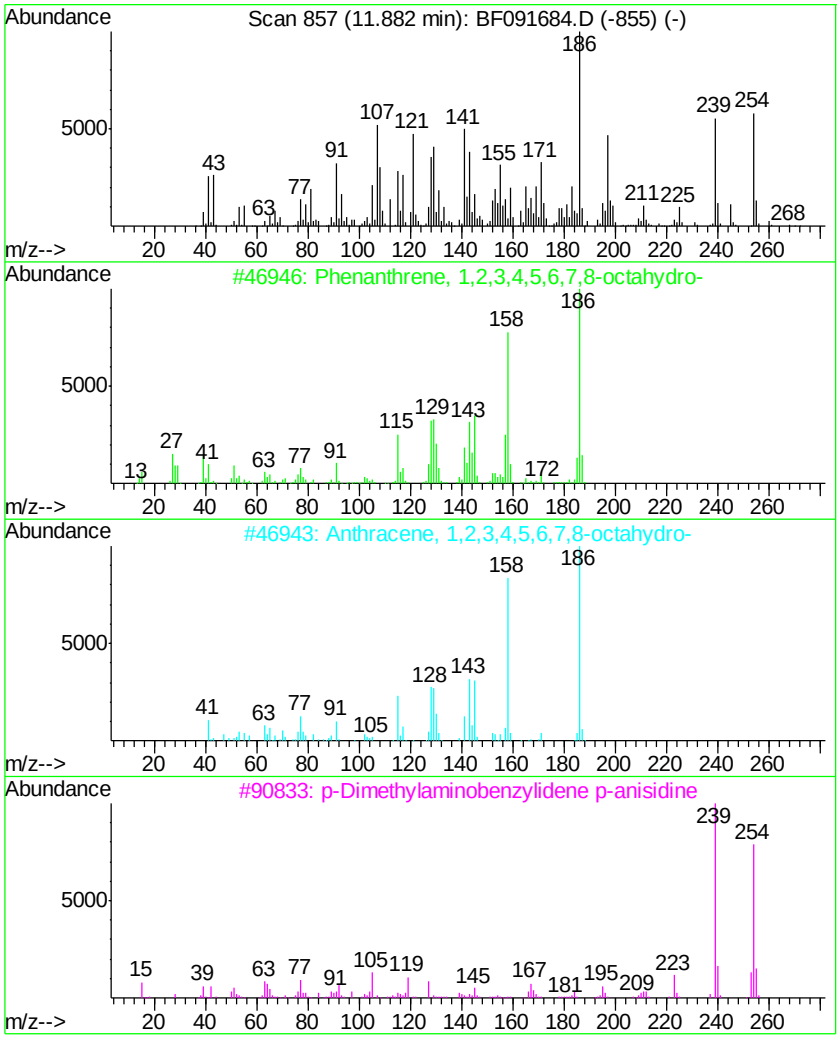
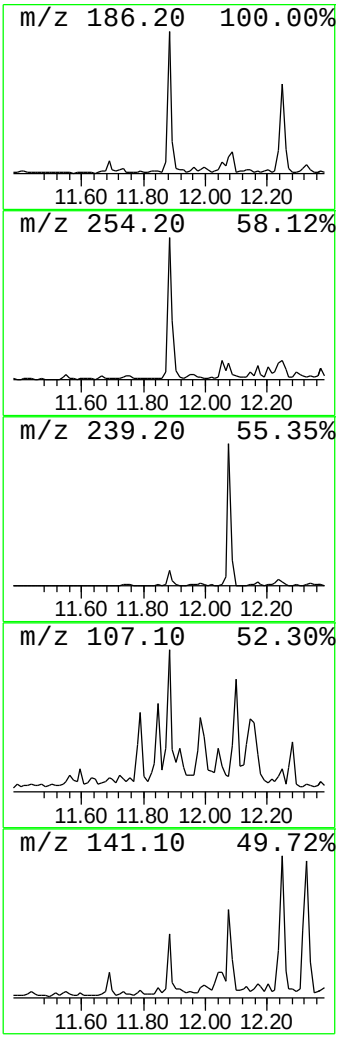
Peak Number 9 unknown11.88 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	25.75 ng	3578090	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,2,3,4,5,6,7,8-oc...	186	C14H18	005325-97-3	38
2	Anthracene, 1,2,3,4,5,6,7,8-octa...	186	C14H18	001079-71-6	27
3	p-Dimethylaminobenzylidene p-ani...	254	C16H18N2O	001749-04-8	15
4	Hydrazine, [4-(methylsulfonyl)ph...	186	C7H10N2O2S	000877-66-7	14
5	5-Thiazolecarboxylic acid, 2-ami...	186	C7H10N2O2S	007210-76-6	14





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Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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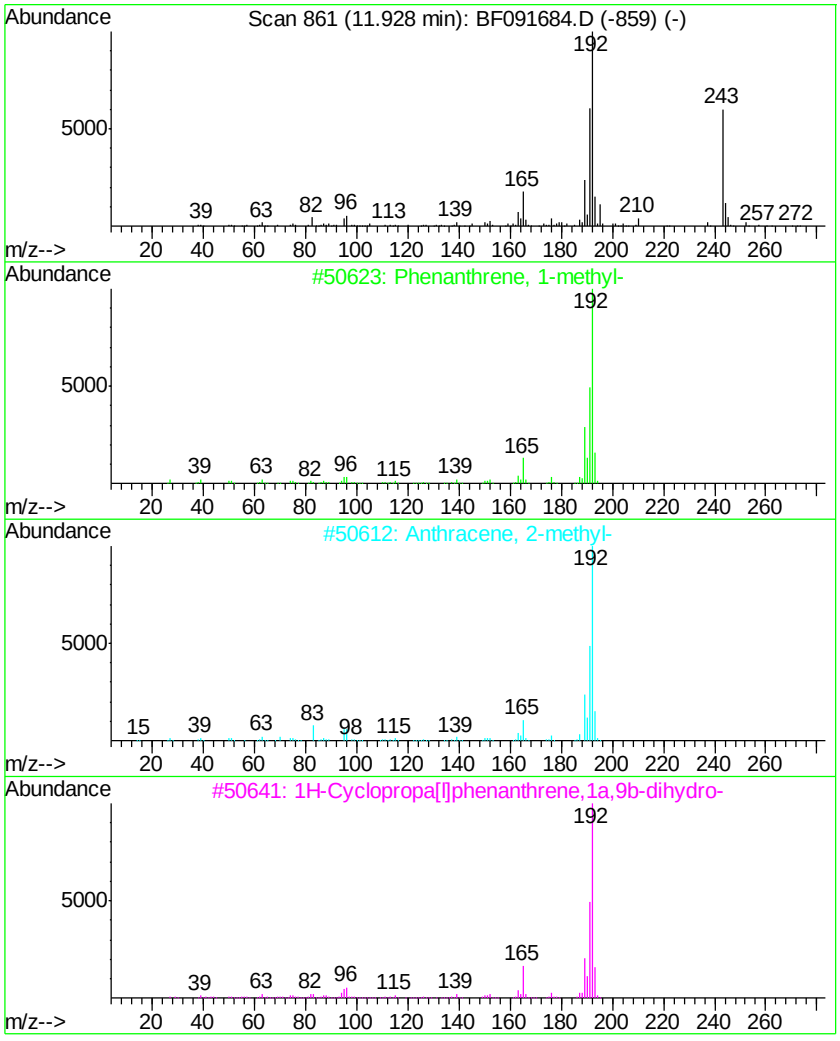
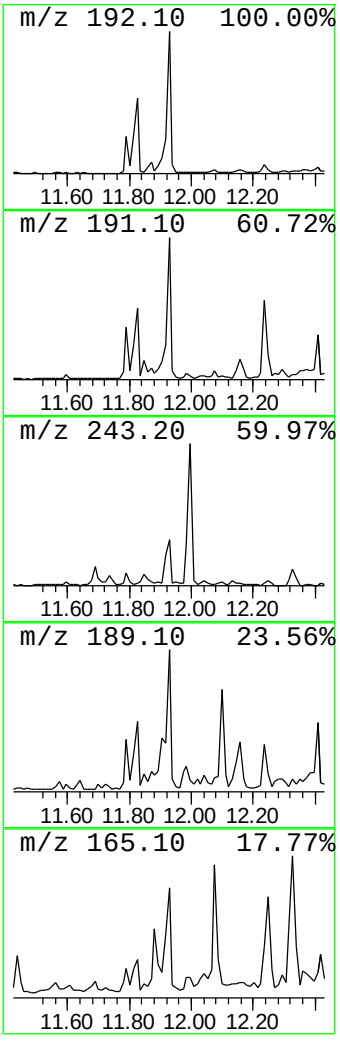
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	16.12 ng	2239900	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	78
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	78
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	64





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Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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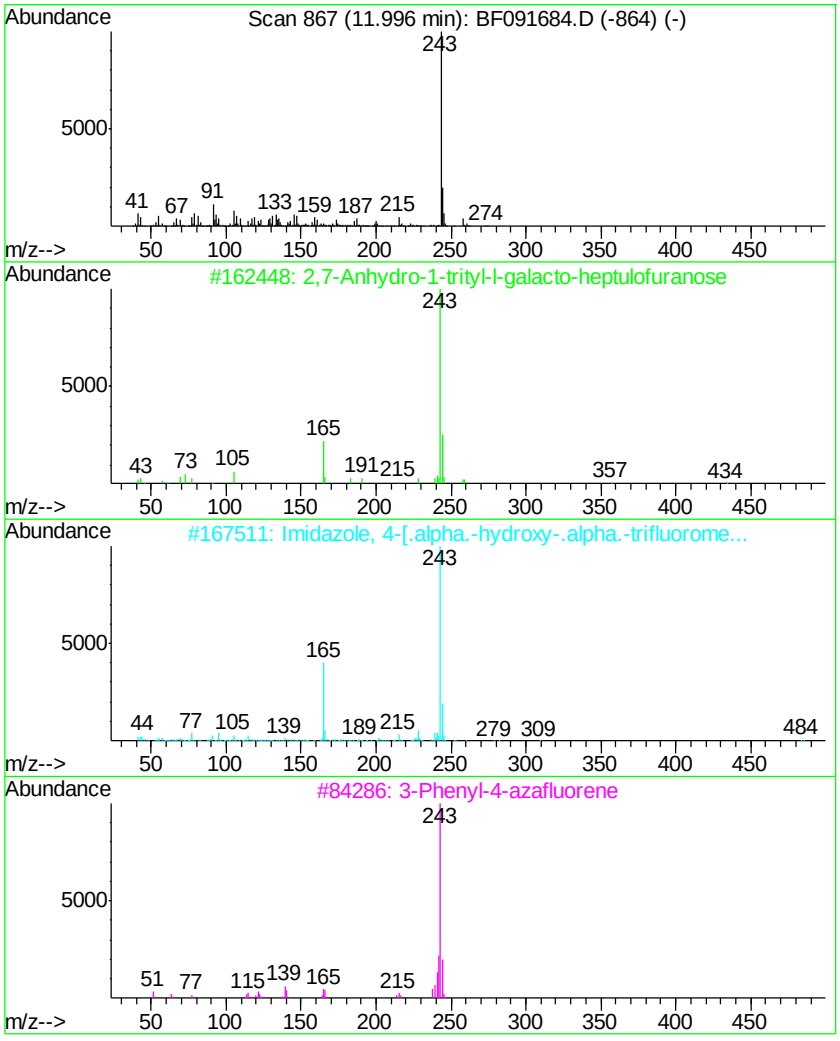
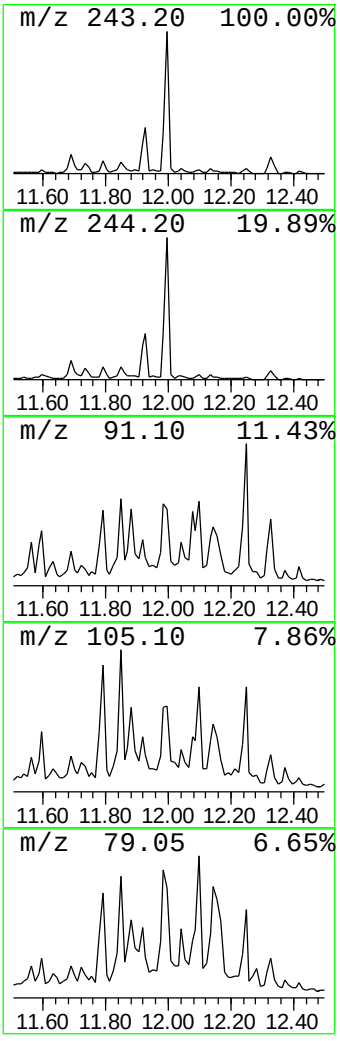
Peak Number 11 2,7-Anhydro-1-trityl-l-gala... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	28.19 ng	3917550	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-Anhydro-1-trityl-l-galacto-h...	434	C26H26O6	1000126-10-4	64
2	Imidazole, 4-[.alpha.-hydroxy-.a...	484	C30H23F3N2O	161530-05-8	64
3	3-Phenyl-4-azafluorene	243	C18H13N	033777-97-8	59
4	1-Pentanol, 5,5,5-triphenyl-	316	C23H24O	002294-95-3	59
5	1-Cyclohexyldimethylsilyloxydode...	326	C20H42OSi	1000281-96-3	56





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Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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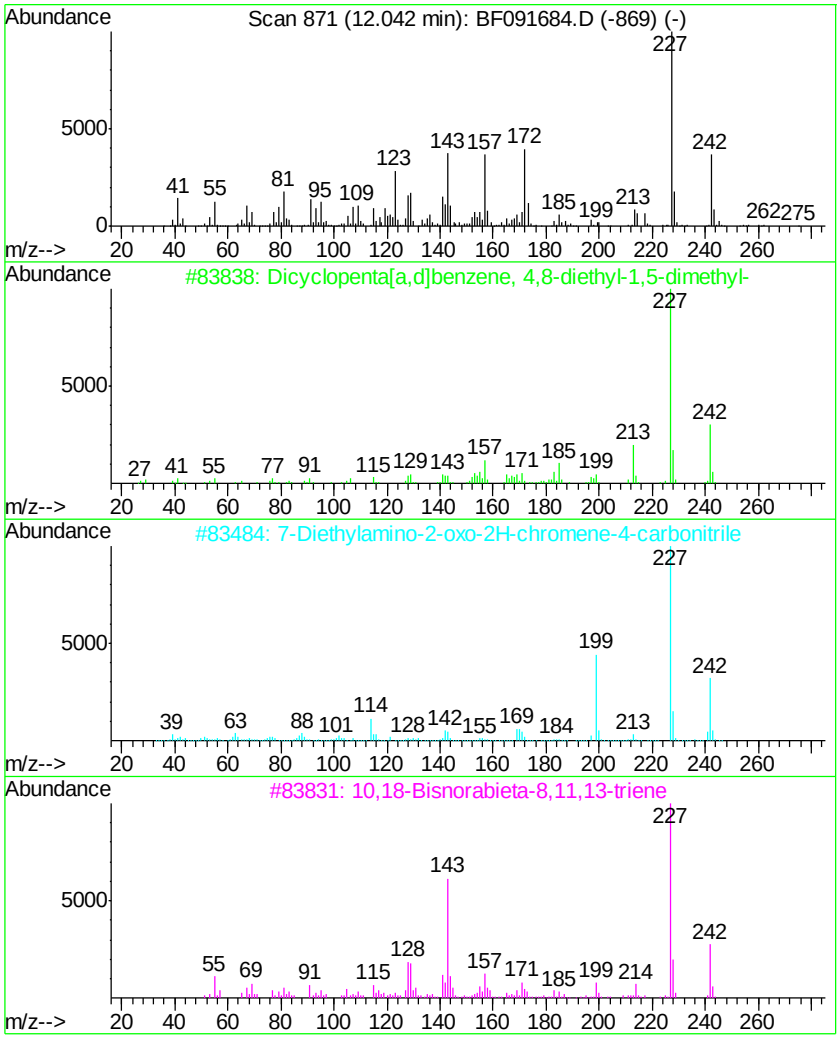
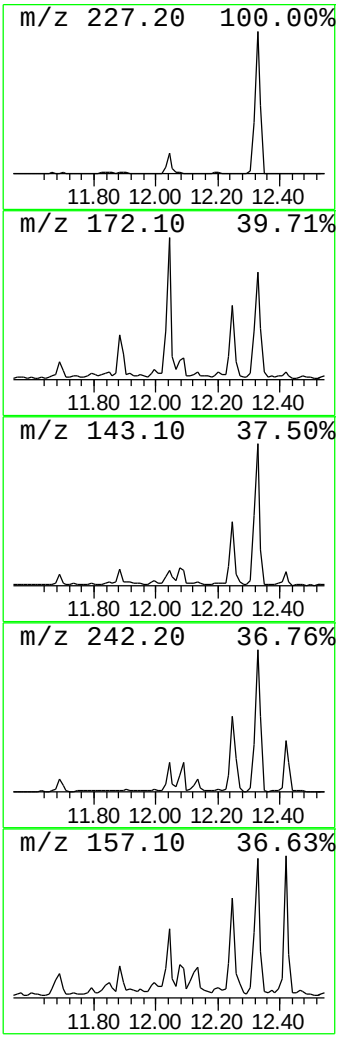
Peak Number 12 unknown12.04 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	20.36 ng	2828730	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	46
2	7-Diethylamino-2-oxo-2H-chromene...	242	C14H14N2O2	332411-59-3	43
3	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	40
4	3-(6-Oxo-1-cyclohexen-1-yl)-2-in...	227	C14H13NO2	076325-86-5	38
5	2-(4'-Hydroxyphenyl)-2-(4'-metho...	242	C16H18O2	016530-58-8	38





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Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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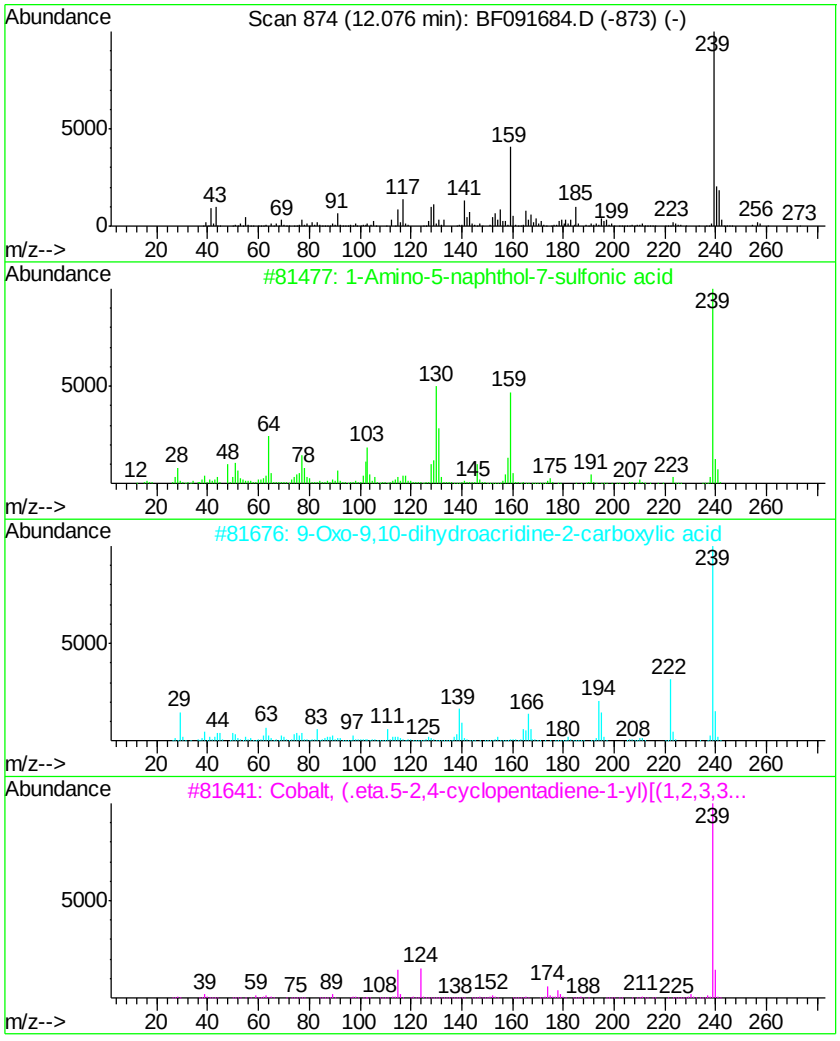
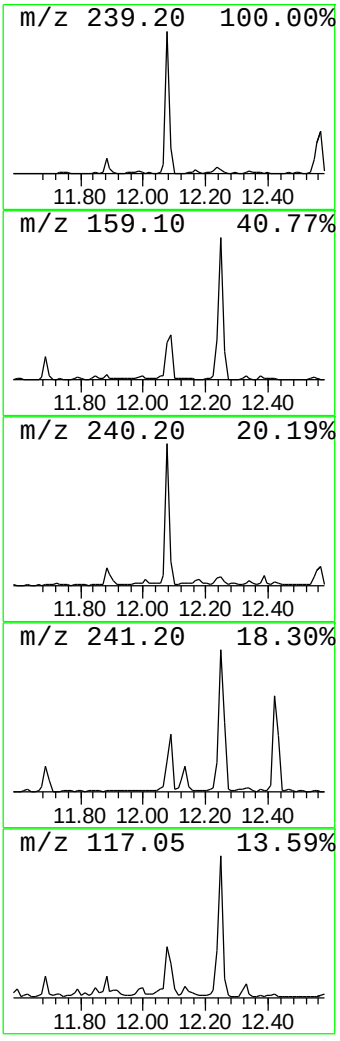
Peak Number 13 unknown12.08 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	45.23 ng	6284820	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Amino-5-naphthol-7-sulfonic acid	239	C10H9NO4S	000489-78-1	38
2	9-Oxo-9,10-dihydroacridine-2-car...	239	C14H9NO3	042946-36-1	32
3	Cobalt, (.eta.5-2,4-cyclopentadi...	239	C14H12Co	088242-61-9	32
4	5-Nitro-3-phenyl-1H-indazole	239	C13H9N3O2	293758-67-5	32
5	2-Phenoxathiinacetonitrile	239	C14H9NOS	1000255-56-5	32





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Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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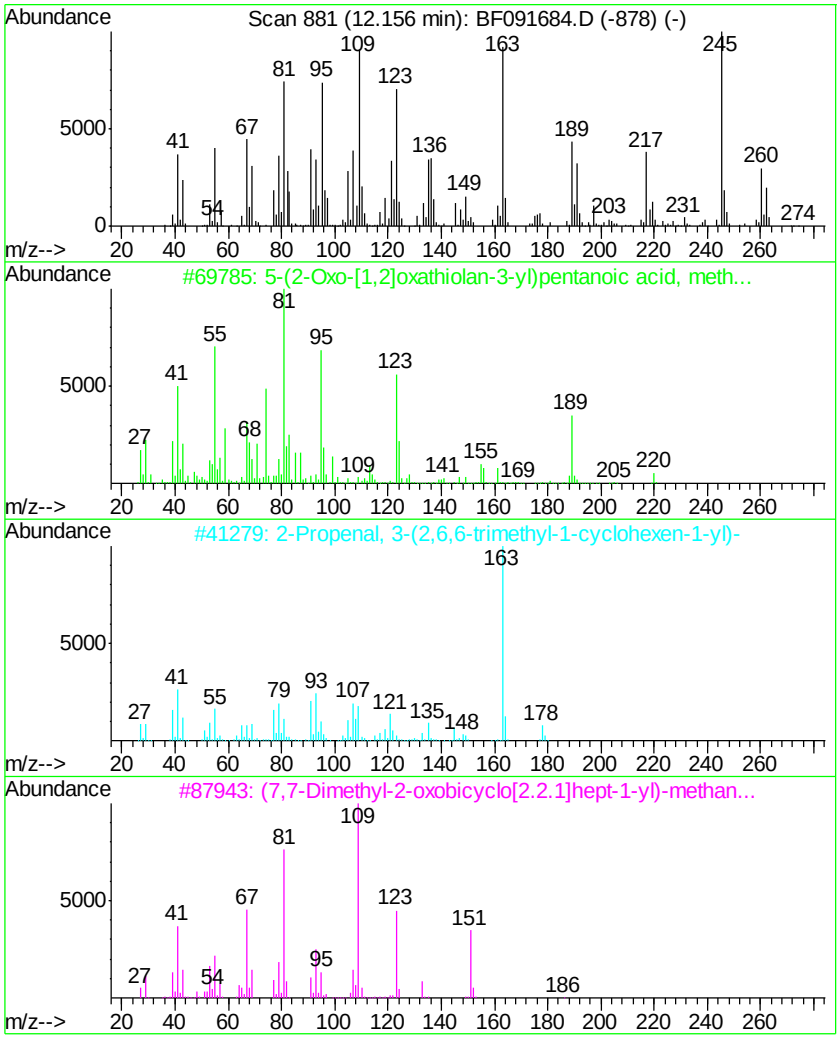
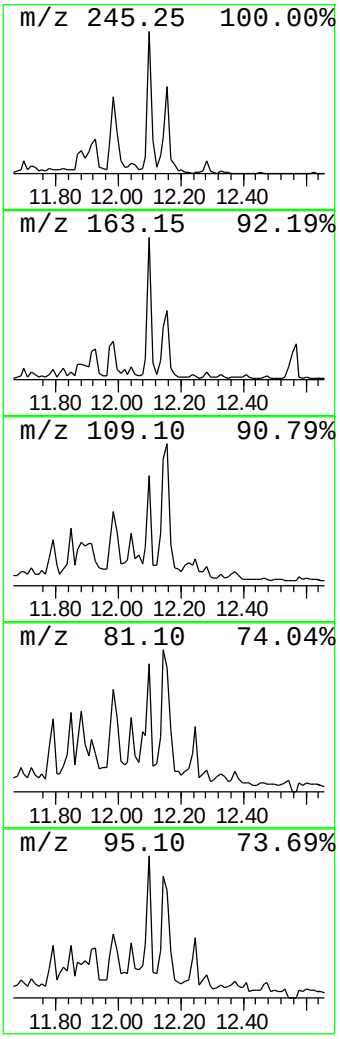
Peak Number 14 unknown12.16 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	26.68 ng	3706860	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-(2-Oxo-[1,2]oxathiolan-3-yl)pe...	220	C9H16O4S	1000186-41-5	30
2	2-Propenal, 3-(2,6,6-trimethyl-1...	178	C12H18O	004951-40-0	25
3	(7,7-Dimethyl-2-oxobicyclo[2.2.1...	250	C10H15ClO3S	1000194-76-1	12
4	Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	12
5	7-Heptadecyne, 17-chloro-	270	C17H31Cl	056554-75-7	12





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Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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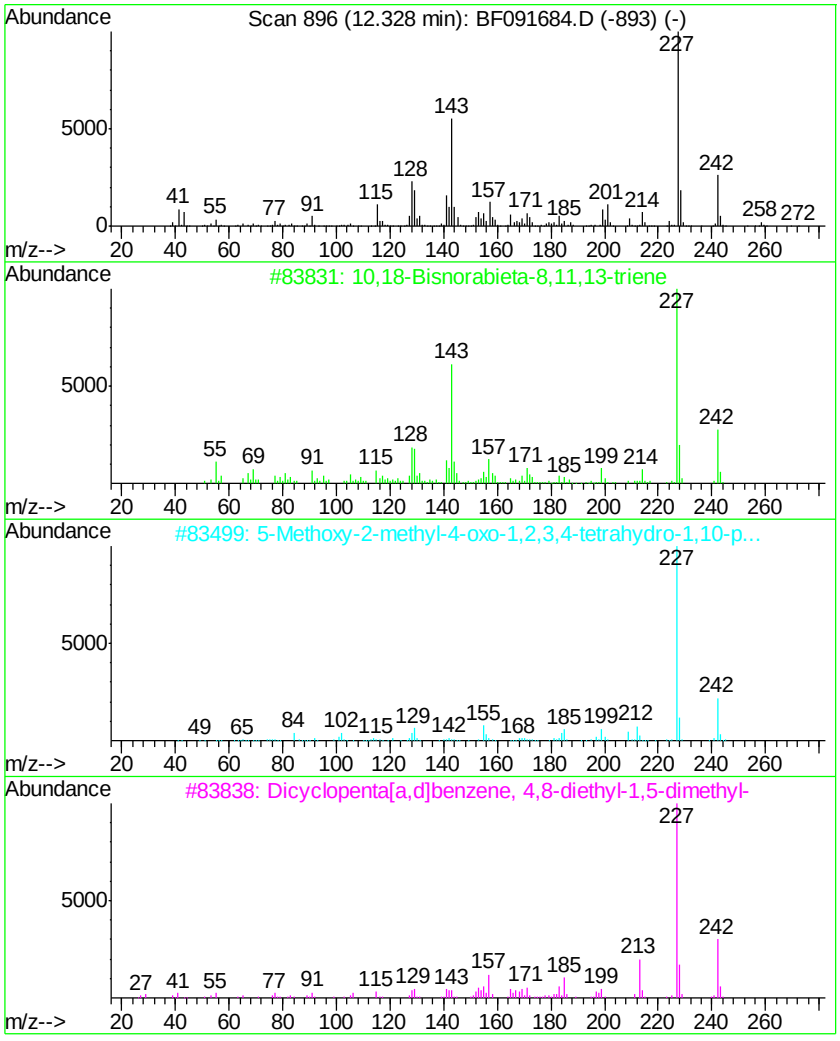
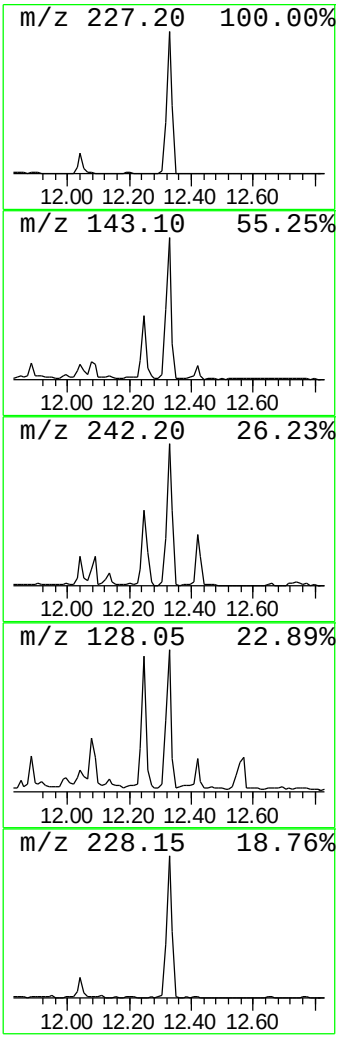
Peak Number 16 10,18-Bisnorabieta-8,11,13-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	46.84 ng	6508630	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	93
2	5-Methoxy-2-methyl-4-oxo-1,2,3,4...	242	C14H14N2O2	1000227-06-0	55
3	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	49
4	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	000084-79-7	49
5	5H-Indeno[2,1-E]1,2,4triazin-5-o...	227	C10H9N7	1000271-75-1	46





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ClientSampleId : SB-46(22-24)-12-14-16

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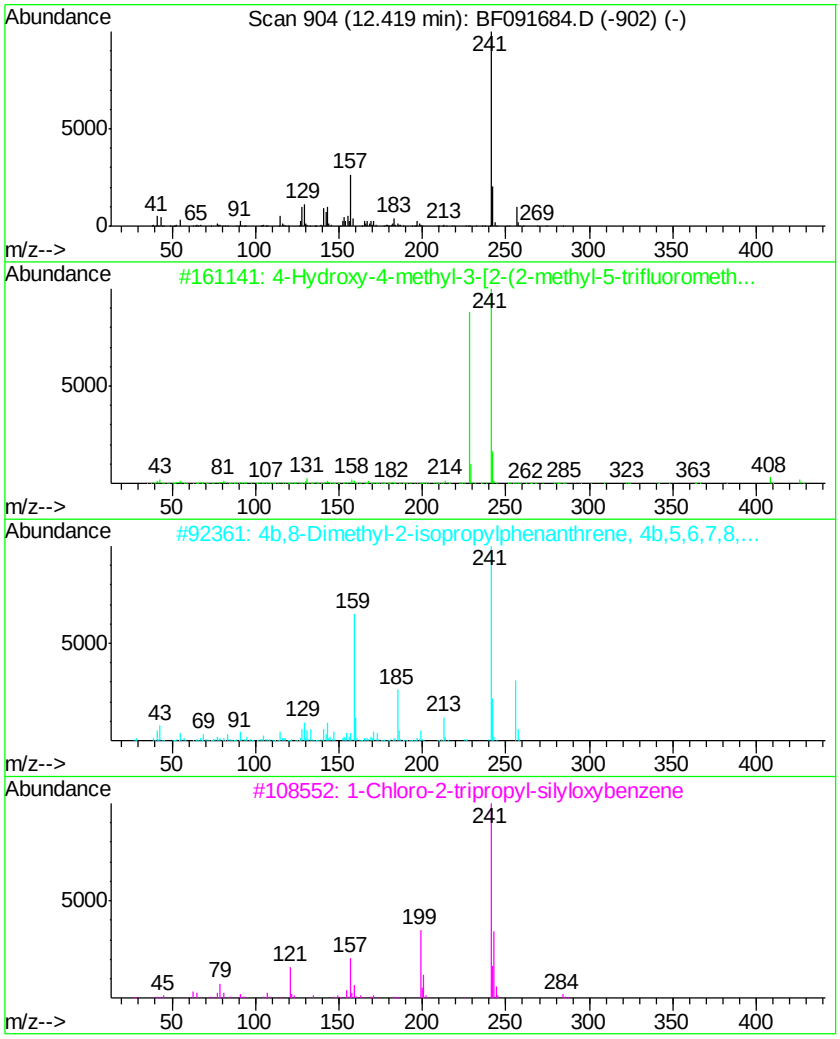
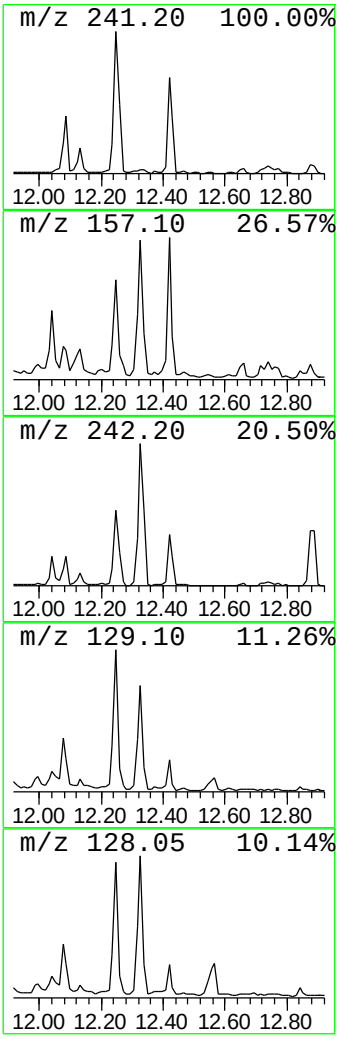
Peak Number 17 unknown12.42 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	13.83 ng	1922280	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydroxy-4-methyl-3-[2-(2-methy...	426	C21H25F3N2O4	1000295-16-9	43
2	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	42
3	1-Chloro-2-tripropyl-silyloxyben...	284	C15H25ClOSi	1000292-68-4	40
4	Phosphoric acid, bis(trimethylsi...	256	C7H21O4PSi2	018291-81-1	38
5	N-(p-Methoxybenzylidene)-p-anisi...	241	C15H15NO2	001749-08-2	38





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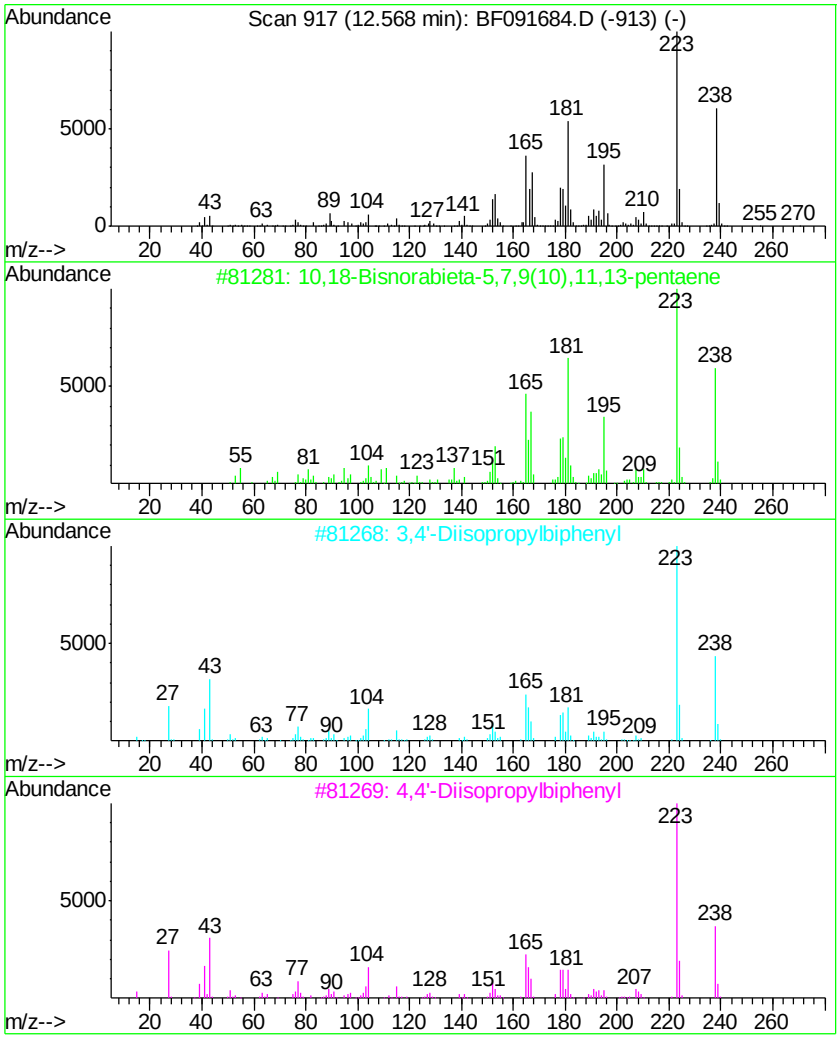
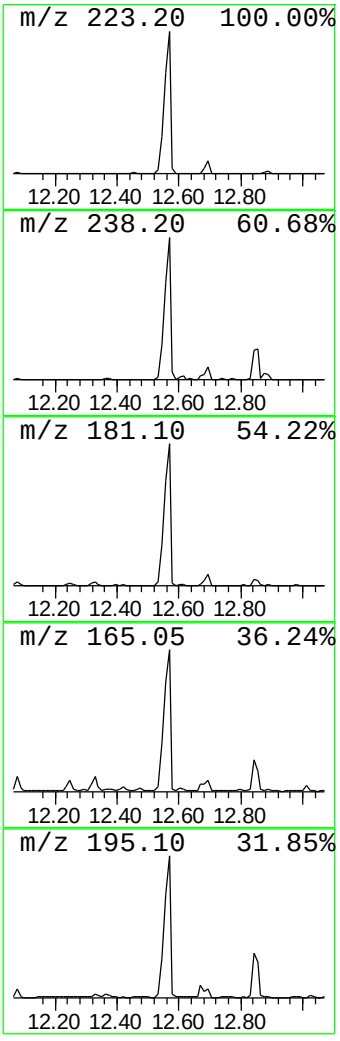
Peak Number 18 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	110.36 ng	15335300	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	81
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	64
4	12-Azabicyclo[9.2.2]pentadecan-1...	223	C14H25NO	1000191-26-7	60
5	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	49





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Data File : BF091684.D
Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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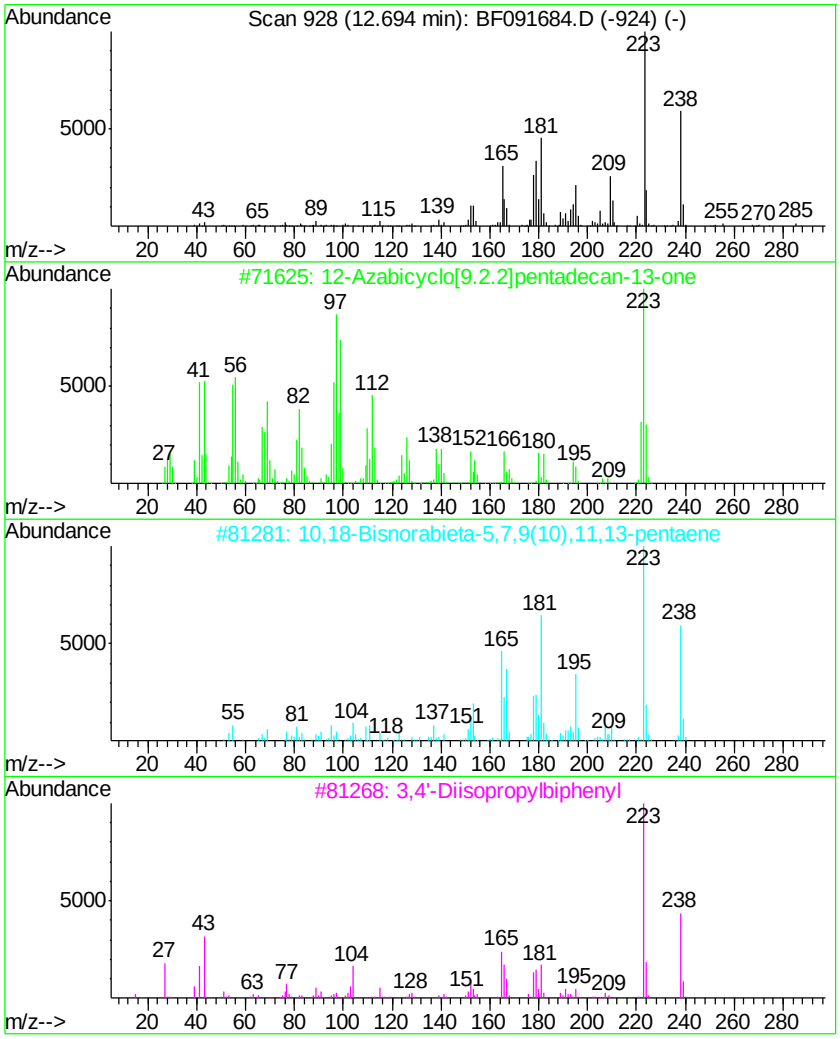
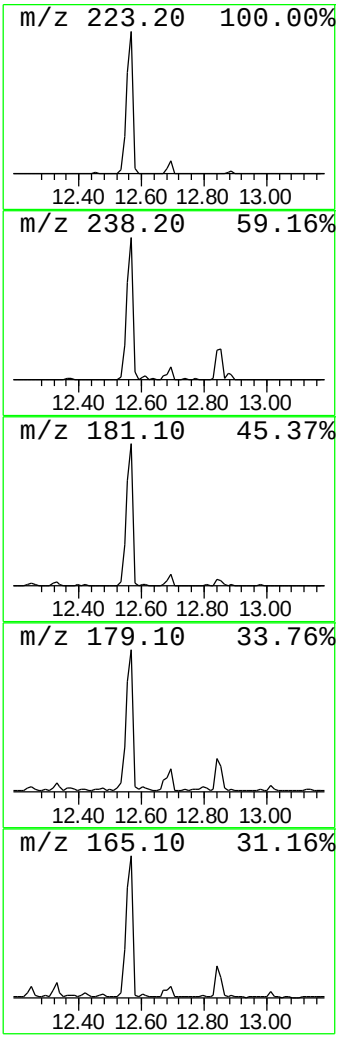
Peak Number 19 12-Azabicyclo[9.2.2]pentade... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	14.55 ng	1315710	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	12-Azabicyclo[9.2.2]pentadecan-1...	223	C14H25NO	1000191-26-7	74
2	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	64
3	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	60
4	Tricyclo[3.3.3.0(1,5)]undec-6-en...	223	C14H13N3	118894-71-6	46
5	3,3'-Diacetylbiphenyl	238	C16H14O2	094113-07-2	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091684.D
Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

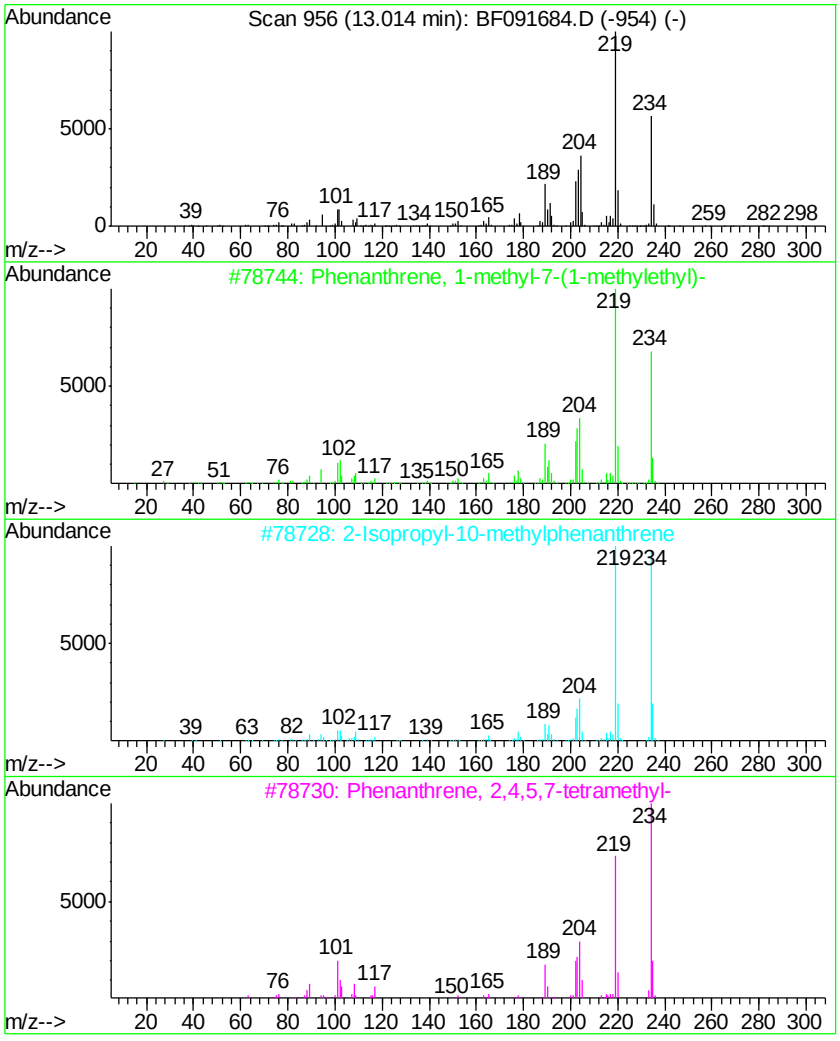
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

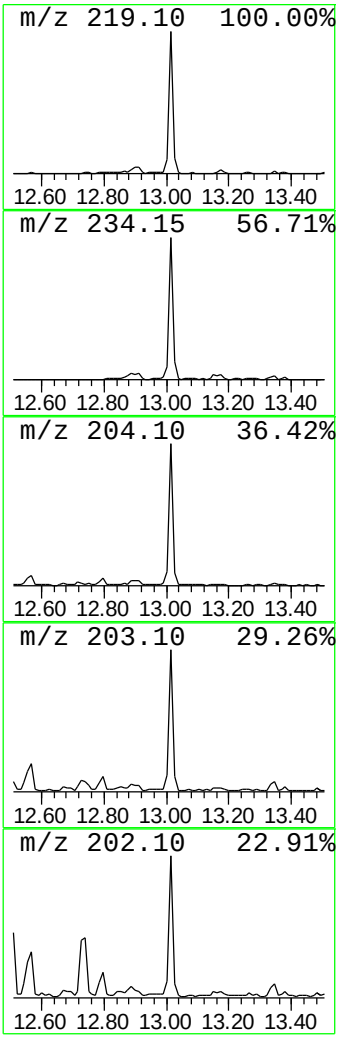
****

Peak Number 20 Phenanthrene, 1-methyl-7-(1... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	21.17 ng	1914770	Chrysene-d12	13.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	64
4	2,5-Diphenyl-2,4-hexadiene	234	C18H18	016819-47-9	64
5	Anthracene, 2-(1,1-dimethylethyl)-	234	C18H18	018801-00-8	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091684.D
Acq On : 16 Dec 2016 20:32
Operator : UM/SJ
Sample : H6125-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-46(22-24)-12-14-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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...	4.94	46.8	ng	2488530	1	6.77	1064240	20.0
unknown6.54	6.54	99.3	ng	5282330	1	6.77	1064240	20.0
Octane, 2,6-dimet...	8.50	9.9	ng	1062970	2	8.05	2139180	20.0
unknown11.60	11.60	8.2	ng	1144240	4	11.29	2779120	20.0
4b,8-Dimethyl-2-i...	11.69	12.8	ng	1780170	4	11.29	2779120	20.0
unknown11.79	11.79	12.9	ng	1795120	4	11.29	2779120	20.0
unknown11.85	11.85	21.0	ng	2923220	4	11.29	2779120	20.0
unknown11.88	11.88	25.8	ng	3578090	4	11.29	2779120	20.0
Phenanthrene, 1-m...	11.93	16.1	ng	2239900	4	11.29	2779120	20.0
2,7-Anhydro-1-tri...	12.00	28.2	ng	3917550	4	11.29	2779120	20.0
unknown12.04	12.04	20.4	ng	2828730	4	11.29	2779120	20.0
unknown12.08	12.08	45.2	ng	6284820	4	11.29	2779120	20.0
unknown12.16	12.16	26.7	ng	3706860	4	11.29	2779120	20.0
10,18-Bisnorabiet...	12.33	46.8	ng	6508630	4	11.29	2779120	20.0
unknown12.42	12.42	13.8	ng	1922280	4	11.29	2779120	20.0
10,18-Bisnorabiet...	12.57	110.4	ng	15335300	4	11.29	2779120	20.0
12-Azabicyclo[9.2...	12.69	14.6	ng	1315710	5	13.92	1808690	20.0
Phenanthrene, 1-m...	13.01	21.2	ng	1914770	5	13.92	1808690	20.0