LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091693.D
Acq On : 17 Dec 2016 00:40
Operator : UM/SJ
Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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	2.647	41	49	52	rVB	170231	471757	1.77%	0.081%
2	3.458	114	120	126	rVB	104000	296780	1.12%	0.051%
3	3.790	145	149	152	rBV	149268	277723	1.04%	0.048%
4	3.938	157	162	165	rBV2	525743	1045369	3.93%	0.179%
5	3.996	165	167	172	rVB	267832	399759	1.50%	0.068%
6	4.110	172	177	179	rBV2	200604	388428	1.46%	0.066%
7	4.167	179	182	186	rVV	213662	429240	1.61%	0.073%
8	4.247	186	189	192	rVV	222736	306348	1.15%	0.052%
9	4.316	192	195	201	rVB2	585193	1028693	3.87%	0.176%
10	4.430	201	205	208	rBV	372696	540492	2.03%	0.092%
11	4.613	218	221	223	rBV2	195467	334959	1.26%	0.057%
12	4.658	223	225	227	rBV	398588	502703	1.89%	0.086%
13	4.773	231	235	238	rBV	1163835	2016647	7.58%	0.345%
14	4.876	238	244	247	rBV2	2286366	4319205	16.24%	0.739%
15	4.933	247	249	252	rBV	3163146	4440984	16.69%	0.760%
16	5.070	258	261	265	rVB	453234	782595	2.94%	0.134%
17	5.150	265	268	270	rBV	2859451	3867481	14.54%	0.662%
18	5.196	270	272	278	rVB2	728074	1482792	5.57%	0.254%
19	5.321	281	283	285	rBV2	527601	755821	2.84%	0.129%
20	5.379	285	288	290	rVB	2290607	2720235	10.23%	0.465%
21	5.436	291	293	297	rBV3	786865	1583455	5.95%	0.271%
22	5.527	299	301	303	rBV	2325224	3661124	13.76%	0.626%
23	5.573	303	305	307	rVB	2476063	2732245	10.27%	0.467%
24	5.619	307	309	313	rVB2	2407237	4114137	15.46%	0.704%
25	5.687	313	315	320	rVB	676034	915861	3.44%	0.157%
26	5.790	320	324	326	rBV2	3415685	6256660	23.52%	1.070%
27	5.847	326	329	333	rBV4	963426	2442187	9.18%	0.418%
28	5.939	333	337	339	rBV2	3790384	7022923	26.40%	1.201%
29	5.996	339	342	343	rBV	1222877	1887615	7.10%	0.323%
30	6.041	343	346	349	rBV2	7757117	16038040	60.29%	2.744%
31	6.099	349	351	353	rVB	2101773	2277311	8.56%	0.390%
32	6.236	360	363	368	rBV2	3909232	10579082	39.77%	1.810%
33	6.327	368	371	375	rBV2	4307110	12984004	48.81%	2.221%
34	6.430	375	380	381	rBV2	3090599	6129463	23.04%	1.049%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091693.D
Acq On : 17 Dec 2016 00:40
Operator : UM/SJ
Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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	6.464	381	383	384	rVB	1098095	1444508	5.43%	0.247%
36	6.556	387	391	395	rBV3	5275595	18345953	68.96%	3.139%
37	6.624	395	397	404	rVB2	4868212	12662586	47.60%	2.166%
38	6.761	404	409	410	rBV3	3569630	9470238	35.60%	1.620%
39	6.864	416	418	419	rBV2	1269349	2216882	8.33%	0.379%
40	6.967	423	427	432	rVB4	6644904	22823034	85.79%	3.905%
41	7.082	432	437	440	rBV3	3232714	10375140	39.00%	1.775%
42	7.207	445	448	453	rBV4	4055305	13579154	51.04%	2.323%
43	7.367	457	462	468	rBV6	5515474	24679559	92.77%	4.222%
44	7.756	491	496	501	rVB4	5239950	19874576	74.71%	3.400%
45	9.173	616	620	623	rVB2	5264943	12866234	48.36%	2.201%
46	9.607	656	658	661	rVB	4061634	7937553	29.84%	1.358%
47	9.973	688	690	692	rVB	3348351	4925888	18.52%	0.843%
48	10.110	700	702	705	rVB4	4272764	7859340	29.54%	1.345%
49	10.179	705	708	709	rVV2	2515529	3984472	14.98%	0.682%
50	10.259	713	715	718	rBV3	2876155	4600305	17.29%	0.787%
51	10.385	724	726	730	rBV4	2866162	7313085	27.49%	1.251%
52	10.499	733	736	738	rVV	6060692	8511069	31.99%	1.456%
53	10.533	738	739	742	rVB3	1444578	2182479	8.20%	0.373%
54	10.762	756	759	761	rBV2	7158658	11126576	41.82%	1.904%
55	10.888	769	770	771	rBV	1219183	1033927	3.89%	0.177%
56	10.956	774	776	778	rBV2	853398	1507627	5.67%	0.258%
57	11.093	784	788	790	rBV3	4838330	8452410	31.77%	1.446%
58	11.219	797	799	800	rBV2	1511587	1976154	7.43%	0.338%
59	11.276	800	804	806	rVB2	5955013	12246877	46.03%	2.095%
60	11.333	808	809	811	rBV2	1234203	1583890	5.95%	0.271%
61	11.413	814	816	817	rBV2	1449329	2147473	8.07%	0.367%
62	11.459	817	820	824	rVB6	3126649	7863429	29.56%	1.345%
63	11.539	824	827	828	rBV2	3192585	4922193	18.50%	0.842%
64	11.596	828	832	833	rBV3	4487016	8970705	33.72%	1.535%
65	11.619	833	834	836	rVB	4221983	5632154	21.17%	0.964%
66	11.665	836	838	840	rVB2	1903772	3196667	12.02%	0.547%
67	11.733	840	844	846	rBV2	5923564	14222288	53.46%	2.433%
68	11.825	849	852	854	rBV2	5328263	8131245	30.56%	1.391%
69	11.893	854	858	859	rBV	4401411	9617608	36.15%	1.645%
70	12.042	868	871	873	rBV2	3495414	7954187	29.90%	1.361%
71	12.156	873	881	883	rVV5	5945139	26603536	100.00%	4.551%

LSC Area Percent Report

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Data File : BF091693.D
Acq On : 17 Dec 2016 00:40
Operator : UM/SJ
Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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	12.202	883	885	890	rVB5	5167694	13202326	49.63%	2.259%
73	12.293	890	893	897	rVB4	5498663	12722330	47.82%	2.177%
74	12.385	897	901	903	rVB	7552928	20453952	76.88%	3.499%
75	12.419	903	904	906	rBV2	1410546	1619666	6.09%	0.277%
76	12.465	906	908	910	rVB	5846848	9448246	35.52%	1.616%
77	12.522	912	913	915	rVB2	2350154	1913901	7.19%	0.327%
78	12.591	915	919	922	rVB4	6149660	13749051	51.68%	2.352%
79	12.648	922	924	927	rBV2	3515400	7368311	27.70%	1.261%
80	12.705	927	929	932	rVB3	2736166	6331040	23.80%	1.083%
81	12.774	933	935	938	rVB4	1664540	2877493	10.82%	0.492%
82	12.831	938	940	941	rBV	809816	790540	2.97%	0.135%
83	12.899	941	946	954	rVB3	8800543	24654001	92.67%	4.218%
84	13.059	956	960	965	rVB2	7859991	15585188	58.58%	2.666%
85	13.151	966	968	969	rVB	681626	651440	2.45%	0.111%
86	13.185	969	971	972	rBV	1673227	1830885	6.88%	0.313%
87	13.311	978	982	983	rVB3	1348159	2366048	8.89%	0.405%
88	13.368	985	987	988	rVV	1579969	1608675	6.05%	0.275%
89	13.402	988	990	991	rVV	1305449	1432629	5.39%	0.245%
90	13.471	994	996	998	rVB3	651169	963953	3.62%	0.165%
91	13.539	1000	1002	1004	rBV2	770989	675733	2.54%	0.116%
92	13.722	1017	1018	1019	rVB	585509	401366	1.51%	0.069%
93	13.939	1033	1037	1038	rBV2	1132005	2372177	8.92%	0.406%
94	14.111	1051	1052	1058	rVB3	540779	1219193	4.58%	0.209%
95	15.334	1157	1159	1163	rVB	916339	1218798	4.58%	0.209%
96	17.368	1335	1337	1342	rBV5	83870	286444	1.08%	0.049%
97	17.745	1366	1370	1373	rBV6	91133	292607	1.10%	0.050%
98	18.020	1389	1394	1396	rBV6	80144	311401	1.17%	0.053%
99	19.300	1502	1506	1510	rBV7	62925	309108	1.16%	0.053%

Sum of corrected areas: 584529621

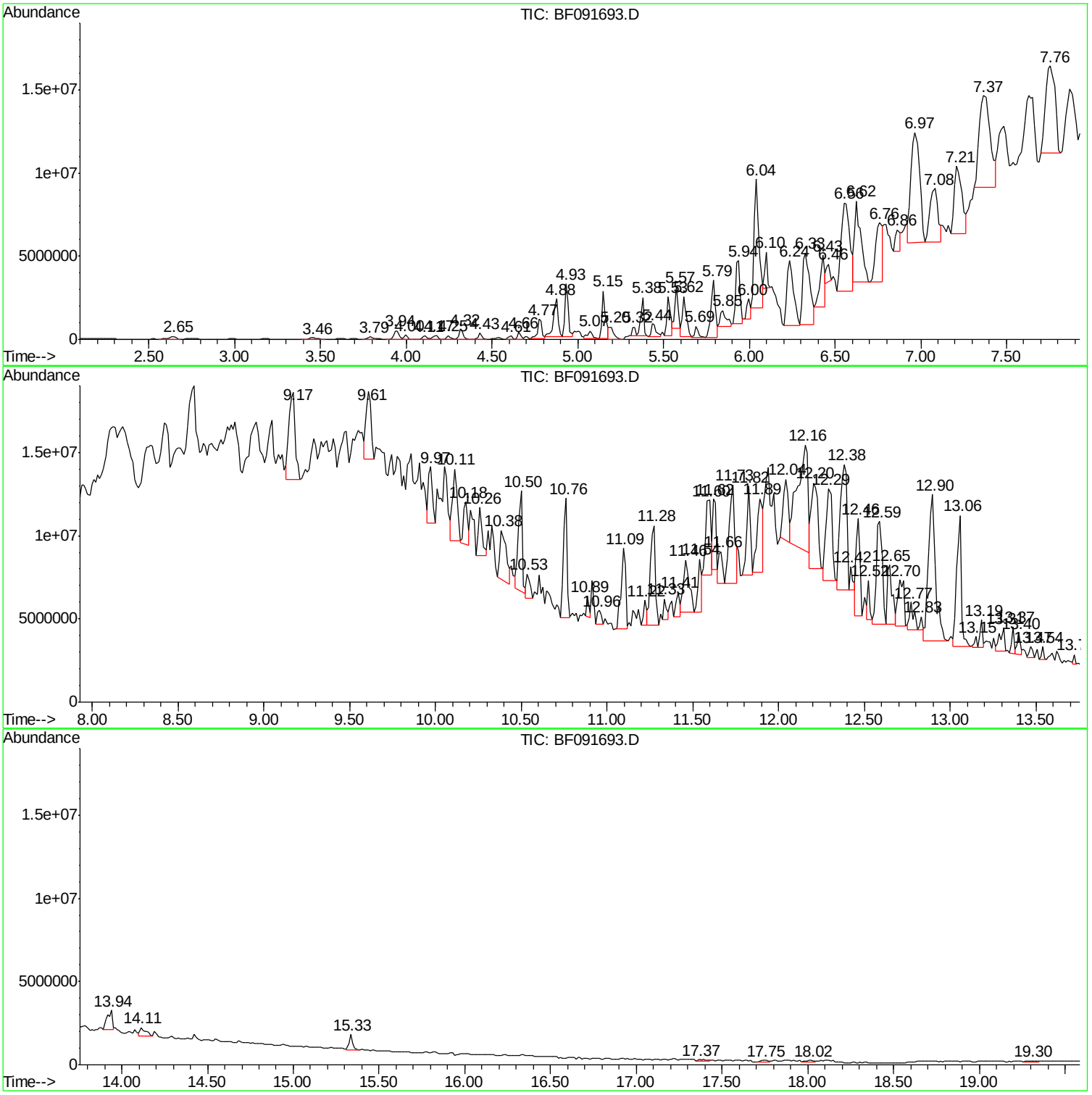
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091693.D
Acq On : 17 Dec 2016 00:40
Operator : UM/SJ
Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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 : BF091693.D
Acq On : 17 Dec 2016 00:40
Operator : UM/SJ
Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-12-14-16

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

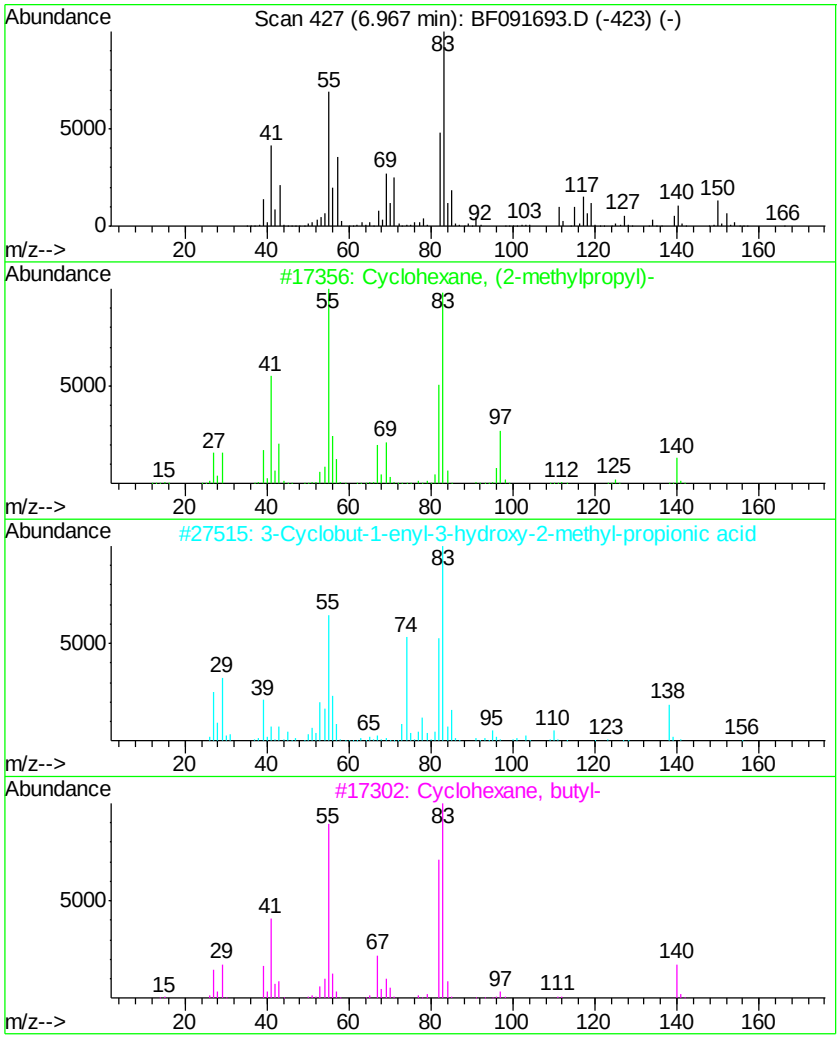
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

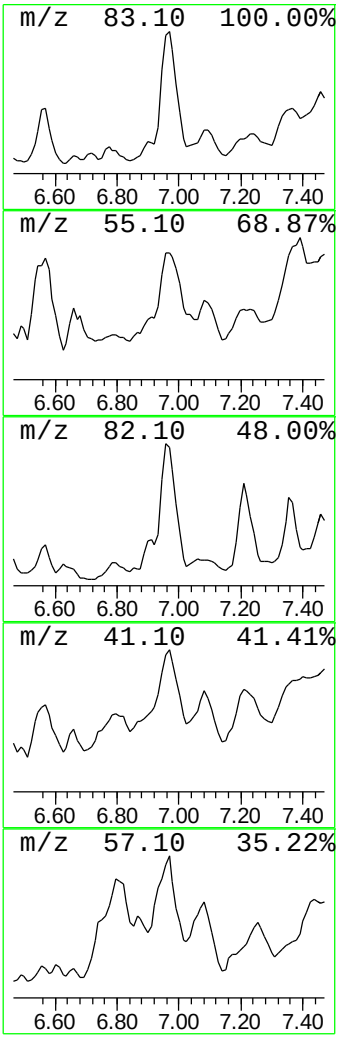
****

Peak Number 1 Cyclohexane, (2-methylpropyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.97	48.20 ng	22823000	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	52
2	3-Cyclobut-1-enyl-3-hydroxy-2-me...	156	C8H12O3	1000186-72-4	50
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	50
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	47
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091693.D
Acq On : 17 Dec 2016 00:40
Operator : UM/SJ
Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-12-14-16

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

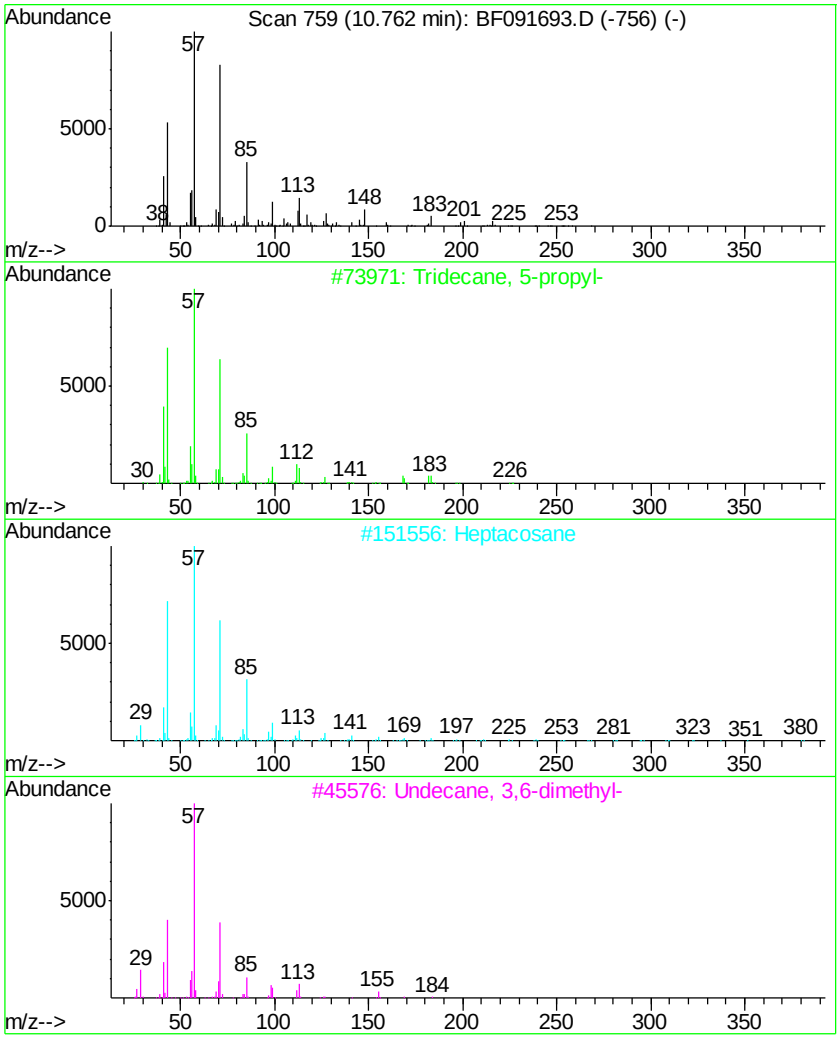
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

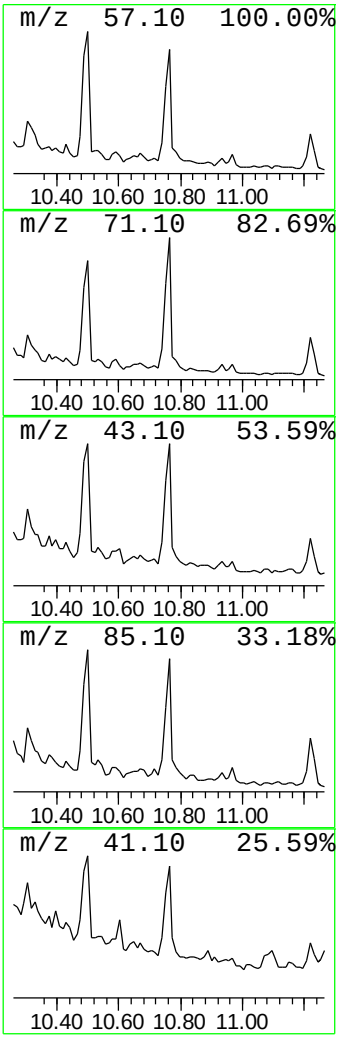
****

Peak Number 2 Tridecane, 5-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	140.50 ng	11126600	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	78
2	Heptacosane	380	C27H56	000593-49-7	72
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	72
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
5	5,5-Dibutylnonane	240	C17H36	006008-17-9	52





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091693.D
Acq On : 17 Dec 2016 00:40
Operator : UM/SJ
Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-12-14-16

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

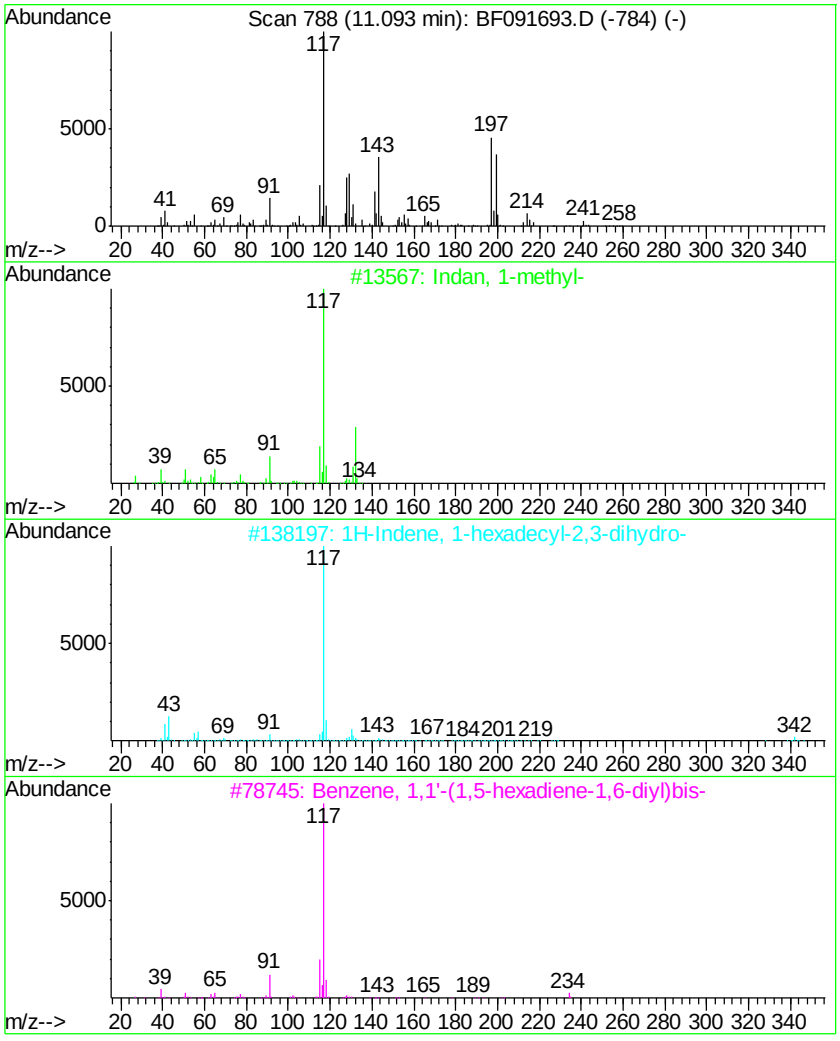
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

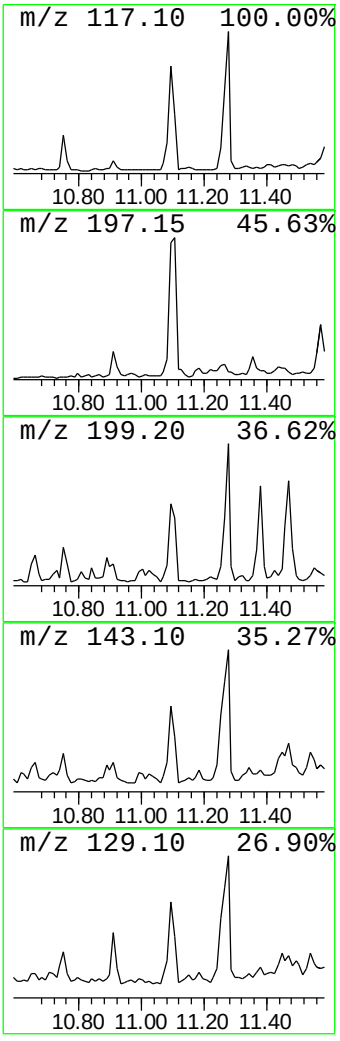
****

Peak Number 3 unknown11.09 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	106.73 ng	8452410	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	27
2	1H-Indene, 1-hexadecyl-2,3-dihydro-	342	C25H42	055334-29-7	22
3	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	22
4	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	22
5	1,5-Diphenyl-1,5-hexadiene	234	C18H18	1000211-27-2	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091693.D
Acq On : 17 Dec 2016 00:40
Operator : UM/SJ
Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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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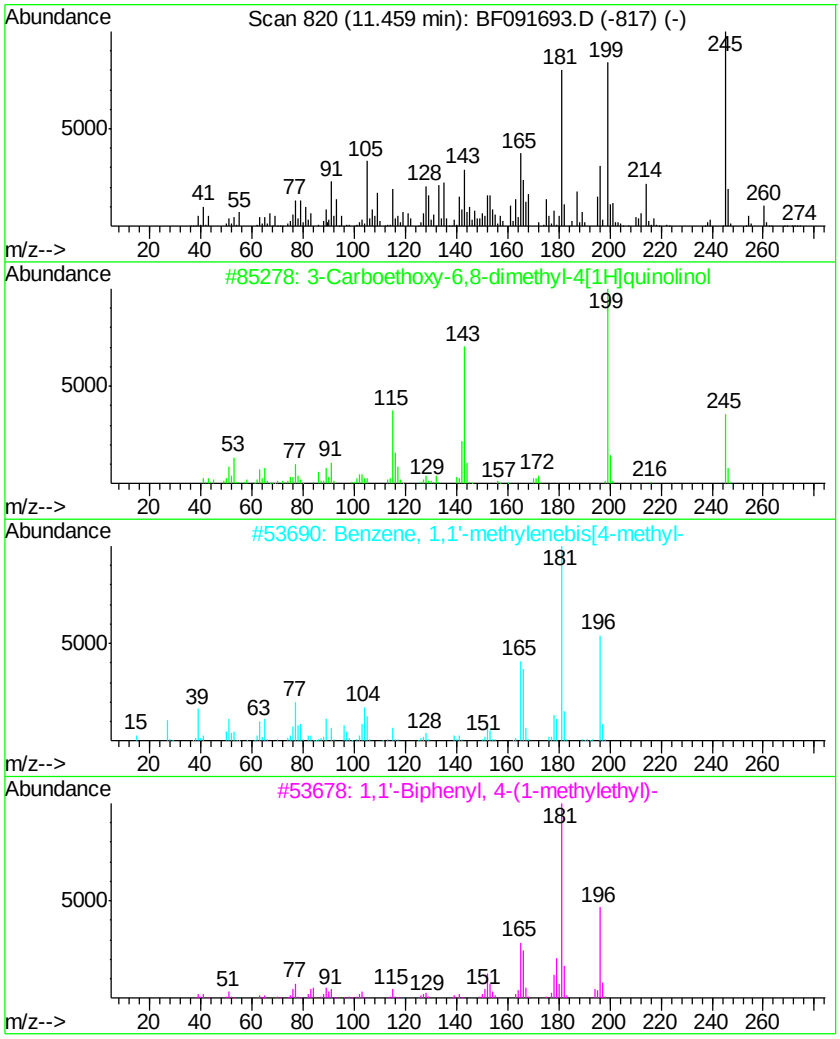
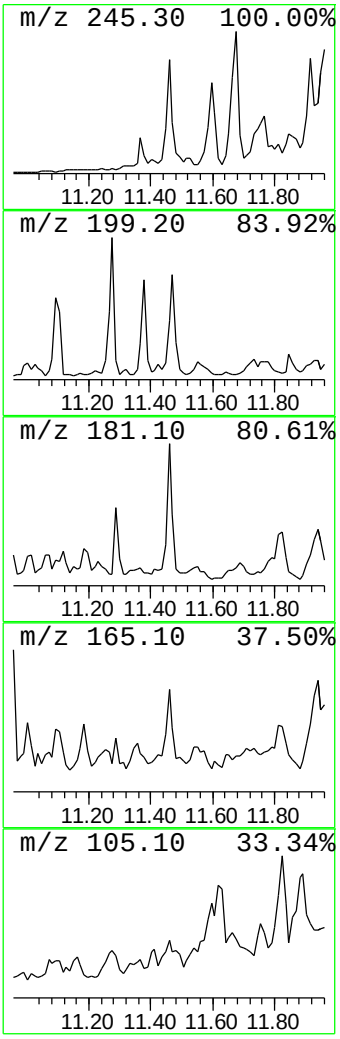
Peak Number 4 unknown11.46 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	99.29 ng	7863430	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Carboethoxy-6,8-dimethyl-4[1H]...	245	C14H15NO3	077156-77-5	49
2	Benzene, 1,1'-methylenebis[4-met...	196	C15H16	004957-14-6	30
3	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	30
4	1,3,5-Triazin-2-amine, 4-(2-furv...	245	C12H15N5O	148403-53-6	25
5	1,7-Dimethyl-3-phenyltricyclo[4....	196	C15H16	1000200-99-4	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091693.D
Acq On : 17 Dec 2016 00:40
Operator : UM/SJ
Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-12-14-16

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

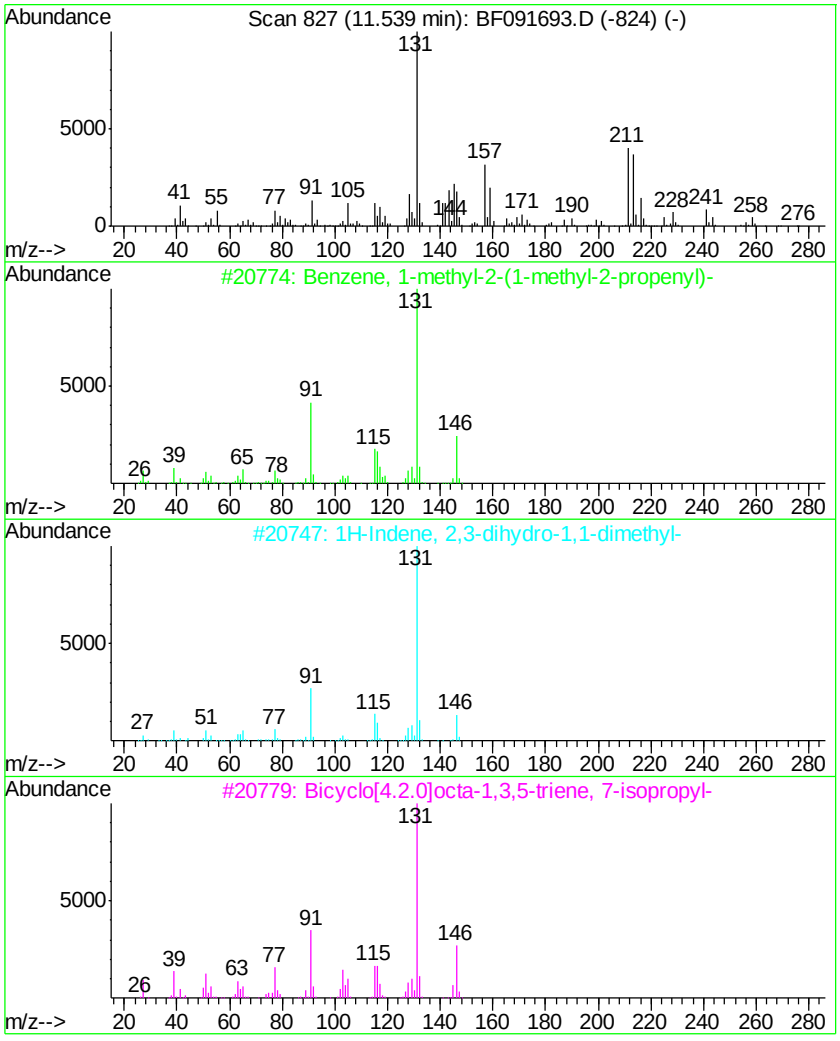
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

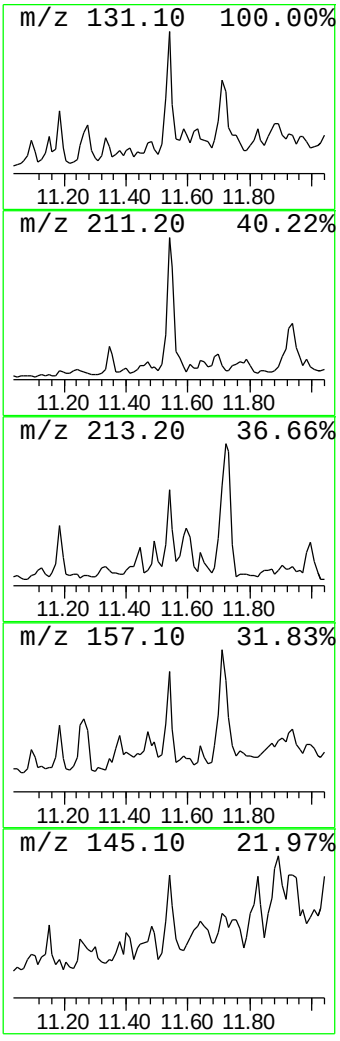
****

Peak Number 5 unknown11.54 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	62.15 ng	4922190	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	42
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	38
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	30
4	Naphthalene, 1,2,3,4-tetrahydro-...	258	C19H30	033425-49-9	30
5	Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	27





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Data File : BF091693.D
Acq On : 17 Dec 2016 00:40
Operator : UM/SJ
Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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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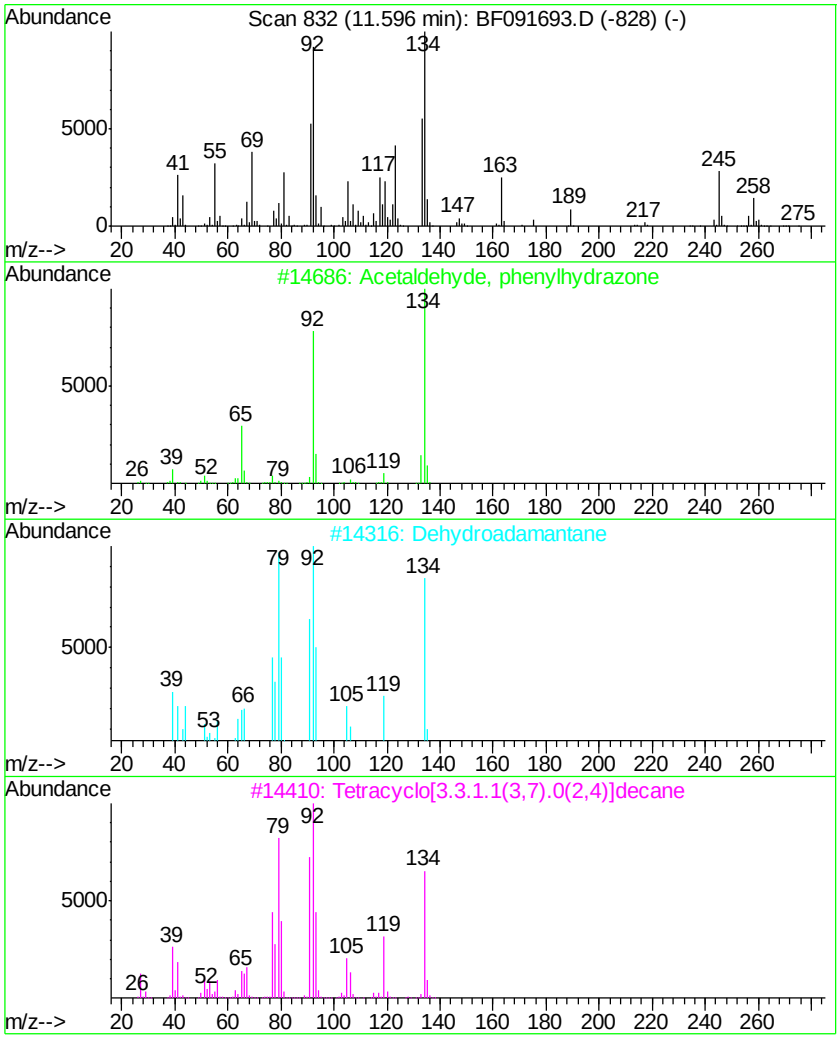
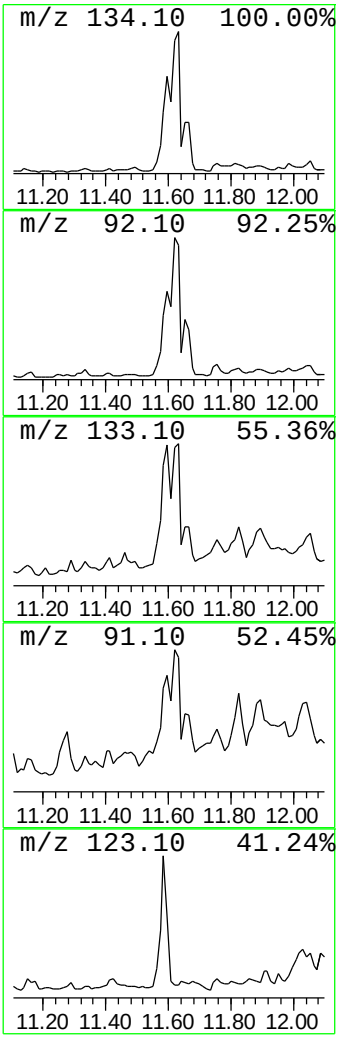
Peak Number 6 unknown11.60 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	113.27 ng	8970710	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde, phenylhydrazone	134	C8H10N2	000935-07-9	43
2	Dehydroadamantane	134	C10H14	039257-33-5	38
3	Tetracyclo[3.3.1.1(3,7).0(2,4)]d...	134	C10H14	010501-16-3	35
4	1,6-Methano-1H-inden-4-ol, octah...	194	C12H18O2	074876-28-1	35
5	5,6,7,8-Tetrahydroquinoxaline	134	C8H10N2	034413-35-9	27





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Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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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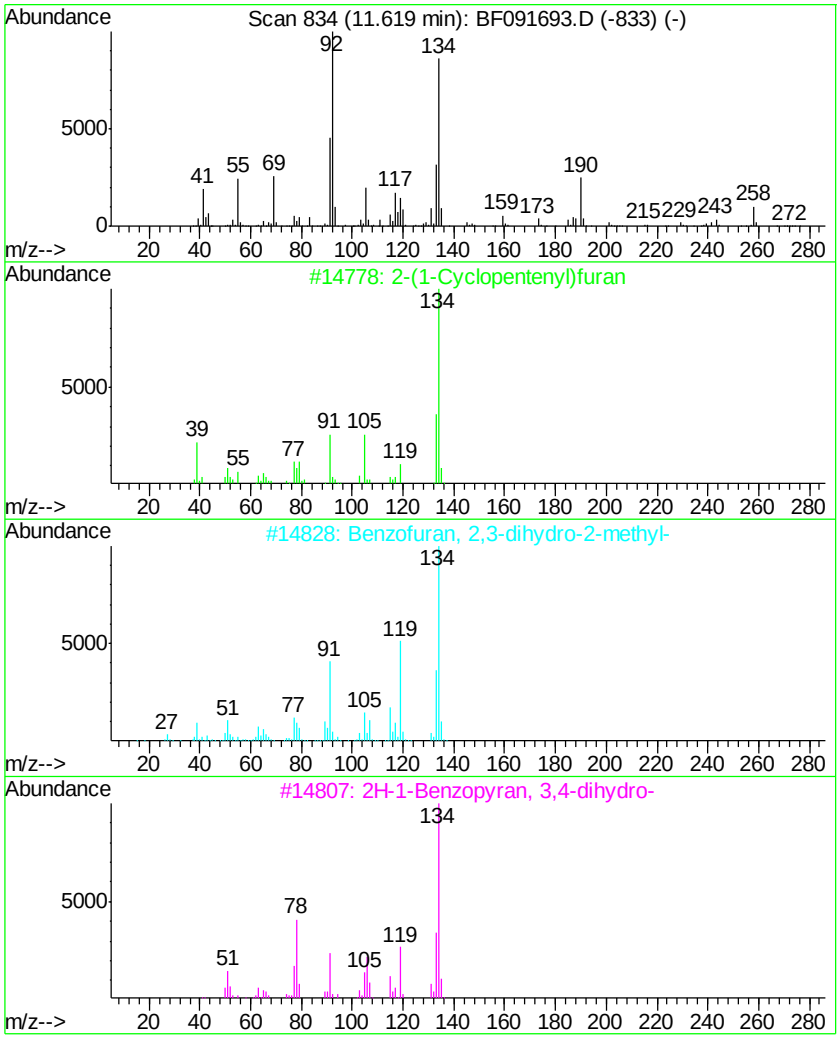
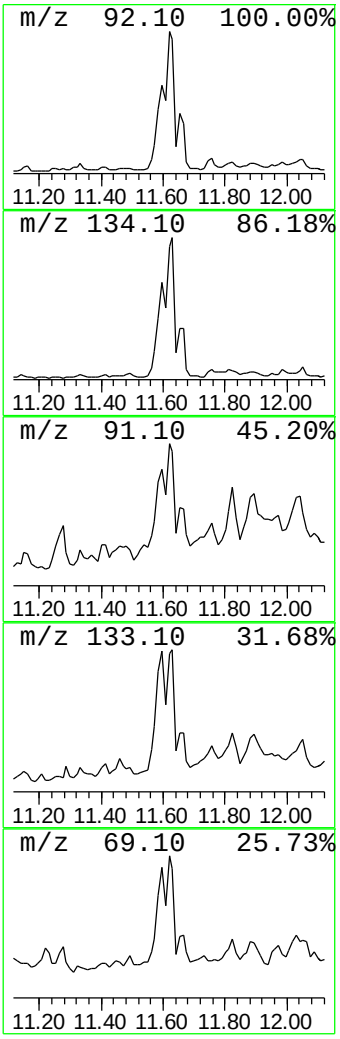
Peak Number 7 unknown11.62 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	71.12 ng	5632150	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(1-Cyclopentenyl)furan	134	C9H10O	115754-78-4	43
2	Benzofuran, 2,3-dihydro-2-methyl-	134	C9H10O	001746-11-8	43
3	2H-1-Benzopyran, 3,4-dihydro-	134	C9H10O	000493-08-3	38
4	Benzene, 1,1'-[3-(3-cyclopentylp...	334	C25H34	055191-62-3	35
5	5-Methylene-4,5,6,6a-tetrahydro-...	134	C9H10O	1000193-02-7	35





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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
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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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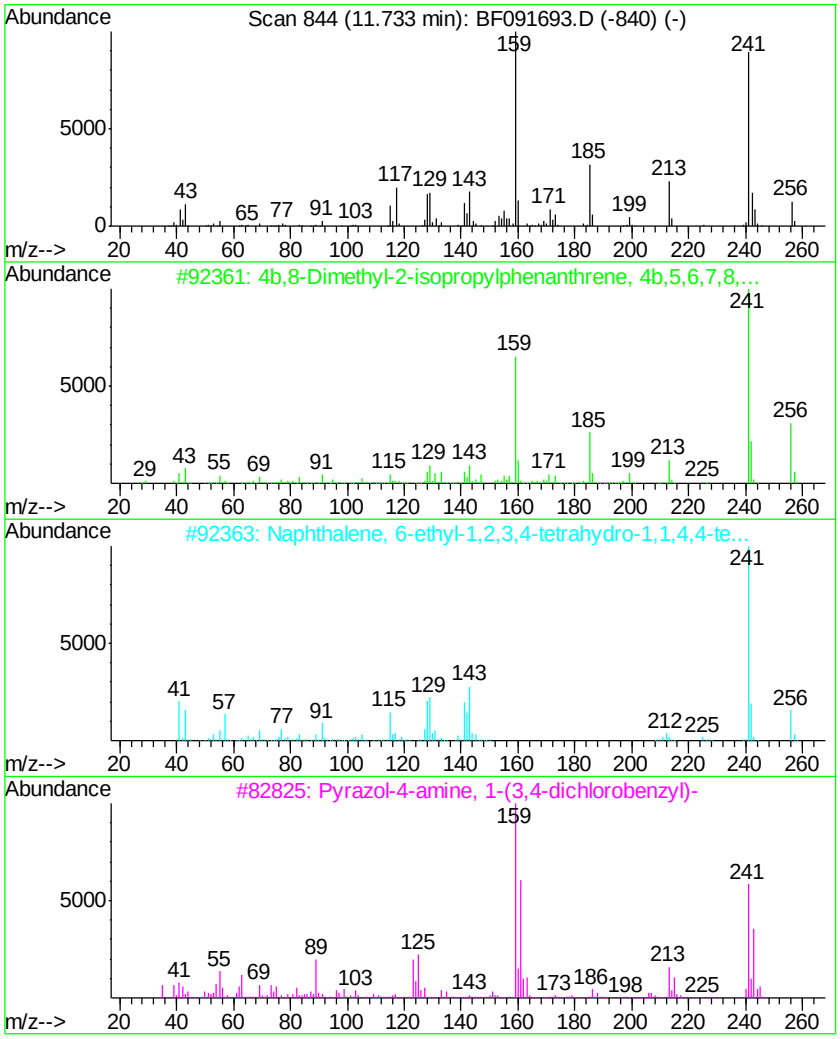
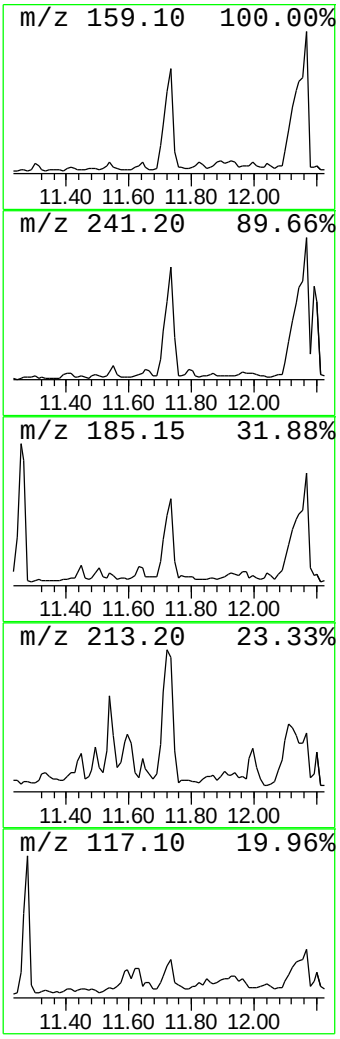
Peak Number 8 4b,8-Dimethyl-2-isopropylph... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	179.59 ng	14222300	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	90
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	44
3	Pyrazol-4-amine, 1-(3,4-dichloro...	241	C10H9Cl2N3	1000273-77-4	40
4	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	38
5	1H-Benz[de]isoquinoline-1,3(2H)-...	241	C14H11NO3	055133-82-9	35





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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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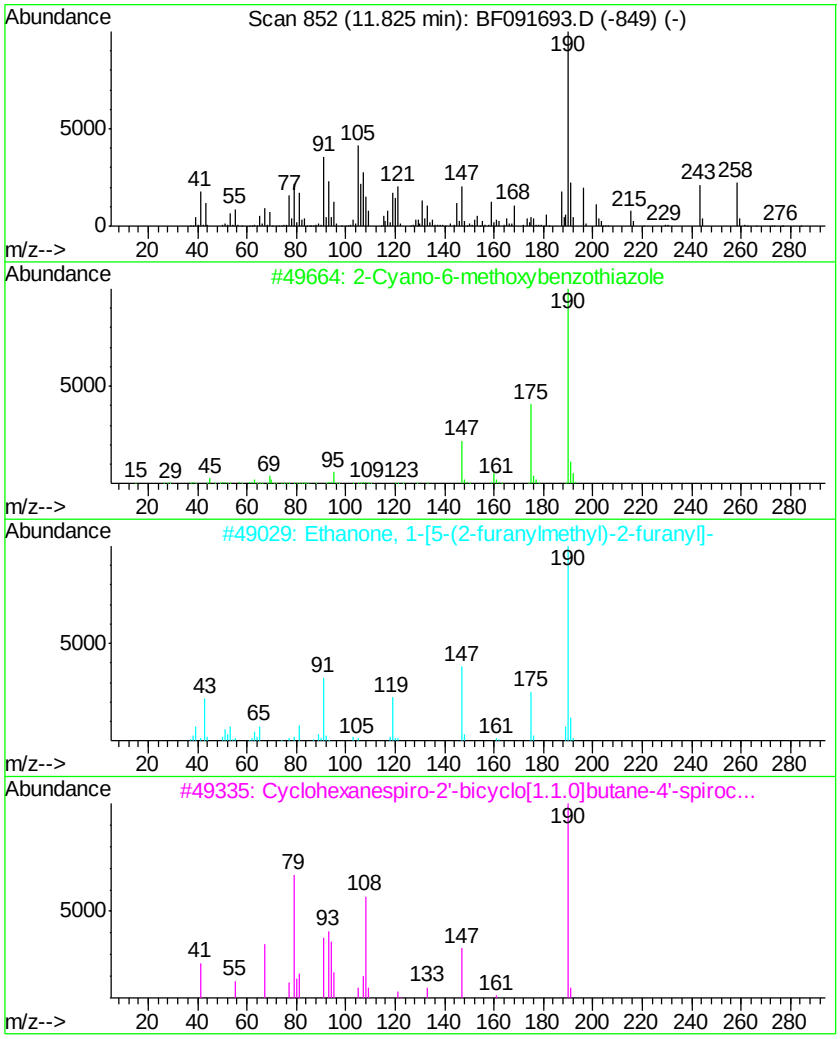
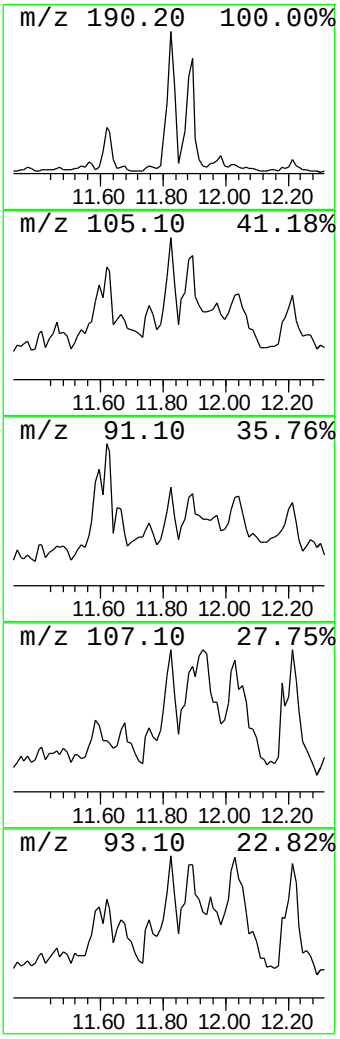
Peak Number 9 unknown11.82 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	102.67 ng	8131250	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyano-6-methoxybenzothiazole	190	C9H6N2OS	000943-03-3	38
2	Ethanone, 1-[5-(2-furanylmethyl)...	190	C11H10O3	052805-84-2	35
3	Cyclohexanespiro-2'-bicyclo[1.1....	190	C14H22	107924-94-7	35
4	6,7-Dimethoxyquinoxaline	190	C10H10N2O2	006295-29-0	35
5	1(3H)-Isobenzofuranone, 6,7-dime...	383	C21H21NO6	000118-08-1	27





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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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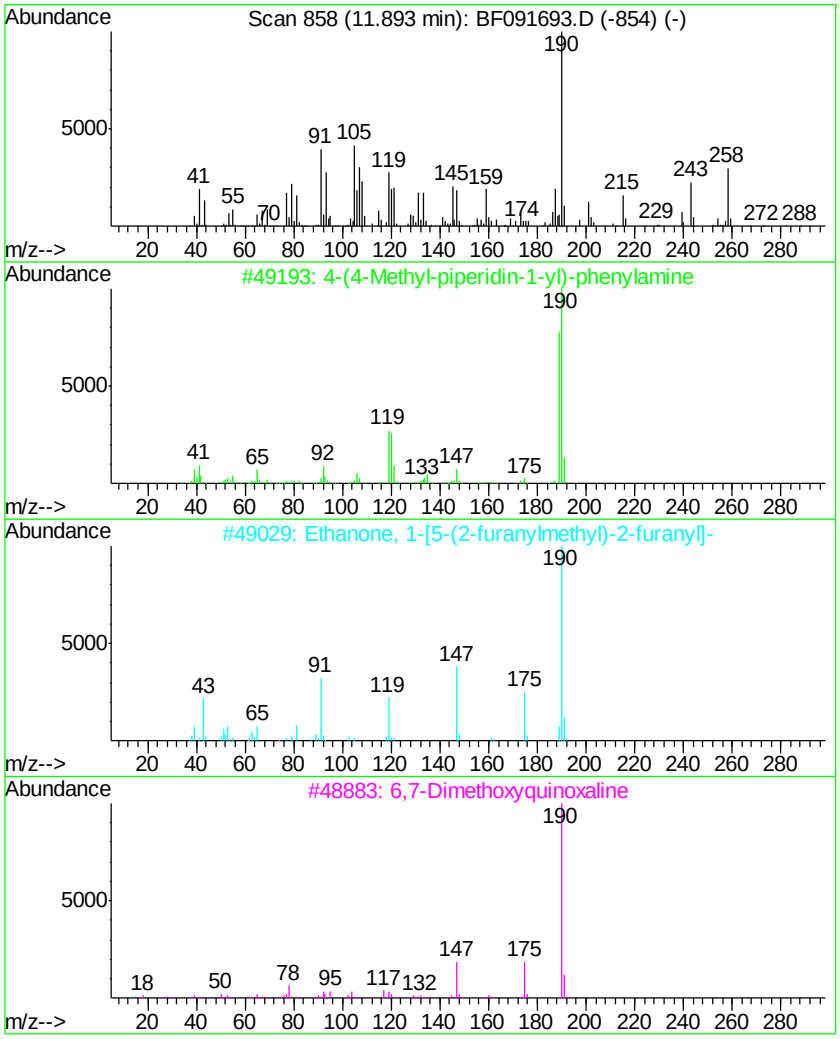
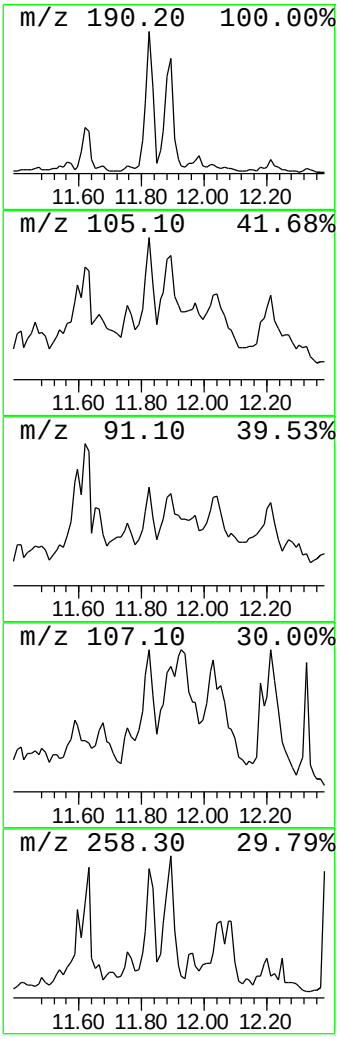
Peak Number 10 unknown11.89 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	121.44 ng	9617610	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methyl-piperidin-1-yl)-phen...	190	C12H18N2	342013-25-6	38
2	Ethanone, 1-[5-(2-furanylmethyl)...	190	C11H10O3	052805-84-2	27
3	6,7-Dimethoxyquinoxaline	190	C10H10N2O2	006295-29-0	27
4	Indole-1-carboxylic acid, 4-amin...	190	C10H10N2O2	081038-30-4	25
5	D-Alanine, N-pentafluoropropiony...	277	C9H12F5NO3	1000139-20-2	25





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Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
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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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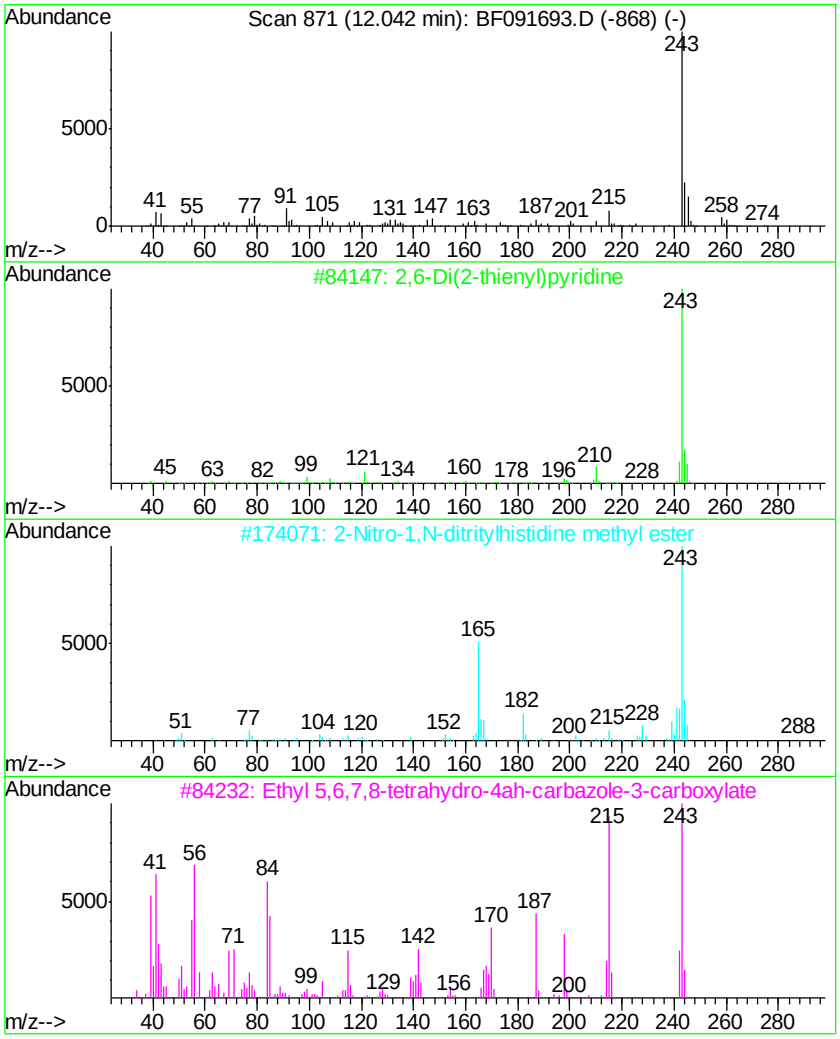
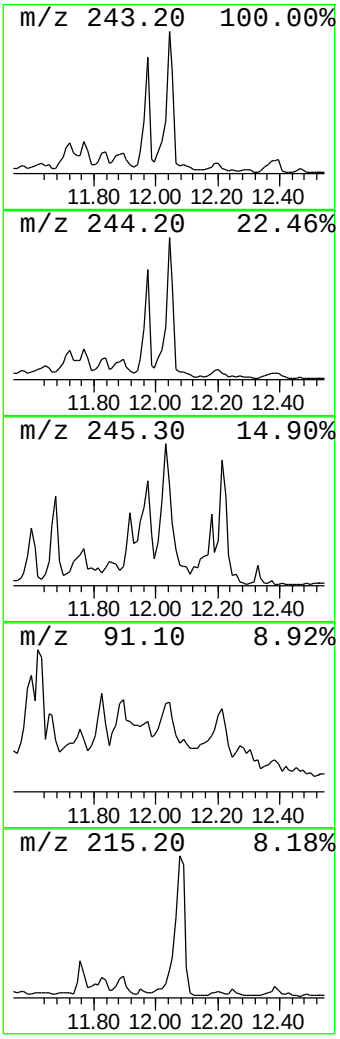
Peak Number 11 2,6-Di(2-thienyl)pyridine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	100.44 ng	7954190	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Di(2-thienyl)pyridine	243	C13H9NS2	035299-71-9	72
2	2-Nitro-1,N-ditritylhistidine me...	698	C45H38N4O4	1000132-96-1	72
3	Ethyl 5,6,7,8-tetrahydro-4ah-car...	243	C15H17NO2	1000224-64-6	64
4	Benzeneethanol, .beta.,.beta.-di...	274	C20H18O	000896-32-2	64
5	Imidazole, 2-bromo-1-triphenylme...	388	C22H17BrN2	067478-47-1	59





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Sample : H6125-03
Misc :
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Instrument : BNA_F
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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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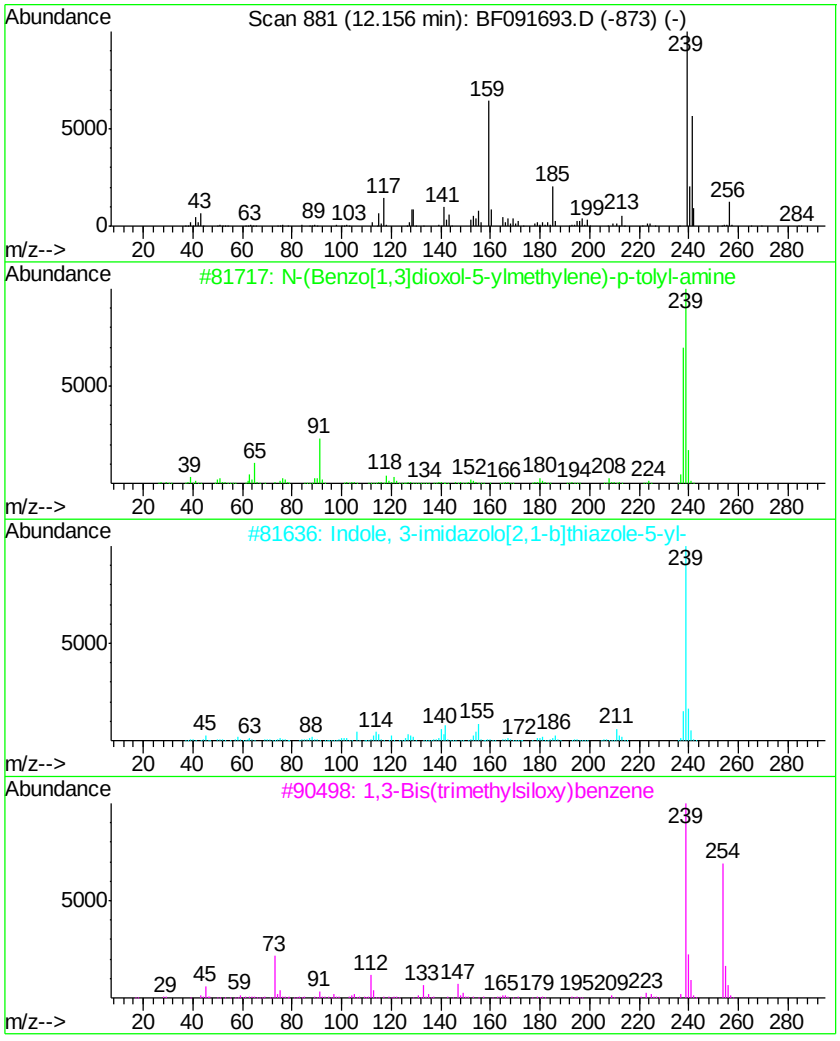
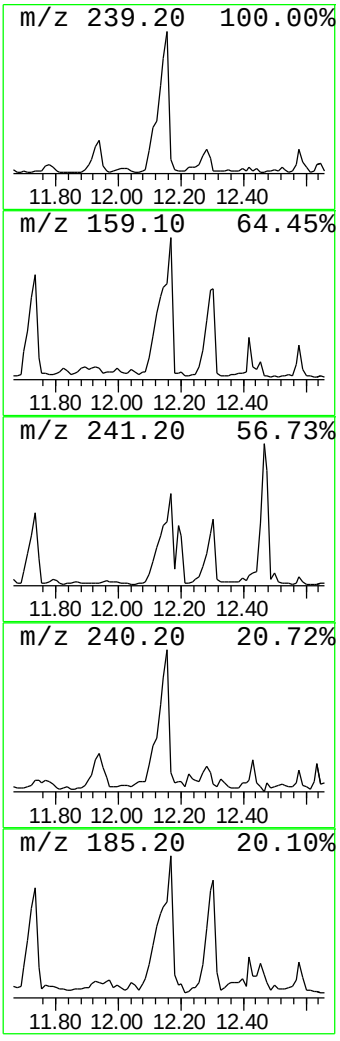
Peak Number 12 unknown12.16 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	335.93 ng	26603500	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(Benzo[1,3]dioxol-5-ylmethylen...	239	C15H13NO2	007402-58-6	35
2	Indole, 3-imidazolo[2,1-b]thiazo...	239	C13H9N3S	292855-05-1	35
3	1,3-Bis(trimethylsiloxy)benzene	254	C12H22O2Si2	004520-29-0	32
4	Benzaldehyde, 3-[4-(1,1-dimethyl...	254	C17H18O2	069770-23-6	25
5	4-(4-Oxo-1,2,3,4,6,7,12,12b-octa...	326	C19H22N2O3	1000137-91-1	25





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Misc :
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ClientSampleId : SB-47(8-9.5)-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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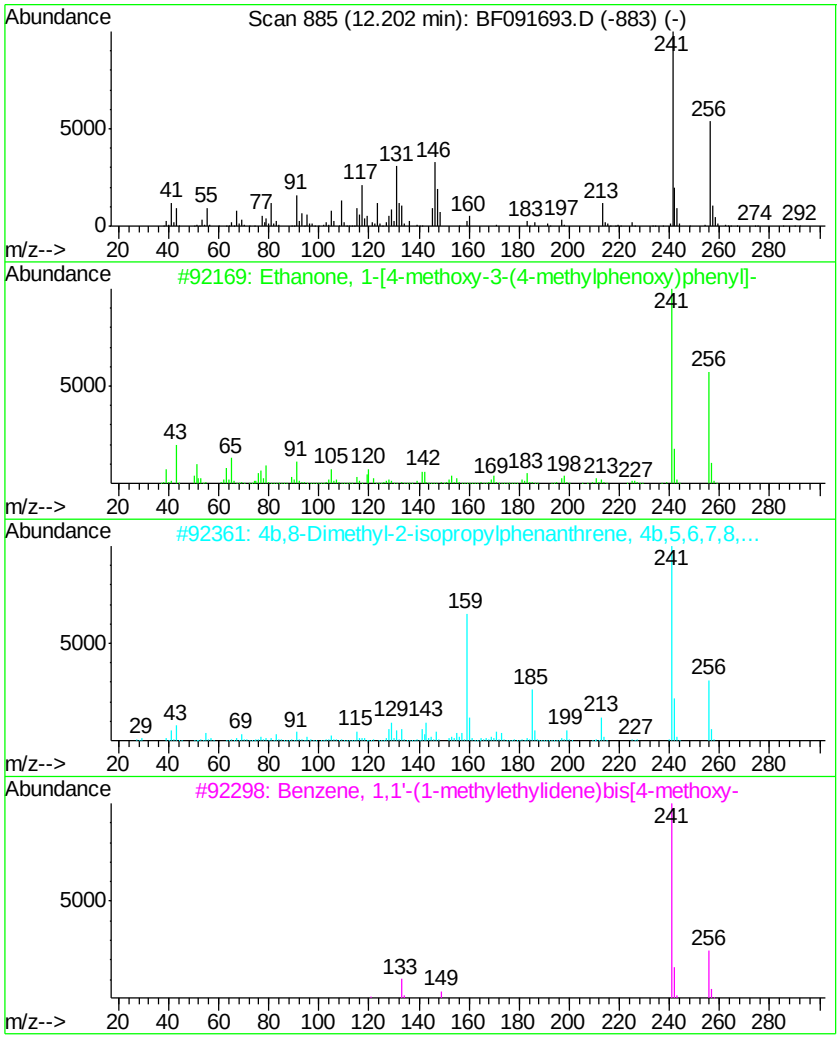
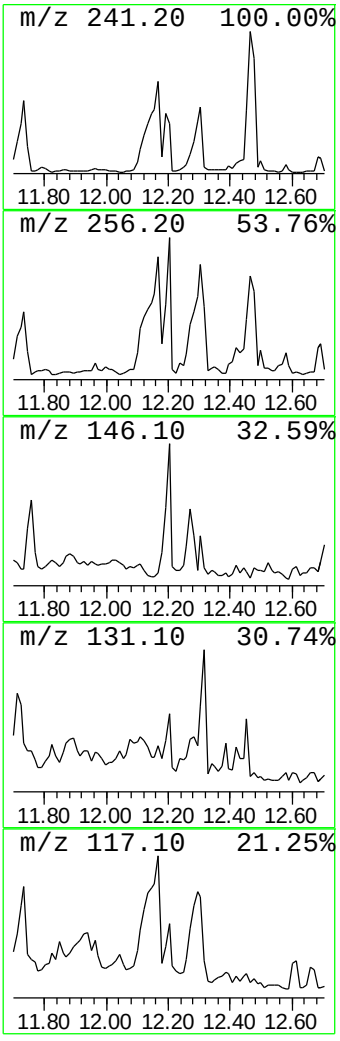
Peak Number 13 Ethanone, 1-[4-methoxy-3-(4... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	166.71 ng	13202300	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-[4-methoxy-3-(4-meth...	256	C16H16O3	116345-94-9	50
2	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	50
3	Benzene, 1,1'-(1-methylethyliden...	256	C17H20O2	001568-83-8	42
4	3-Acetyl-5-bromobenzo(b)thiophene	254	C10H7BrOS	001423-63-8	38
5	2(1H)-Quinolinone, 4-methyl-3-(2...	241	C14H11NOS	166538-16-5	35





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Sample : H6125-03
Misc :
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Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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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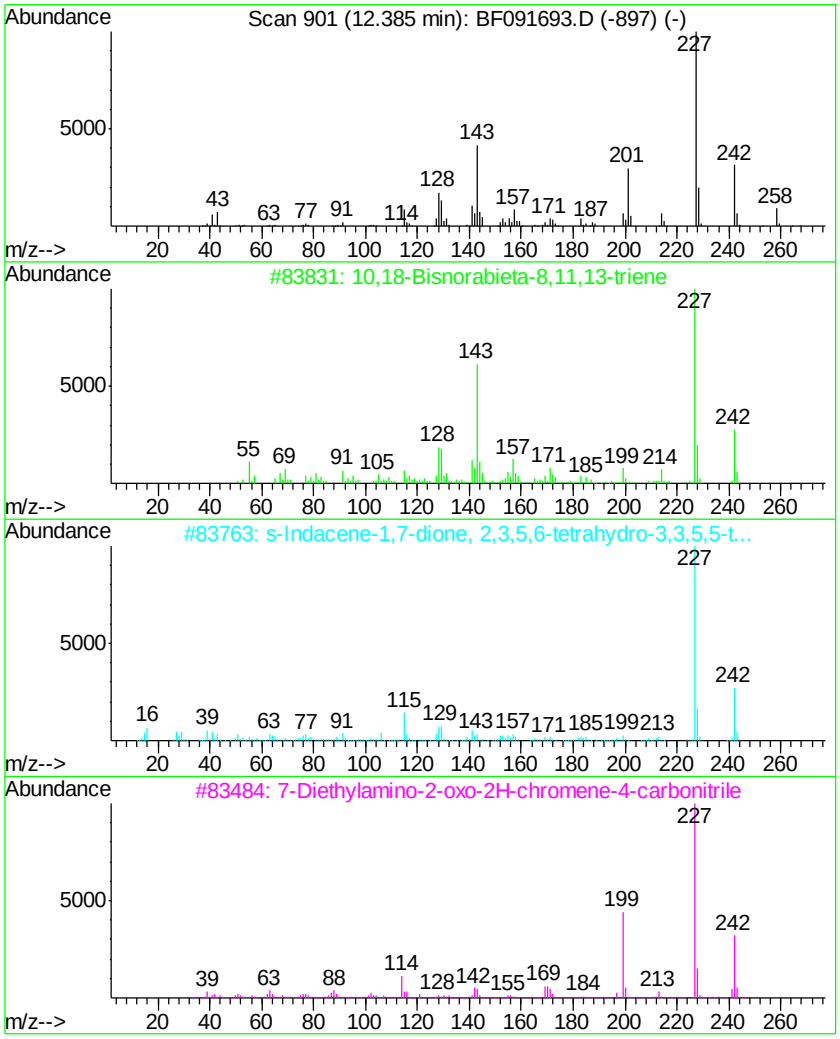
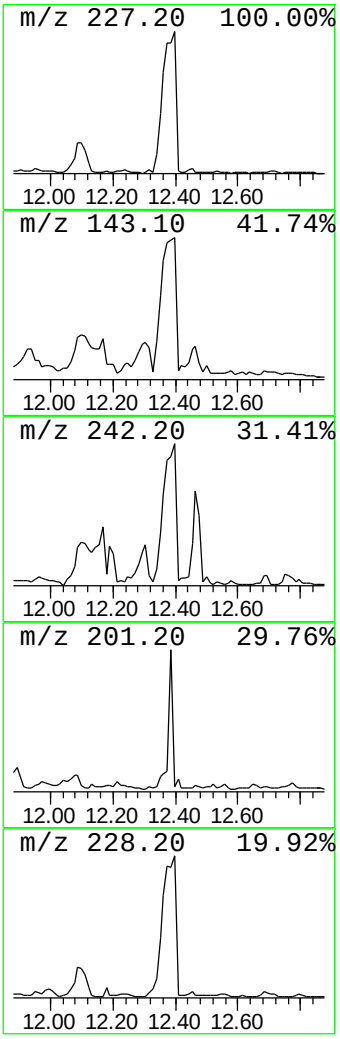
Peak Number 15 10,18-Bisnorabieta-8,11,13-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	258.28 ng	20454000	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	91
2	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	52
3	7-Diethylamino-2-oxo-2H-chromene...	242	C14H14N2O2	332411-59-3	46
4	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	000084-79-7	46
5	5H-Indeno[2,1-E]1,2,4triazin-5-o...	227	C10H9N7	1000271-75-1	45





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Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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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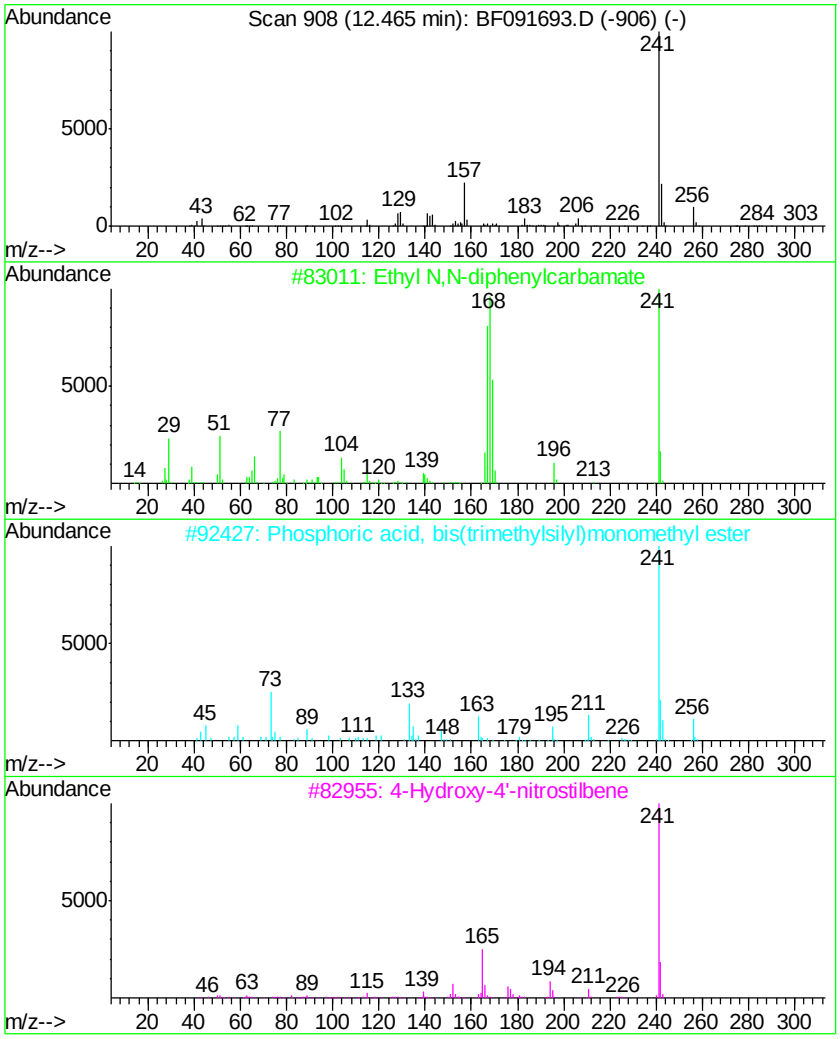
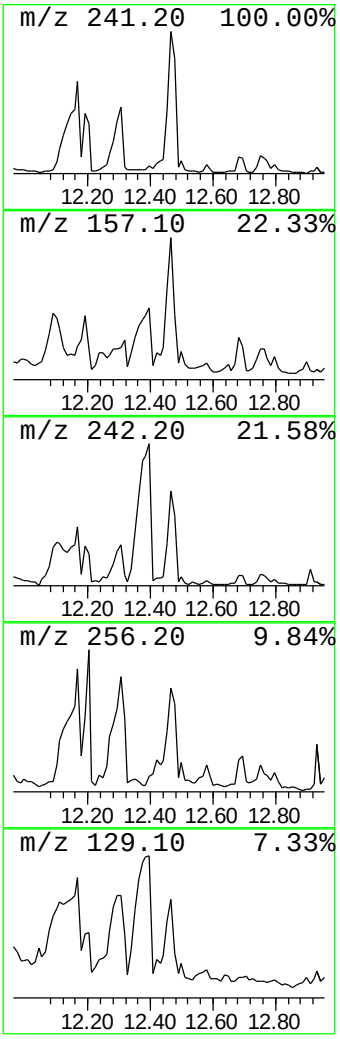
Peak Number 16 unknown12.46 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	119.30 ng	9448250	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl N,N-diphenylcarbamate	241	C15H15NO2	000603-52-1	49
2	Phosphoric acid, bis(trimethylsi...	256	C7H21O4PSi2	018291-81-1	42
3	4-Hydroxy-4'-nitrostilbene	241	C14H11NO3	019221-08-0	38
4	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	35
5	N-(p-Methoxybenzylidene)-p-anisi...	241	C15H15NO2	001749-08-2	28





Library Search Compound Report

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Acq On : 17 Dec 2016 00:40
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Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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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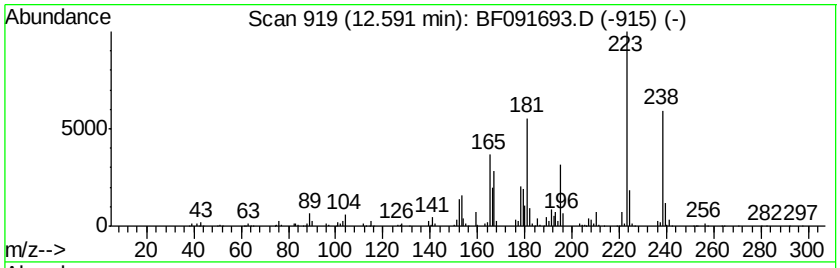
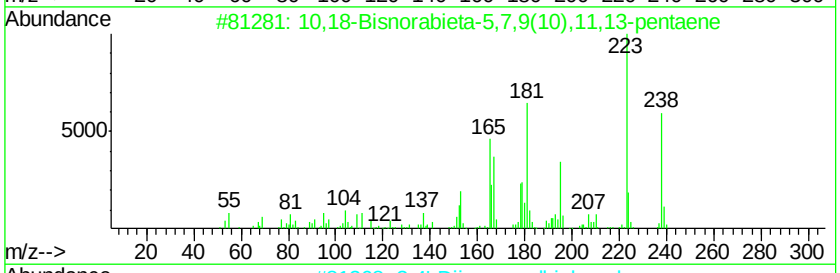
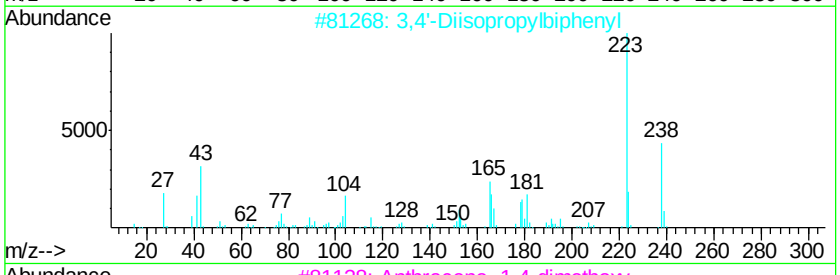
Peak Number 17 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 4

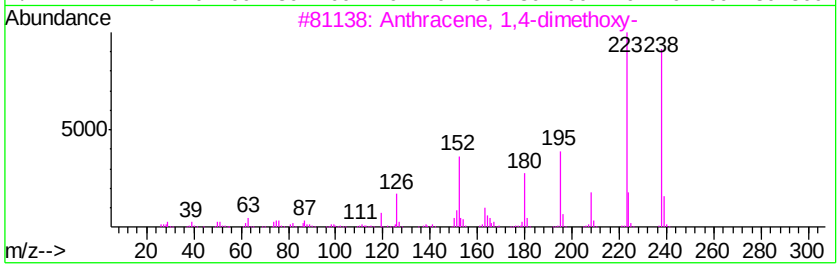
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	173.61 ng	13749100	Phenanthrene-d10	11.31

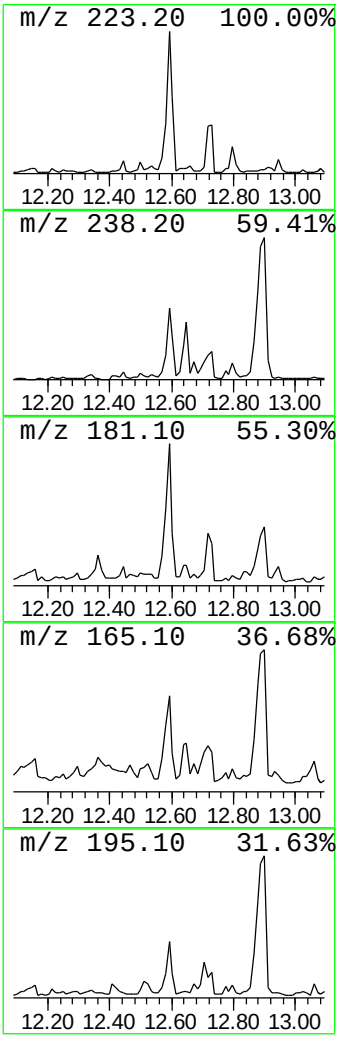
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	90
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	76
3	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	43
4	9-Acridinecarboxylic acid	223	C14H9NO2	005336-90-3	43
5	2-Propanone, 1-(2,5-dimethoxy-4-...	223	C12H17NO3	043021-99-4	38











Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091693.D
Acq On : 17 Dec 2016 00:40
Operator : UM/SJ
Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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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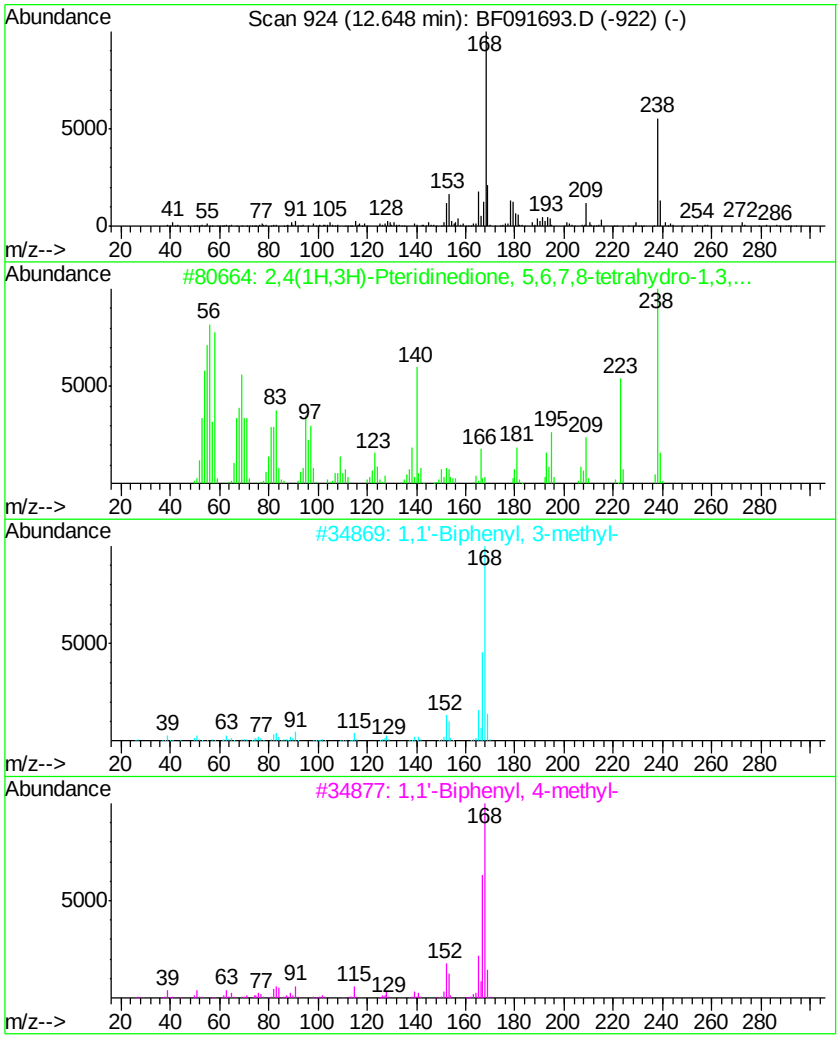
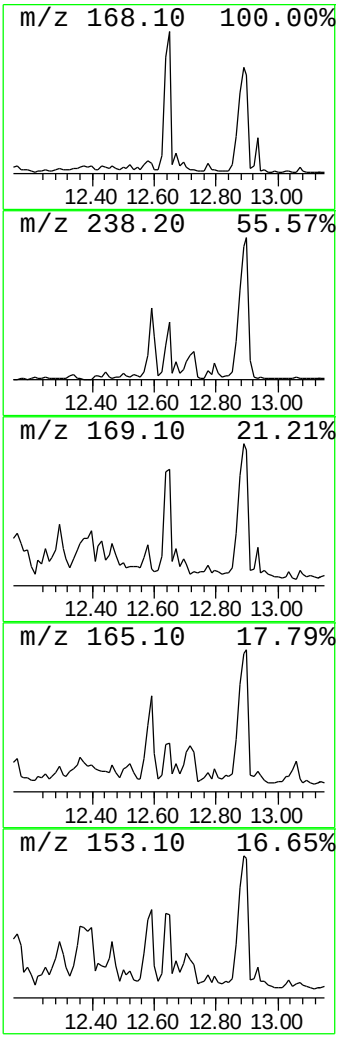
Peak Number 18 2,4(1H,3H)-Pteridinedione, ... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	62.12 ng	7368310	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4(1H,3H)-Pteridinedione, 5,6,7...	238	C11H18N4O2	037921-31-6	53
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	38
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	25
4	Pyridine, 2-(phenylmethyl)-	169	C12H11N	000101-82-6	25
5	9H-Pyrido[3,4-b]indole	168	C11H8N2	000244-63-3	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091693.D
Acq On : 17 Dec 2016 00:40
Operator : UM/SJ
Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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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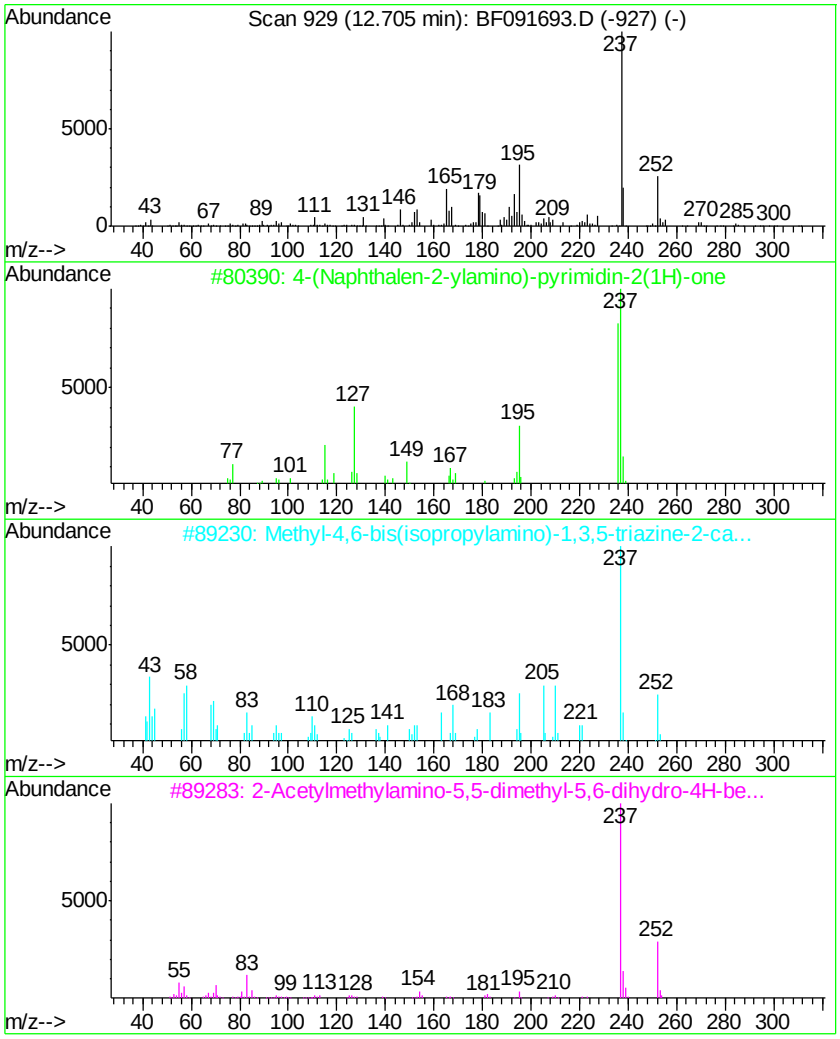
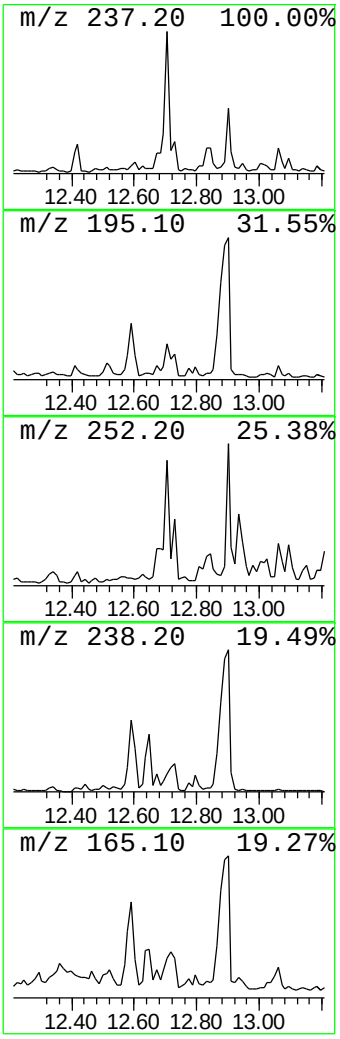
Peak Number 19 4-(Naphthalen-2-ylamino)-py... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	53.38 ng	6331040	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(Naphthalen-2-ylamino)-pyrimid...	237	C14H11N3O	127970-28-9	58
2	Methyl-4,6-bis(isopropylamino)-1...	252	C11H20N6O	300587-35-3	50
3	2-Acetylmethylamino-5,5-dimethyl...	252	C12H16N2O2S	1000285-58-5	50
4	Phosphetane, 2,2,3,4,4-pentameth...	252	C14H21O2P	050517-26-5	50
5	Pyrido[2,3-b]quinolin-5-amine, 2...	237	C15H15N3	082756-23-8	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091693.D
Acq On : 17 Dec 2016 00:40
Operator : UM/SJ
Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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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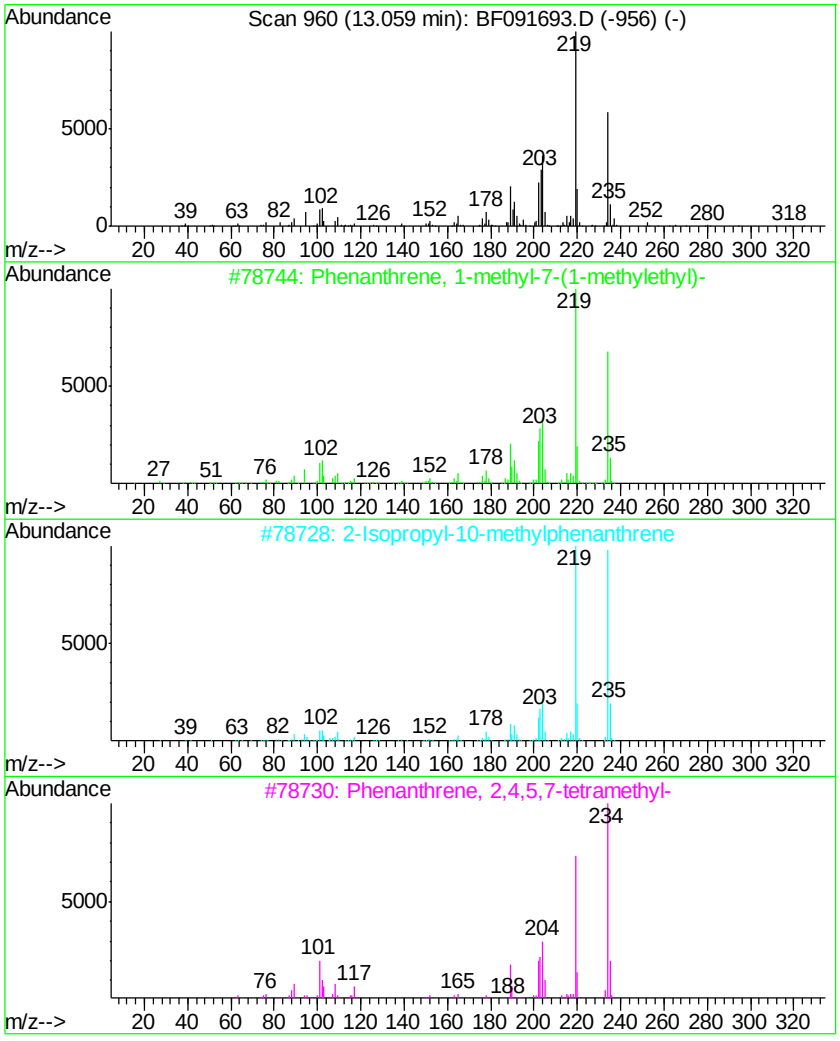
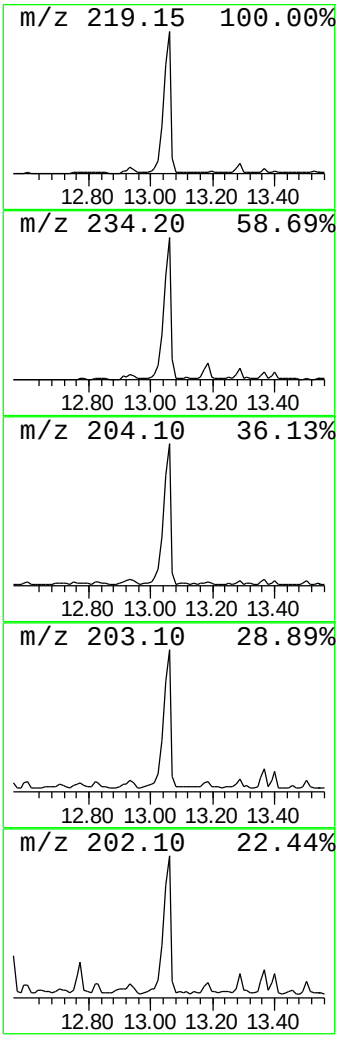
Peak Number 20 Phenanthrene, 1-methyl-7-(1... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	131.40 ng	15585200	Chrysene-d12	13.94

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	68
4	Benzene, 1,3-bis(1,1-dimethyleth...	234	C16H26O	001518-53-2	52
5	2,3,5,6-Detetrahydrocyclohexanon...	234	C15H22O2	101100-38-3	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091693.D
Acq On : 17 Dec 2016 00:40
Operator : UM/SJ
Sample : H6125-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-47(8-9.5)-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
Cyclohexane, (2-m...	6.97	48.2	ng	22823000	1	6.80	9470240	20.0
Tridecane, 5-propyl-	10.76	140.5	ng	11126600	4	11.31	1583890	20.0
unknown11.09	11.09	106.7	ng	8452410	4	11.31	1583890	20.0
unknown11.46	11.46	99.3	ng	7863430	4	11.31	1583890	20.0
unknown11.54	11.54	62.1	ng	4922190	4	11.31	1583890	20.0
unknown11.60	11.60	113.3	ng	8970710	4	11.31	1583890	20.0
unknown11.62	11.62	71.1	ng	5632150	4	11.31	1583890	20.0
4b,8-Dimethyl-2-i...	11.73	179.6	ng	14222300	4	11.31	1583890	20.0
unknown11.82	11.82	102.7	ng	8131250	4	11.31	1583890	20.0
unknown11.89	11.89	121.4	ng	9617610	4	11.31	1583890	20.0
2,6-Di(2-thienyl)...	12.04	100.4	ng	7954190	4	11.31	1583890	20.0
unknown12.16	12.16	335.9	ng	26603500	4	11.31	1583890	20.0
Ethanone, 1-[4-me...	12.20	166.7	ng	13202300	4	11.31	1583890	20.0
10,18-Bisnorabiet...	12.38	258.3	ng	20454000	4	11.31	1583890	20.0
unknown12.46	12.46	119.3	ng	9448250	4	11.31	1583890	20.0
10,18-Bisnorabiet...	12.59	173.6	ng	13749100	4	11.31	1583890	20.0
2,4(1H,3H)-Pterid...	12.65	62.1	ng	7368310	5	13.94	2372180	20.0
4-(Naphthalen-2-y...	12.71	53.4	ng	6331040	5	13.94	2372180	20.0
Phenanthrene, 1-m...	13.06	131.4	ng	15585200	5	13.94	2372180	20.0