LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
Data File : BF081370.D
Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

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-BF090115.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	3.564	170	173	183	rBV	21083	42527	6.77%	0.405%
2	4.421	246	248	256	rVB	215617	262460	41.80%	2.500%
3	4.936	291	293	300	rBV	349724	351700	56.01%	3.350%
4	6.056	389	391	398	rBV	417553	393071	62.60%	3.744%
5	6.159	398	400	402	rVV	291720	344260	54.82%	3.279%
6	6.387	418	420	422	rBV	411467	364170	57.99%	3.469%
7	6.536	431	433	436	rBV	241148	256838	40.90%	2.446%
8	6.959	468	470	472	rBV	283823	228686	36.42%	2.178%
9	7.313	499	501	503	rBV	9285	9649	1.54%	0.092%
10	7.679	530	533	535	rBV	533693	477433	76.03%	4.547%
11	7.770	540	541	543	rBV	11025	10338	1.65%	0.098%
12	8.125	570	572	575	rBV	16498	27941	4.45%	0.266%
13	8.228	578	581	583	rBV2	8164	10083	1.61%	0.096%
14	8.296	585	587	589	rBV3	6522	14099	2.25%	0.134%
15	8.388	593	595	597	rVB2	7747	11680	1.86%	0.111%
16	8.468	600	602	604	rBV2	6289	10707	1.71%	0.102%
17	8.582	609	612	615	rBV4	7383	20404	3.25%	0.194%
18	8.662	618	619	621	rBV2	10031	10405	1.66%	0.099%
19	8.730	621	625	626	rBV	19852	39670	6.32%	0.378%
20	8.753	626	627	630	rVB	398975	336190	53.54%	3.202%
21	8.822	631	633	634	rBV	11985	13504	2.15%	0.129%
22	9.062	652	654	655	rBV2	9089	10420	1.66%	0.099%
23	9.130	659	660	661	rVB	15717	10774	1.72%	0.103%
24	9.165	661	663	666	rBV2	50329	83923	13.36%	0.799%
25	9.279	672	673	674	rBV	14635	12131	1.93%	0.116%
26	9.325	674	677	679	rVV3	20140	28133	4.48%	0.268%
27	9.416	683	685	687	rVV	569285	499260	79.51%	4.755%
28	9.451	687	688	690	rVV2	19797	19412	3.09%	0.185%
29	9.531	693	695	699	rBV4	5867	12861	2.05%	0.122%
30	9.622	701	703	704	rBV	17708	18529	2.95%	0.176%
31	9.702	709	710	711	rVB	16360	11223	1.79%	0.107%
32	9.736	711	713	716	rBV2	18142	30196	4.81%	0.288%
33	9.816	719	720	722	rBV2	19426	20296	3.23%	0.193%
34	9.862	722	724	725	rBV2	6350	10952	1.74%	0.104%

LSC Area Percent Report

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Data File : BF081370.D
Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

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 >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.908	727	728	731	rBV3	7316	14466	2.30%	0.138%
36	9.953	731	732	734	rBV2	20261	20511	3.27%	0.195%
37	9.988	734	735	736	rBV	14465	11403	1.82%	0.109%
38	10.022	736	738	741	rBV3	14255	17546	2.79%	0.167%
39	10.068	741	742	744	rBV	93022	96814	15.42%	0.922%
40	10.102	744	745	747	rVB	27404	20824	3.32%	0.198%
41	10.193	751	753	756	rBV	239134	236881	37.72%	2.256%
42	10.239	756	757	758	rBV	13348	13258	2.11%	0.126%
43	10.308	761	763	766	rBV3	22141	59111	9.41%	0.563%
44	10.365	766	768	769	rVB	75531	75229	11.98%	0.717%
45	10.399	769	771	773	rBV	52233	45781	7.29%	0.436%
46	10.468	774	777	779	rBV	185653	171170	27.26%	1.630%
47	10.502	779	780	781	rVB	14047	9629	1.53%	0.092%
48	10.536	781	783	785	rBV3	21816	45415	7.23%	0.433%
49	10.628	789	791	794	rBV4	31920	41593	6.62%	0.396%
50	10.788	803	805	806	rBV2	16575	23631	3.76%	0.225%
51	10.822	806	808	811	rVB2	306574	347466	55.33%	3.310%
52	10.879	811	813	817	rBV2	528785	627941	100.00%	5.981%
53	10.959	818	820	821	rVB	30397	30909	4.92%	0.294%
54	10.994	821	823	825	rBV2	100242	149311	23.78%	1.422%
55	11.165	835	838	840	rVB2	41398	75329	12.00%	0.717%
56	11.234	841	844	848	rVB	303762	379226	60.39%	3.612%
57	11.302	848	850	853	rBV	157451	175828	28.00%	1.675%
58	11.371	855	856	858	rBV2	71711	112112	17.85%	1.068%
59	11.508	864	868	870	rBV3	103247	166903	26.58%	1.590%
60	11.542	870	871	874	rVB3	68057	84935	13.53%	0.809%
61	11.668	880	882	886	rBV3	87241	175032	27.87%	1.667%
62	11.771	890	891	893	rVB2	64918	73567	11.72%	0.701%
63	11.908	900	903	906	rBV2	49017	123755	19.71%	1.179%
64	11.965	906	908	909	rVV	59905	67743	10.79%	0.645%
65	12.022	909	913	914	rBV3	70494	145124	23.11%	1.382%
66	12.079	916	918	920	rBV	345981	304742	48.53%	2.903%
67	12.148	920	924	927	rVV3	69091	170964	27.23%	1.628%
68	12.297	935	937	939	rVB2	245598	332143	52.89%	3.164%
69	12.342	939	941	943	rBV3	46282	68092	10.84%	0.649%
70	12.468	950	952	953	rBV	236926	260394	41.47%	2.480%
71	13.371	1029	1031	1037	rBV2	95530	272919	43.46%	2.599%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
Data File : BF081370.D
Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.497	1039	1042	1043	rVV2	350928	418995	66.73%	3.991%
73	13.519	1043	1044	1048	rVB	434854	444507	70.79%	4.234%
74	14.765	1151	1153	1155	rBV2	73274	134522	21.42%	1.281%
75	14.811	1155	1157	1159	rVB	175931	227688	36.26%	2.169%
76	15.645	1228	1230	1241	rVB5	70975	184098	29.32%	1.753%
77	16.068	1265	1267	1269	rVB2	27859	37609	5.99%	0.358%

Sum of corrected areas: 10499041

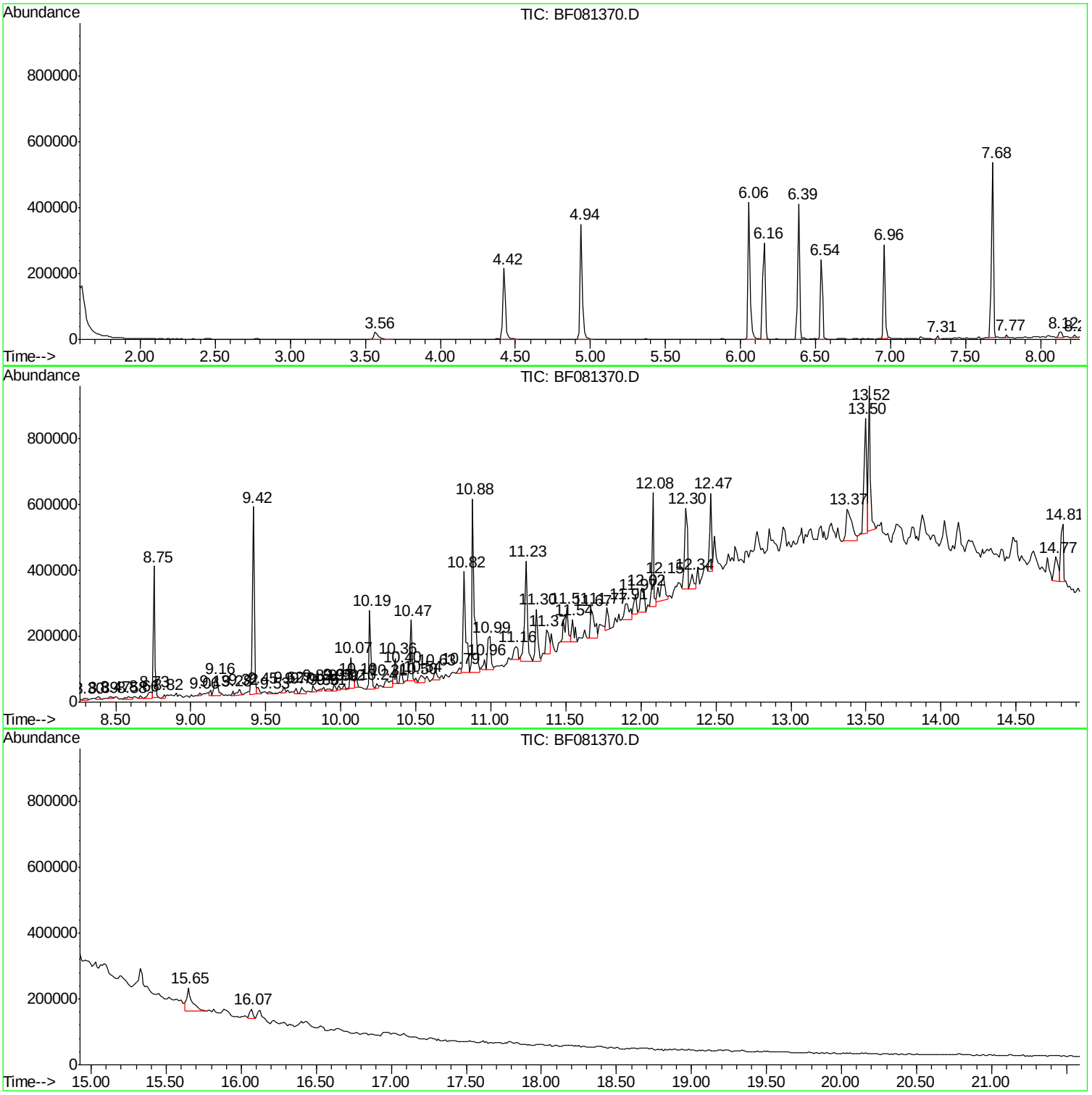
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
Data File : BF081370.D
Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
Data File : BF081370.D
Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

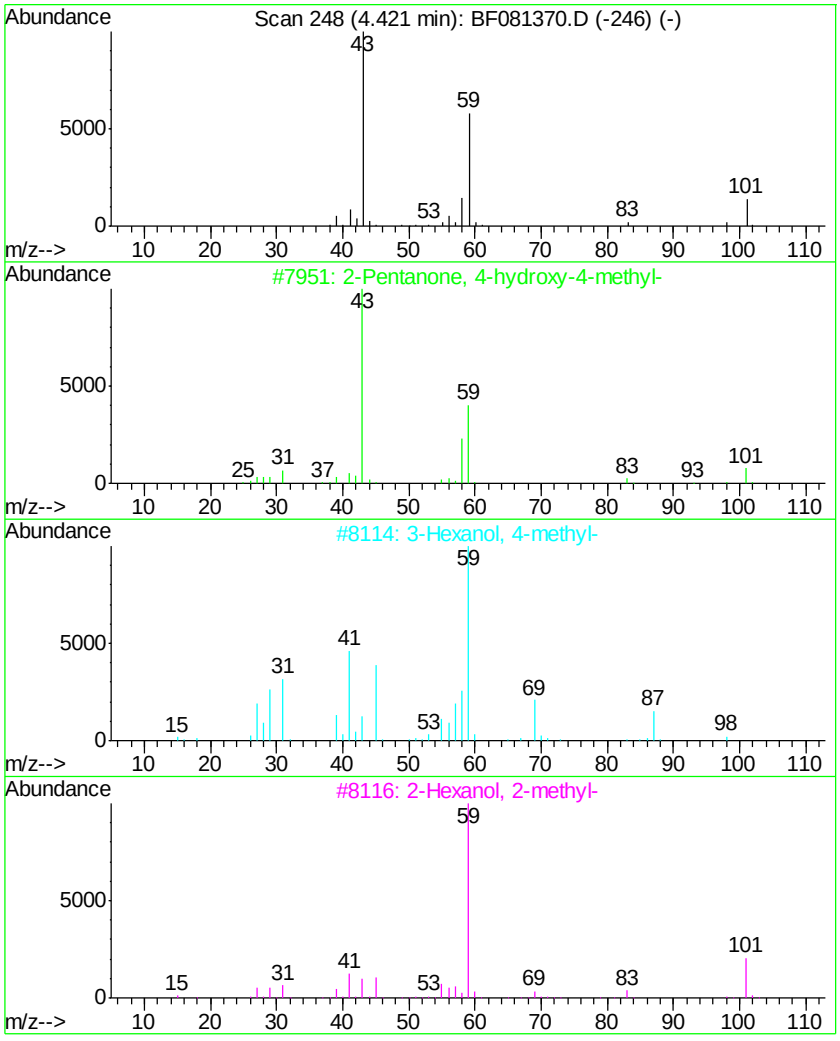
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

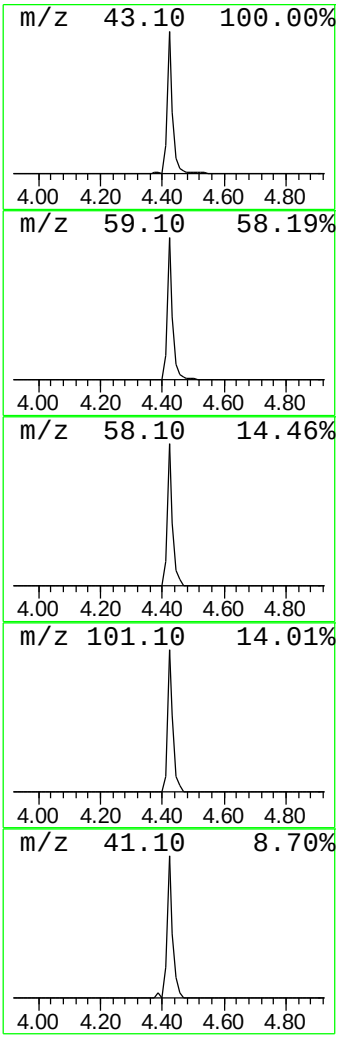
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.42	14.41 ng	262460	1,4-Dichlorobenzene-d4	6.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
Data File : BF081370.D
Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

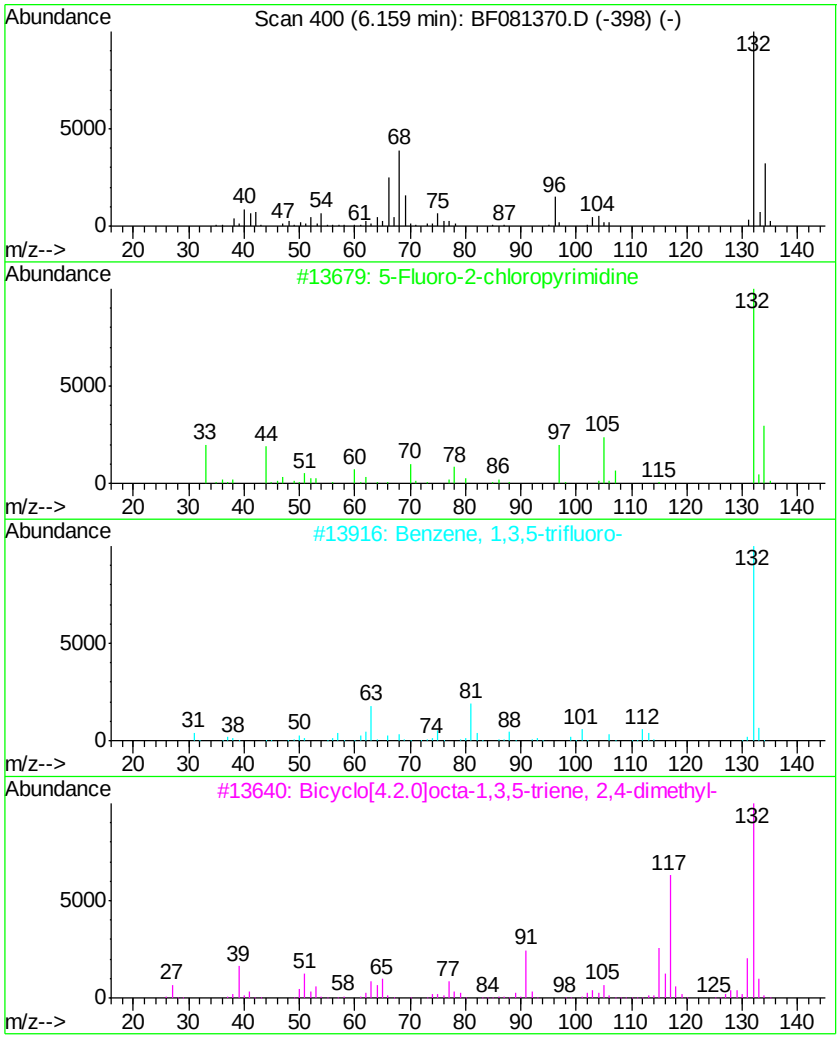
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

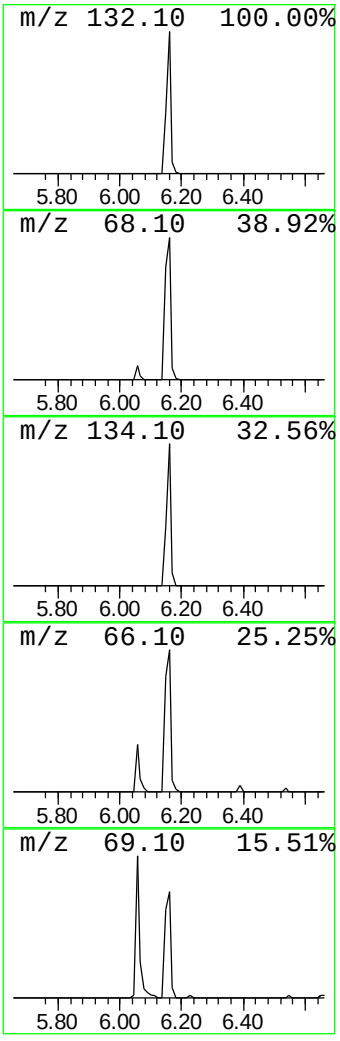
****

Peak Number 2 unknown6.16 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.16	18.91 ng	344260	1,4-Dichlorobenzene-d4	6.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	5-Aminoindole	132	C8H8N2	005192-03-0	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
Data File : BF081370.D
Acq On : 3 Sep 2015 2:25
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Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

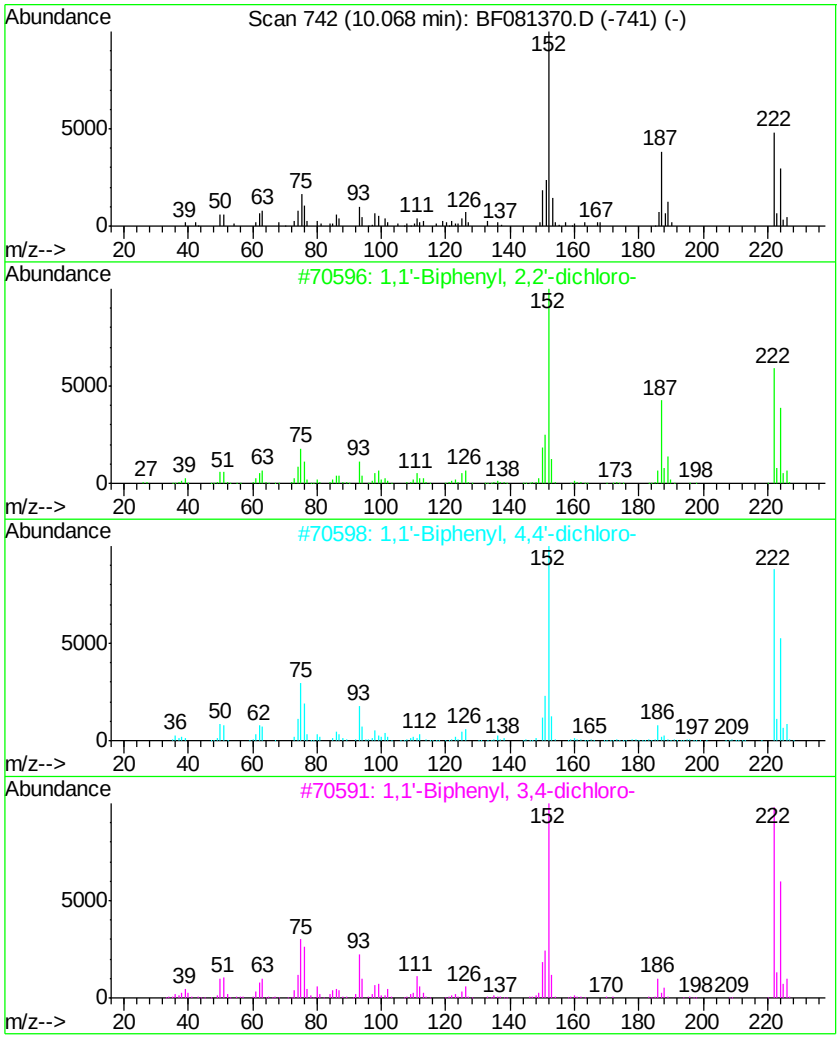
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

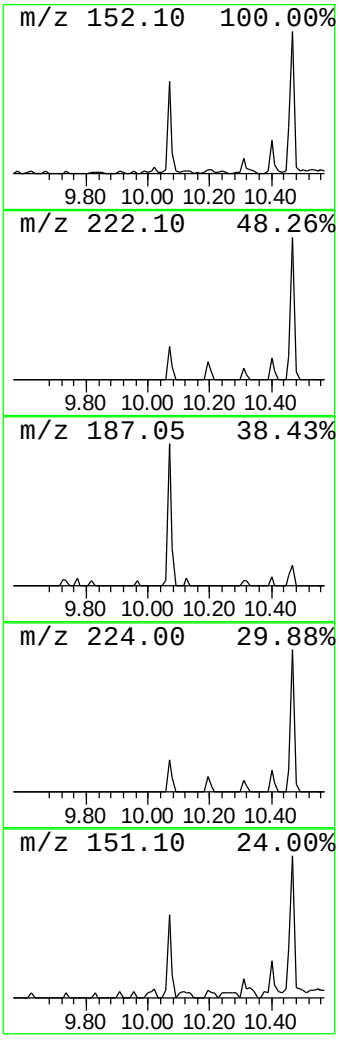
****

Peak Number 4 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	3.88 ng	96814	Acenaphthene-d10	9.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99
2	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	96
3	1,1'-Biphenyl, 3,4-dichloro-	222	C12H8Cl2	002974-92-7	93
4	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	90
5	1,1'-Biphenyl, 3,5-dichloro-	222	C12H8Cl2	034883-41-5	89





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Sample : G3490-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

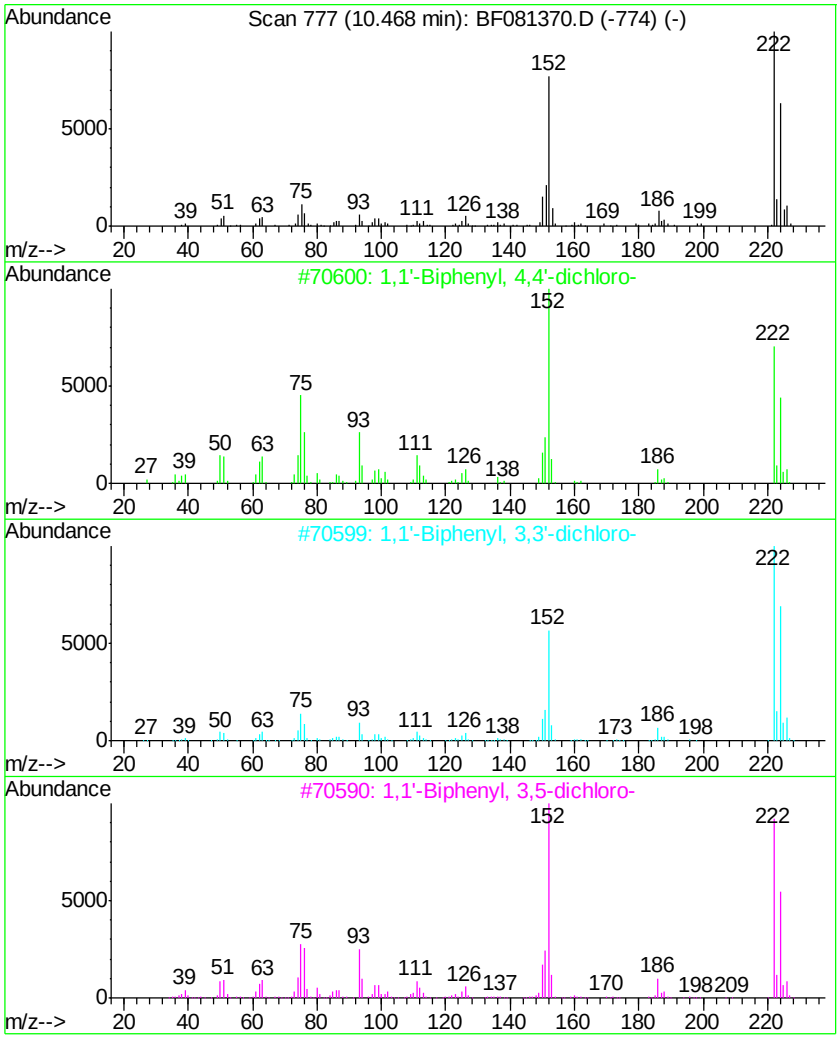
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

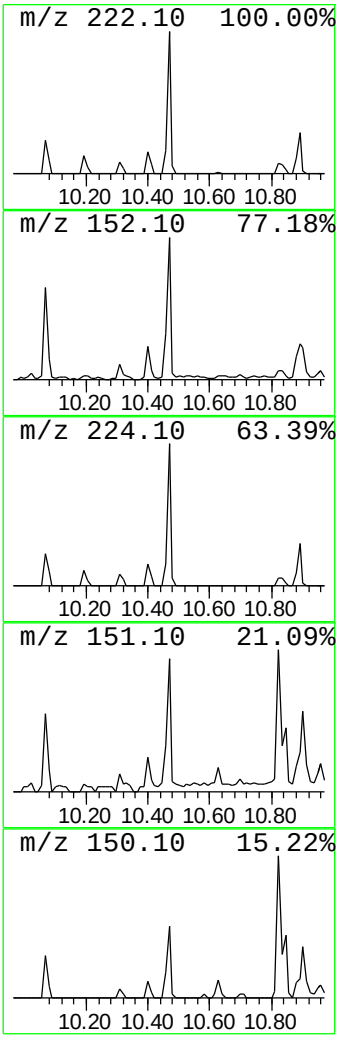
****

Peak Number 5 1,1'-Biphenyl, 4,4'-dichloro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	5.45 ng	171170	Phenanthrene-d10	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	96
2	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	95
3	1,1'-Biphenyl, 3,5-dichloro-	222	C12H8Cl2	034883-41-5	94
4	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	94
5	1,1'-Biphenyl, 2,6-dichloro-	222	C12H8Cl2	033146-45-1	94





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
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Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

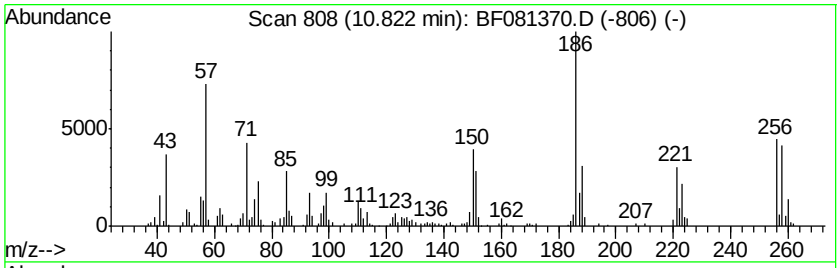
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

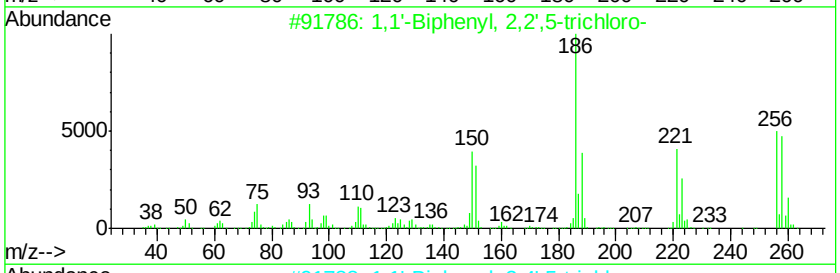
****

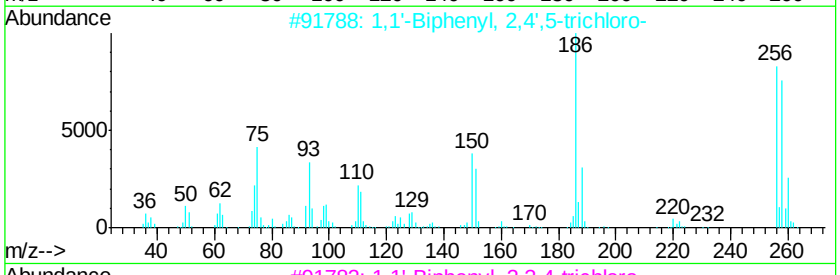
Peak Number 6 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 7

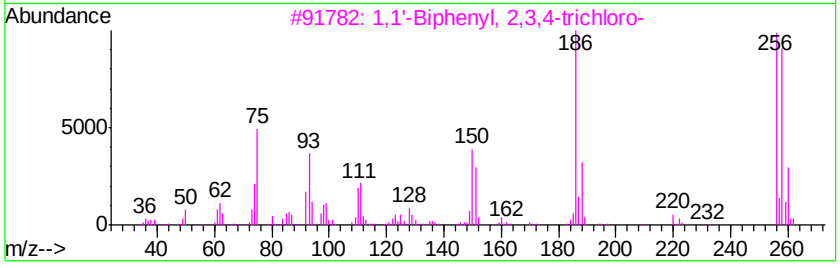
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	11.07 ng	347466	Phenanthrene-d10	10.88

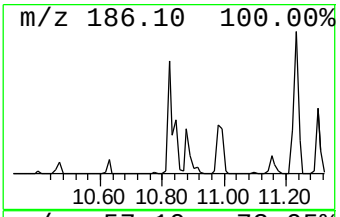
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	96
3	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	92
4	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	83
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	78

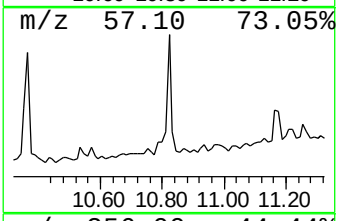


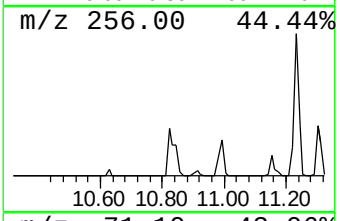


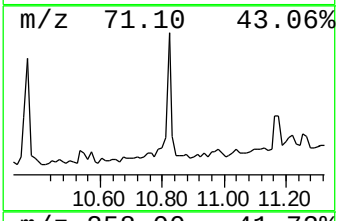


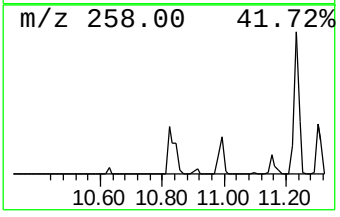












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Data File : BF081370.D
Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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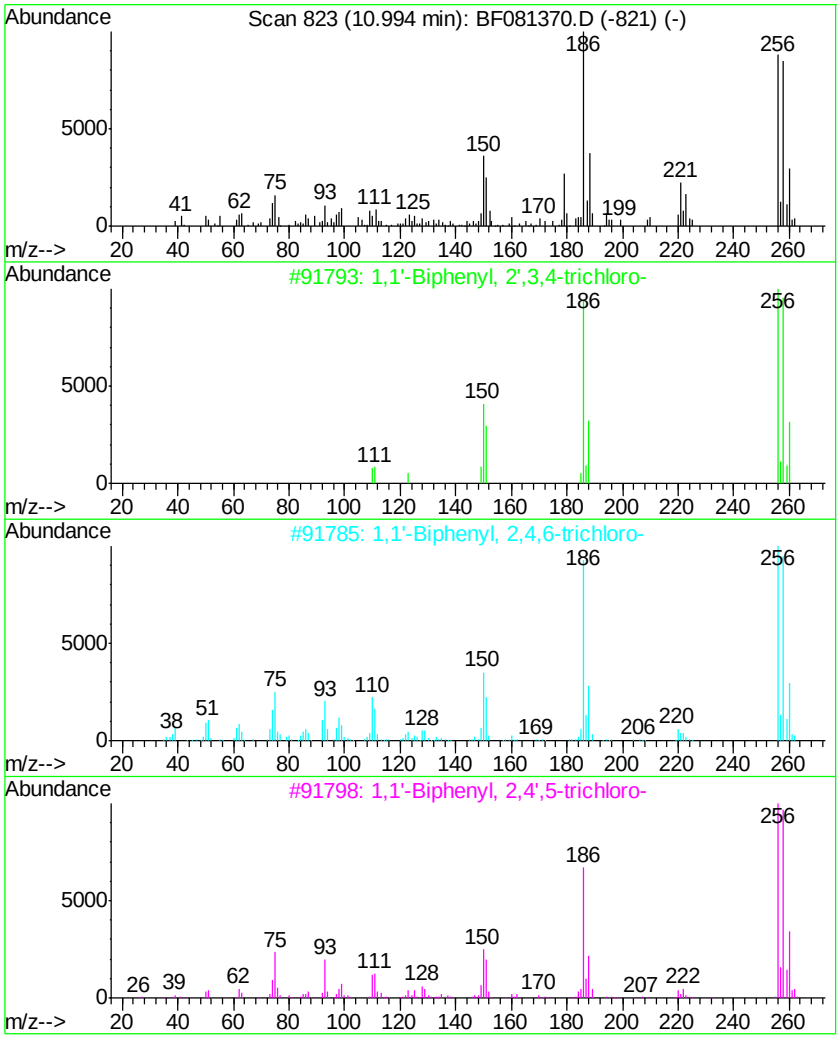
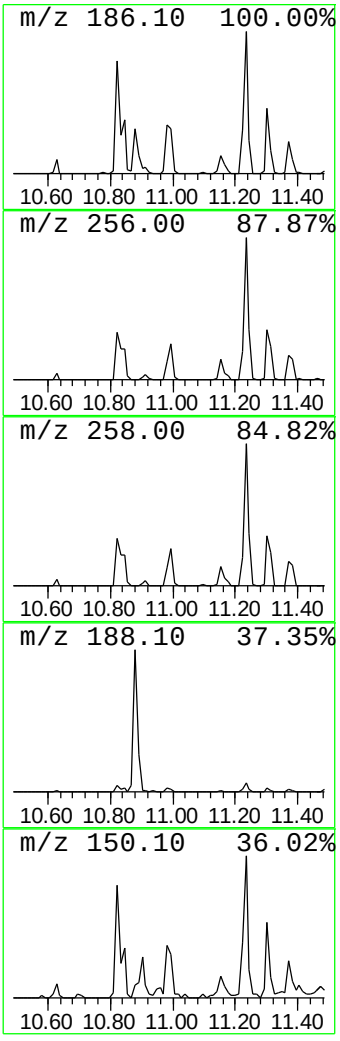
Peak Number 7 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	4.76 ng	149311	Phenanthrene-d10	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	96
2	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	94
3	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	94
4	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	93
5	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	93





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Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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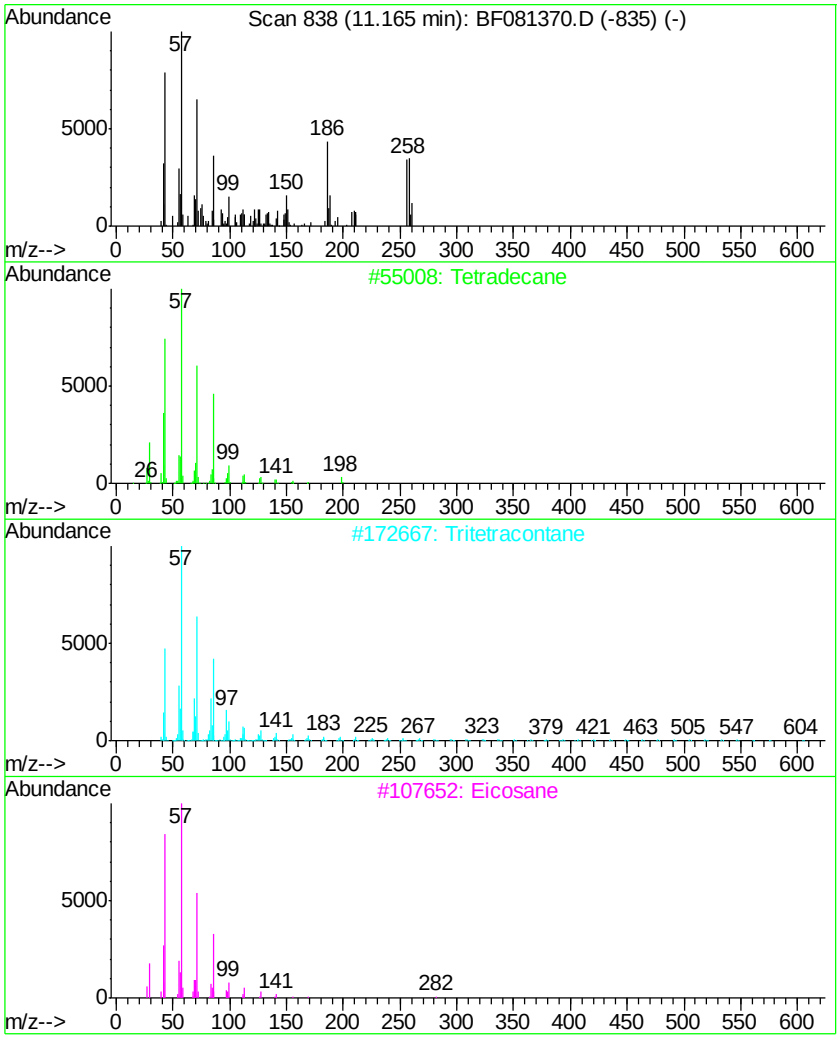
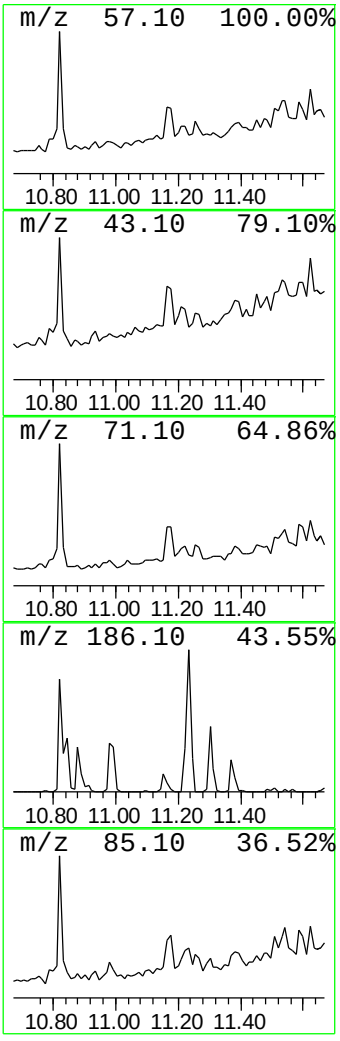
Peak Number 8 unknown11.17 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	2.40 ng	75329	Phenanthrene-d10	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	18
2	Tritetracontane	605	C43H88	007098-21-7	18
3	Eicosane	282	C20H42	000112-95-8	18
4	10-Methylnonadecane	282	C20H42	056862-62-5	18
5	Octacosane	394	C28H58	000630-02-4	18





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Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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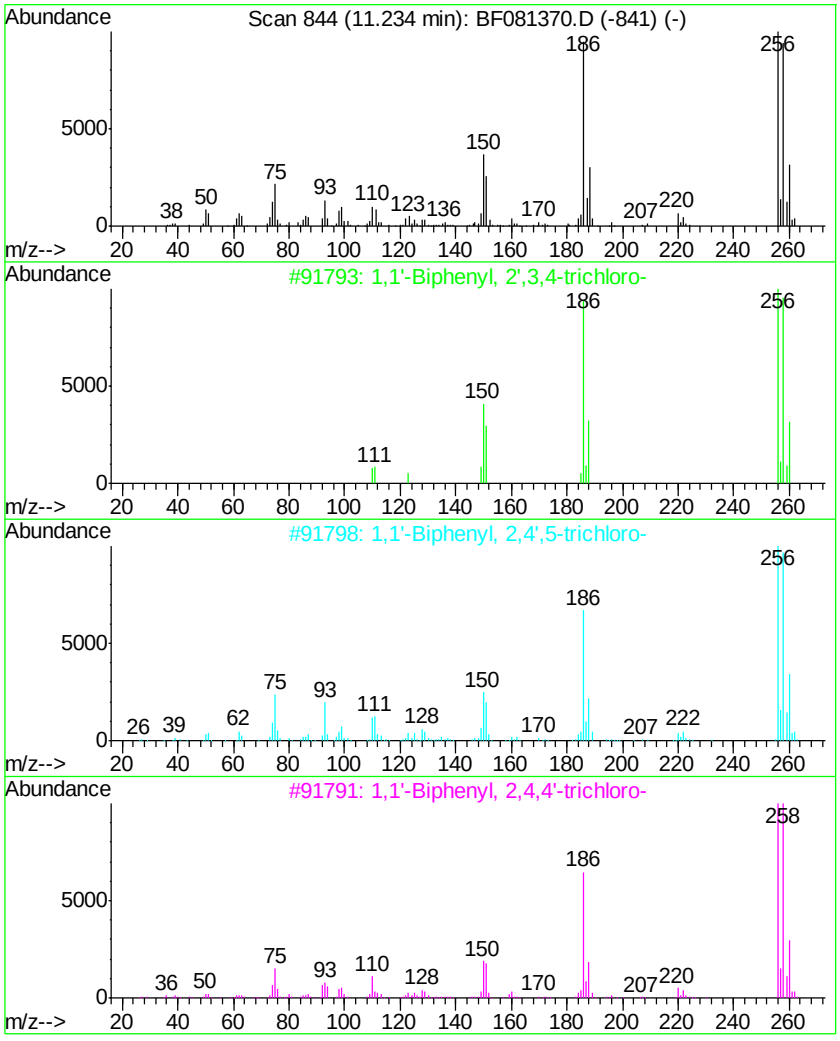
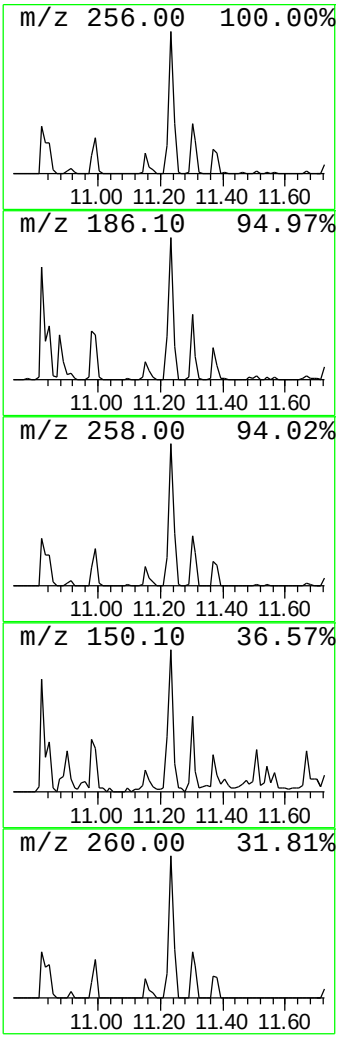
Peak Number 9 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	12.08 ng	379226	Phenanthrene-d10	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	98
4	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	98
5	1,1'-Biphenyl, 2,4,6-trichloro-	256	C12H7Cl3	035693-92-6	96





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
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Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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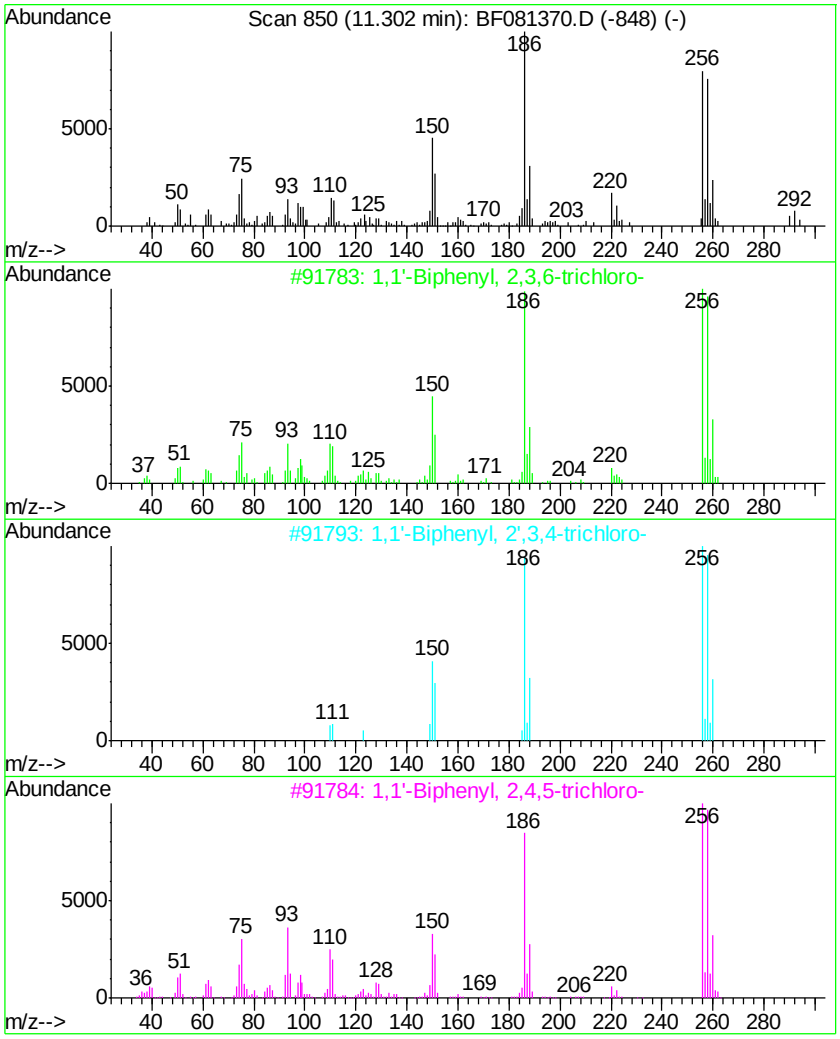
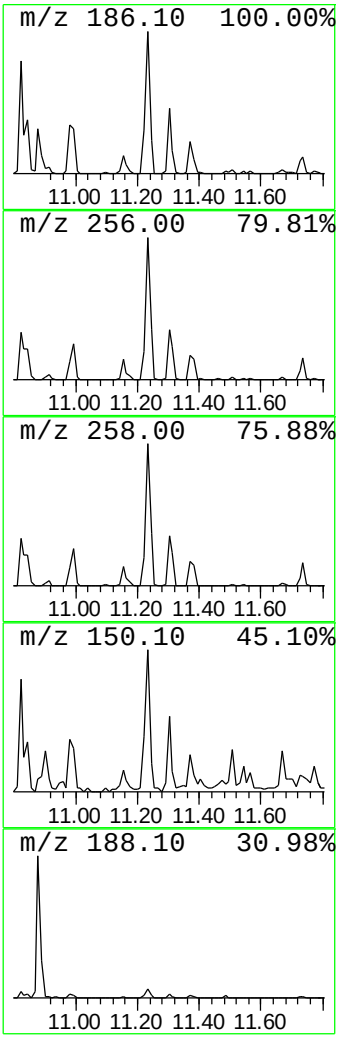
Peak Number 10 1,1'-Biphenyl, 2,3,6-trichl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	5.60 ng	175828	Phenanthrene-d10	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	99
2	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98
3	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	96
4	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	95
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	95





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
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Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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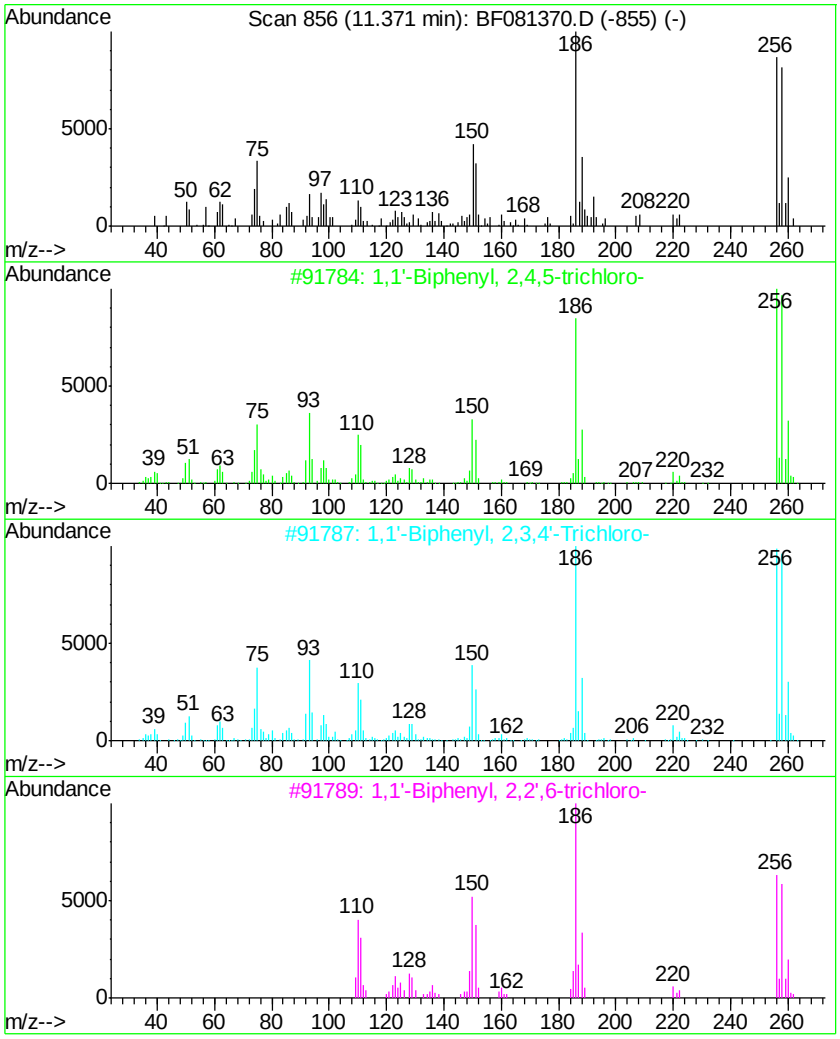
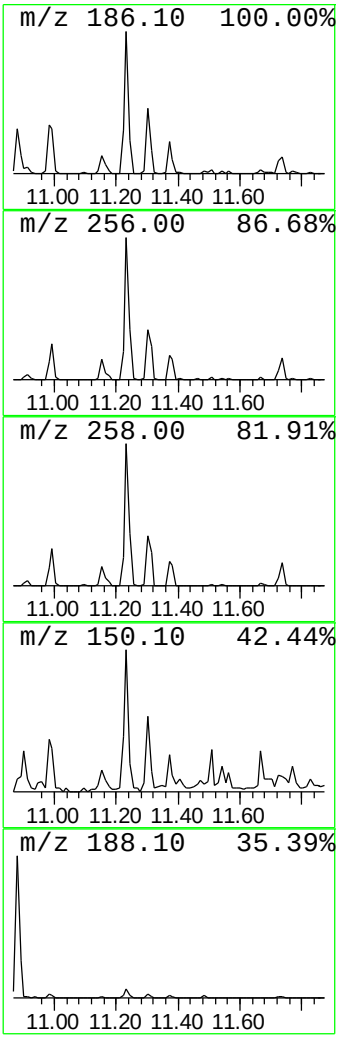
Peak Number 11 1,1'-Biphenyl, 2,2',6-trich... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	3.57 ng	112112	Phenanthrene-d10	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	95
2	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	95
3	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	95
4	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	94
5	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	94





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Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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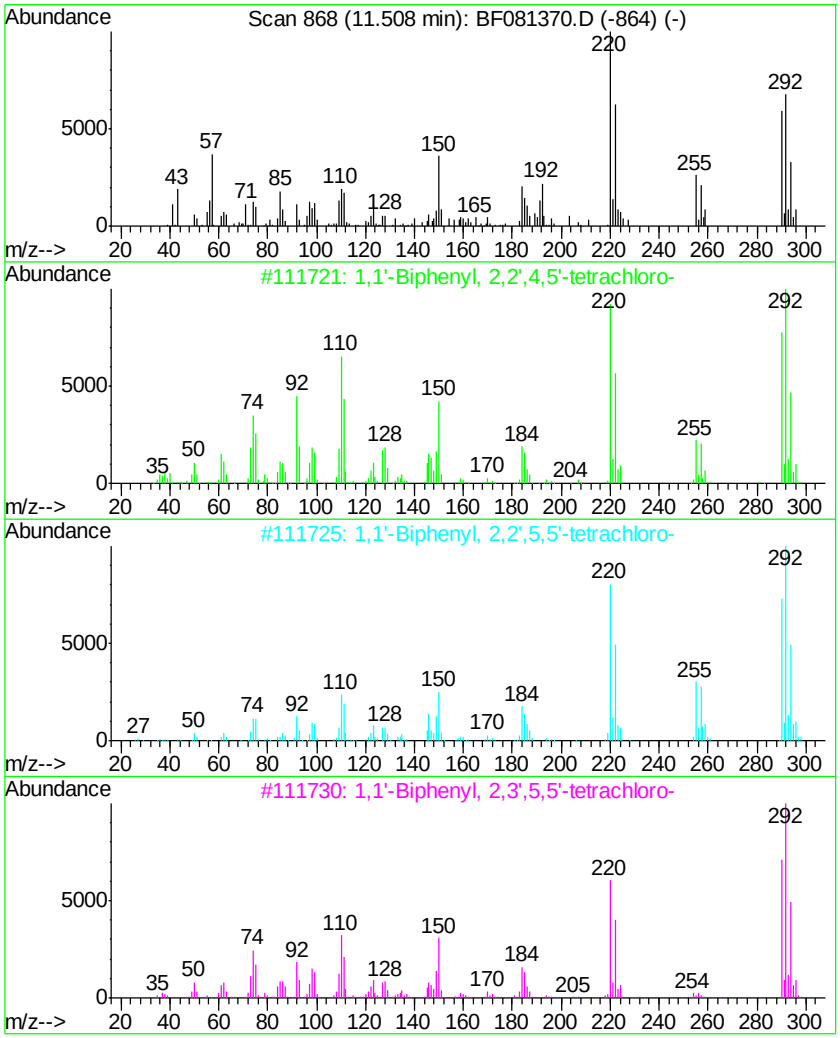
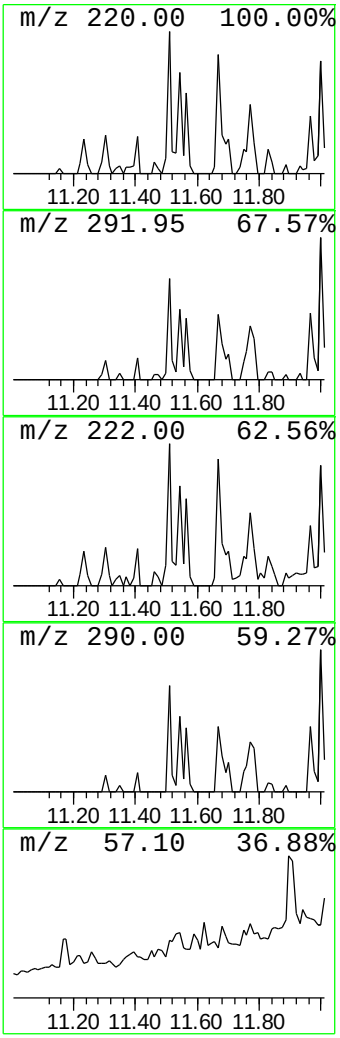
Peak Number 12 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	5.32 ng	166903	Phenanthrene-d10	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99
2	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	97
3	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	96
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	96
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	96





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Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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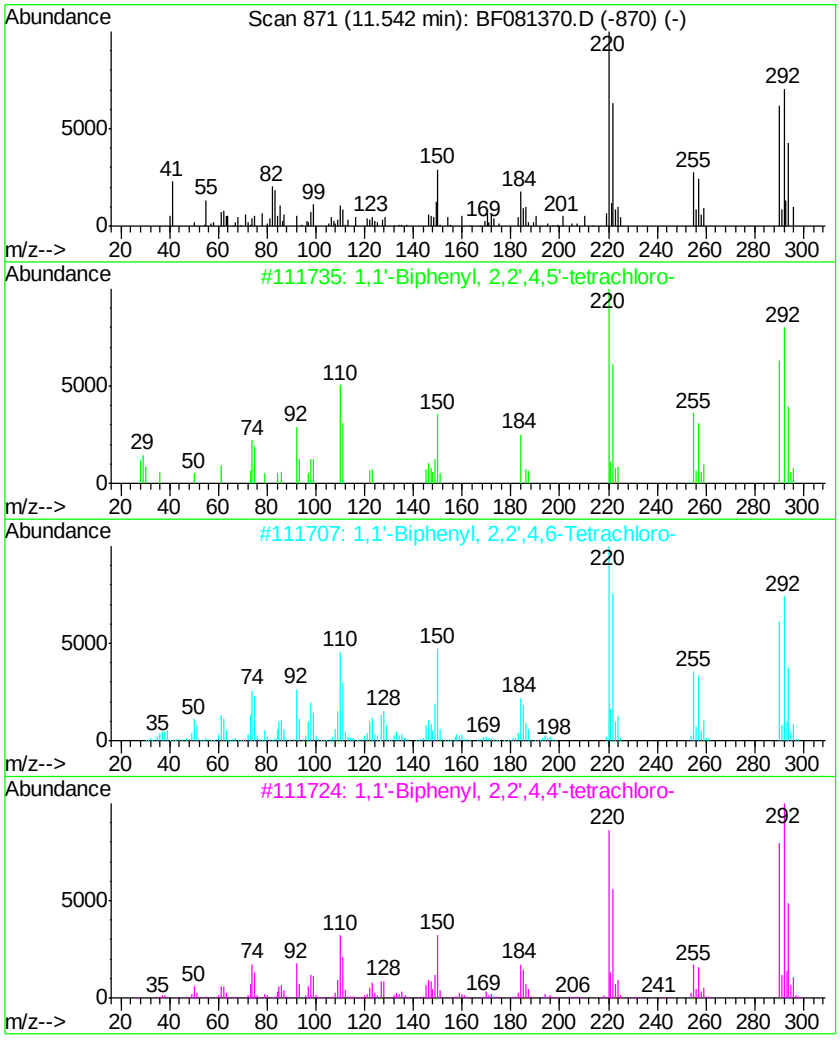
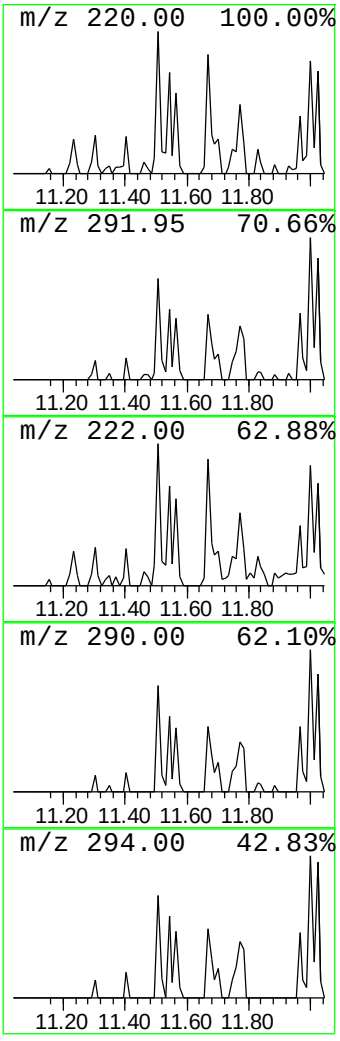
Peak Number 13 1,1'-Biphenyl, 2,2',4,6-Tet... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	2.71 ng	84935	Phenanthrene-d10	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	98
2	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	96
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	95
4	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	94
5	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	94





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
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Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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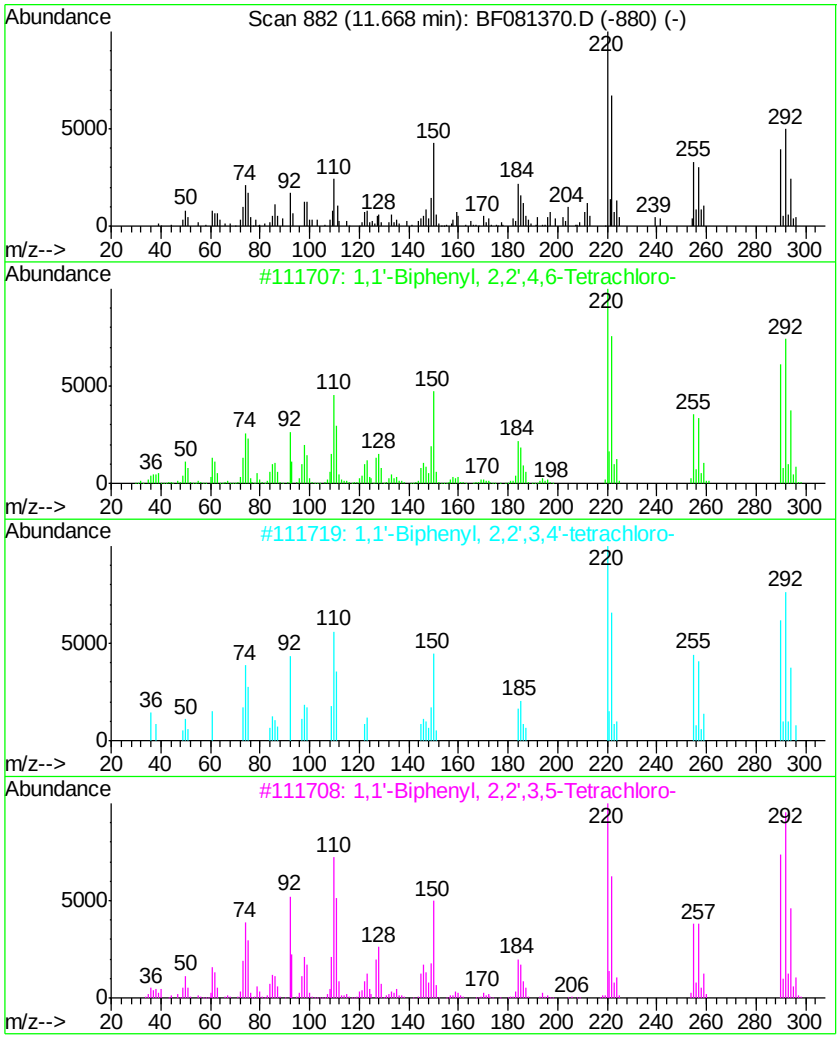
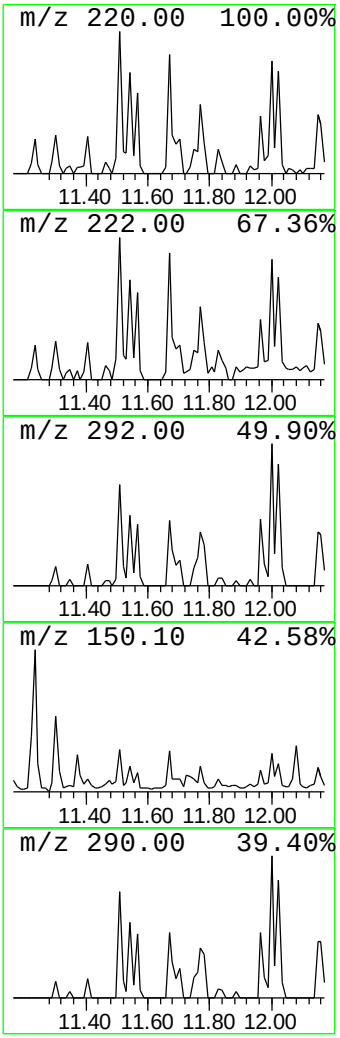
Peak Number 14 1,1'-Biphenyl, 2,2',3,4'-te... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	5.57 ng	175032	Phenanthrene-d10	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	96
2	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	94
3	1,1'-Biphenyl, 2,2',3,5-Tetrachl...	290	C12H6Cl4	070362-46-8	94
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	90
5	1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4	038444-93-8	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
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Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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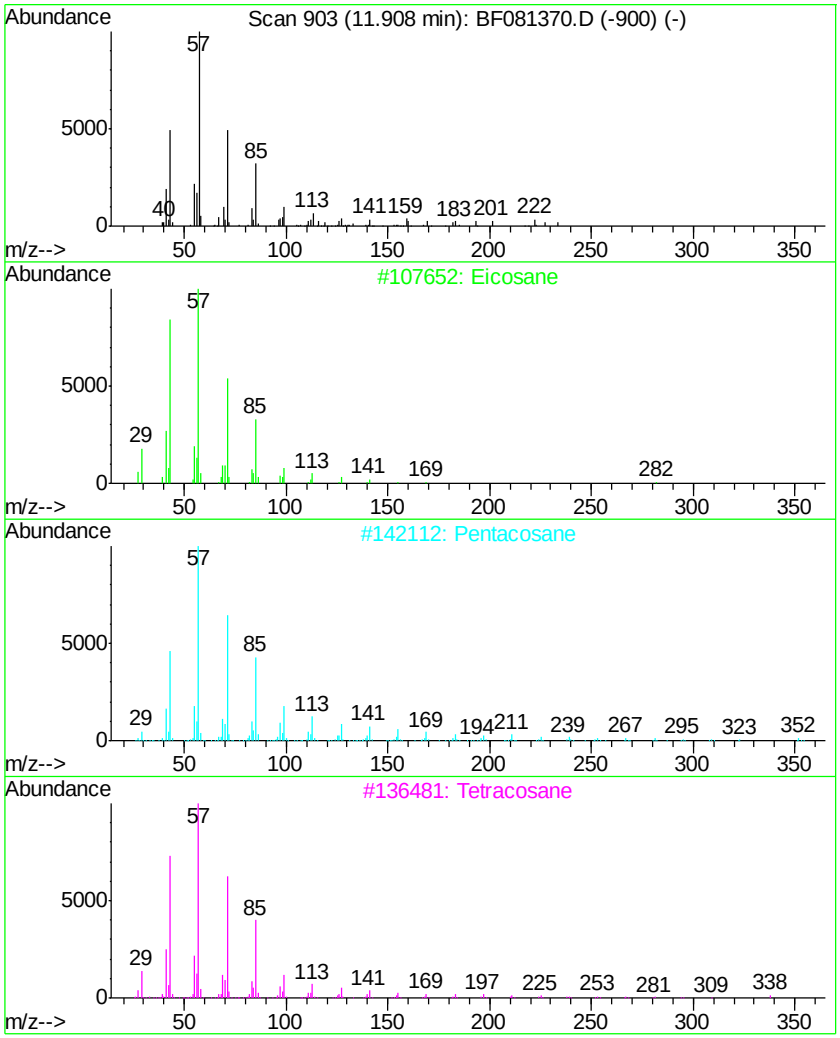
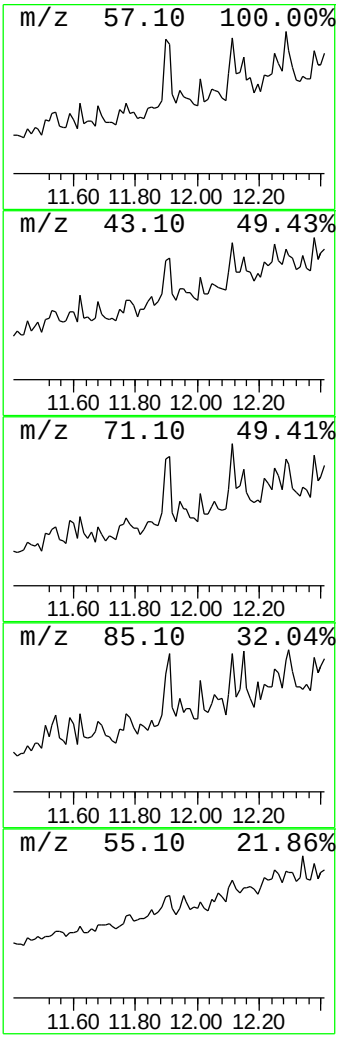
Peak Number 15 Eicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	3.94 ng	123755	Phenanthrene-d10	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	86
2	Pentacosane	352	C25H52	000629-99-2	78
3	Tetracosane	338	C24H50	000646-31-1	72
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	64





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Acq On : 3 Sep 2015 2:25
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Sample : G3490-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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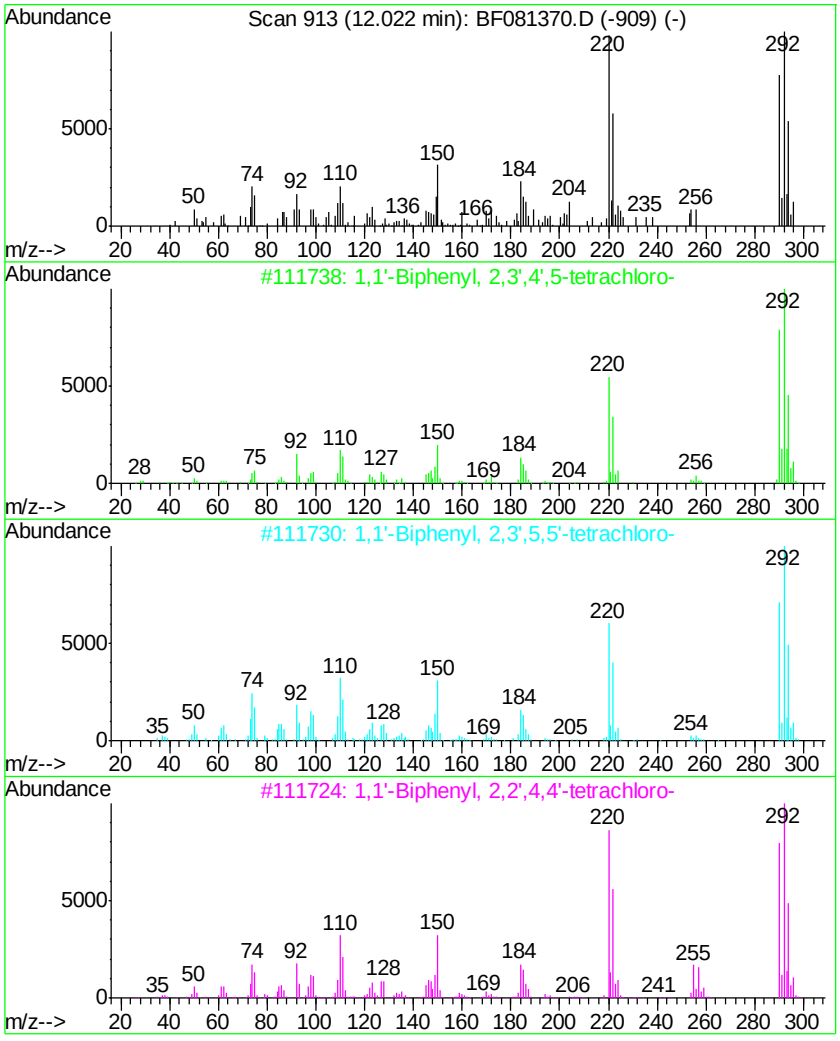
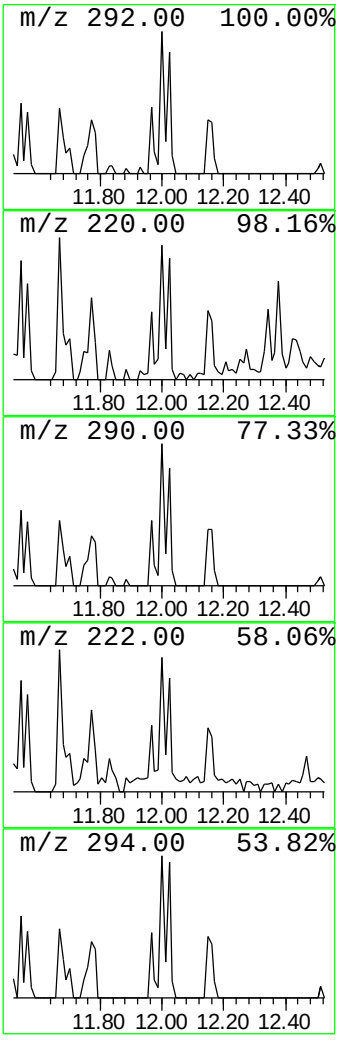
Peak Number 16 1,1'-Biphenyl, 2,3',4',5-te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.62 ng	145124	Phenanthrene-d10	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99
2	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	98
4	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	97
5	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	96





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
Data File : BF081370.D
Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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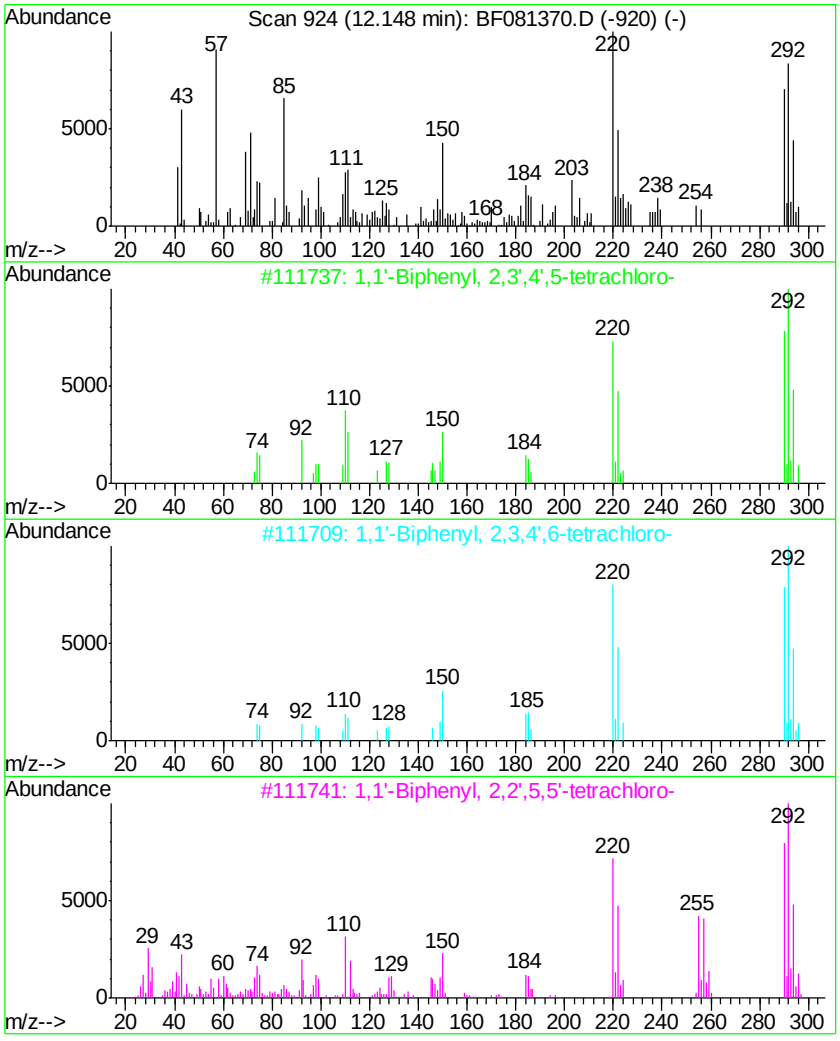
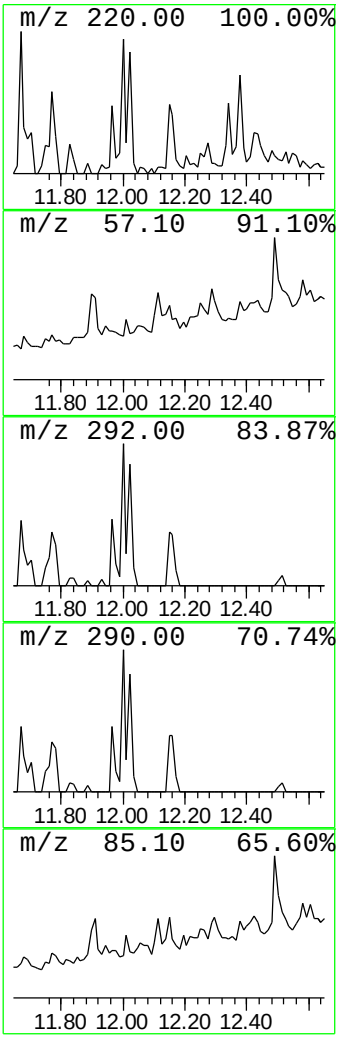
Peak Number 17 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	5.45 ng	170964	Phenanthrene-d10	10.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4',5-tetrach...	290	C12H6Cl4	032598-11-1	99
2	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	98
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	98
4	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	98
5	1,1'-Biphenyl, 2,3,4,4'-tetrachl...	290	C12H6Cl4	033025-41-1	96





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Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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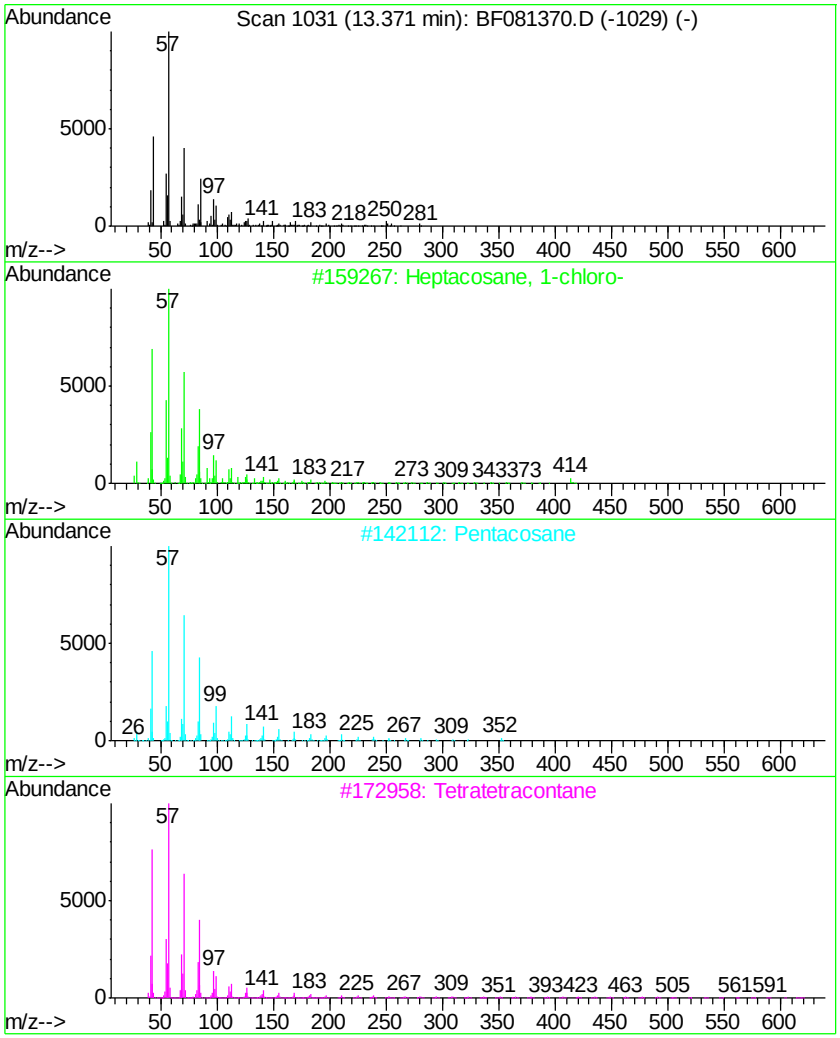
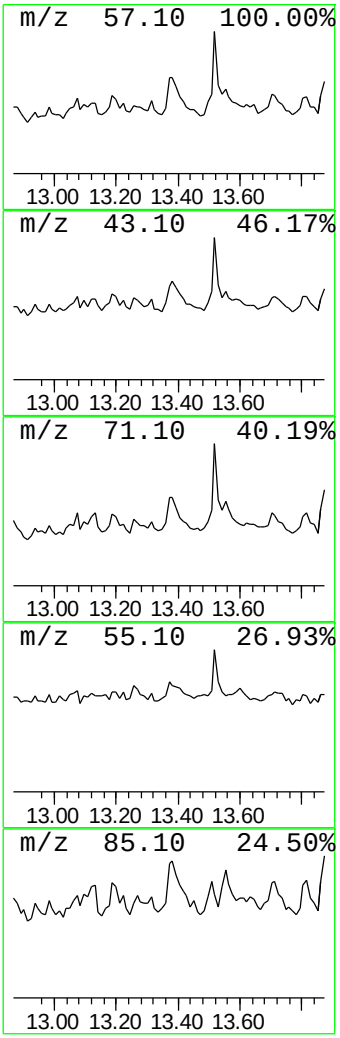
Peak Number 18 Heptacosane, 1-chloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	13.03 ng	272919	Chrysene-d12	13.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	72
2	Pentacosane	352	C25H52	000629-99-2	72
3	Tetratetracontane	619	C44H90	007098-22-8	72
4	Octacosane	394	C28H58	000630-02-4	68
5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	64





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Data File : BF081370.D
Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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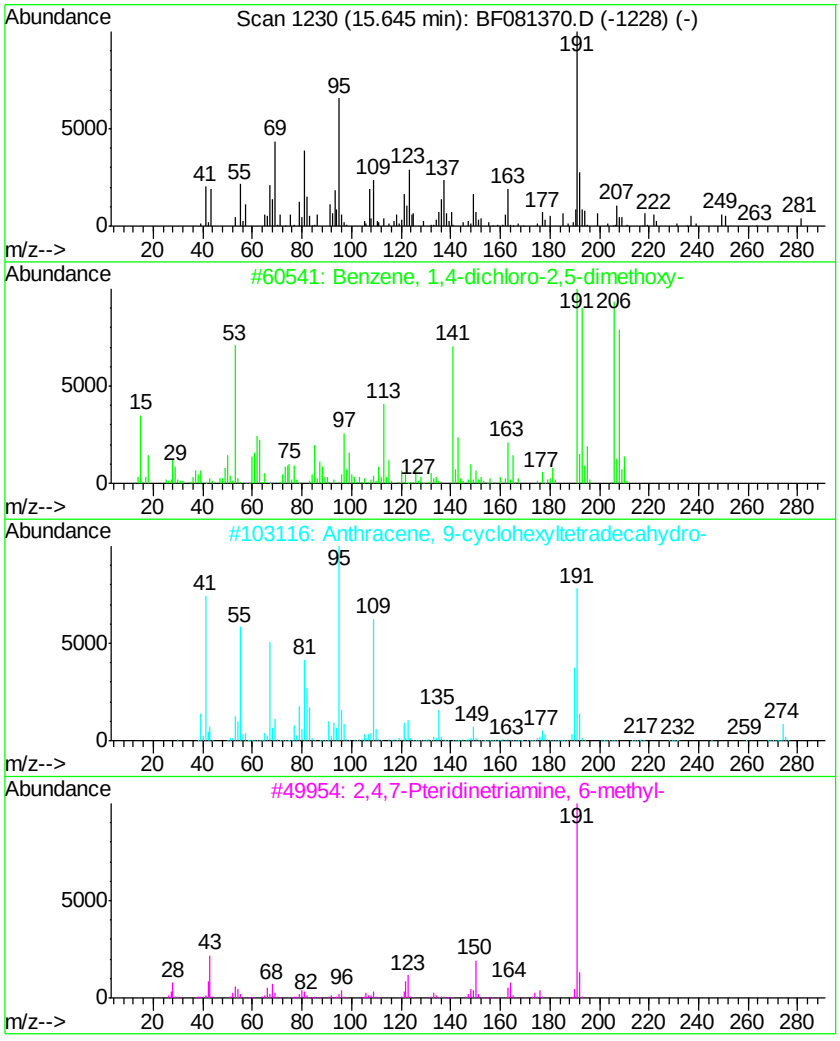
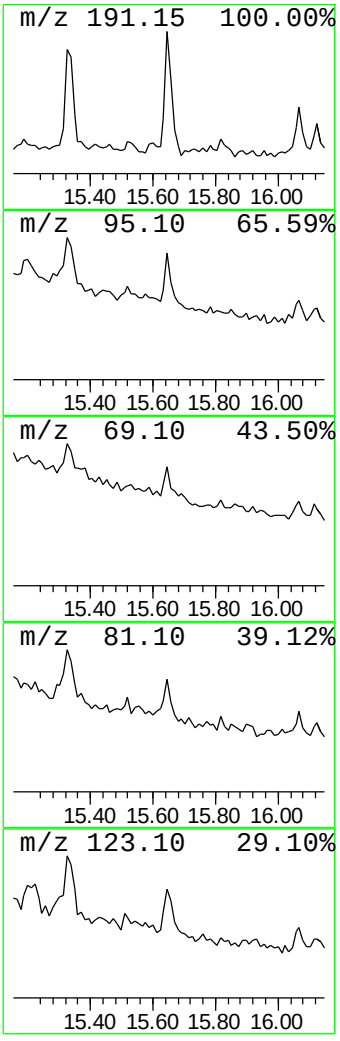
Peak Number 19 unknown15.65 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	16.17 ng	184098	Perylene-d12	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dichloro-2,5-dimeth...	206	C8H8Cl2O2	002675-77-6	38
2	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	38
3	2,4,7-Pteridinetriamine, 6-methyl-	191	C7H9N7	017539-50-3	35
4	2-Fluoro-6-(trifluoromethyl)benz...	192	C8H4F4O	060611-24-7	22
5	1H-Pyrrolo[3,4-c]pyridine-1,3,(2...	191	C9H9N3O2	298688-32-1	22





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
Data File : BF081370.D
Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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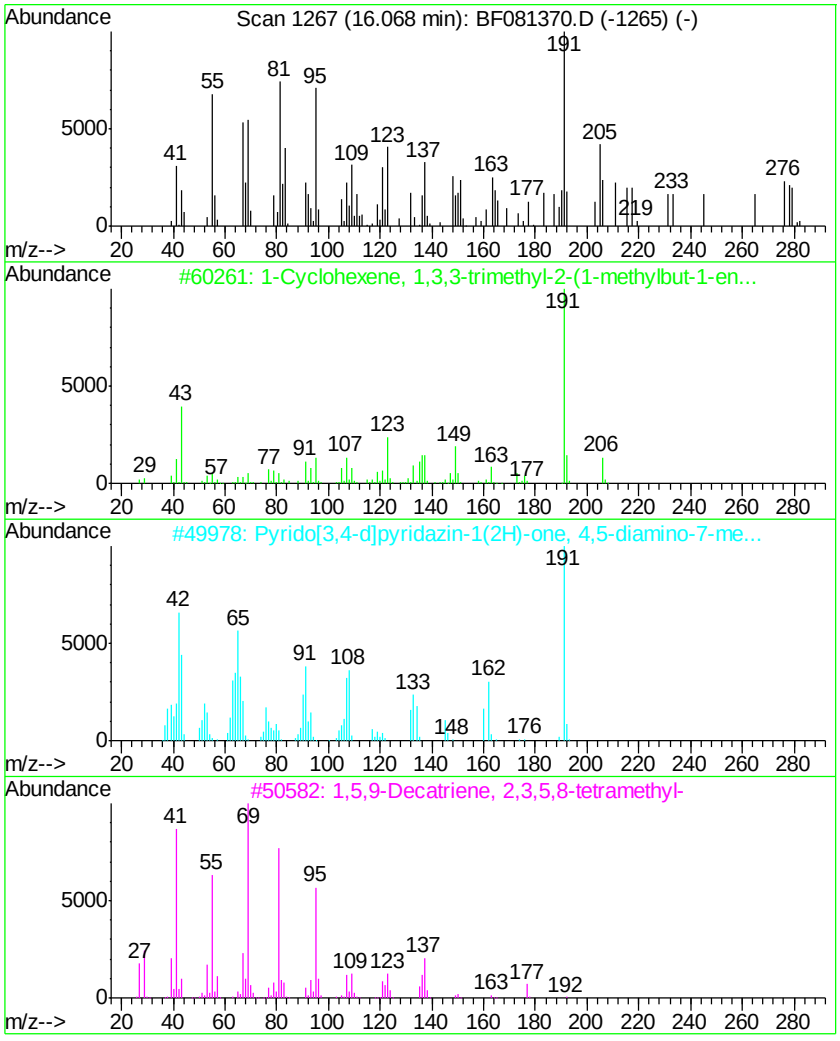
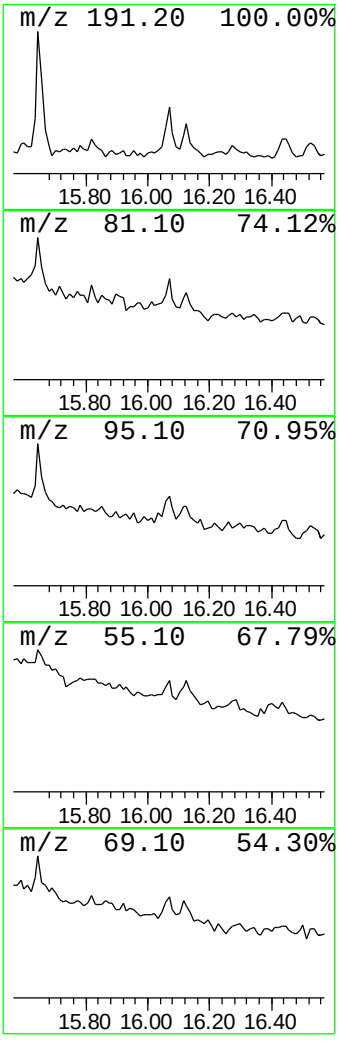
Peak Number 20 unknown16.07 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	3.30 ng	37609	Perylene-d12	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	41
2	Pyrido[3,4-d]pyridazin-1(2H)-one...	191	C8H9N5O	1000263-69-7	25
3	1,5,9-Decatriene, 2,3,5,8-tetram...	192	C14H24	230646-72-7	22
4	Cyclodecene, 3-bromo-	216	C10H17Br	056325-56-5	14
5	2,5,5,8a-Tetramethyl-4-methylene...	206	C14H22O	093175-76-9	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090215\
Data File : BF081370.D
Acq On : 3 Sep 2015 2:25
Operator : UM/IZ
Sample : G3490-01 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 28TP22(4.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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...	4.42	14.4	ng	262460	1	6.39	364170	20.0
unknown6.16	6.16	18.9	ng	344260	1	6.39	364170	20.0
1,1'-Biphenyl, 2,...	10.07	3.9	ng	96814	3	9.42	499260	20.0
1,1'-Biphenyl, 4,...	10.47	5.5	ng	171170	4	10.88	627941	20.0
1,1'-Biphenyl, 2,...	10.82	11.1	ng	347466	4	10.88	627941	20.0
1,1'-Biphenyl, 2'...	10.99	4.8	ng	149311	4	10.88	627941	20.0
unknown11.17	11.17	2.4	ng	75329	4	10.88	627941	20.0
1,1'-Biphenyl, 2,...	11.23	12.1	ng	379226	4	10.88	627941	20.0
1,1'-Biphenyl, 2,...	11.30	5.6	ng	175828	4	10.88	627941	20.0
1,1'-Biphenyl, 2,...	11.37	3.6	ng	112112	4	10.88	627941	20.0
1,1'-Biphenyl, 2,...	11.51	5.3	ng	166903	4	10.88	627941	20.0
1,1'-Biphenyl, 2,...	11.54	2.7	ng	84935	4	10.88	627941	20.0
1,1'-Biphenyl, 2,...	11.67	5.6	ng	175032	4	10.88	627941	20.0
Eicosane	11.91	3.9	ng	123755	4	10.88	627941	20.0
1,1'-Biphenyl, 2,...	12.02	4.6	ng	145124	4	10.88	627941	20.0
1,1'-Biphenyl, 2,...	12.15	5.5	ng	170964	4	10.88	627941	20.0
Heptacosane, 1-ch...	13.37	13.0	ng	272919	5	13.50	418995	20.0
unknown15.65	15.65	16.2	ng	184098	6	14.81	227688	20.0
unknown16.07	16.07	3.3	ng	37609	6	14.81	227688	20.0