LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
Data File : BF092816.D
Acq On : 7 Feb 2017 00:38
Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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	3.481	119	122	127	rVB	34529	64123	1.28%	0.158%
2	4.441	203	206	209	rBV	2096936	2642917	52.70%	6.524%
3	5.116	260	265	267	rBV	2990050	5015323	100.00%	12.380%
4	5.516	298	300	303	rBV	526393	589441	11.75%	1.455%
5	6.556	388	391	393	rBV	2239975	2254393	44.95%	5.565%
6	6.681	400	402	405	rBV	1262343	1119282	22.32%	2.763%
7	6.910	420	422	425	rBV	692685	834971	16.65%	2.061%
8	7.070	434	436	439	rBV	2337060	2147201	42.81%	5.300%
9	7.482	469	472	474	rBV	2043053	1856038	37.01%	4.581%
10	8.202	533	535	536	rBV	1344840	1107988	22.09%	2.735%
11	8.225	536	537	539	rVB	172766	125966	2.51%	0.311%
12	8.910	596	597	601	rVB	111348	98636	1.97%	0.243%
13	9.013	604	606	608	rVB	87243	78447	1.56%	0.194%
14	9.276	626	629	631	rBV	3485374	2998397	59.78%	7.401%
15	9.356	634	636	637	rBV2	46293	52713	1.05%	0.130%
16	9.539	649	652	654	rBV	60012	85978	1.71%	0.212%
17	9.607	657	658	660	rVV	87198	121392	2.42%	0.300%
18	9.665	662	663	665	rVV	251344	277462	5.53%	0.685%
19	9.733	665	669	671	rVV	52431	84697	1.69%	0.209%
20	9.813	674	676	679	rVV	67538	85166	1.70%	0.210%
21	9.882	679	682	684	rVV2	81442	115858	2.31%	0.286%
22	9.950	686	688	690	rVV	781784	1089759	21.73%	2.690%
23	9.985	690	691	693	rVV	272132	239764	4.78%	0.592%
24	10.156	704	706	708	rVV	195946	196164	3.91%	0.484%
25	10.202	708	710	712	rVB2	46233	53078	1.06%	0.131%
26	10.362	722	724	725	rBV	58096	93542	1.87%	0.231%
27	10.385	725	726	727	rVB	103363	71244	1.42%	0.176%
28	10.499	734	736	739	rBV	316584	319697	6.37%	0.789%
29	10.568	739	742	743	rBV2	35384	51096	1.02%	0.126%
30	10.590	743	744	749	rVV3	59100	119118	2.38%	0.294%
31	10.659	749	750	752	rVB	71412	51817	1.03%	0.128%
32	10.739	755	757	759	rBV	93485	109658	2.19%	0.271%
33	10.853	765	767	770	rBV	108794	188245	3.75%	0.465%
34	11.048	781	784	786	rBV3	73136	107673	2.15%	0.266%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
Data File : BF092816.D
Acq On : 7 Feb 2017 00:38
Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.173	793	795	800	rVB5	85066	153200	3.05%	0.378%
36	11.299	803	806	808	rBV2	89926	135210	2.70%	0.334%
37	11.333	808	809	812	rVB	132892	154430	3.08%	0.381%
38	11.448	816	819	820	rBV	797995	1219082	24.31%	3.009%
39	11.471	820	821	822	rVV	1637151	1153329	23.00%	2.847%
40	11.516	822	825	827	rVB	471414	428716	8.55%	1.058%
41	11.676	835	839	841	rBV	139816	215051	4.29%	0.531%
42	11.733	842	844	846	rVV	110083	106124	2.12%	0.262%
43	11.939	860	862	864	rBV	116368	178460	3.56%	0.441%
44	11.973	864	865	867	rVV	232573	180531	3.60%	0.446%
45	12.019	867	869	871	rVV	128174	149166	2.97%	0.368%
46	12.053	871	872	876	rVB2	272294	376133	7.50%	0.928%
47	12.133	877	879	881	rVV2	40995	68215	1.36%	0.168%
48	12.236	886	888	892	rVB2	107519	174313	3.48%	0.430%
49	12.499	908	911	912	rBV	85442	141878	2.83%	0.350%
50	12.534	912	914	917	rBV	73562	140815	2.81%	0.348%
51	12.579	917	918	920	rBV2	61175	77944	1.55%	0.192%
52	12.659	922	925	927	rVV	1690980	1516185	30.23%	3.742%
53	12.716	927	930	932	rVV2	25429	63709	1.27%	0.157%
54	12.888	942	945	947	rBV	1345112	1442790	28.77%	3.561%
55	13.025	955	957	960	rVB	1702936	2155923	42.99%	5.322%
56	13.105	960	964	966	rBV2	105025	179994	3.59%	0.444%
57	13.219	971	974	975	rBV	140474	196161	3.91%	0.484%
58	13.276	978	979	981	rBV	171493	221446	4.42%	0.547%
59	13.928	1034	1036	1038	rBV	162653	193849	3.87%	0.478%
60	14.088	1046	1050	1056	rBV2	1033242	2462892	49.11%	6.079%
61	14.191	1058	1059	1060	rBV	148128	125858	2.51%	0.311%
62	15.117	1138	1140	1144	rBV	354747	883682	17.62%	2.181%
63	15.482	1170	1172	1175	rBV	362404	544832	10.86%	1.345%
64	15.540	1175	1177	1185	rVB2	471316	1025586	20.45%	2.532%

Sum of corrected areas: 40512748

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
Data File : BF092816.D
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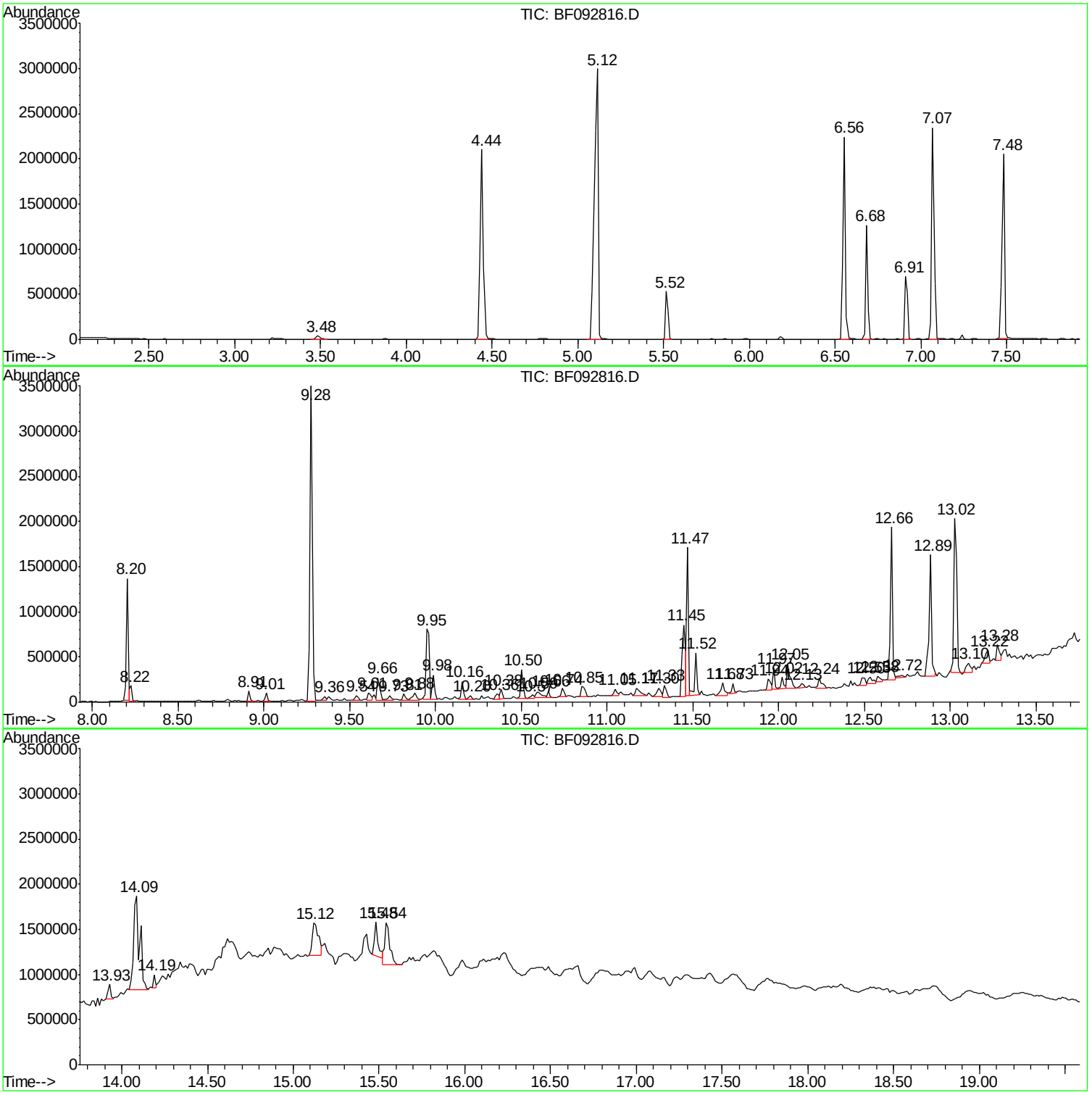
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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\BF020617\
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Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

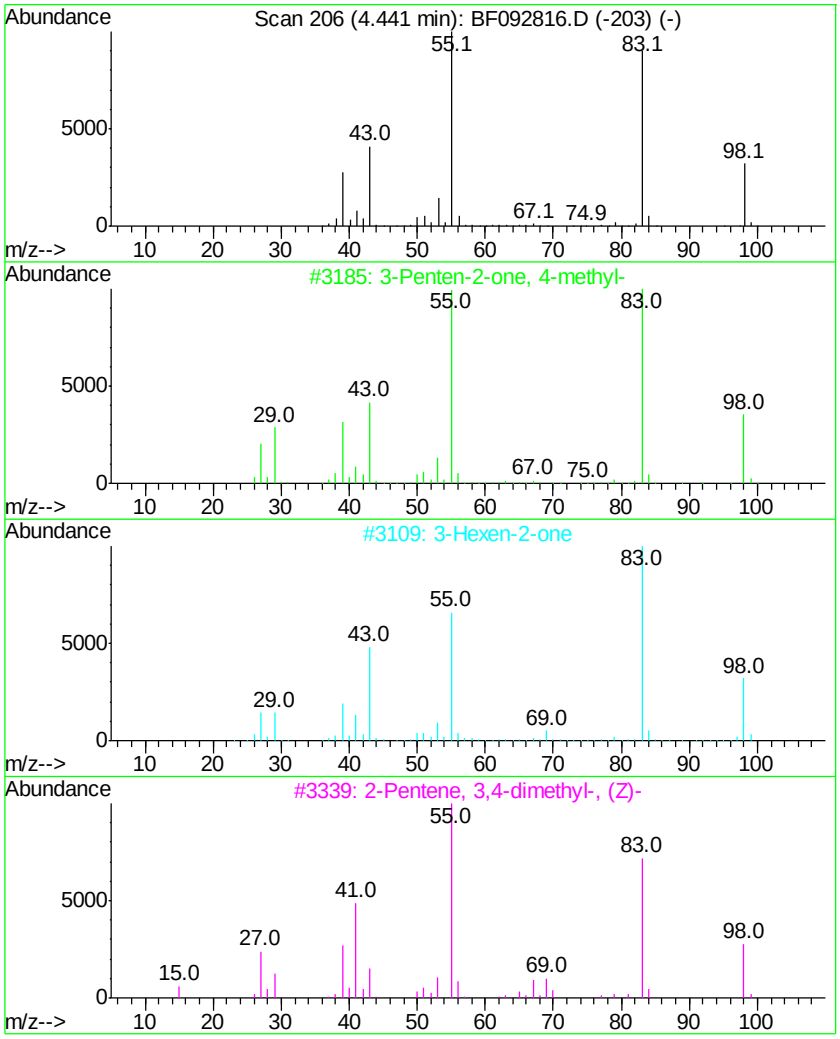
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

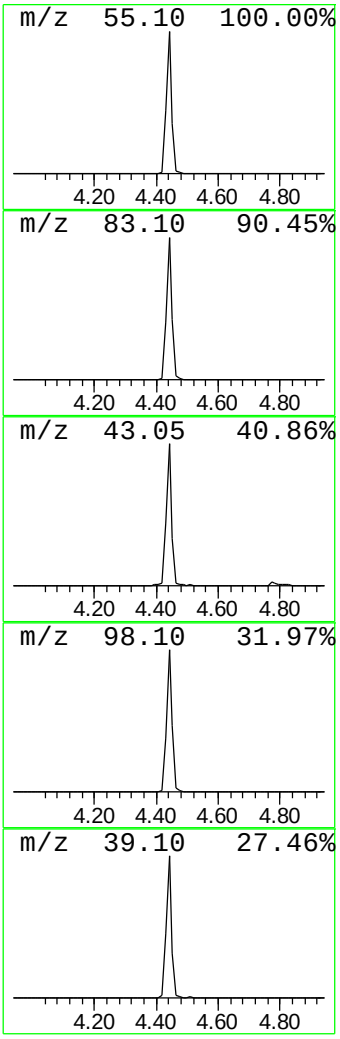
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.44	63.31 ng	2642920	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	95
2	3-Hexen-2-one	98	C6H10O	000763-93-9	87
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
4	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	86
5	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
Data File : BF092816.D
Acq On : 7 Feb 2017 00:38
Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

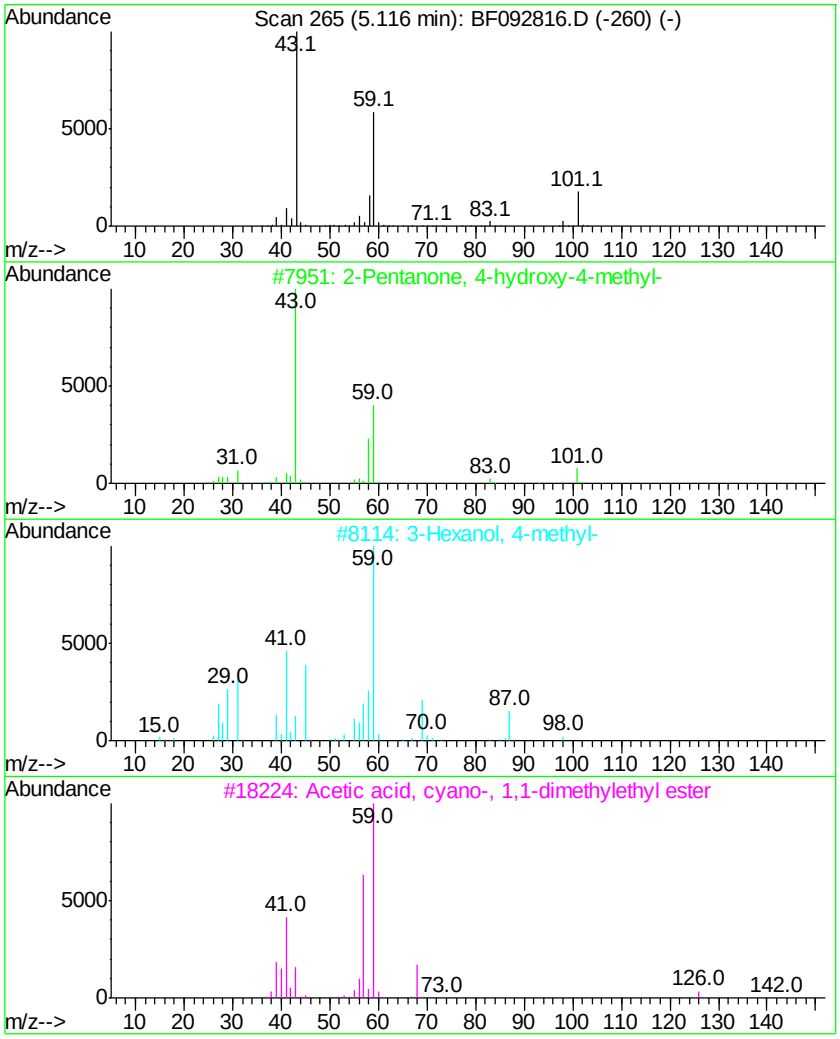
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

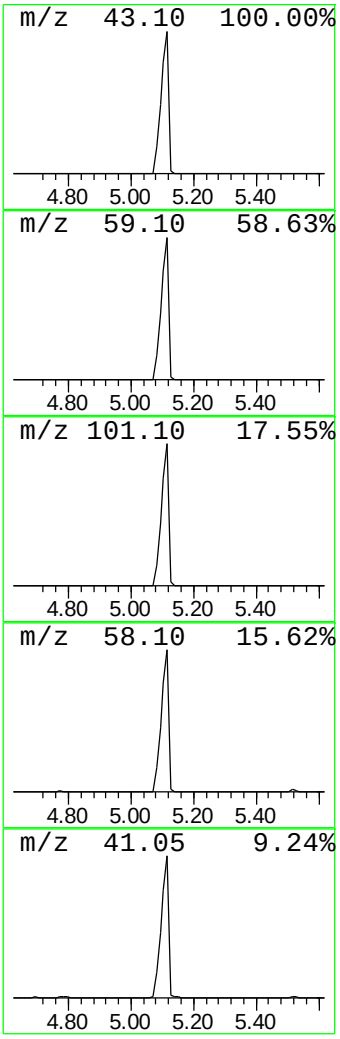
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	120.13 ng	5015320	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
Data File : BF092816.D
Acq On : 7 Feb 2017 00:38
Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

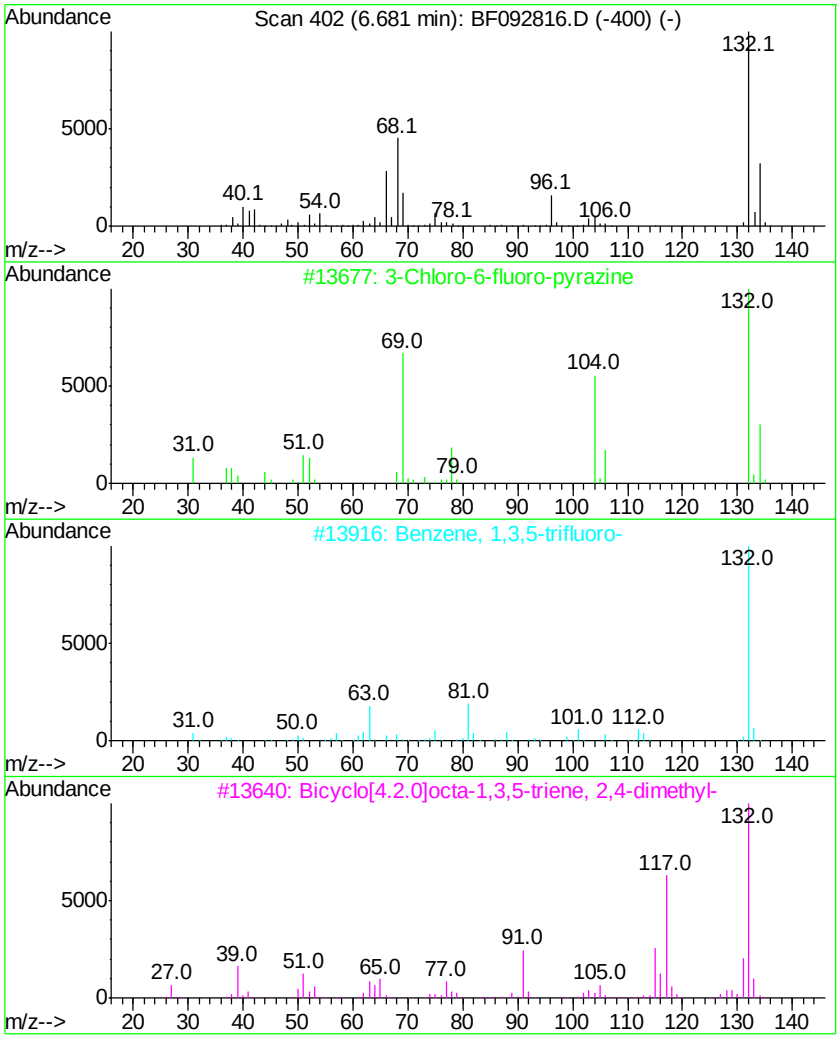
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

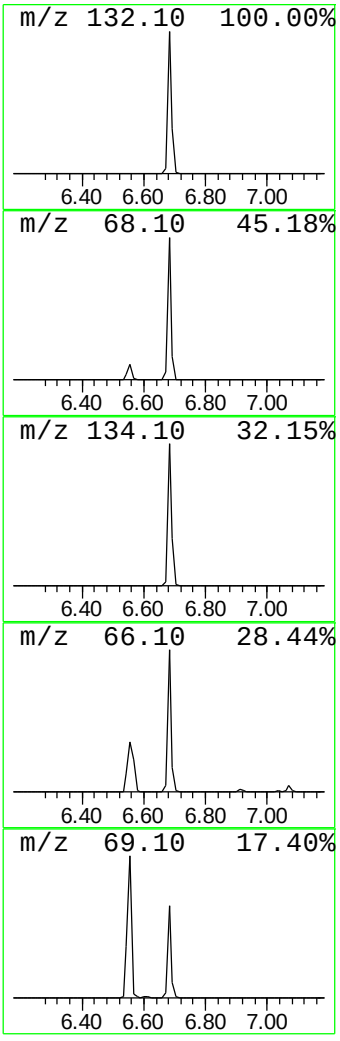
****

Peak Number 3 unknown6.68 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	26.81 ng	1119280	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
Data File : BF092816.D
Acq On : 7 Feb 2017 00:38
Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

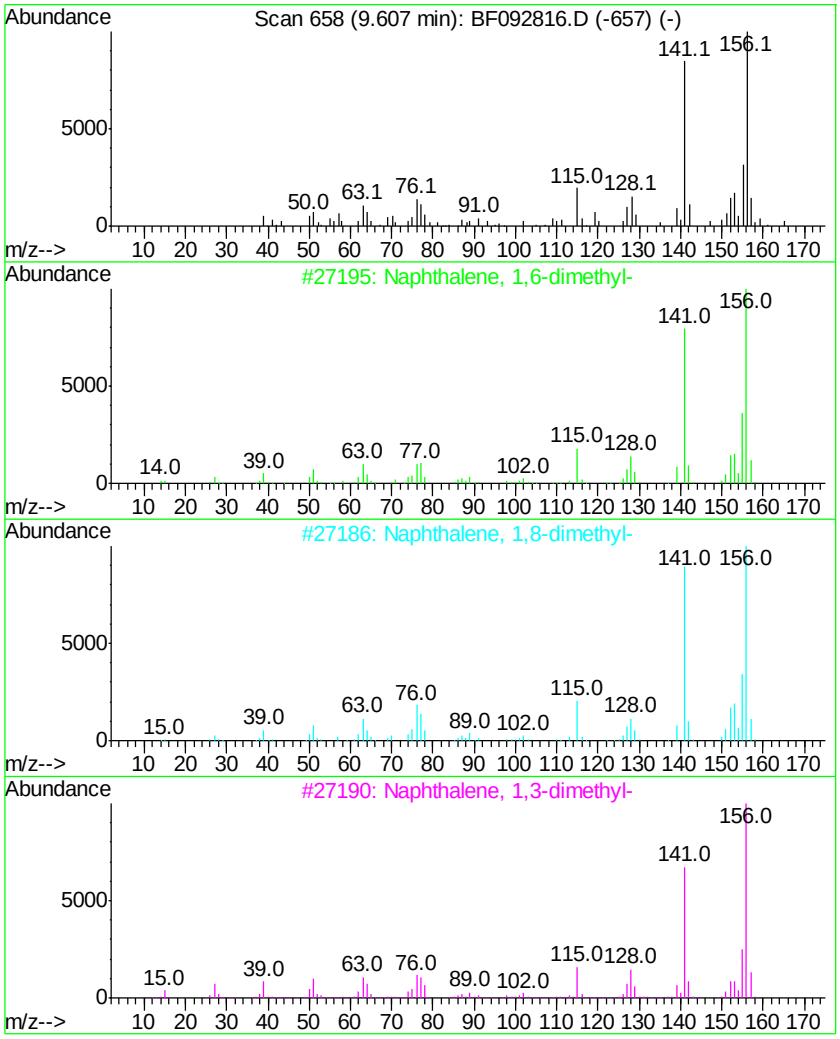
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

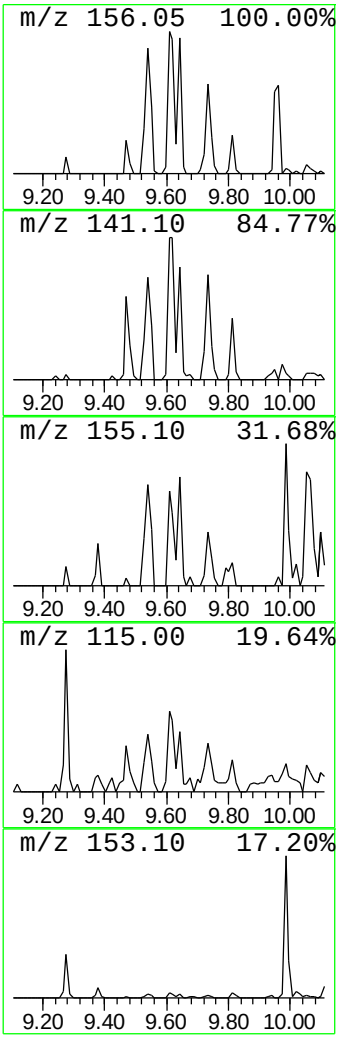
****

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	2.23 ng	121392	Acenaphthene-d10	9.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	98
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
Data File : BF092816.D
Acq On : 7 Feb 2017 00:38
Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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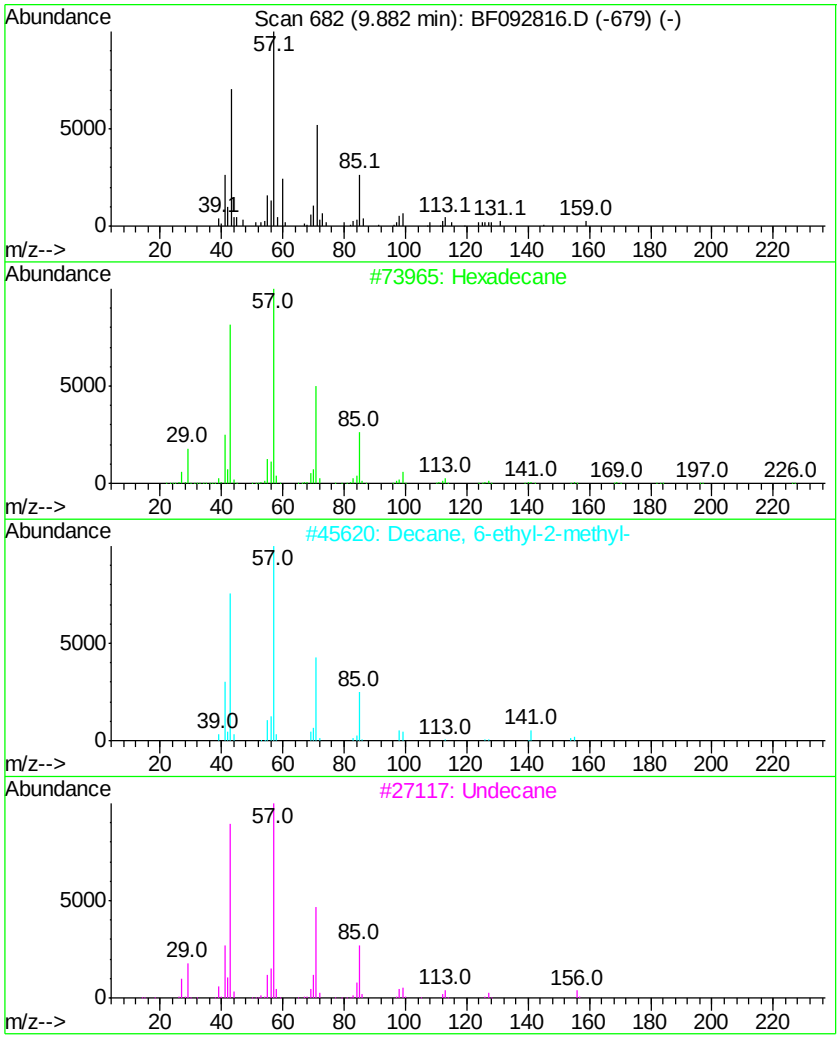
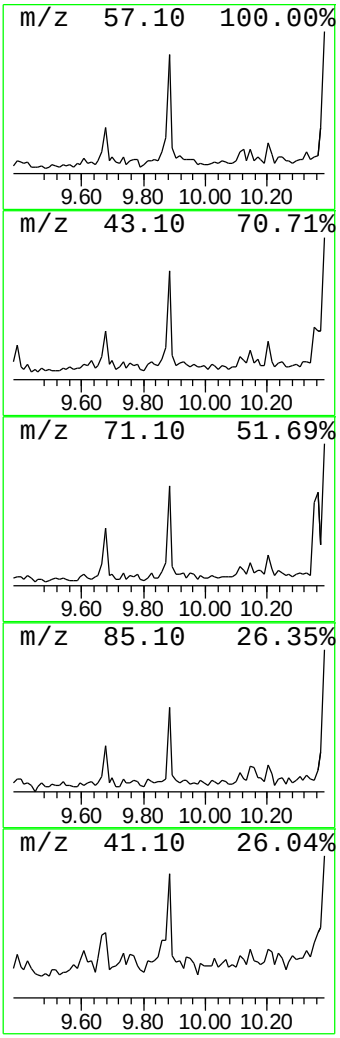
Peak Number 6 Hexadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	2.13 ng	115858	Acenaphthene-d10	9.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	58
2	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	53
3	Undecane	156	C11H24	001120-21-4	53
4	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	53
5	Eicosane	282	C20H42	000112-95-8	52





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
Data File : BF092816.D
Acq On : 7 Feb 2017 00:38
Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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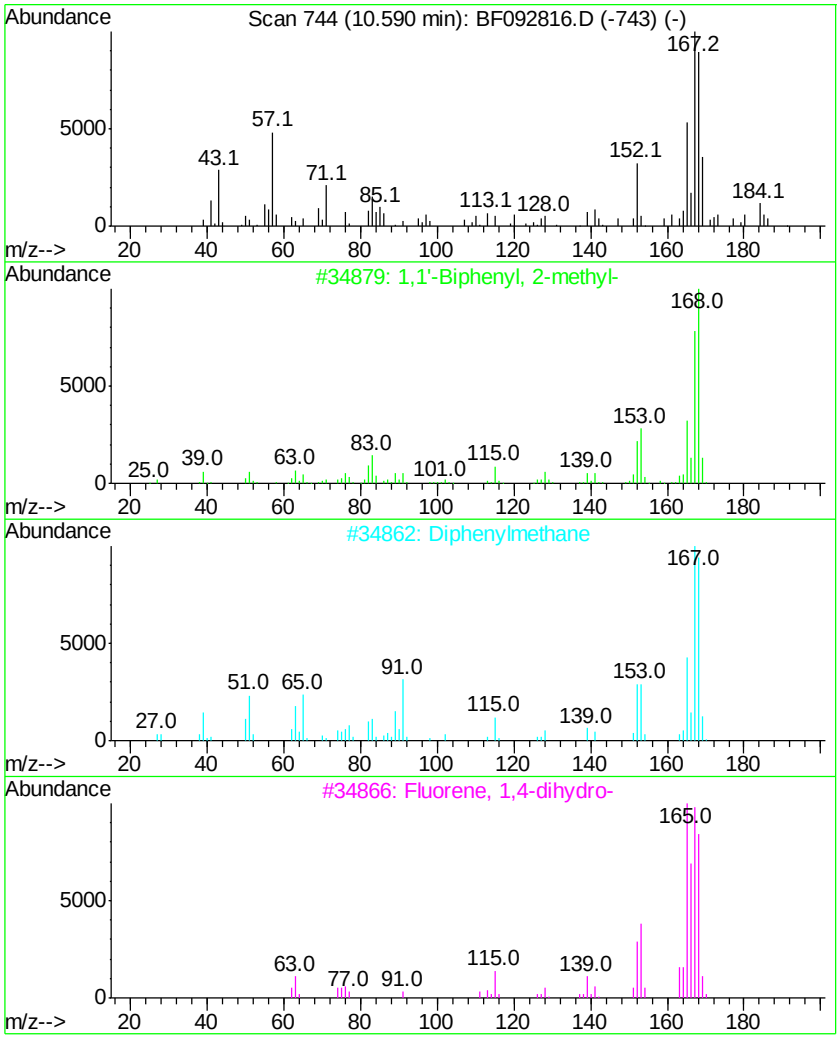
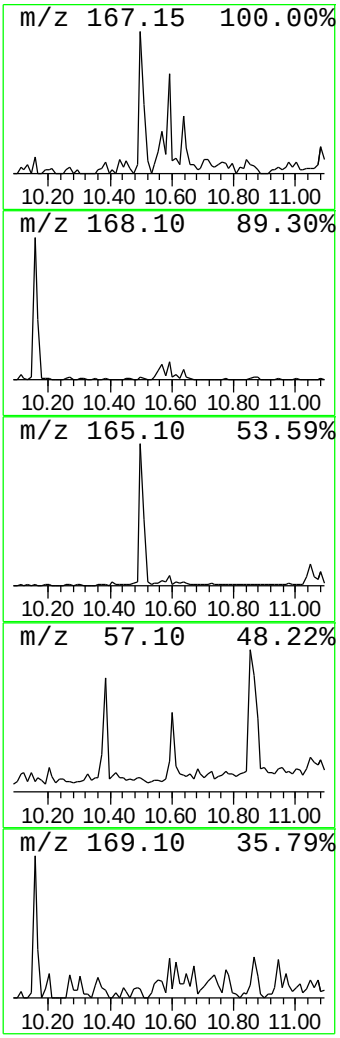
Peak Number 7 1,1'-Biphenyl, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	2.19 ng	119118	Acenaphthene-d10	9.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	70
2	Diphenylmethane	168	C13H12	000101-81-5	58
3	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	52
4	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	50
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
Data File : BF092816.D
Acq On : 7 Feb 2017 00:38
Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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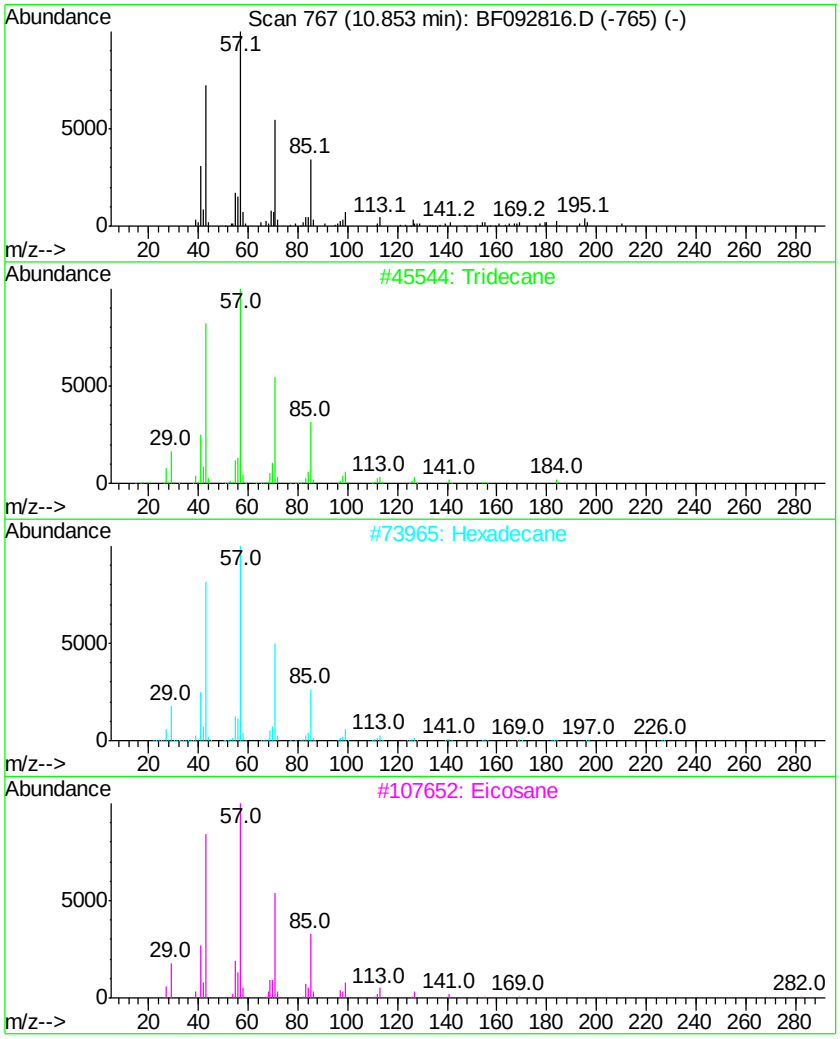
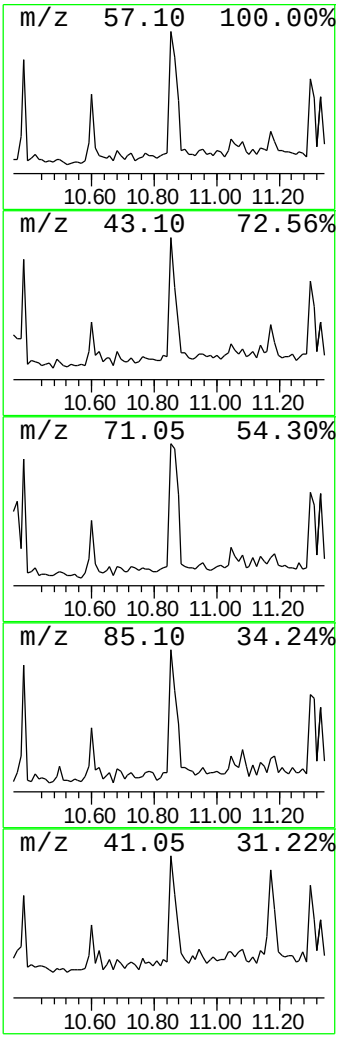
Peak Number 8 Tridecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	3.09 ng	188245	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Hexadecane	226	C16H34	000544-76-3	83
3	Eicosane	282	C20H42	000112-95-8	80
4	Pentadecane	212	C15H32	000629-62-9	80
5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
Data File : BF092816.D
Acq On : 7 Feb 2017 00:38
Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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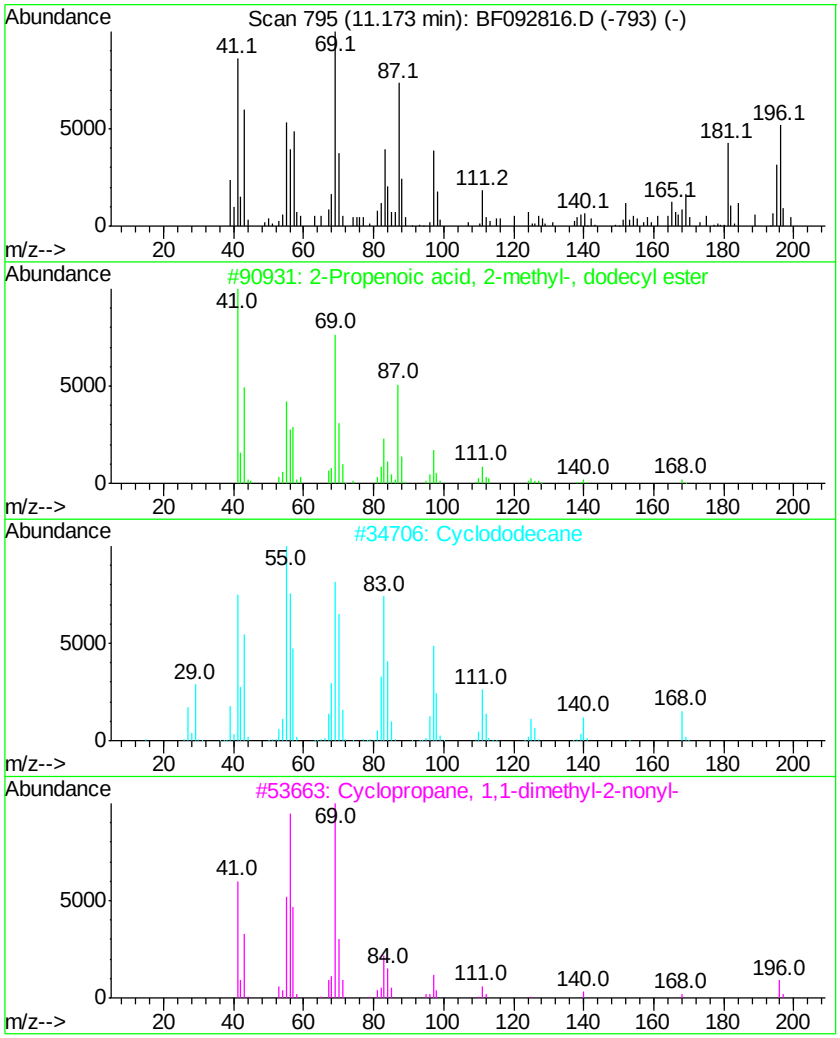
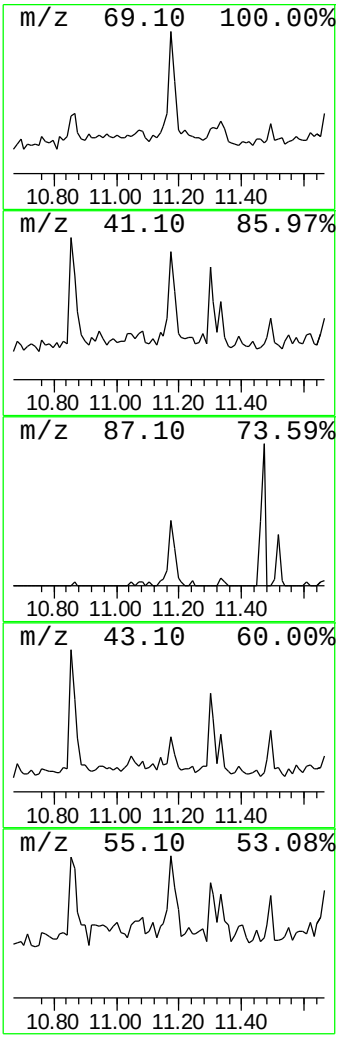
Peak Number 9 2-Propenoic acid, 2-methyl-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	2.51 ng	153200	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoic acid, 2-methyl-, dod...	254	C16H30O2	000142-90-5	62
2	Cyclododecane	168	C12H24	000294-62-2	45
3	Cyclopropane, 1,1-dimethyl-2-nonyl-	196	C14H28	041977-38-2	43
4	1-Tridecene	182	C13H26	002437-56-1	41
5	7-Tetradecene	196	C14H28	010374-74-0	38





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Data File : BF092816.D
Acq On : 7 Feb 2017 00:38
Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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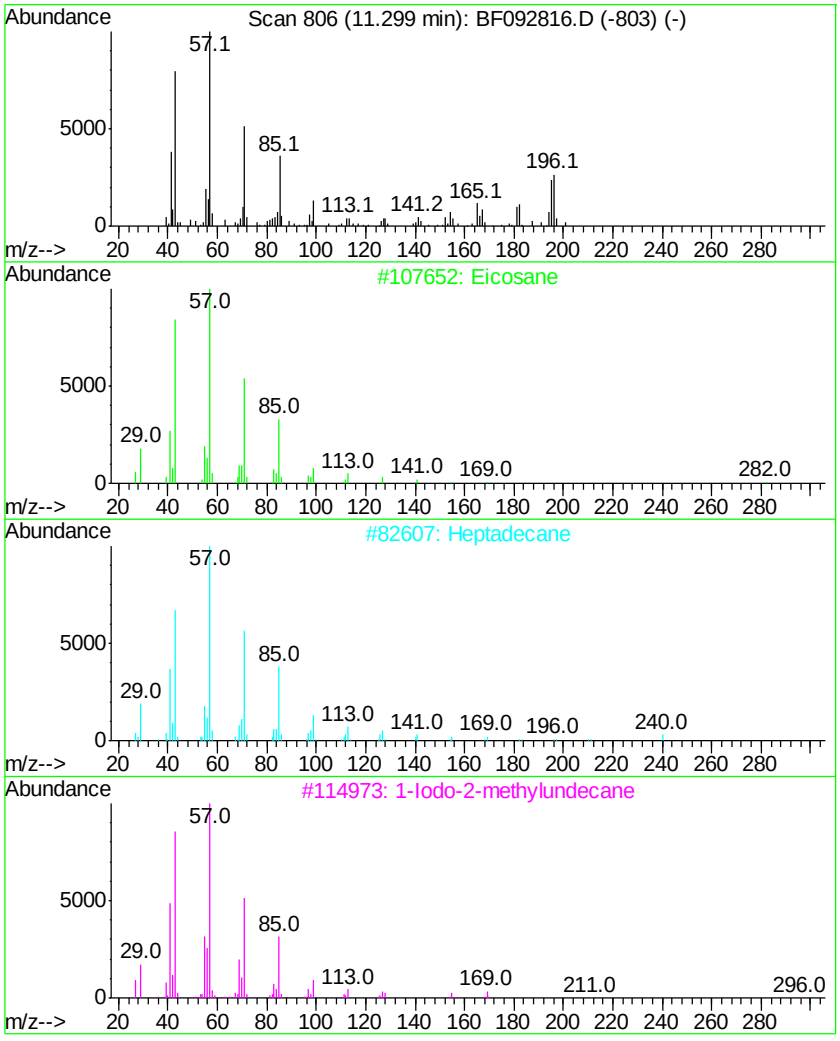
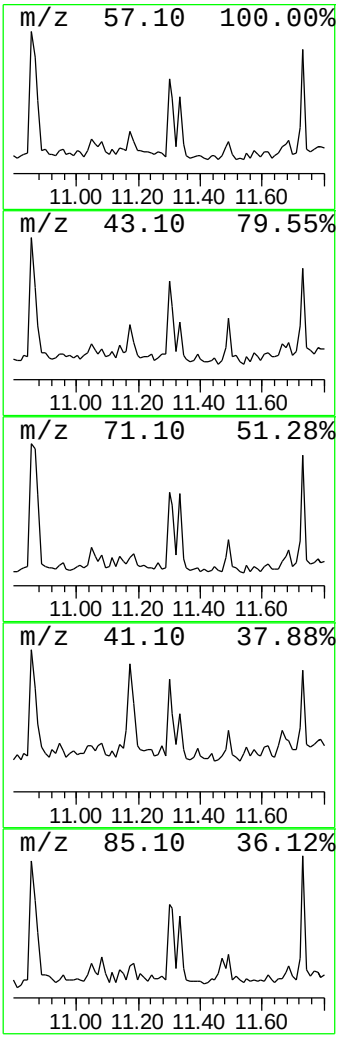
Peak Number 10 unknown11.30 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	2.22 ng	135210	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	49
2	Heptadecane	240	C17H36	000629-78-7	46
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	46
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	46
5	Tridecane	184	C13H28	000629-50-5	46





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Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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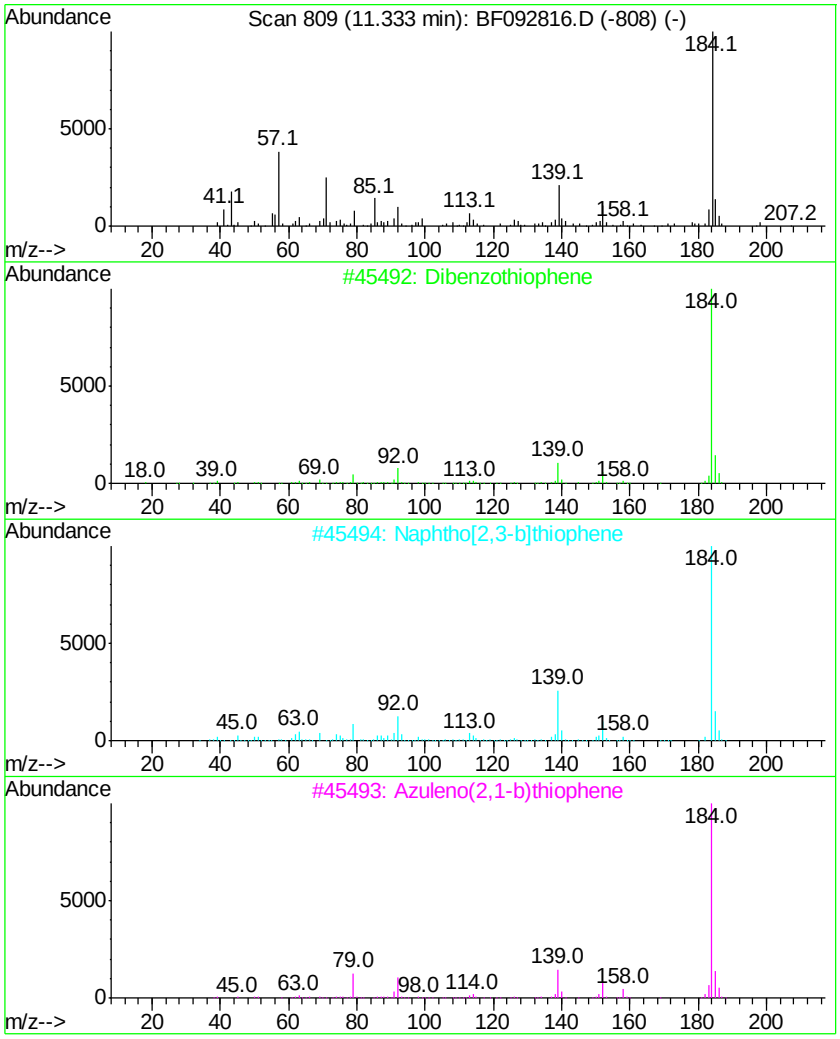
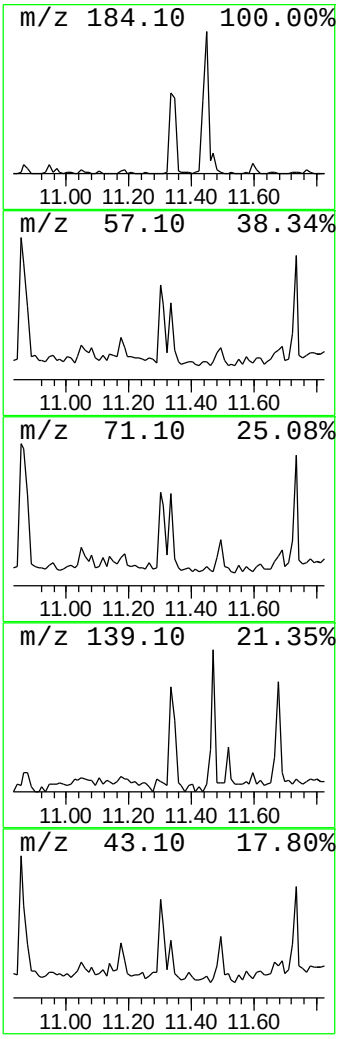
Peak Number 11 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	2.53 ng	154430	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	81
4	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	47
5	Benzidine	184	C12H12N2	000092-87-5	47





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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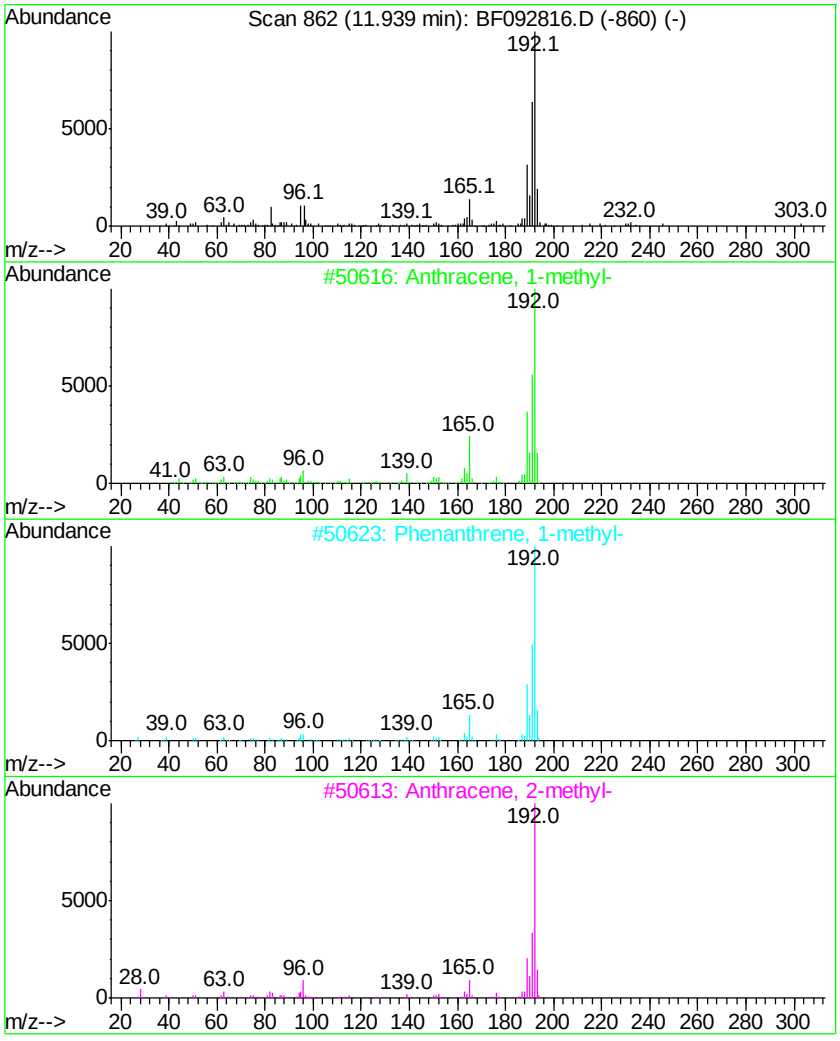
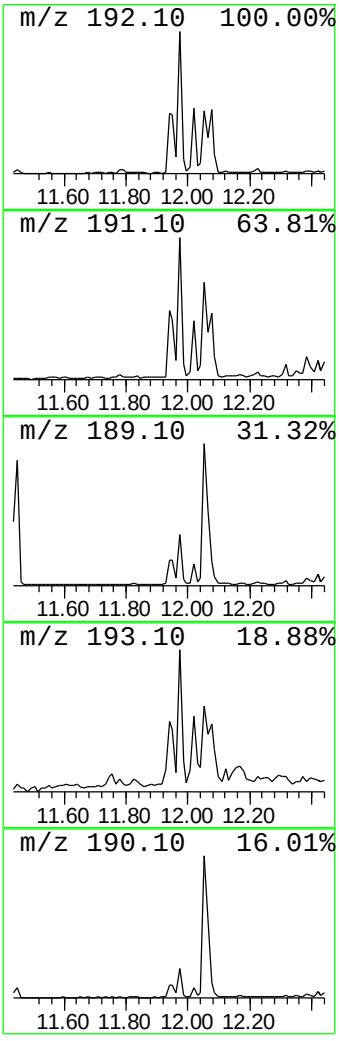
Peak Number 12 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	2.93 ng	178460	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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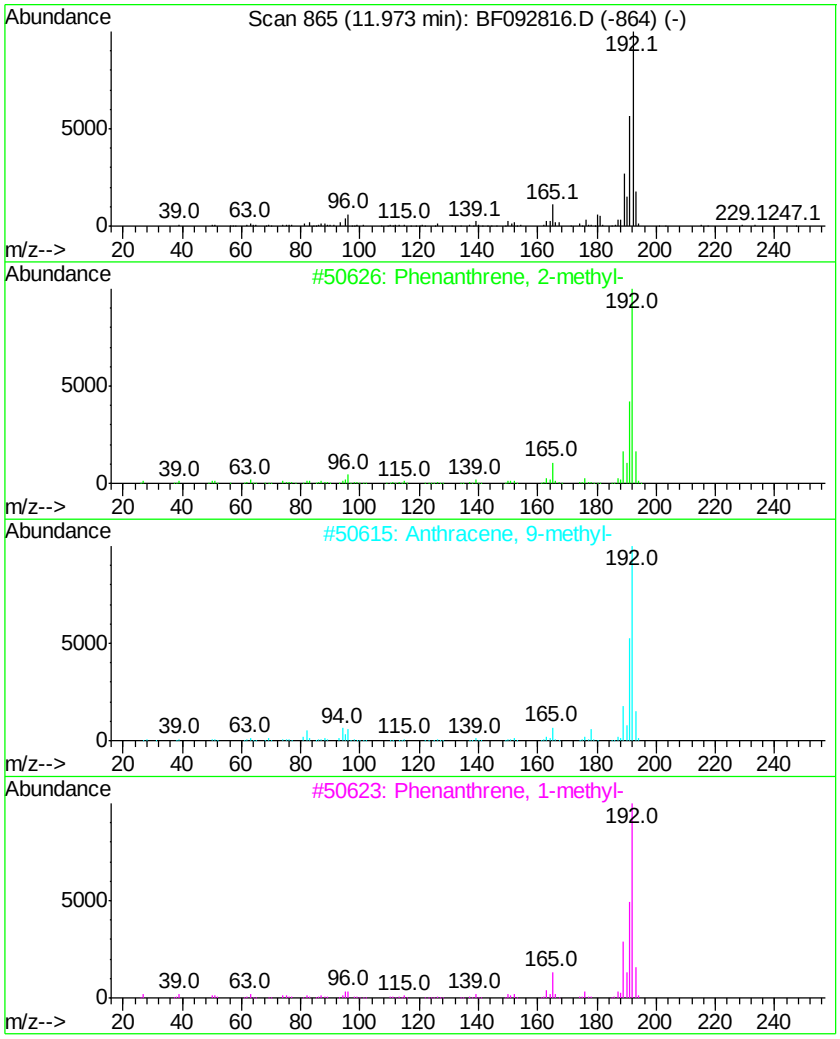
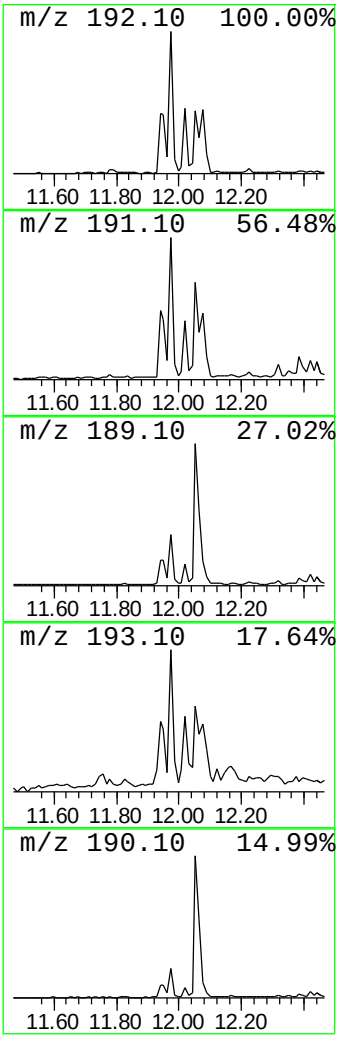
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.96 ng	180531	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Acq On : 7 Feb 2017 00:38
Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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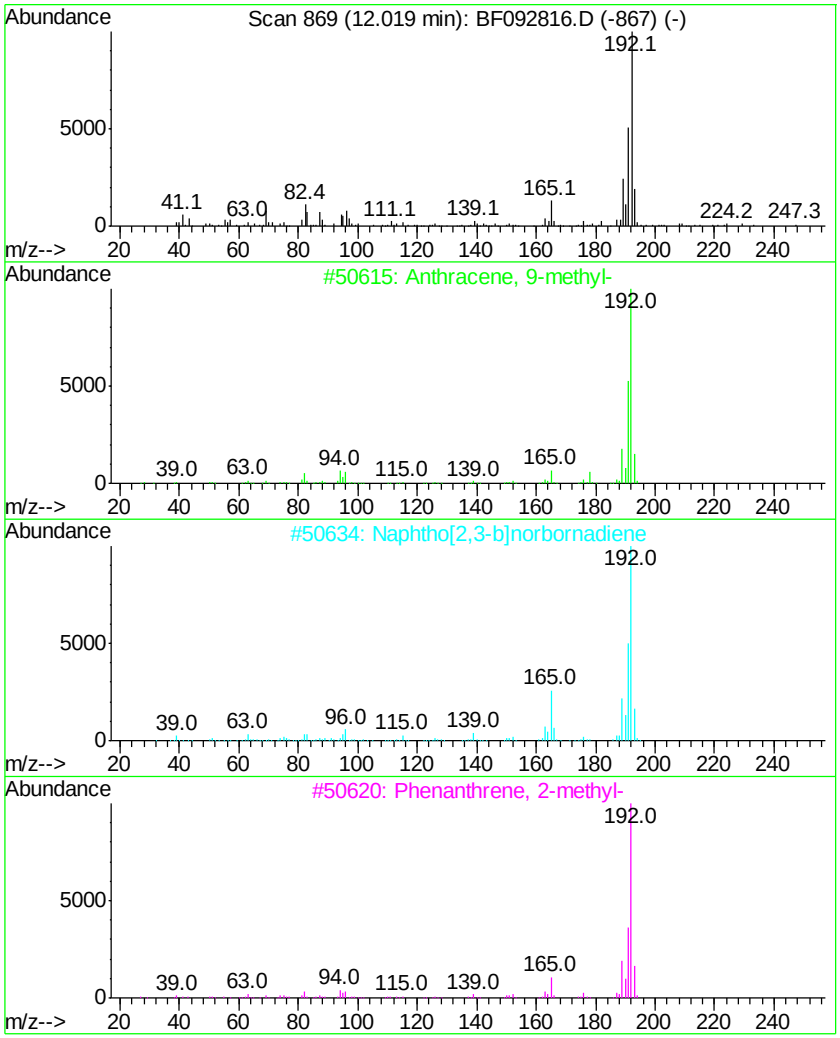
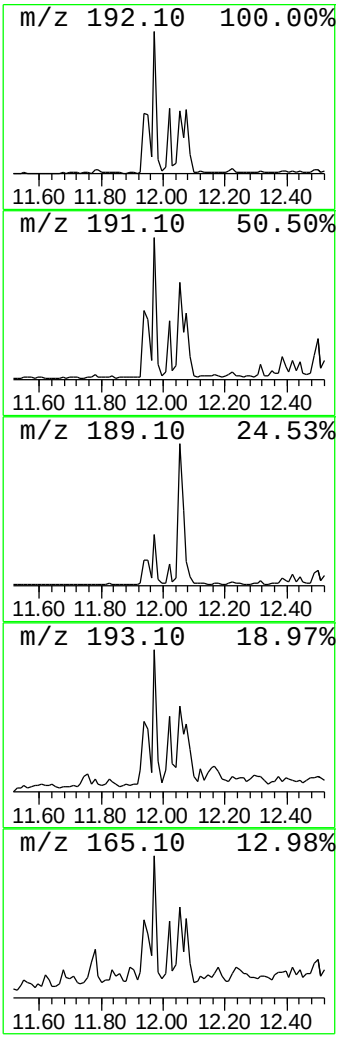
Peak Number 14 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.45 ng	149166	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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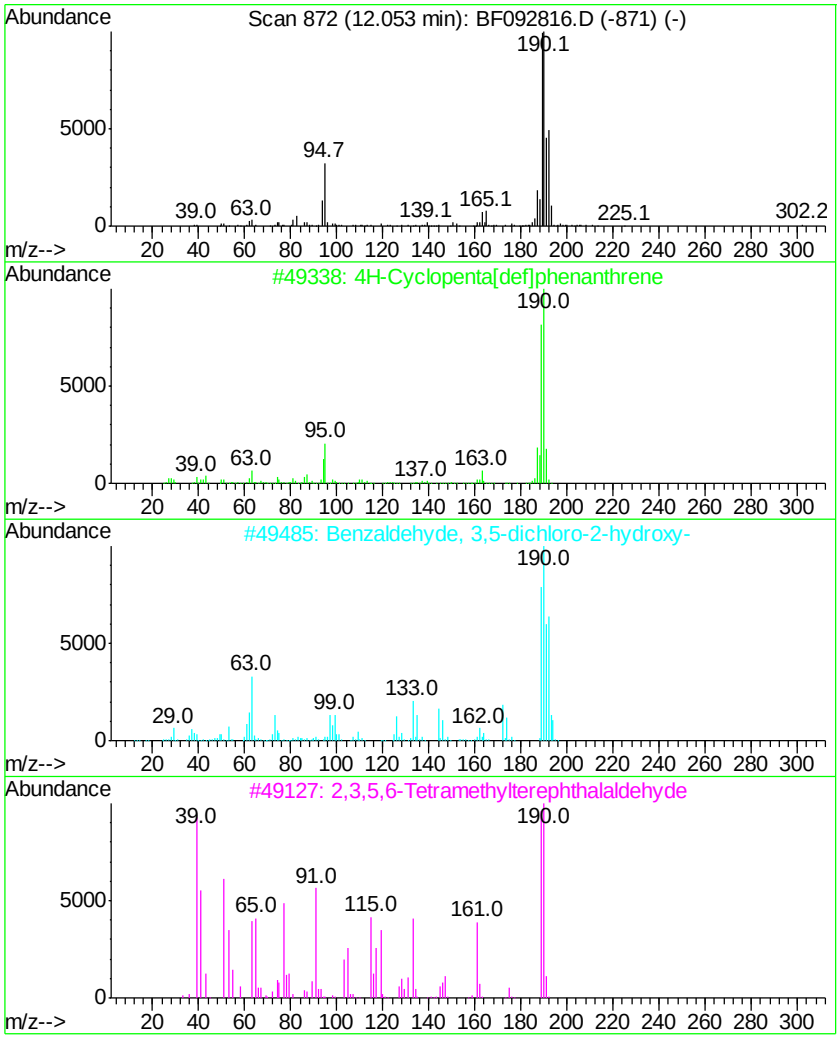
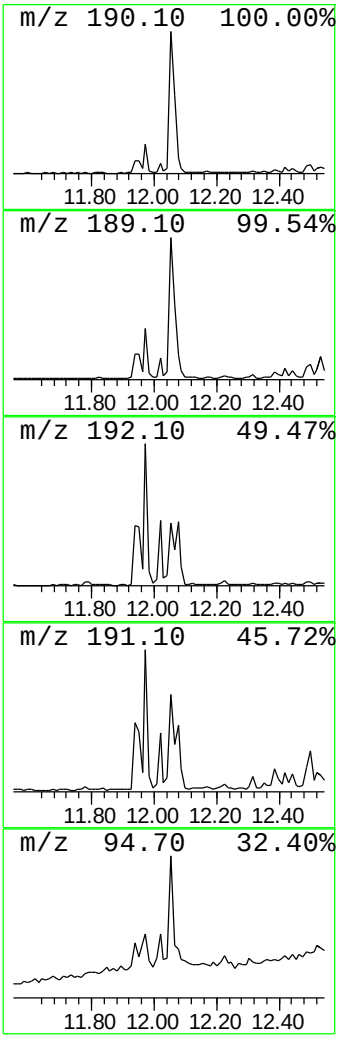
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	6.17 ng	376133	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Methyl diselenide	190	C2H6Se2	007101-31-7	22
5	4-Oxo-2-(4-fluorophenyl)-3,4-dih...	190	C10H7FN2O	076128-79-5	22





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Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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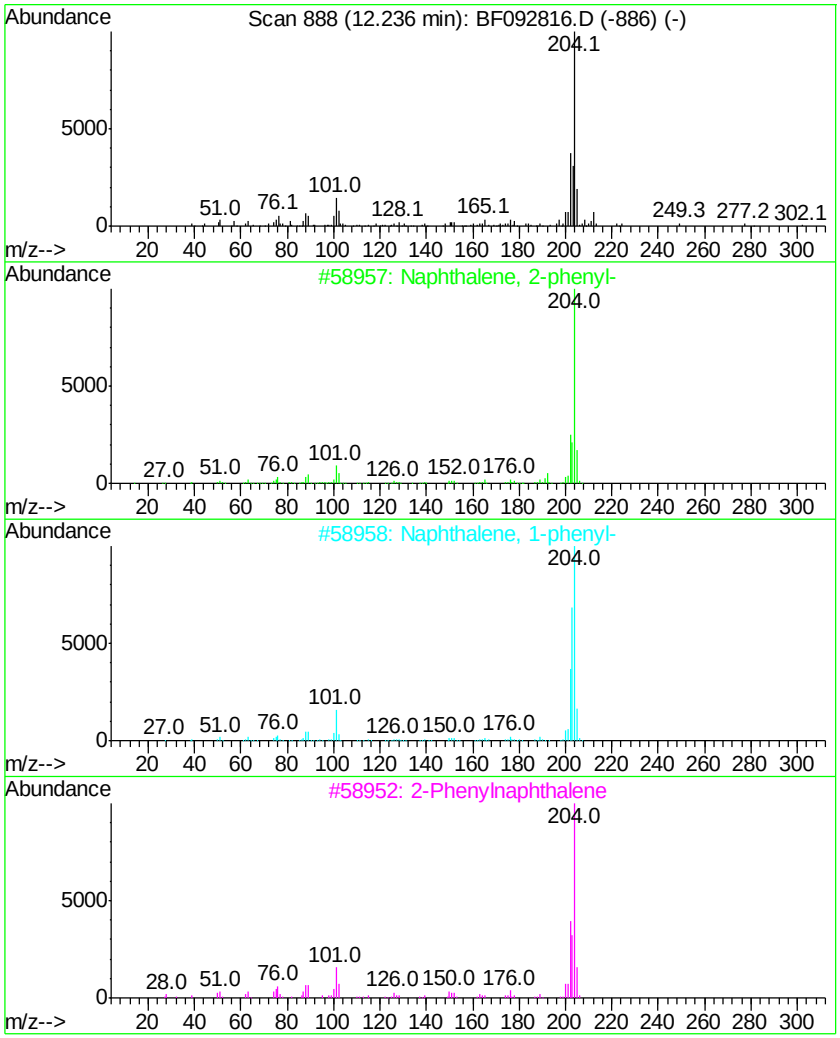
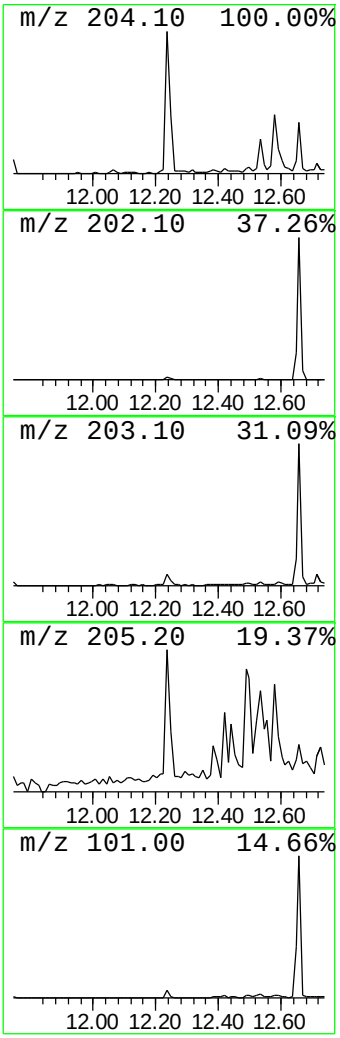
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	2.86 ng	174313	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	89
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	86
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83





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Acq On : 7 Feb 2017 00:38
Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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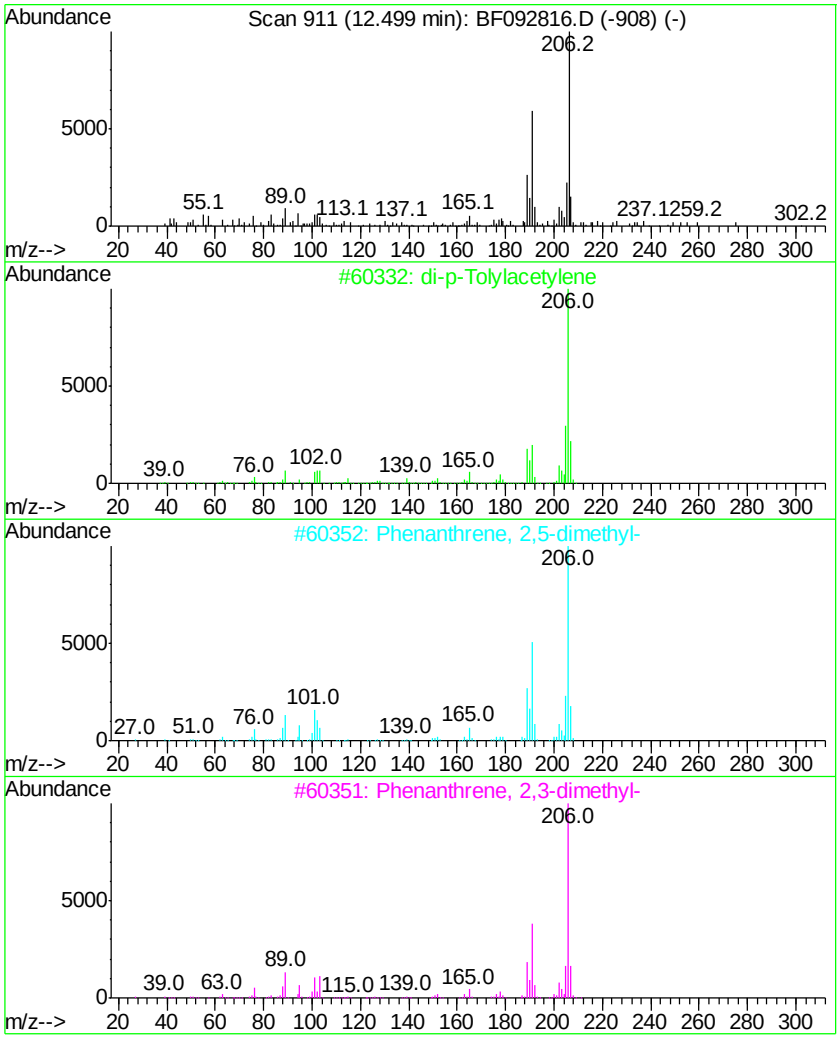
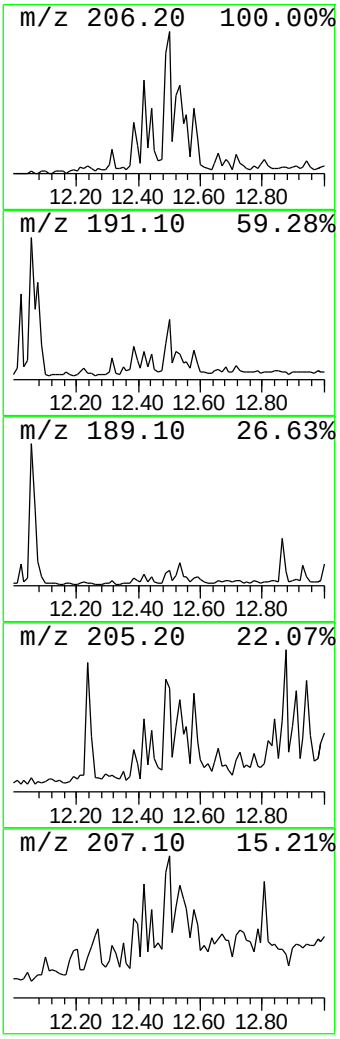
Peak Number 17 di-p-Tolylacetylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	2.33 ng	141878	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90





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Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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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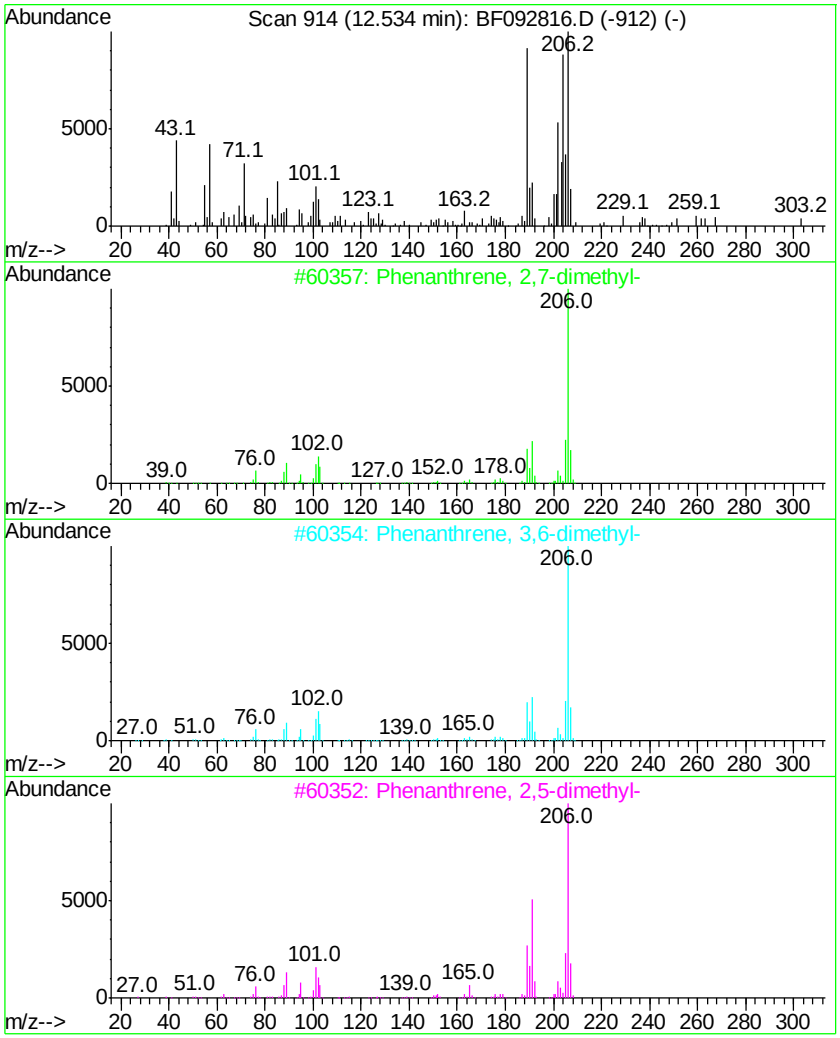
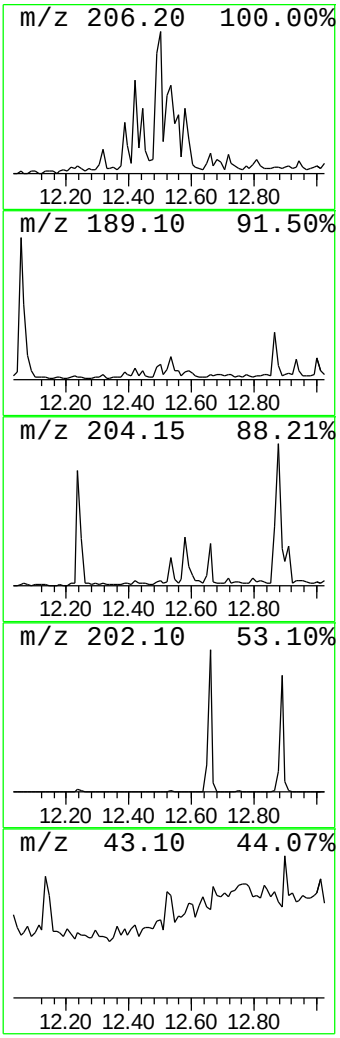
Peak Number 18 unknown12.53 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	2.31 ng	140815	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	38
5	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020617\
Data File : BF092816.D
Acq On : 7 Feb 2017 00:38
Operator : SJ/MA
Sample : I1699-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : F-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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
3-Penten-2-one, 4...	4.44	63.3	ng	2642920	1	6.91	834971	20.0
2-Pentanone, 4-hy...	5.12	120.1	ng	5015320	1	6.91	834971	20.0
unknown6.68	6.68	26.8	ng	1119280	1	6.91	834971	20.0
Naphthalene, 1,6-...	9.61	2.2	ng	121392	3	9.96	1089760	20.0
Hexadecane	9.88	2.1	ng	115858	3	9.96	1089760	20.0
1,1'-Biphenyl, 2-...	10.59	2.2	ng	119118	3	9.96	1089760	20.0
Tridecane	10.85	3.1	ng	188245	4	11.45	1219080	20.0
2-Propenoic acid,...	11.17	2.5	ng	153200	4	11.45	1219080	20.0
unknown11.30	11.30	2.2	ng	135210	4	11.45	1219080	20.0
Dibenzothiophene	11.33	2.5	ng	154430	4	11.45	1219080	20.0
Anthracene, 1-met...	11.94	2.9	ng	178460	4	11.45	1219080	20.0
Phenanthrene, 2-m...	11.97	3.0	ng	180531	4	11.45	1219080	20.0
Anthracene, 9-met...	12.02	2.5	ng	149166	4	11.45	1219080	20.0
4H-Cyclopenta[def...	12.05	6.2	ng	376133	4	11.45	1219080	20.0
Naphthalene, 2-ph...	12.24	2.9	ng	174313	4	11.45	1219080	20.0
di-p-Tolylacetylene	12.50	2.3	ng	141878	4	11.45	1219080	20.0
unknown12.53	12.53	2.3	ng	140815	4	11.45	1219080	20.0