LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079683.D
Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

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-BF060315.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	1.518	27	29	48	rVB2	367735	1565242	20.68%	2.744%
2	2.273	93	95	109	rVB	115176	354302	4.68%	0.621%
3	2.478	109	113	116	rBV	4646879	7570385	100.00%	13.271%
4	2.947	150	154	158	rVB	228191	346610	4.58%	0.608%
5	6.136	431	433	435	rBV	2278264	2008185	26.53%	3.520%
6	7.107	516	518	521	rBV	2378097	1990844	26.30%	3.490%
7	7.290	531	534	536	rBV	1641636	2044373	27.00%	3.584%
8	7.519	552	554	556	rVB	610705	496927	6.56%	0.871%
9	7.679	566	568	570	rVB	1920393	1579324	20.86%	2.769%
10	8.067	600	602	605	rBV	805885	1061534	14.02%	1.861%
11	8.810	665	667	670	rBV	764715	669760	8.85%	1.174%
12	9.885	759	761	764	rVB	2773925	2417909	31.94%	4.239%
13	10.273	793	795	797	rBV	311313	268514	3.55%	0.471%
14	10.593	821	823	824	rBV	724105	712243	9.41%	1.249%
15	11.382	890	892	895	rBV	1412036	1280363	16.91%	2.245%
16	12.102	953	955	956	rBV	903470	897755	11.86%	1.574%
17	12.125	956	957	959	rVB	1502565	1140334	15.06%	1.999%
18	12.182	959	962	963	rBV	276286	345006	4.56%	0.605%
19	12.616	994	1000	1001	rBV	282956	324367	4.28%	0.569%
20	12.639	1001	1002	1004	rVB	244849	320159	4.23%	0.561%
21	12.742	1008	1011	1015	rVV	359145	612814	8.09%	1.074%
22	12.914	1025	1026	1032	rVB2	140805	314888	4.16%	0.552%
23	13.199	1048	1051	1052	rBV	154242	227273	3.00%	0.398%
24	13.234	1052	1054	1057	rVB3	82345	186323	2.46%	0.327%
25	13.291	1057	1059	1064	rBV	177178	217839	2.88%	0.382%
26	13.382	1064	1067	1069	rBV	2891943	3265865	43.14%	5.725%
27	13.634	1084	1089	1091	rBV	2958491	3417092	45.14%	5.990%
28	13.679	1091	1093	1095	rVB	164912	192633	2.54%	0.338%
29	13.771	1098	1101	1103	rBV	2832071	3033508	40.07%	5.318%
30	13.874	1106	1110	1113	rBV4	195604	410032	5.42%	0.719%
31	13.988	1116	1120	1122	rBV2	409325	630300	8.33%	1.105%
32	14.068	1124	1127	1128	rBV	269258	281016	3.71%	0.493%
33	14.114	1128	1131	1132	rBV2	246691	303995	4.02%	0.533%
34	14.582	1170	1172	1174	rVB	189849	274083	3.62%	0.480%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079683.D
Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

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-BF060315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.720	1181	1184	1185	rBV2	244964	377179	4.98%	0.661%
36	14.788	1188	1190	1192	rVV2	287953	467806	6.18%	0.820%
37	14.822	1192	1193	1198	rVB	294011	340939	4.50%	0.598%
38	15.017	1207	1210	1212	rBV2	1562176	2952382	39.00%	5.176%
39	15.051	1212	1213	1218	rVB	1221390	1412046	18.65%	2.475%
40	15.154	1221	1222	1224	rBV	212680	236675	3.13%	0.415%
41	15.291	1232	1234	1237	rBV	205189	272859	3.60%	0.478%
42	15.508	1250	1253	1255	rBV	257726	337661	4.46%	0.592%
43	15.760	1272	1275	1280	rVB4	93579	188291	2.49%	0.330%
44	16.388	1326	1330	1335	rBV	1067361	2974598	39.29%	5.215%
45	16.525	1340	1342	1346	rVB	227896	327550	4.33%	0.574%
46	16.800	1363	1366	1370	rVB	659927	1130356	14.93%	1.982%
47	16.880	1370	1373	1377	rBV	997844	1543189	20.38%	2.705%
48	16.960	1377	1380	1382	rVV	528522	916976	12.11%	1.608%
49	17.005	1382	1384	1389	rVB2	330408	608608	8.04%	1.067%
50	18.571	1519	1521	1529	rVB3	94578	247513	3.27%	0.434%
51	18.983	1553	1557	1564	rVB2	414243	1079821	14.26%	1.893%
52	19.600	1606	1611	1619	rVB	302498	867259	11.46%	1.520%

Sum of corrected areas: 57043505

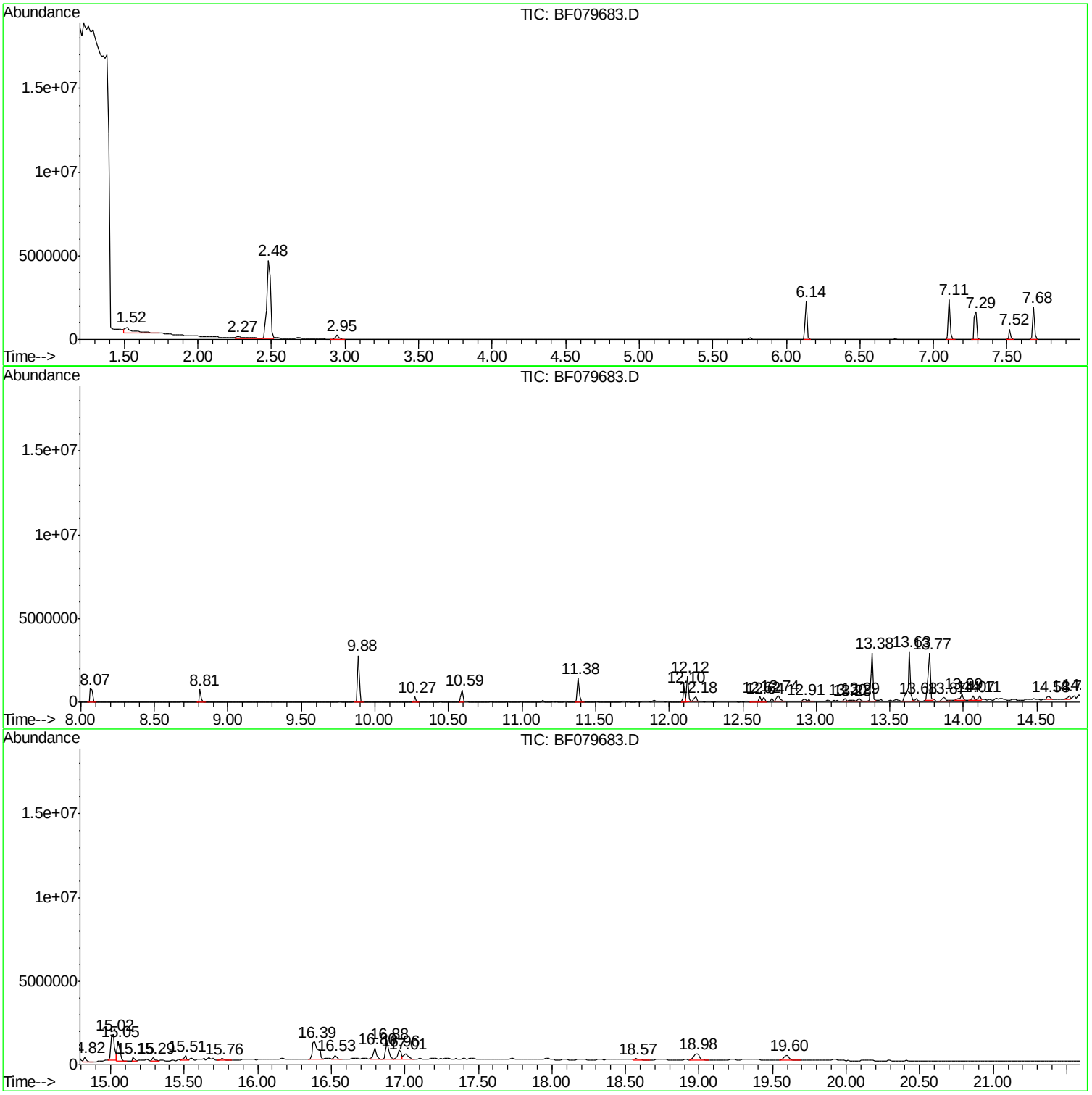
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079683.D
Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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\BF060315\
Data File : BF079683.D
Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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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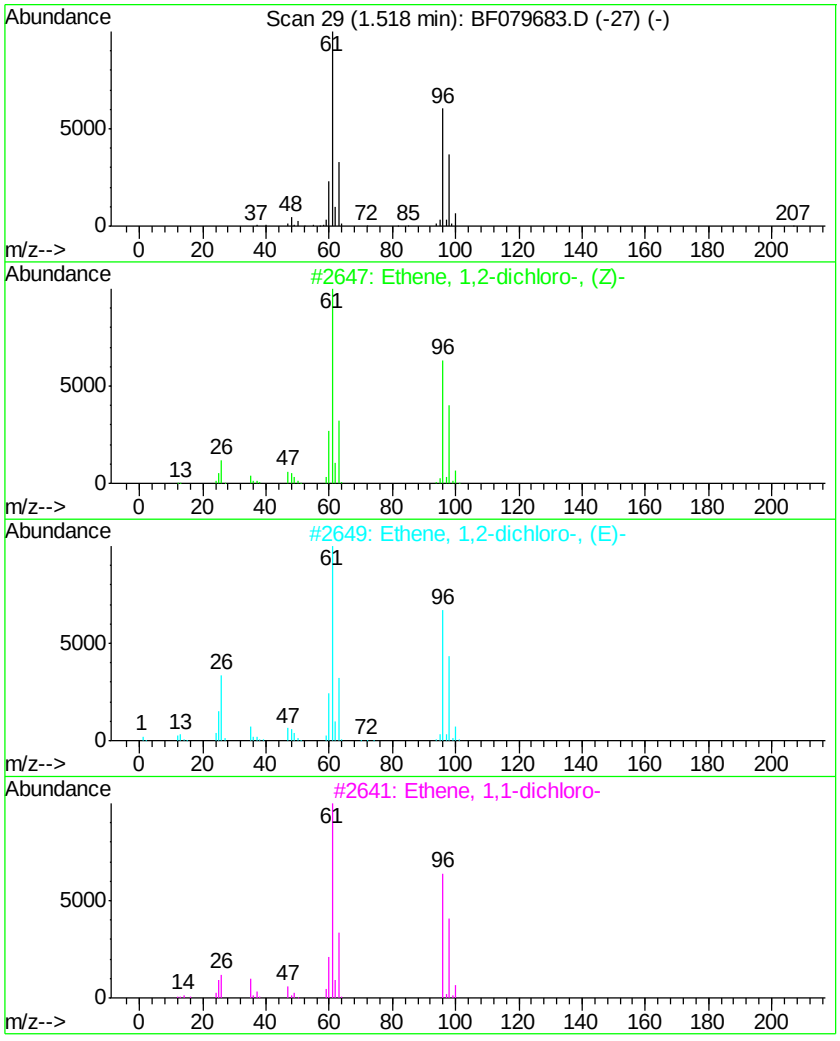
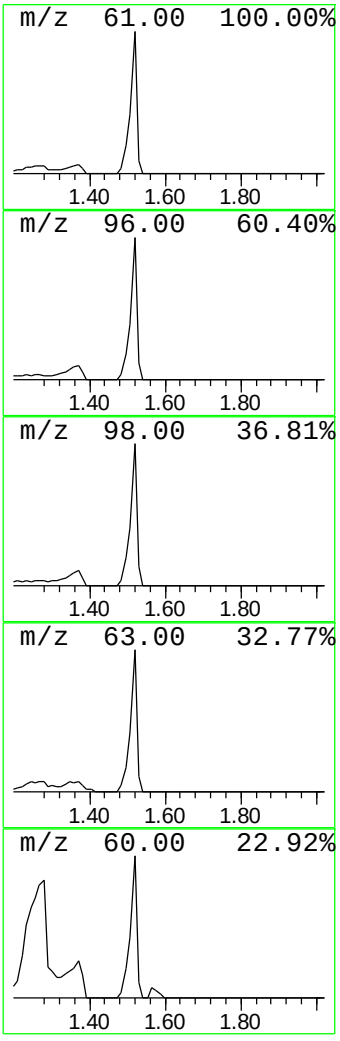
Peak Number 1 Ethene, 1,2-dichloro-, (Z)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.52	63.00 ng	1565240	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethene, 1,2-dichloro-, (Z)-	96	C2H2Cl2	000156-59-2	94
2	Ethene, 1,2-dichloro-, (E)-	96	C2H2Cl2	000156-60-5	94
3	Ethene, 1,1-dichloro-	96	C2H2Cl2	000075-35-4	90
4	1,2-Dichloroethylene	96	C2H2Cl2	000540-59-0	87
5	Chloromethylmethyl sulfide	96	C2H5ClS	002373-51-5	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079683.D
Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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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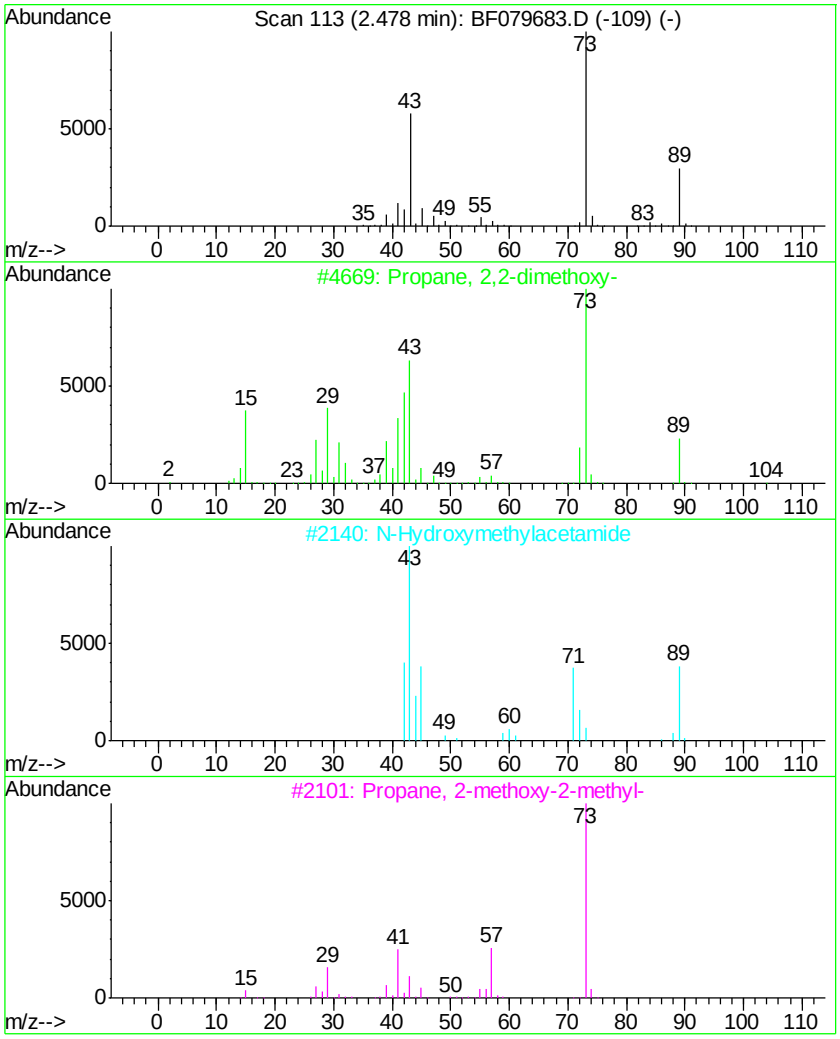
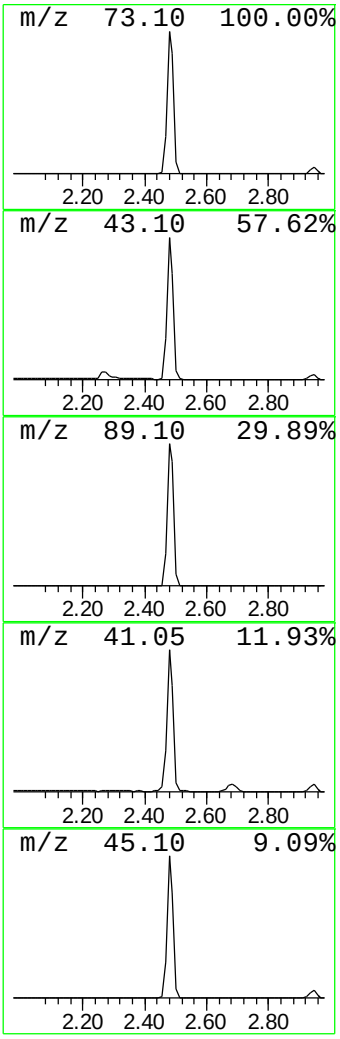
Peak Number 3 unknown2.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.48	304.69 ng	7570390	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	45
2	N-Hydroxymethylacetamide	89	C3H7NO2	000625-51-4	17
3	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
4	1,5-Pentanediamine	102	C5H14N2	000462-94-2	9
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079683.D
Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

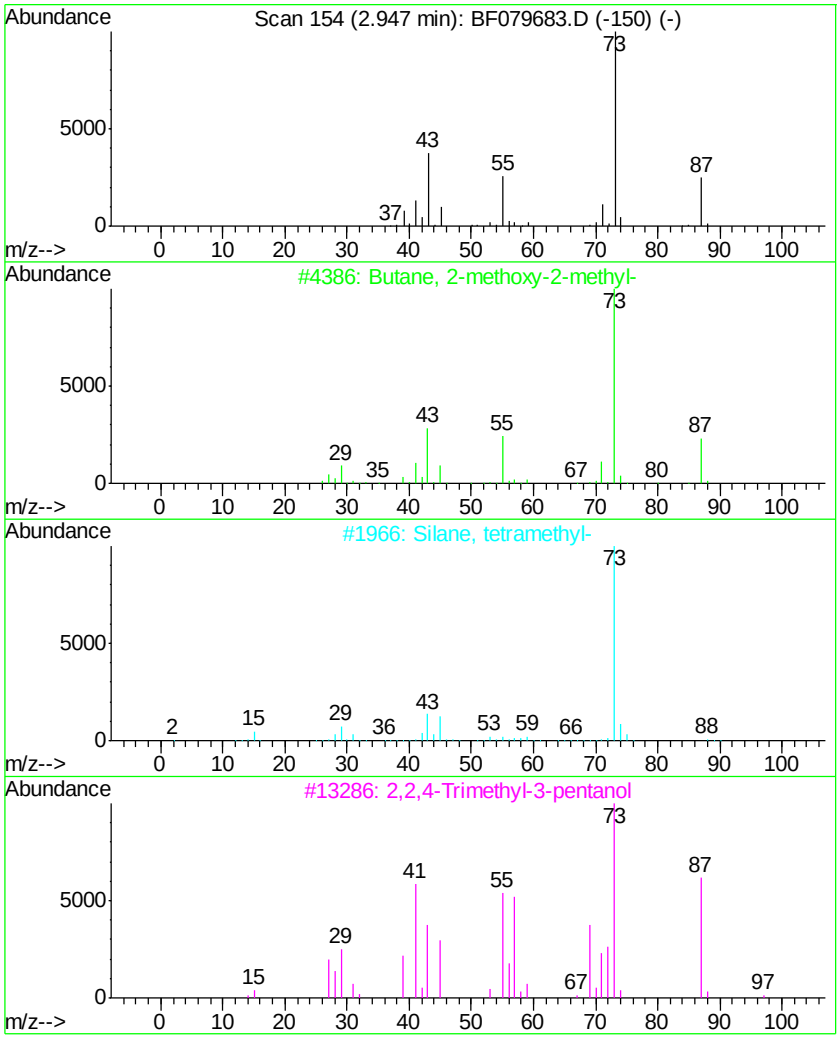
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

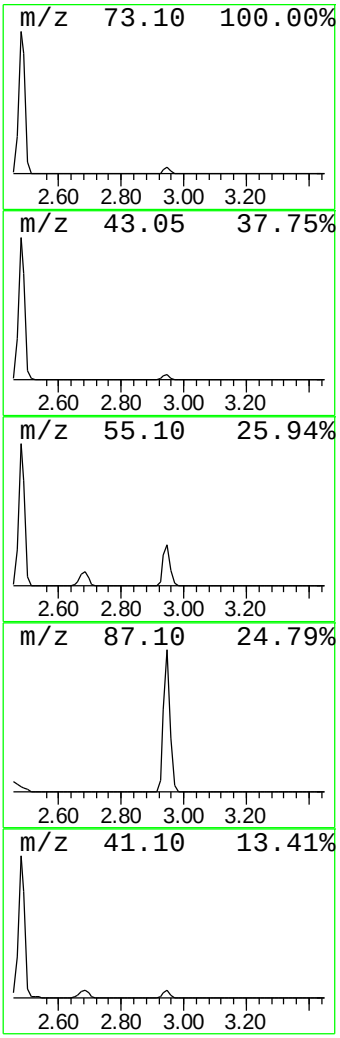
****

Peak Number 4 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.95	13.95 ng	346610	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	43
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079683.D
Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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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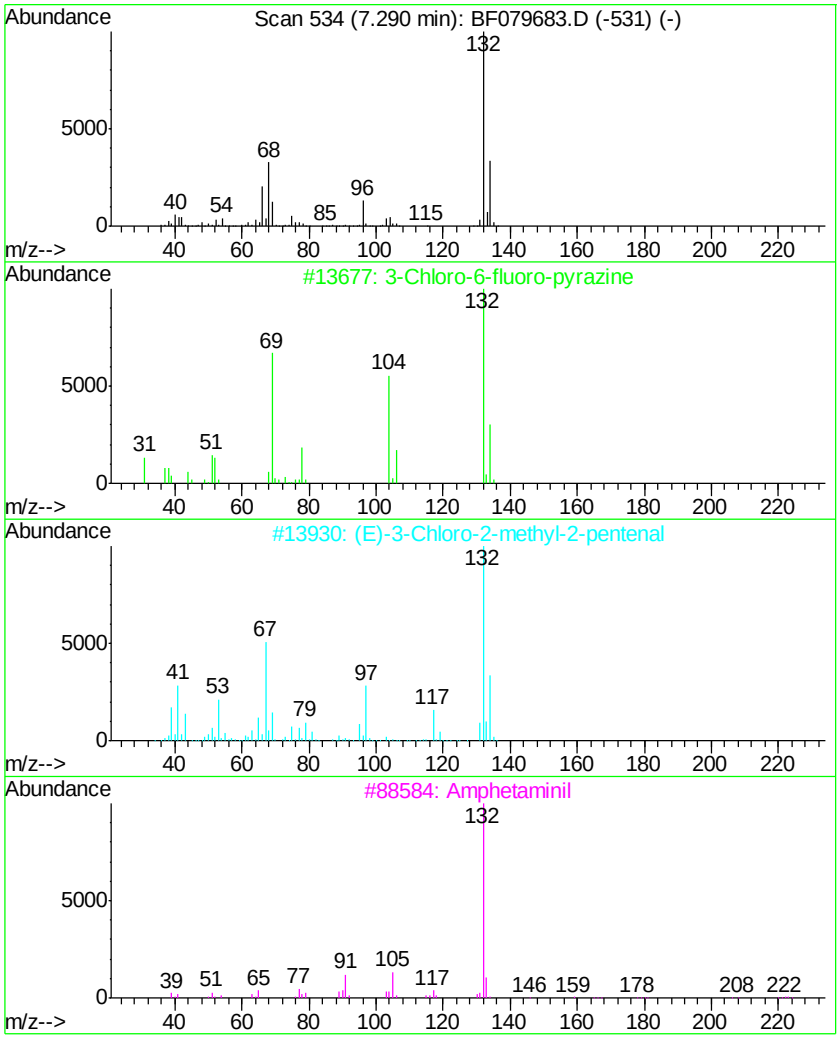
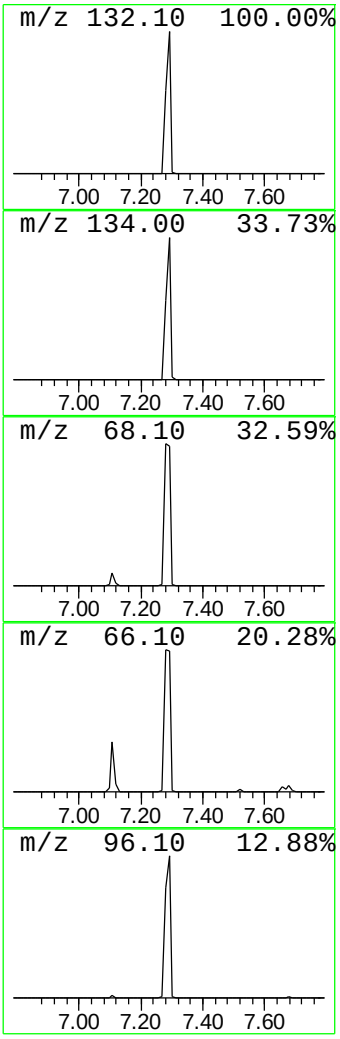
Peak Number 5 unknown7.29 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.29	82.28 ng	2044370	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079683.D
Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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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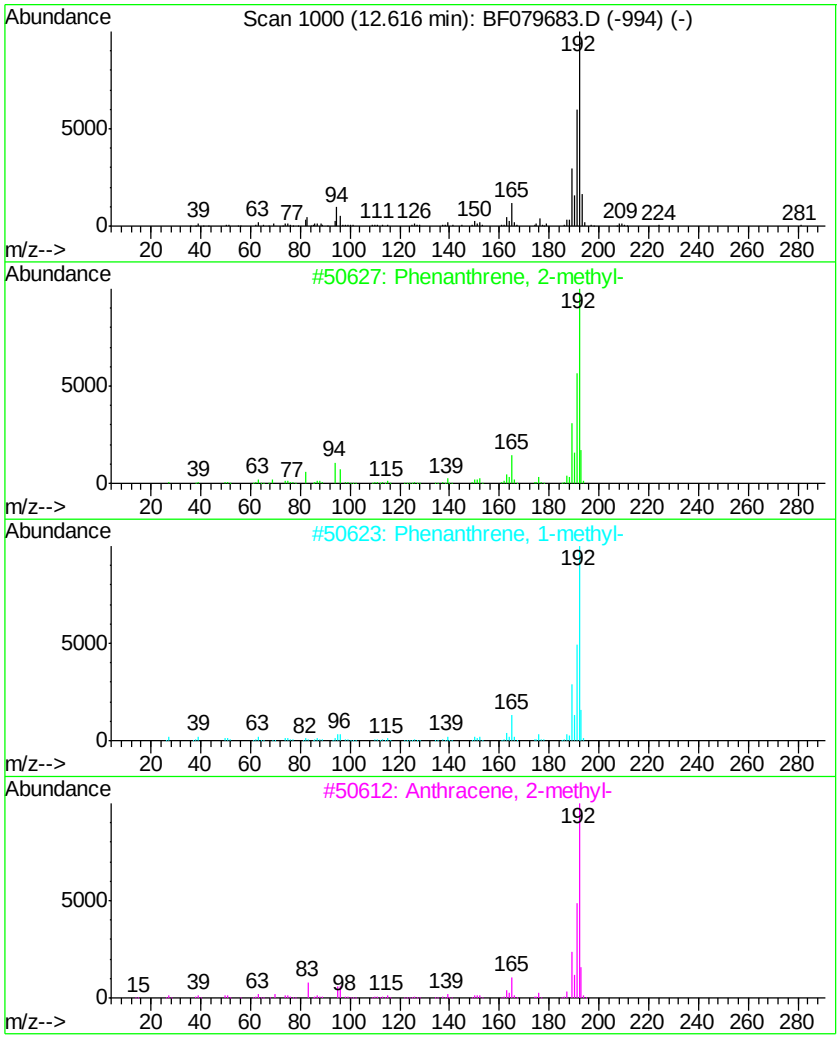
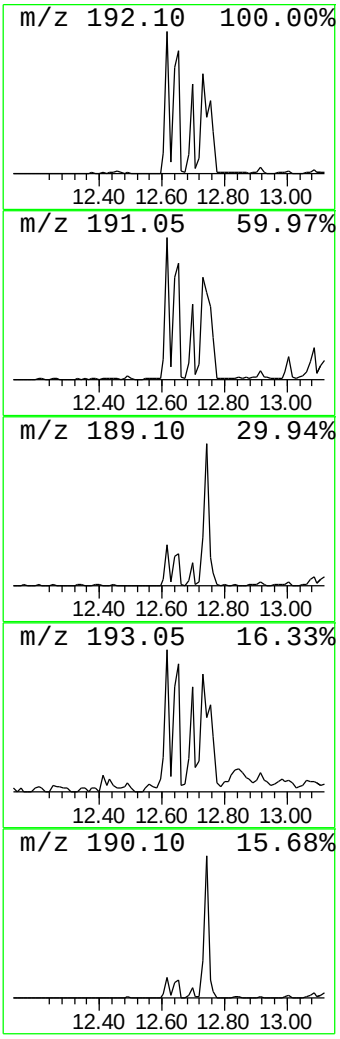
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	7.23 ng	324367	Phenanthrene-d10	12.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079683.D
Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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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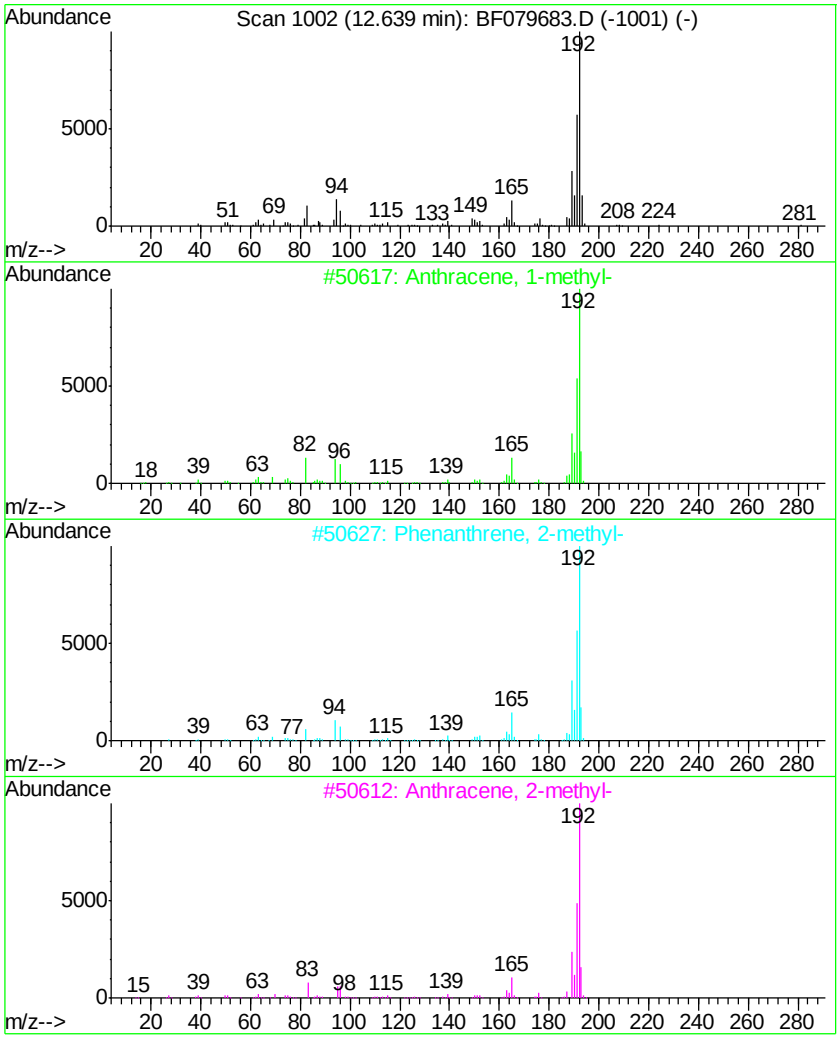
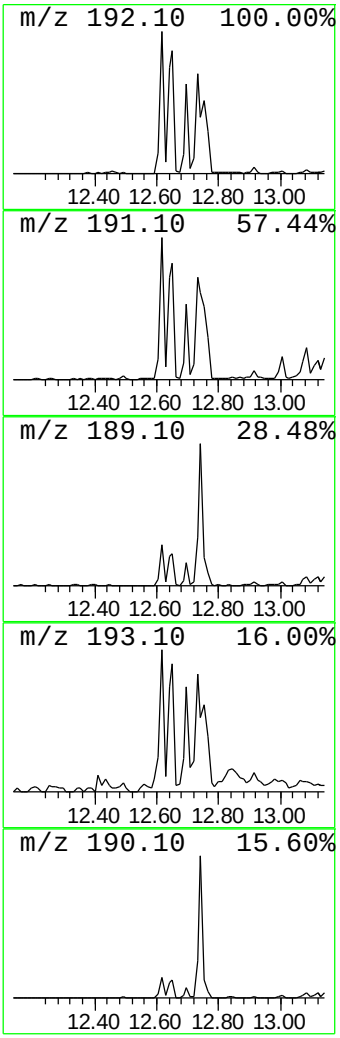
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	7.13 ng	320159	Phenanthrene-d10	12.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Data File : BF079683.D
Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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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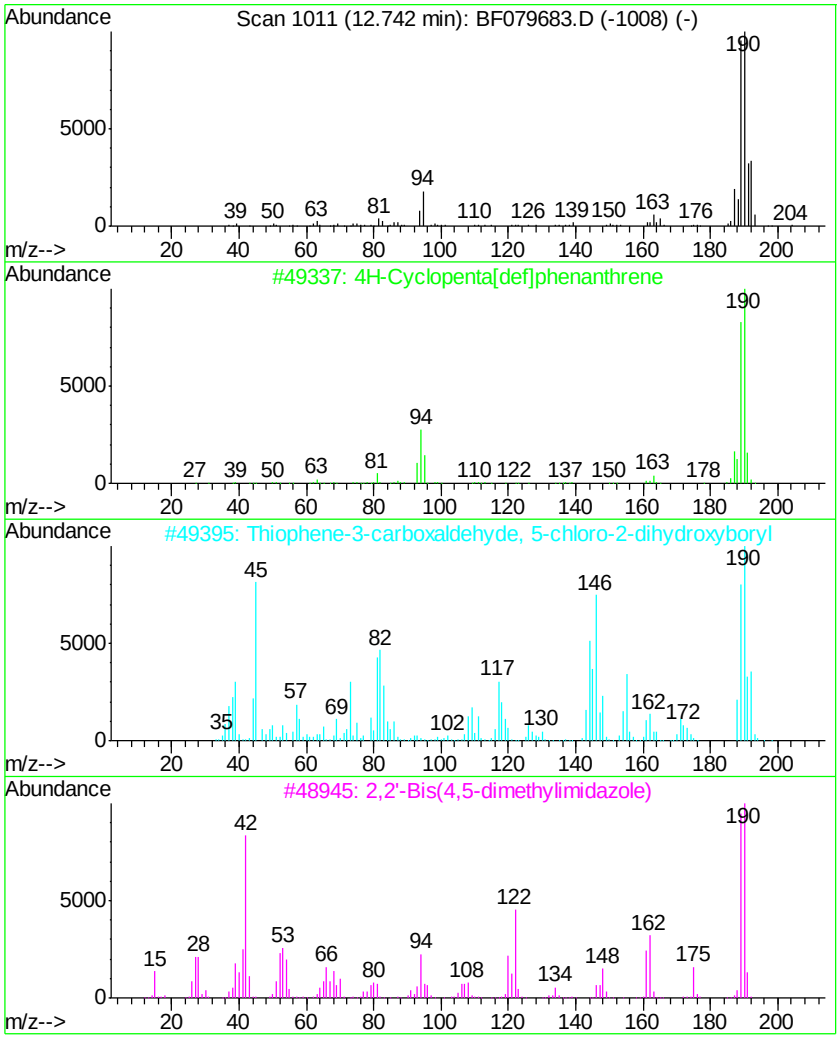
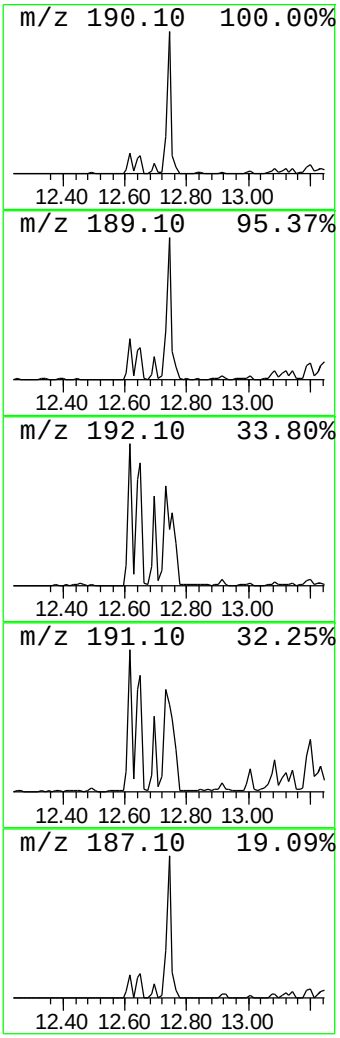
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	13.65 ng	612814	Phenanthrene-d10	12.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079683.D
Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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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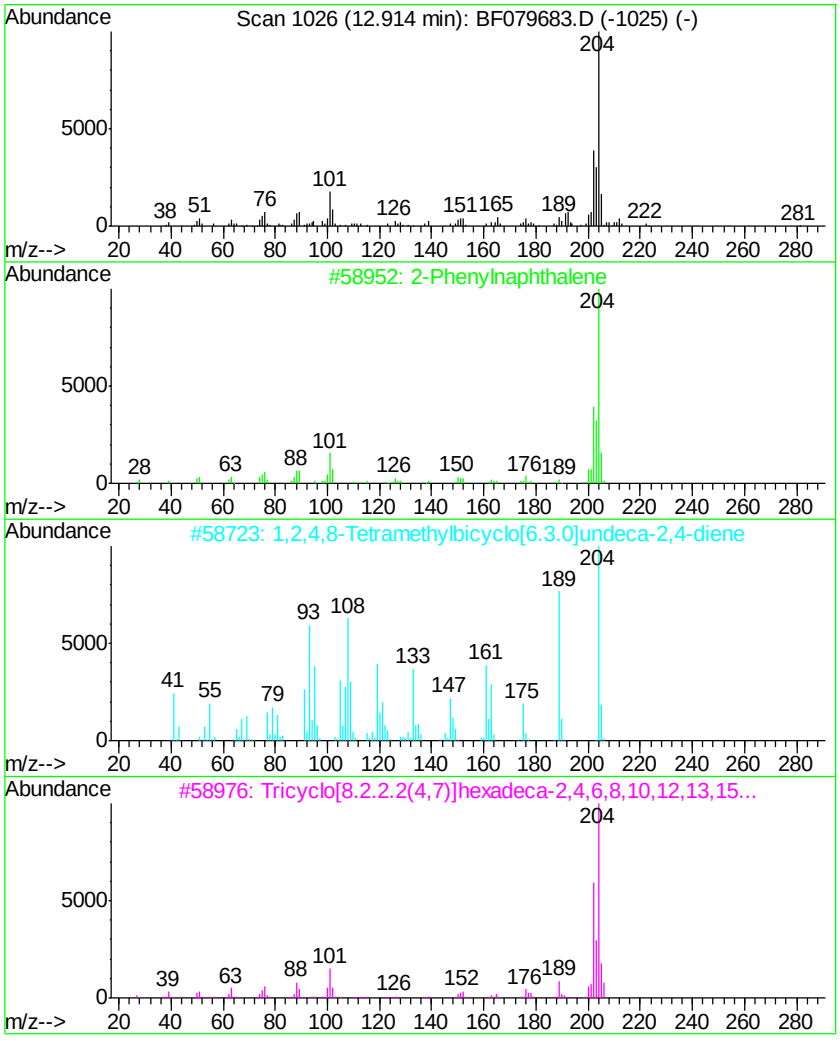
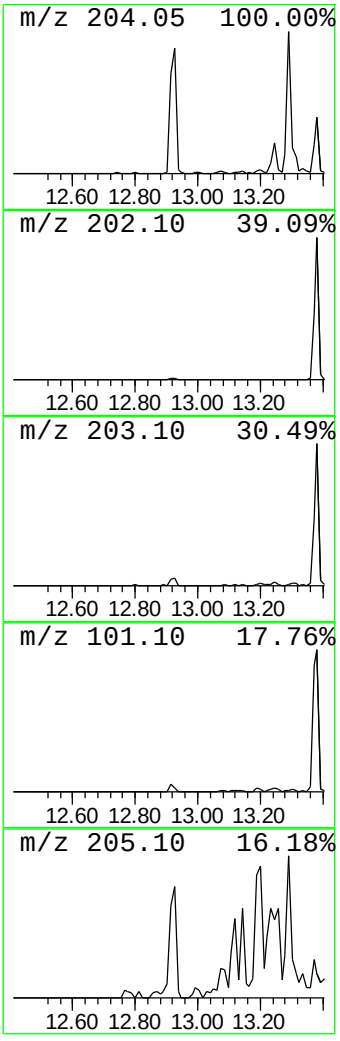
Peak Number 10 2-Phenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	7.02 ng	314888	Phenanthrene-d10	12.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Data File : BF079683.D
Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

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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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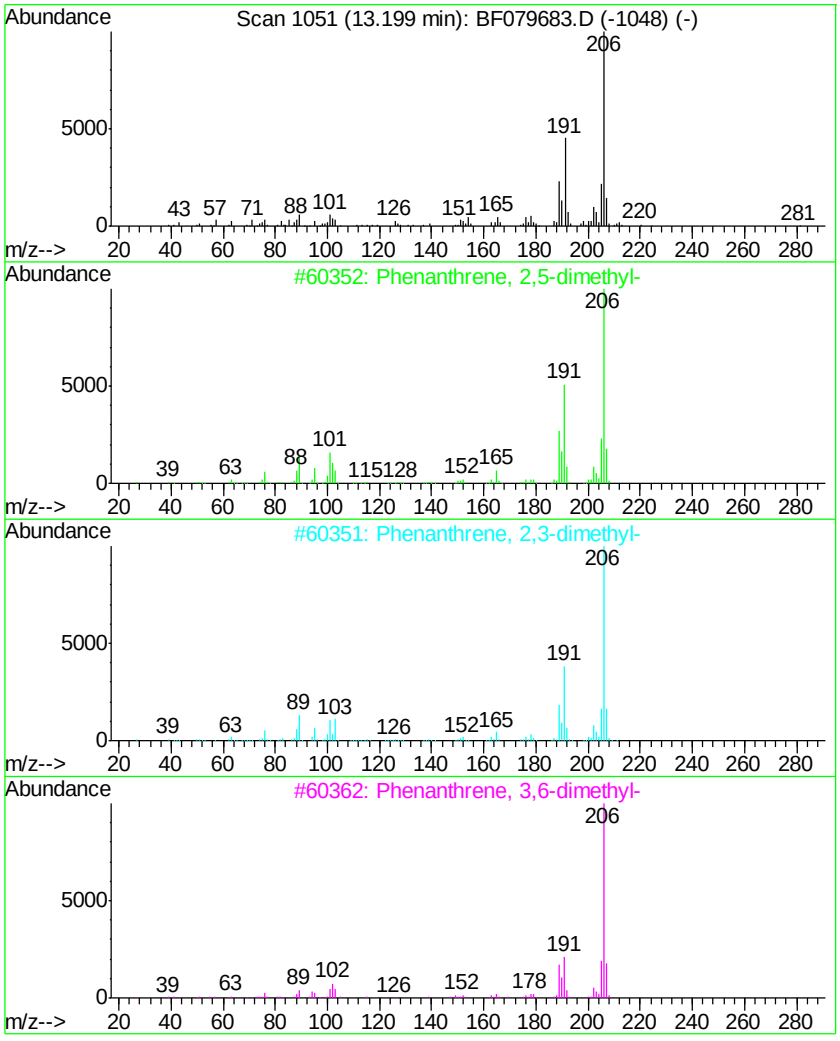
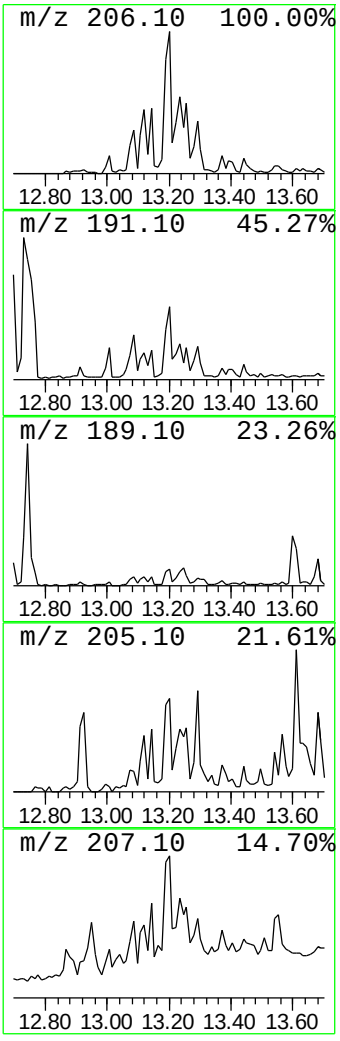
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	5.06 ng	227273	Phenanthrene-d10	12.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

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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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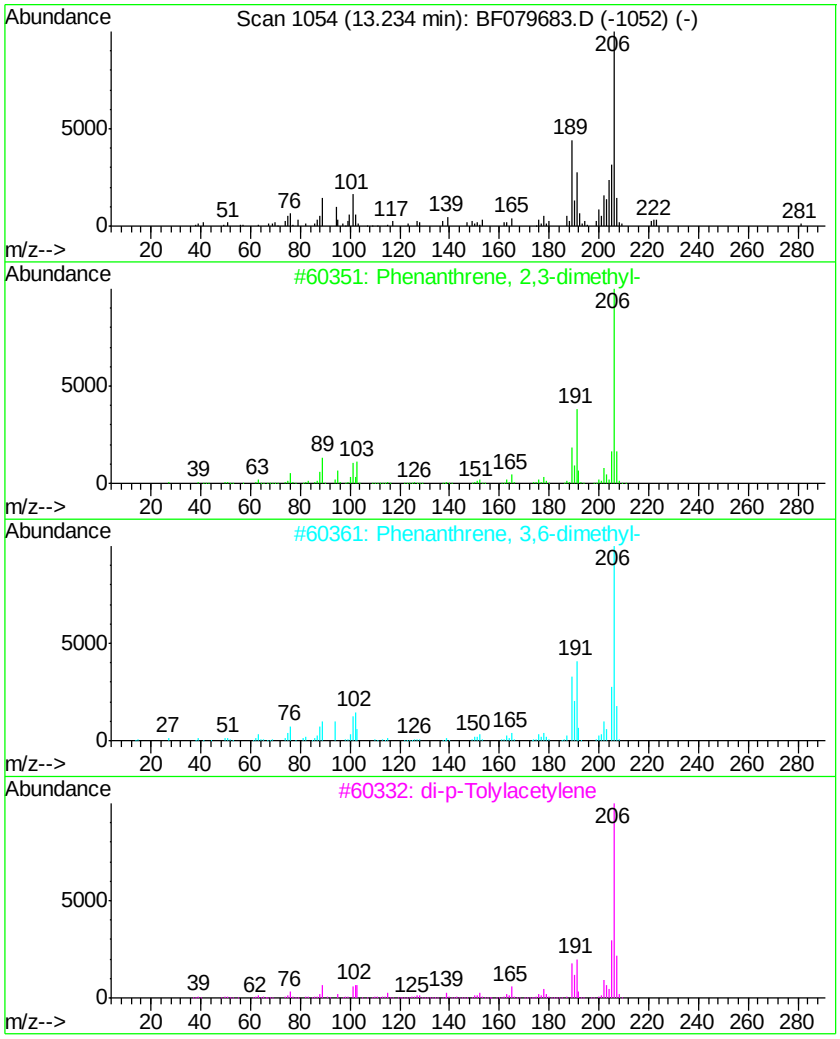
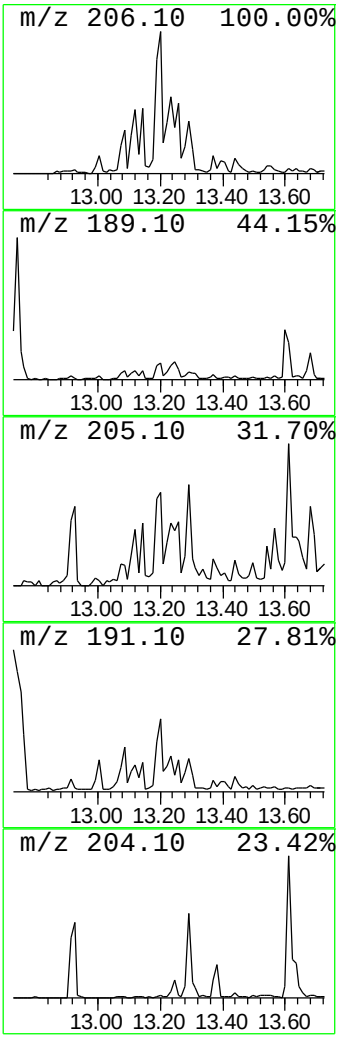
Peak Number 12 Phenanthrene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	4.15 ng	186323	Phenanthrene-d10	12.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	70
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64





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Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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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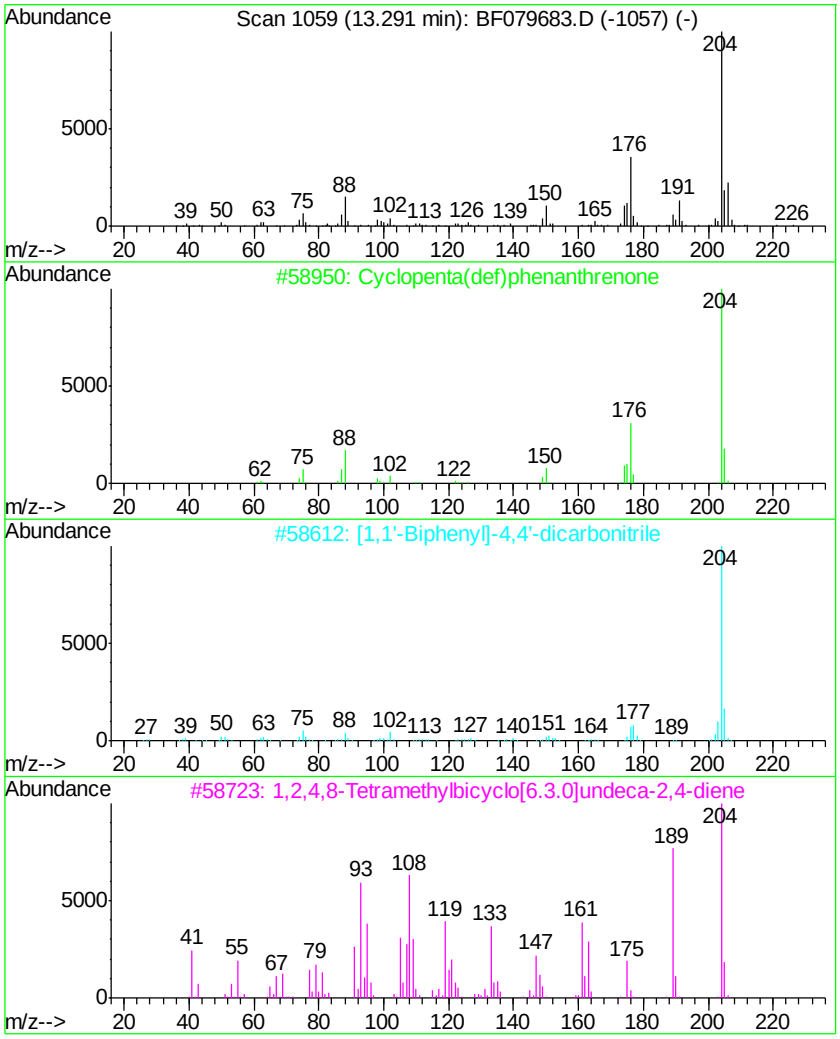
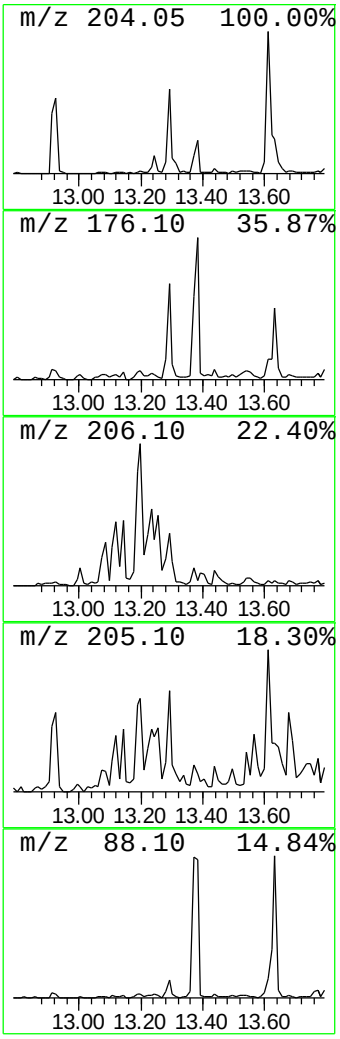
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	4.85 ng	217839	Phenanthrene-d10	12.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	47
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43





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Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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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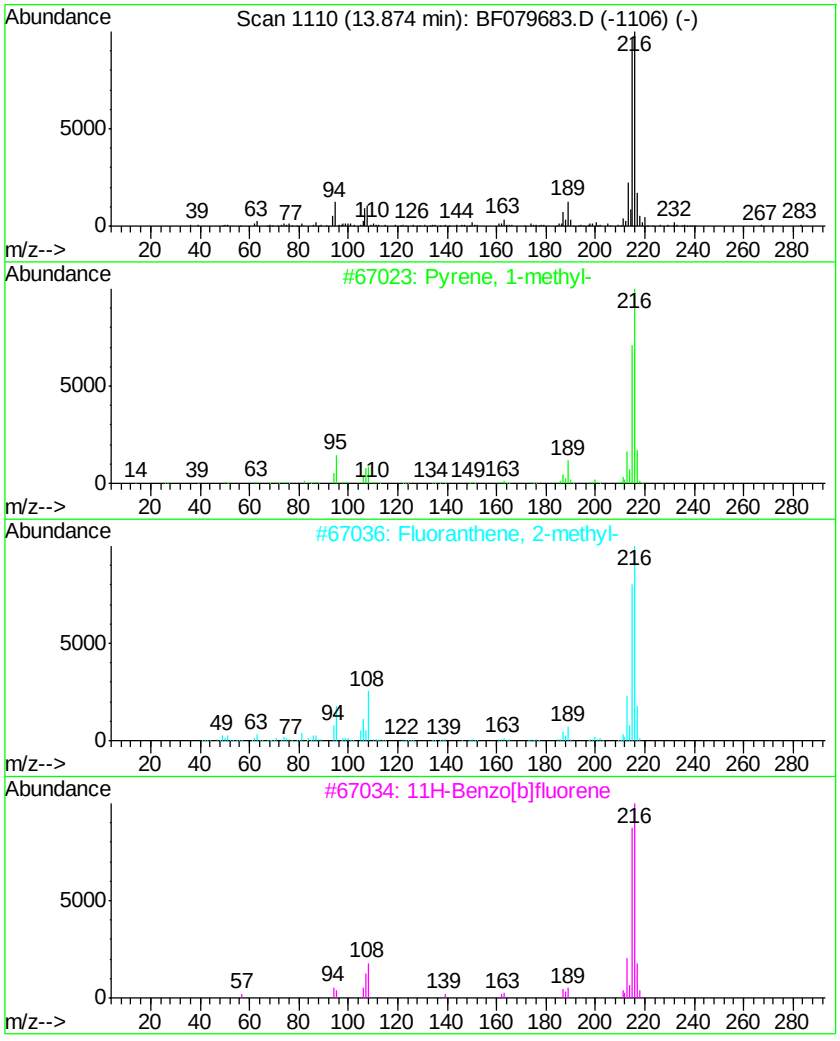
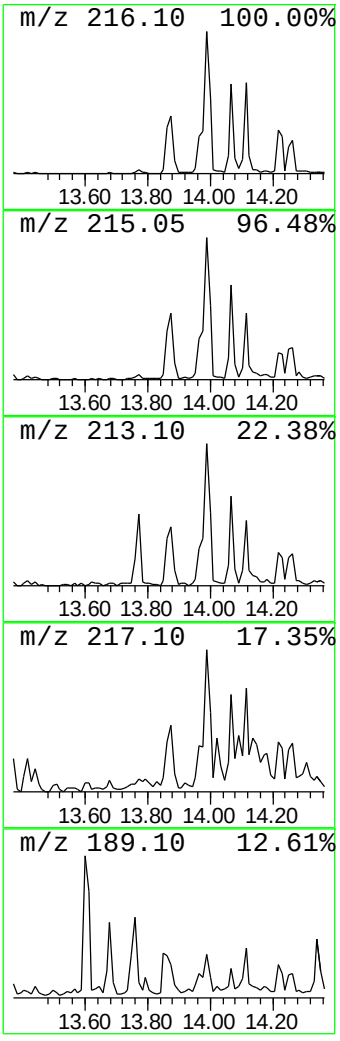
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.78 ng	410032	Chrysene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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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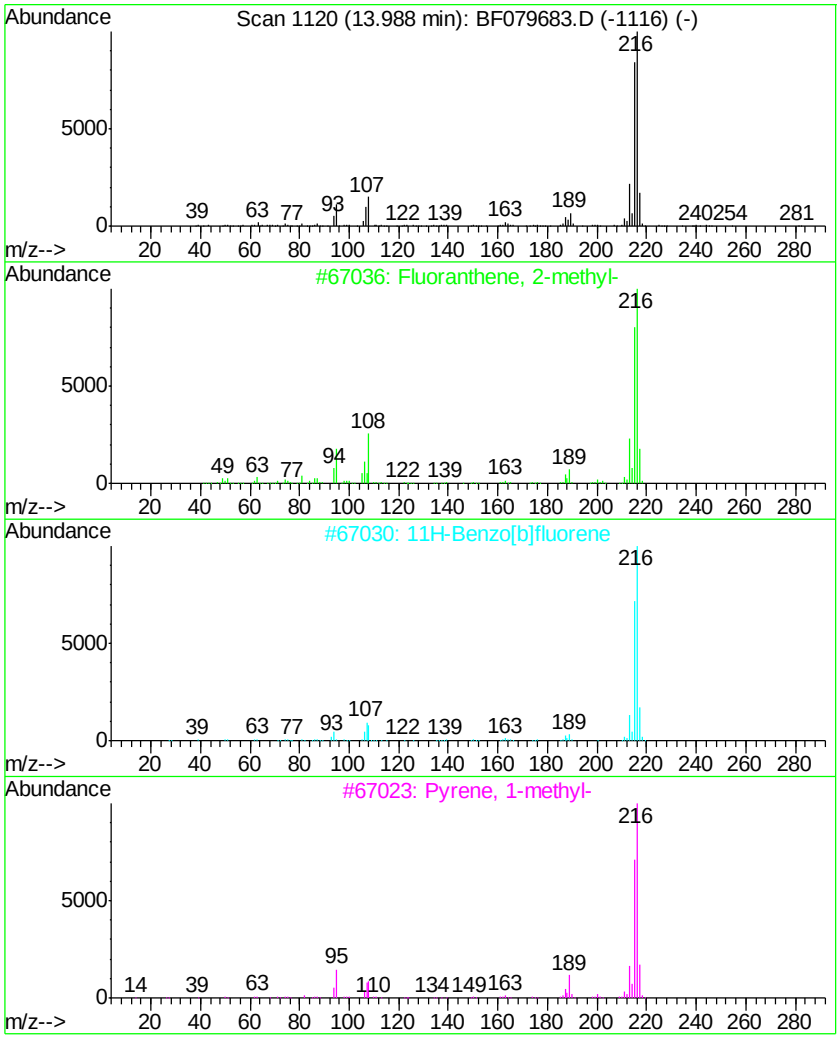
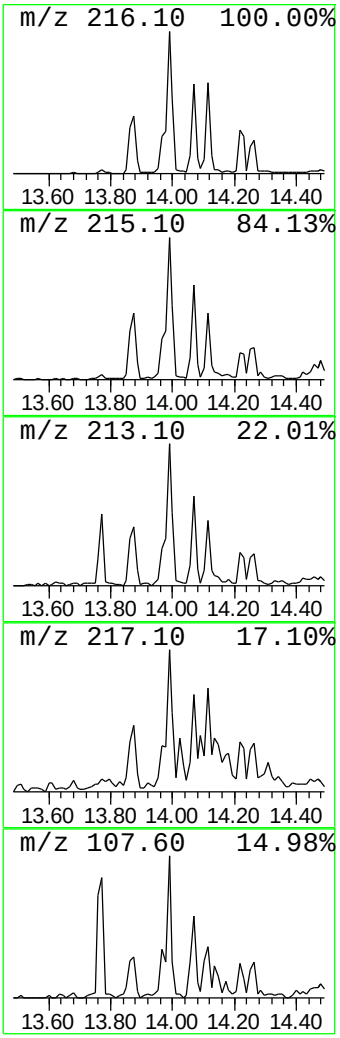
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	4.27 ng	630300	Chrysene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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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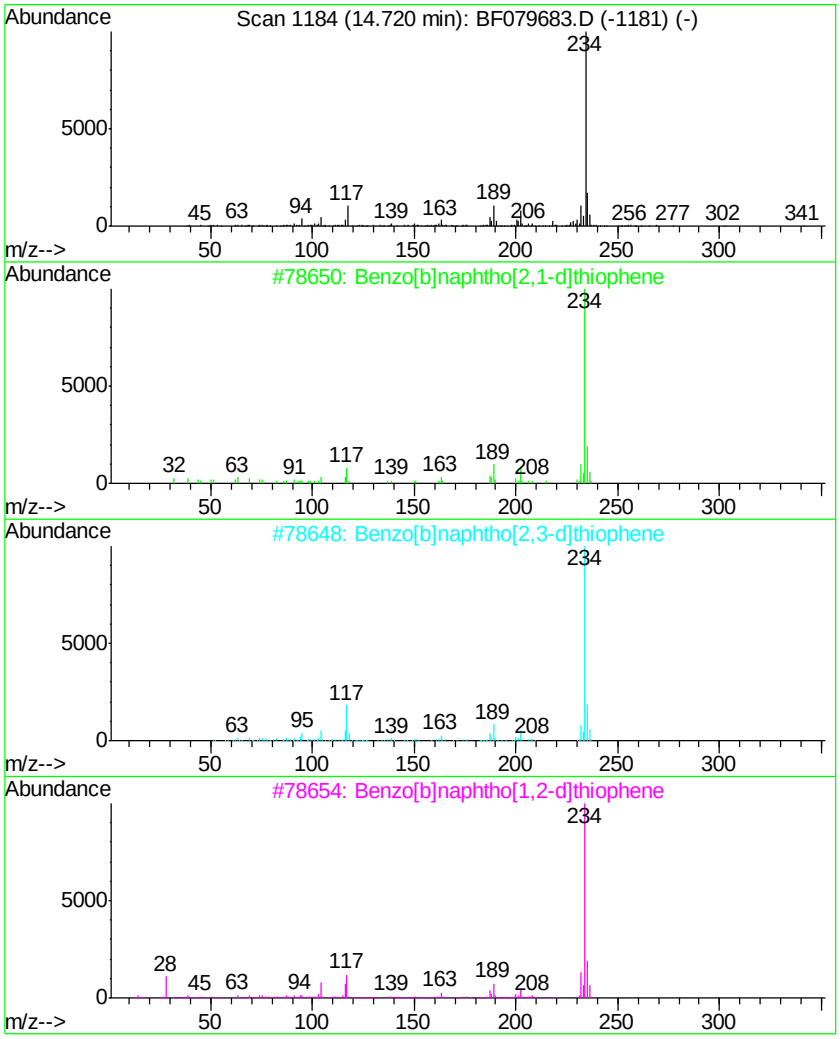
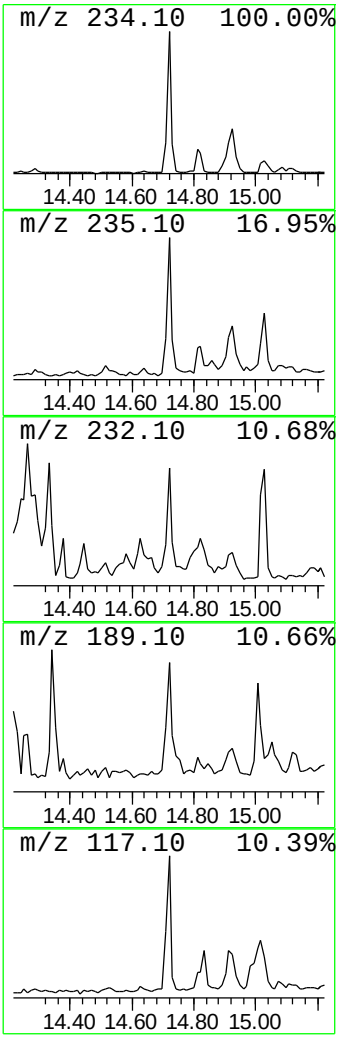
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	2.56 ng	377179	Chrysene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91
4	Anthra[1,9a,9-cd;5,10a,10-c'd']d...	234	C14H6N2O2	000201-91-2	59
5	2-Amino-6-t-butyl-3-cyano-4,5,6,...	234	C13H18N2S	042159-76-2	58





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Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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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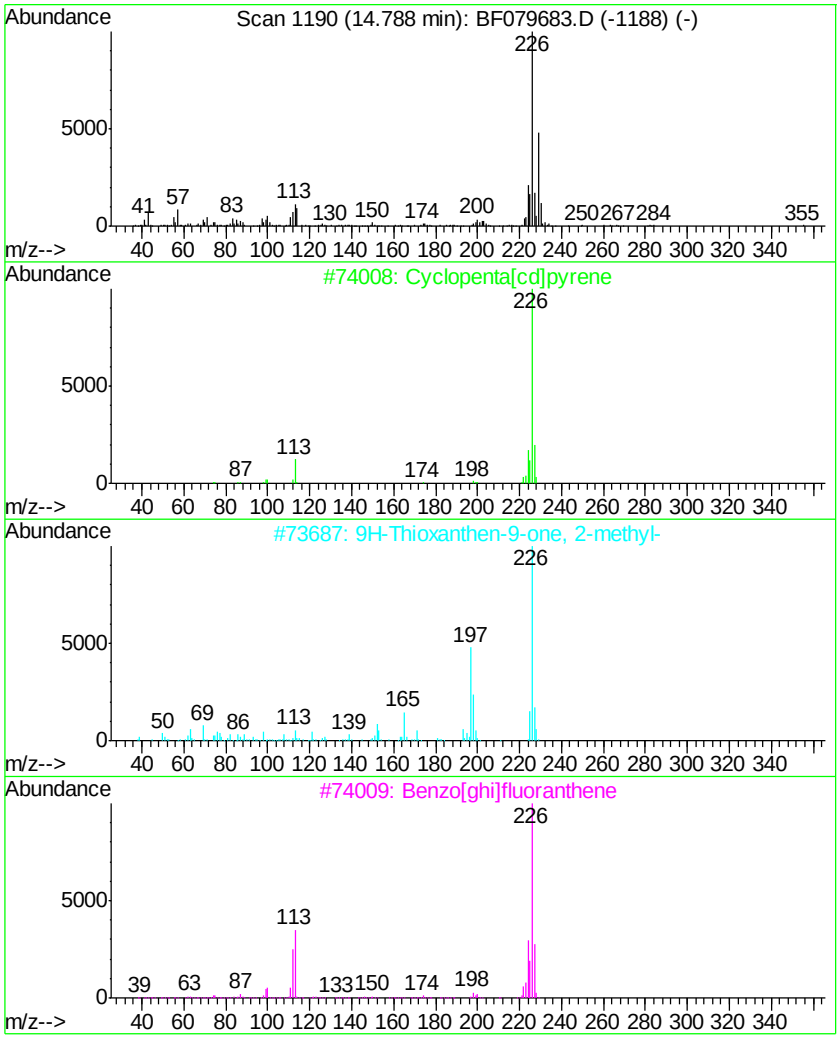
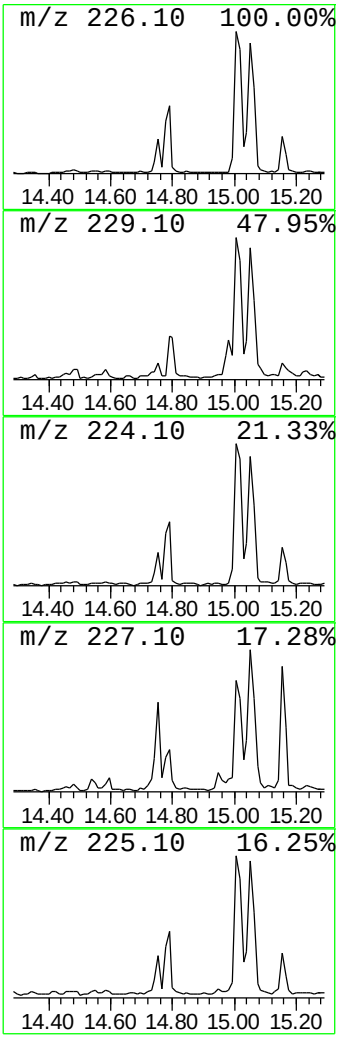
Peak Number 17 unknown14.79 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	3.17 ng	467806	Chrysene-d12	15.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
2	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	38
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
4	Benzene, 2-bromo-1,4-dichloro-	224	C6H3BrCl2	001435-50-3	37
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	37





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Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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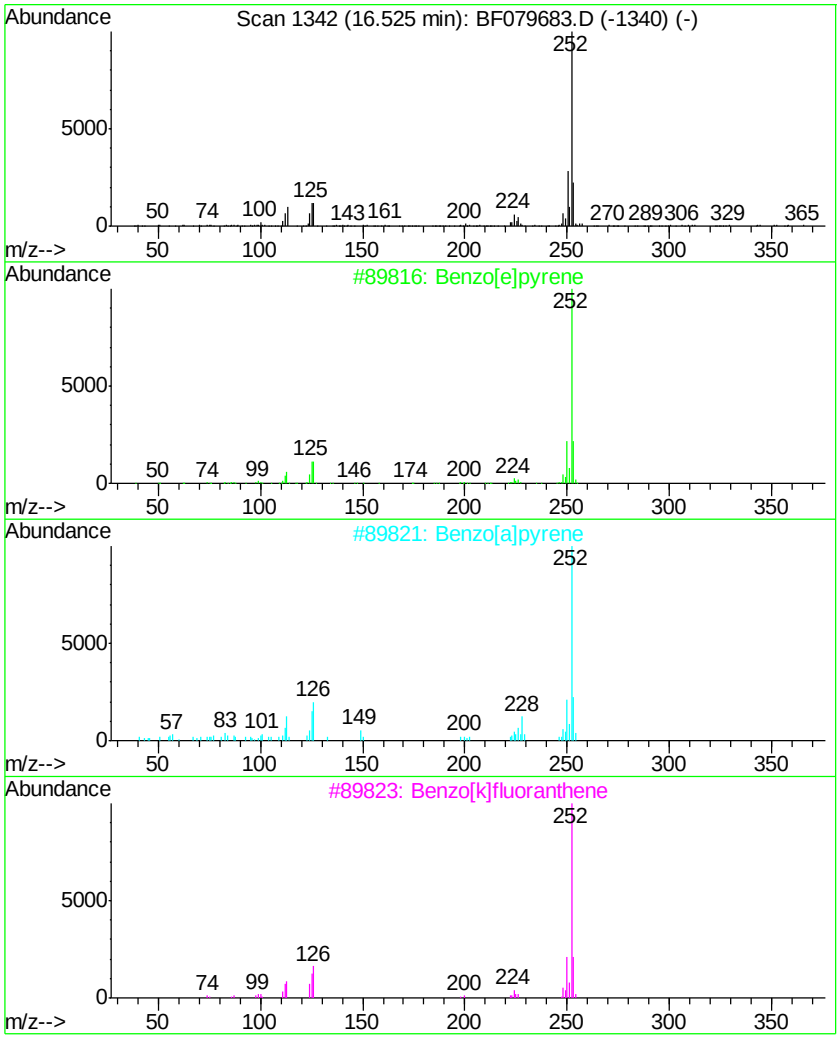
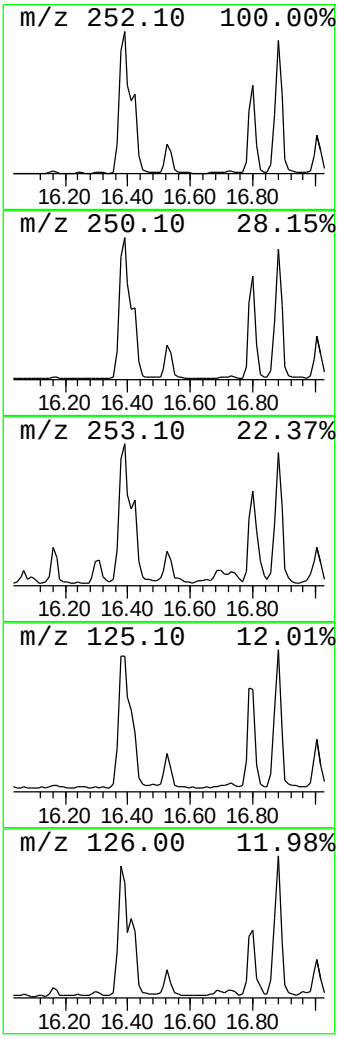
Peak Number 18 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	7.14 ng	327550	Perylene-d12	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	91
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	76





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Acq On : 4 Jun 2015 3:02
Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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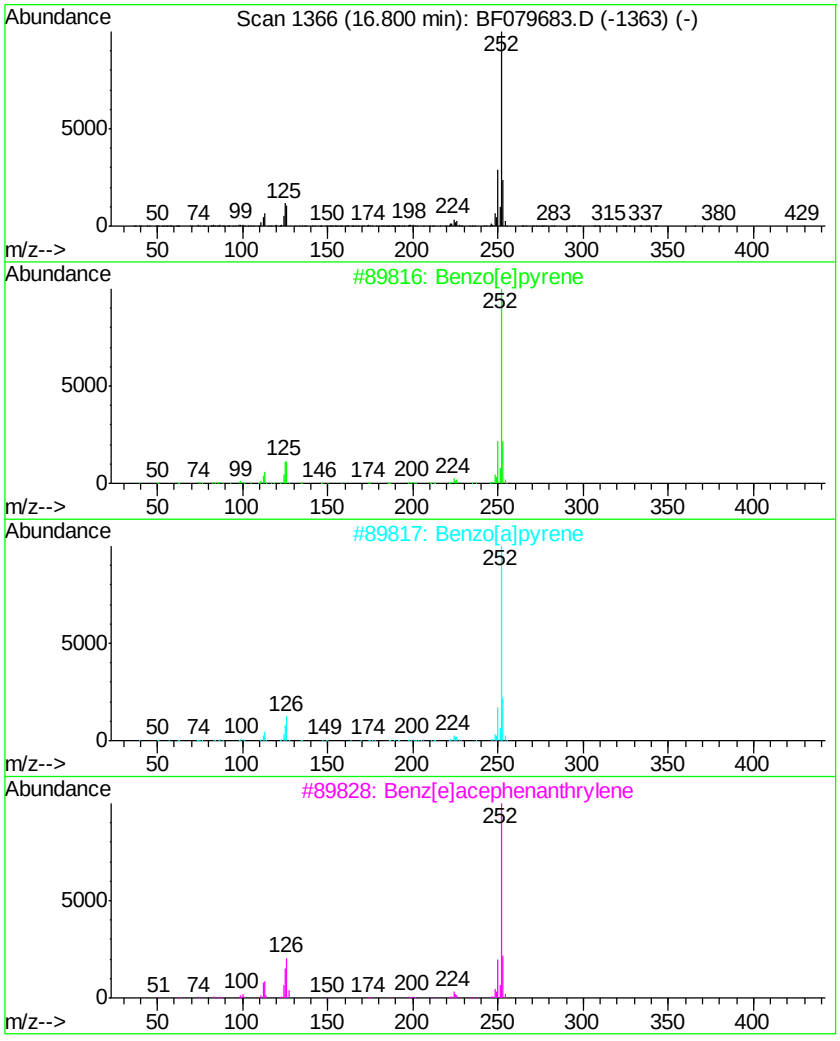
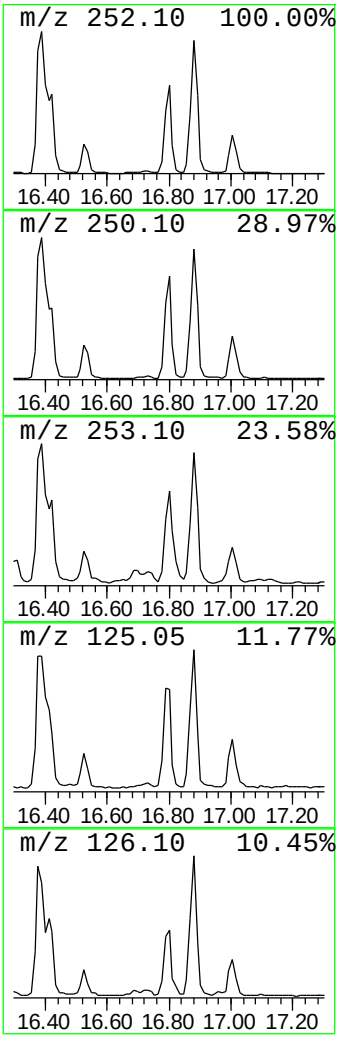
Peak Number 19 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	24.65 ng	1130360	Perylene-d12	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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Acq On : 4 Jun 2015 3:02
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Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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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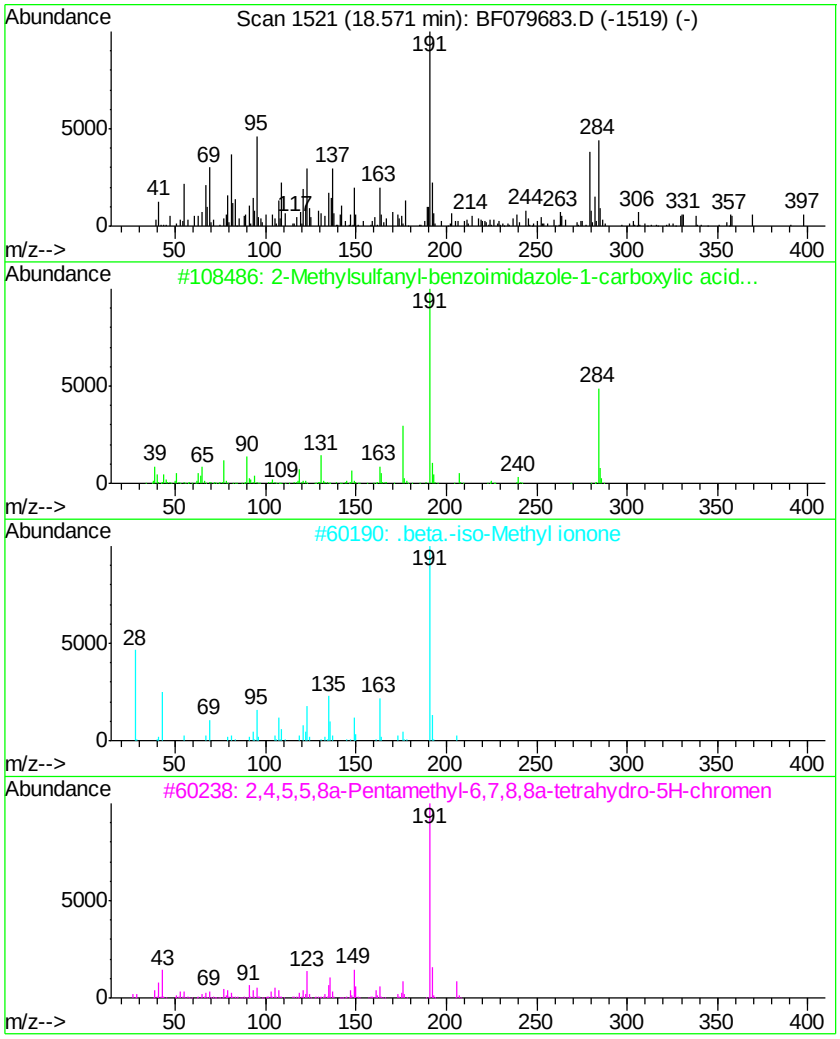
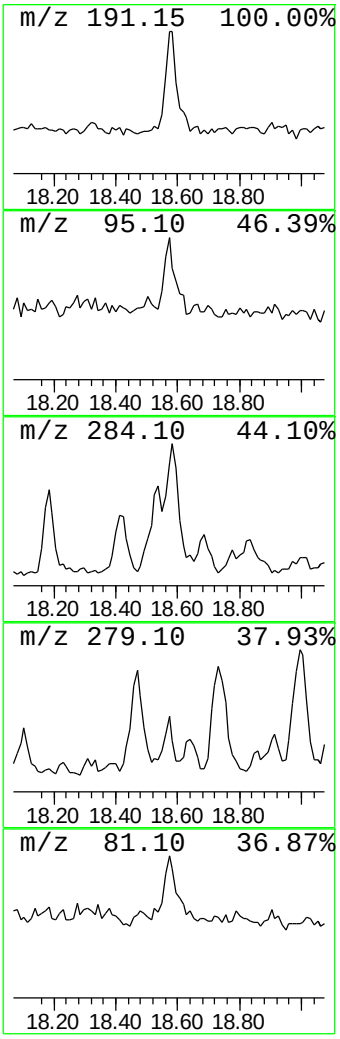
Peak Number 20 unknown18.57 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	5.40 ng	247513	Perylene-d12	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylsulfanyl-benzoimidazole-...	284	C15H12N2O2S	1000294-32-8	38
2	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	35
3	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	25
4	4-(3H-Imidazo[4,5-b]pyridin-2-yl...	342	C15H18N8S	1000276-08-2	22
5	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	22





Tentatively Identified Compound (LSC) summary

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Data File : BF079683.D
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Operator : TP/IZ
Sample : G2408-21
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-16D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.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
Ethene, 1,2-dichl...	1.52	63.0	ng	1565240	1	7.52	496927	20.0
unknown2.48	2.48	304.7	ng	7570390	1	7.52	496927	20.0
Butane, 2-methoxy...	2.95	13.9	ng	346610	1	7.52	496927	20.0
unknown7.29	7.29	82.3	ng	2044370	1	7.52	496927	20.0
Phenanthrene, 2-m...	12.62	7.2	ng	324367	4	12.10	897755	20.0
Anthracene, 1-met...	12.64	7.1	ng	320159	4	12.10	897755	20.0
4H-Cyclopenta[def...	12.74	13.7	ng	612814	4	12.10	897755	20.0
2-Phenylnaphthalene	12.91	7.0	ng	314888	4	12.10	897755	20.0
Phenanthrene, 2,5...	13.20	5.1	ng	227273	4	12.10	897755	20.0
Phenanthrene, 2,3...	13.23	4.2	ng	186323	4	12.10	897755	20.0
Cyclopenta(def)ph...	13.29	4.8	ng	217839	4	12.10	897755	20.0
Pyrene, 1-methyl-	13.87	2.8	ng	410032	5	15.03	2952380	20.0
Fluoranthene, 2-m...	13.99	4.3	ng	630300	5	15.03	2952380	20.0
Benzo[b]naphtho[2...	14.72	2.6	ng	377179	5	15.03	2952380	20.0
unknown14.79	14.79	3.2	ng	467806	5	15.03	2952380	20.0
Benzo[e]pyrene	16.53	7.1	ng	327550	6	16.96	916976	20.0
Perylene	16.80	24.6	ng	1130360	6	16.96	916976	20.0
unknown18.57	18.57	5.4	ng	247513	6	16.96	916976	20.0