

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
 Data File : BF082059.D
 Acq On : 5 Oct 2015 22:29
 Operator : UM/IZ
 Sample : G3891-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FD-1

Manual Integrations
 APPROVED

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 10/6/2015 2:54:36 PM

Quant Time: Oct 06 01:40:38 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 05 17:58:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	105107	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	406594	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	175984	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	304574	20.00	ng	0.00
75) Chrysene-d12	14.06	240	245182	20.00	ng	0.00
86) Perylene-d12	15.51	264	197838	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	652510	112.70	ng	0.01
7) Phenol-d6	6.51	99	770644	105.77	ng	0.00
23) Nitrobenzene-d5	7.45	82	500928	82.13	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	197430	110.77	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	903048	86.08	ng	0.00
78) Terphenyl-d14	13.01	244	775013	111.47	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.65	163	190397	15.67	ng	Qvalue # 97
70) Phenanthrene	11.44	178	114866	6.41	ng	98
71) Anthracene	11.49	178	36838	2.38	ng	98
74) Fluoranthene	12.63	202	219273	13.44	ng	87
77) Pyrene	12.86	202	222135	15.17	ng	97
80) Benzo(a)anthracene	14.05	228	111102	8.42	ng	# 86
82) Chrysene	14.08	228	135691m	9.00	ng	
85) Indeno(1,2,3-cd)pyrene	16.94	276	41391	4.01	ng	# 79
87) Benzo(b)fluoranthene	15.09	252	124672m	11.04	ng	
88) Benzo(k)fluoranthene	15.10	252	60443m	5.84	ng	
89) Benzo(a)pyrene	15.44	252	87904	8.97	ng	# 89
91) Benzo(a,h,i)perylene	17.36	276	42324	5.02	ng	# 78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

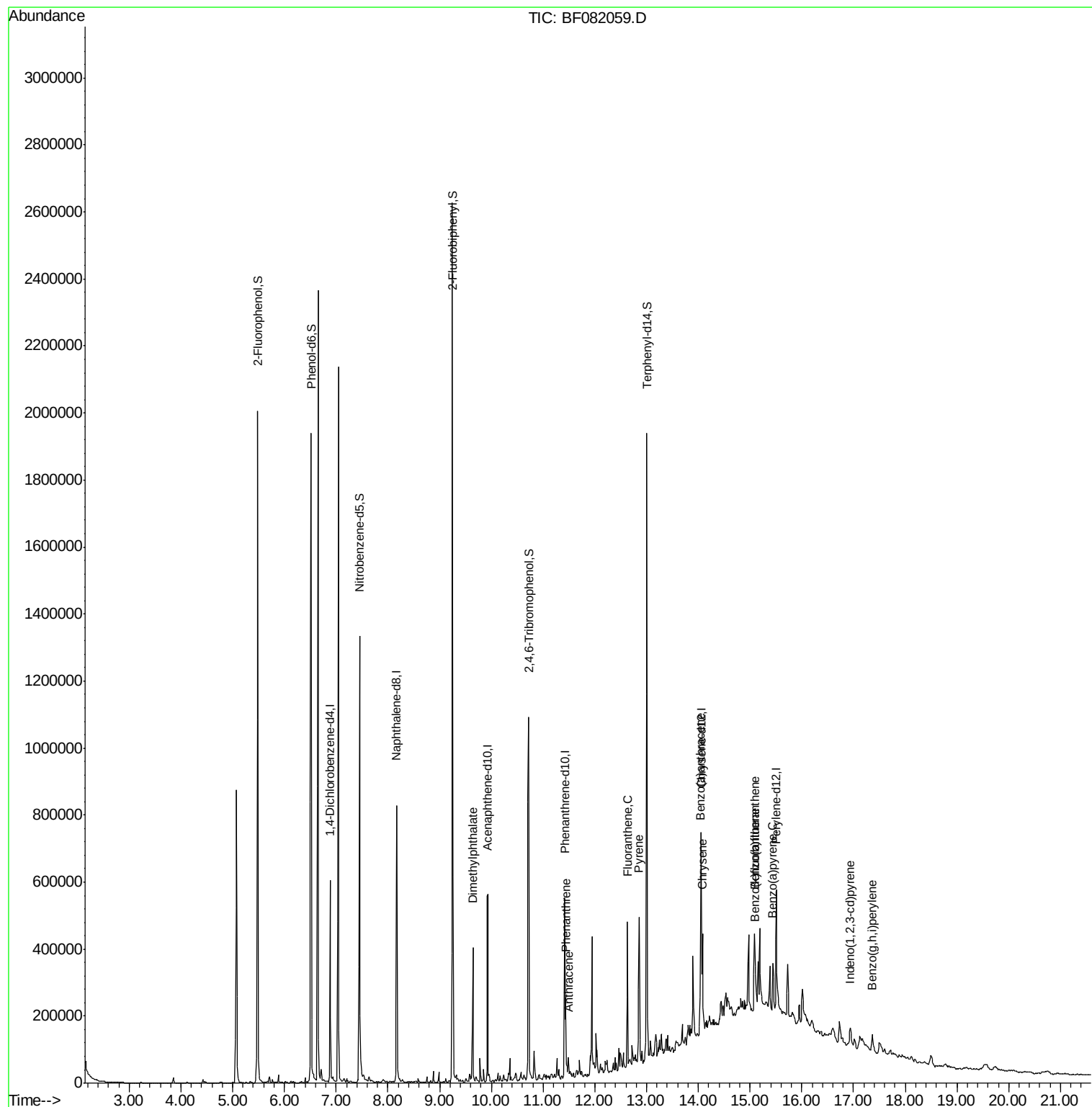
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082059.D
Acq On : 5 Oct 2015 22:29
Operator : UM/IZ
Sample : G3891-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

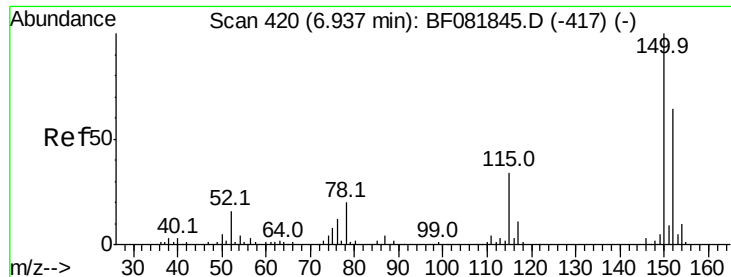
Instrument :
BNA_F
ClientSampleId :
FD-1

Quant Time: Oct 06 01:40:38 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF082059.D

Acq: 5 Oct 2015 22:29

Instrument :

BNA_F

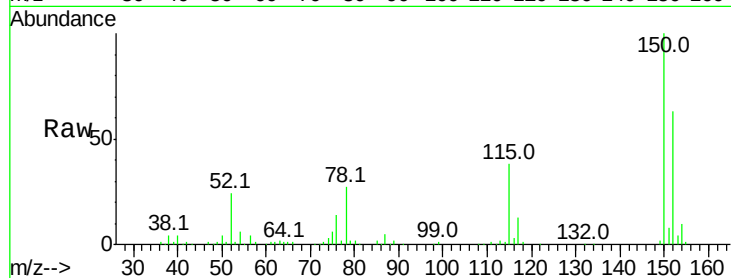
ClientSampleId :

FD-1

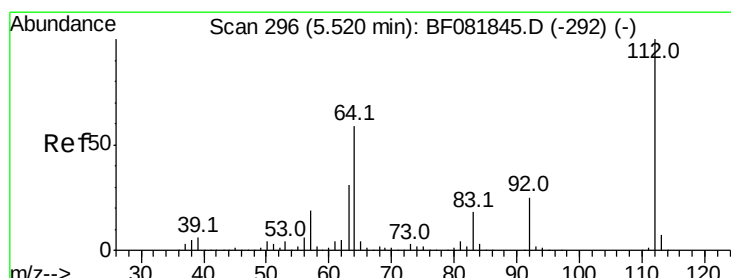
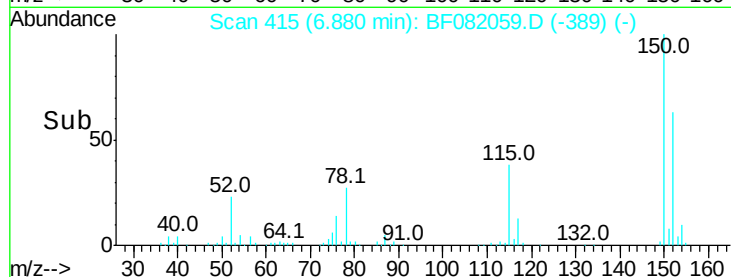
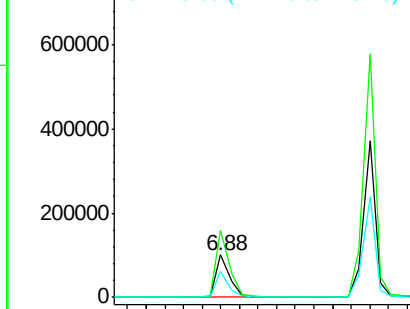
Tot Ion:	152	Resp:	105107
Ion Ratio	Lower	Upper	
152	100		
150	158.2	124.7	187.1
115	60.8	39.0	58.4

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 112.70 ng

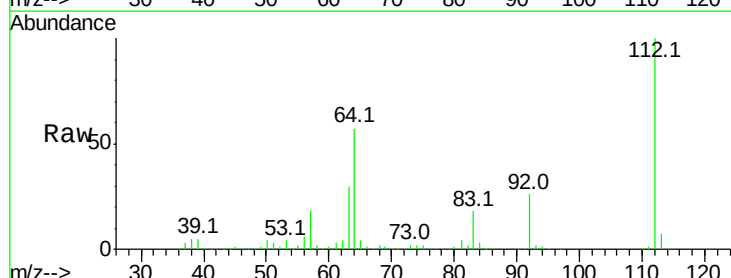
RT: 5.49 min Scan# 293

Delta R.T. 0.01 min

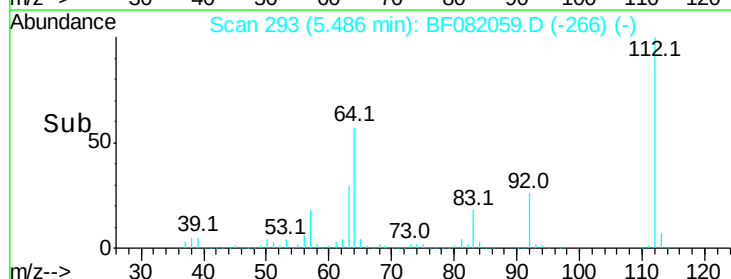
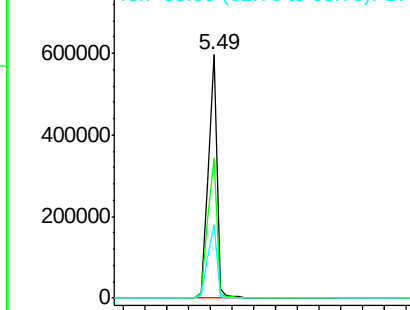
Lab File: BF082059.D

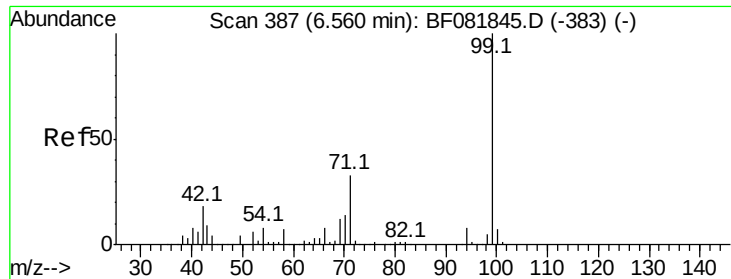
Acq: 5 Oct 2015 22:29

Tgt Ion:	112	Resp:	652510
Ion Ratio	Lower	Upper	
112	100		
64	57.2	39.7	59.5
63	30.3	17.4	26.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.77 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF082059.D

Acq: 5 Oct 2015 22:29

Instrument :

BNA_F

ClientSampleId :

FD-1

Tot Ion: 99 Resp: 770644

Ion Ratio Lower Upper

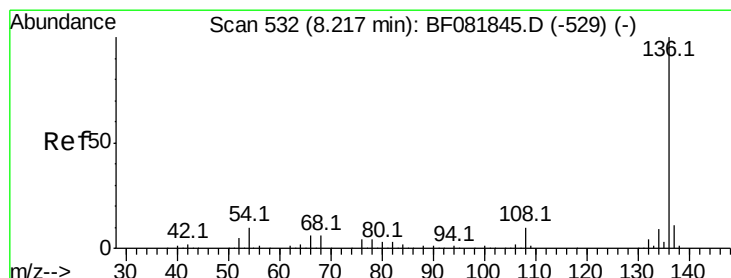
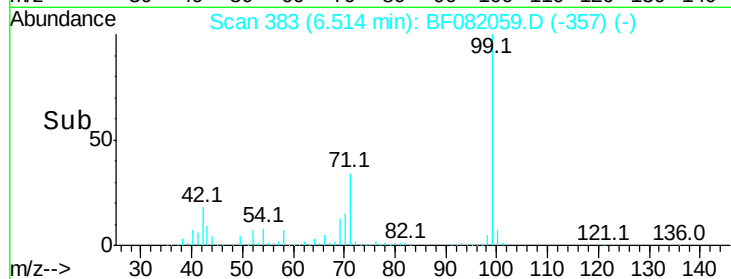
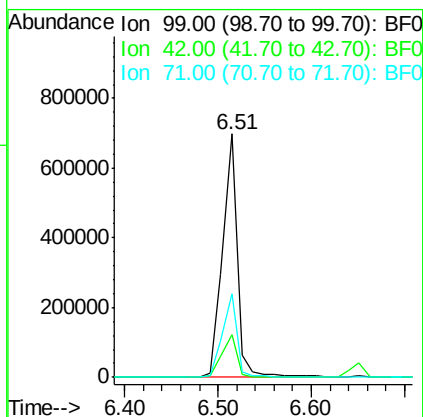
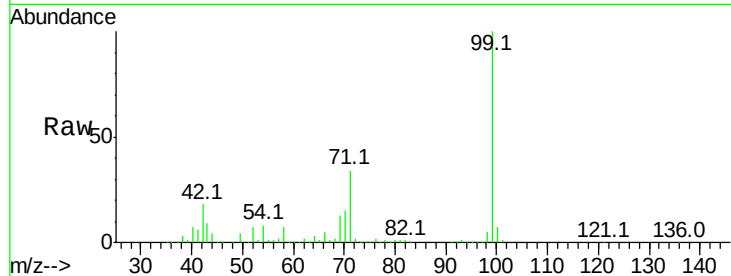
99 100

42 17.6 13.7 20.5

71 34.3 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF082059.D

Acq: 5 Oct 2015 22:29

Tgt Ion: 136 Resp: 406594

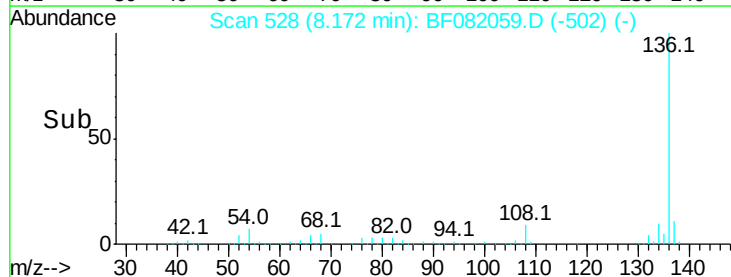
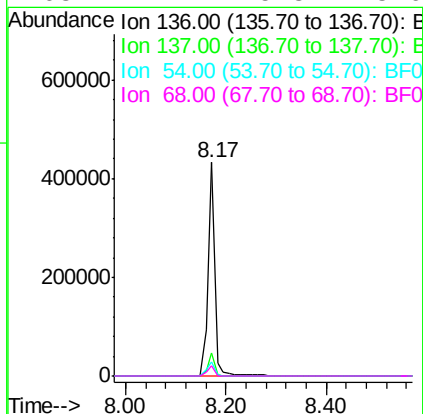
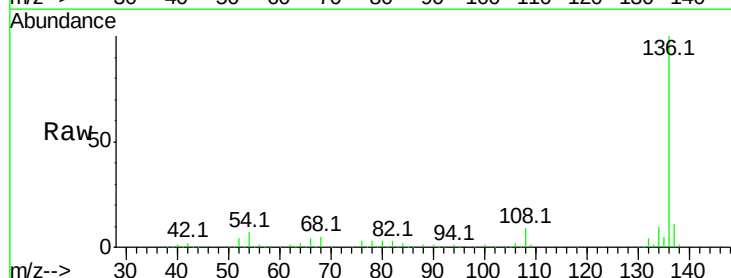
Ion Ratio Lower Upper

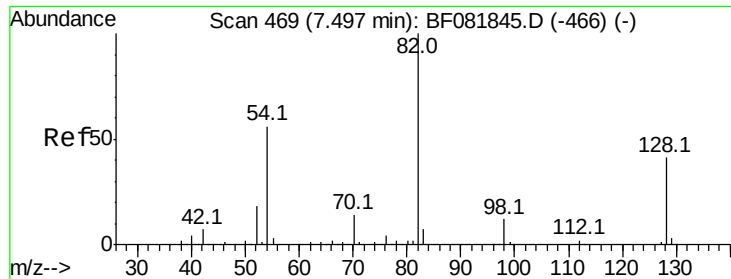
136 100

137 10.8 9.0 13.6

54 6.6 8.2 12.2#

68 4.7 5.8 8.6#





#23

Nitrobenzene-d5

Concen: 82.13 ng

RT: 7.45 min Scan# 465

Delta R.T. -0.00 min

Lab File: BF082059.D

Acq: 5 Oct 2015 22:29

Instrument :

BNA_F

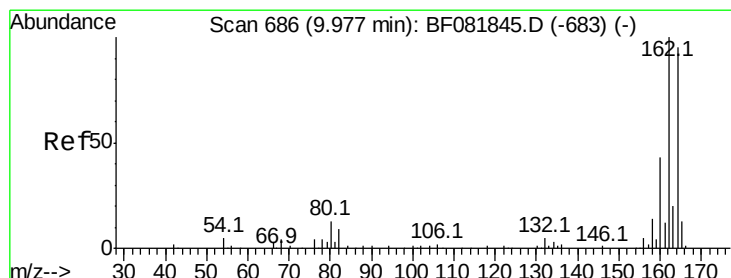
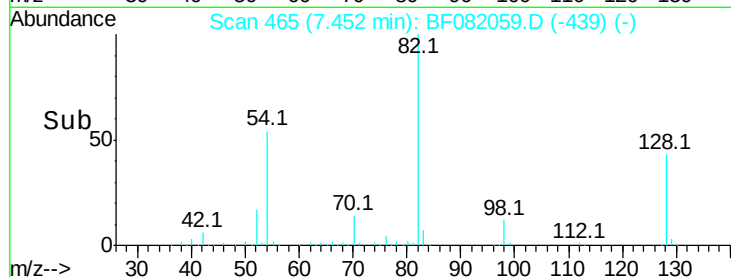
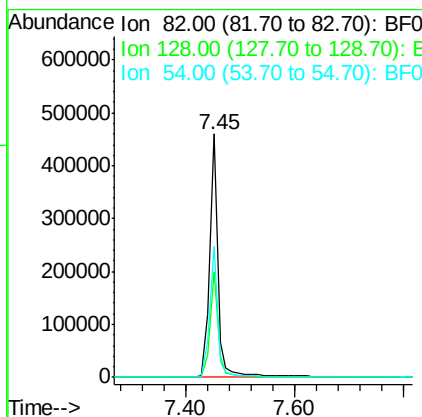
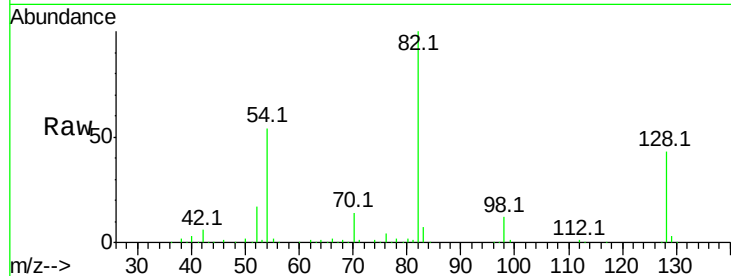
ClientSampled :

FD-1

Tot Ion:	82	Resp:	500928
Ion Ratio	Lower	Upper	
82	100		
128	43.1	51.0	76.6#
54	53.7	47.5	71.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

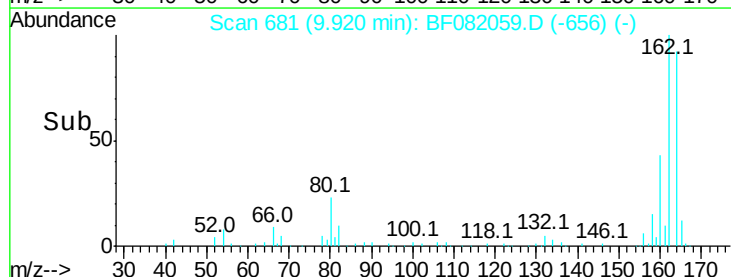
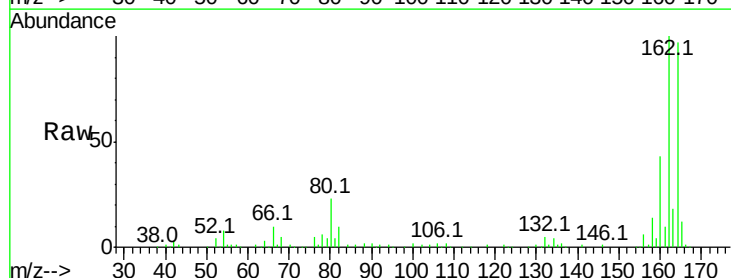
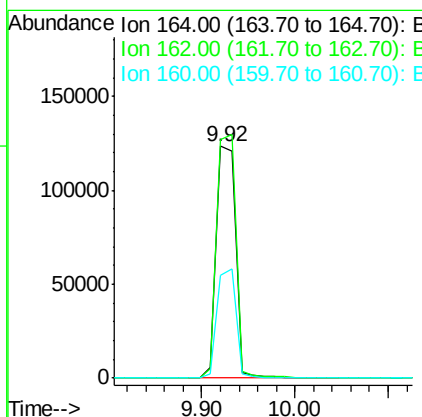
RT: 9.92 min Scan# 681

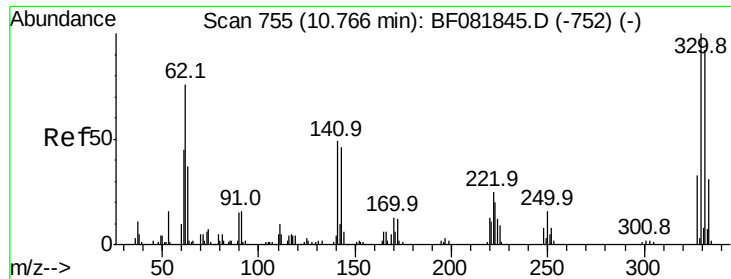
Delta R.T. -0.01 min

Lab File: BF082059.D

Acq: 5 Oct 2015 22:29

Tgt Ion:	164	Resp:	175984
Ion Ratio	Lower	Upper	
164	100		
162	103.1	75.2	112.8
160	44.4	31.5	47.3





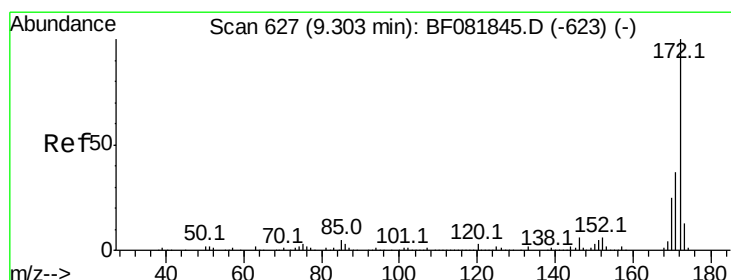
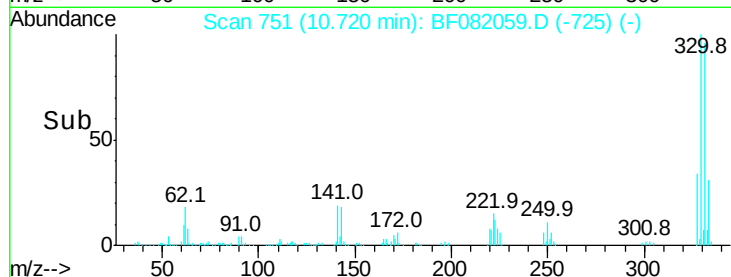
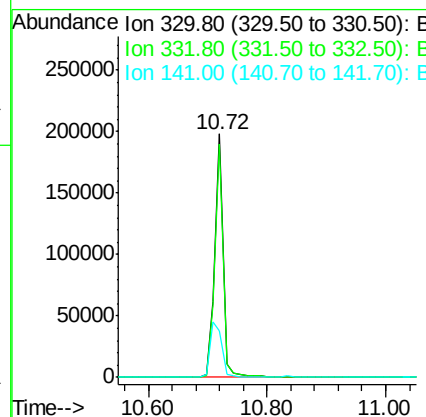
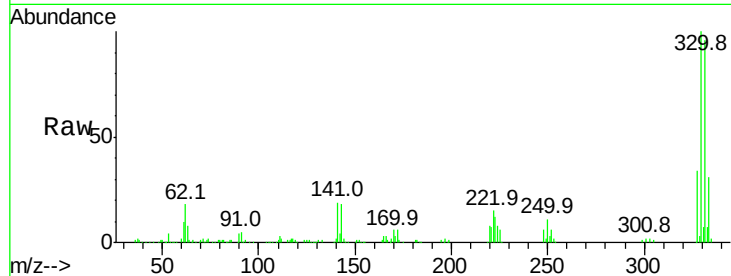
#41
 2,4,6-Tribromophenol
 Concen: 110.77 ng
 RT: 10.72 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF082059.D
 Acq: 5 Oct 2015 22:29

Instrument :
 BNA_F
 ClientSampled :
 FD-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	197430		
332	95.9	76.6	114.8	
141	32.6	29.7	44.5	

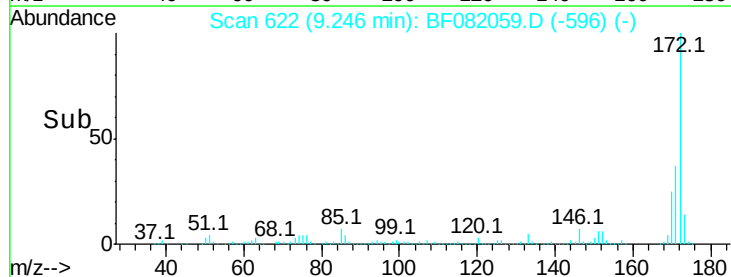
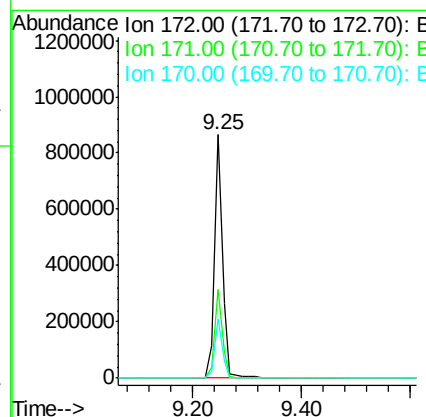
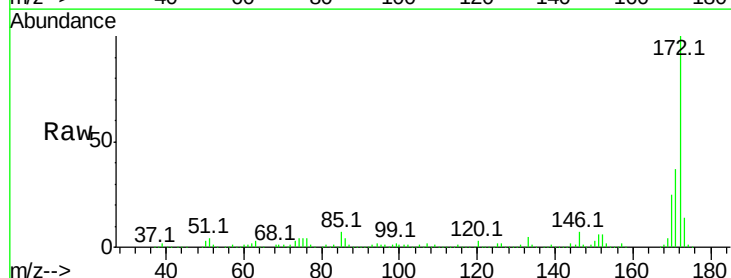
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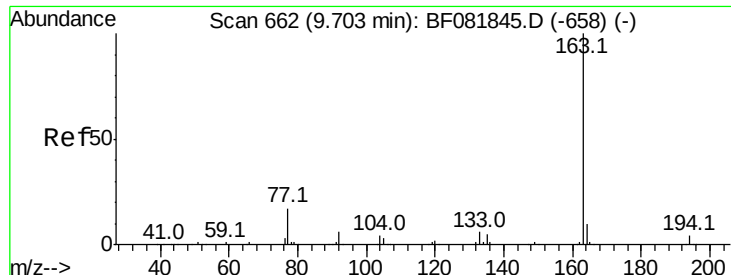
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#44
 2-Fluorobiphenyl
 Concen: 86.08 ng
 RT: 9.25 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF082059.D
 Acq: 5 Oct 2015 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	903048		
171	36.5	26.1	39.1	
170	24.6	17.4	26.2	





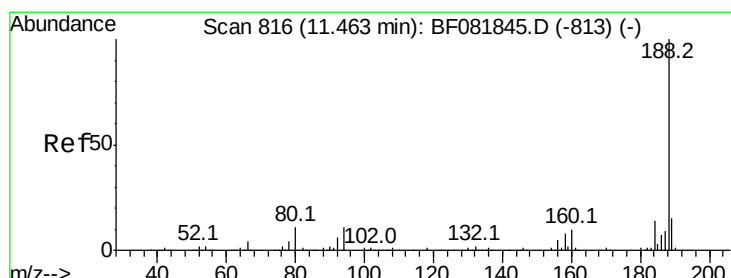
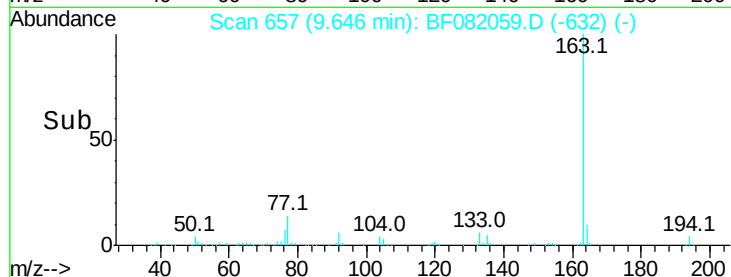
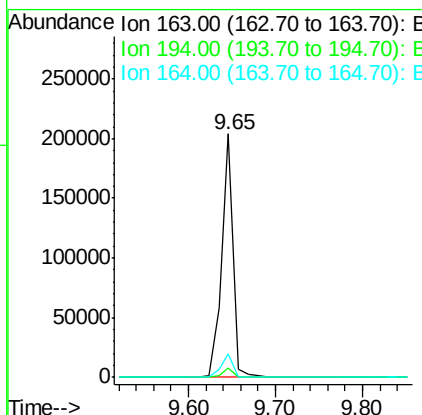
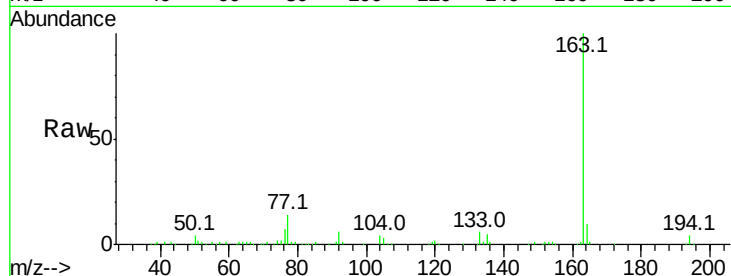
#49
Dimethylphthalate
Concen: 15.67 ng
RT: 9.65 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF082059.D
Acq: 5 Oct 2015 22:29

Instrument :
BNA_F
ClientSampled :
FD-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	190397		
194	3.6		4.4	6.6#
164	9.7		8.3	12.5

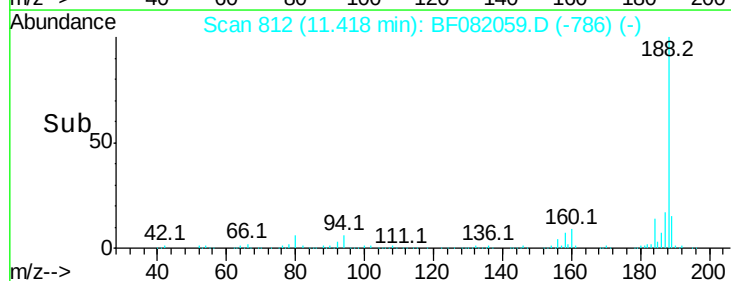
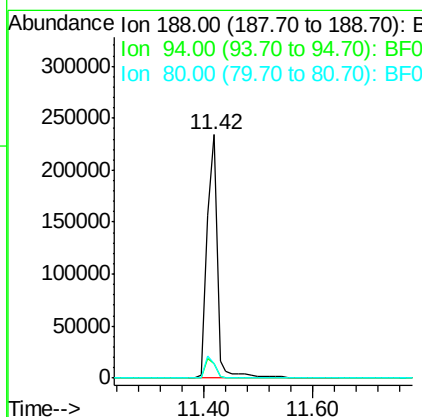
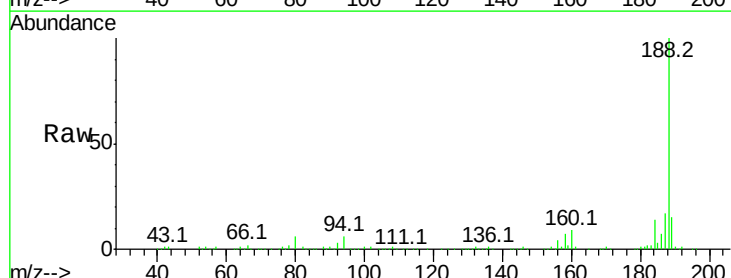
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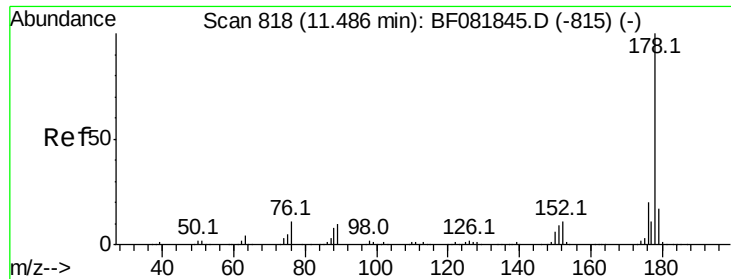
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF082059.D
Acq: 5 Oct 2015 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	304574		
94	6.0		11.1	16.7#
80	6.1		11.0	16.4#





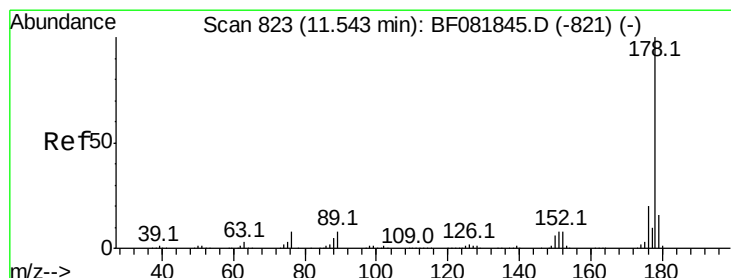
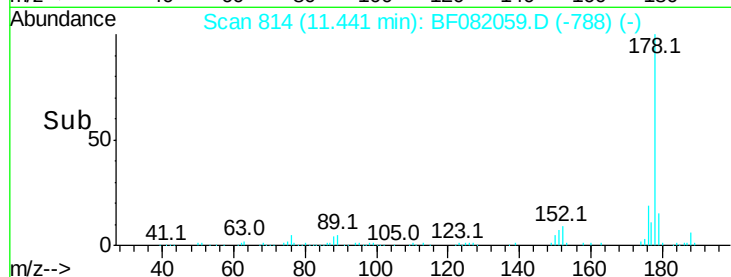
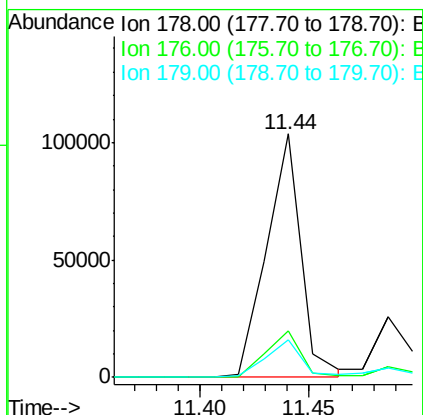
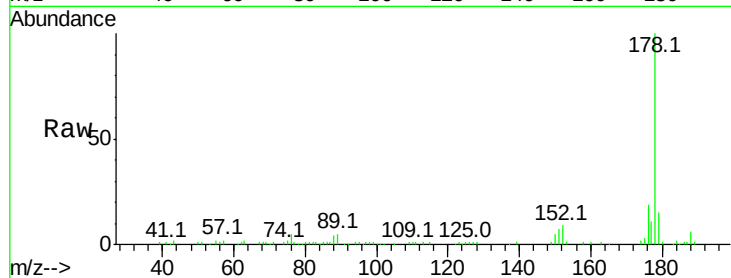
#70
Phenanthrene
Concen: 6.41 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF082059.D
Acq: 5 Oct 2015 22:29

Instrument :
BNA_F
ClientSampled :
FD-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	13.8	20.8
179	15.2	12.2	18.2

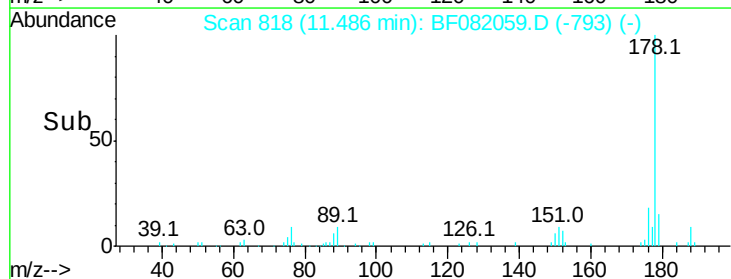
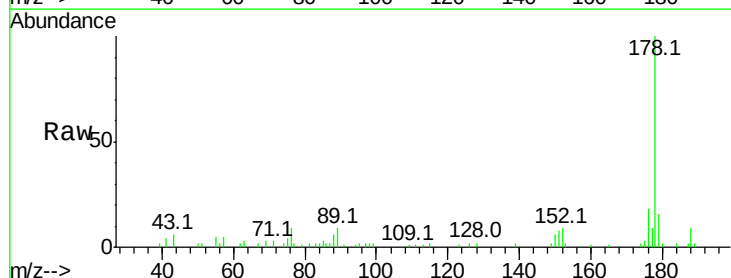
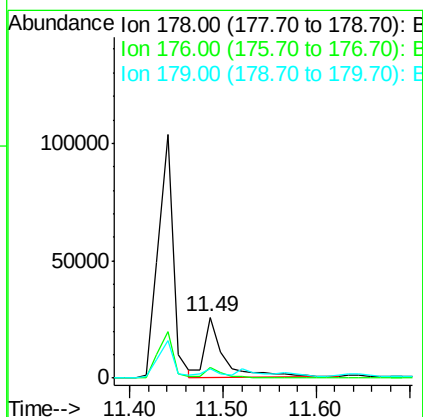
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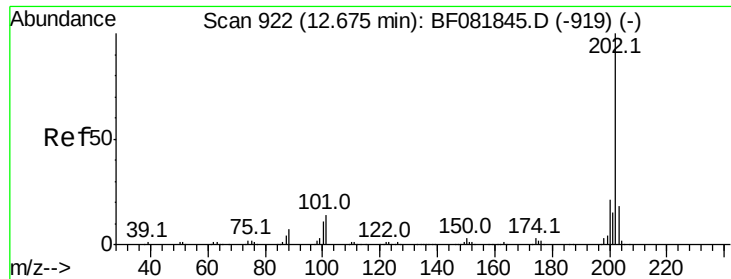
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#71
Anthracene
Concen: 2.38 ng
RT: 11.49 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF082059.D
Acq: 5 Oct 2015 22:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.1	21.1
179	16.4	12.2	18.2





#74

Fluoranthene

Concen: 13.44 ng

RT: 12.63 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF082059.D

Acq: 5 Oct 2015 22:29

Instrument :

BNA_F

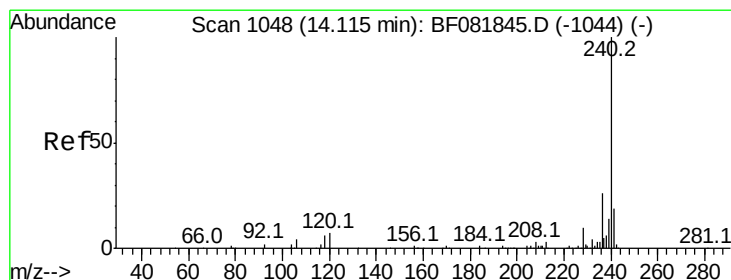
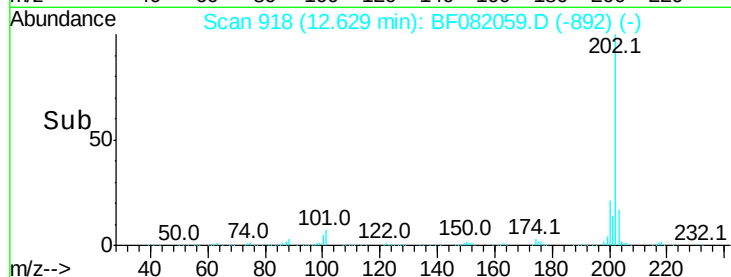
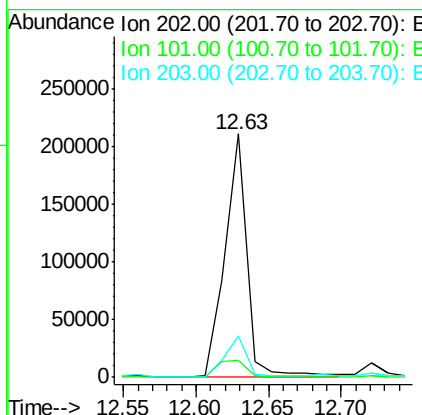
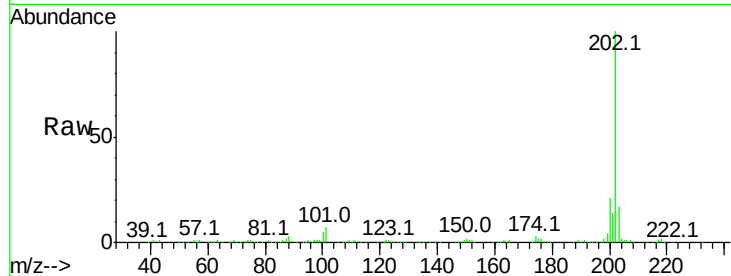
ClientSampled :

FD-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	6.8	0.0	38.3
203	17.2	0.0	37.3

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

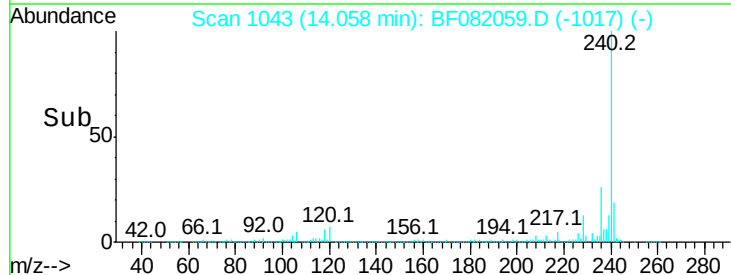
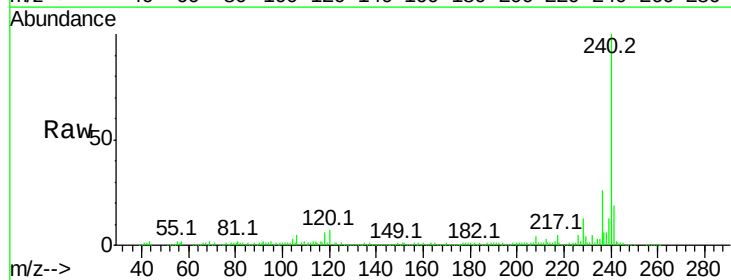
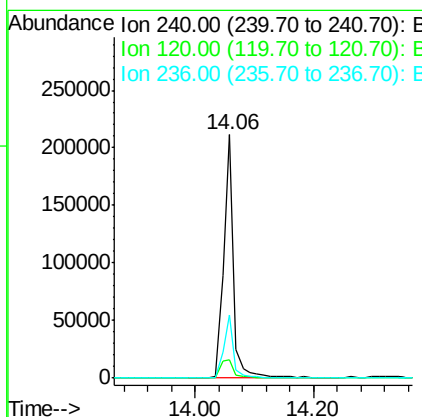
RT: 14.06 min Scan# 1043

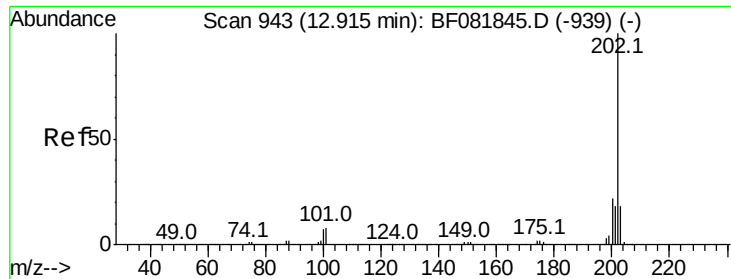
Delta R.T. -0.00 min

Lab File: BF082059.D

Acq: 5 Oct 2015 22:29

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	7.5	16.2	24.2#
236	25.8	18.4	27.6





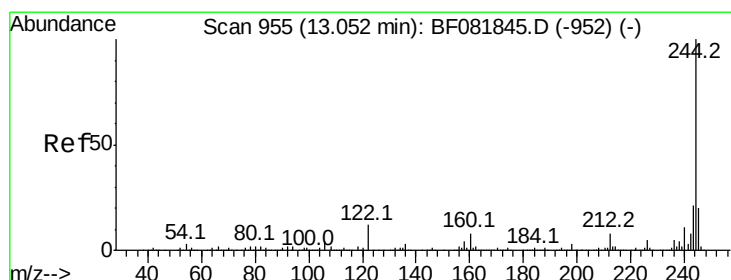
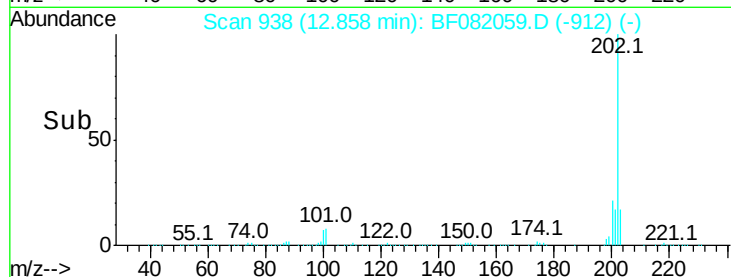
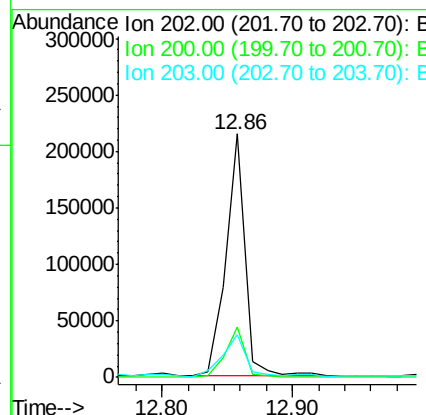
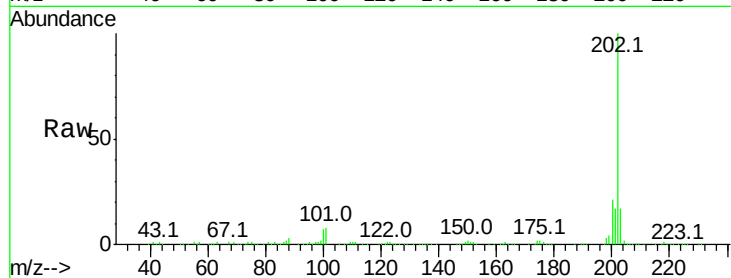
#77
Pvrene
Concen: 15.17 ng
RT: 12.86 min Scan# 938
Delta R.T. -0.00 min
Lab File: BF082059.D
Acq: 5 Oct 2015 22:29

Instrument :
BNA_F
ClientSampleId :
FD-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	15.0	22.4
203	17.5	14.1	21.1

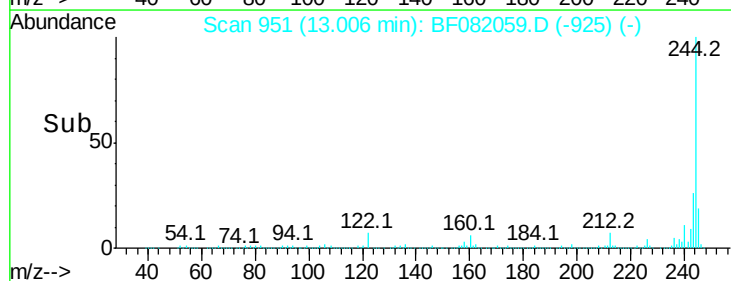
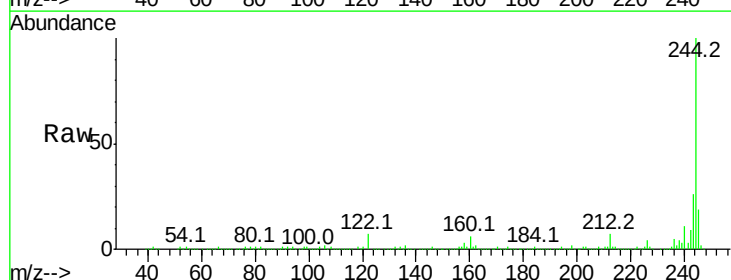
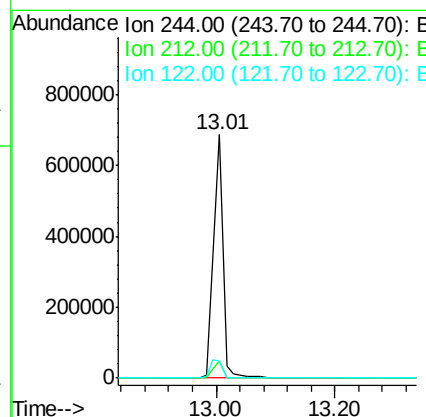
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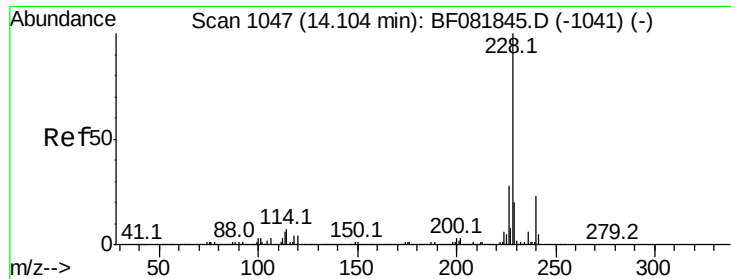
MMDadoda
10/6/2015 2:54:36 PM



#78
Terphenyl-d14
Concen: 111.47 ng
RT: 13.01 min Scan# 951
Delta R.T. -0.00 min
Lab File: BF082059.D
Acq: 5 Oct 2015 22:29

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	4.3	6.5#
122	7.3	17.4	26.2#





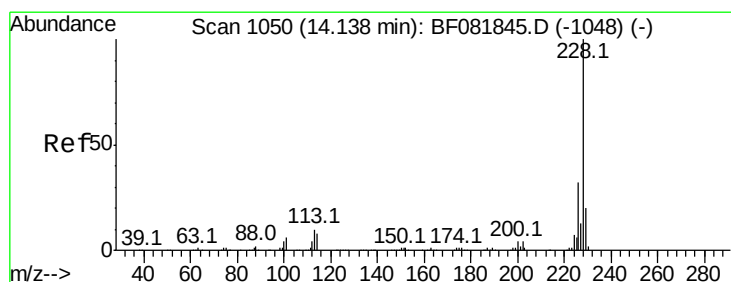
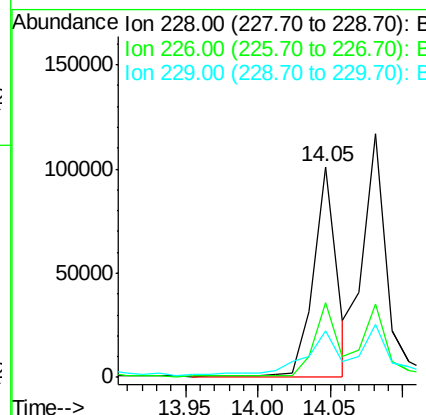
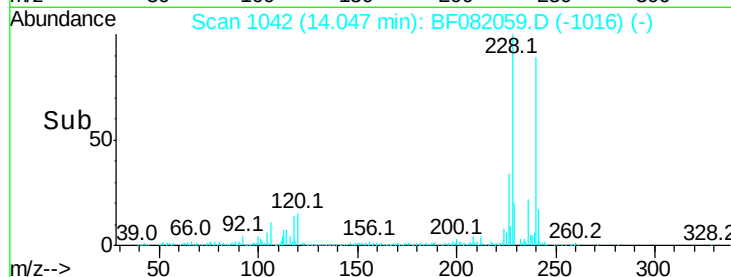
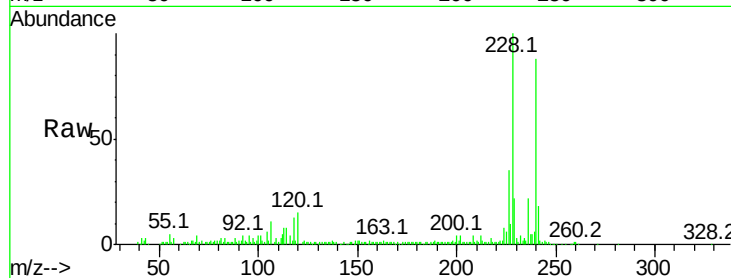
#80
Benzo(a)anthracene
Concen: 8.42 ng
RT: 14.05 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BF082059.D
Acq: 5 Oct 2015 22:29

Instrument :
BNA_F
ClientSampleId :
FD-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.3	20.0	30.0#
229	22.0	15.4	23.2

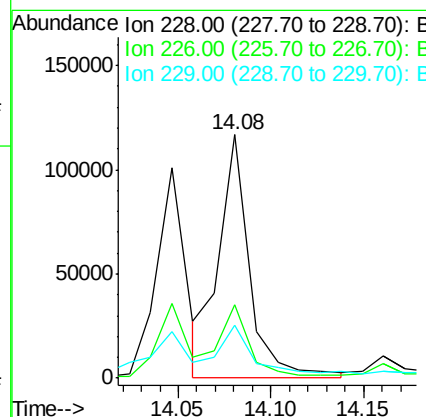
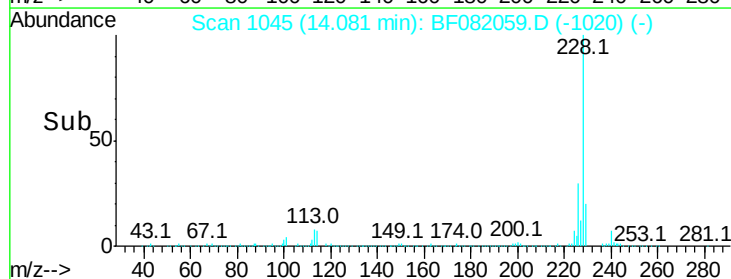
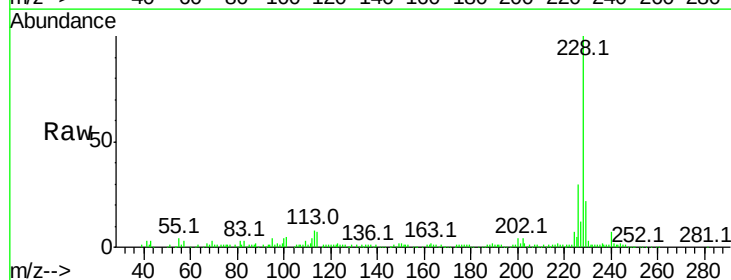
Manual Integrations
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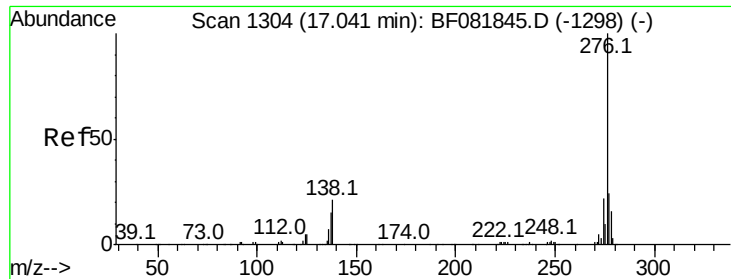
MMDadoda
10/6/2015 2:54:36 PM



#82
Chrysene
Concen: 9.00 ng m
RT: 14.08 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF082059.D
Acq: 5 Oct 2015 22:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	21.0	31.4
229	21.7	15.6	23.4





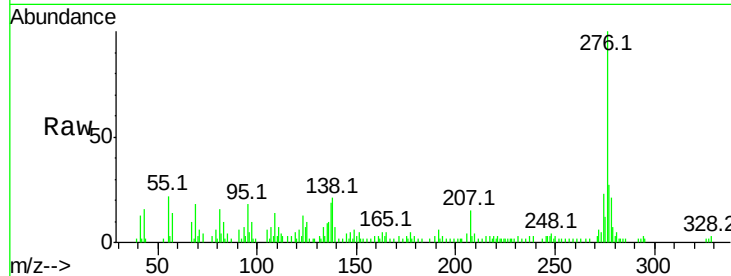
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.01 ng
RT: 16.94 min Scan# 1295
Delta R.T. -0.00 min
Lab File: BF082059.D
Acq: 5 Oct 2015 22:29

Instrument :
BNA_F
ClientSampled :
FD-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.3	25.7	38.5#
277	27.5	15.6	23.4#

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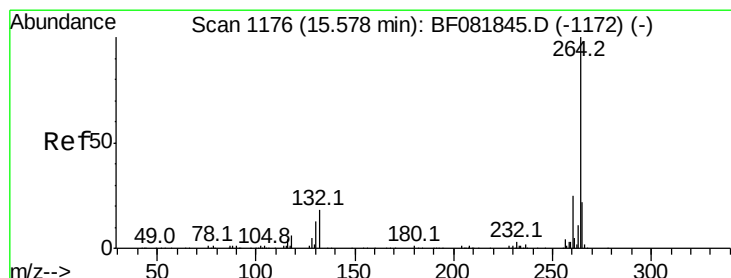
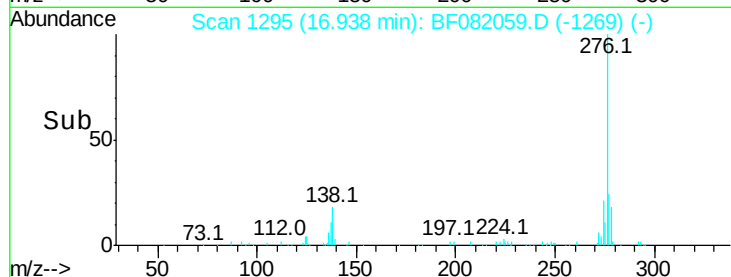
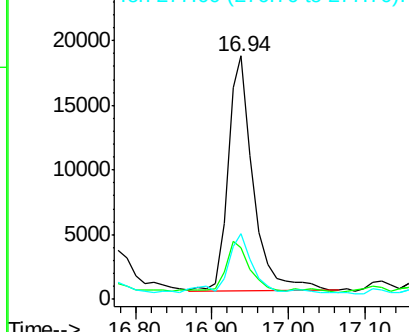


Abundance

Ion 276.00 (275.70 to 276.70): E

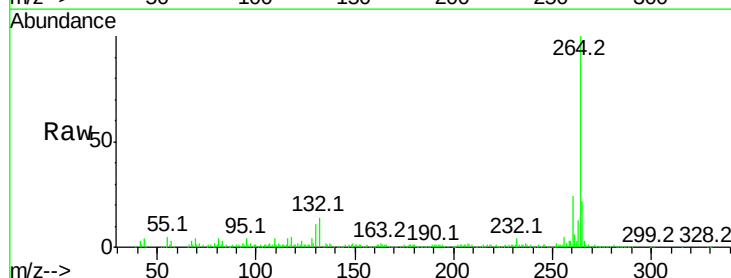
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF082059.D
Acq: 5 Oct 2015 22:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	16.7	25.1
265	21.6	17.2	25.8

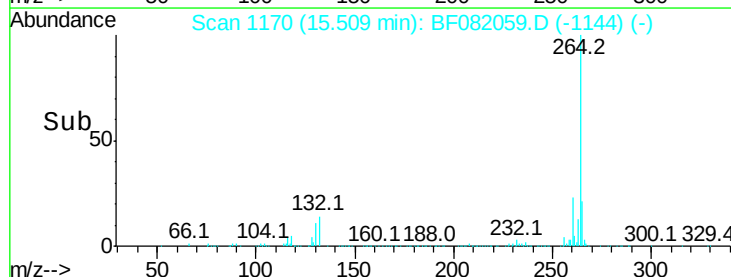
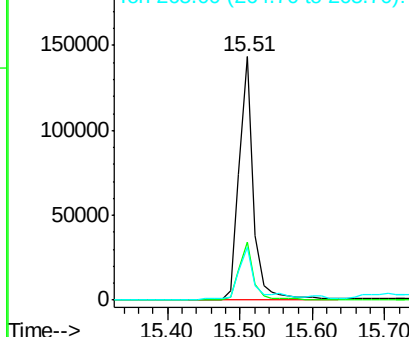


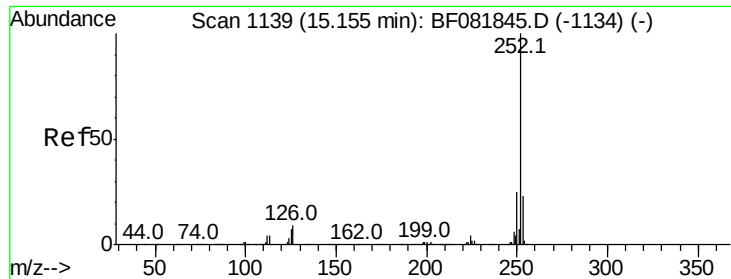
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 11.04 ng m

RT: 15.09 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF082059.D

Acq: 5 Oct 2015 22:29

Instrument :

BNA_F

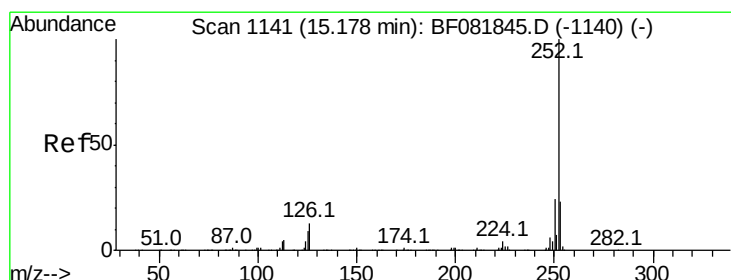
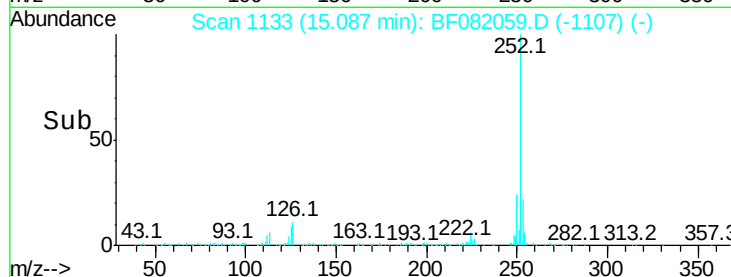
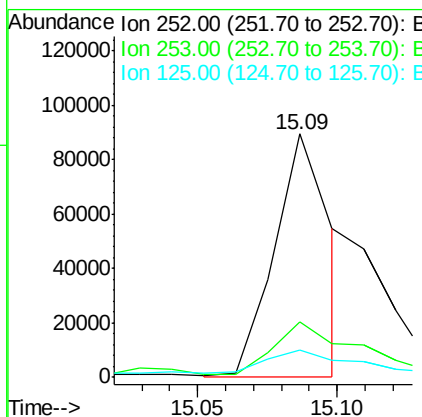
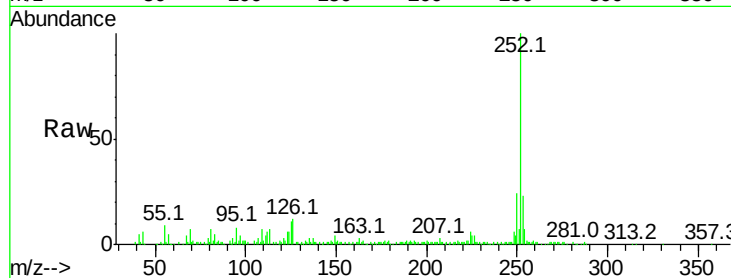
ClientSampleId :

FD-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	22.5	17.5	26.3		
125	11.1	17.1	25.7#		

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10/6/2015 2:54:36 PM



#88

Benzo(k)fluoranthene

Concen: 5.84 ng m

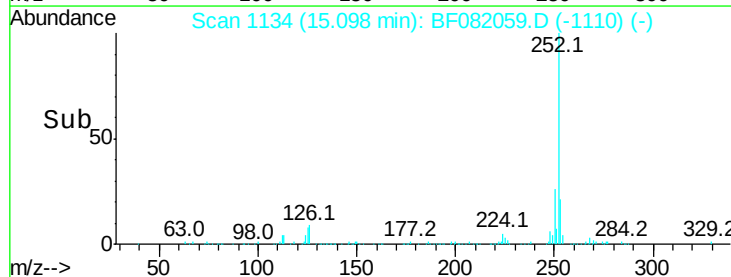
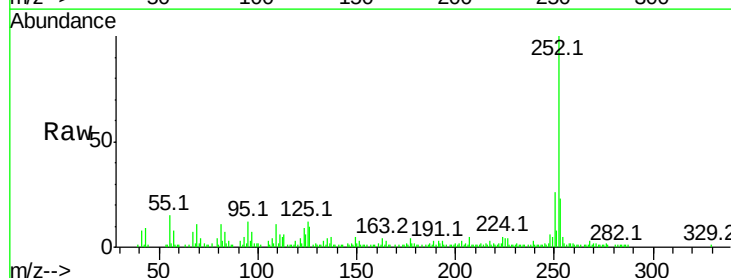
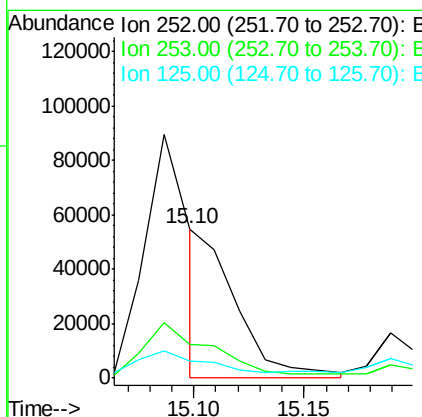
RT: 15.10 min Scan# 1134

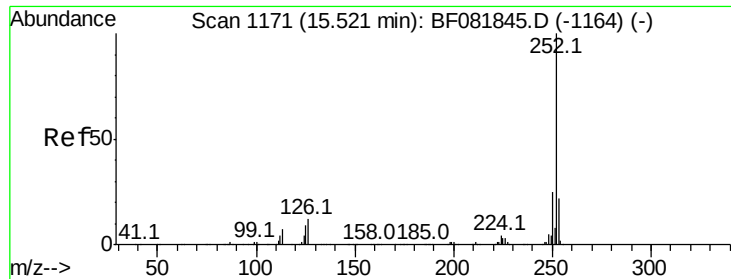
Delta R.T. -0.02 min

Lab File: BF082059.D

Acq: 5 Oct 2015 22:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	22.5	17.0	25.4		
125	11.6	16.0	24.0#		





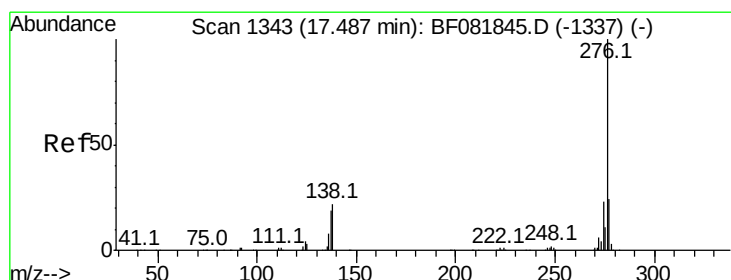
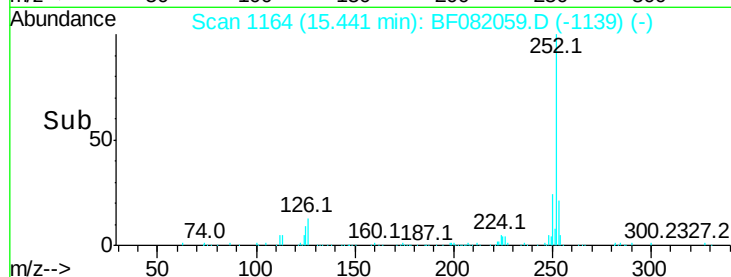
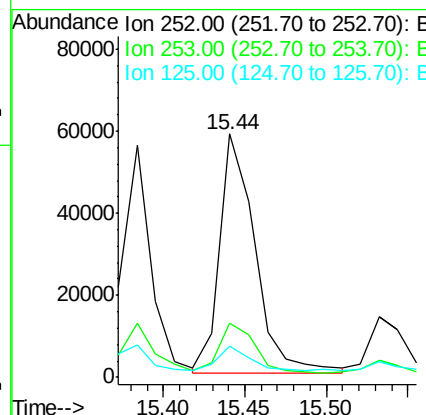
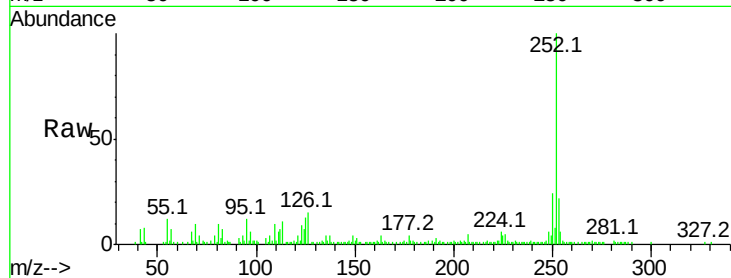
#89
Benzo(a)pyrene
Concen: 8.97 ng
RT: 15.44 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF082059.D
Acq: 5 Oct 2015 22:29

Instrument :
BNA_F
ClientSampled :
FD-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	12.8	18.0	27.0#

Manual Integrations
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10/6/2015 2:54:36 PM



#91
Benzo(g,h,i)perylene
Concen: 5.02 ng
RT: 17.36 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF082059.D
Acq: 5 Oct 2015 22:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.8	26.6
138	24.4	34.6	51.8#

