

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032817\
 Data File : BF094014.D
 Acq On : 29 Mar 2017 1:11
 Operator : SJ/MA
 Sample : I2414-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-P13-WSW

Manual Integrations
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Quant Time: Mar 29 04:22:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	169751	20.00	ng	-0.02
21) Naphthalene-d8	7.43	136	696727	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	318280	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	544989	20.00	ng	-0.03
75) Chrysene-d12	14.64	240	373510	20.00	ng	-0.04
86) Perylene-d12	16.27	264	289344	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	916196	91.16	ng	-0.01
7) Phenol-d6	5.53	99	1222984	98.36	ng	-0.02
23) Nitrobenzene-d5	6.57	82	858763	70.34	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	237959	94.61	ng	-0.03
44) 2-Fluorobiphenyl	8.75	172	1335893	64.02	ng	-0.03
78) Terphenyl-d14	13.37	244	838265	50.31	ng	-0.03
Target Compounds						
49) Dimethylphthalate	9.25	163	117836	5.21	ng	Qvalue # 99
70) Phenanthrene	11.42	178	100941	3.33	ng	99
74) Fluoranthene	12.88	202	172096	5.54	ng	99
77) Pyrene	13.16	202	208800	7.70	ng	97
80) Benzo(a)anthracene	14.63	228	72942m	3.35	ng	
82) Chrysene	14.67	228	86208m	4.27	ng	
85) Indeno(1,2,3-cd)pyrene	17.63	276	60782	3.47	ng	95
87) Benzo(b)fluoranthene	15.86	252	99666m	5.62	ng	
89) Benzo(a)pyrene	16.21	252	88383	5.41	ng	99
91) Benzo(g,h,i)perylene	18.03	276	85259	6.12	ng	99

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

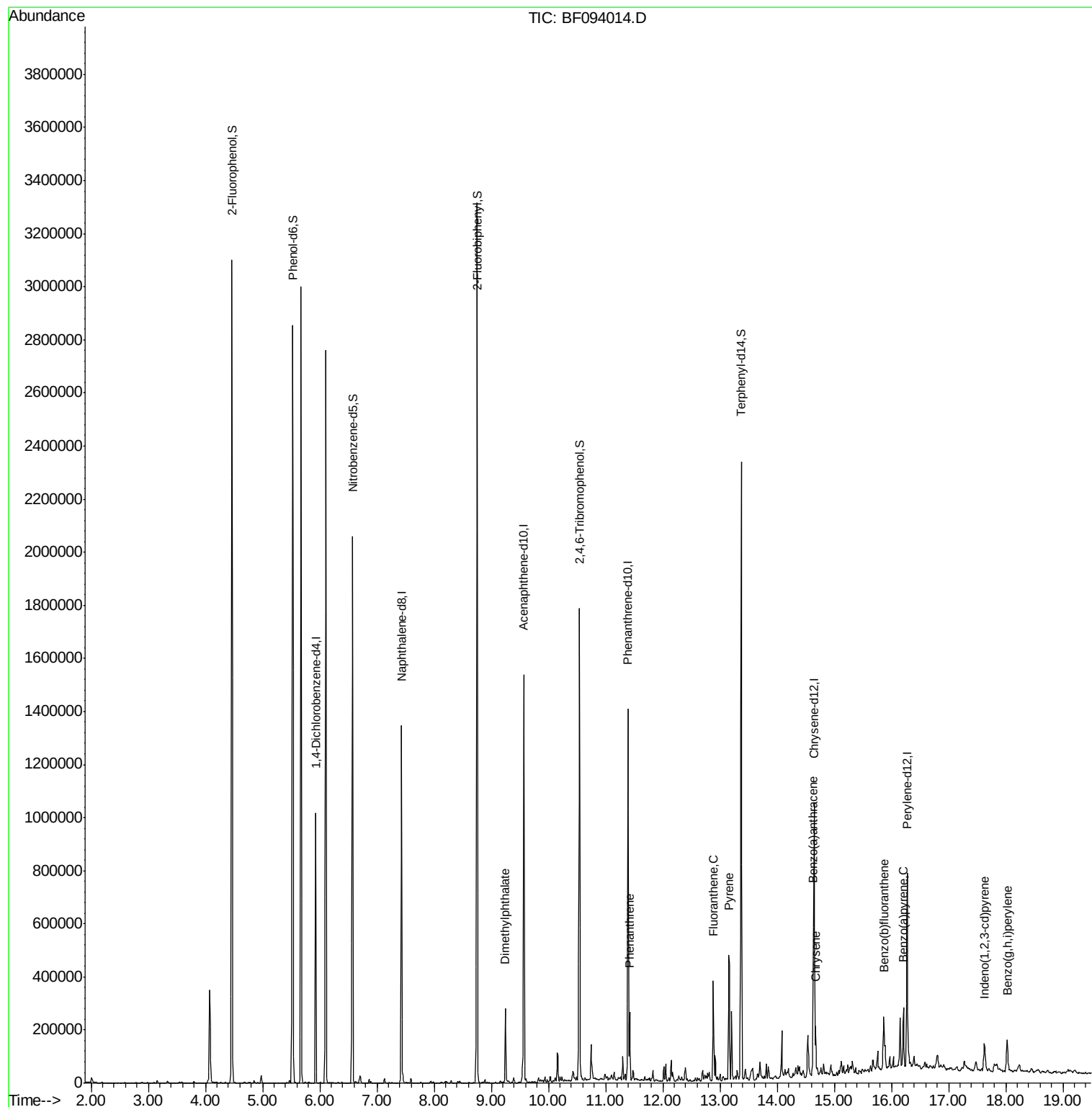
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032817\
Data File : BF094014.D
Acq On : 29 Mar 2017 1:11
Operator : SJ/MA
Sample : I2414-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

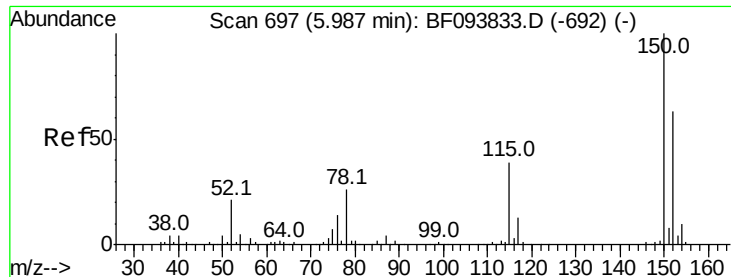
Instrument :
BNA_F
ClientSampleId :
E2-P13-WSW

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#1

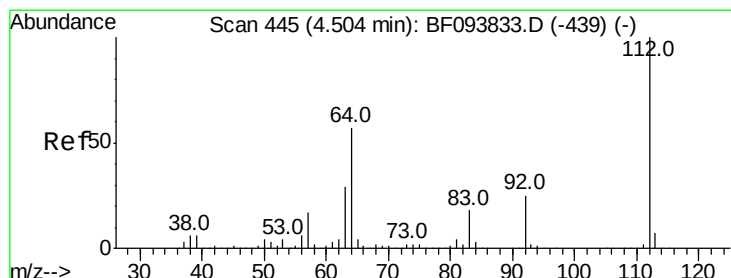
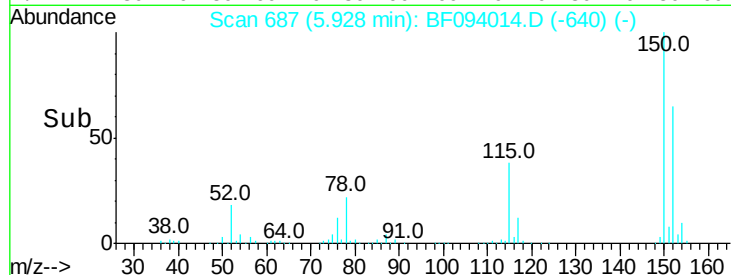
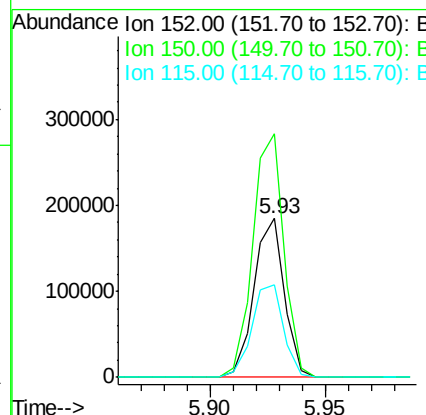
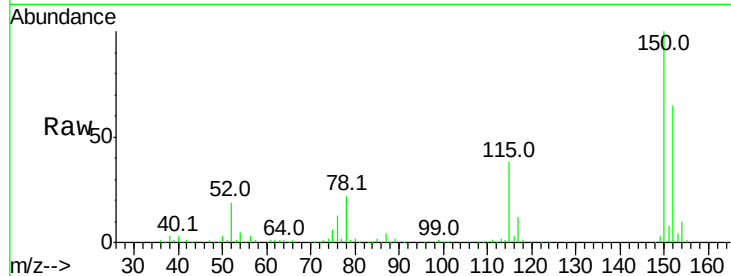
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.93 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

Instrument :
BNA_F
ClientSampleId :
E2-P13-WSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	126.2	189.2
115	58.3	52.2	78.2

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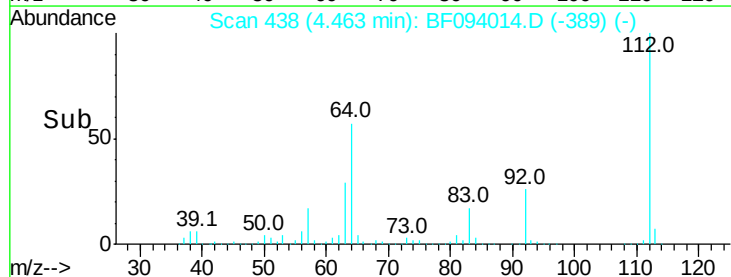
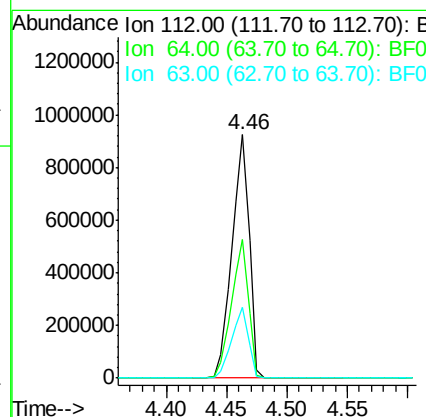
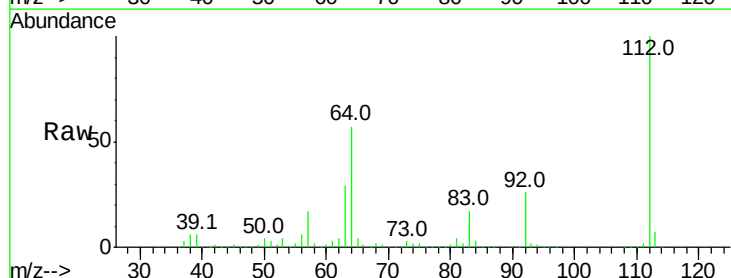
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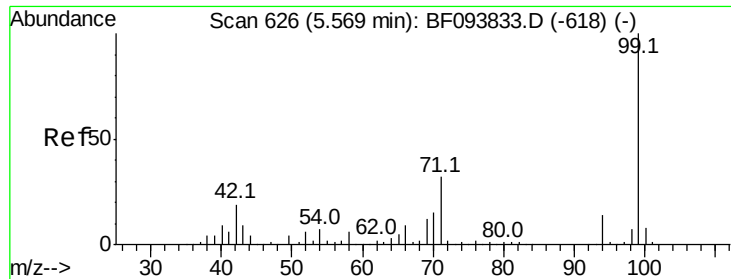


#5

2-Fluorophenol
Concen: 91.16 ng
RT: 4.46 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	46.0	69.0
63	28.9	23.4	35.0





#7

Phenol-d6

Concen: 98.36 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

Instrument :

BNA_F

ClientSampleId :

E2-P13-WSW

Tot Ion: 99 Resp: 1222984

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

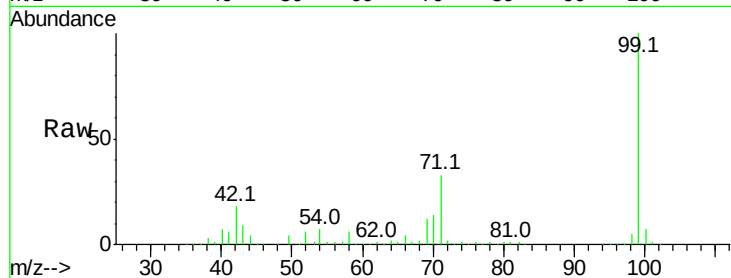
71 33.1 24.5 36.7

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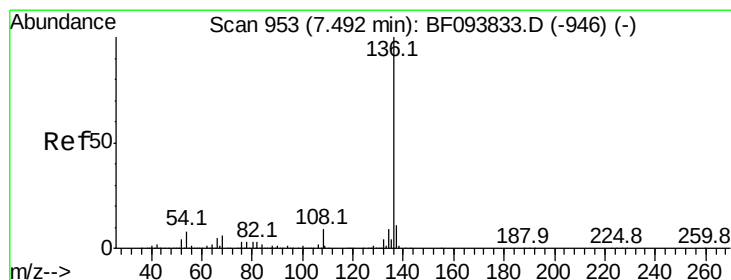
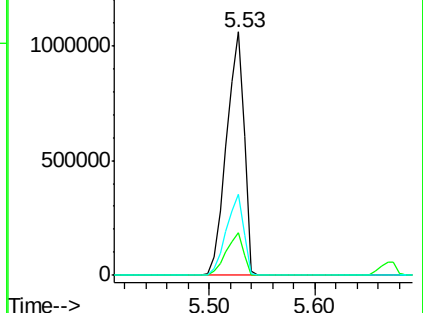
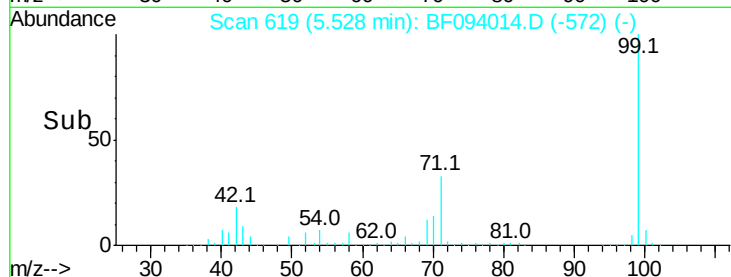
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.43 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

Tgt Ion: 136 Resp: 696727

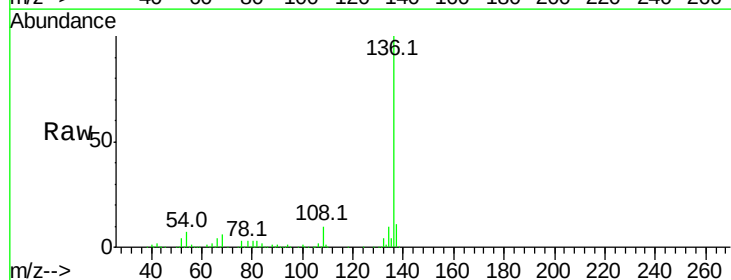
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.3 4.9 7.3

68 6.2 4.1 6.1#

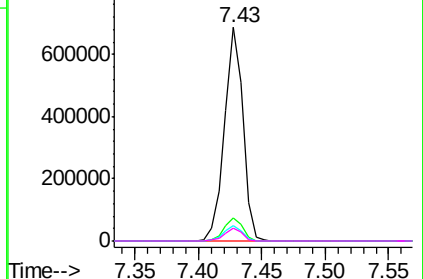
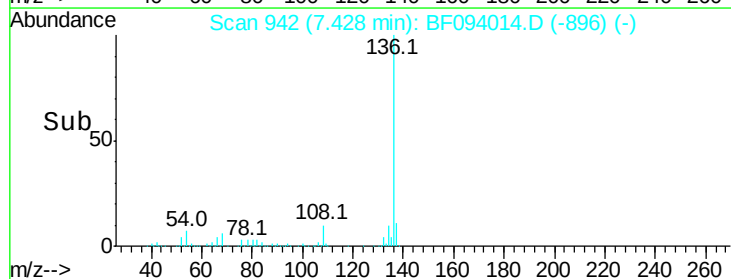


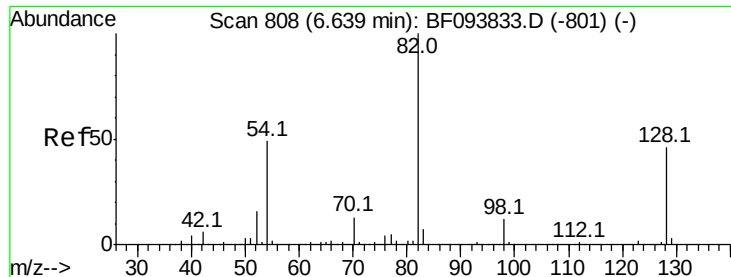
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





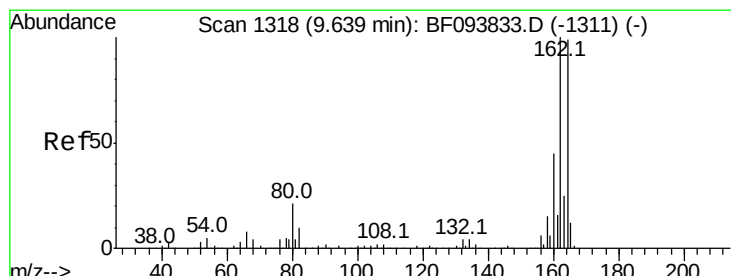
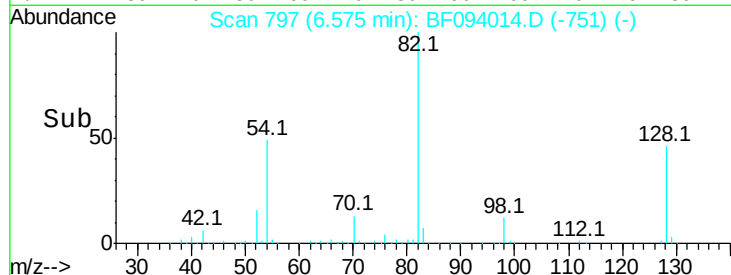
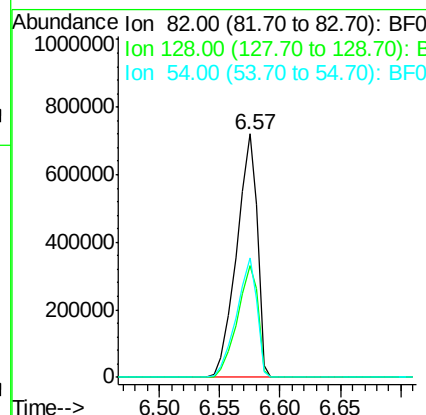
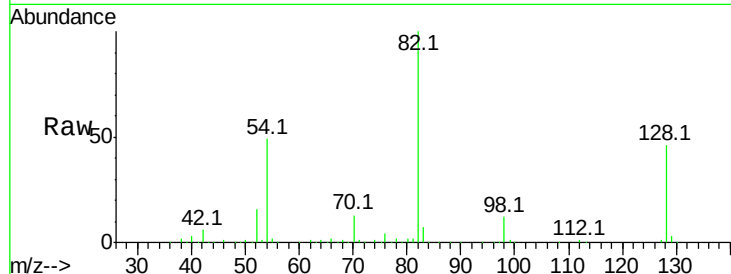
#23
 Nitrobenzene-d5
 Concen: 70.34 ng
 RT: 6.57 min Scan# 797
 Delta R.T. -0.03 min
 Lab File: BF094014.D
 Acq: 29 Mar 2017 1:11

Instrument :
 BNA_F
 ClientSampleId :
 E2-P13-WSW

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	34.0	51.0
54	49.1	42.2	63.2

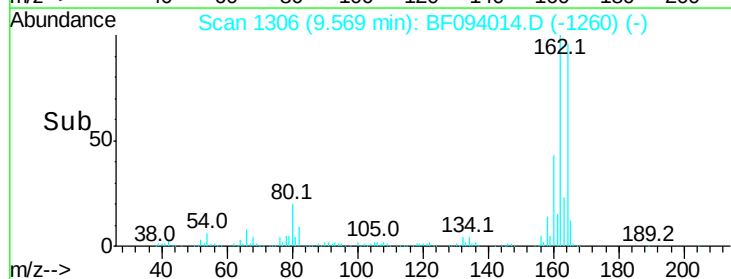
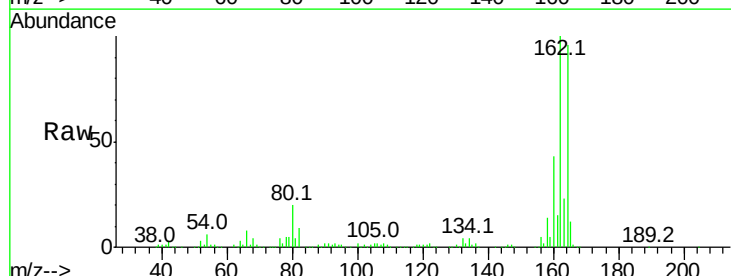
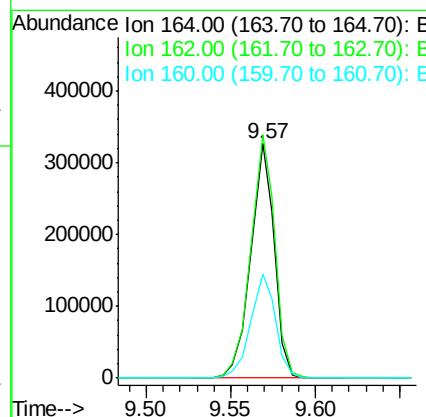
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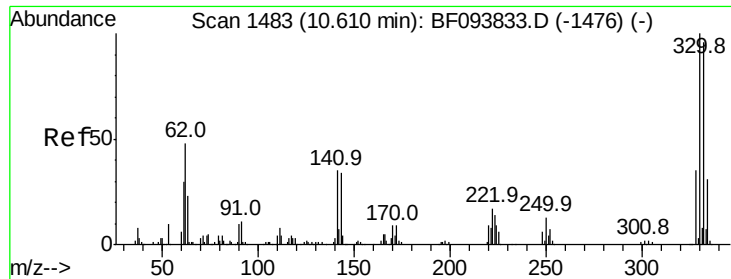
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.57 min Scan# 1306
 Delta R.T. -0.03 min
 Lab File: BF094014.D
 Acq: 29 Mar 2017 1:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.6	123.8
160	44.5	36.2	54.2





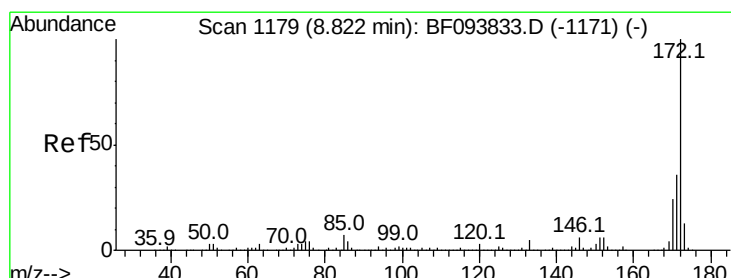
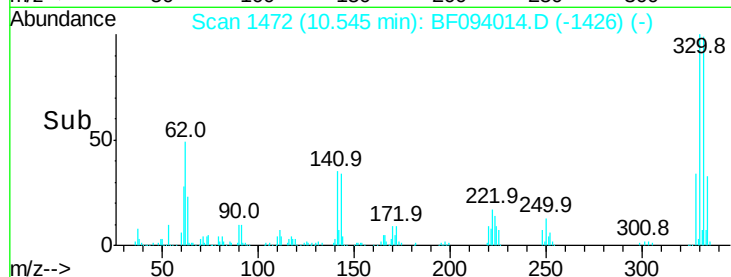
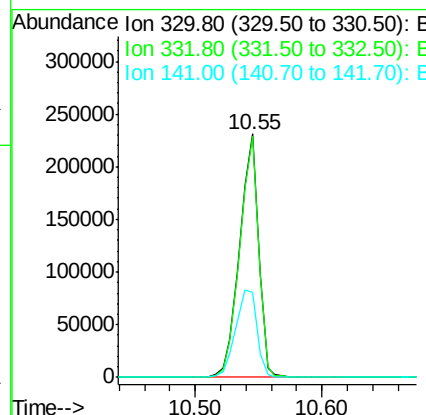
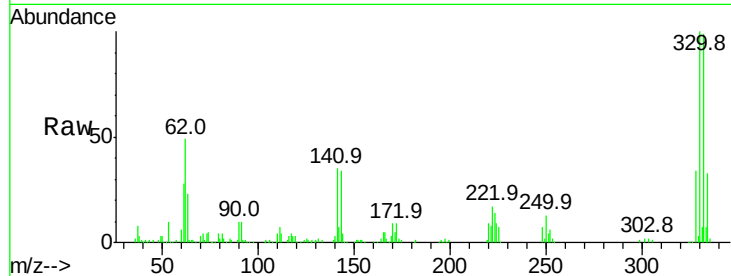
#41
 2,4,6-Tribromophenol
 Concen: 94.61 ng
 RT: 10.55 min Scan# 1472
 Delta R.T. -0.03 min
 Lab File: BF094014.D
 Acq: 29 Mar 2017 1:11

Instrument :
 BNA_F
 ClientSampleId :
 E2-P13-WSW

Tot Ion	Ratio	Resp	Lower	Upper
330	100	237959		
332	98.2	76.6	115.0	
141	40.9	31.4	47.2	

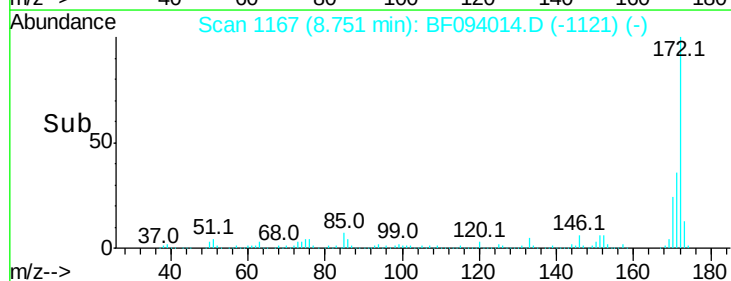
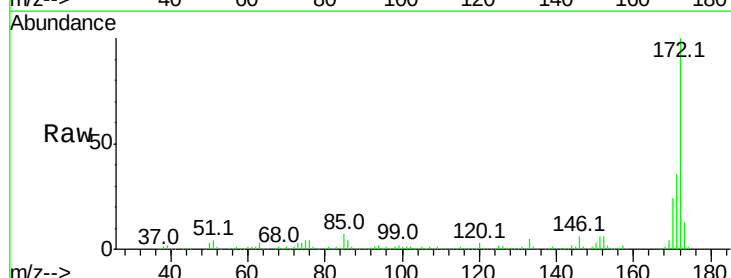
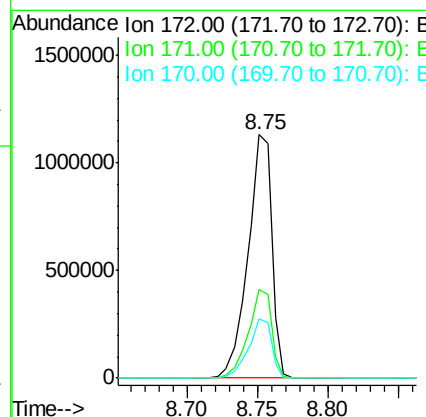
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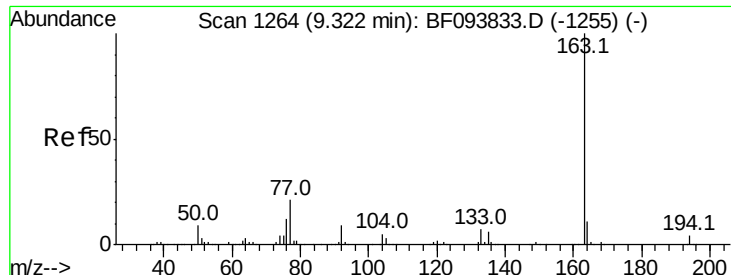
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#44
 2-Fluorobiphenyl
 Concen: 64.02 ng
 RT: 8.75 min Scan# 1167
 Delta R.T. -0.03 min
 Lab File: BF094014.D
 Acq: 29 Mar 2017 1:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1335893		
171	36.3	29.6	44.4	
170	24.1	19.8	29.8	





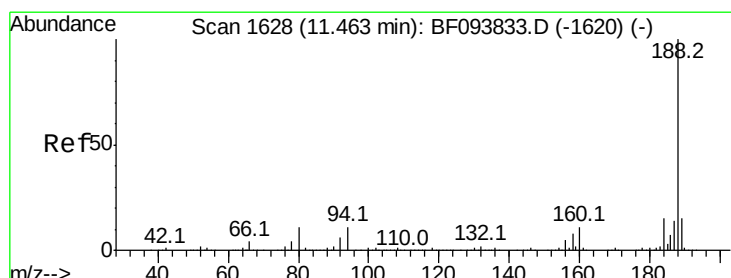
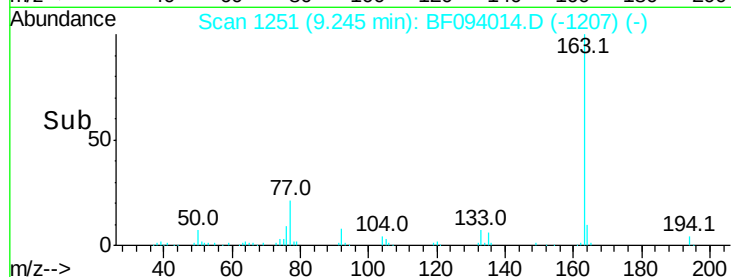
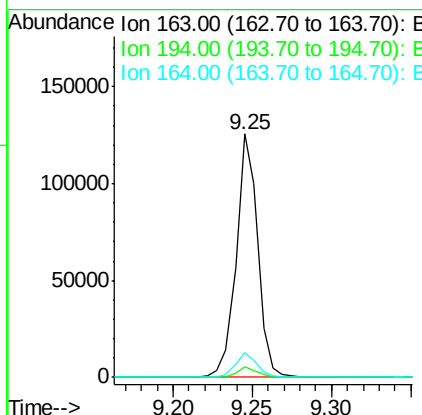
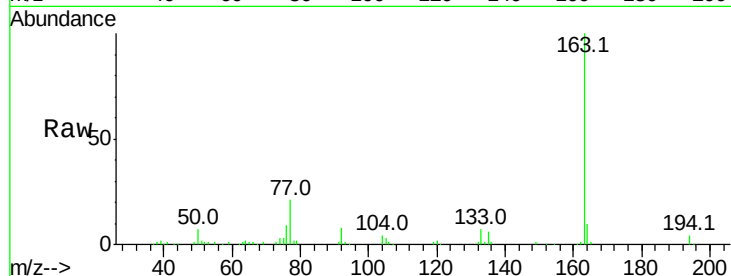
#49
Dimethylphthalate
Concen: 5.21 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.04 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

Instrument :
BNA_F
ClientSampleId :
E2-P13-WSW

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.3	2.6	4.0	
164	10.3	8.4	12.6	

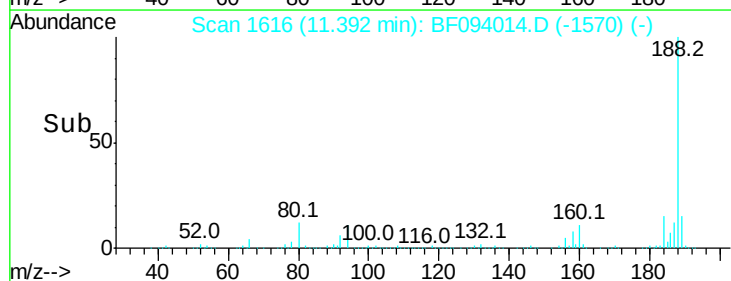
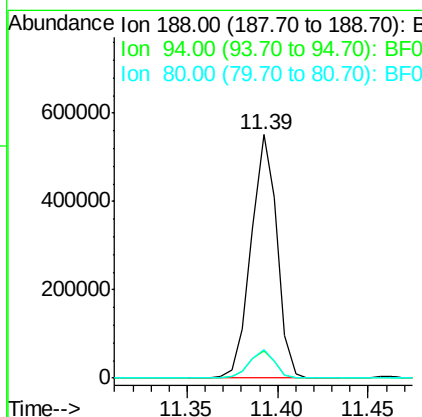
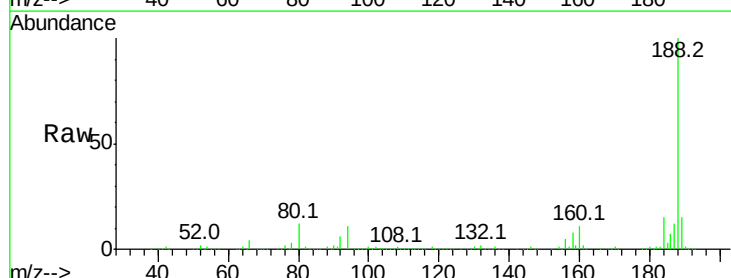
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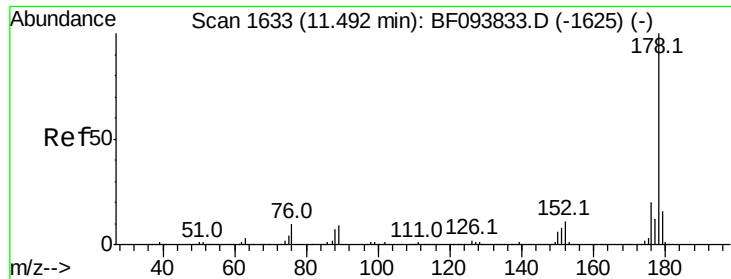
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.03 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.3	9.4	14.2	
80	11.9	10.2	15.2	





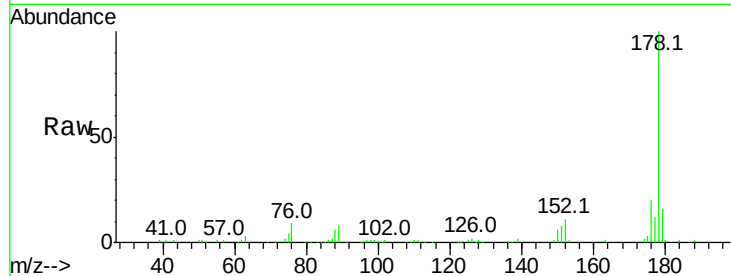
#70
Phenanthrene
Concen: 3.33 ng
RT: 11.42 min Scan# 1621
Delta R.T. -0.04 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

Instrument :
BNA_F
ClientSampleId :
E2-P13-WSW

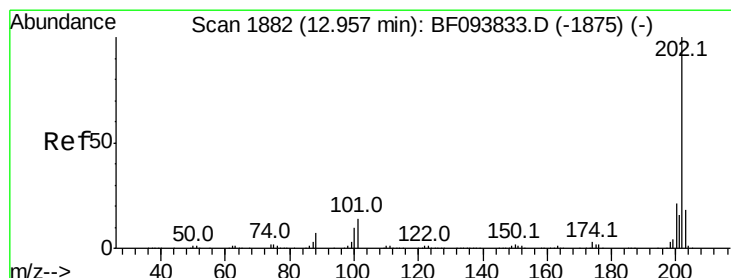
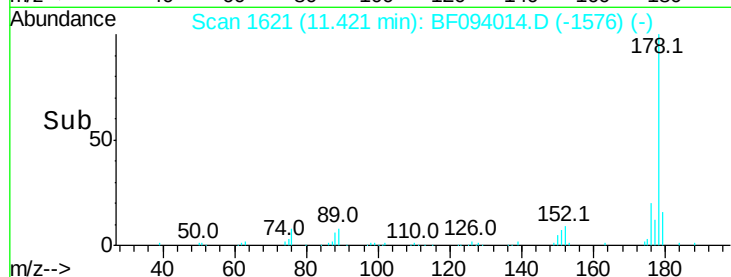
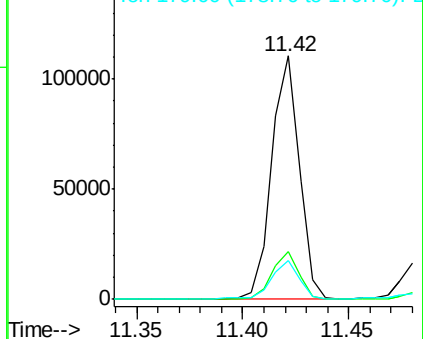
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	15.9	12.6	19.0

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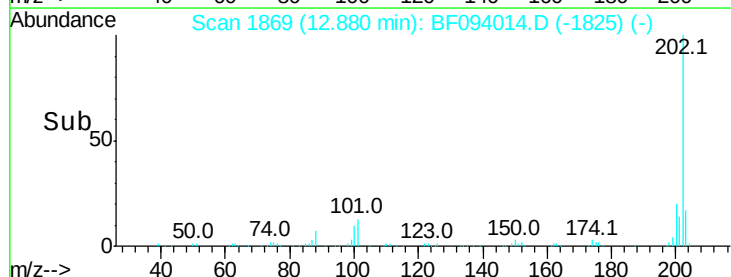
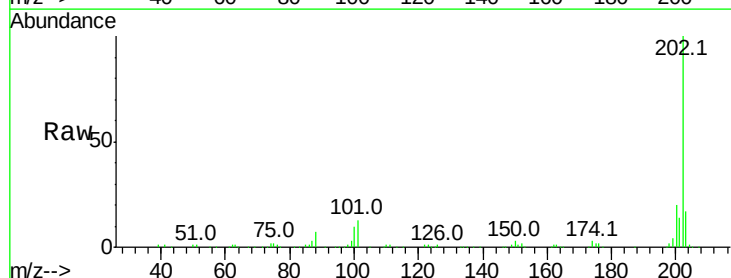
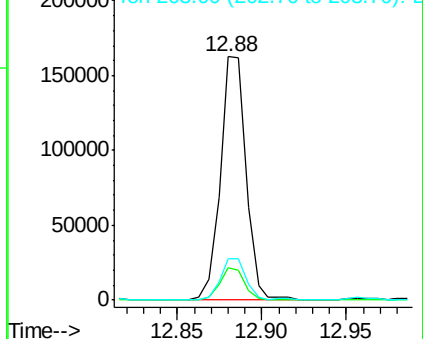
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

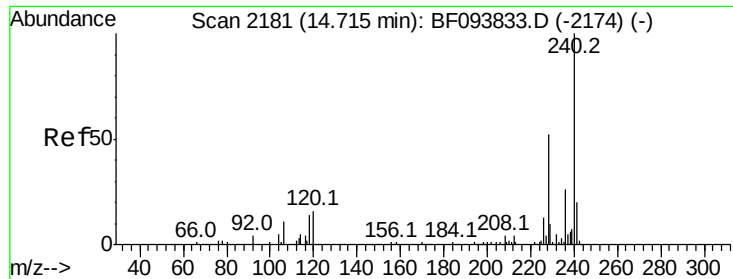


#74
Fluoranthene
Concen: 5.54 ng
RT: 12.88 min Scan# 1869
Delta R.T. -0.04 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	17.1	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.64 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

Instrument :

BNA_F

ClientSampleId :

E2-P13-WSW

Tot Ion:240 Resp: 373510
Ion Ratio Lower Upper

240 100

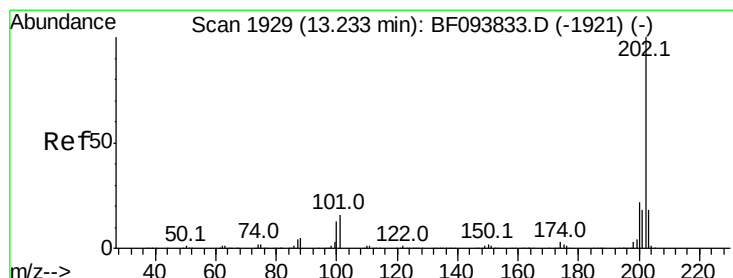
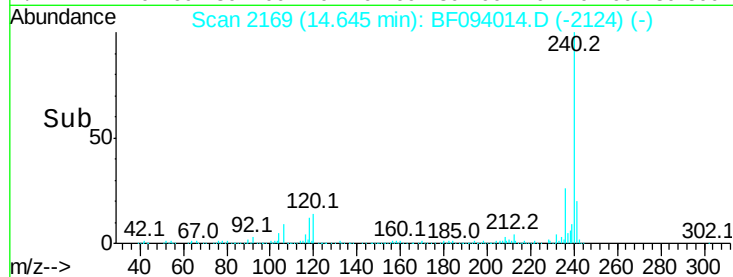
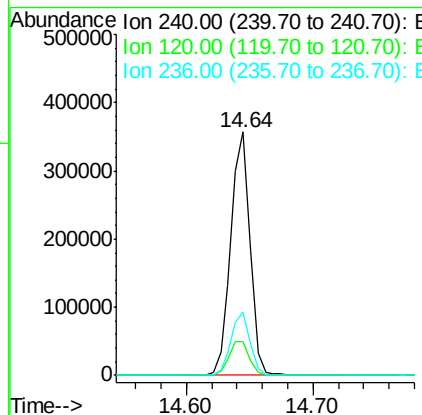
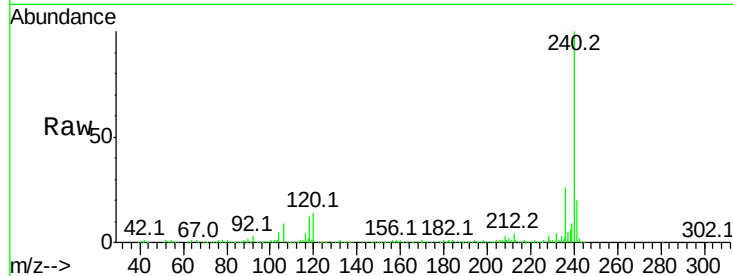
120 14.0 5.8 8.8#

236 26.1 20.5 30.7

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#77

Pyrene

Concen: 7.70 ng

RT: 13.16 min Scan# 1917

Delta R.T. -0.04 min

Lab File: BF094014.D

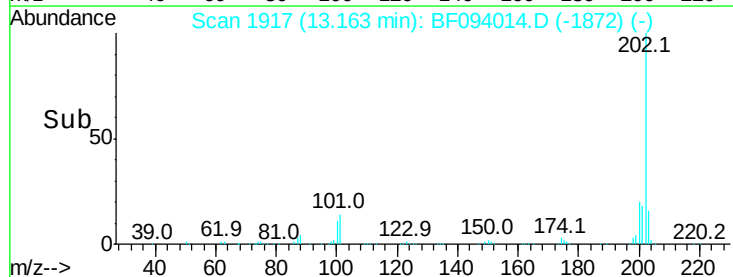
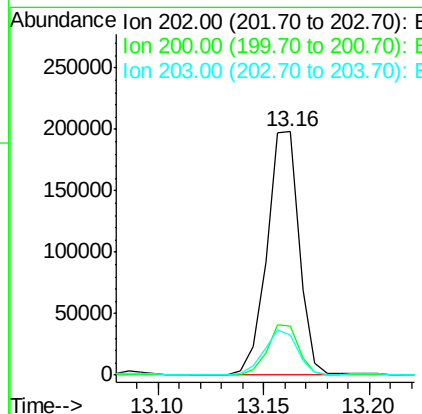
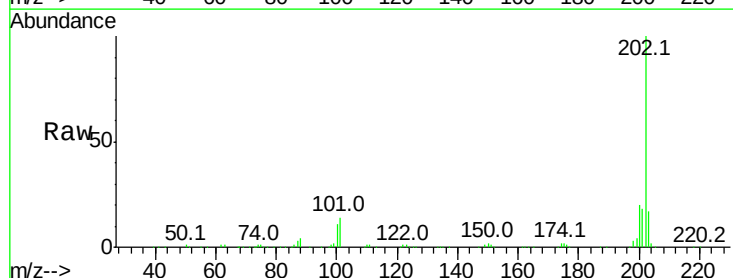
Acq: 29 Mar 2017 1:11

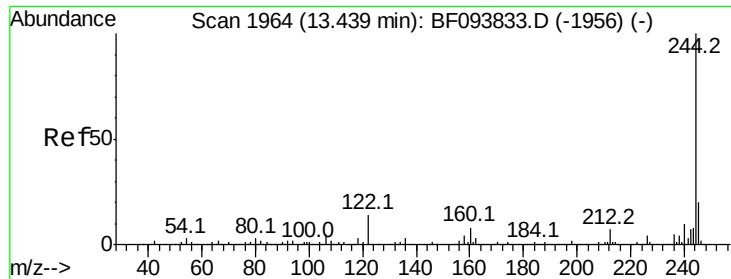
Tgt Ion:202 Resp: 208800
Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

203 16.7 14.4 21.6





#78

Terphenyl-d14

Concen: 50.31 ng

RT: 13.37 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

Instrument :

BNA_F

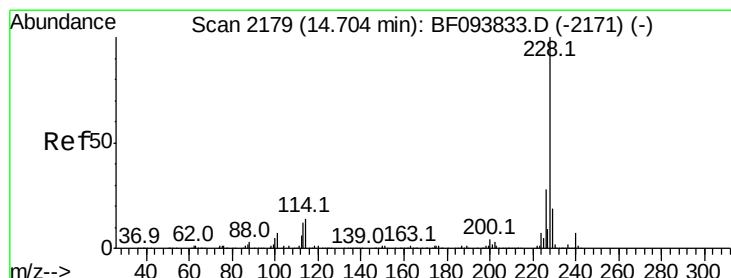
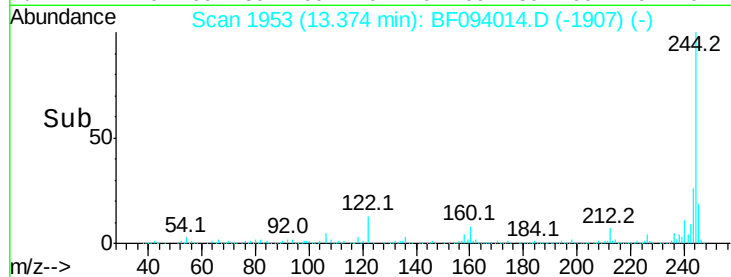
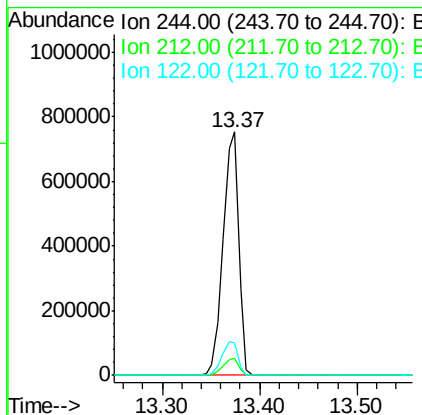
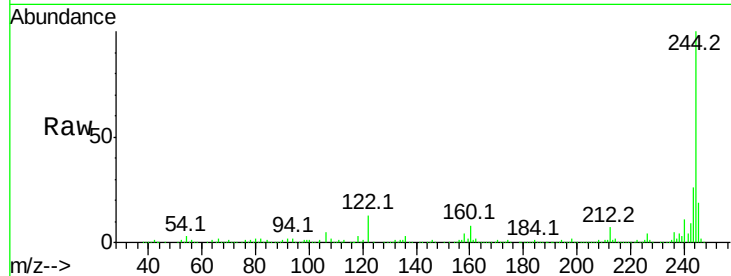
ClientSampleId :

E2-P13-WSW

Tot Ion:	244	Resp:	838265
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	13.3	10.3	15.5

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 3.35 ng m

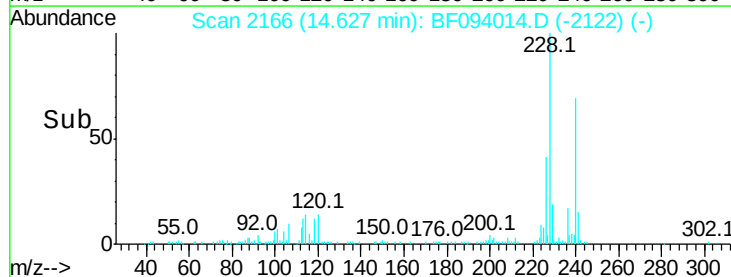
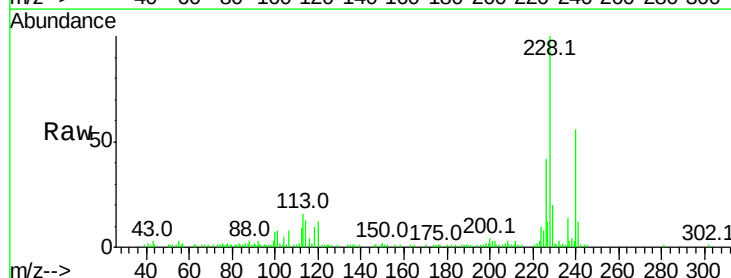
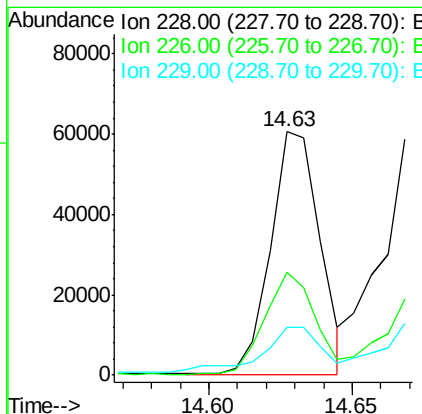
RT: 14.63 min Scan# 2166

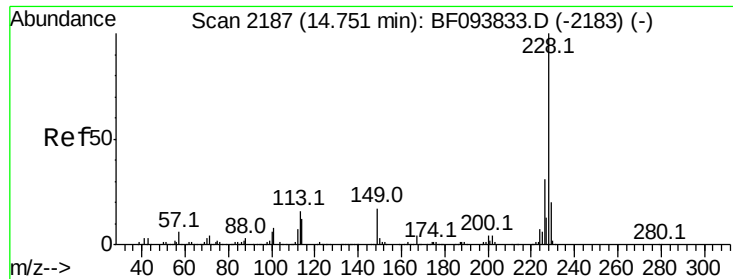
Delta R.T. -0.04 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

Tgt Ion:	228	Resp:	72942
Ion Ratio	Lower	Upper	
228	100		
226	42.1	22.6	33.8#
229	19.6	16.3	24.5





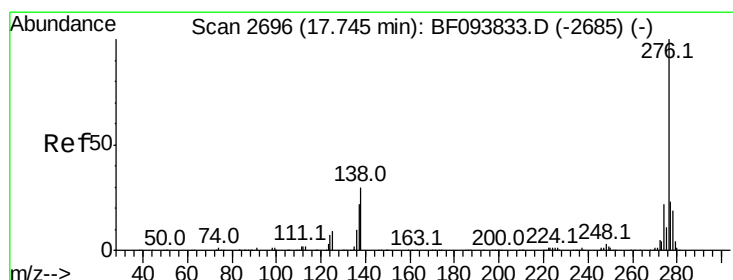
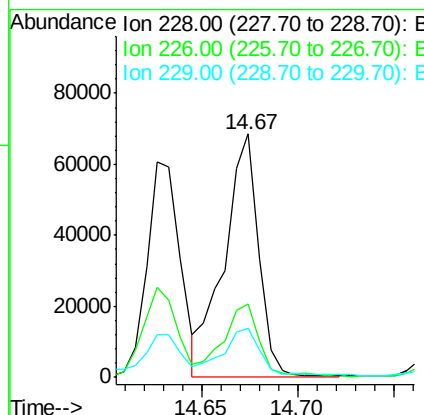
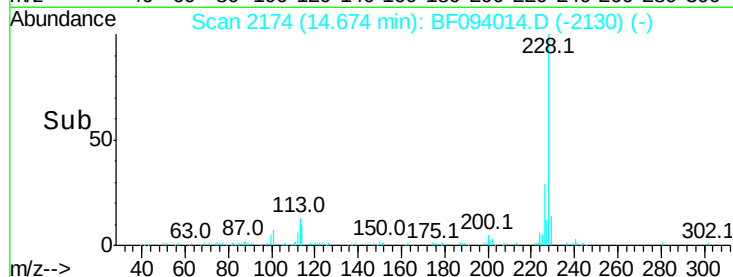
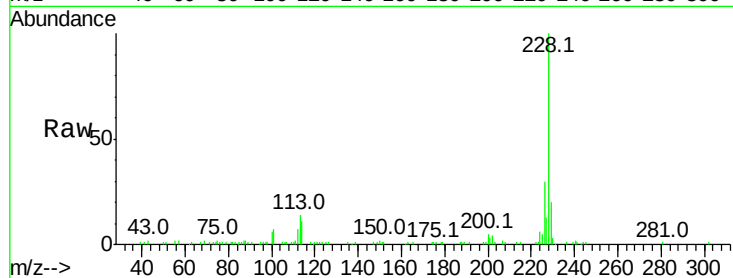
#82
Chrysene
Concen: 4.27 ng m
RT: 14.67 min Scan# 2174
Delta R.T. -0.04 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

Instrument :
BNA_F
ClientSampleId :
E2-P13-WSW

Tot Ion:	228	Resp:	86208
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.9	37.3
229	20.2	15.8	23.6

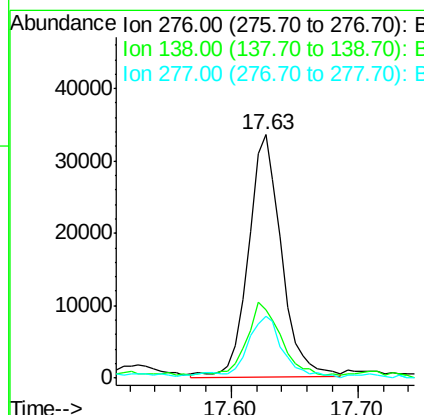
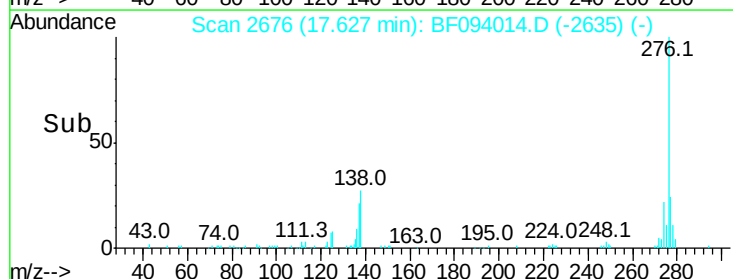
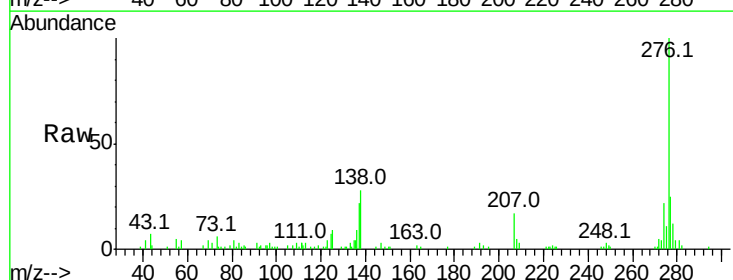
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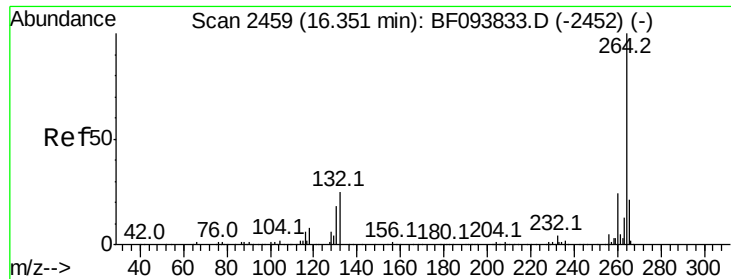
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.47 ng
RT: 17.63 min Scan# 2676
Delta R.T. -0.06 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

Tgt Ion:	276	Resp:	60782
Ion Ratio	Lower	Upper	
276	100		
138	30.7	27.8	41.6
277	26.6	20.2	30.4





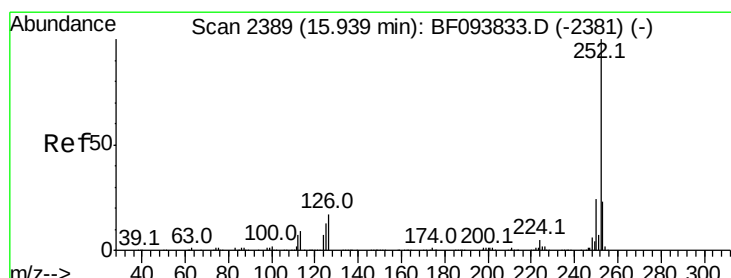
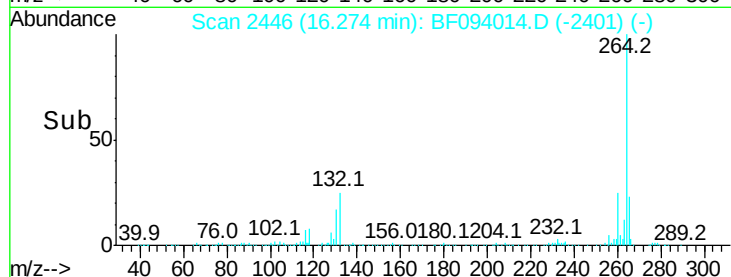
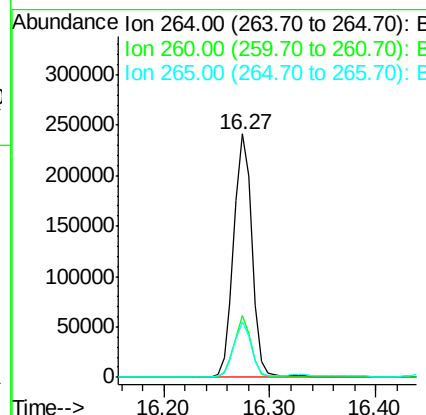
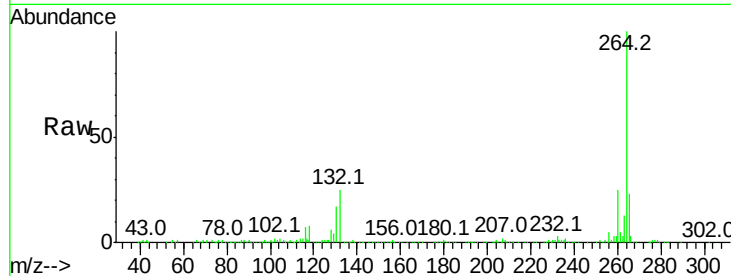
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.27 min Scan# 2446
Delta R.T. -0.04 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

Instrument :
BNA_F
ClientSampleId :
E2-P13-WSW

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.5	17.2	25.8

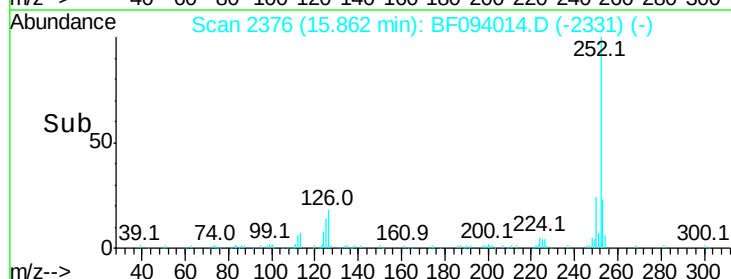
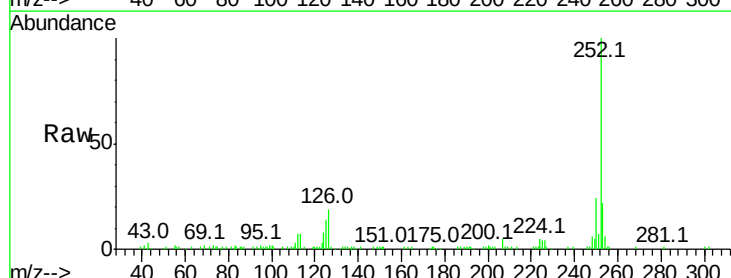
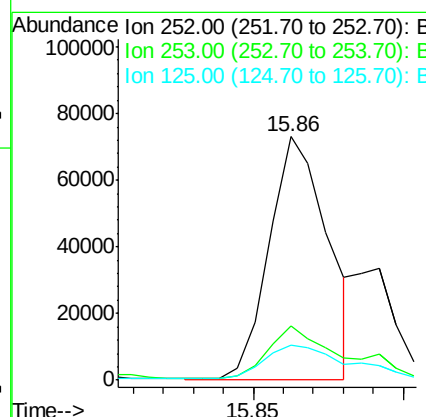
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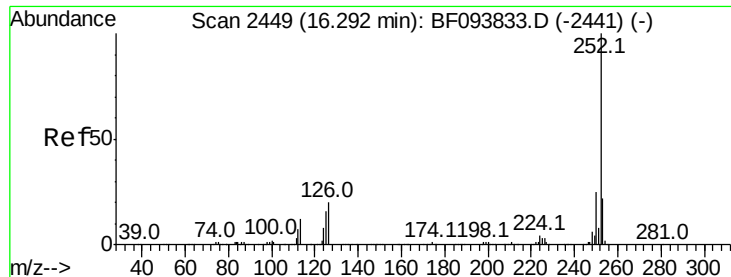
mohammad
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#87
Benzo(b)fluoranthene
Concen: 5.62 ng m
RT: 15.86 min Scan# 2376
Delta R.T. -0.04 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	14.2	9.8	14.8





#89

Benzo(a)pyrene

Concen: 5.41 ng

RT: 16.21 min Scan# 2435

Delta R.T. -0.04 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

Instrument :

BNA_F

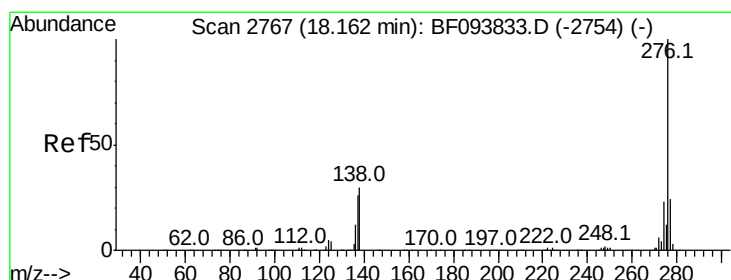
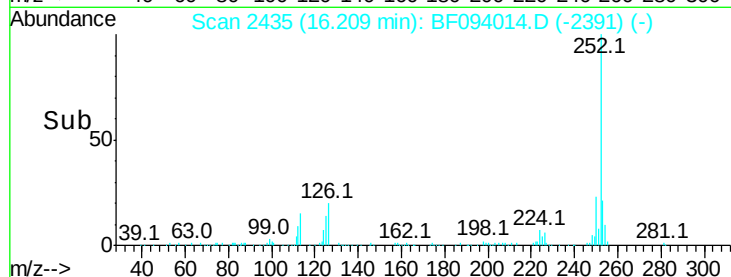
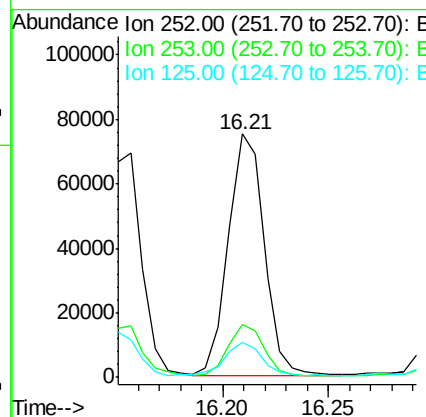
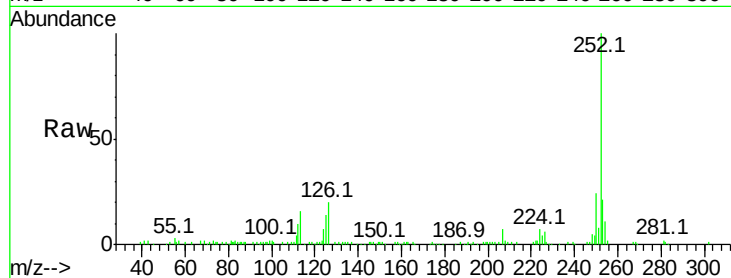
ClientSampleId :

E2-P13-WSW

Tot Ion:	252	Resp:	88383
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.5	26.3
125	14.2	11.0	16.4

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 6.12 ng

RT: 18.03 min Scan# 2744

Delta R.T. -0.07 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

Tgt Ion:	276	Resp:	85259
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.6	28.0
138	31.9	25.4	38.0

