

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095171.D
 Acq On : 16 May 2017 23:11
 Operator : SJ/MA
 Sample : I3167-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HORTICULTURAL-SUB-SOIL

Manual Integrations
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Quant Time: May 17 07:51:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	102426	20.00	ng	0.04
21) Naphthalene-d8	9.79	136	385606	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	147864	20.00	ng	0.04
63) Phenanthrene-d10	15.02	188	224964	20.00	ng	0.04
75) Chrysene-d12	18.69	240	176277	20.00	ng	0.04
86) Perylene-d12	20.37	264	148570	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	556570	90.59	ng	0.06
7) Phenol-d6	7.31	99	667916	90.61	ng	0.04
23) Nitrobenzene-d5	8.67	82	399797	65.38	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	113136	93.43	ng	0.04
44) 2-Fluorobiphenyl	11.56	172	729907	71.05	ng	0.03
78) Terphenyl-d14	17.34	244	391456	48.91	ng	0.02
Target Compounds						Qvalue
49) Dimethylphthalate	12.25	163	102710	8.46	ng	100
70) Phenanthrene	15.06	178	41526	3.21	ng	99
74) Fluoranthene	16.81	202	73362	5.53	ng	98
77) Pyrene	17.11	202	59341	4.50	ng	94
80) Benzo(a)anthracene	18.68	228	25684	2.50	ng	98
82) Chrysene	18.72	228	29594	2.98	ng	99
87) Benzo(b)fluoranthene	19.97	252	31466m	3.43	ng	
89) Benzo(a)pyrene	20.31	252	21419	2.53	ng	# 84

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

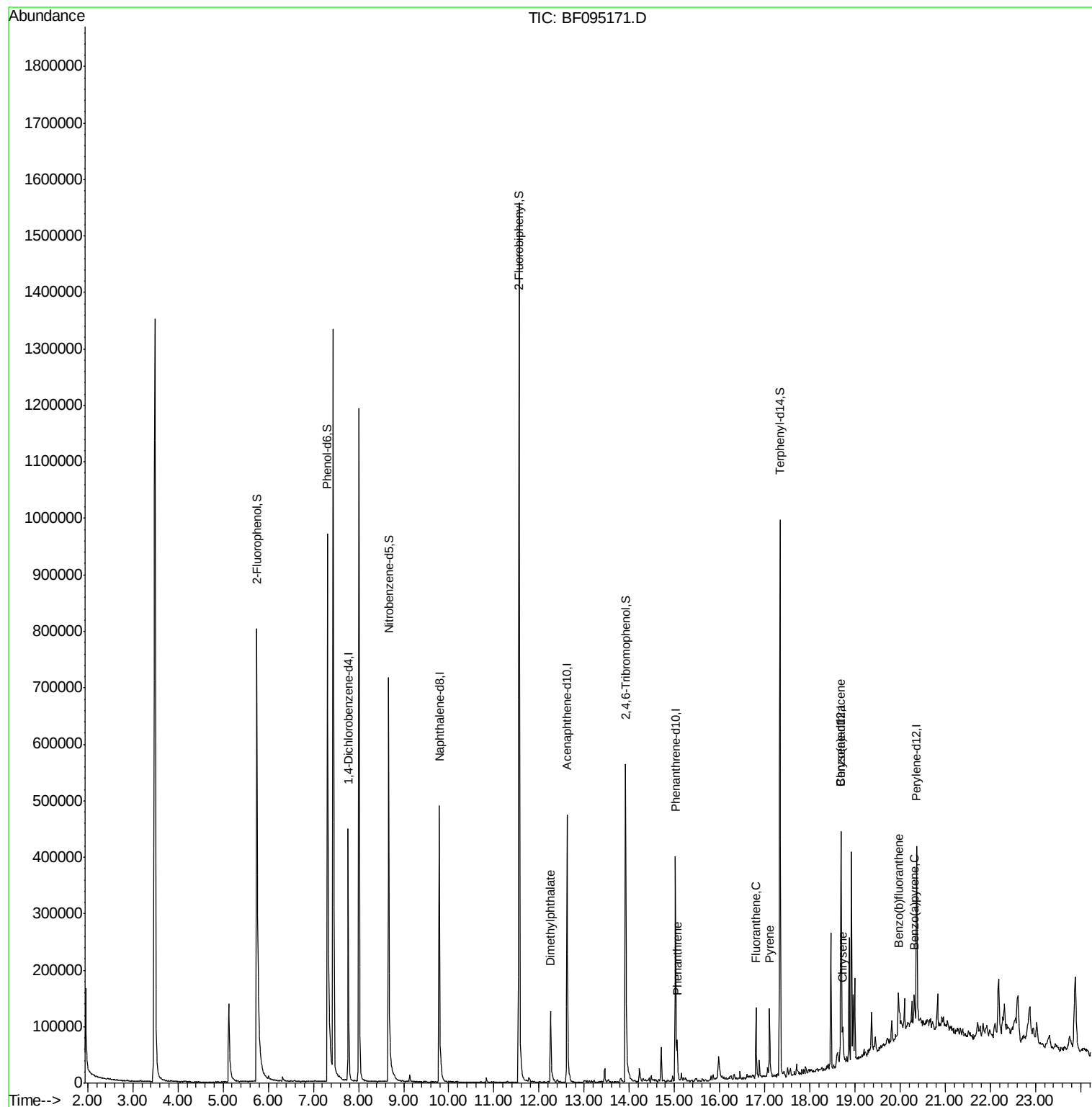
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
Data File : BF095171.D
Acq On : 16 May 2017 23:11
Operator : SJ/MA
Sample : I3167-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

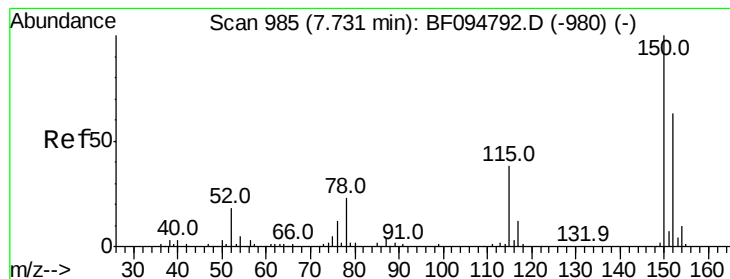
Instrument :
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HORTICULTURAL-SUB-SOIL

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Response via : Initial Calibration





#1

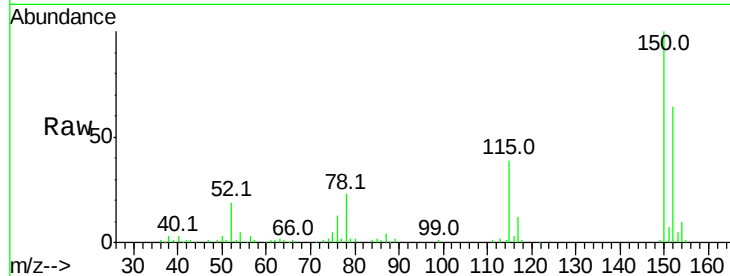
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.04 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

Instrument :
BNA_F
ClientSampleId :
HORTICULTURAL-SUB-SOIL

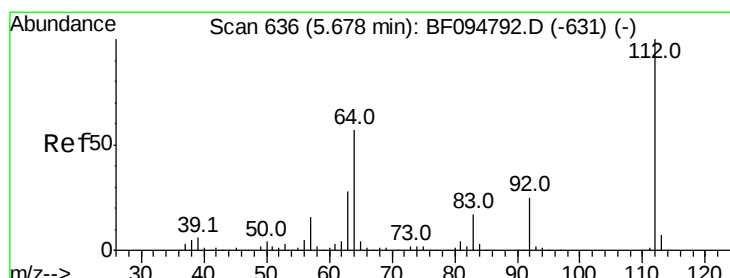
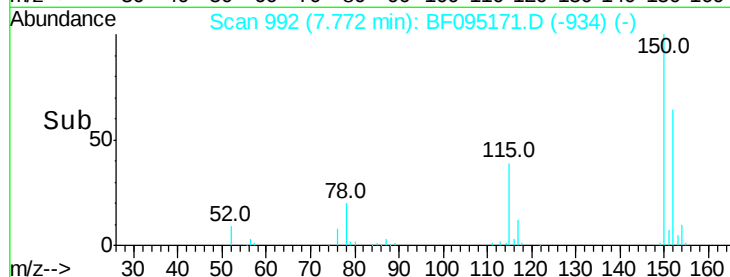
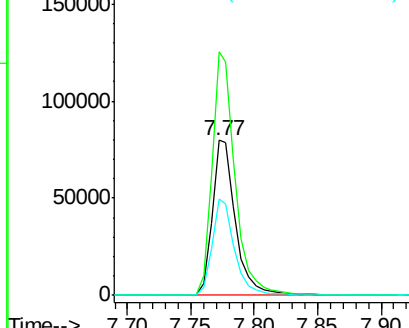
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	61.9	52.2	78.2

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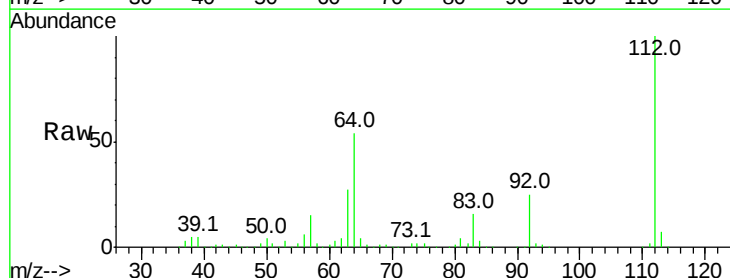
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



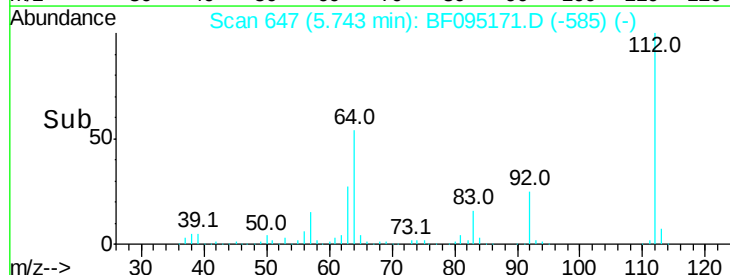
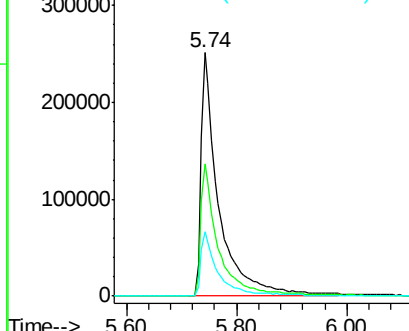
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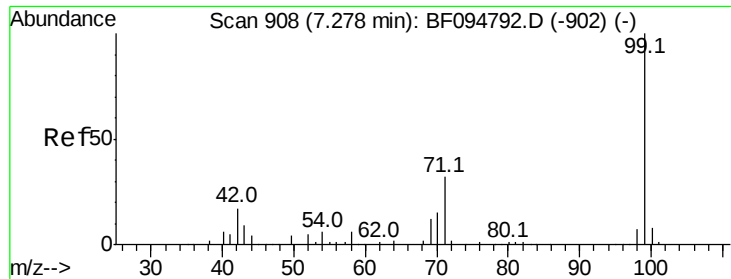
2-Fluorophenol
Concen: 90.59 ng
RT: 5.74 min Scan# 647
Delta R.T. 0.06 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	46.0	69.0
63	26.5	23.4	35.0



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: 90.61 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.04 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

Instrument :

BNA_F

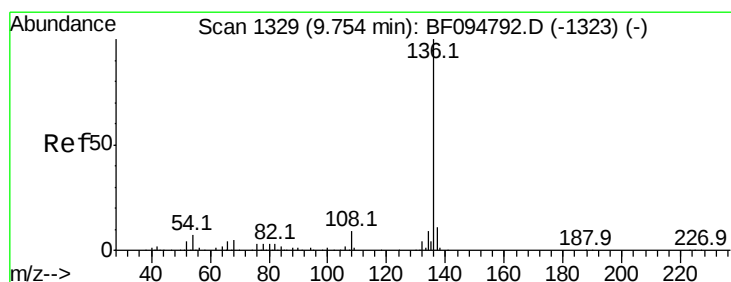
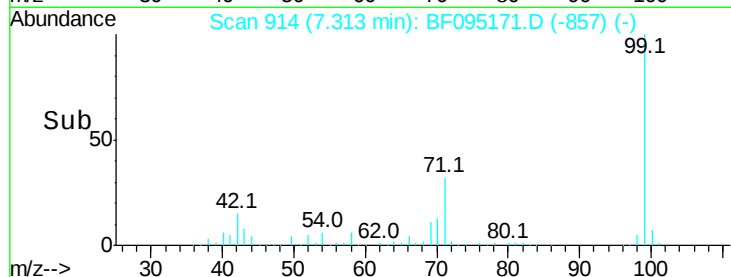
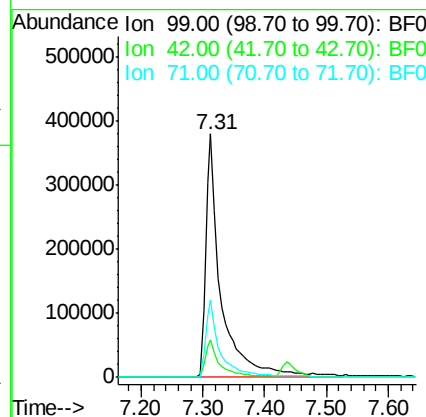
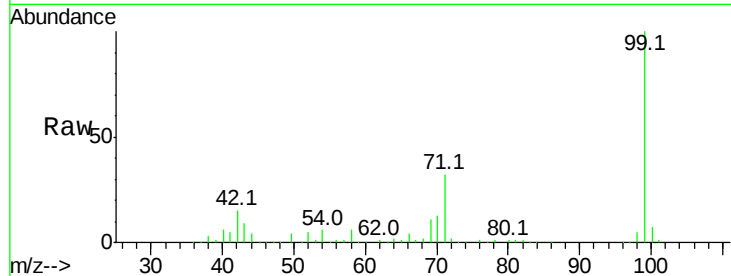
ClientSampleId :

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Tot Ion:	99	Resp:	667916
Ion Ratio	Lower	Upper	
99	100		
42	15.4	13.5	20.3
71	31.5	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

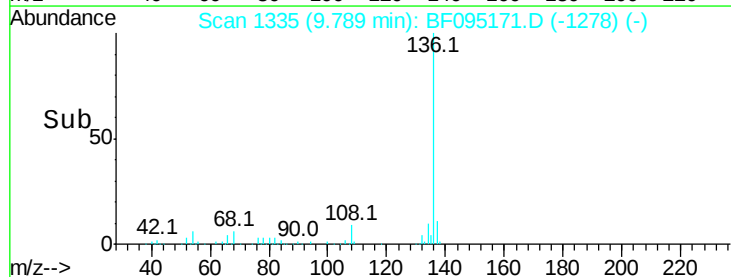
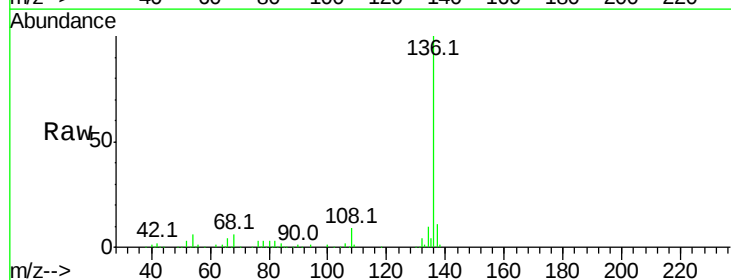
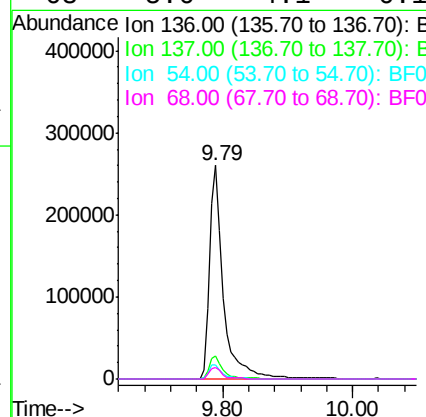
RT: 9.79 min Scan# 1335

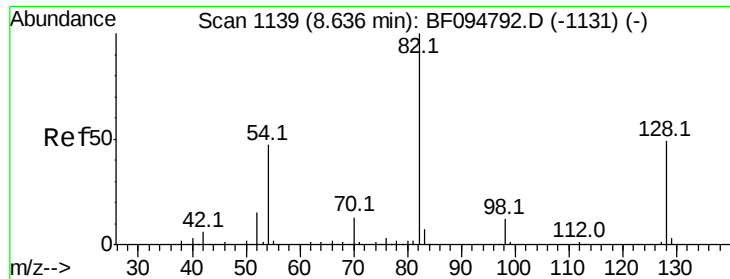
Delta R.T. 0.04 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

Tgt Ion:	136	Resp:	385606
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	6.3	4.9	7.3
68	5.6	4.1	6.1





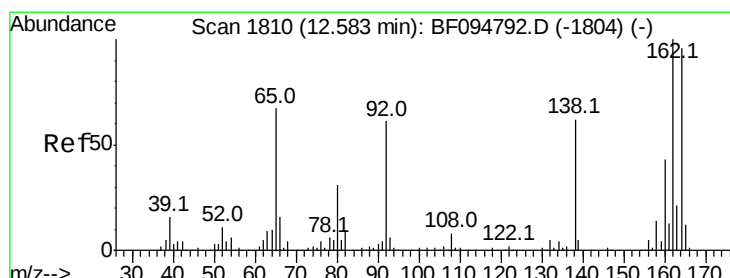
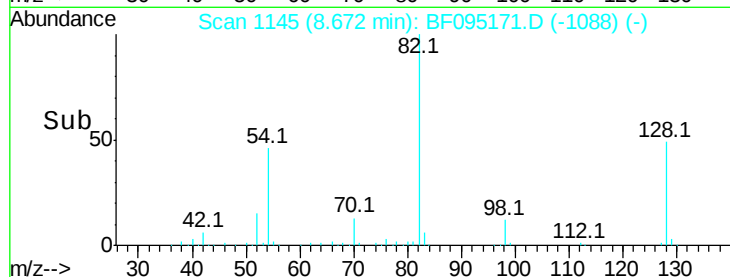
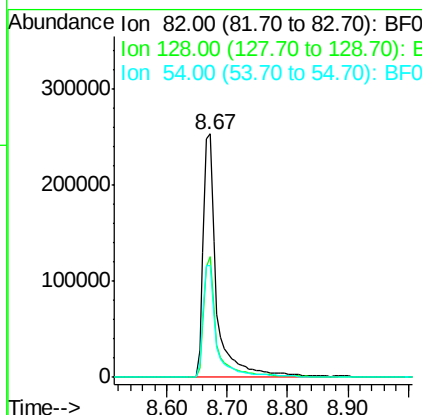
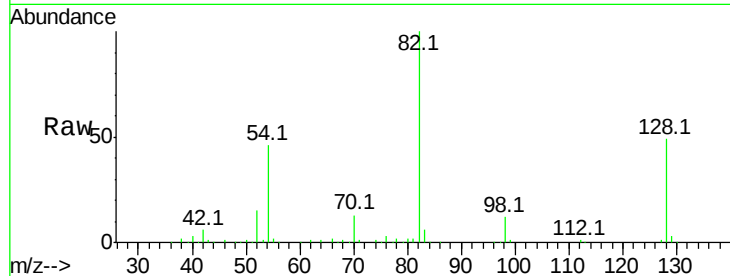
#23
 Nitrobenzene-d5
 Concen: 65.38 ng
 RT: 8.67 min Scan# 1145
 Delta R.T. 0.04 min
 Lab File: BF095171.D
 Acq: 16 May 2017 23:11

Instrument :
 BNA_F
 ClientSampleId :
 HORTICULTURAL-SUB-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.4	34.0	51.0	
54	45.9	42.2	63.2	

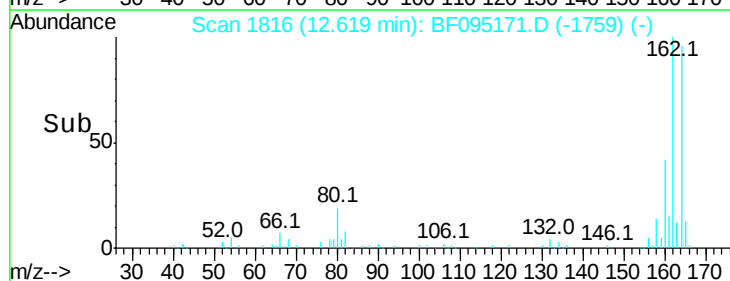
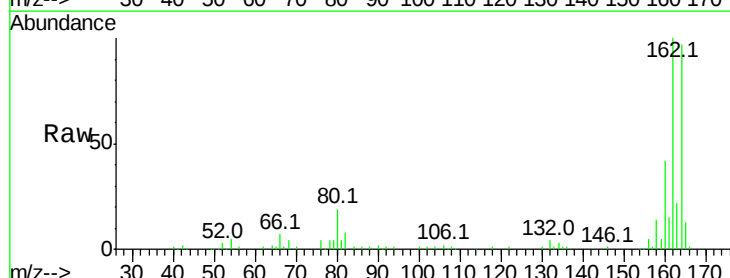
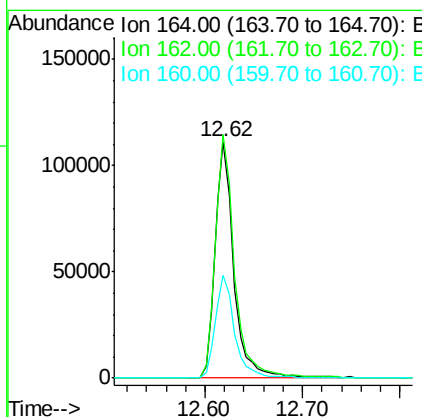
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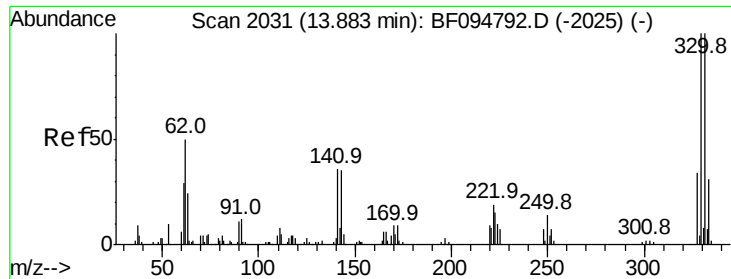
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1816
 Delta R.T. 0.04 min
 Lab File: BF095171.D
 Acq: 16 May 2017 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.9	82.6	123.8	
160	43.7	36.2	54.2	





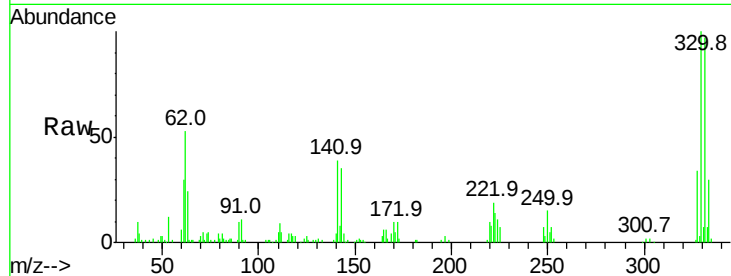
#41
 2,4,6-Tribromophenol
 Concen: 93.43 ng
 RT: 13.92 min Scan# 2037
 Delta R.T. 0.04 min
 Lab File: BF095171.D
 Acq: 16 May 2017 23:11

Instrument :
 BNA_F
 ClientSampleId :
 HORTICULTURAL-SUB-SOIL

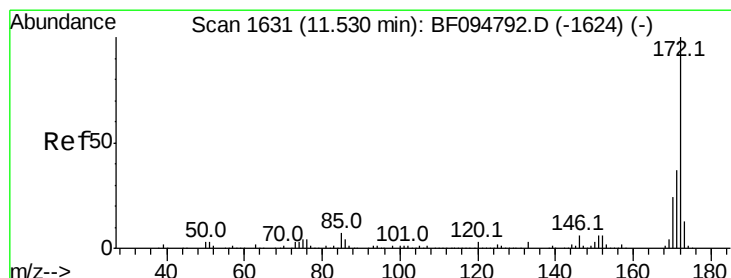
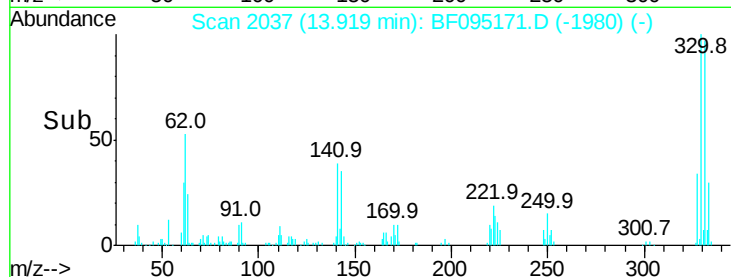
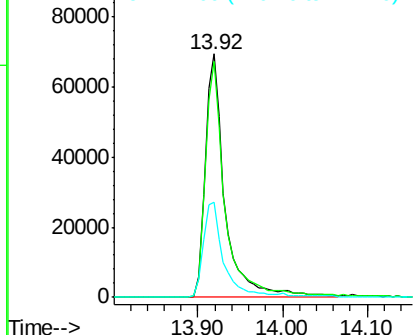
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.5	76.6	115.0	
141	40.9	31.4	47.2	

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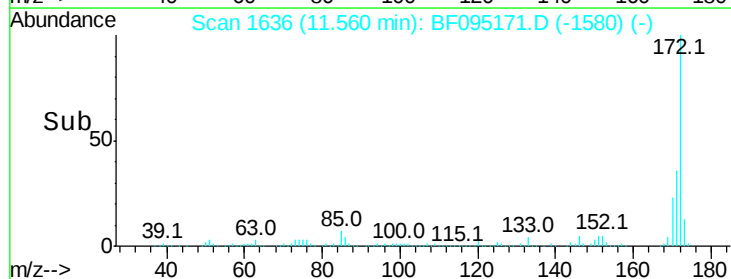
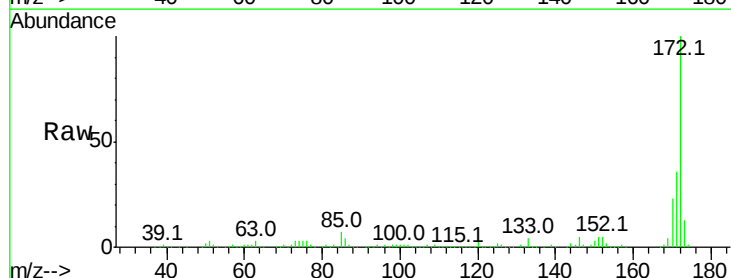
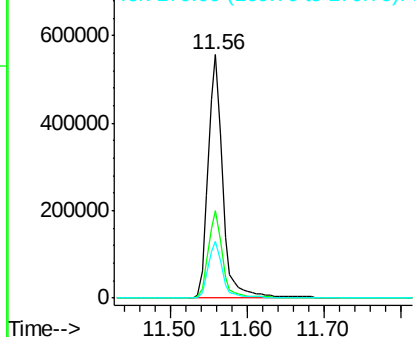
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

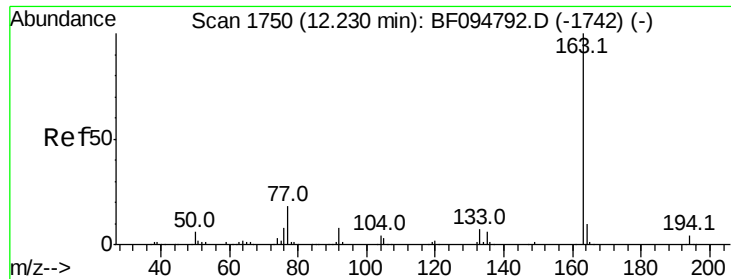


#44
 2-Fluorobiphenyl
 Concen: 71.05 ng
 RT: 11.56 min Scan# 1636
 Delta R.T. 0.03 min
 Lab File: BF095171.D
 Acq: 16 May 2017 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.6	44.4	
170	23.1	19.8	29.8	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





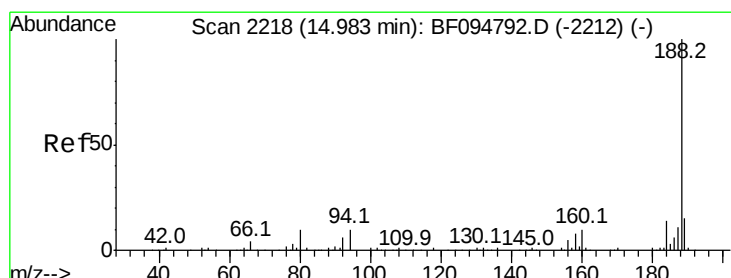
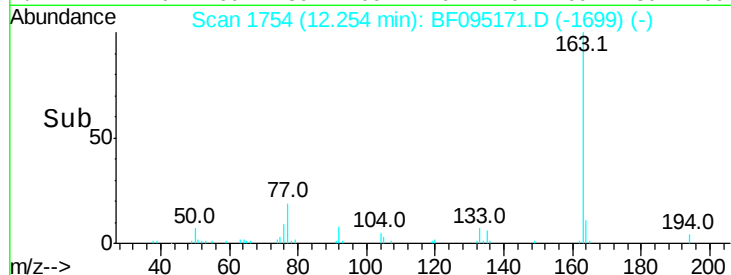
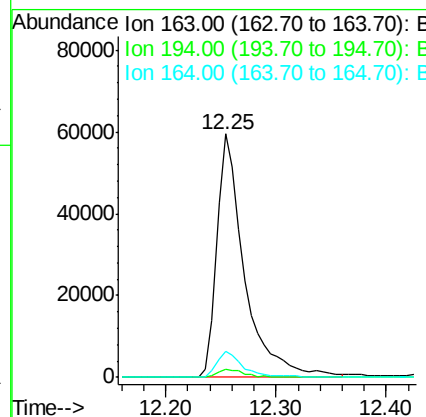
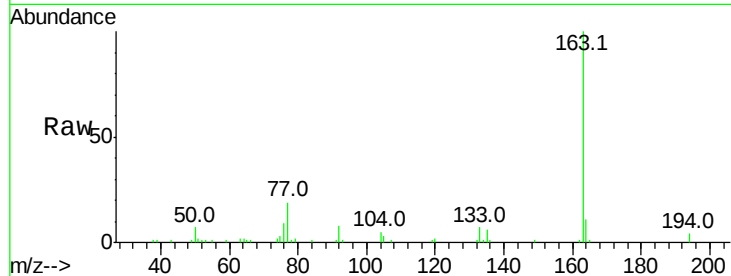
#49
Dimethylphthalate
Concen: 8.46 ng
RT: 12.25 min Scan# 1754
Delta R.T. 0.02 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

Instrument :
BNA_F
ClientSampleId :
HORTICULTURAL-SUB-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.6	4.0	
164	10.6	8.4	12.6	

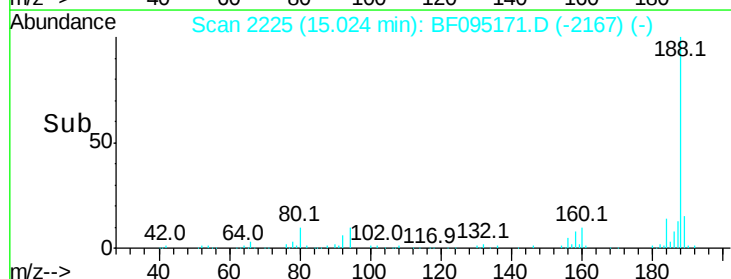
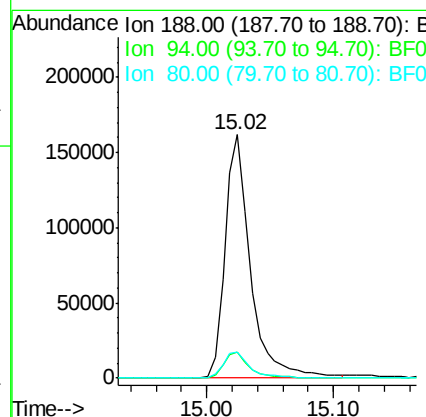
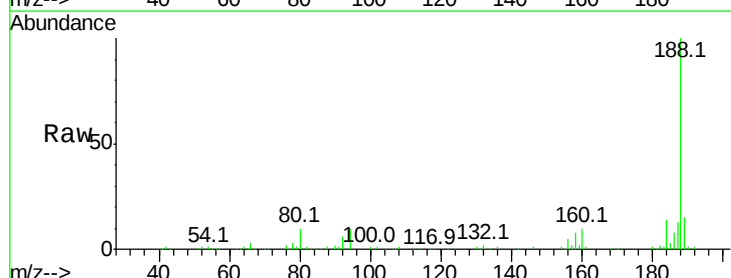
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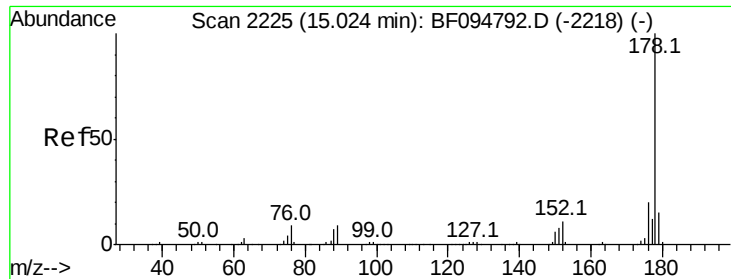
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.02 min Scan# 2225
Delta R.T. 0.04 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.5	9.4	14.2	
80	10.5	10.2	15.2	





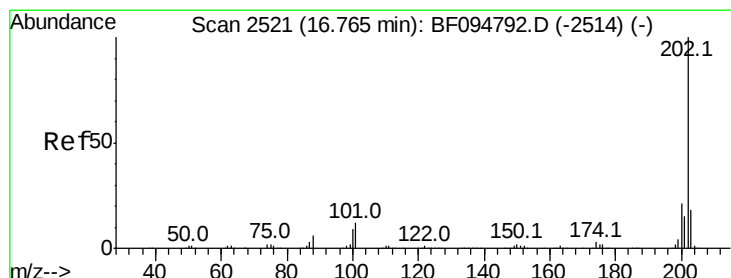
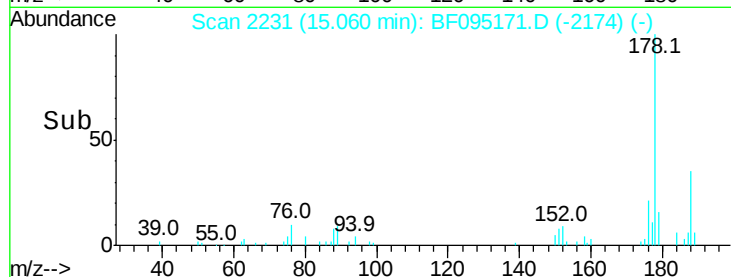
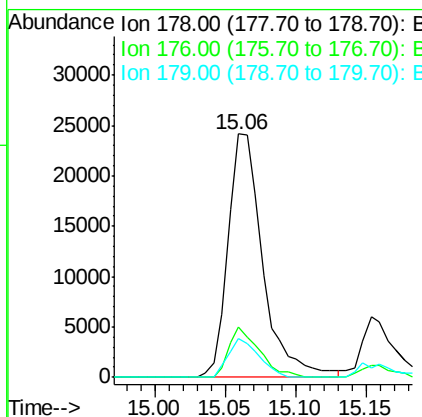
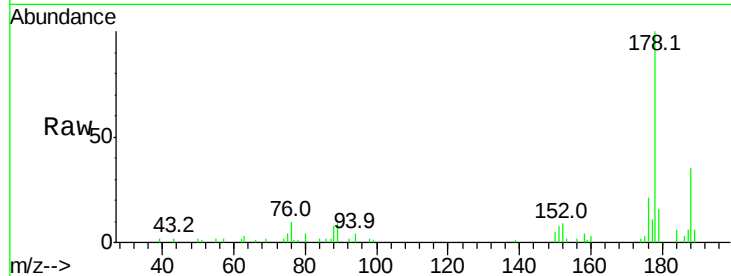
#70
Phenanthrene
Concen: 3.21 ng
RT: 15.06 min Scan# 2231
Delta R.T. 0.04 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

Instrument :
BNA_F
ClientSampleId :
HORTICULTURAL-SUB-SOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.2	24.4
179	16.0	12.6	19.0

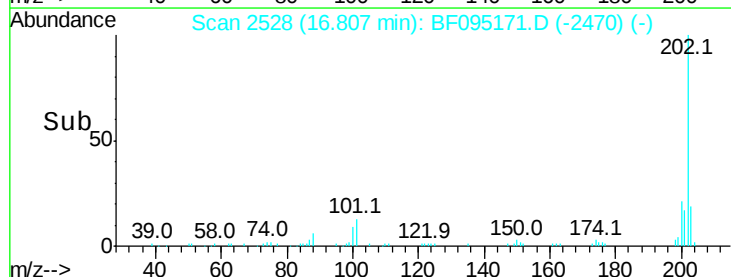
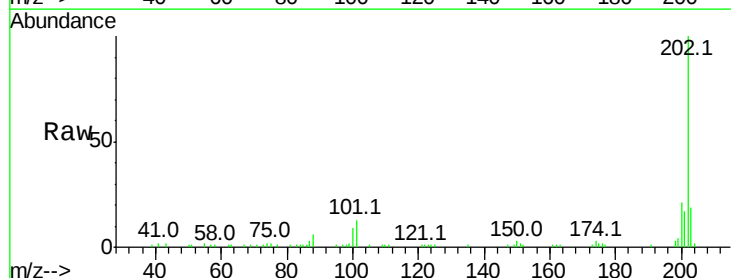
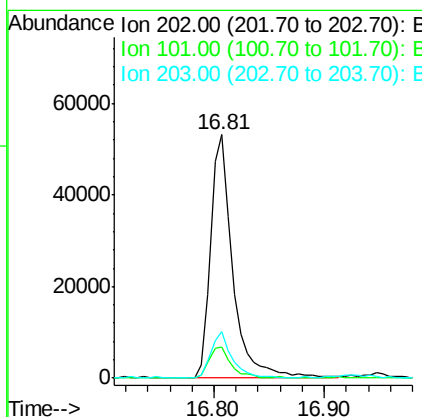
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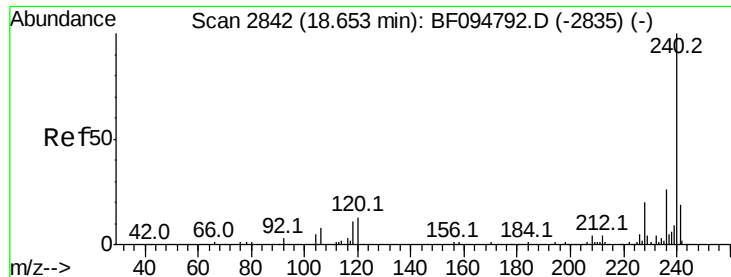
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#74
Fluoranthene
Concen: 5.53 ng
RT: 16.81 min Scan# 2528
Delta R.T. 0.04 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	19.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2848

Delta R.T. 0.04 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

Instrument :

BNA_F

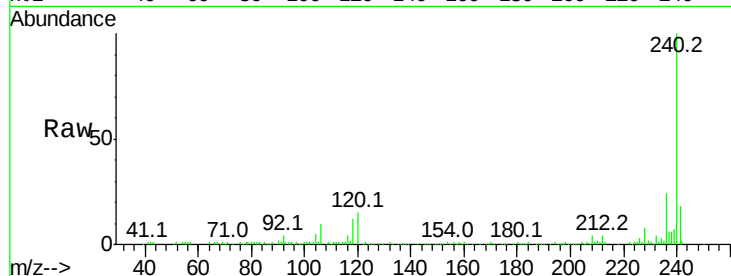
ClientSampleId :

HORTICULTURAL-SUB-SOIL

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.8	5.8	8.8#
236	24.5	20.5	30.7

Manual Integrations
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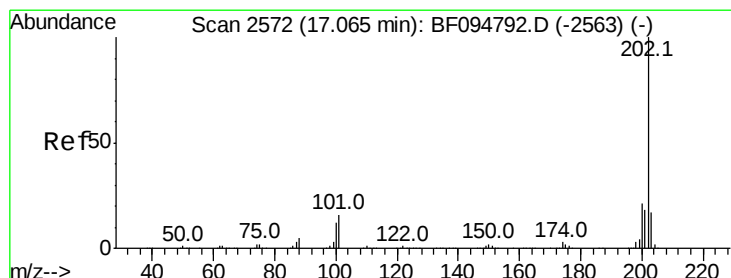
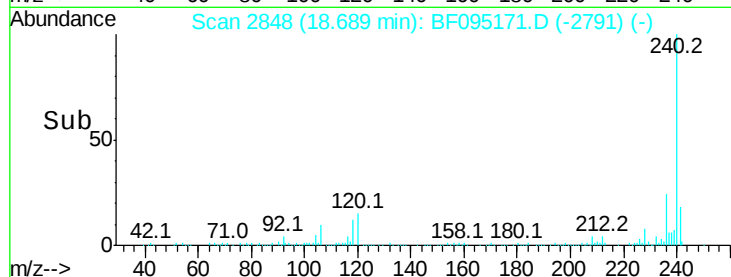
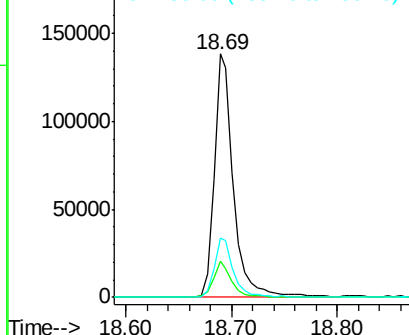
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.50 ng

RT: 17.11 min Scan# 2579

Delta R.T. 0.04 min

Lab File: BF095171.D

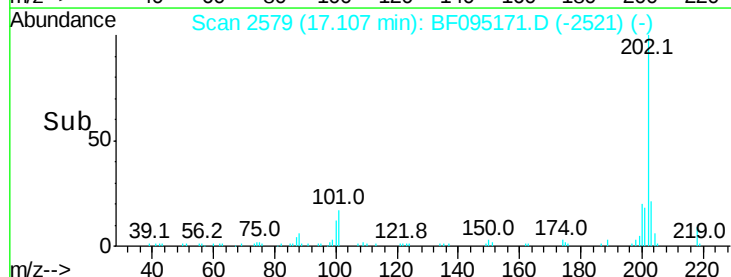
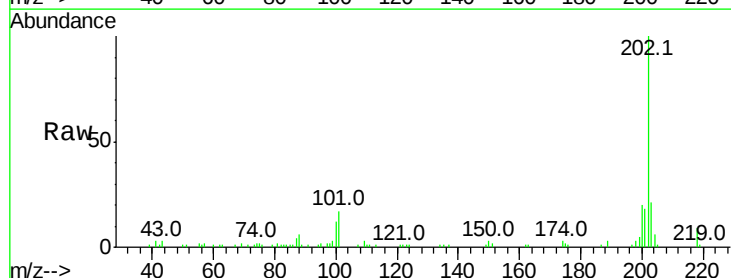
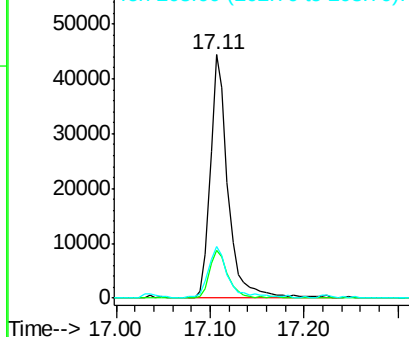
Acq: 16 May 2017 23:11

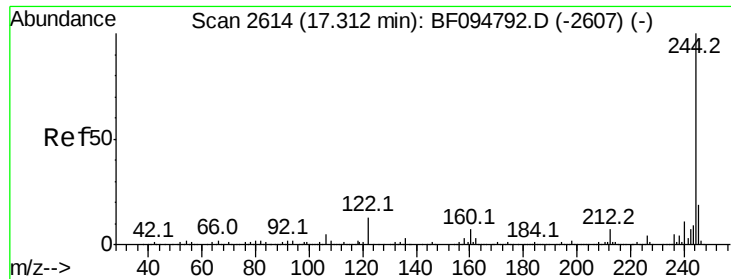
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.6	26.4
203	21.1	14.4	21.6

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 48.91 ng

RT: 17.34 min Scan# 2618

Delta R.T. 0.02 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

Instrument :

BNA_F

ClientSampleId :

HORTICULTURAL-SUB-SOIL

Tot Ion:244 Resp: 391456

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

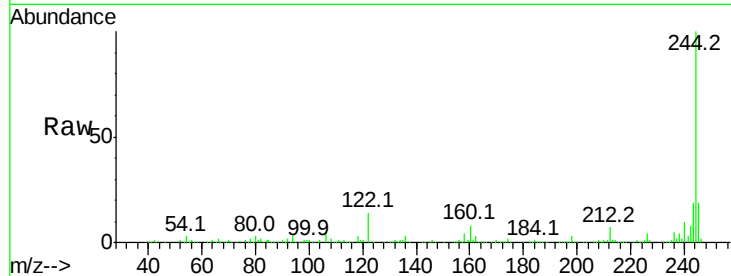
122 14.3 10.3 15.5

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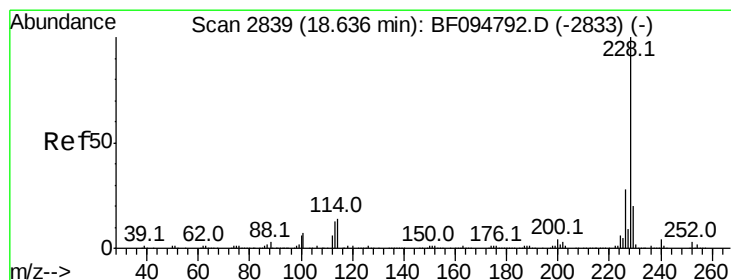
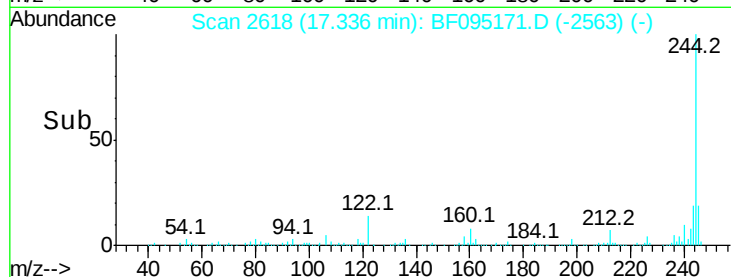
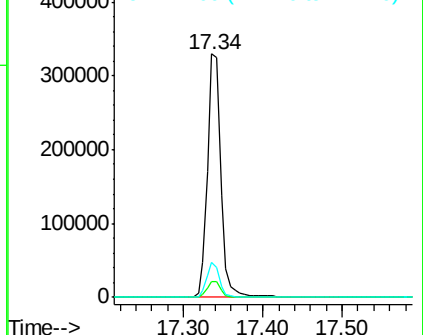
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.50 ng

RT: 18.68 min Scan# 2847

Delta R.T. 0.05 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

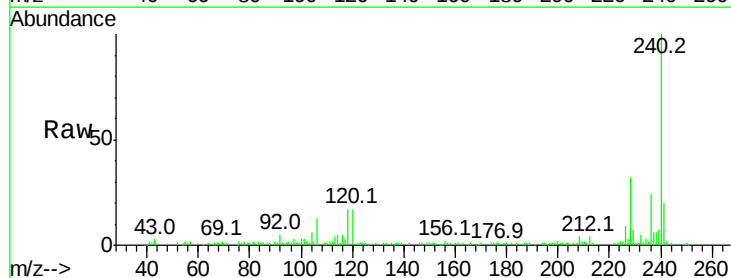
Tgt Ion:228 Resp: 25684

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

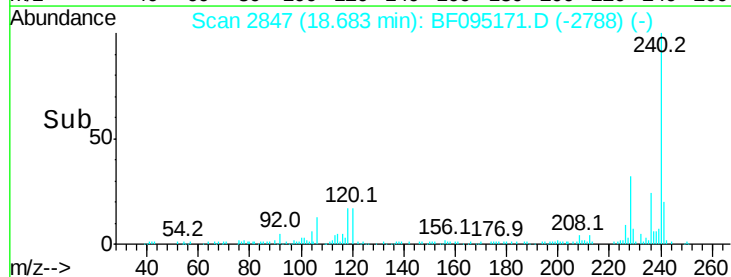
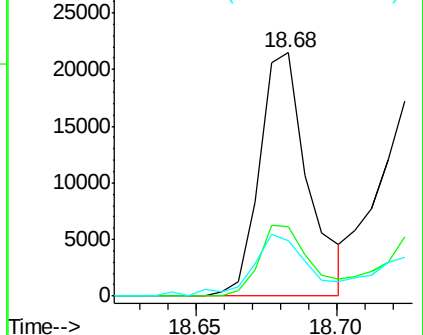
229 22.6 16.3 24.5

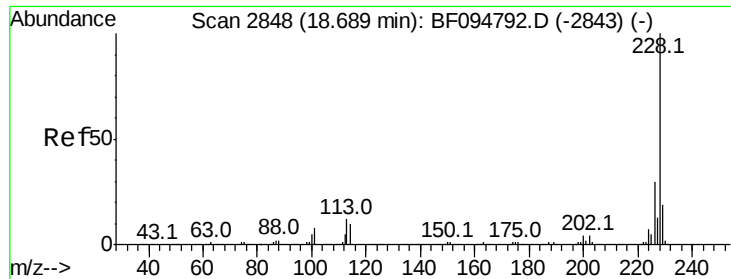


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





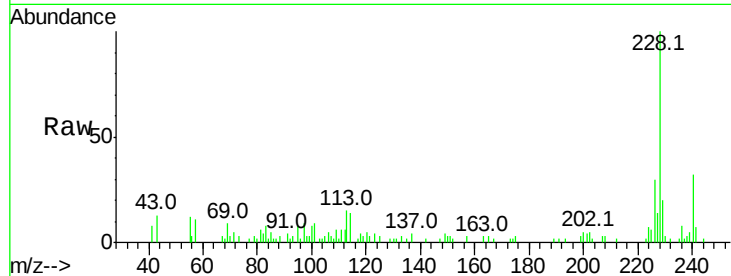
#82
Chrysene
Concen: 2.98 ng
RT: 18.72 min Scan# 2854
Delta R.T. 0.04 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

Instrument :
BNA_F
ClientSampleId :
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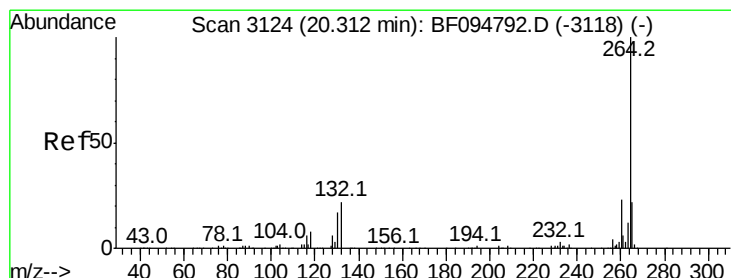
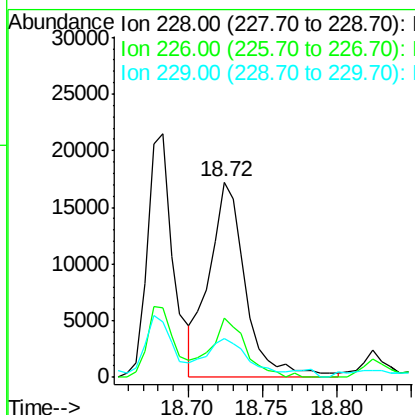
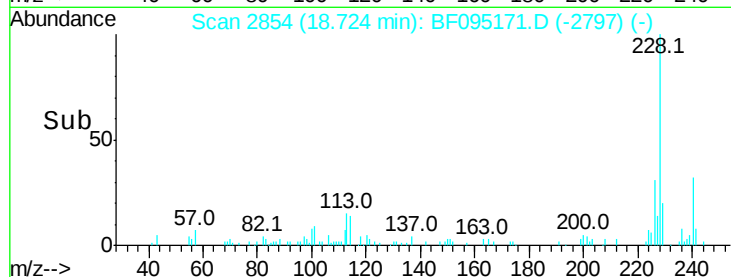
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	19.7	15.8	23.6

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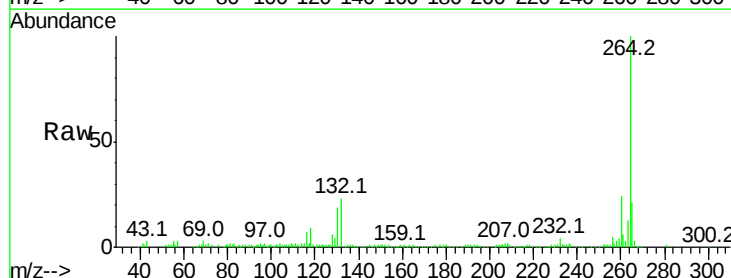


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

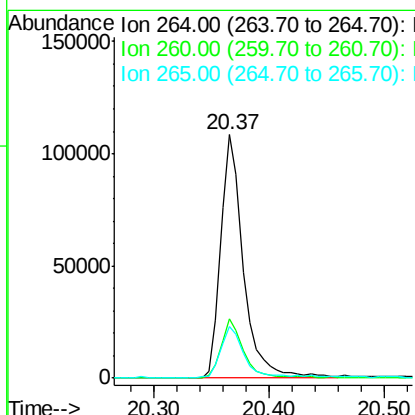
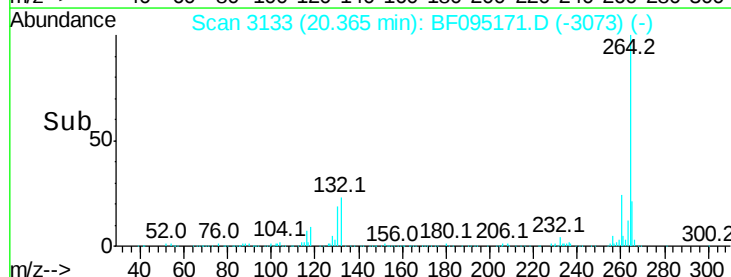


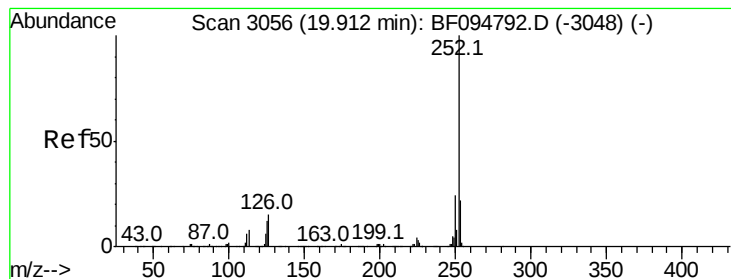
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.05 min
Lab File: BF095171.D
Acq: 16 May 2017 23:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.2	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: 3.43 ng

RT: 19.97 min Scan# 3065

Delta R.T. 0.05 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

Instrument :

BNA_F

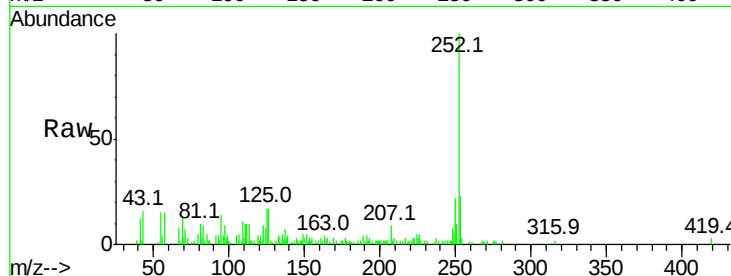
ClientSampleId :

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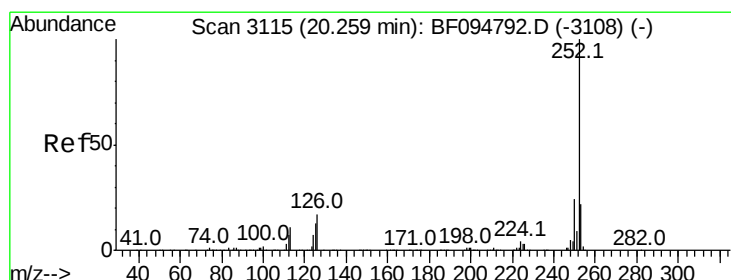
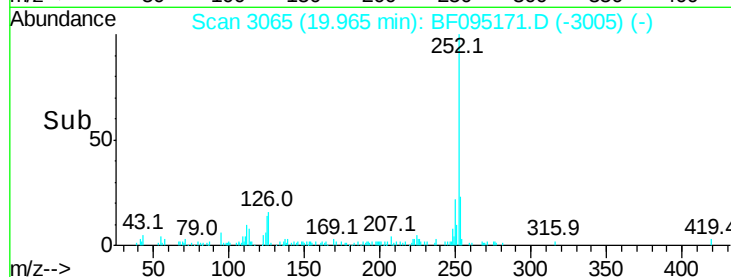
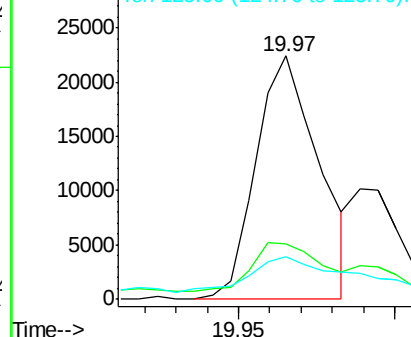
Tot Ion:	252	Resp:	31466
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.1	27.1
125	17.4	9.8	14.8#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 2.53 ng

RT: 20.31 min Scan# 3124

Delta R.T. 0.05 min

Lab File: BF095171.D

Acq: 16 May 2017 23:11

Tgt Ion:	252	Resp:	21419
Ion Ratio	Lower	Upper	
252	100		
253	27.4	17.5	26.3#
125	23.5	11.0	16.4#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

