

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
 Data File : BF109845.D
 Acq On : 12 Oct 2018 20:29
 Operator : JU/SJ
 Sample : J5395-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PH-SOIL

Manual Integrations
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Sohil
 10/15/2018 10:28:36 AM

Quant Time: Oct 15 06:55:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	91780	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	366735	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	158773	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	246037	20.00	ng	0.00
75) Chrysene-d12	13.83	240	162819	20.00	ng	0.00
86) Perylene-d12	15.23	264	148462	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	558544	108.02	ng	0.00
7) Phenol-d6	6.35	99	773138	111.93	ng	-0.01
23) Nitrobenzene-d5	7.26	82	511392	76.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	155479	89.87	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	865898	75.11	ng	0.00
78) Terphenyl-d14	12.78	244	525144	62.44	ng	0.00
Target Compounds						
10) Phenol	6.36	94	26829	3.387	ng	89
49) Dimethylphthalate	9.45	163	101587	8.724	ng	99
70) Phenanthrene	11.23	178	272480	22.130	ng	99
71) Anthracene	11.28	178	87290m	6.858	ng	
74) Fluoranthene	12.41	202	336426	26.155	ng	99
77) Pyrene	12.64	202	301722	25.293	ng	98
80) Benzo(a)anthracene	13.82	228	130975	14.577	ng	97
82) Chrysene	13.86	228	130281	13.804	ng	98
85) Indeno(1,2,3-cd)pyrene	16.59	276	42917	6.353	ng	95
87) Benzo(b)fluoranthene	14.84	252	118620m	14.458	ng	
88) Benzo(k)fluoranthene	14.86	252	48453m	5.878	ng	
89) Benzo(a)pyrene	15.18	252	90858	12.204	ng	# 88
91) Benzo(a,h,i)perylene	16.99	276	38980	6.384	ng	# 88

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

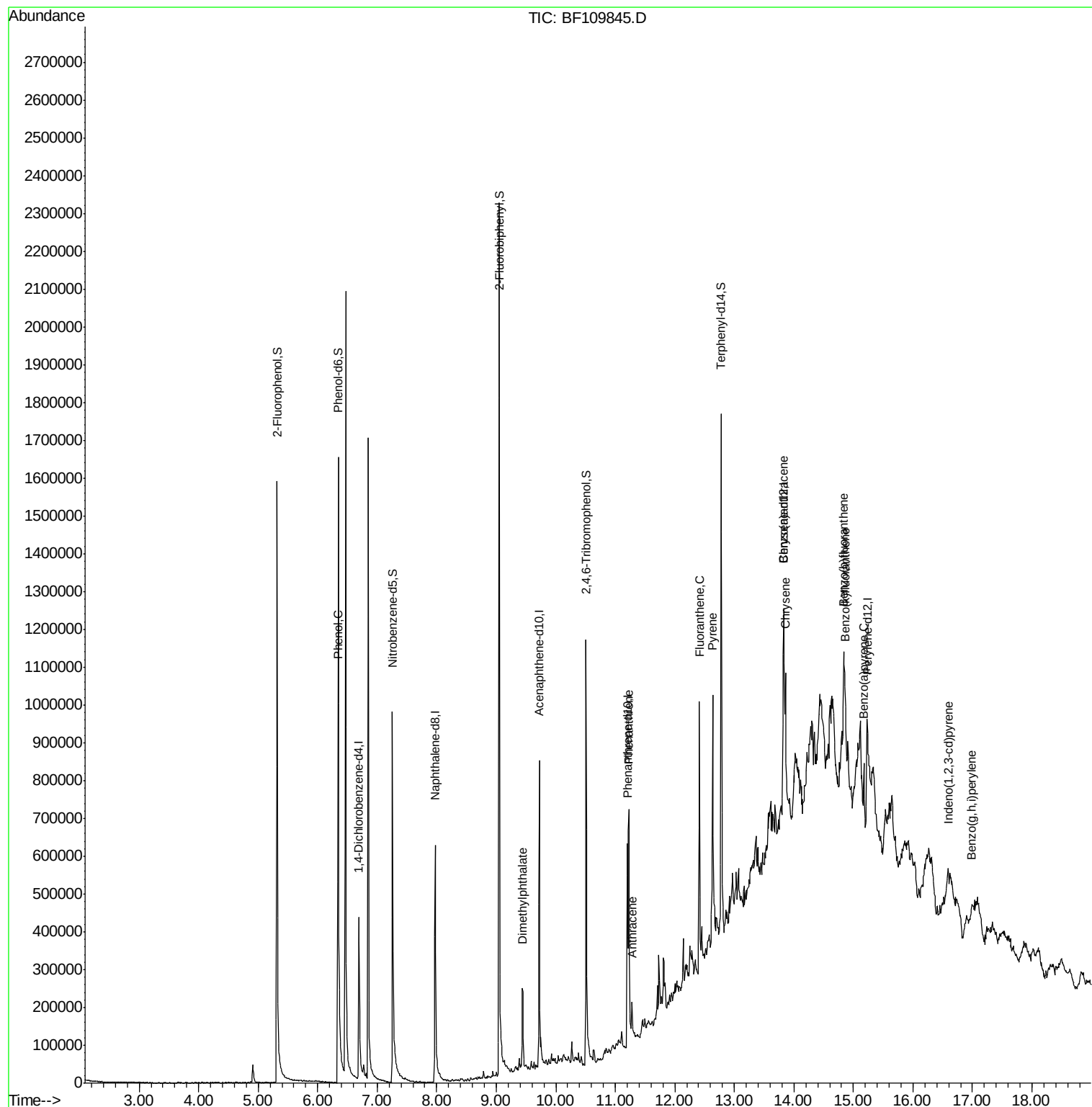
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
Data File : BF109845.D
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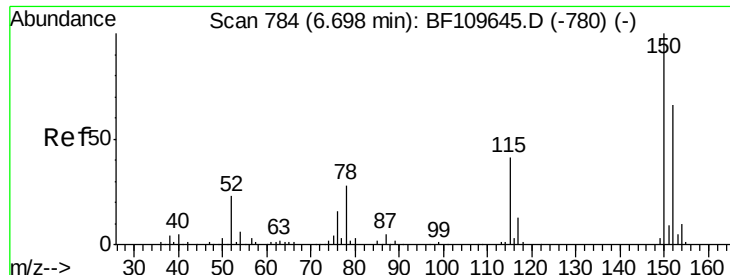
Instrument :
BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

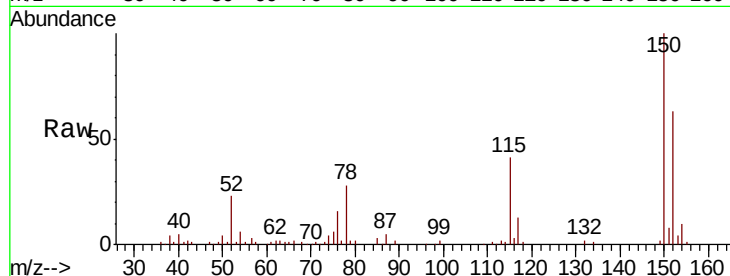
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	122.7	184.1
115	64.4	49.1	73.7

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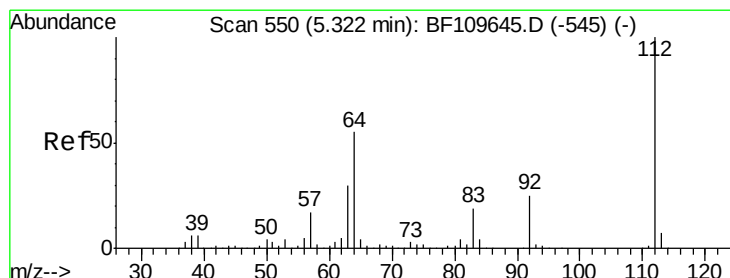
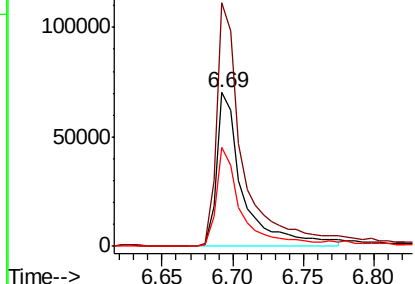
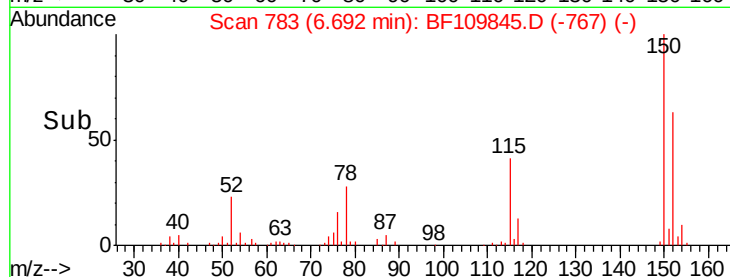


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

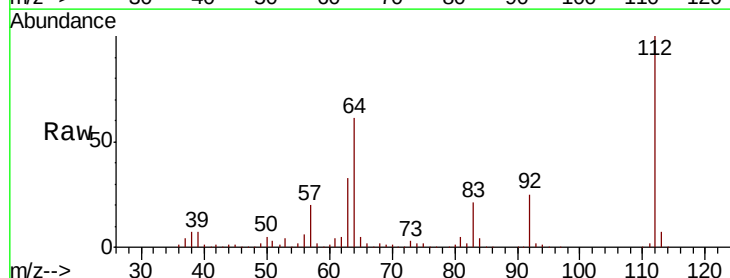
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 108.023 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	44.1	66.1
63	32.6	23.7	35.5

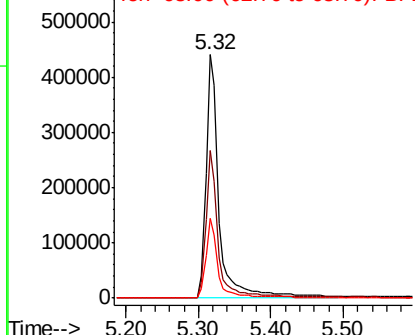
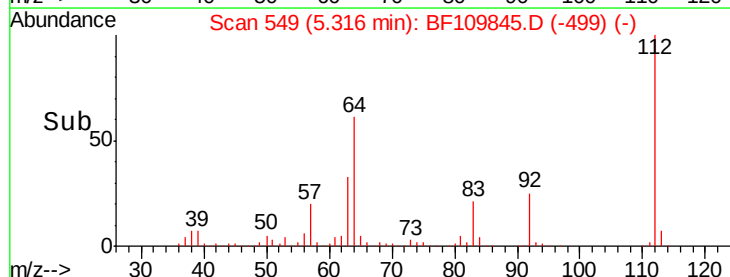


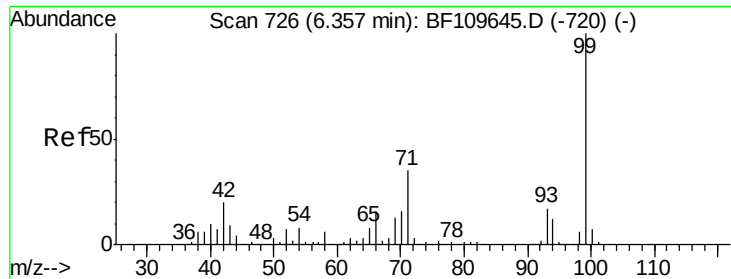
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 111.930 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

Instrument :

BNA_F

ClientSampled :

PH-SOIL

Tot Ion: 99 Resp: 773138

Ion Ratio Lower Upper

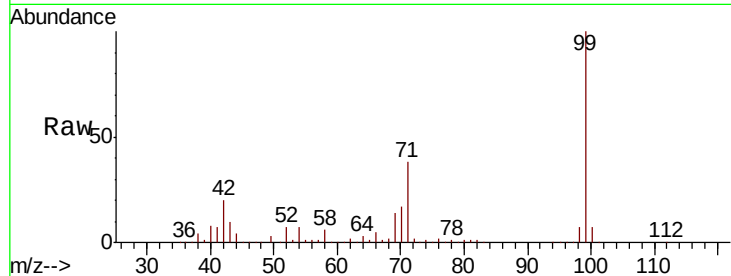
99 100

42 20.2 15.8 23.6

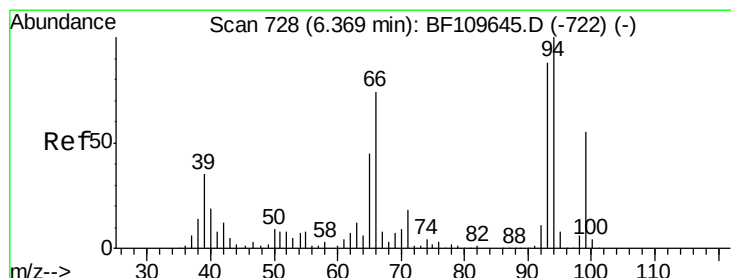
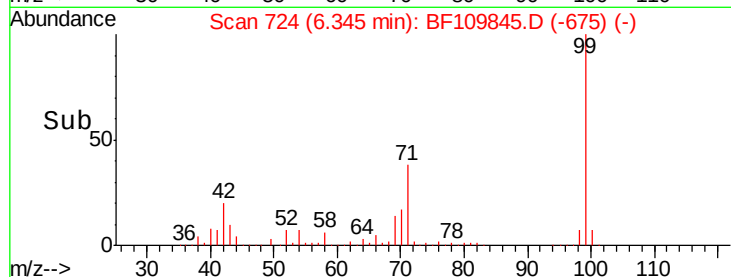
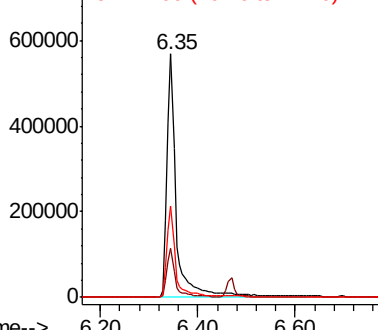
71 37.7 28.0 42.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.387 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

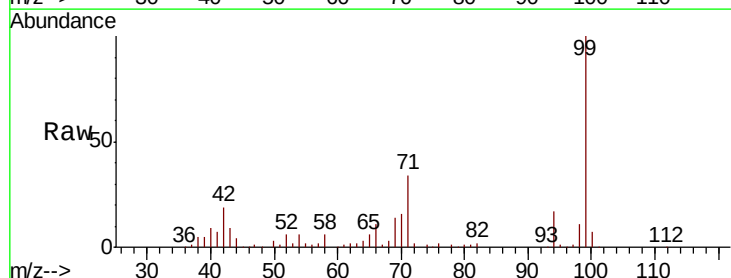
Tgt Ion: 94 Resp: 26829

Ion Ratio Lower Upper

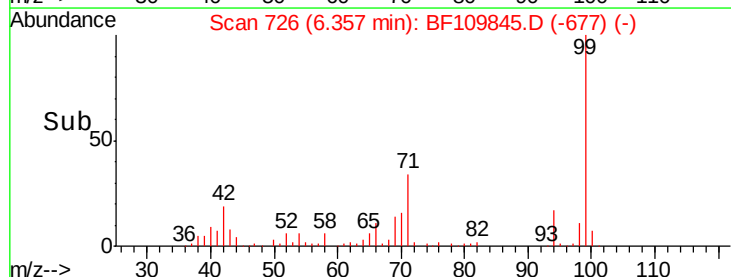
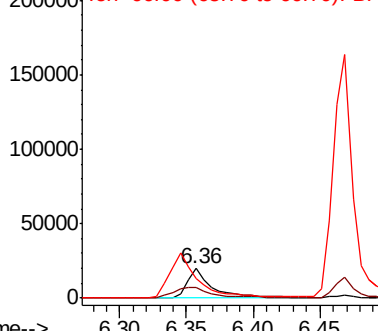
94 100

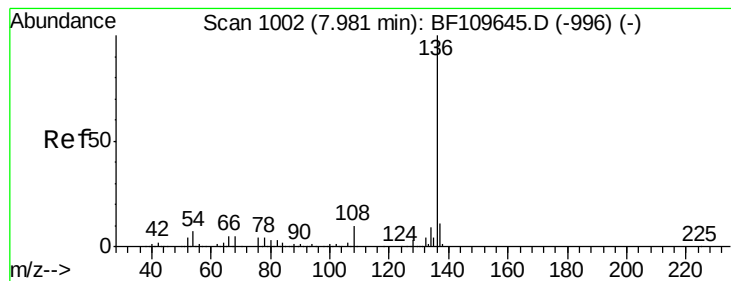
65 35.0 25.3 65.3

66 67.6 54.5 94.5



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





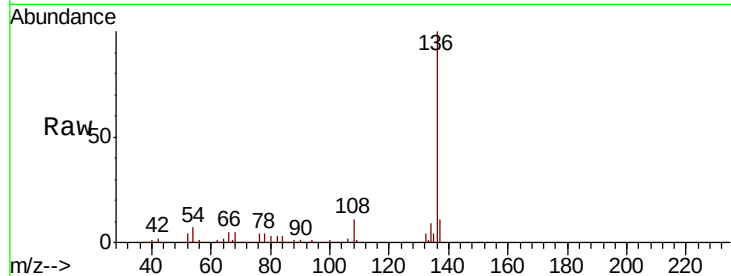
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Instrument :
BNA_F
ClientSampled :
PH-SOIL

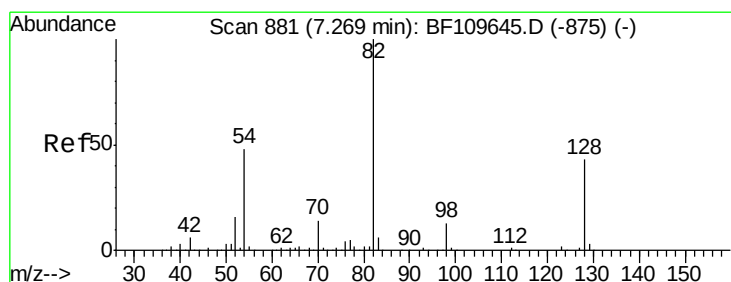
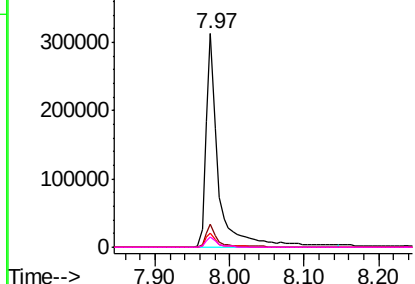
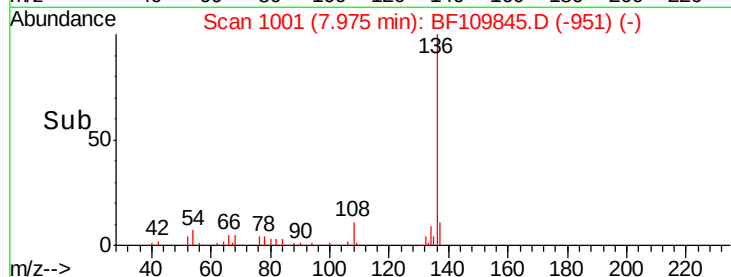
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.8	5.4	8.2
68	5.0	4.2	6.2

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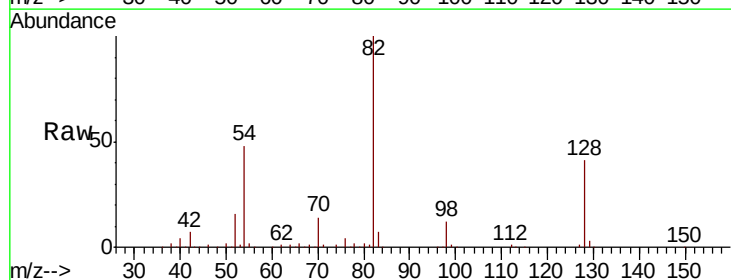


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

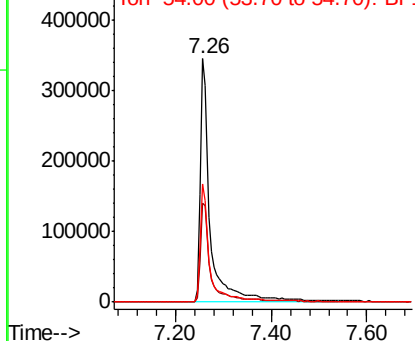
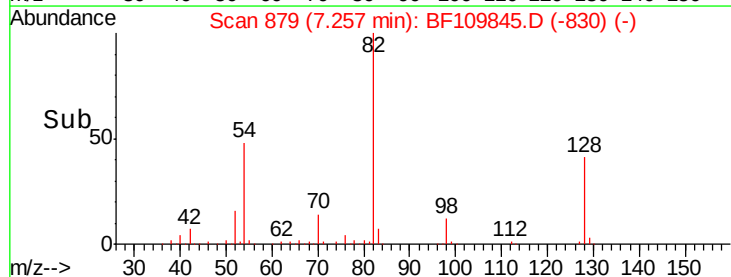


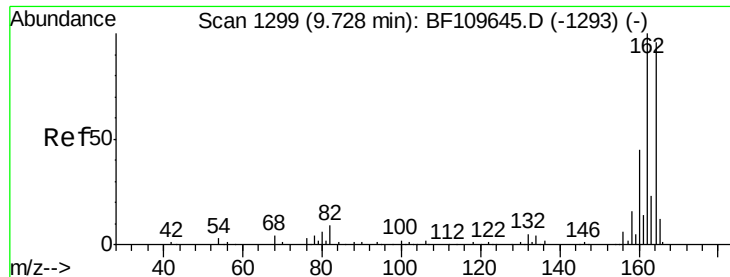
#23
Nitrobenzene-d5
Concen: 76.867 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	40.6	34.2	51.2
54	48.3	38.6	58.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





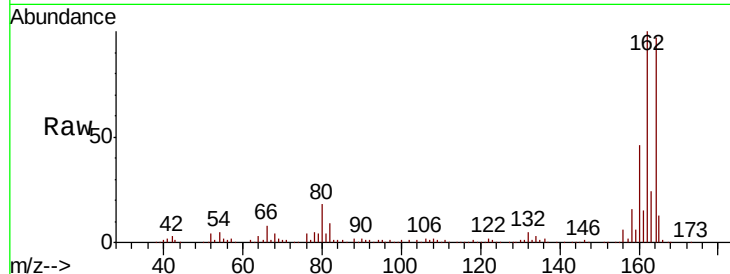
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF109845.D
 Acq: 12 Oct 2018 20:29

Instrument :
 BNA_F
 ClientSampleId :
 PH-SOIL

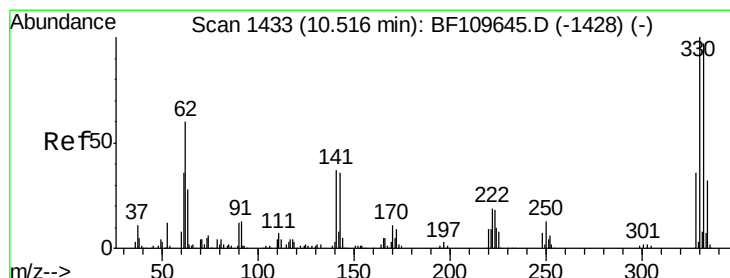
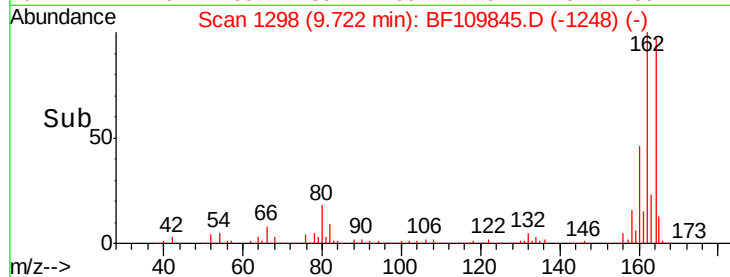
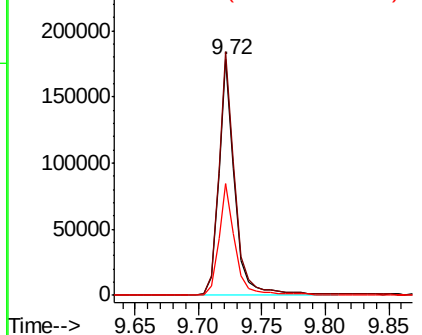
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.4	83.0	124.6	
160	47.7	37.0	55.6	

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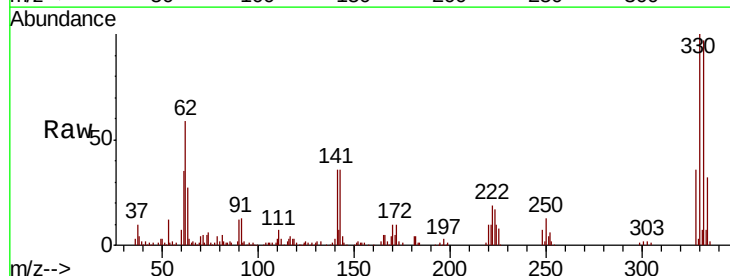


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

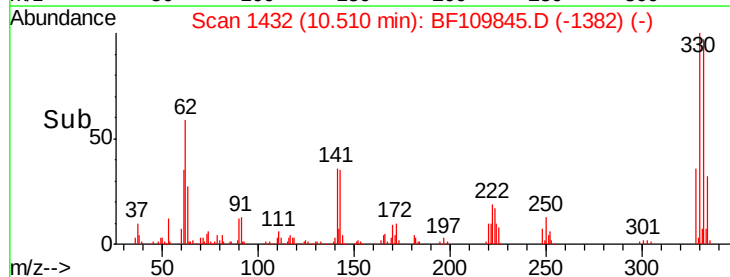
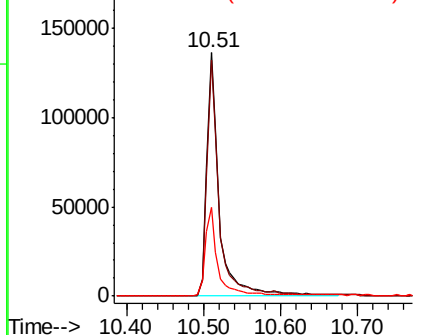


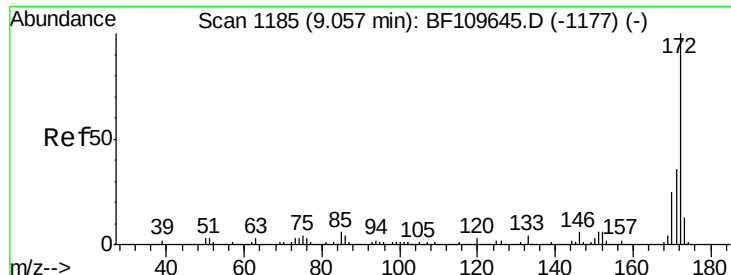
#41
 2,4,6-Tribromophenol
 Concen: 89.872 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109845.D
 Acq: 12 Oct 2018 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	77.1	115.7	
141	35.9	27.0	40.4	



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





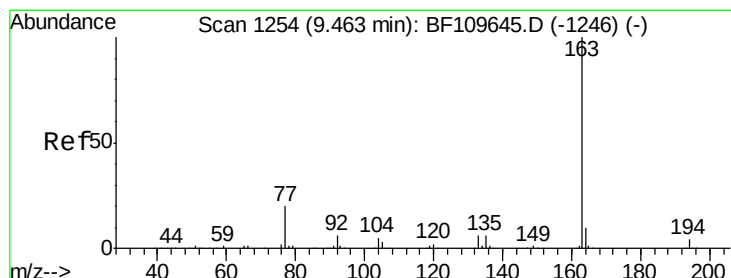
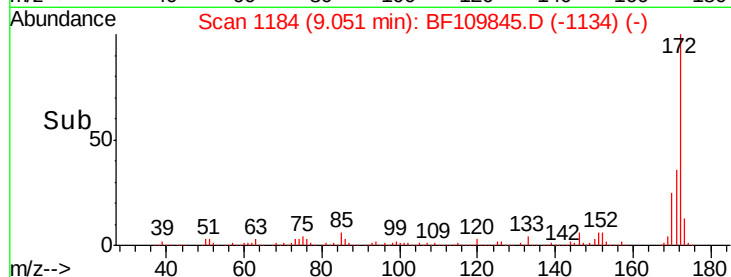
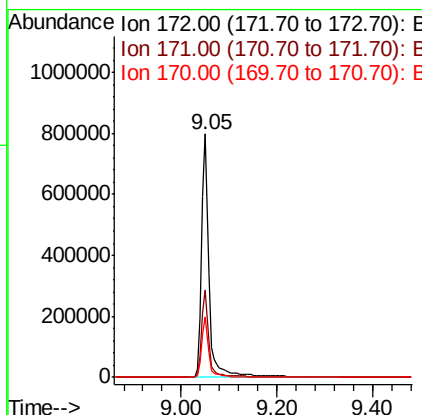
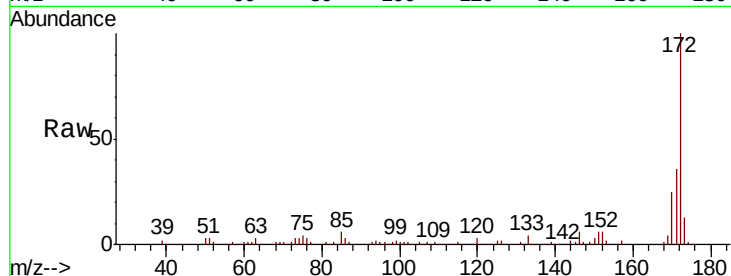
#44
2-Fluorobiphenyl
Concen: 75.111 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100	865898		
171	36.1		28.6	43.0
170	24.7		19.7	29.5

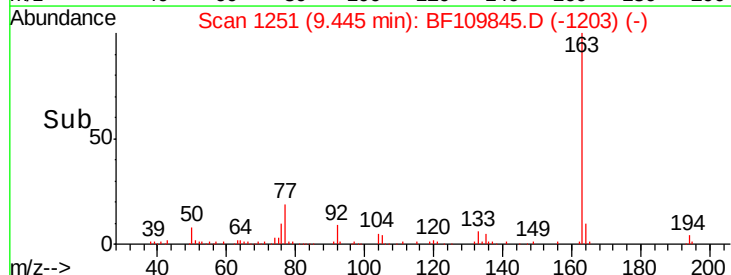
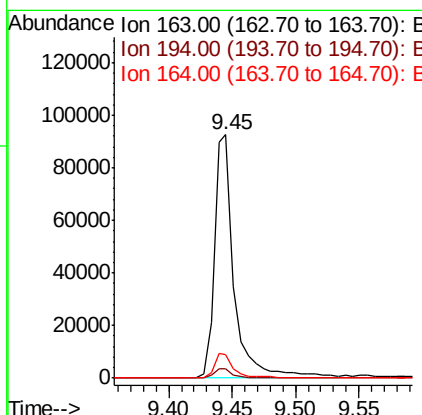
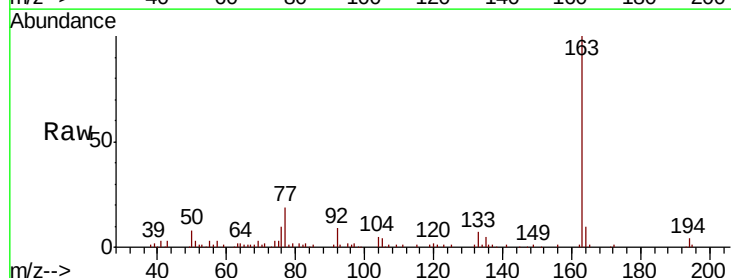
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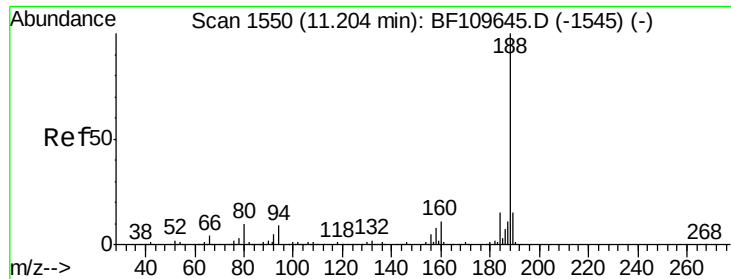
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#49
Dimethylphthalate
Concen: 8.724 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	101587		
194	4.1		3.2	4.8
164	9.7		8.1	12.1





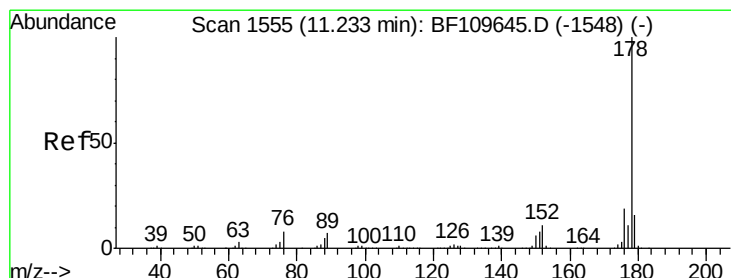
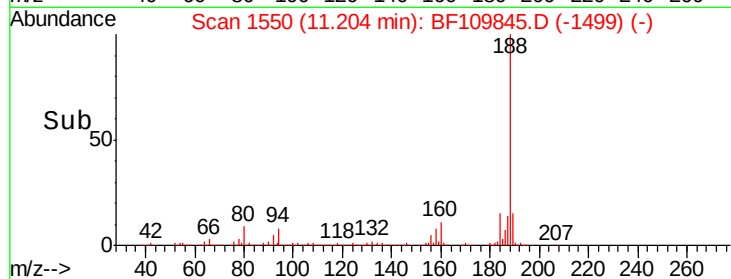
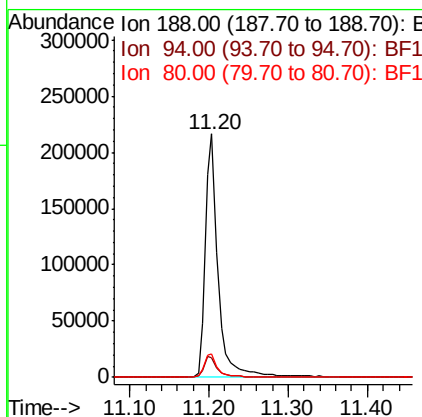
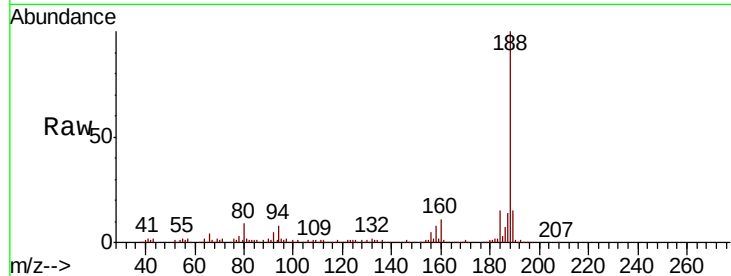
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Instrument :
BNA_F
ClientSampleId :
PH-SOIL

Tot Ion:	188	Resp:	246037
Ion Ratio	Lower	Upper	
188	100		
94	8.1	7.2	10.8
80	9.5	7.9	11.9

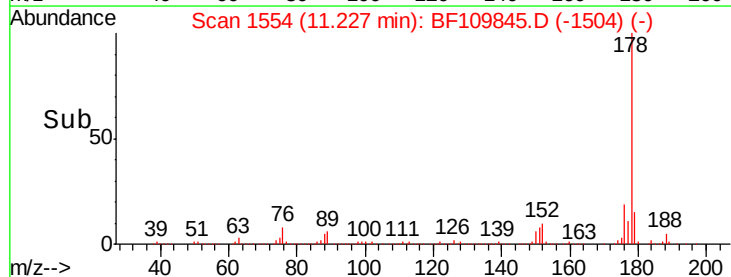
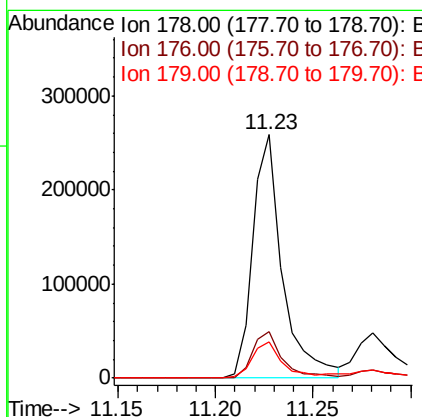
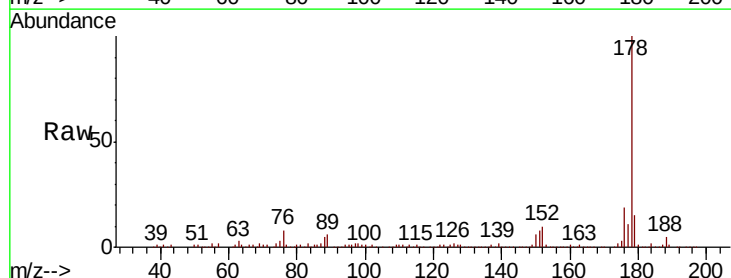
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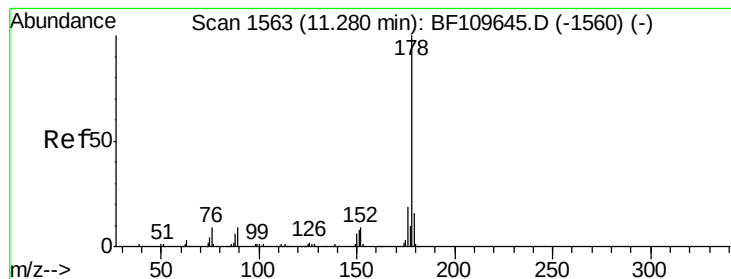
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#70
Phenanthrene
Concen: 22.130 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Tgt Ion:	178	Resp:	272480
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.5	23.3
179	14.9	12.5	18.7





#71

Anthracene

Concen: 6.858 ng/mL

RT: 11.28 min Scan# 1563

Delta R.T. -0.00 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

Instrument :

BNA_F

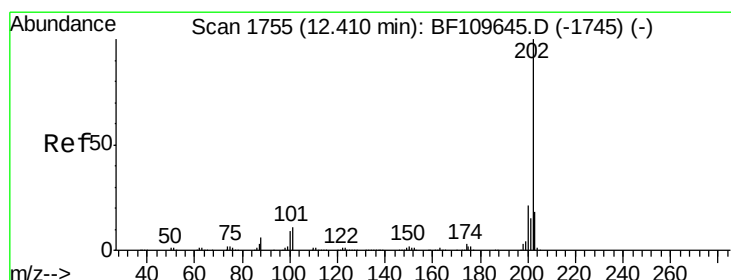
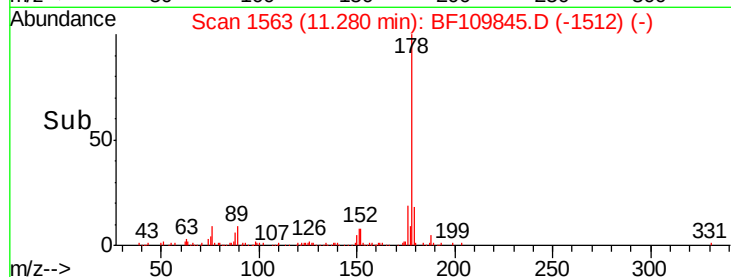
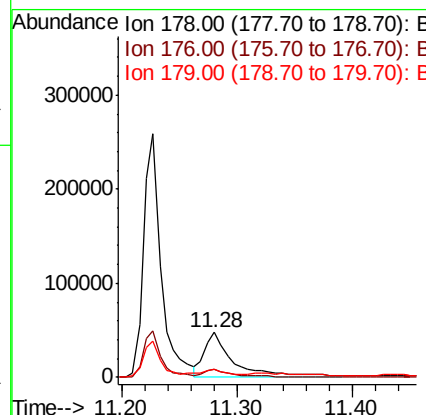
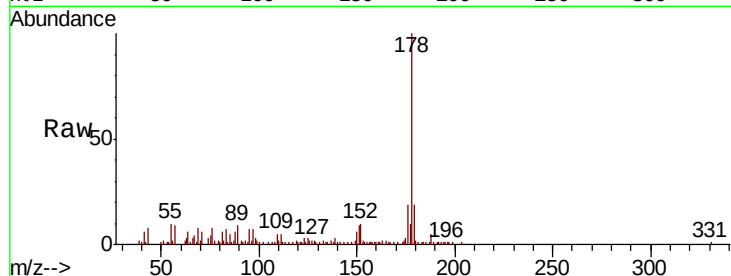
ClientSampled :

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Tot Ion:	178	Resp:	87290
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.4	23.2
179	19.0	12.6	18.8#

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#74

Fluoranthene

Concen: 26.155 ng/mL

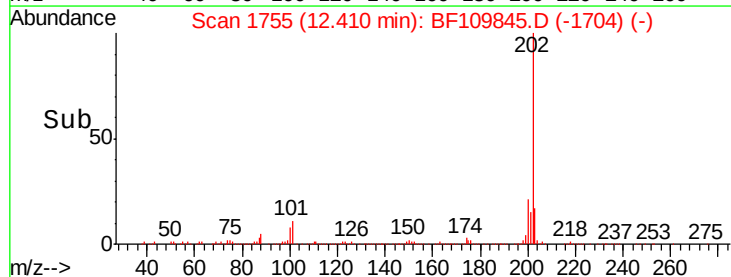
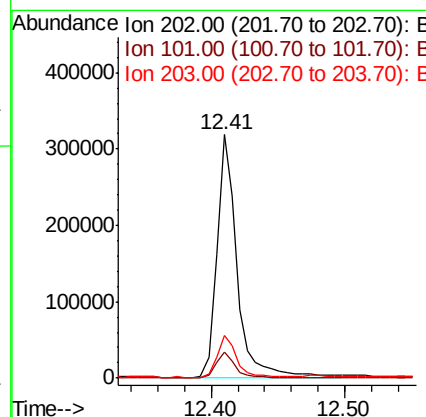
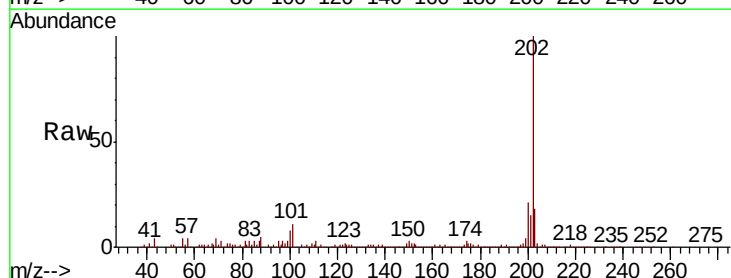
RT: 12.41 min Scan# 1755

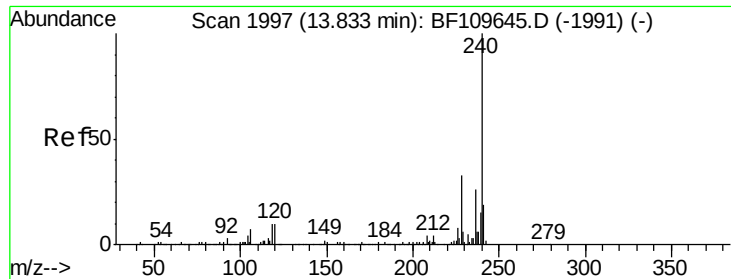
Delta R.T. -0.00 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

Tgt Ion:	202	Resp:	336426
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	31.4
203	17.7	0.0	37.7





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

Instrument :

BNA_F

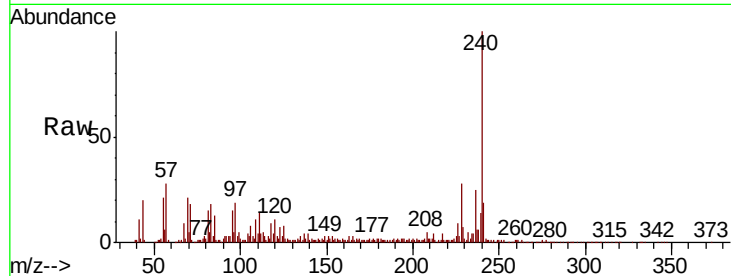
ClientSampleId :

PH-SOIL

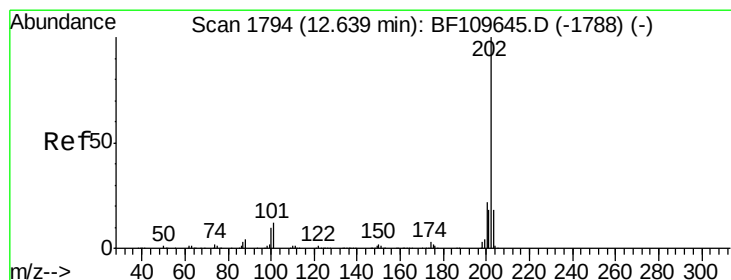
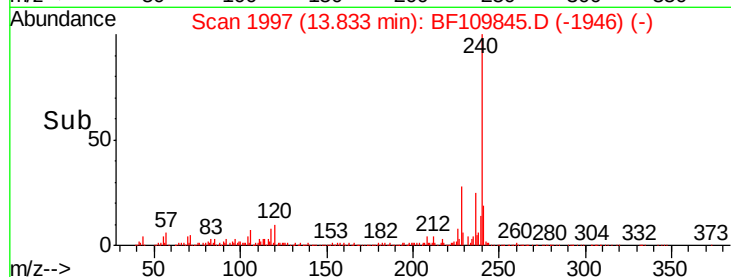
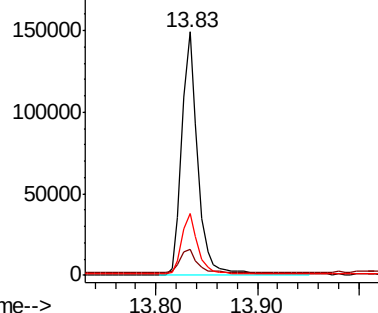
Tot Ion:	240	Resp:	162819
Ion Ratio		Lower	Upper
240	100		
120	10.9	8.3	12.5
236	25.5	21.2	31.8

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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: 25.293 ng

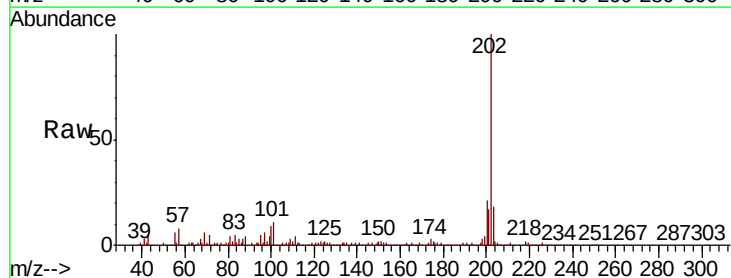
RT: 12.64 min Scan# 1794

Delta R.T. -0.00 min

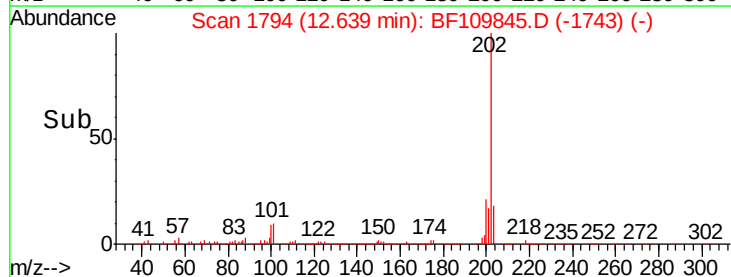
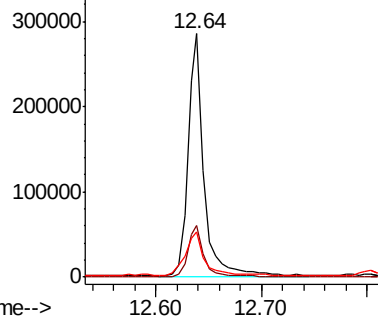
Lab File: BF109845.D

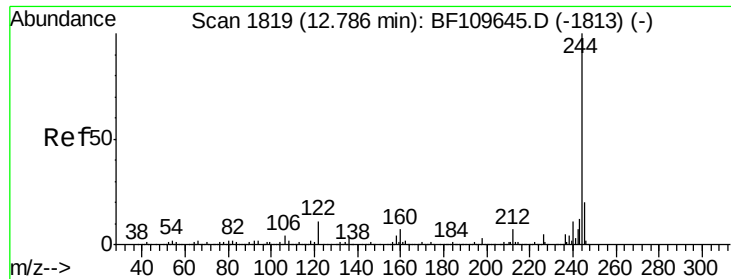
Acq: 12 Oct 2018 20:29

Tgt Ion:	202	Resp:	301722
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.8	26.6
203	18.4	14.2	21.4



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





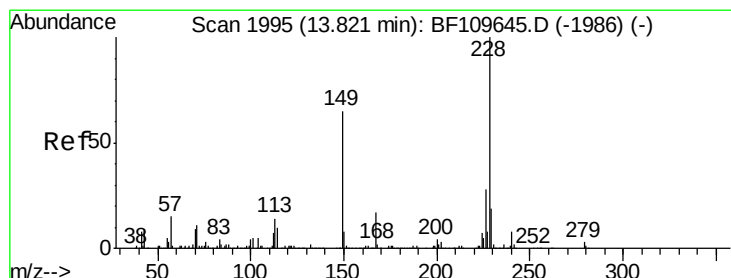
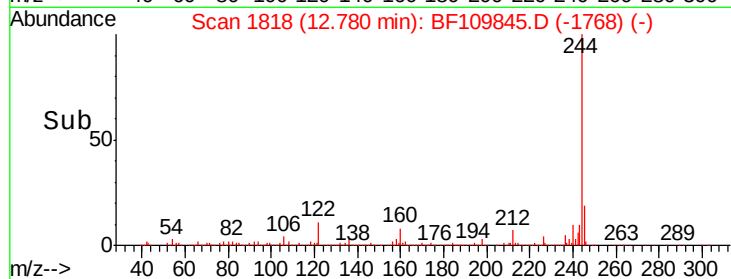
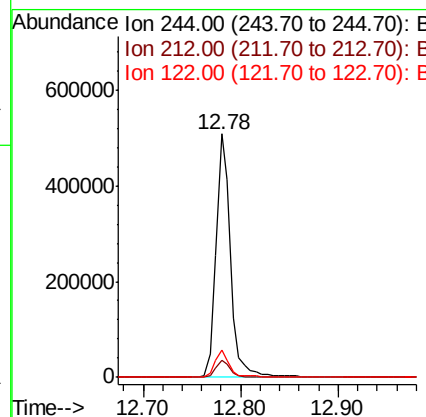
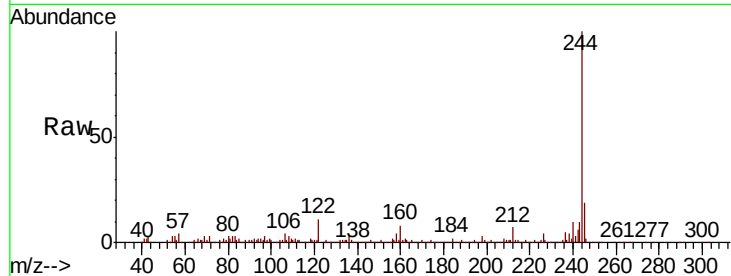
#78
 Terphenyl-d14
 Concen: 62.437 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109845.D
 Acq: 12 Oct 2018 20:29

Instrument :
 BNA_F
 ClientSampled :
 PH-SOIL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	11.1	8.7	13.1

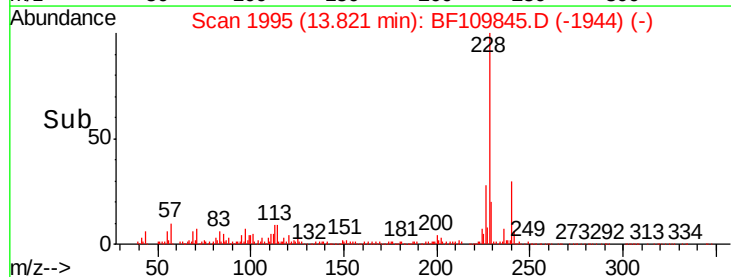
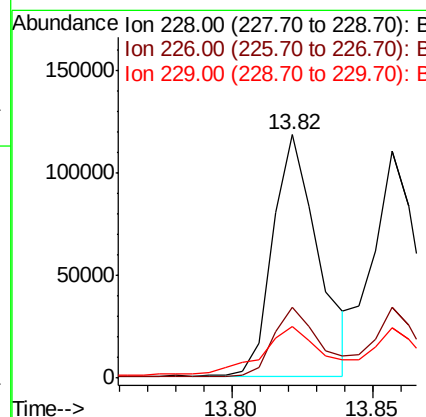
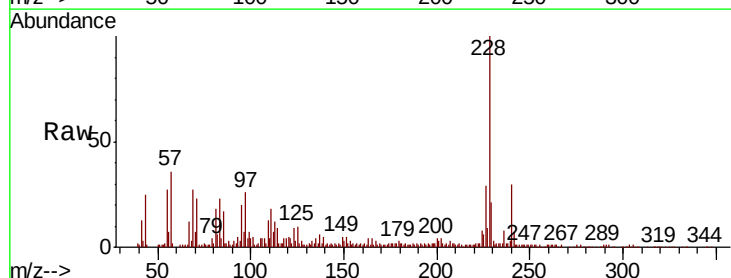
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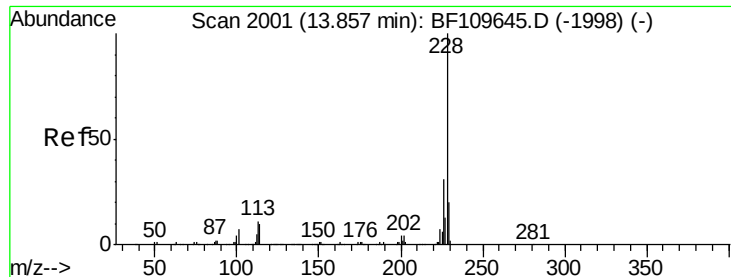
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#80
 Benzo(a)anthracene
 Concen: 14.577 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.00 min
 Lab File: BF109845.D
 Acq: 12 Oct 2018 20:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.1	33.1
229	21.0	15.6	23.4





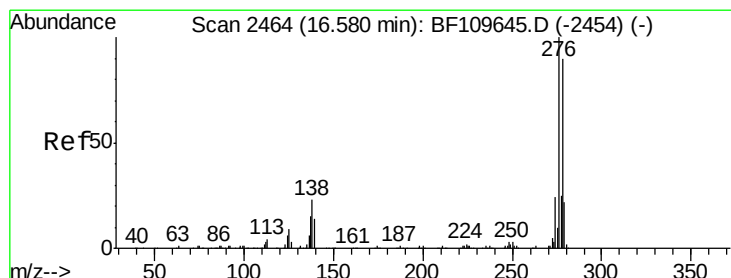
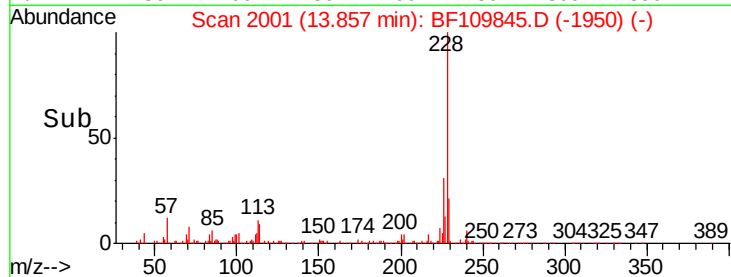
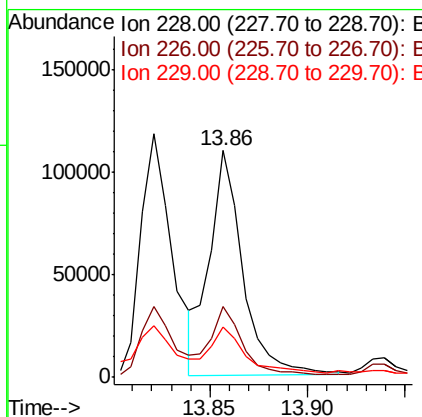
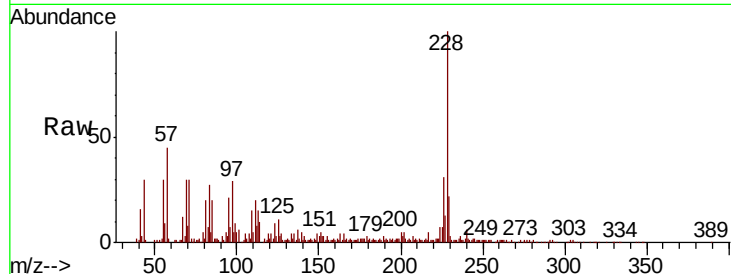
#82
Chrysene
Concen: 13.804 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Instrument :
BNA_F
ClientSampleId :
PH-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.7	37.1
229	22.0	15.9	23.9

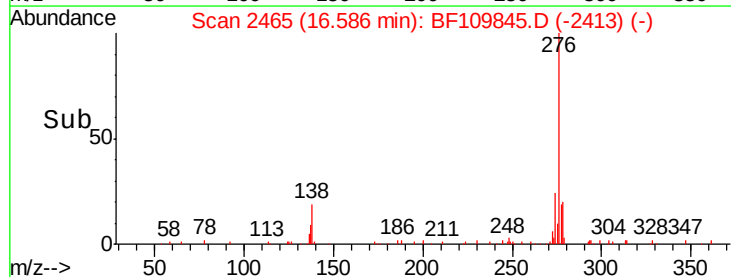
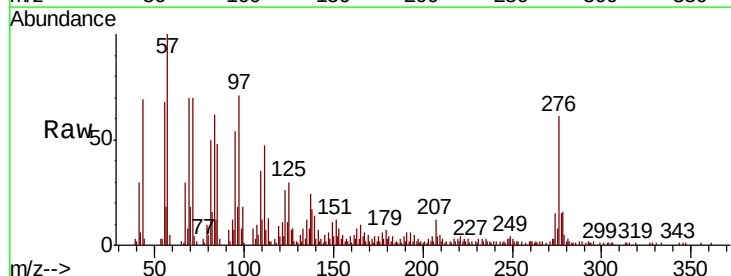
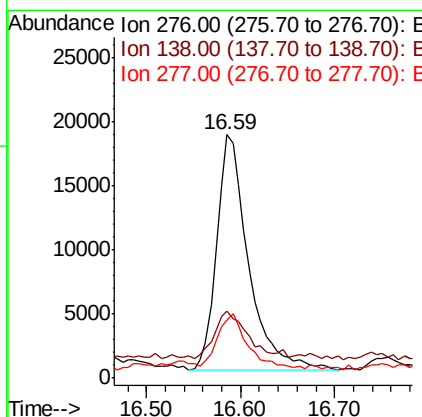
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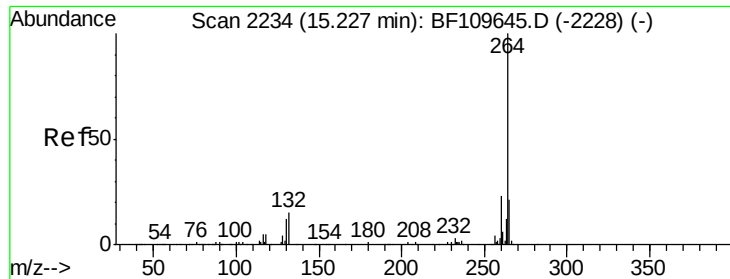
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.353 ng
RT: 16.59 min Scan# 2465
Delta R.T. 0.01 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	18.5	27.7
277	22.2	20.0	30.0





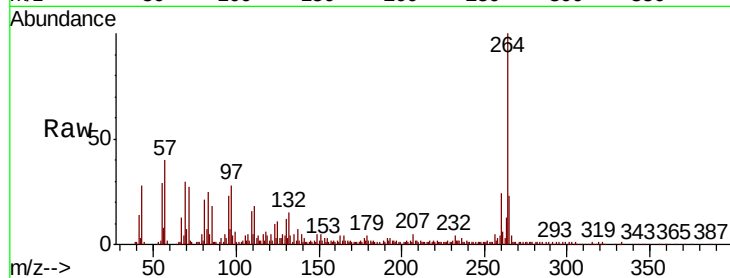
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

Instrument :
BNA_F
ClientSampleId :
PH-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.9	16.7	25.1

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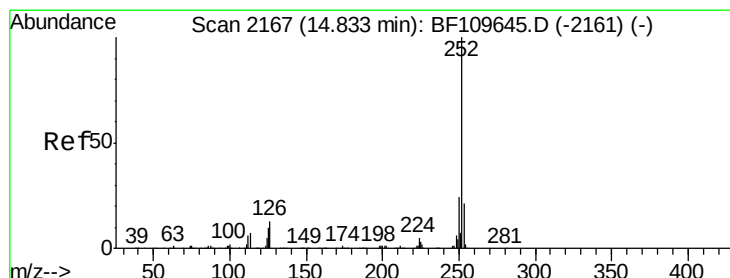
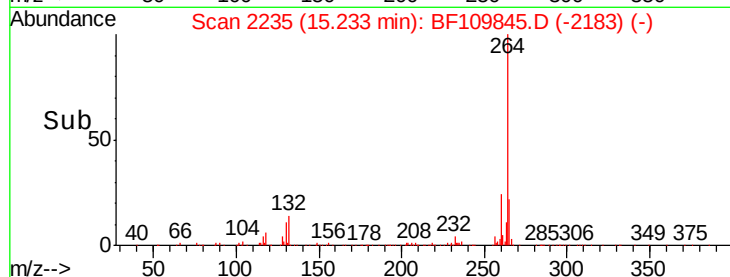
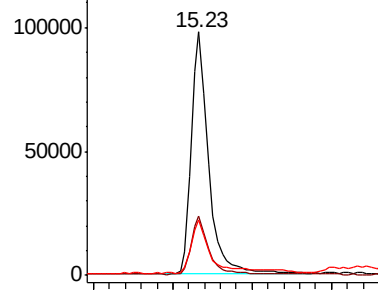


Abundance

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: 14.458 ng m
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109845.D
Acq: 12 Oct 2018 20:29

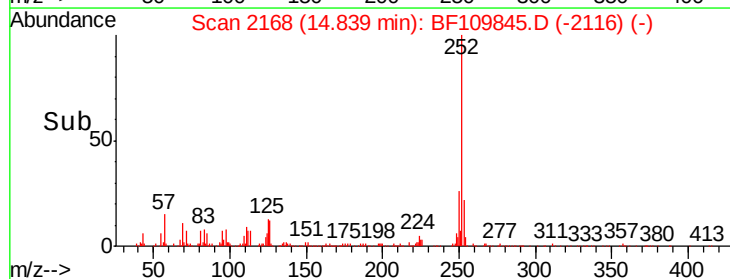
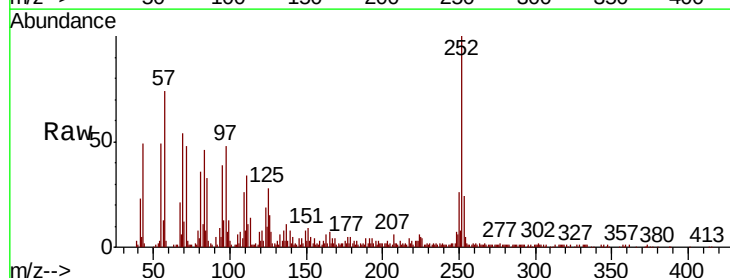
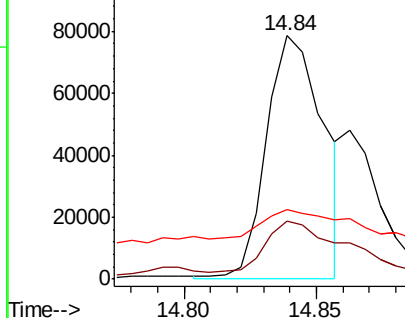
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	28.3	8.2	12.4#

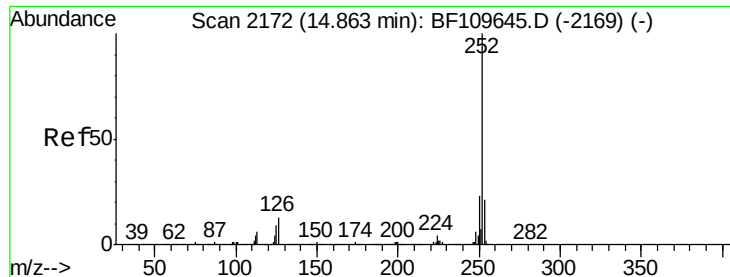
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 5.878 ng

RT: 14.86 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

Instrument :

BNA_F

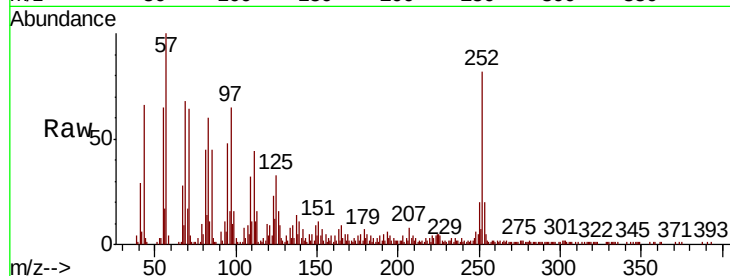
ClientSampled :

PH-SOIL

Tot Ion:	252	Resp:	48453
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.2	25.8
125	40.6	7.4	11.0#

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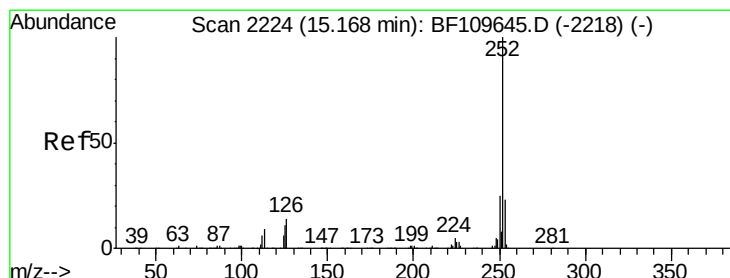
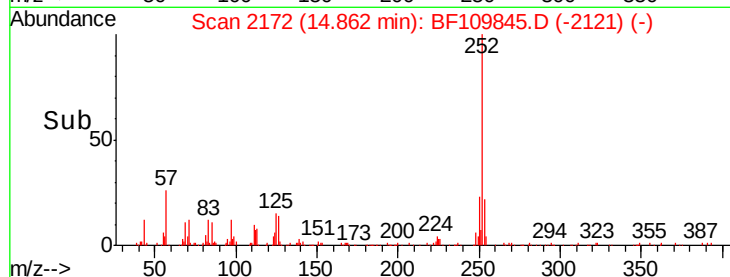
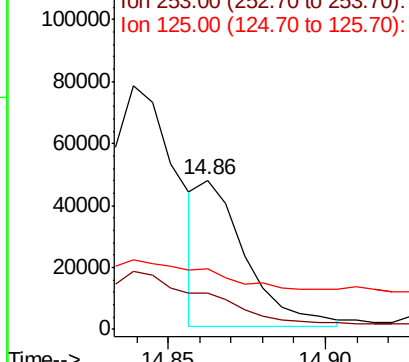


Abundance

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: 12.204 ng

RT: 15.18 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

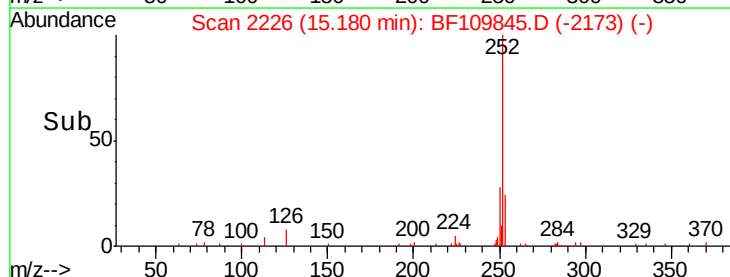
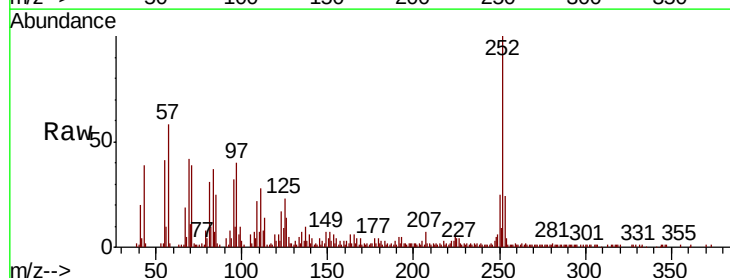
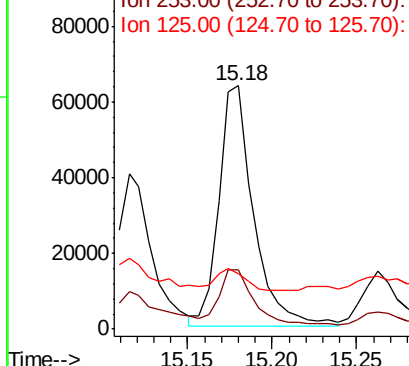
Tgt Ion:	252	Resp:	90858
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.2	27.4
125	22.9	9.0	13.6#

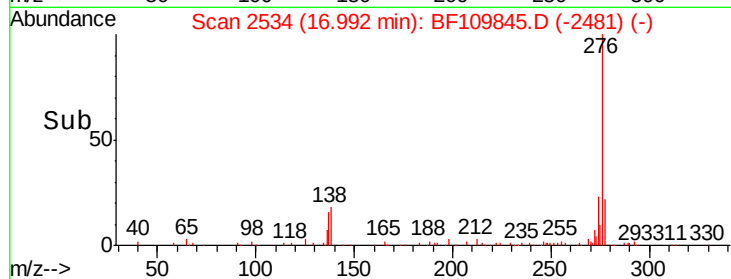
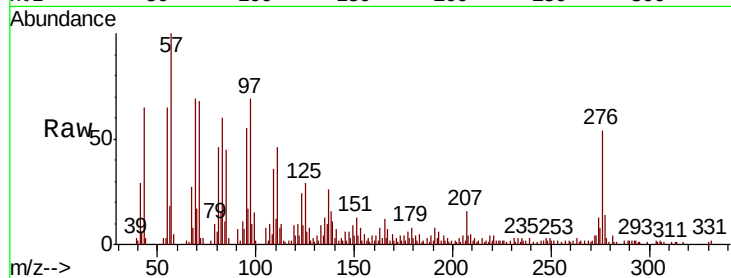
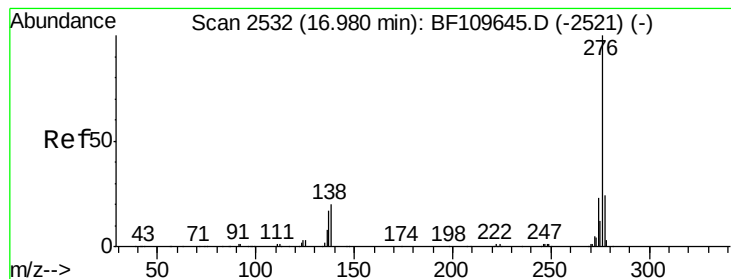
Abundance

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





#91

Benzo(a,h,i)perylene

Concen: 6.384 ng

RT: 16.99 min Scan# 2534

Delta R.T. 0.01 min

Lab File: BF109845.D

Acq: 12 Oct 2018 20:29

Instrument :

BNA_F

ClientSampleId :

PH-SOIL

Tot Ion:	276	Resp:	38980
Ion Ratio	Lower	Upper	
276	100		
277	26.7	18.8	28.2
138	28.9	16.0	24.0

Manual Integrations
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