

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
 Data File : BF108255.D
 Acq On : 17 Aug 2018 20:47
 Operator : JU/SJ
 Sample : J4496-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-TOP-SOIL

Manual Integrations
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 8/20/2018 12:48:32 PM

Quant Time: Aug 18 00:47:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	164223	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	639548	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	313723	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	556990	20.00	ng	0.00
75) Chrysene-d12	14.21	240	427466	20.00	ng	0.00
86) Perylene-d12	15.77	264	347529	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	742670	81.87	ng	0.01
7) Phenol-d6	6.64	99	1003707	83.27	ng	0.00
23) Nitrobenzene-d5	7.58	82	661810	57.74	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	264542	84.54	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1246500	63.79	ng	0.00
78) Terphenyl-d14	13.14	244	1092472	64.98	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	134245	6.143	ng	99
70) Phenanthrene	11.58	178	118590	4.514	ng	97
74) Fluoranthene	12.78	202	165917	5.787	ng	93
77) Pyrene	13.01	202	148147	5.474	ng	99
80) Benzo(a)anthracene	14.20	228	77936	3.177	ng	97
82) Chrysene	14.24	228	74728	3.323	ng	98
87) Benzo(b)fluoranthene	15.30	252	84670m	4.077	ng	
89) Benzo(a)pyrene	15.70	252	52615	2.829	ng	99

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

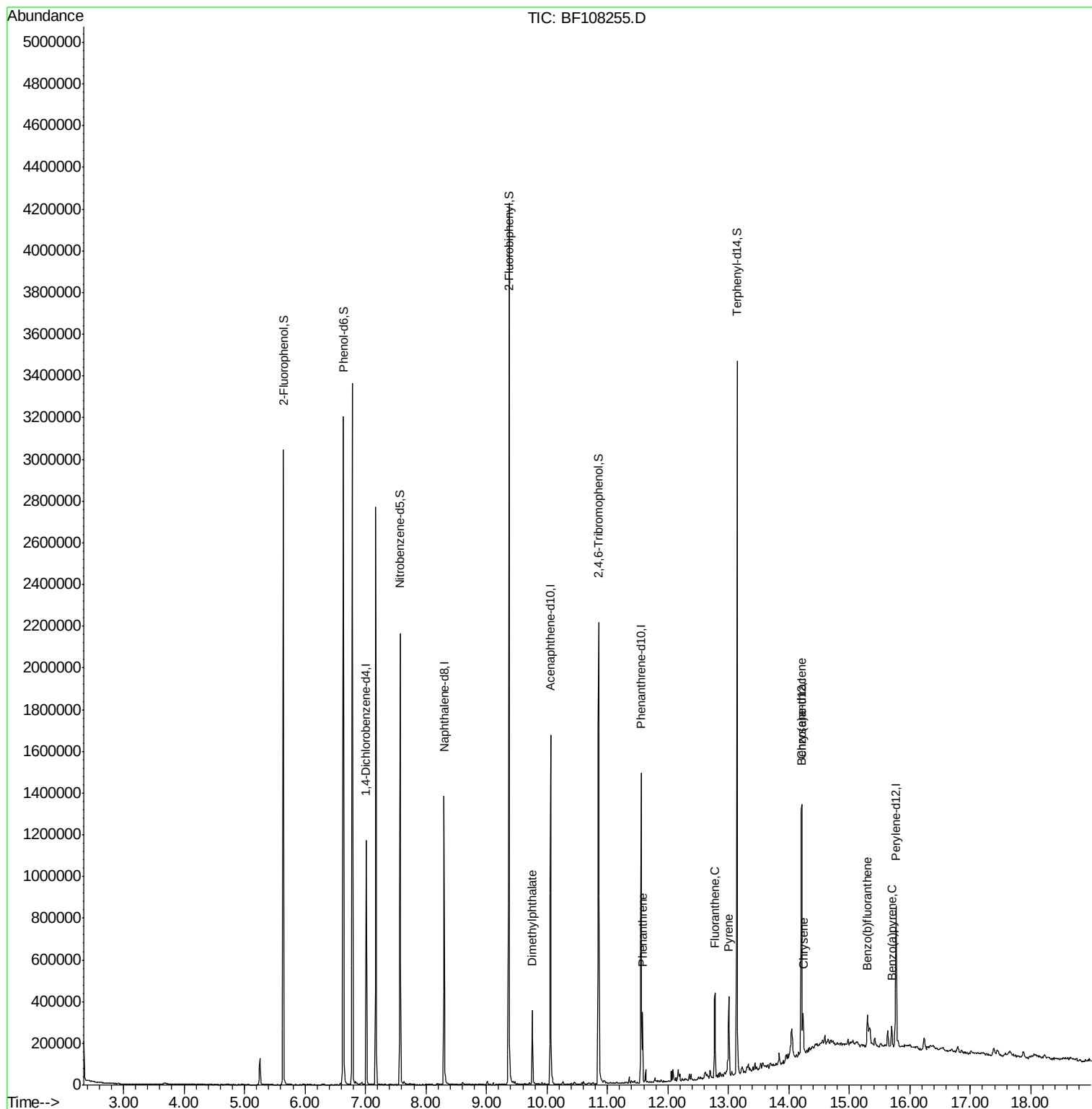
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108255.D
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Operator : JU/SJ
Sample : J4496-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

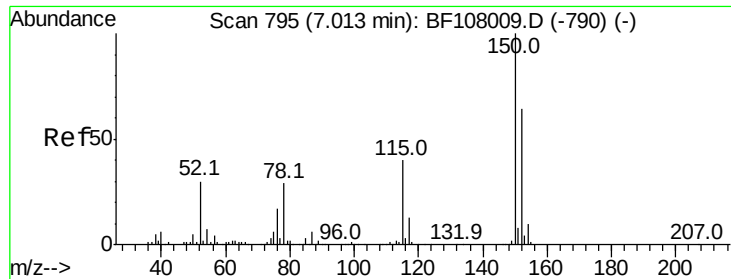
Instrument :
BNA_F
ClientSampleId :
CARLSTADT-TOP-SOIL

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#1

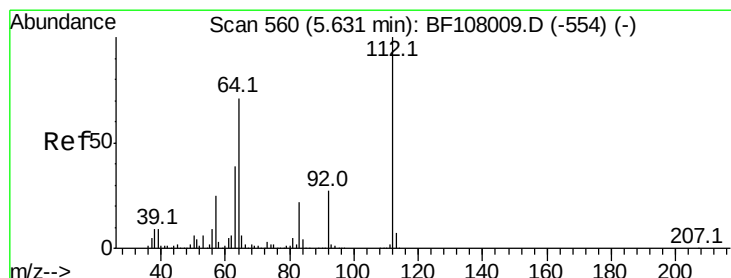
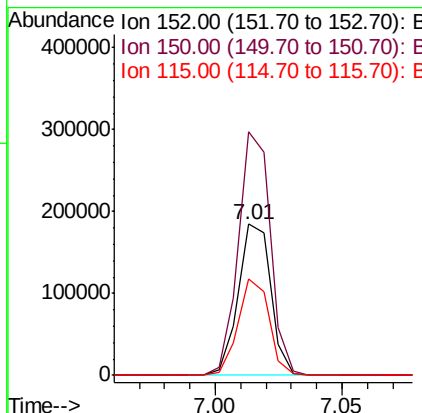
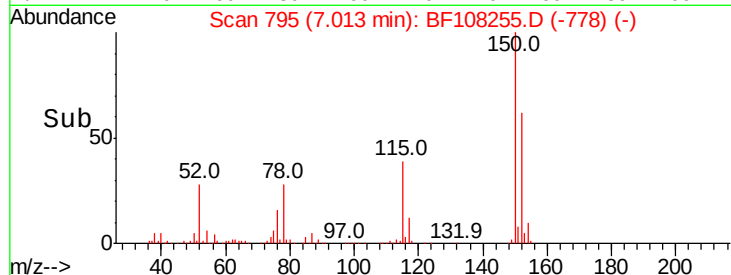
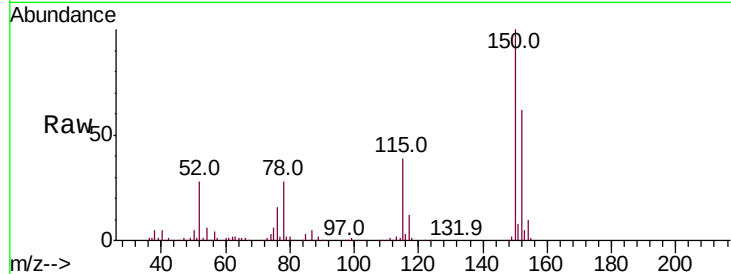
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-TOP-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	124.6	186.8
115	63.5	50.1	75.1

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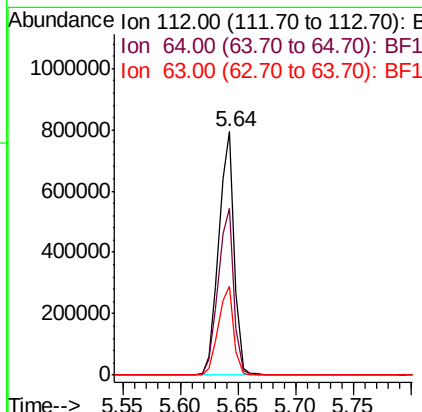
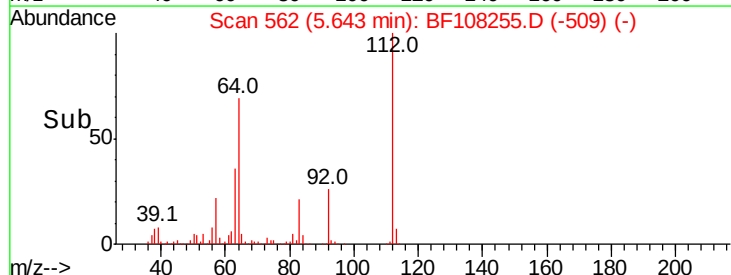
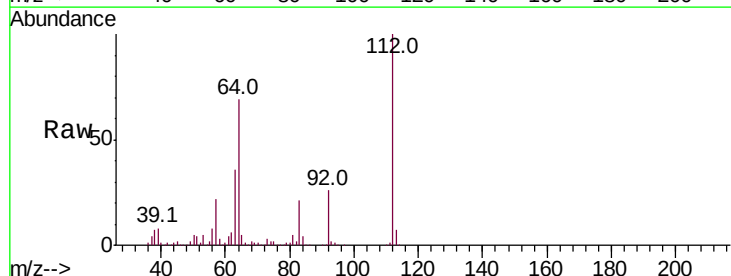
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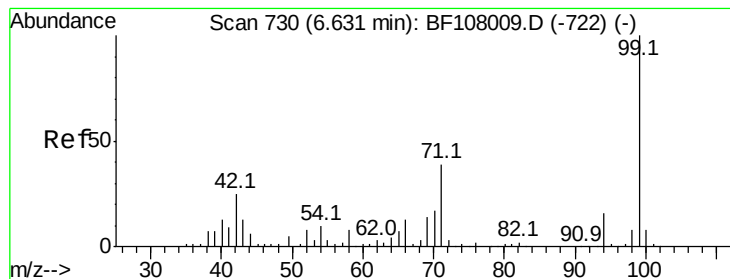


#5

2-Fluorophenol
Concen: 81.875 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	47.9	71.9
63	36.5	23.7	35.5#





#7

Phenol-d6

Concen: 83.268 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-TOP-SOIL

Tot Ion: 99 Resp: 1003707

Ion Ratio Lower Upper

99 100

42 22.5 14.5 21.7#

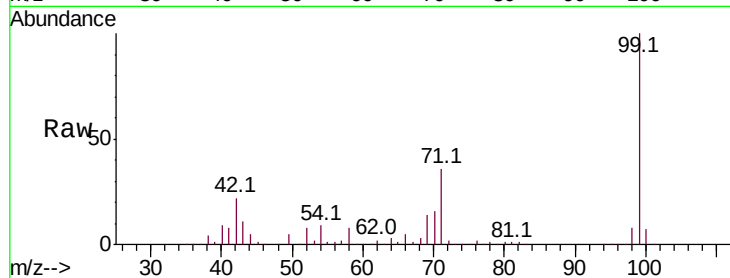
71 35.9 25.4 38.0

Manual Integrations

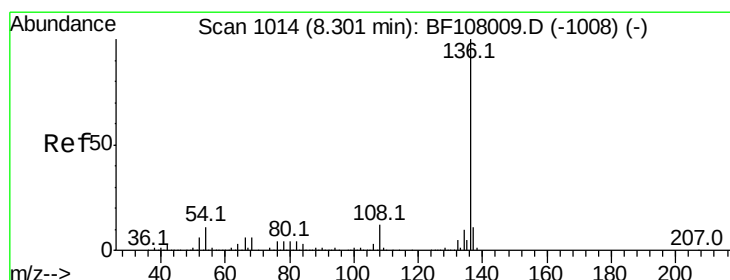
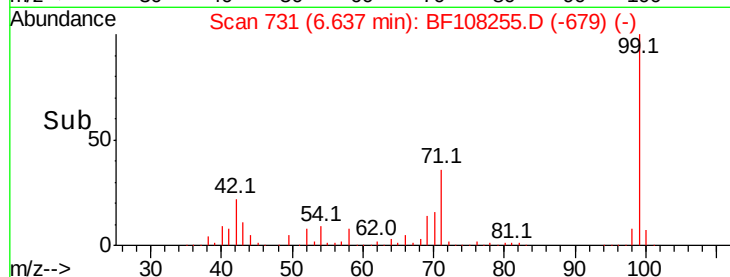
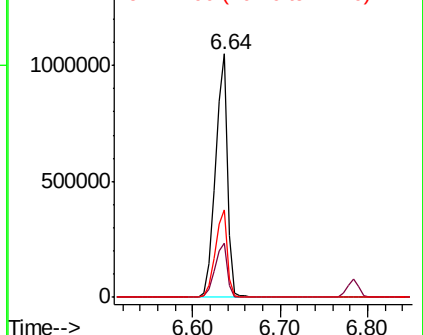
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

Tgt Ion: 136 Resp: 639548

Ion Ratio Lower Upper

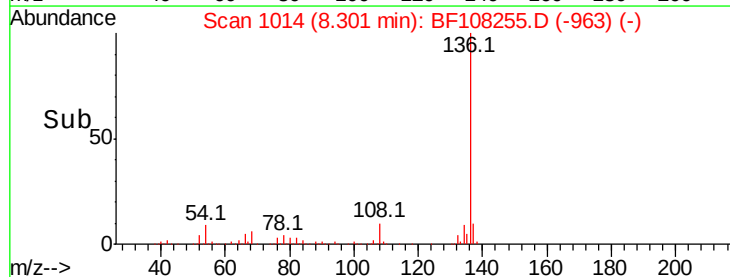
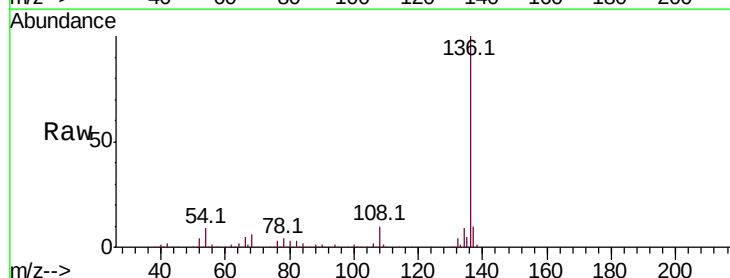
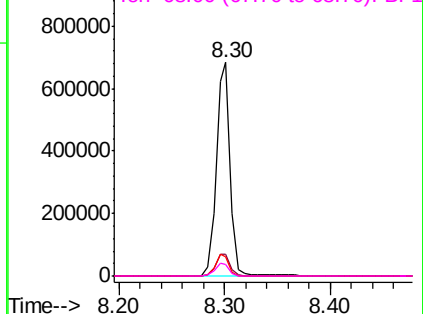
136 100

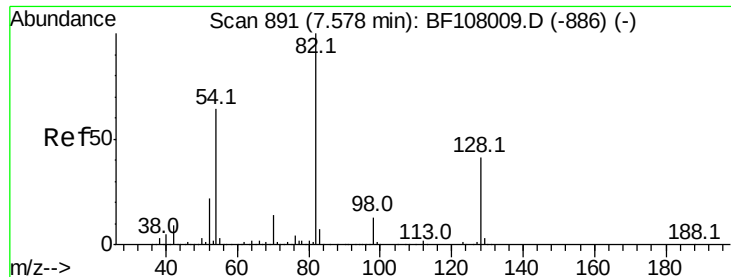
137 10.5 8.9 13.3

54 8.9 6.6 9.8

68 5.6 5.0 7.4

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





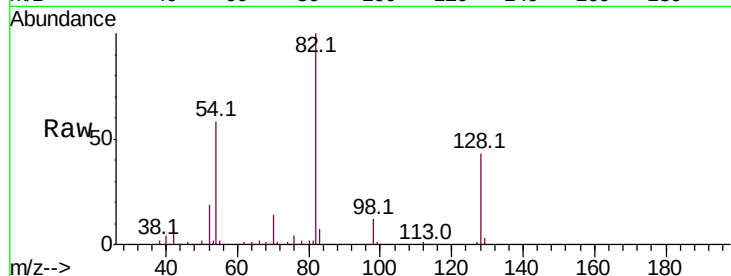
#23
Nitrobenzene-d5
Concen: 57.744 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-TOP-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	661810		
128	42.8	36.1	54.1	
54	58.4	41.4	62.2	

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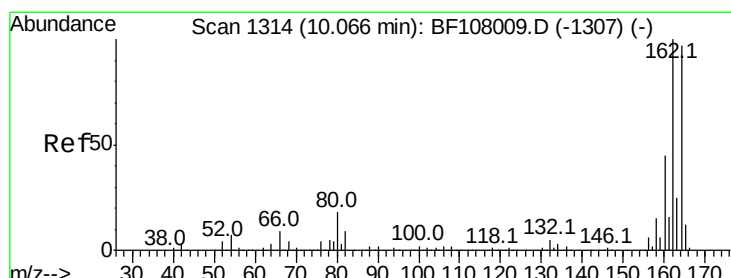
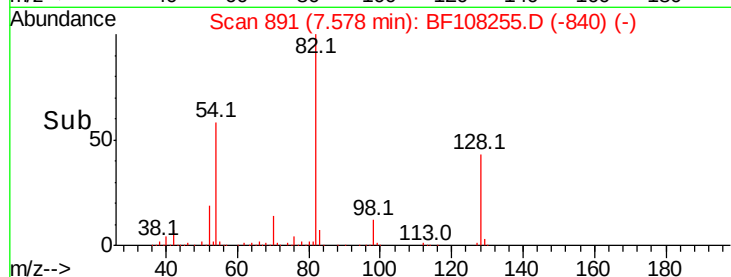
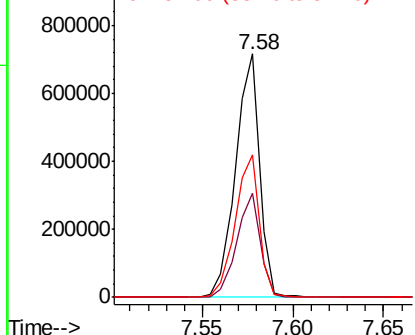


Abundance

Ion 82.00 (81.70 to 82.70): BF1

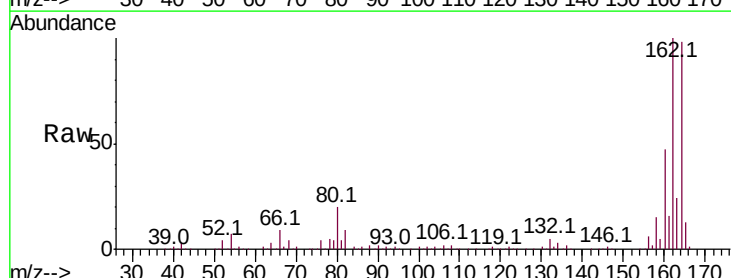
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	313723		
162	102.0	86.1	129.1	
160	47.6	38.3	57.5	

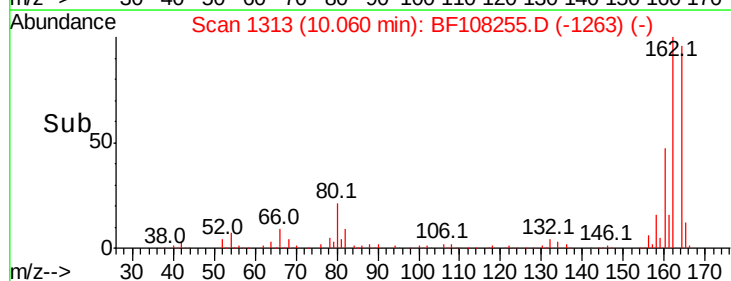
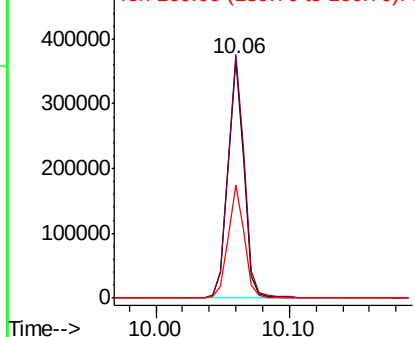


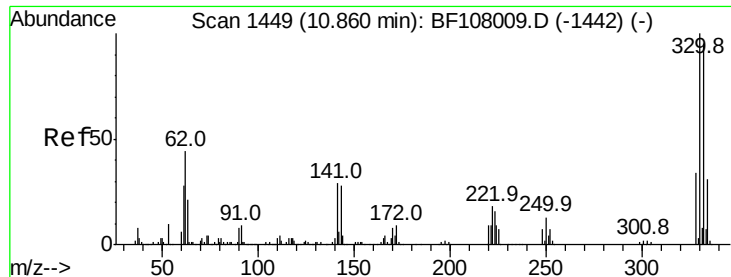
Abundance

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: 84.537 ng

RT: 10.85 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

Instrument :

BNA_F

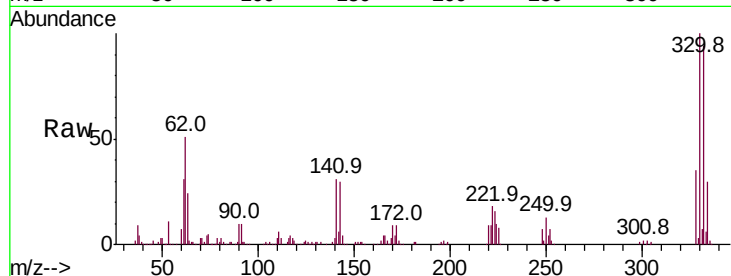
ClientSampleId :

CARLSTADT-TOP-SOIL

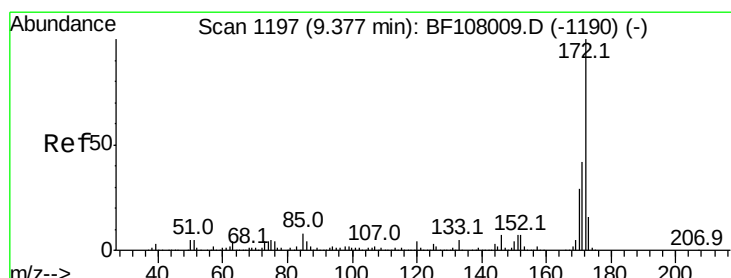
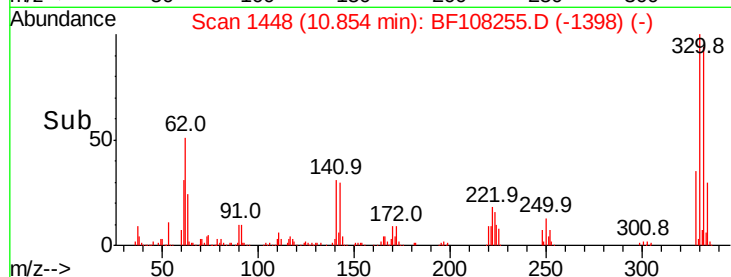
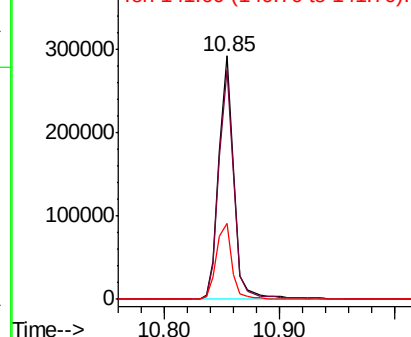
Tot Ion:	330	Resp:	264542
Ion Ratio	Lower	Upper	
330	100		
332	95.3	77.0	115.6
141	32.8	29.9	44.9

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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: 63.789 ng

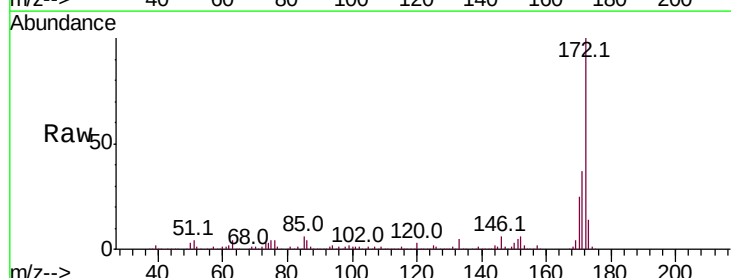
RT: 9.37 min Scan# 1196

Delta R.T. -0.01 min

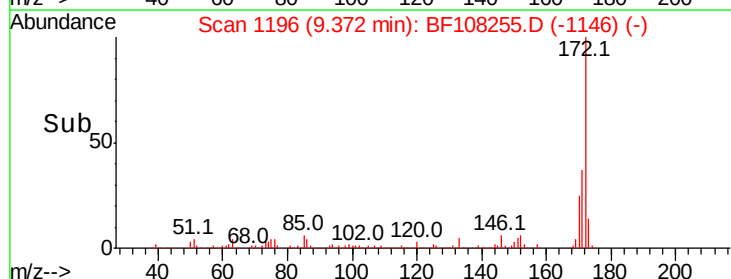
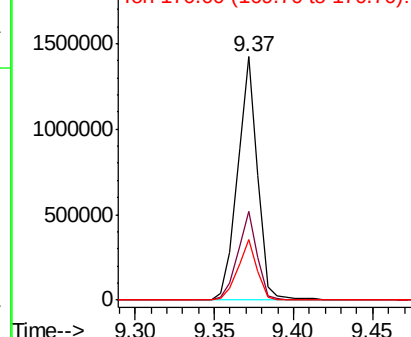
Lab File: BF108255.D

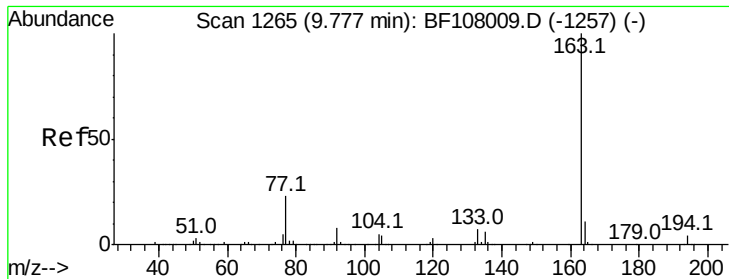
Acq: 17 Aug 2018 20:47

Tgt Ion:	172	Resp:	1246500
Ion Ratio	Lower	Upper	
172	100		
171	36.7	29.7	44.5
170	25.0	19.6	29.4



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





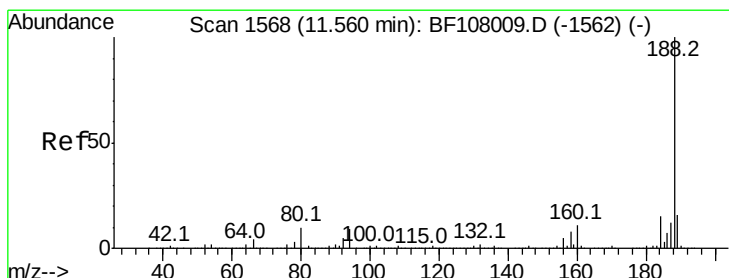
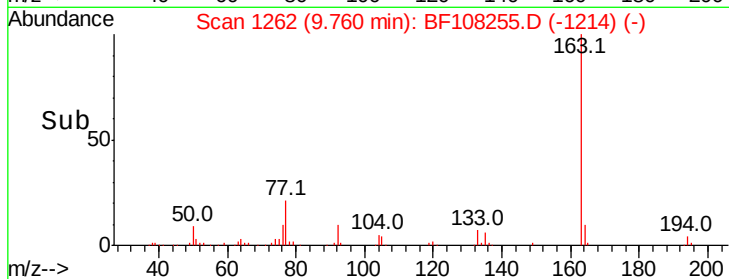
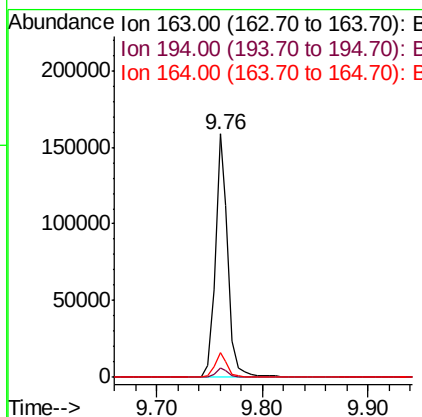
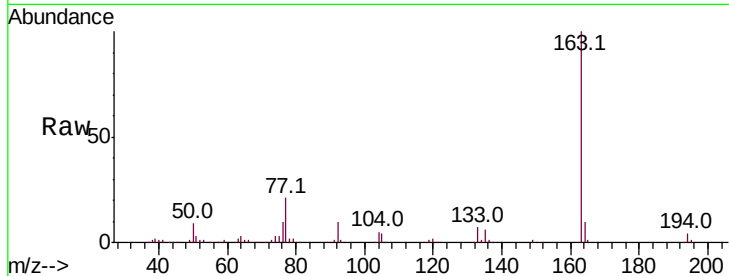
#49
 Dimethylphthalate
 Concen: 6.143 ng
 RT: 9.76 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: BF108255.D
 Acq: 17 Aug 2018 20:47

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT-TOP-SOIL

Tot Ion:	163	Resp:	134245
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.7	4.1
164	10.3	8.2	12.2

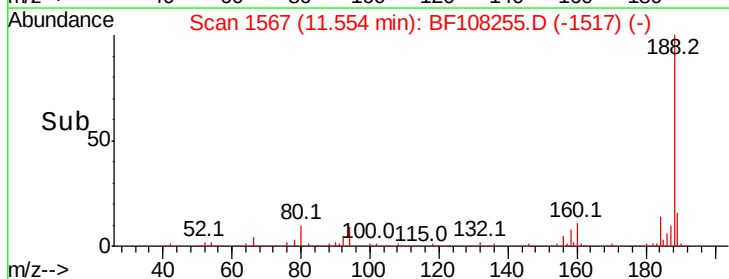
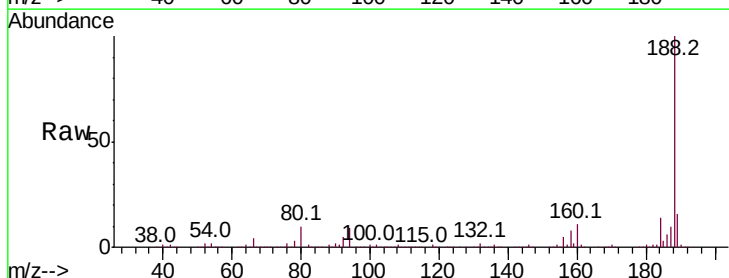
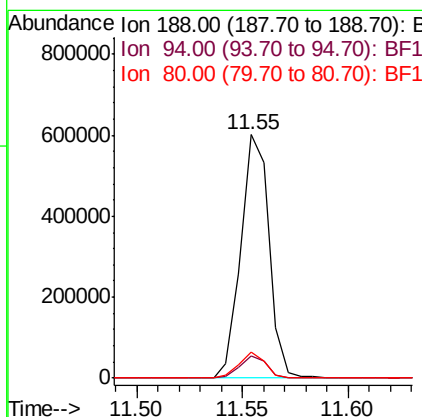
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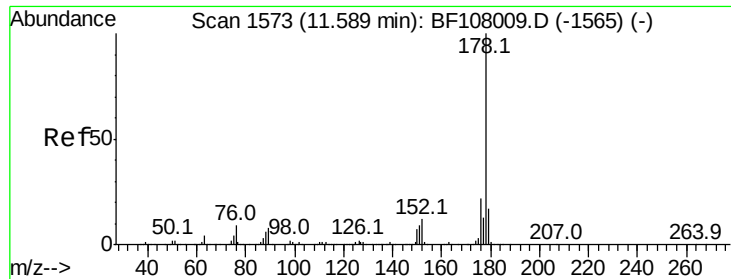
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108255.D
 Acq: 17 Aug 2018 20:47

Tgt Ion:	188	Resp:	556990
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.5	12.7
80	10.4	9.2	13.8





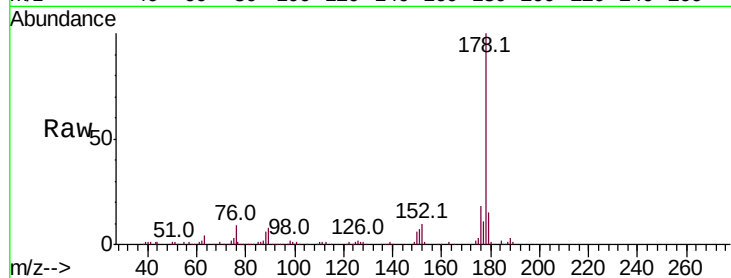
#70
Phenanthrene
Concen: 4.514 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

Instrument :
BNA_F
ClientSampleId :
CARLSTADT-TOP-SOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	15.0	13.0	19.6

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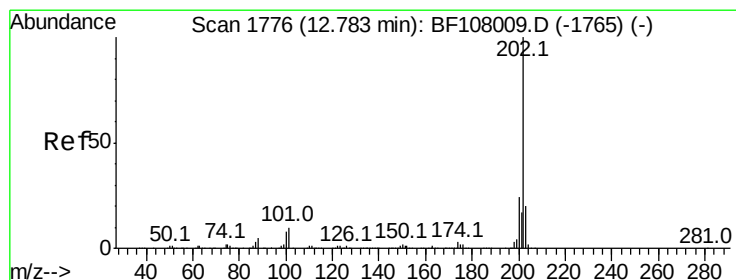
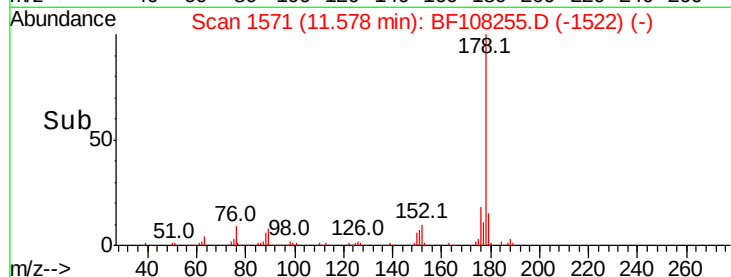
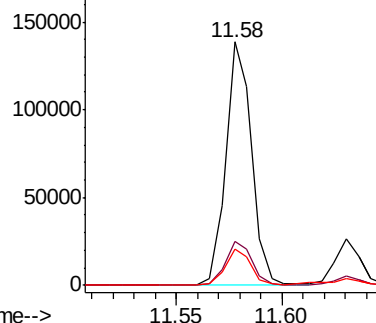


Abundance

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: 5.787 ng
RT: 12.78 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF108255.D
Acq: 17 Aug 2018 20:47

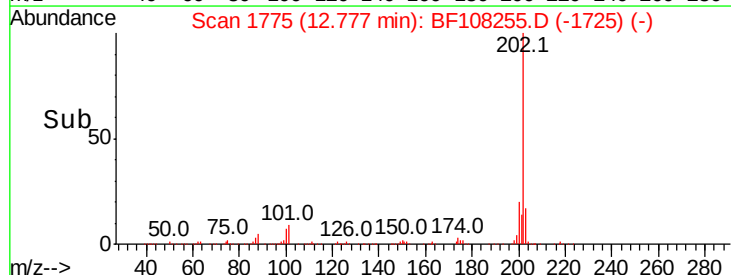
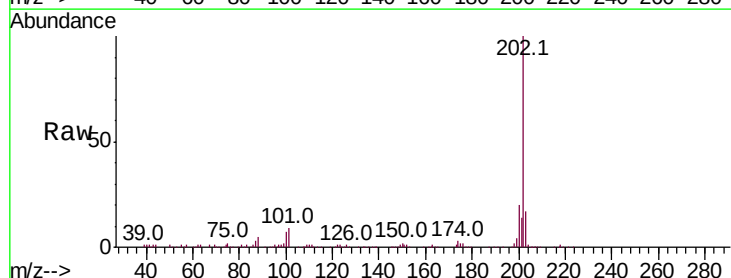
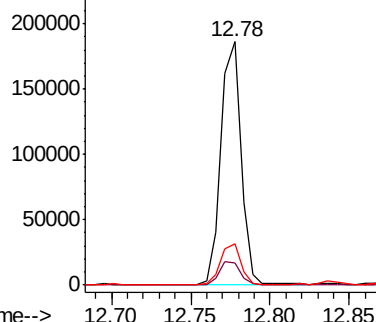
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	34.1
203	16.8	0.0	38.1

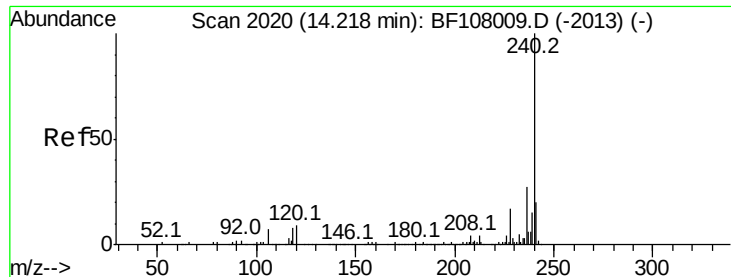
Abundance

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: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

Instrument :

BNA_F

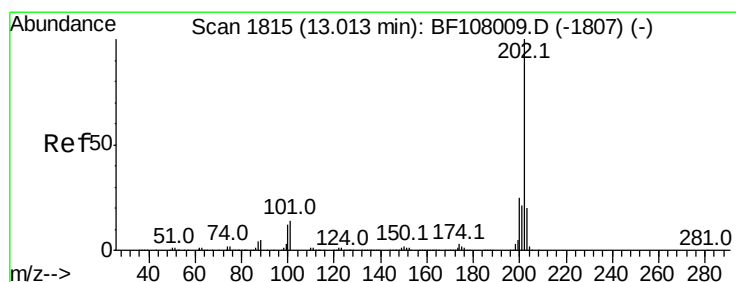
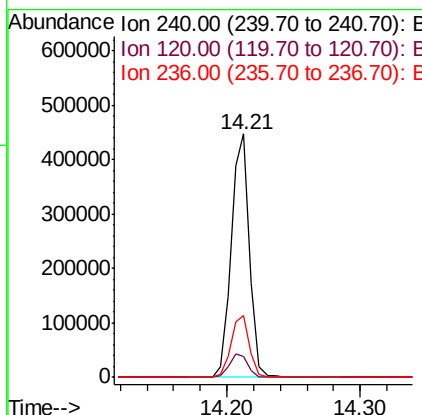
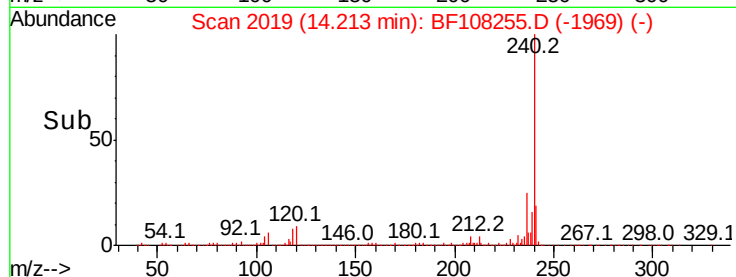
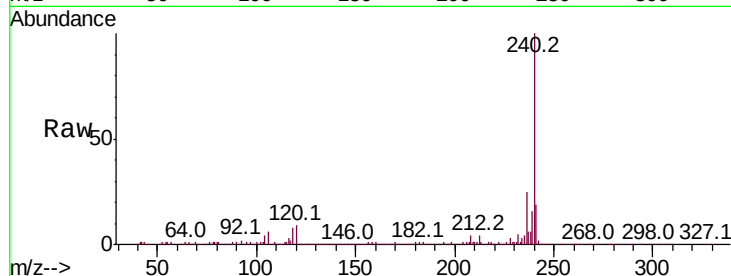
ClientSampleId :

CARLSTADT-TOP-SOIL

Tot Ion:	240	Resp:	427466
Ion Ratio	Lower	Upper	
240	100		
120	8.6	9.5	14.3#
236	25.4	20.7	31.1

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#77

Pyrene

Concen: 5.474 ng

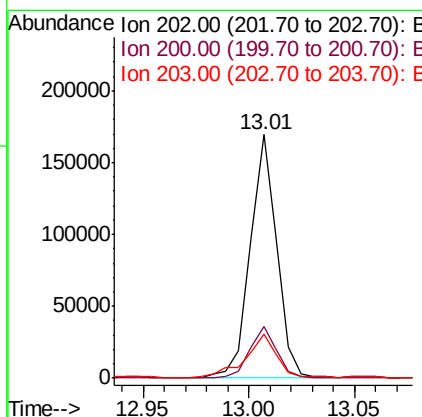
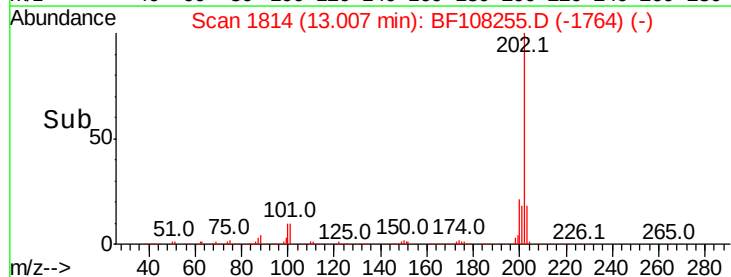
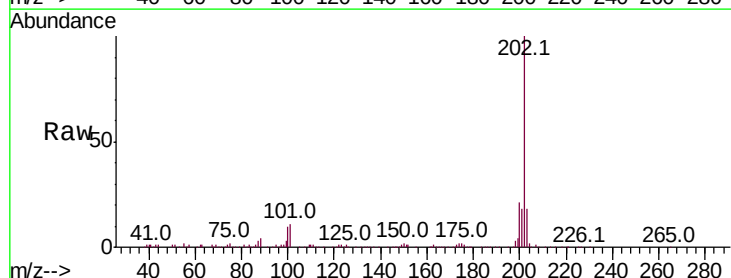
RT: 13.01 min Scan# 1814

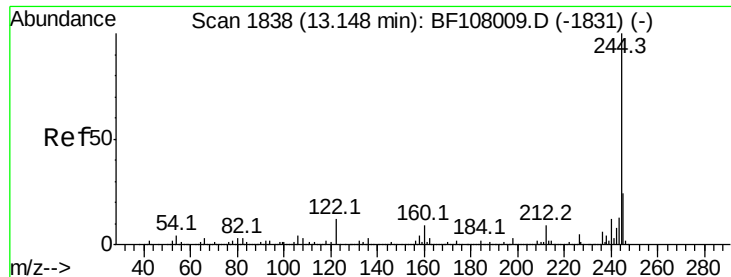
Delta R.T. -0.01 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

Tgt Ion:	202	Resp:	148147
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 64.980 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

Instrument :

BNA_F

ClientSampleId :

CARLSTADT-TOP-SOIL

Tot Ion:244 Resp: 1092472

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

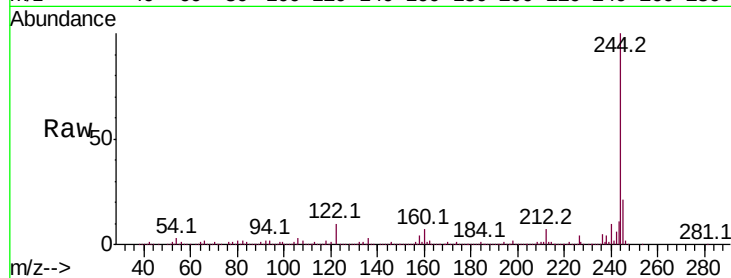
122 9.9 11.0 16.4#

Manual Integrations

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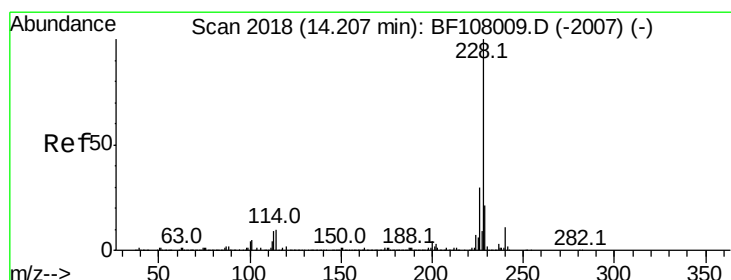
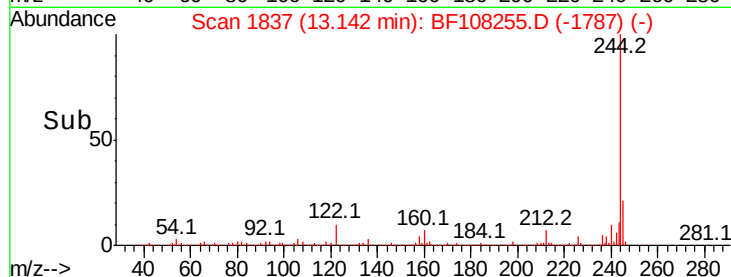
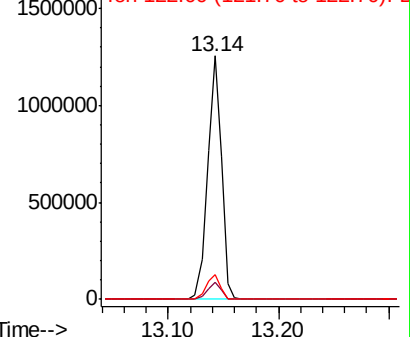
8/20/2018 12:48:32 PM



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: 3.177 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

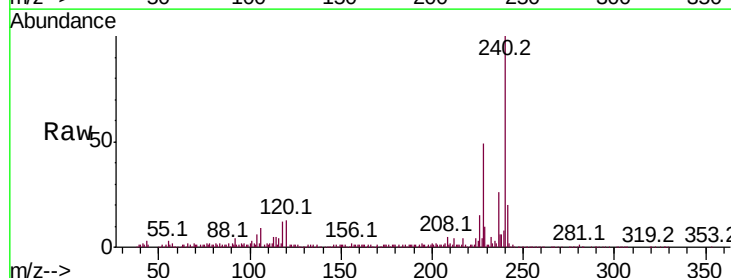
Tgt Ion:228 Resp: 77936

Ion Ratio Lower Upper

228 100

226 30.0 22.6 33.8

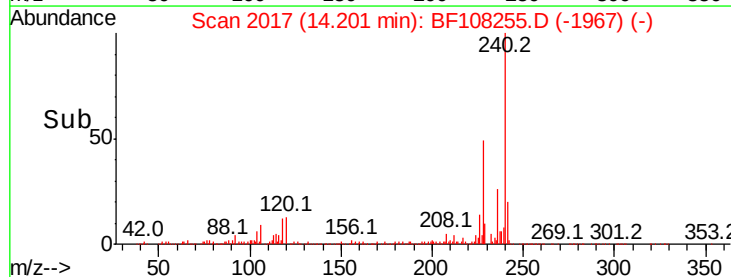
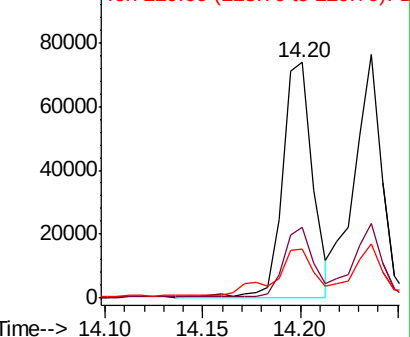
229 20.6 15.8 23.6

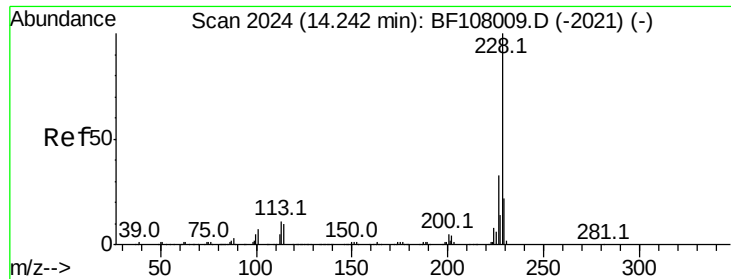


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.323 ng

RT: 14.24 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

Instrument :

BNA_F

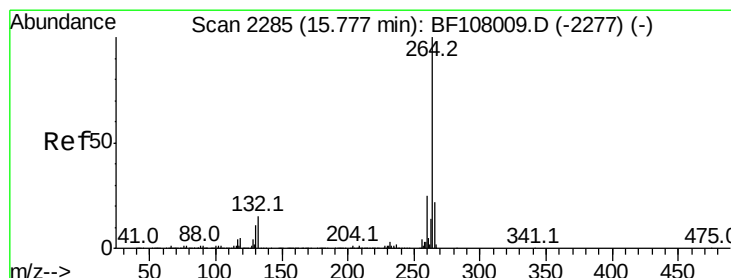
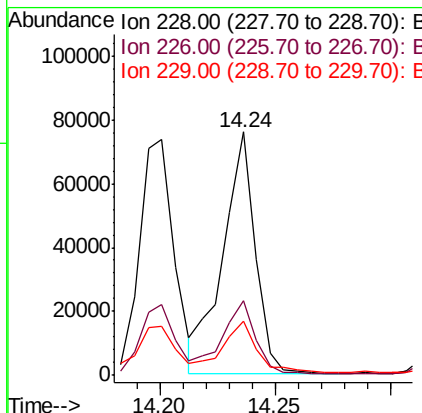
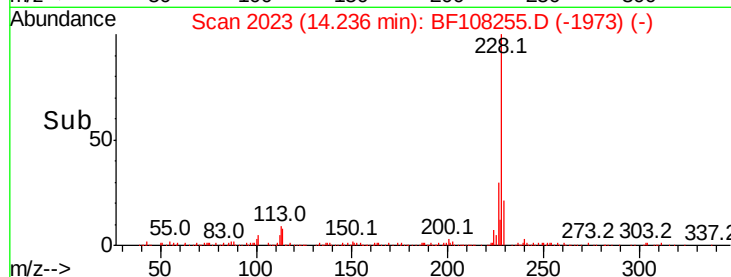
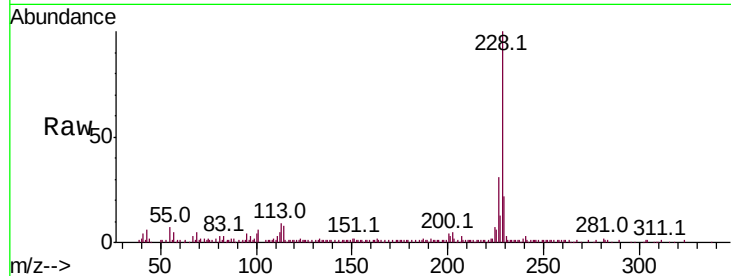
ClientSampleId :

CARLSTADT-TOP-SOIL

Tot Ion:	228	Resp:	74728
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	22.4	16.2	24.4

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

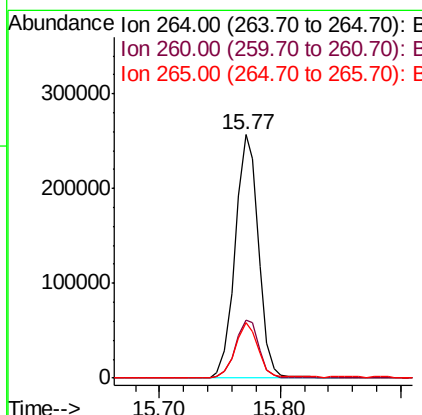
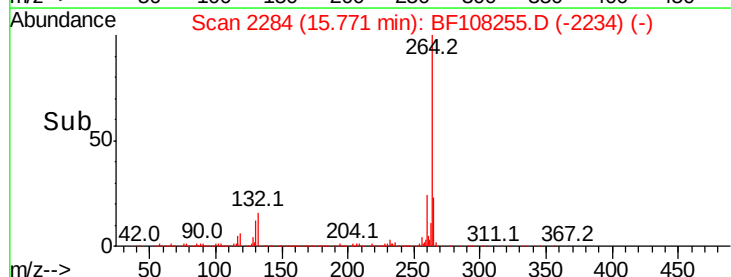
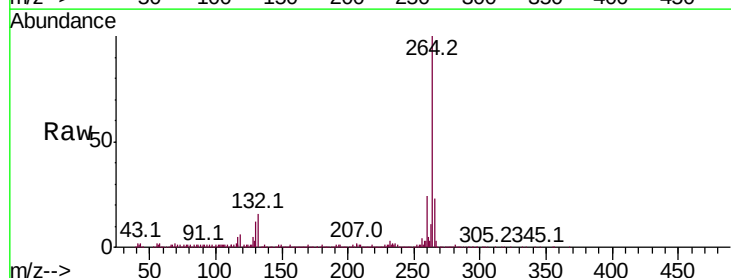
RT: 15.77 min Scan# 2284

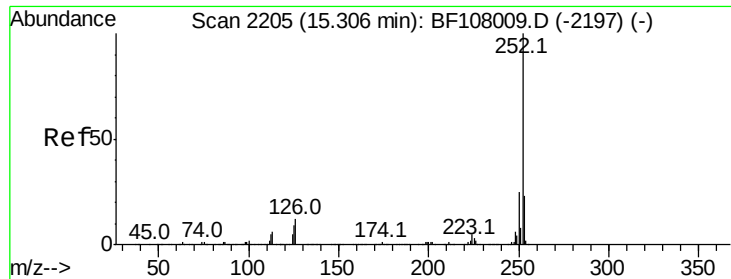
Delta R.T. -0.01 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

Tgt Ion:	264	Resp:	347529
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	23.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 4.077 ng

RT: 15.30 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

Instrument :

BNA_F

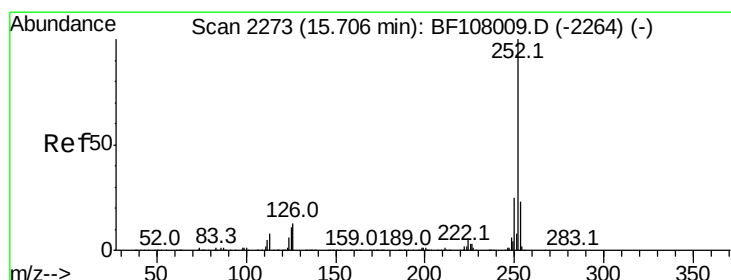
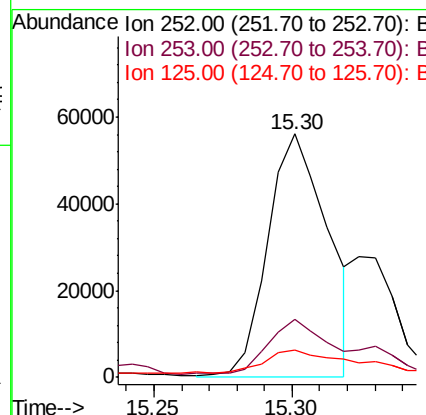
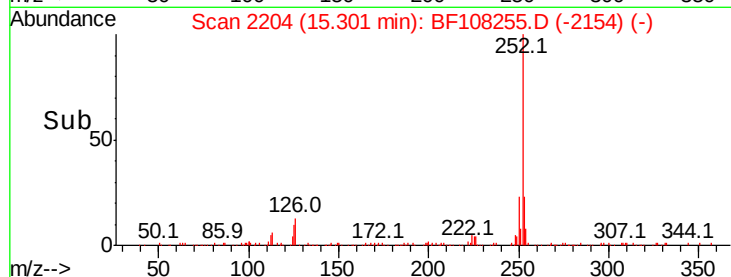
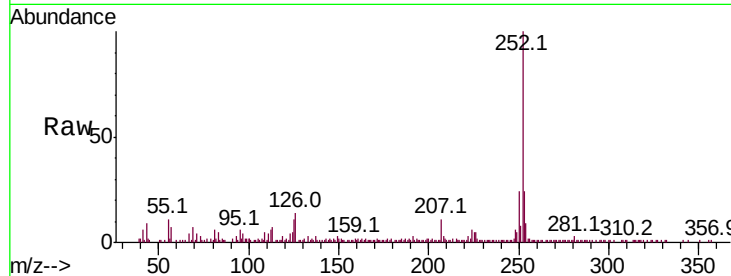
ClientSampleId :

CARLSTADT-TOP-SOIL

Tot Ion:	252	Resp:	84670
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.0	25.6
125	11.4	9.0	13.6

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 2.829 ng

RT: 15.70 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF108255.D

Acq: 17 Aug 2018 20:47

Tgt Ion:	252	Resp:	52615
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.1	25.7
125	11.3	9.8	14.6

