

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031219\
 Data File : BF113003.D
 Acq On : 12 Mar 2019 15:22
 Operator : JU/SJ
 Sample : K1843-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GATE-SOIL-BOX

Manual Integrations
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Sohil
 3/13/2019 11:40:32 AM

Quant Time: Mar 13 04:14:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	208655	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	774182	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	363948	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	649978	20.00	ng	0.00
76) Chrysene-d12	13.87	240	458733	20.00	ng	0.00
87) Perylene-d12	15.27	264	547598	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1392727	103.83	ng	0.00
7) Phenol-d6	6.37	99	1834841	108.89	ng	0.00
23) Nitrobenzene-d5	7.29	82	1133390	87.60	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	507426	131.33	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1833625	82.94	ng	0.00
79) Terphenyl-d14	12.82	244	1445043	61.06	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.48	163	210259	7.835	ng	99
52) Acenaphthene	9.79	154	97787	4.249	ng	98
58) Fluorene	10.30	166	91784	3.867	ng	96
71) Phenanthrene	11.26	178	1335465	41.296	ng	99
72) Anthracene	11.32	178	335943	9.924	ng	98
75) Fluoranthene	12.45	202	1336091	38.563	ng	96
78) Pyrene	12.67	202	1505390	38.927	ng	99
81) Benzo(a)anthracene	13.86	228	633508	19.926	ng	99
83) Chrysene	13.89	228	603169	19.368	ng	98
86) Indeno(1,2,3-cd)pyrene	16.63	276	355052m	13.373	ng	
88) Benzo(b)fluoranthene	14.87	252	744629m	21.023	ng	
89) Benzo(k)fluoranthene	14.90	252	194811m	6.072	ng	
90) Benzo(a)pyrene	15.22	252	591977	18.895	ng	98
91) Dibenzo(a,h)anthracene	16.64	278	90757	3.395	ng	98
92) Benzo(a,h,i)perylene	17.03	276	347148	12.932	ng	97

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

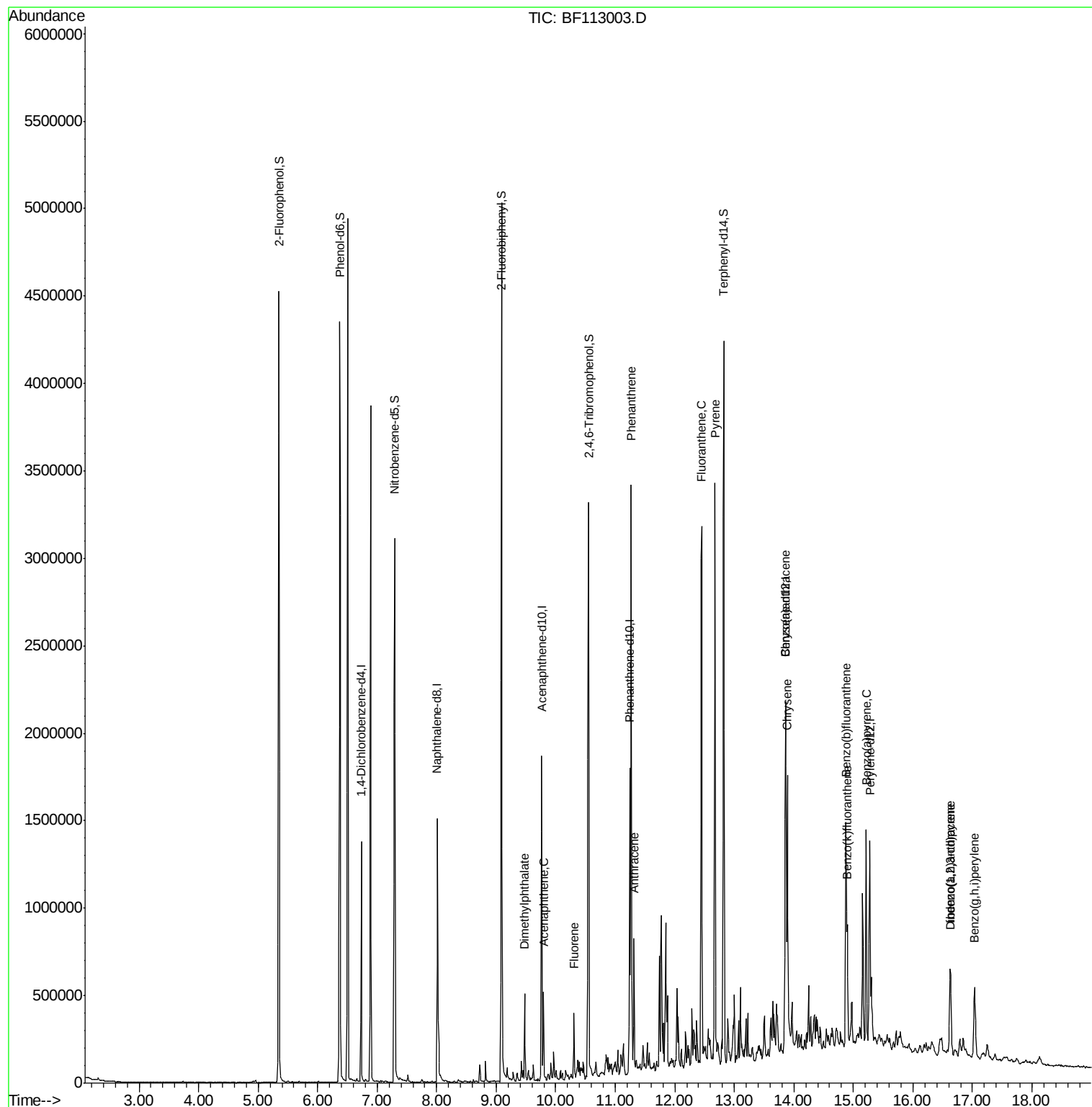
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031219\
Data File : BF113003.D
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ALS Vial : 6 Sample Multiplier: 1

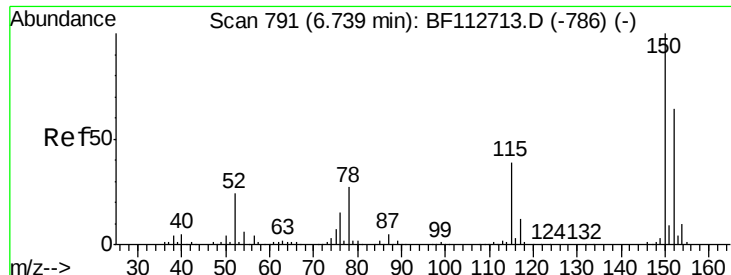
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#1

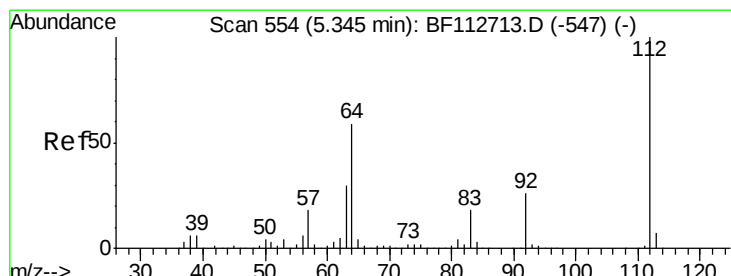
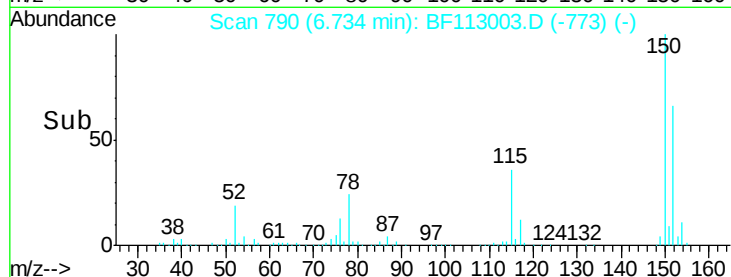
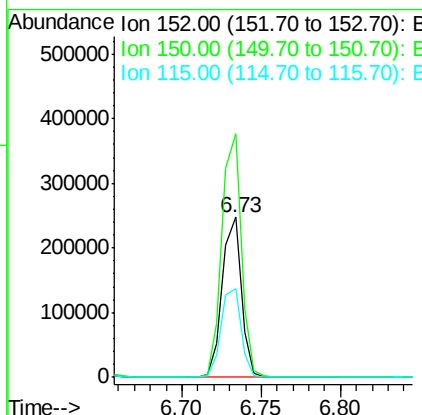
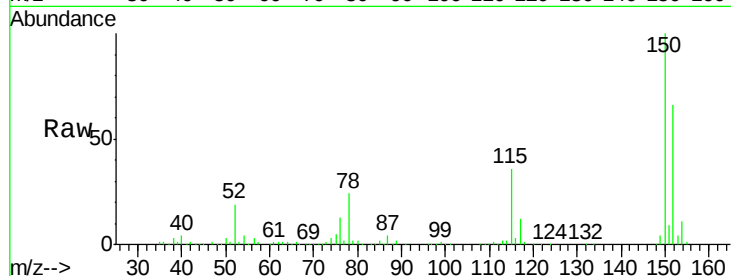
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF113003.D
Acq: 12 Mar 2019 15:22

Instrument :
BNA_F
ClientSampleId :
GATE-SOIL-BOX

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
150	152.3	124.2	186.2	
115	55.2	48.2	72.4	

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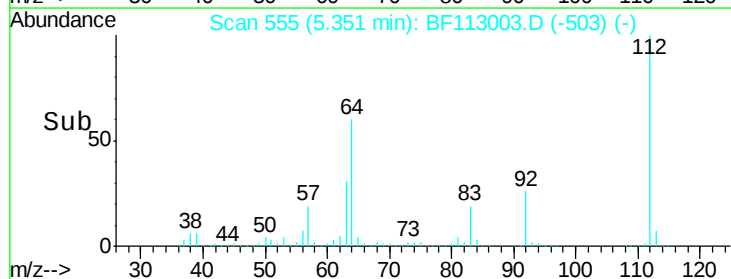
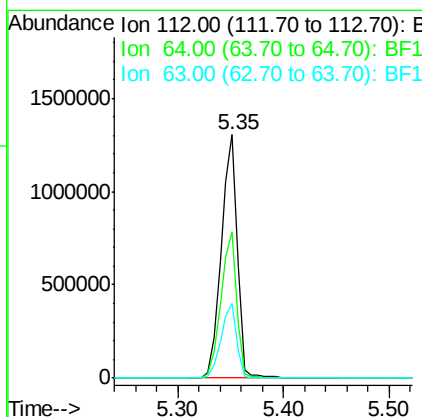
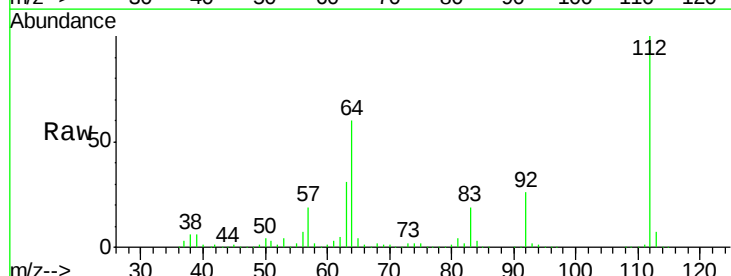
Sohil
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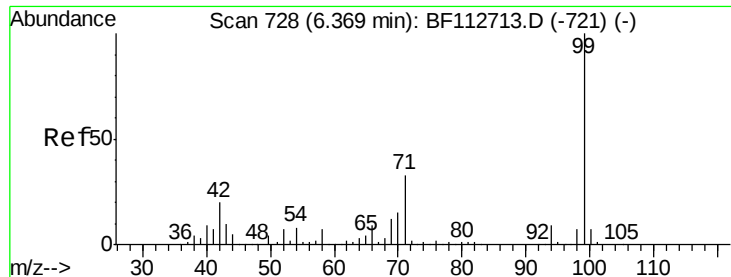


#5

2-Fluorophenol
Concen: 103.829 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF113003.D
Acq: 12 Mar 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
64	59.8	47.6	71.4	
63	30.6	24.4	36.6	





#7

Phenol-d6

Concen: 108.894 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF113003.D

Acq: 12 Mar 2019 15:22

Instrument :

BNA_F

ClientSampleId :

GATE-SOIL-BOX

Tot Ion: 99 Resp: 1834841

Ion Ratio Lower Upper

99 100

42 18.7 16.3 24.5

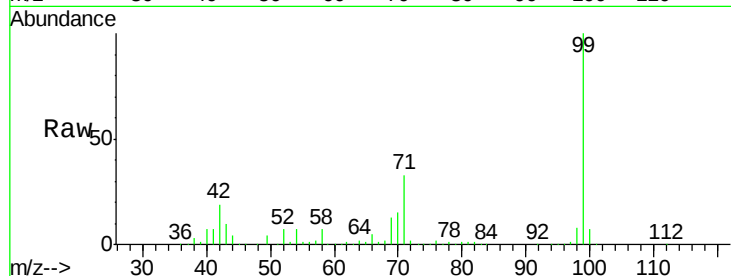
71 33.3 26.2 39.4

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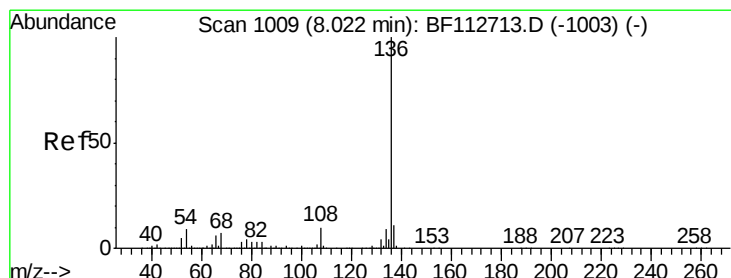
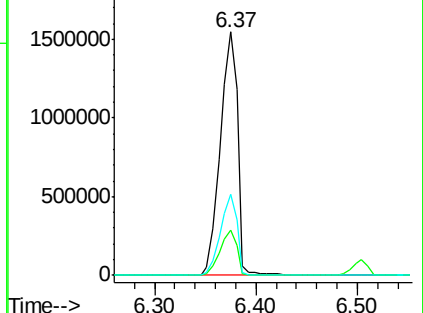
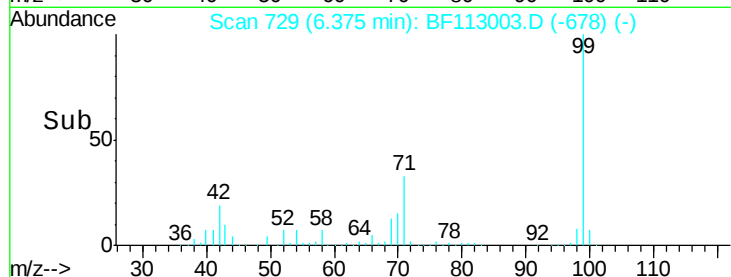
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF113003.D

Acq: 12 Mar 2019 15:22

Tgt Ion: 136 Resp: 774182

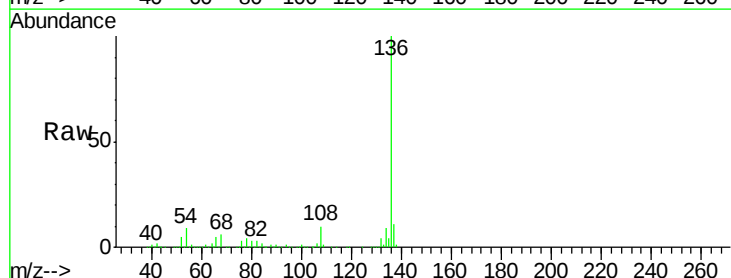
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 8.6 7.3 10.9

68 6.3 5.4 8.2

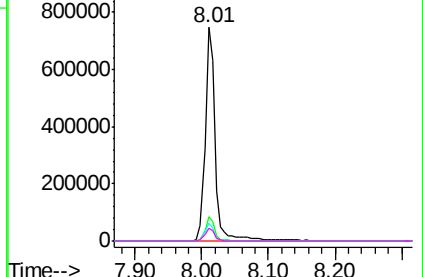
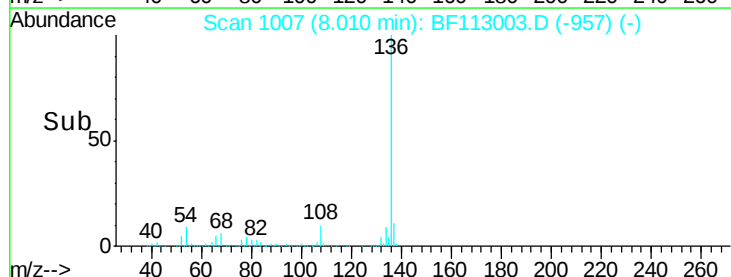


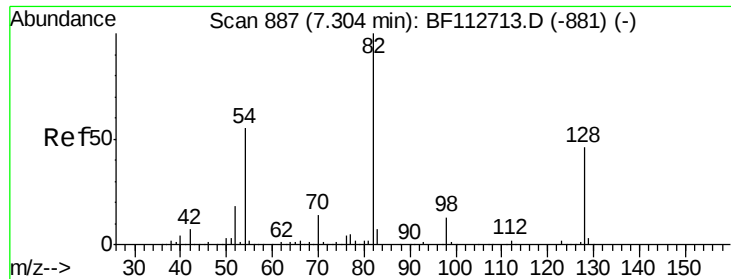
Abundance Ion 136.00 (135.70 to 136.70): E

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





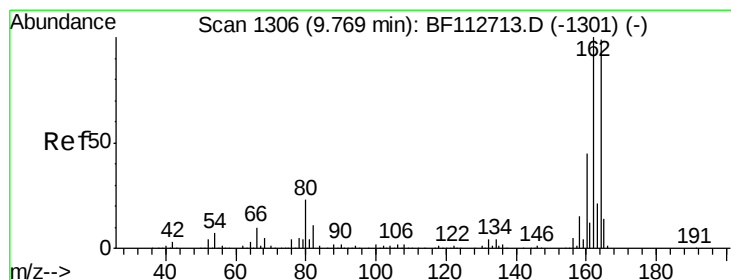
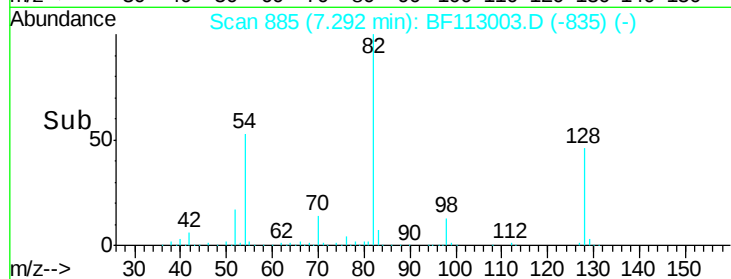
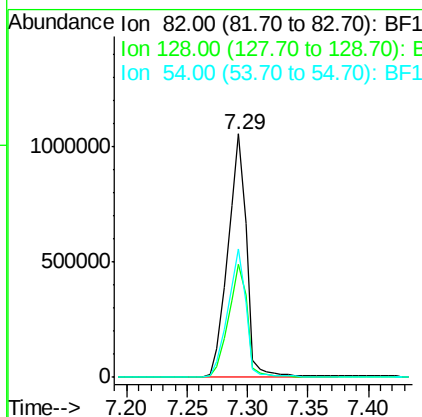
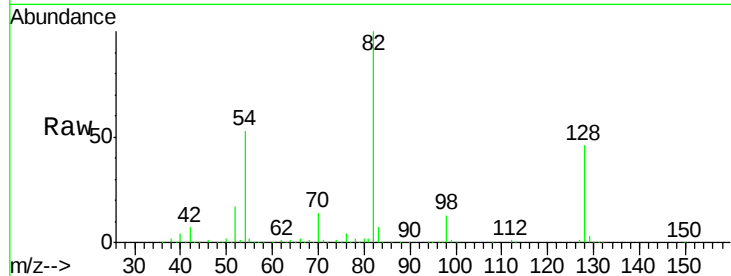
#23
Nitrobenzene-d5
Concen: 87.602 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF113003.D
Acq: 12 Mar 2019 15:22

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	82	Resp	1133390
Ion Ratio	Lower	Upper	
82	100		
128	46.3	36.3	54.5
54	52.6	43.7	65.5

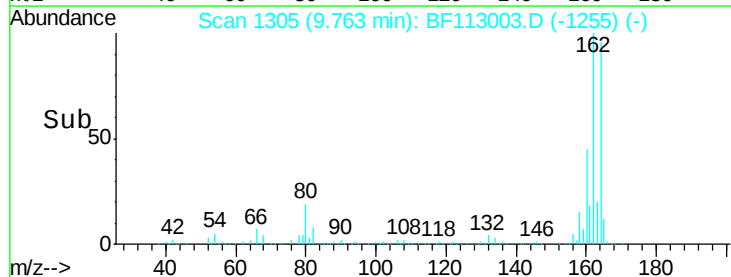
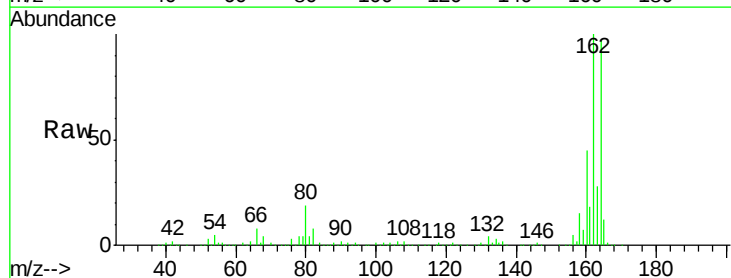
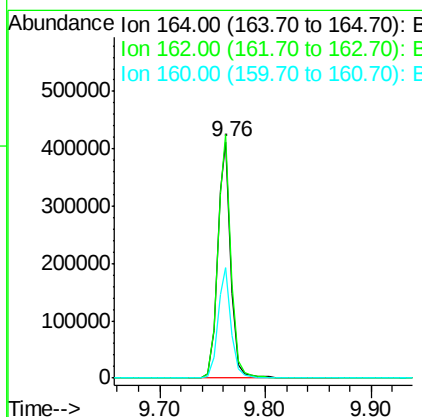
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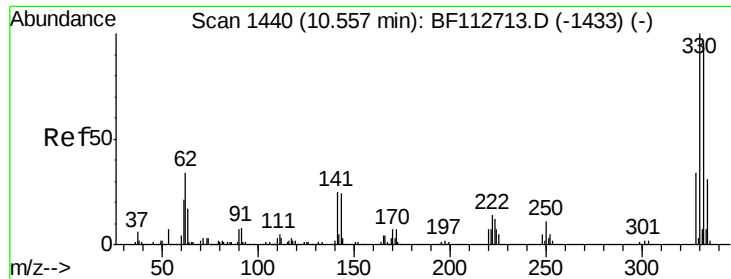
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF113003.D
Acq: 12 Mar 2019 15:22

Tgt Ion	164	Resp	363948
Ion Ratio	Lower	Upper	
164	100		
162	103.0	80.6	120.8
160	46.7	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 131.329 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF113003.D

Acq: 12 Mar 2019 15:22

Instrument :

BNA_F

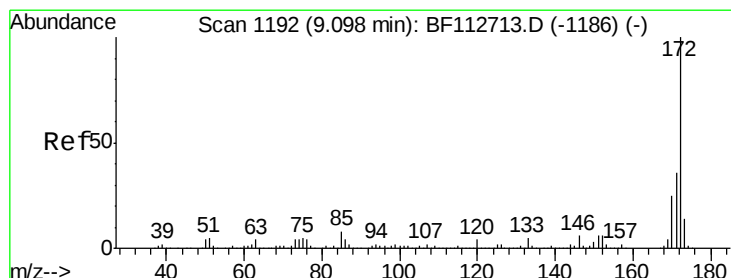
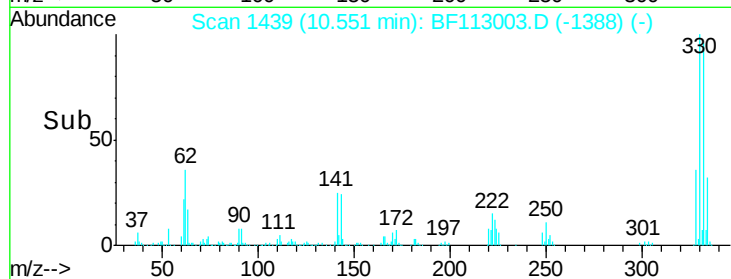
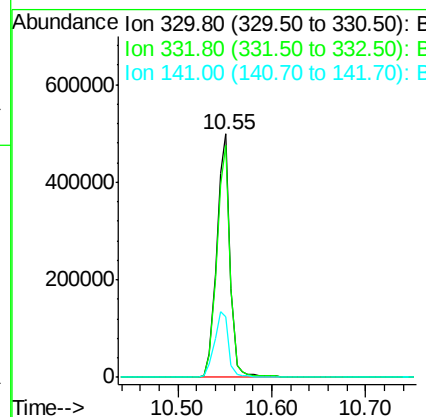
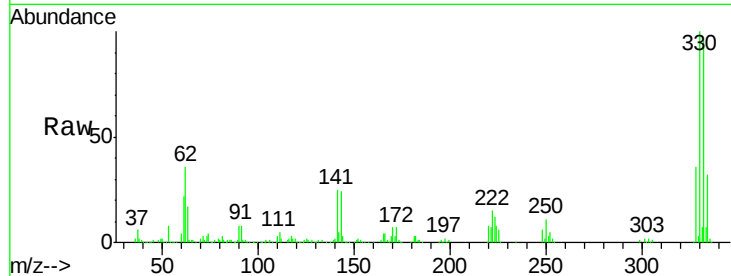
ClientSampleId :

GATE-SOIL-BOX

Tot Ion:	330	Resp:	507426
Ion Ratio	Lower	Upper	
330	100		
332	95.7	76.2	114.4
141	28.9	27.0	40.6

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#45

2-Fluorobiphenyl

Concen: 82.940 ng

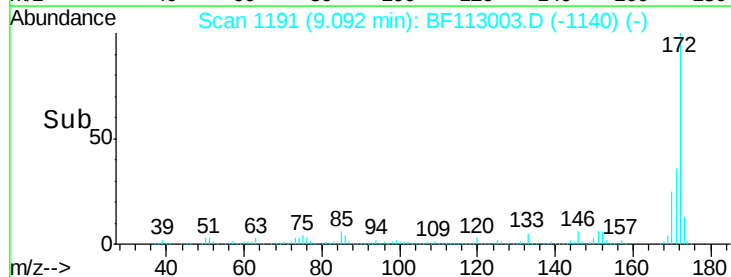
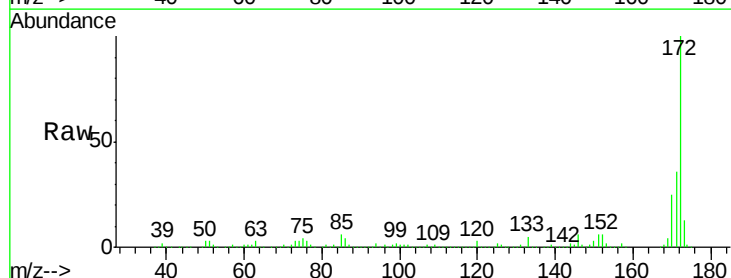
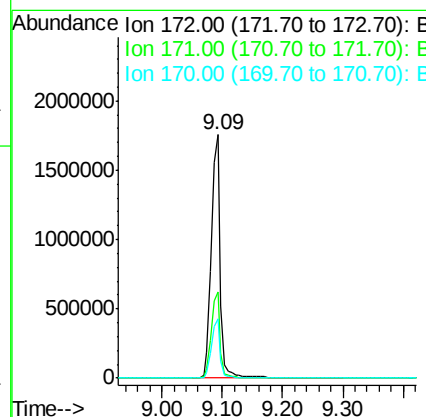
RT: 9.09 min Scan# 1191

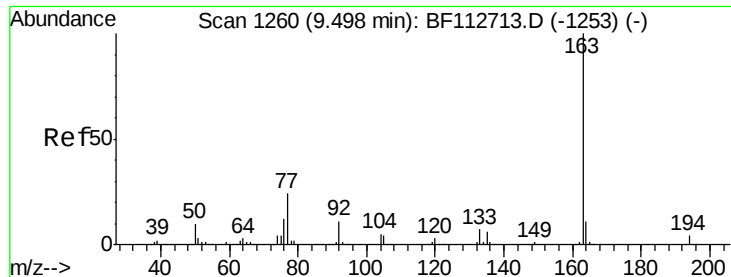
Delta R.T. -0.00 min

Lab File: BF113003.D

Acq: 12 Mar 2019 15:22

Tgt Ion:	172	Resp:	1833625
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.0	43.4
170	24.6	20.0	30.0





#50

Dimethylphthalate

Concen: 7.835 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF113003.D

Acq: 12 Mar 2019 15:22

Instrument :

BNA_F

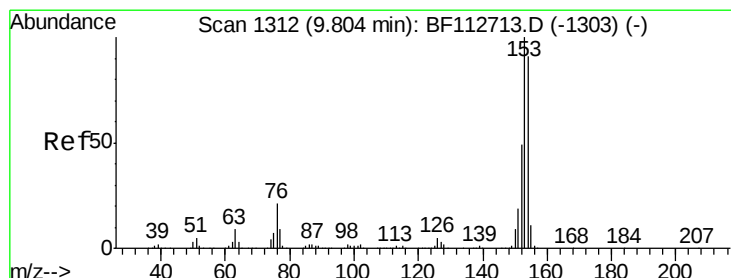
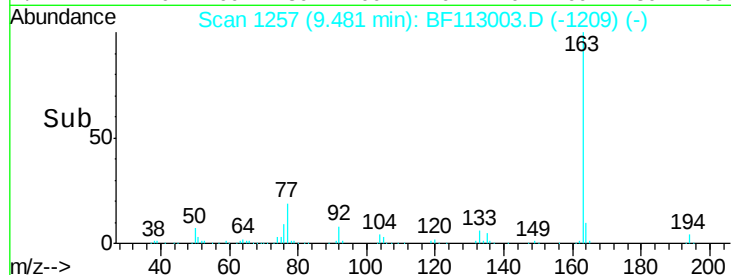
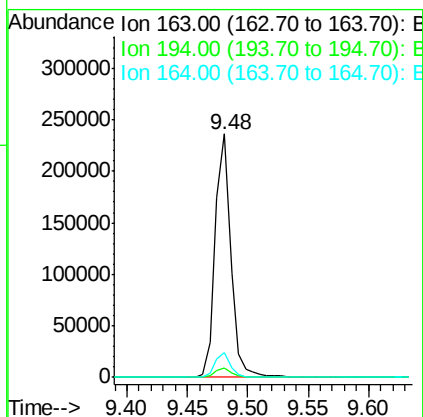
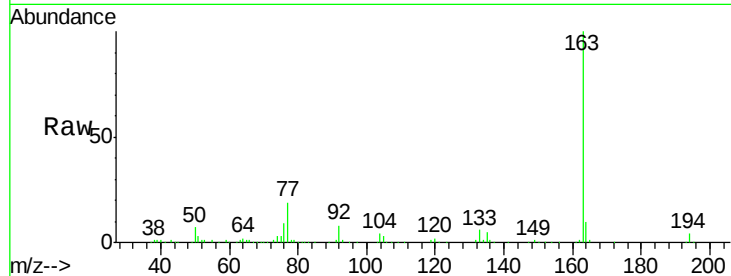
ClientSampleId :

GATE-SOIL-BOX

Tot Ion:	163	Resp:	210259
Ion Ratio		Lower	Upper
163	100		
194	3.7	3.0	4.4
164	9.9	8.4	12.6

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#52

Acenaphthene

Concen: 4.249 ng

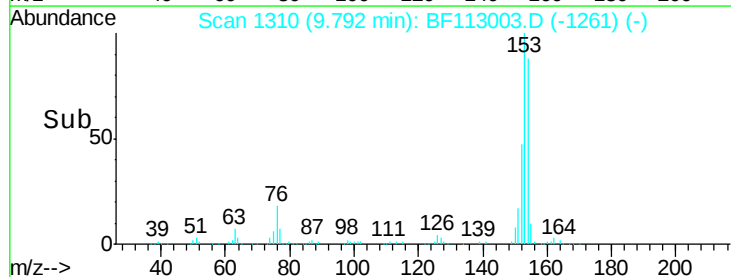
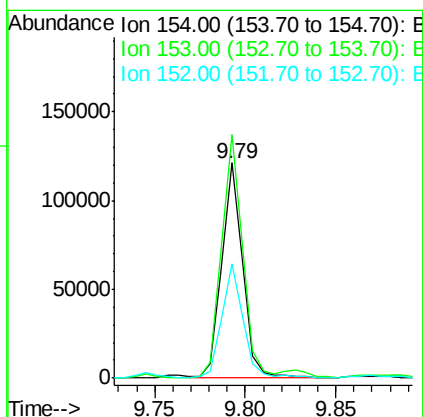
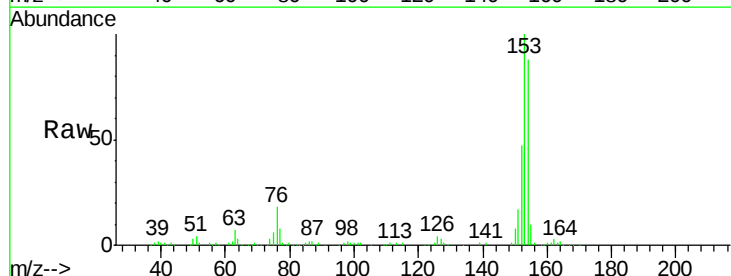
RT: 9.79 min Scan# 1310

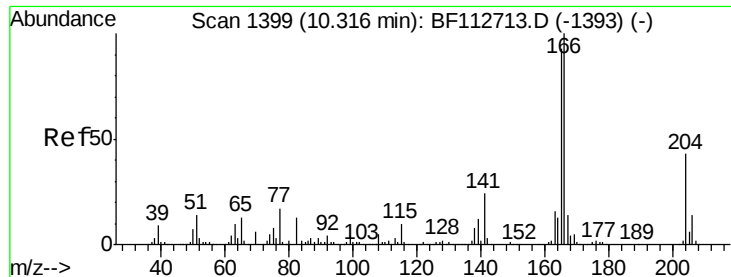
Delta R.T. -0.01 min

Lab File: BF113003.D

Acq: 12 Mar 2019 15:22

Tgt Ion:	154	Resp:	97787
Ion Ratio		Lower	Upper
154	100		
153	113.2	87.8	131.8
152	53.2	43.0	64.6





#58

Fluorene

Concen: 3.867 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF113003.D

Acq: 12 Mar 2019 15:22

Instrument :

BNA_F

ClientSampleId :

GATE-SOIL-BOX

Tot Ion:166 Resp: 91784

Ion Ratio Lower Upper

166 100

165 97.1 74.7 112.1

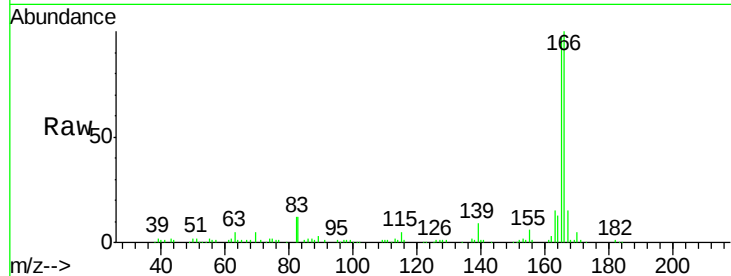
167 14.9 11.0 16.6

Manual Integrations

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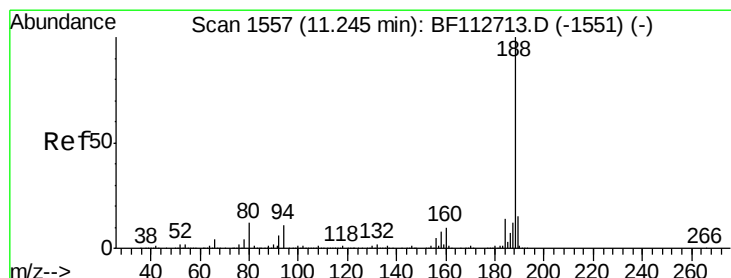
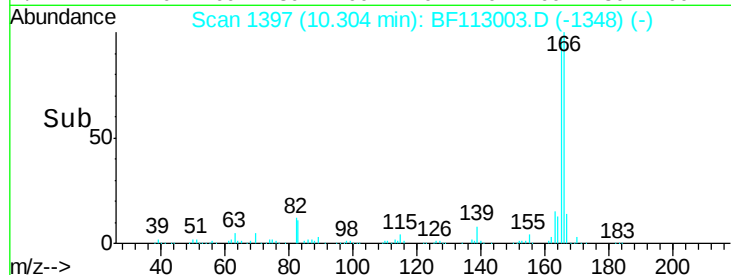
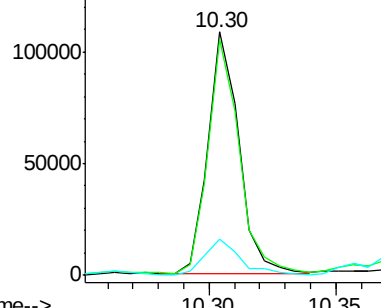
3/13/2019 11:40:32 AM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF113003.D

Acq: 12 Mar 2019 15:22

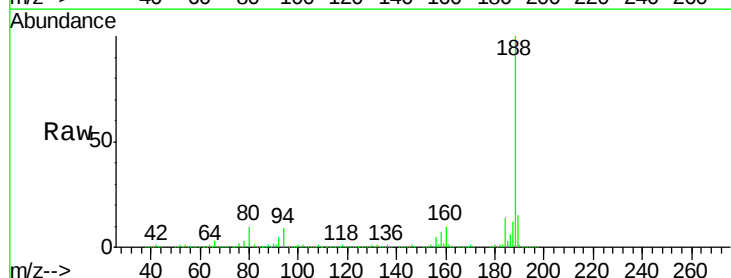
Tgt Ion:188 Resp: 649978

Ion Ratio Lower Upper

188 100

94 9.5 9.0 13.4

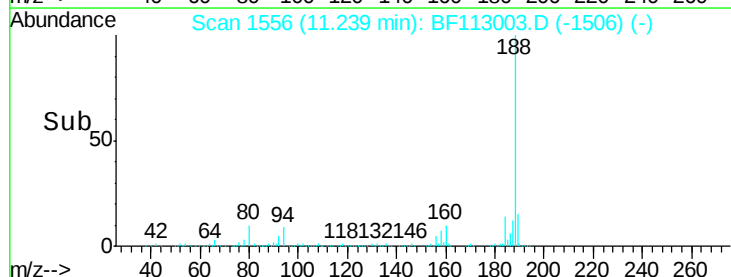
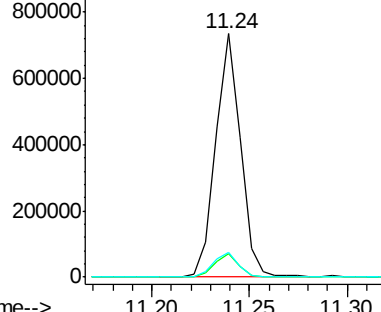
80 10.0 9.2 13.8

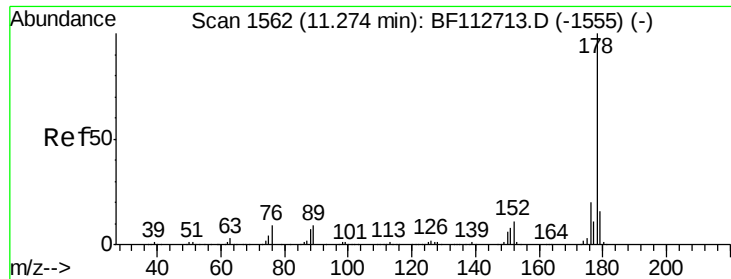


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





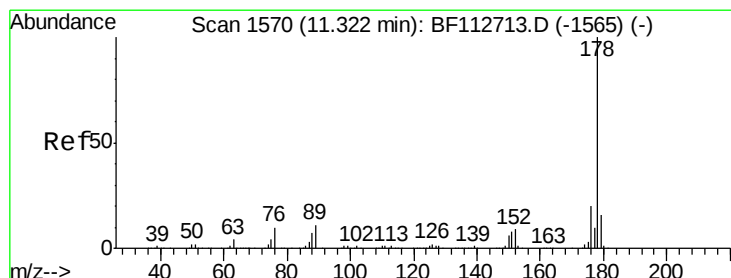
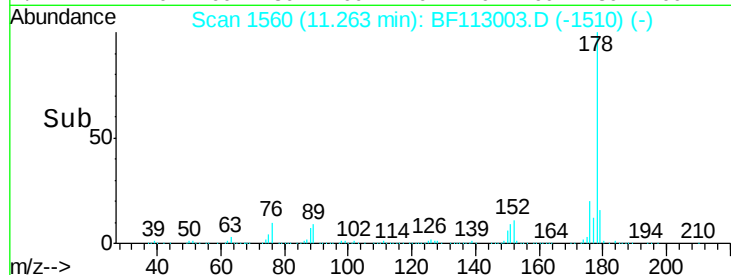
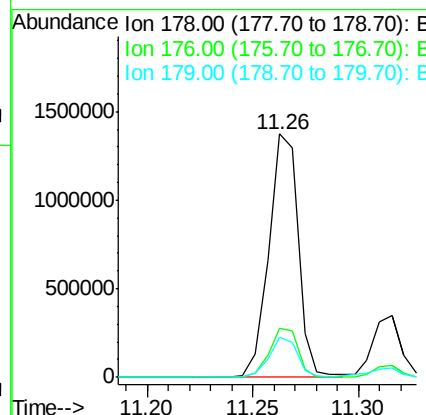
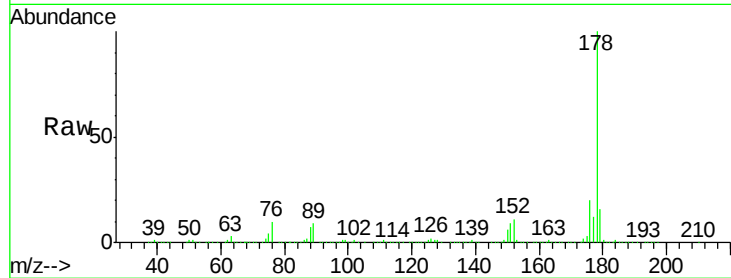
#71
Phenanthrene
Concen: 41.296 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF113003.D
Acq: 12 Mar 2019 15:22

Instrument :
BNA_F
ClientSampleId :
GATE-SOIL-BOX

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.3	24.5
179	16.2	12.7	19.1

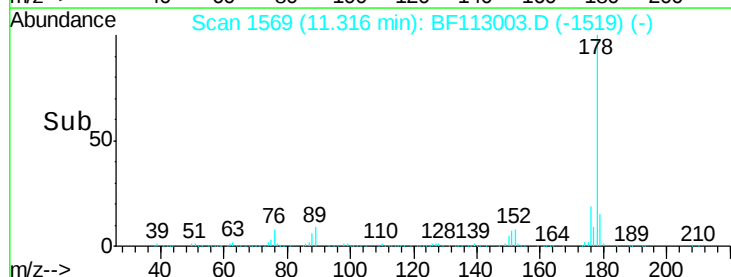
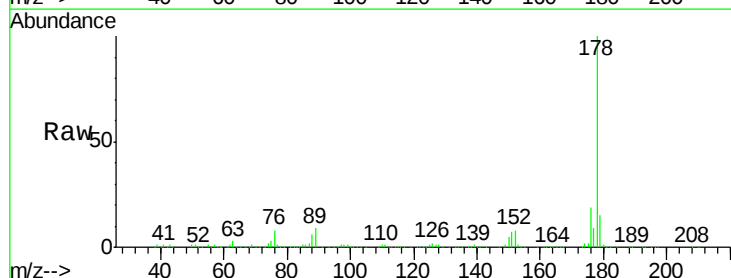
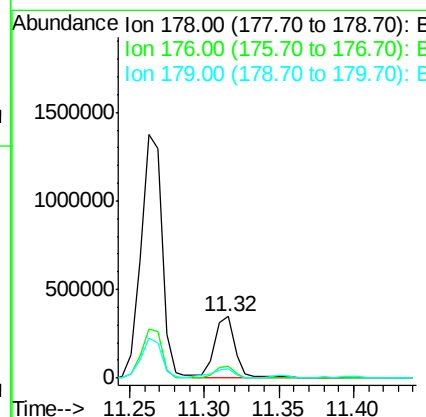
Manual Integrations
APPROVED

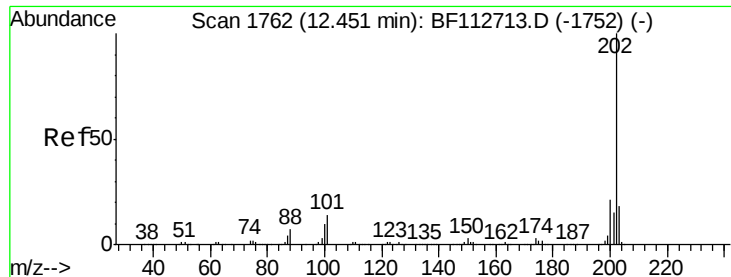
Sohil
3/13/2019 11:40:32 AM



#72
Anthracene
Concen: 9.924 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF113003.D
Acq: 12 Mar 2019 15:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.6
179	15.2	13.0	19.6





#75

Fluoranthene

Concen: 38.563 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF113003.D

Acq: 12 Mar 2019 15:22

Instrument :

BNA_F

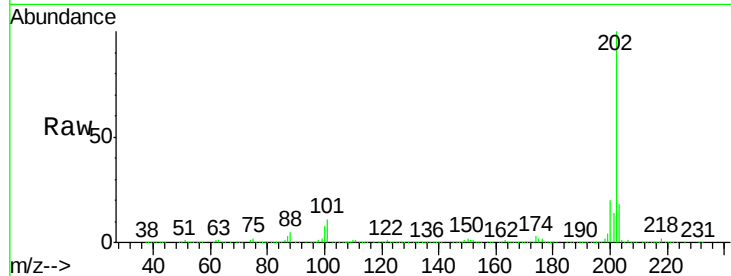
ClientSampleId :

GATE-SOIL-BOX

Tot Ion:	202	Resp:	1336091
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	33.8
203	18.0	0.0	38.4

Manual Integrations
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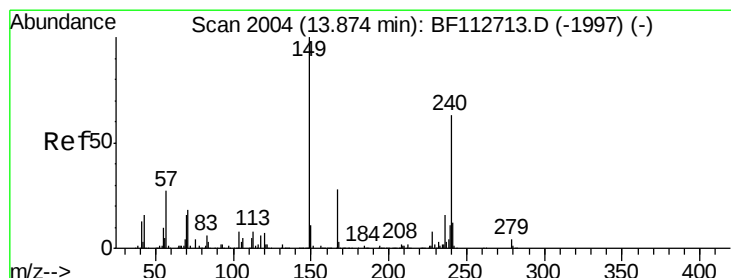
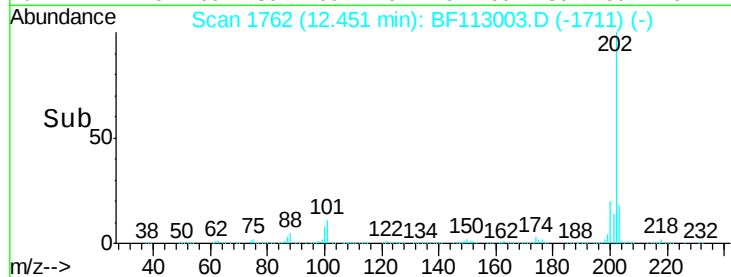
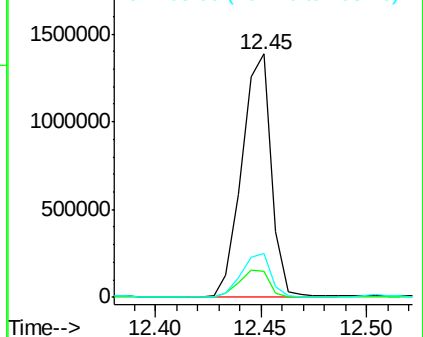
Sohil
3/13/2019 11:40:32 AM



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



#76

Chrysene-d12

Concen: 20.000 ng

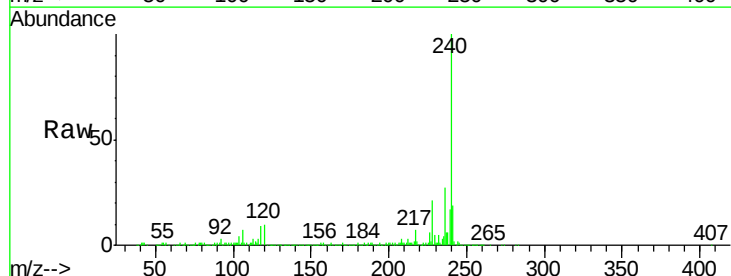
RT: 13.87 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF113003.D

Acq: 12 Mar 2019 15:22

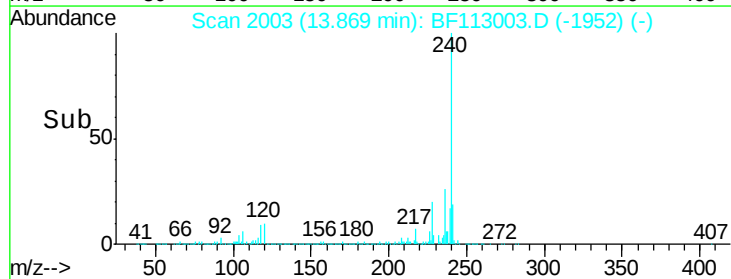
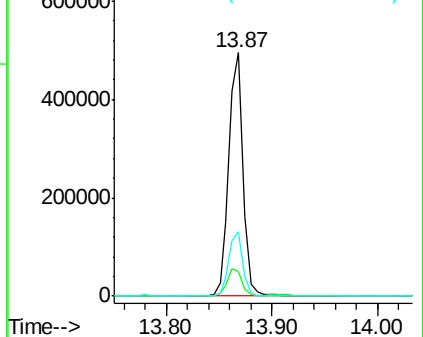
Tgt Ion:	240	Resp:	458733
Ion Ratio	Lower	Upper	
240	100		
120	10.3	8.9	13.3
236	26.6	20.7	31.1

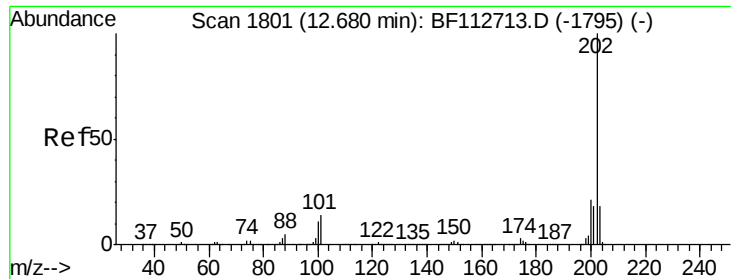


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 38.927 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BF113003.D

Acq: 12 Mar 2019 15:22

Instrument :

BNA_F

ClientSampleId :

GATE-SOIL-BOX

Tot Ion:202 Resp: 1505390

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

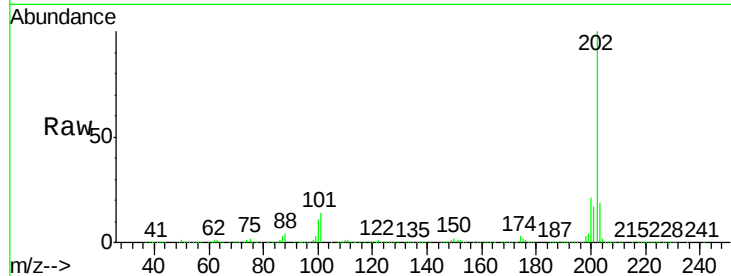
203 18.6 14.4 21.6

Manual Integrations

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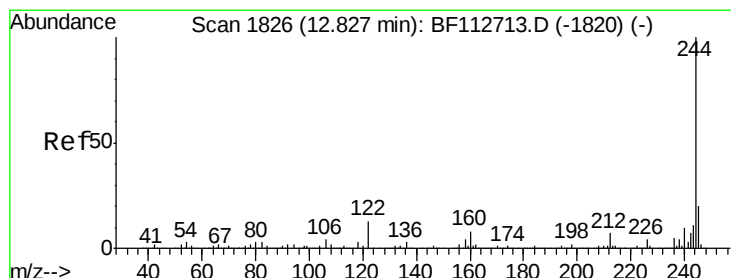
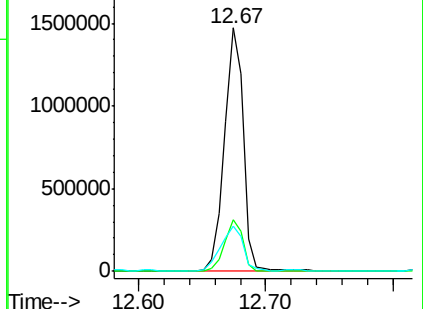
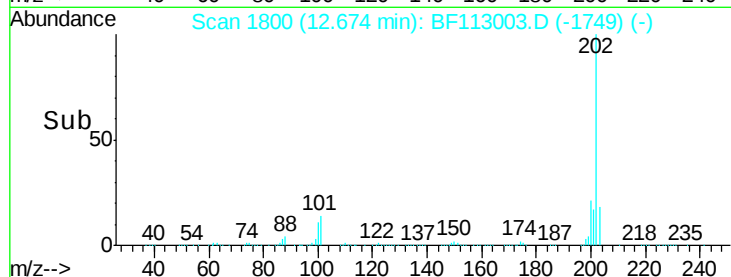
3/13/2019 11:40:32 AM



Abundance Ion 202.00 (201.70 to 202.70): E

2000000 Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 61.064 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF113003.D

Acq: 12 Mar 2019 15:22

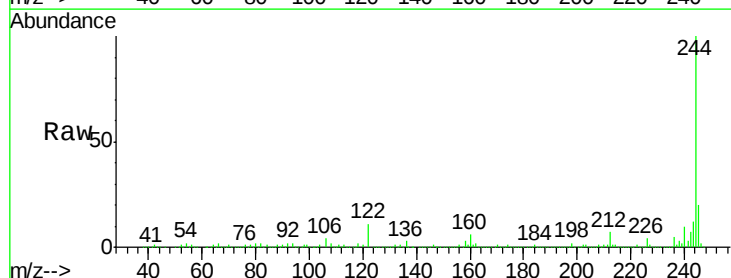
Tgt Ion:244 Resp: 1445043

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

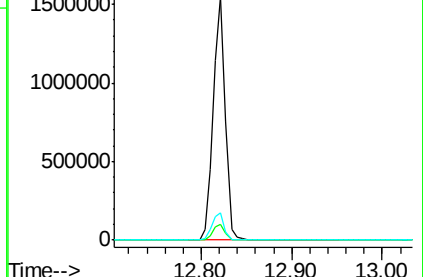
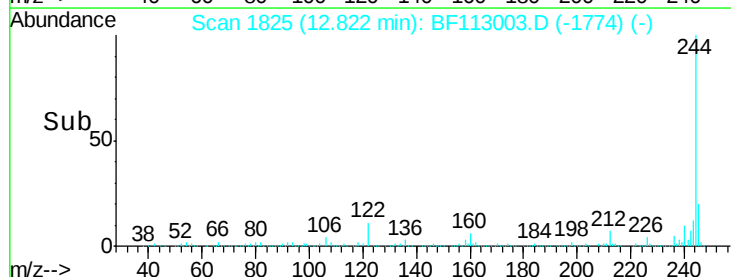
122 11.0 10.5 15.7

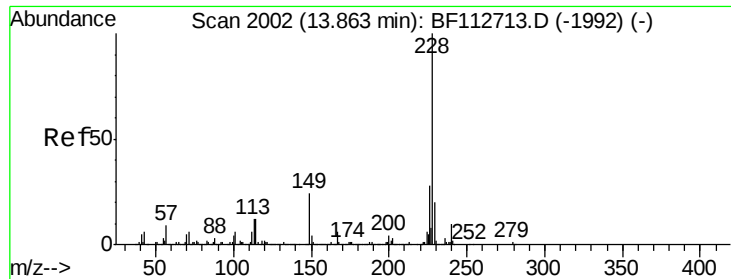


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





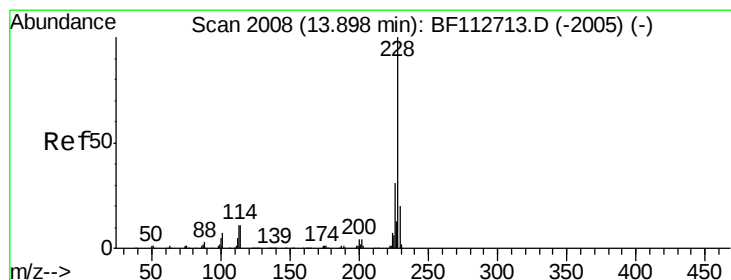
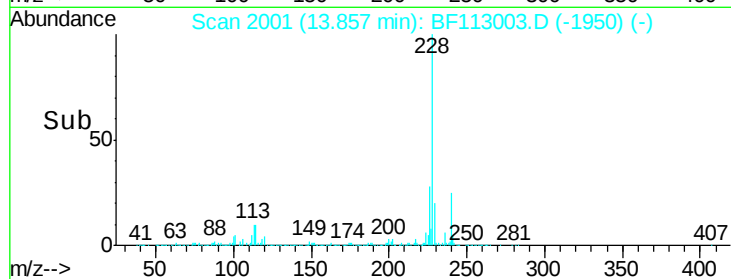
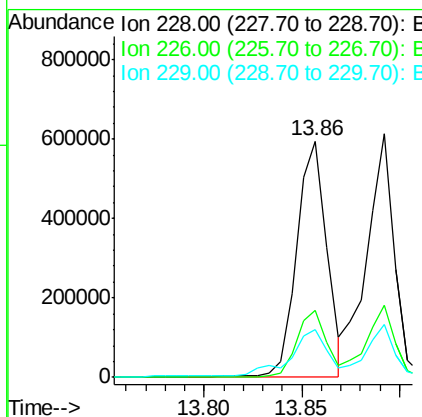
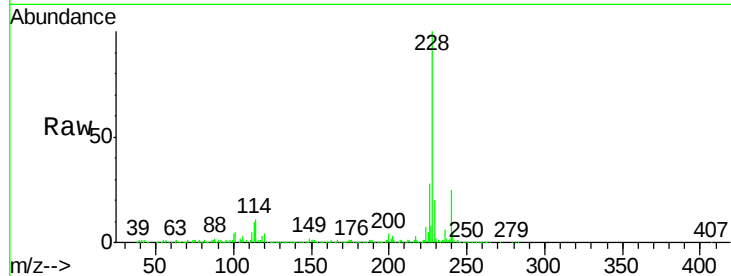
#81
Benzo(a)anthracene
Concen: 19.926 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BF113003.D
Acq: 12 Mar 2019 15:22

Instrument :
BNA_F
ClientSampleId :
GATE-SOIL-BOX

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.4
229	20.2	16.0	24.0

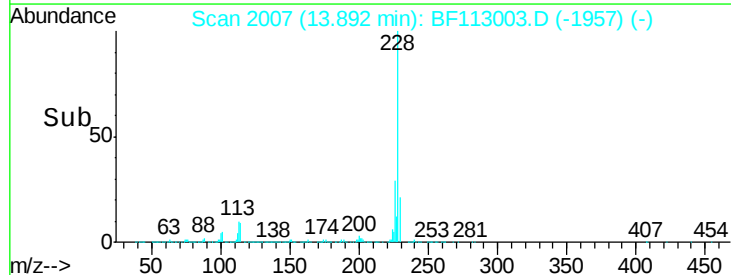
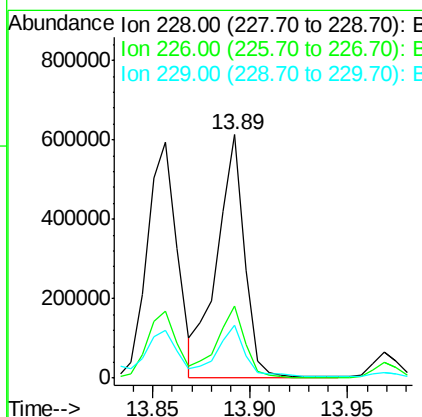
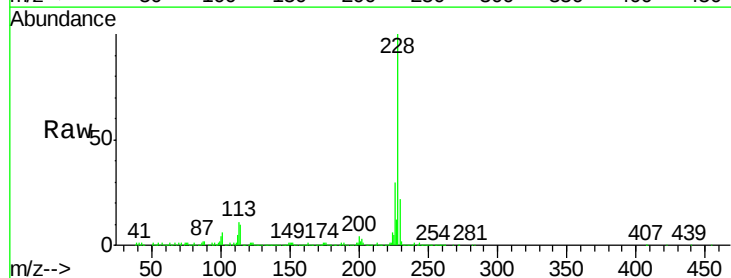
Manual Integrations
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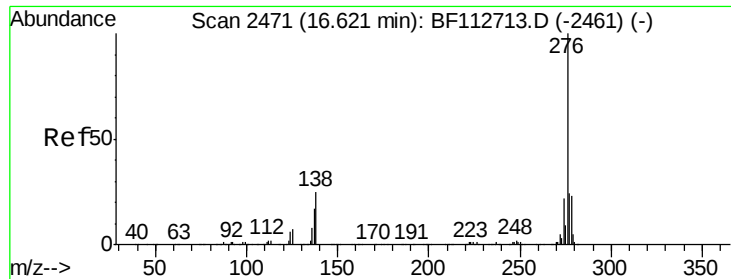
Sohil
3/13/2019 11:40:32 AM



#83
Chrysene
Concen: 19.368 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF113003.D
Acq: 12 Mar 2019 15:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	21.5	16.3	24.5





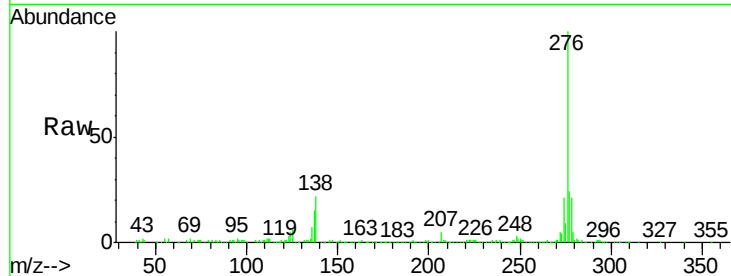
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 13.373 ng/ml
 RT: 16.63 min Scan# 2472
 Delta R.T. -0.01 min
 Lab File: BF113003.D
 Acq: 12 Mar 2019 15:22

Instrument :
 BNA_F
 ClientSampleId :
 GATE-SOIL-BOX

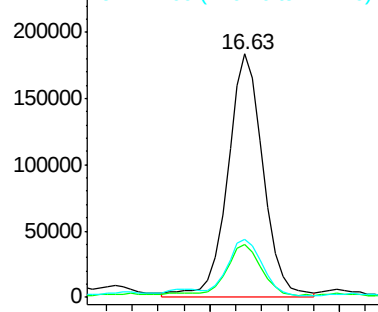
Tot Ion	Ratio	Lower	Upper
276	100		
138	4.4	23.2	34.8#
277	4.9	19.9	29.9#

Manual Integrations
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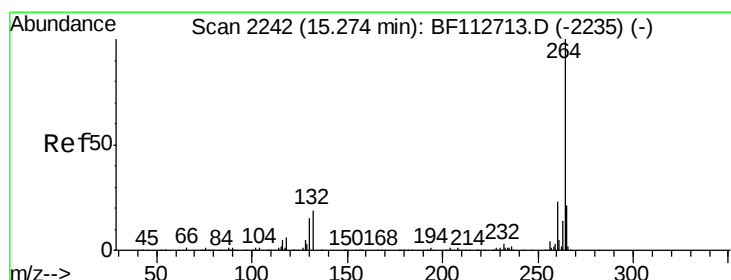
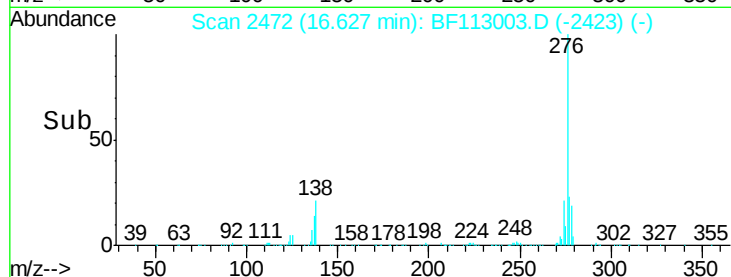
Sohil
 3/13/2019 11:40:32 AM



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

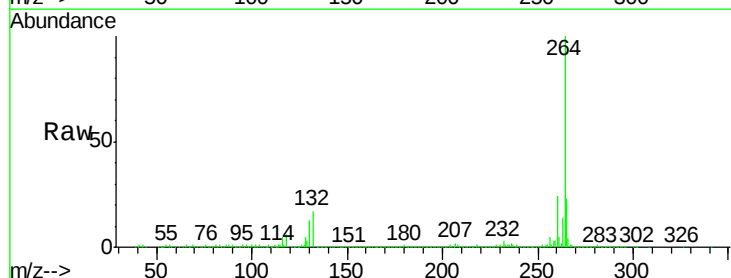


Time-->

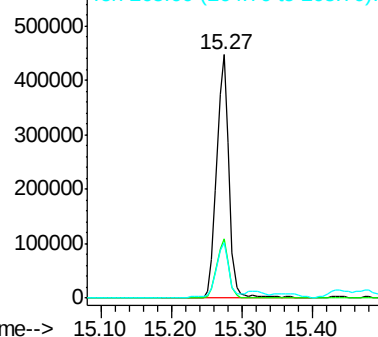


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: BF113003.D
 Acq: 12 Mar 2019 15:22

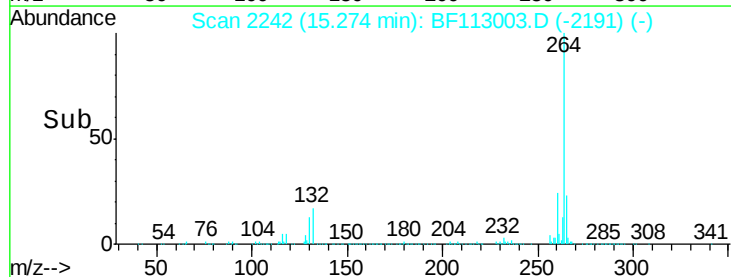
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	22.9	17.2	25.8

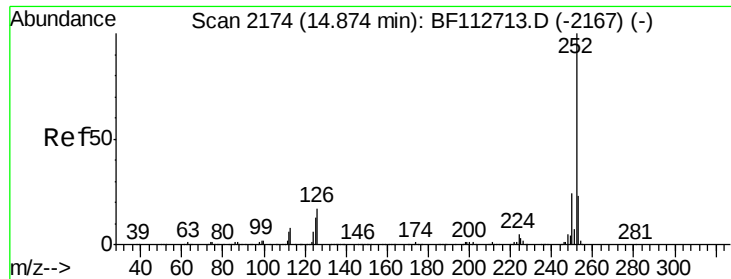


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time-->





#88

Benzo(b)fluoranthene

Concen: 21.023 ng m

RT: 14.87 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BF113003.D

Acq: 12 Mar 2019 15:22

Instrument :

BNA_F

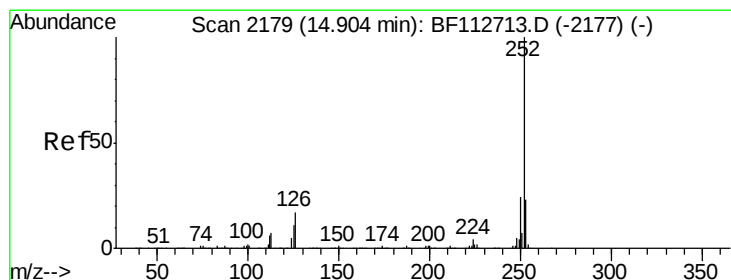
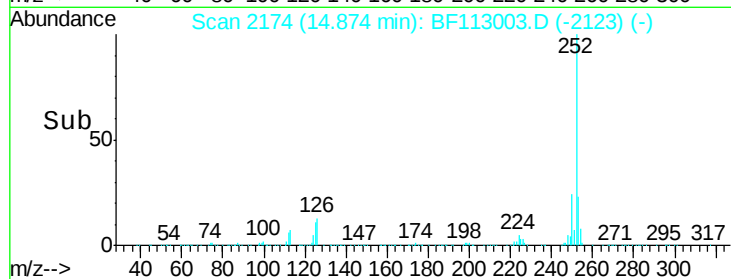
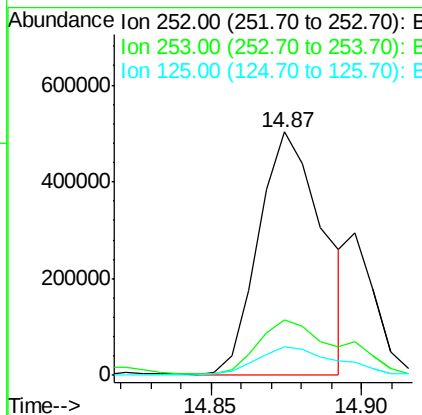
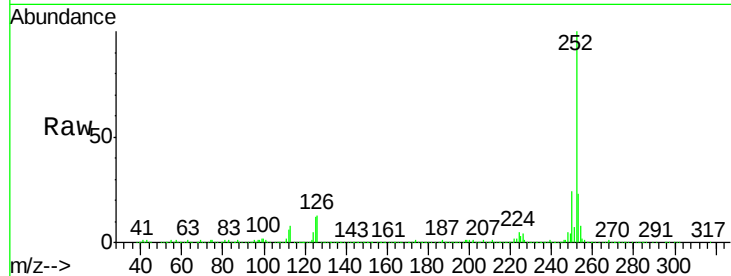
ClientSampled :

GATE-SOIL-BOX

Tot Ion:	252	Resp:	744629
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.0	27.0
125	11.7	10.2	15.2

Manual Integrations
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Sohil
3/13/2019 11:40:32 AM



#89

Benzo(k)fluoranthene

Concen: 6.072 ng m

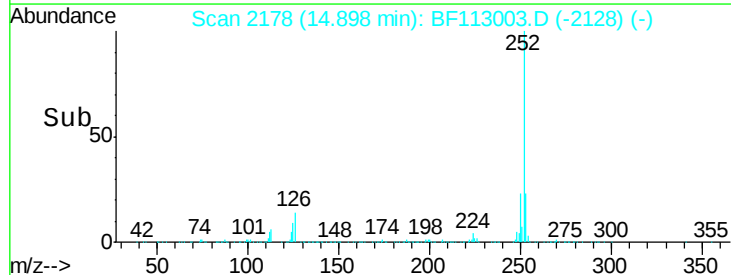
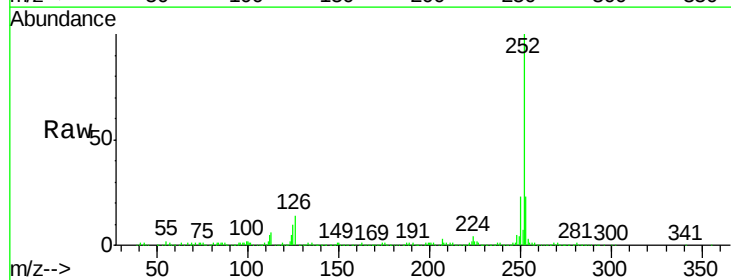
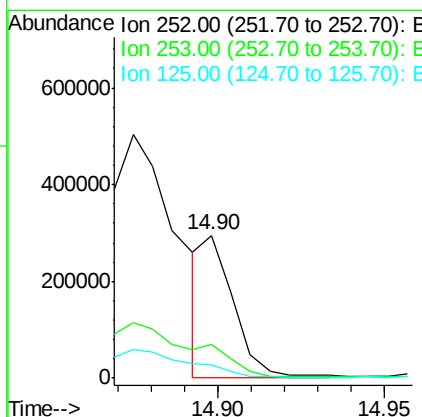
RT: 14.90 min Scan# 2178

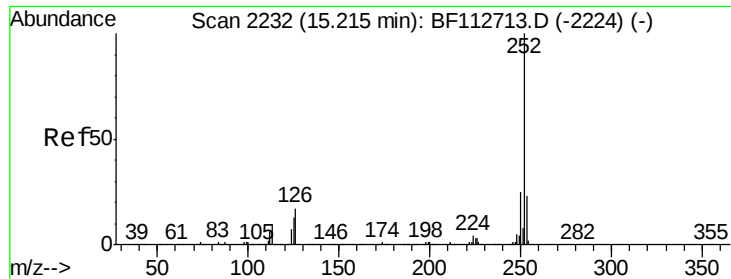
Delta R.T. -0.01 min

Lab File: BF113003.D

Acq: 12 Mar 2019 15:22

Tgt Ion:	252	Resp:	194811
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.2	27.2
125	9.6	9.8	14.6#





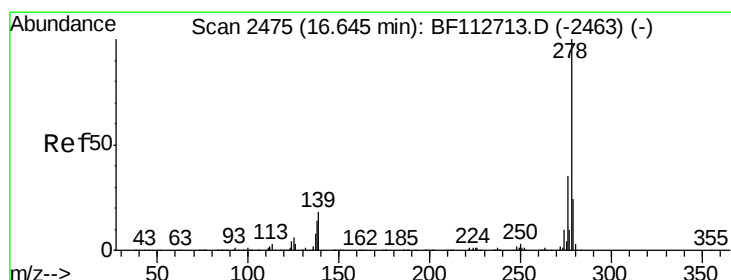
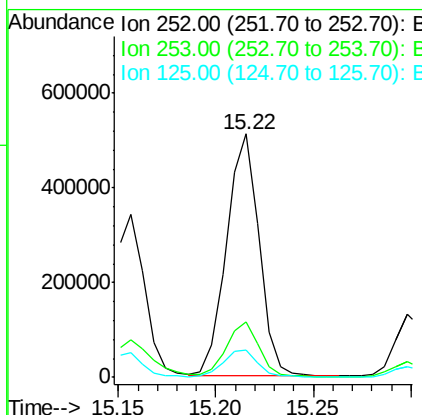
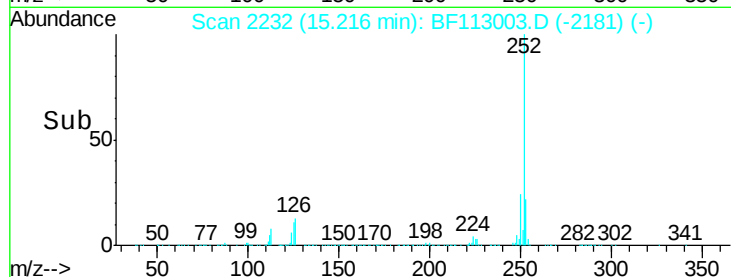
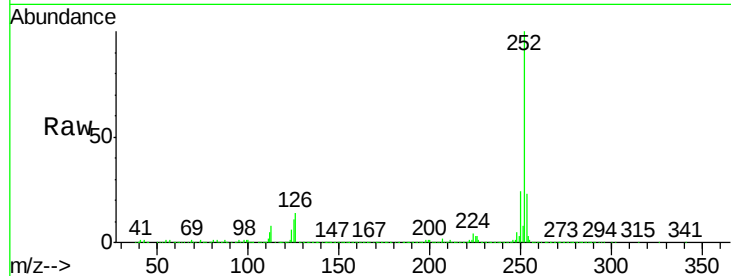
#90
Benzo(a)pyrene
Concen: 18.895 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF113003.D
Acq: 12 Mar 2019 15:22

Instrument :
BNA_F
ClientSampleId :
GATE-SOIL-BOX

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.2	10.7	16.1

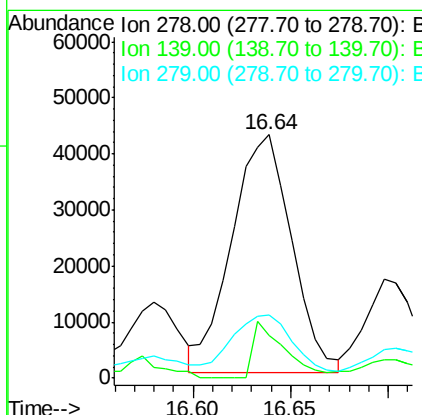
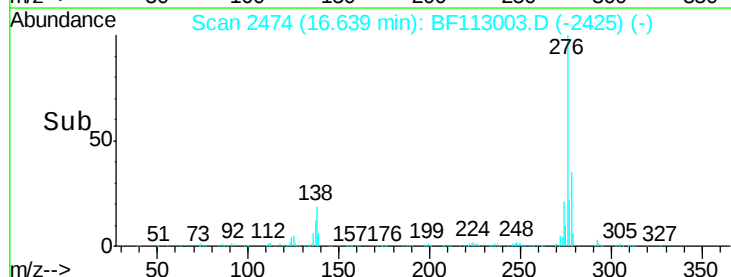
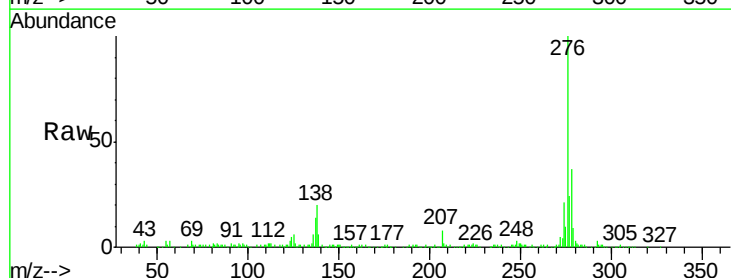
Manual Integrations
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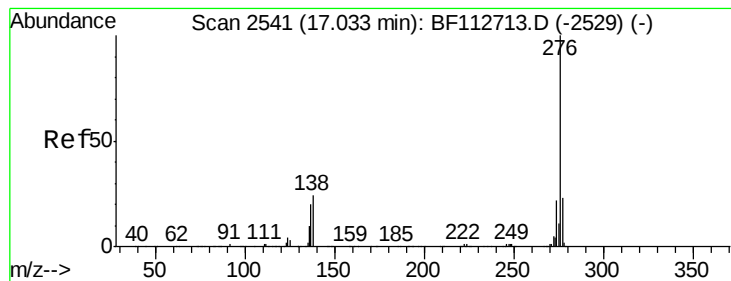
Sohil
3/13/2019 11:40:32 AM



#91
Dibenzo(a,h)anthracene
Concen: 3.395 ng
RT: 16.64 min Scan# 2474
Delta R.T. -0.01 min
Lab File: BF113003.D
Acq: 12 Mar 2019 15:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.3	21.5
279	25.9	19.4	29.0





#92

Benzo(a,h,i)perylene

Concen: 12.932 ng

RT: 17.03 min Scan# 2541

Delta R.T. -0.01 min

Lab File: BF113003.D

Acq: 12 Mar 2019 15:22

Instrument :

BNA_F

ClientSampleId :

GATE-SOIL-BOX

Tot Ion:	276	Resp:	347148
Ion Ratio		Lower	Upper
276	100		
277	23.2	18.6	27.8
138	21.3	19.4	29.0

Manual Integrations
APPROVED

Sohil
3/13/2019 11:40:32 AM

