

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111724.D
 Acq On : 26 Dec 2018 20:09
 Operator : JU/SJ
 Sample : J6493-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-DRUM

Manual Integrations
 APPROVED

Sohil
 12/27/2018 8:22:28 AM

Quant Time: Dec 27 02:45:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	225777	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	806333	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	354366	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	556742	20.00	ng	0.00
76) Chrysene-d12	14.06	240	526220	20.00	ng	0.00
87) Perylene-d12	15.54	264	426637	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1263683	95.40	ng	0.02
7) Phenol-d6	6.54	99	1611185	95.58	ng	0.02
23) Nitrobenzene-d5	7.46	82	1025089	74.00	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	374133	89.35	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1728390	71.09	ng	0.00
79) Terphenyl-d14	13.00	244	1408794	50.77	ng	0.00
Target Compounds						
10) Phenol	6.55	94	89905	4.727	ng	97
50) Dimethylphthalate	9.65	163	197159	7.608	ng	96
71) Phenanthrene	11.45	178	106382	3.603	ng	93
75) Fluoranthene	12.63	202	225070	7.528	ng	94
78) Pyrene	12.86	202	198319	5.337	ng	95
81) Benzo(a)anthracene	14.04	228	107007	3.563	ng	99
83) Chrysene	14.08	228	101013	3.422	ng	97
88) Benzo(b)fluoranthene	15.10	252	135959m	5.453	ng	
90) Benzo(a)pyrene	15.47	252	84942m	3.750	ng	
92) Benzo(g,h,i)perylene	17.47	276	47438	2.449	ng	# 86

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

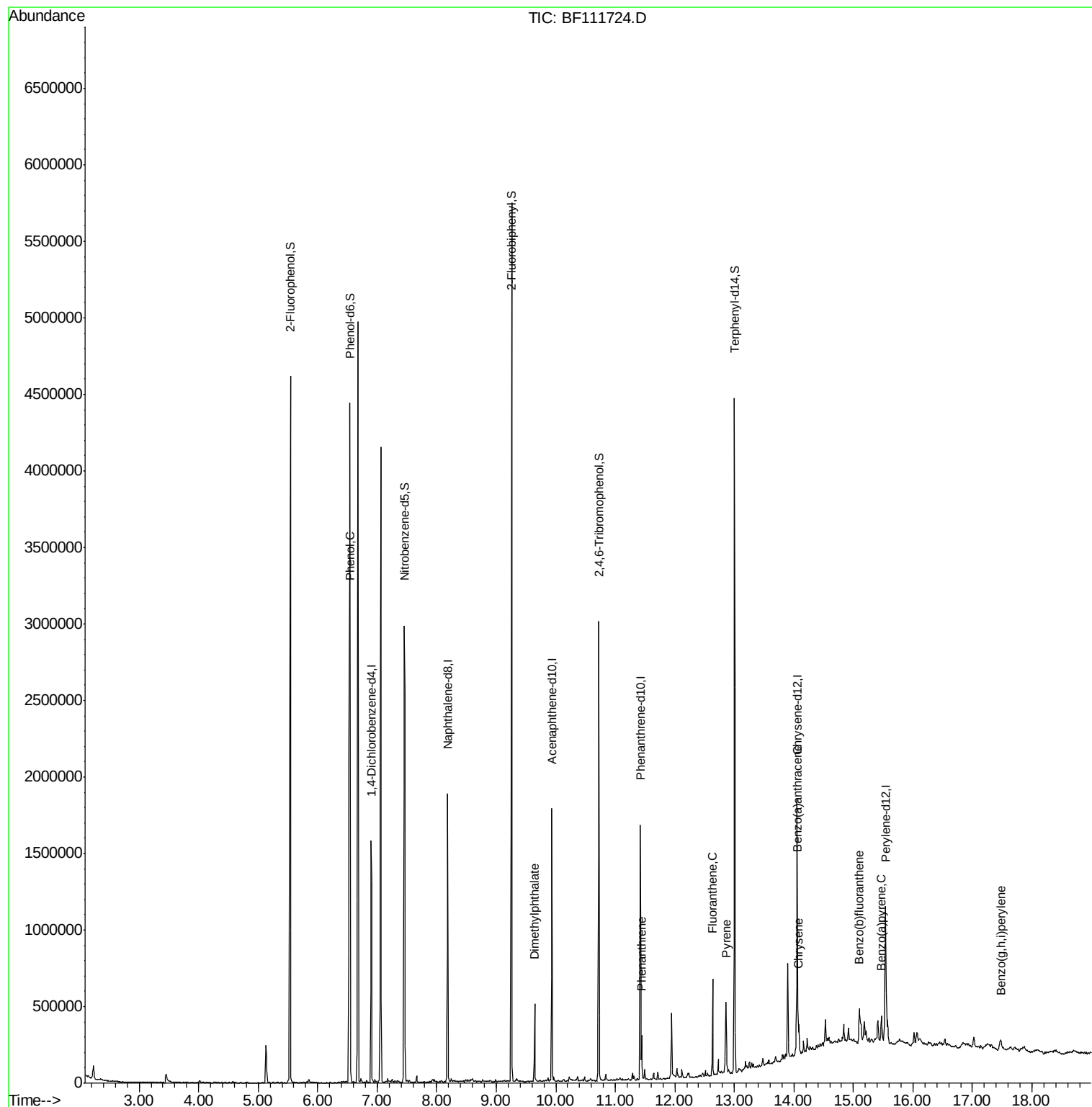
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111724.D
Acq On : 26 Dec 2018 20:09
Operator : JU/SJ
Sample : J6493-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

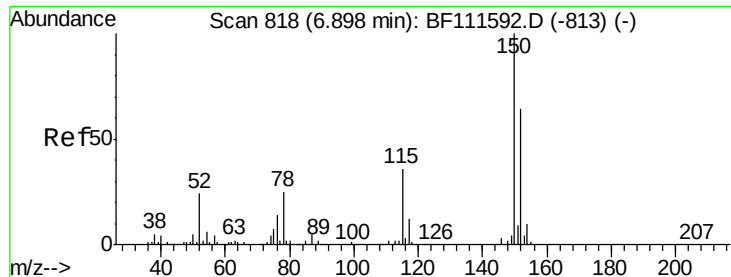
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

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#1

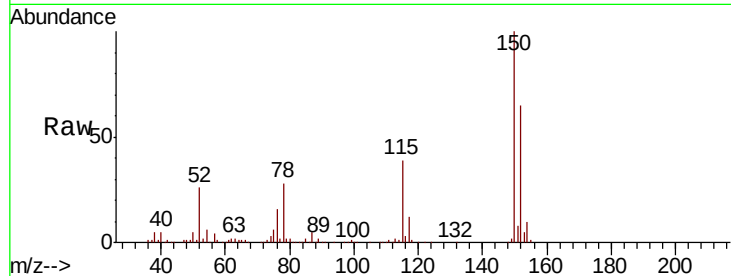
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampled :
SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.6	189.8
115	60.3	50.7	76.1

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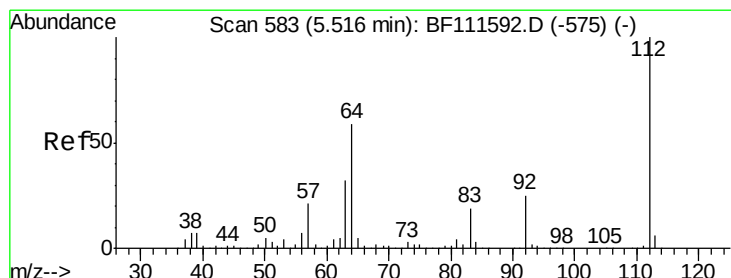
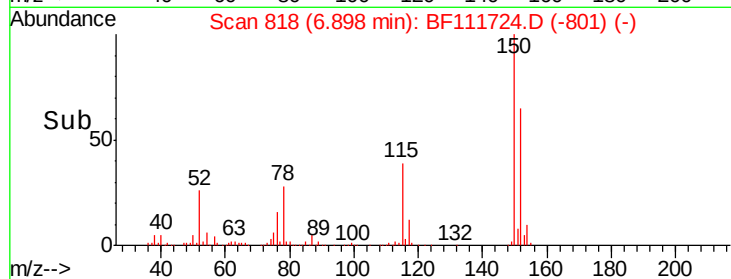
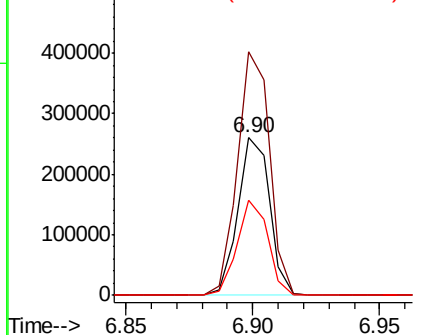


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

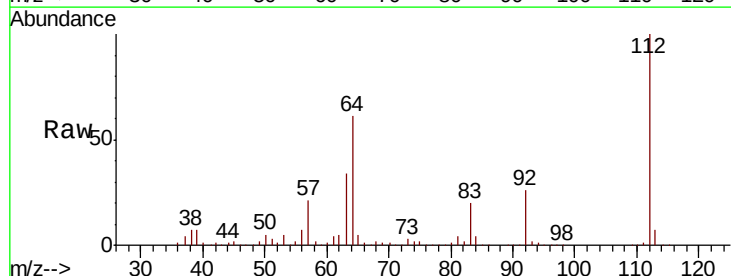
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.403 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	51.8	77.6
63	34.2	26.8	40.2

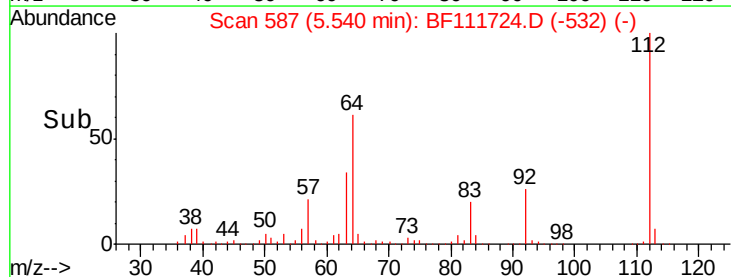
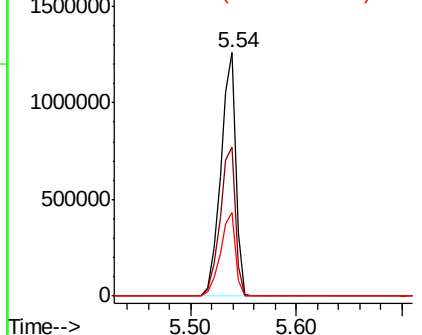


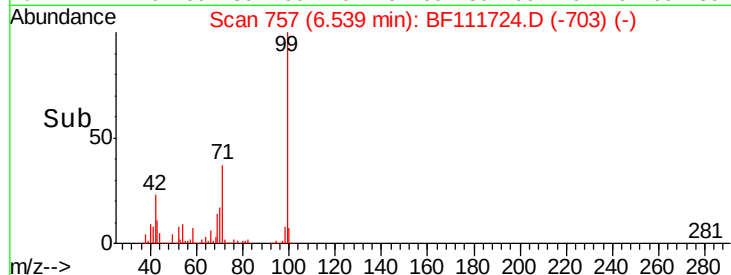
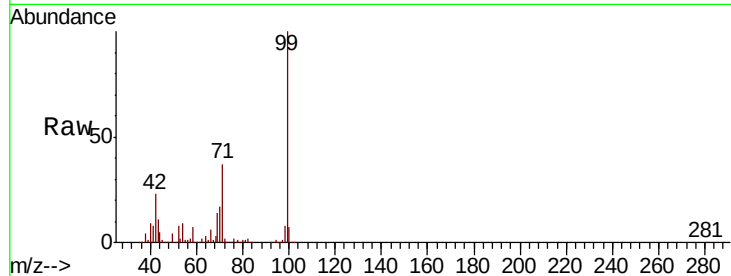
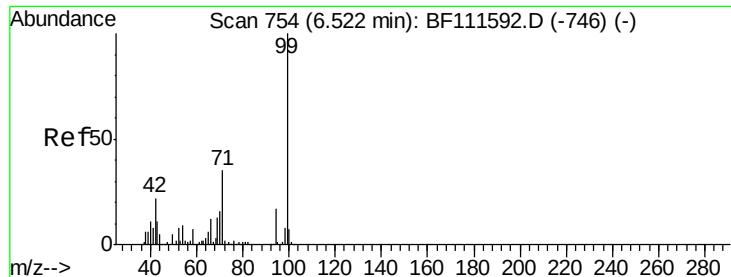
Abundance

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: 95.579 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Tot Ion: 99 Resp: 1611185

Ion Ratio Lower Upper

99 100

42 22.9 17.4 26.0

71 37.1 26.1 39.1

Instrument :

BNA_F

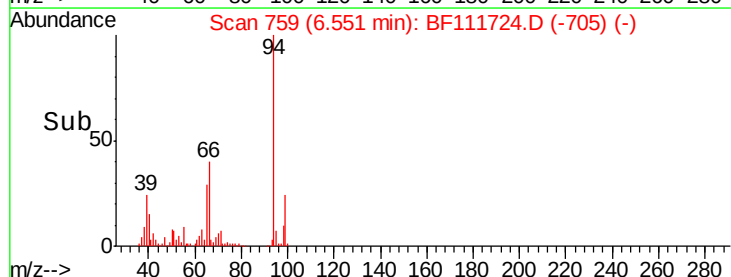
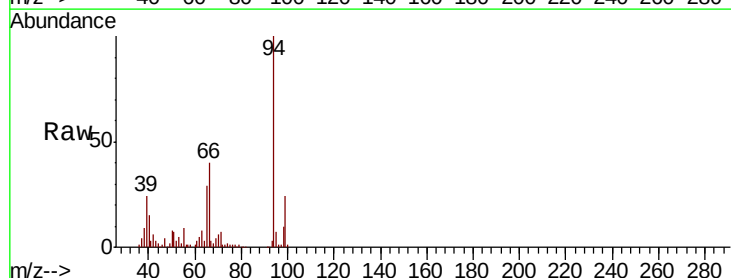
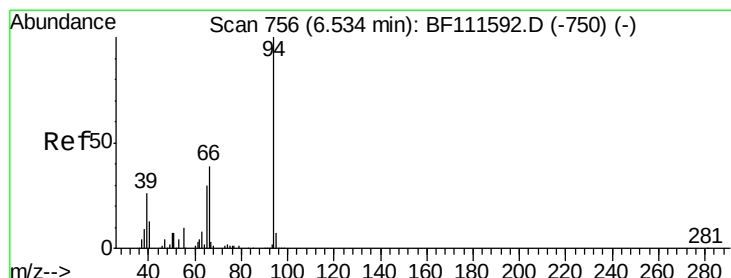
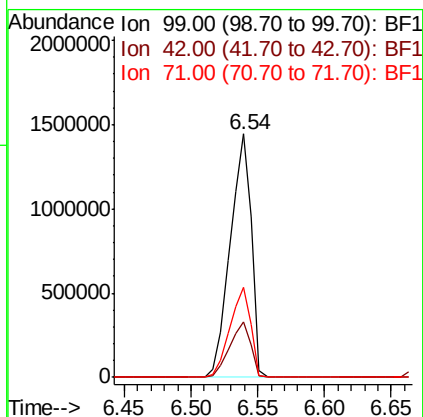
ClientSampleId :

SOIL-DRUM

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#10

Phenol

Concen: 4.727 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.02 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

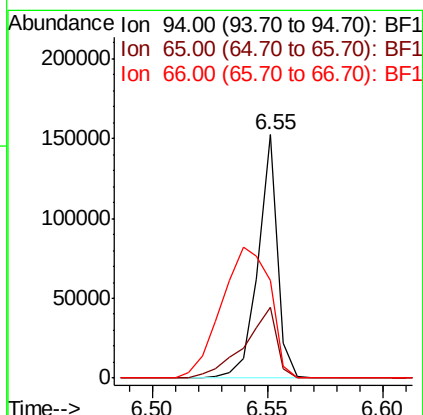
Tgt Ion: 94 Resp: 89905

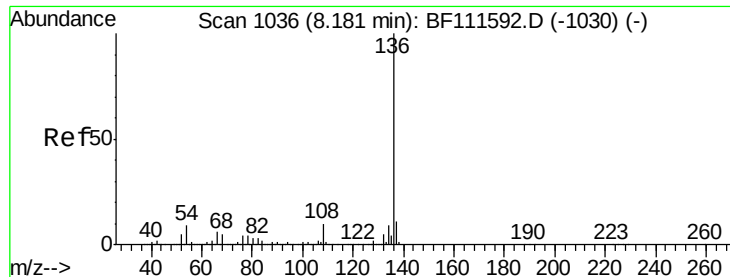
Ion Ratio Lower Upper

94 100

65 29.3 11.7 51.7

66 39.9 21.0 61.0





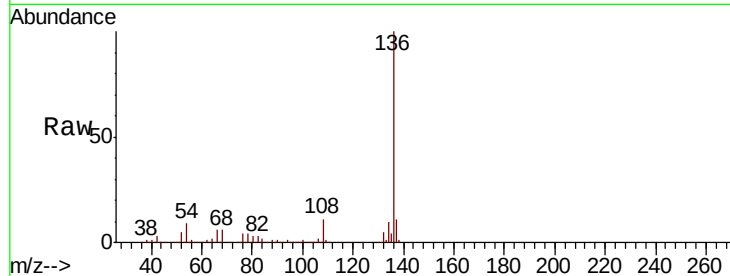
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampled :
SOIL-DRUM

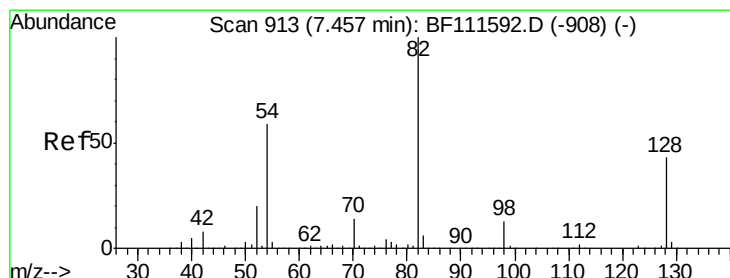
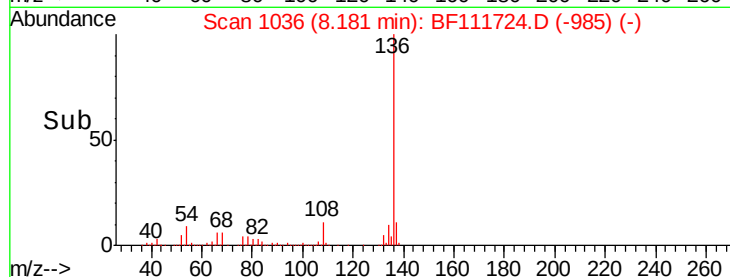
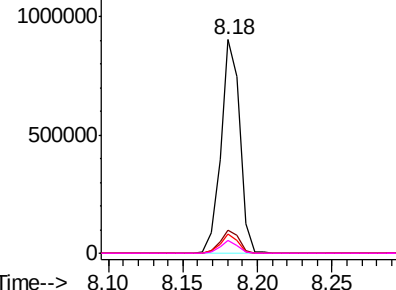
Tot Ion	Ratio	Resp	Lower	Upper
136	100	806333		
137	11.0		9.1	13.7
54	9.0		7.7	11.5
68	5.7		4.9	7.3

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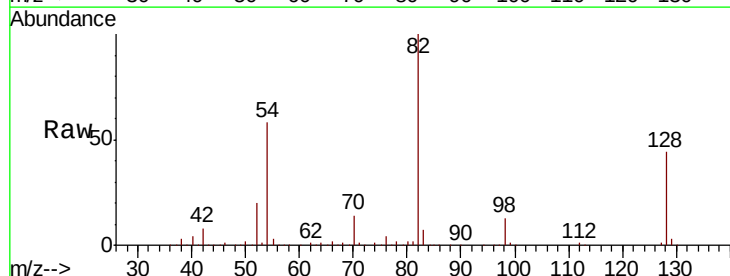


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

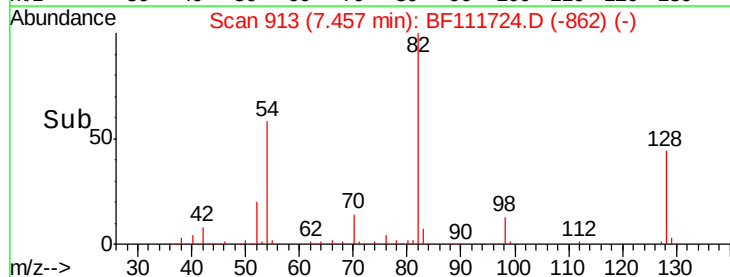
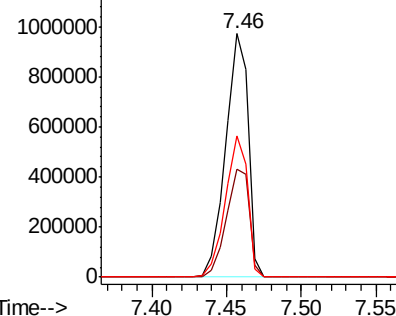


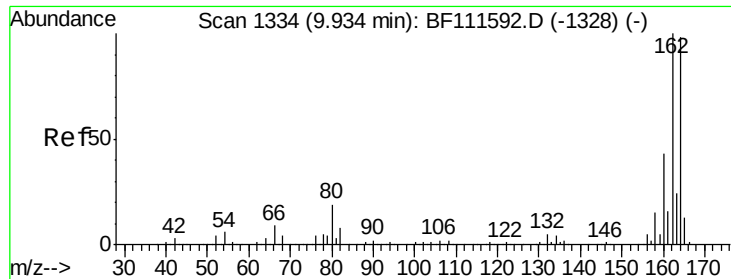
#23
Nitrobenzene-d5
Concen: 73.999 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1025089		
128	44.1		37.4	56.2
54	58.2		47.6	71.4



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





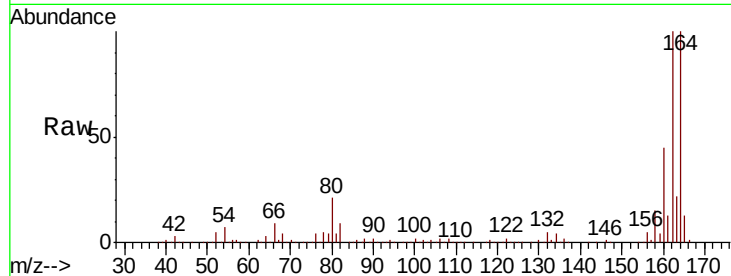
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.8	81.4	122.0	
160	45.1	35.7	53.5	

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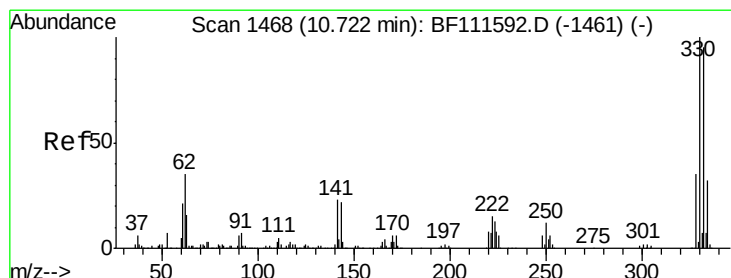
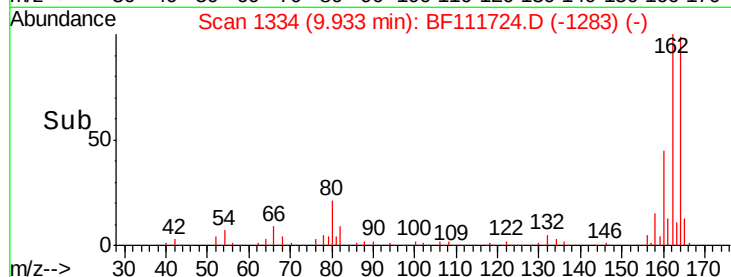
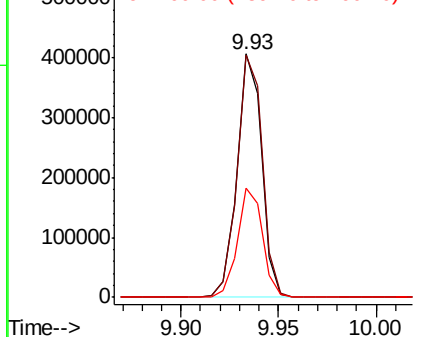


Abundance

Ion 164.00 (163.70 to 164.70): E

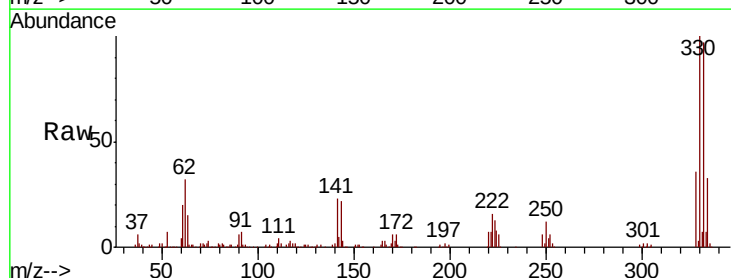
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 89.354 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	76.0	114.0	
141	30.1	31.0	46.6#	

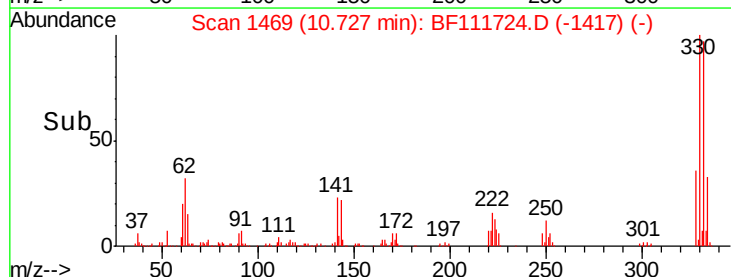
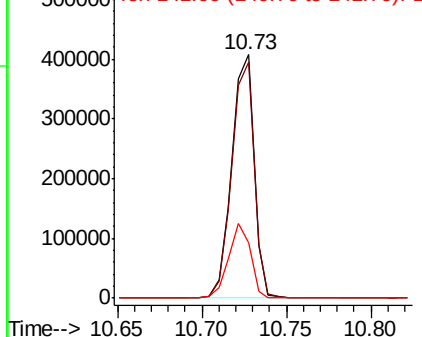


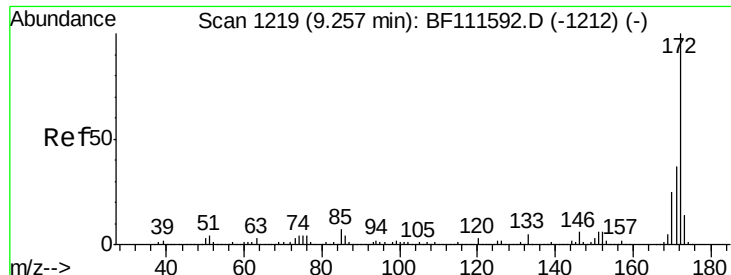
Abundance

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





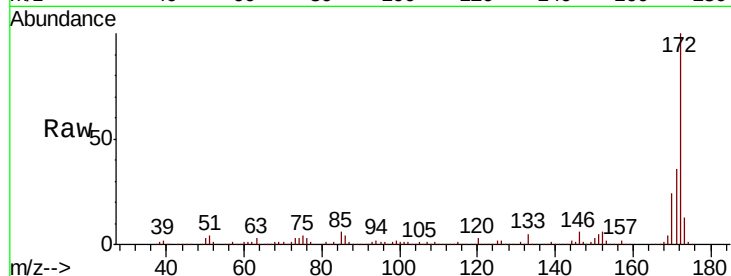
#45
2-Fluorobiphenyl
Concen: 71.092 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampled :
SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	33.0	49.4
170	23.9	22.3	33.5

Manual Integrations
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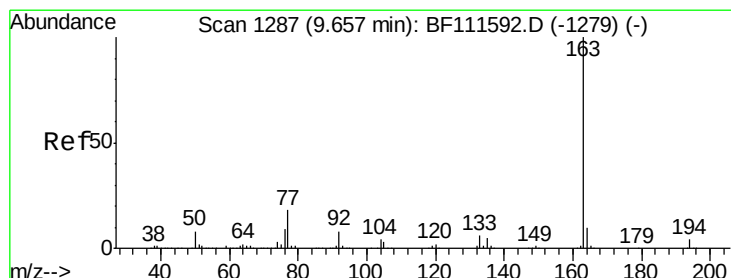
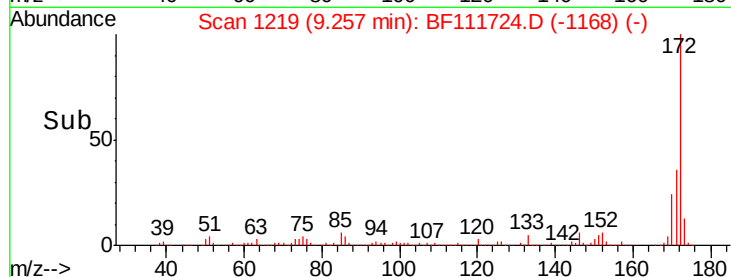
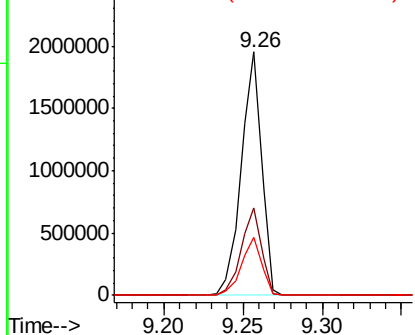


Abundance

Ion 172.00 (171.70 to 172.70): E

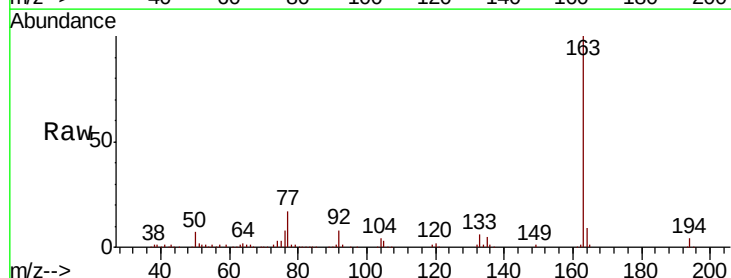
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.608 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	9.2	8.9	13.3

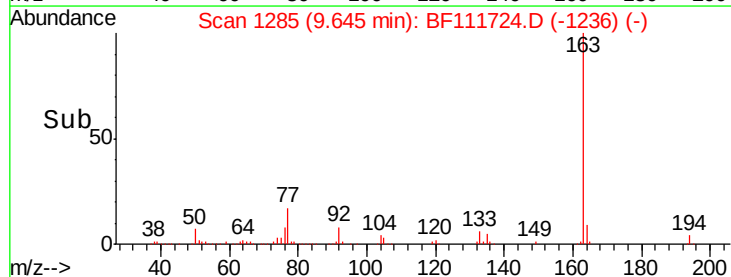
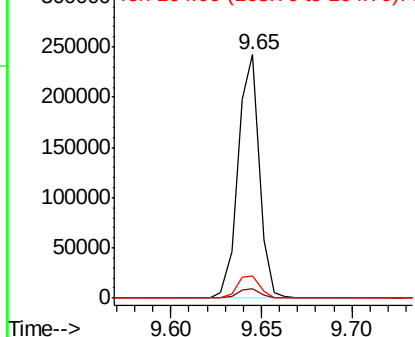


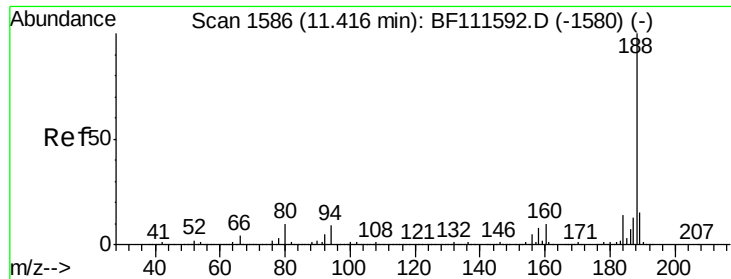
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





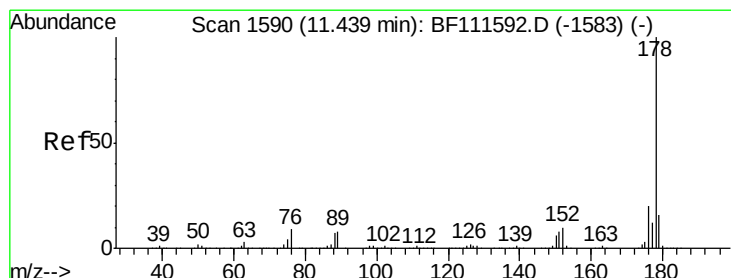
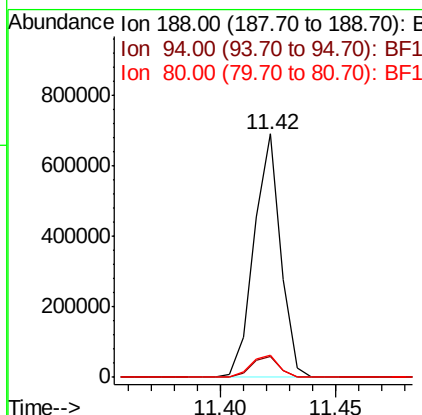
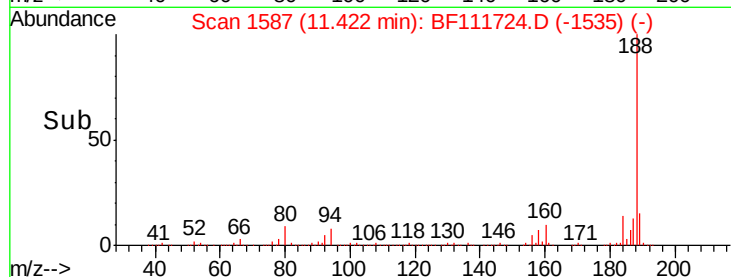
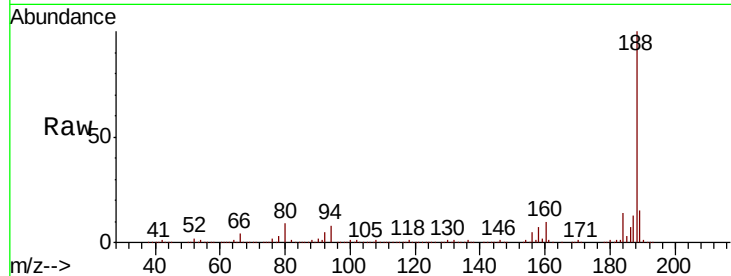
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.4	9.6	14.4#
80	9.1	9.8	14.6#

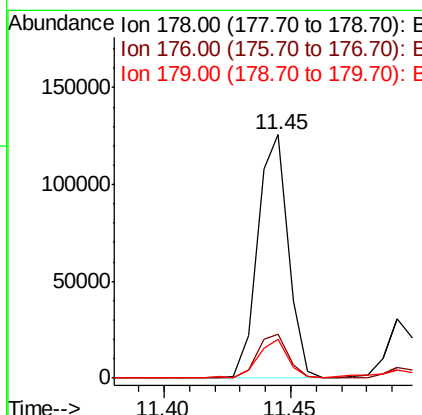
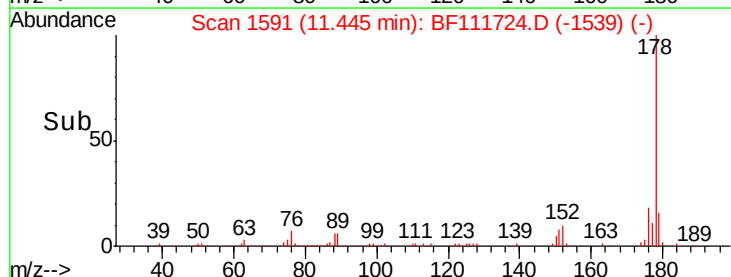
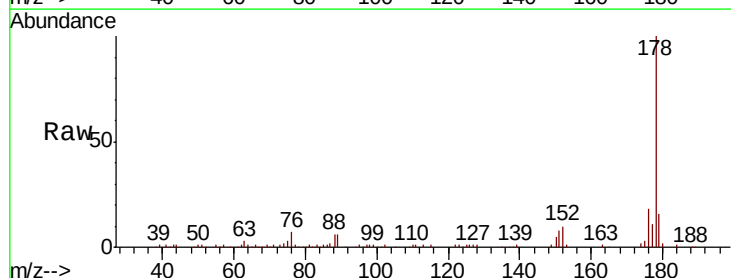
Manual Integrations
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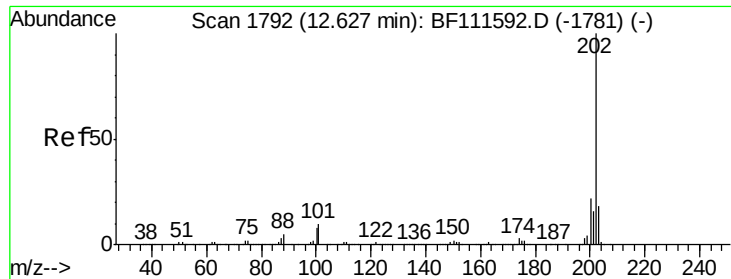
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#71
Phenanthrene
Concen: 3.603 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.2	18.1	27.1
179	15.9	14.0	21.0





#75

Fluoranthene

Concen: 7.528 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Instrument :

BNA_F

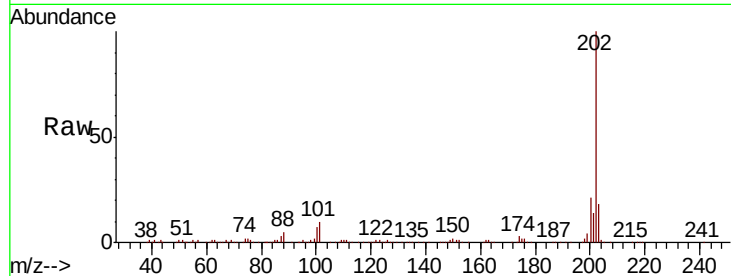
ClientSampleId :

SOIL-DRUM

Tot Ion:	202	Resp:	225070
Ion Ratio		Lower	Upper
202	100		
101	9.5	0.0	33.8
203	17.6	0.0	38.6

Manual Integrations
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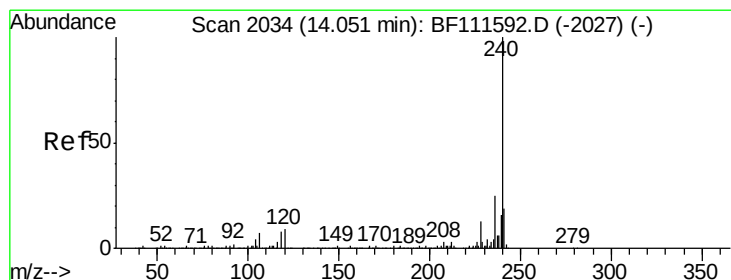
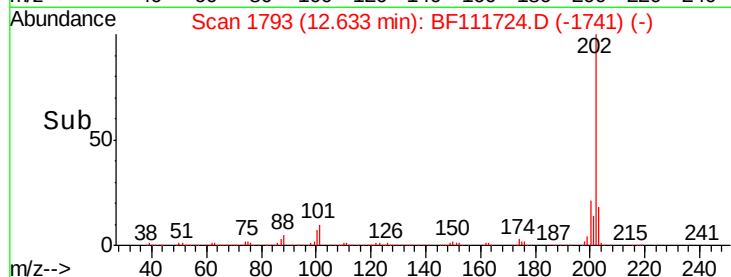
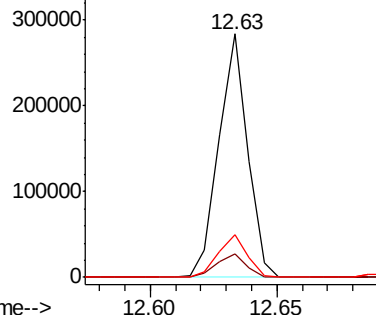


Abundance

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: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

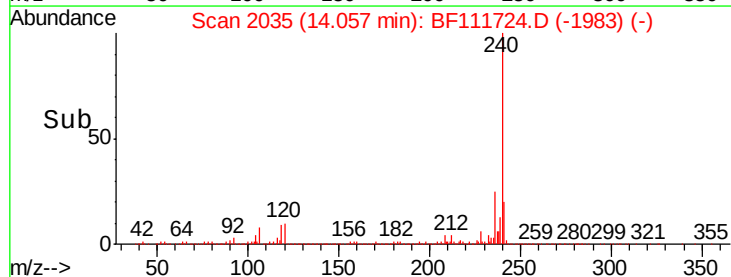
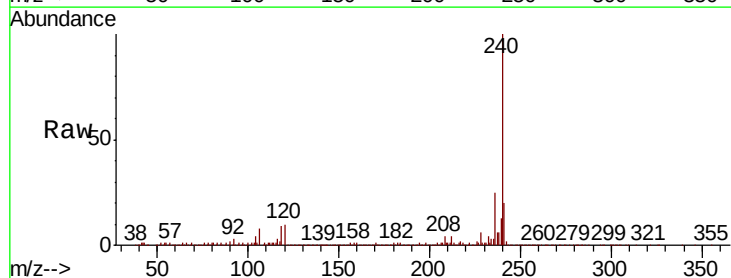
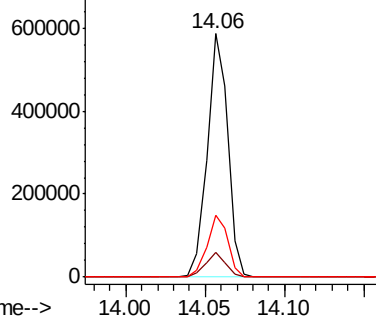
Tgt Ion:	240	Resp:	526220
Ion Ratio		Lower	Upper
240	100		
120	10.0	12.2	18.2#
236	25.3	20.2	30.2

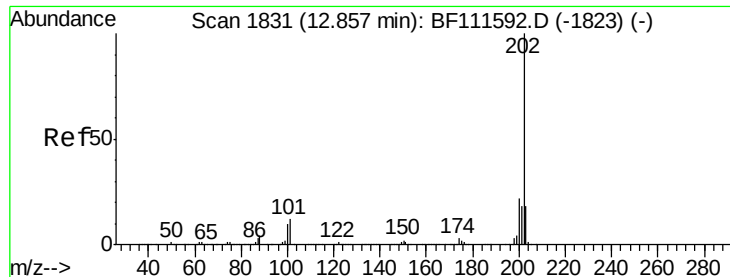
Abundance

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: 5.337 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Instrument :

BNA_F

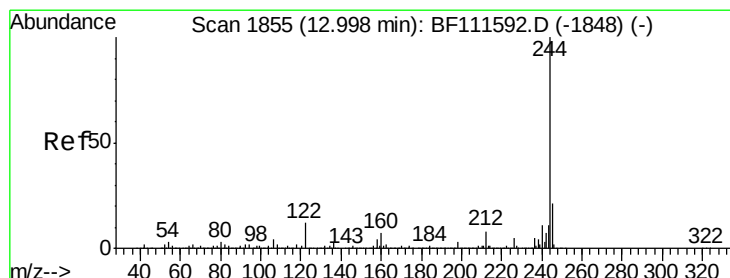
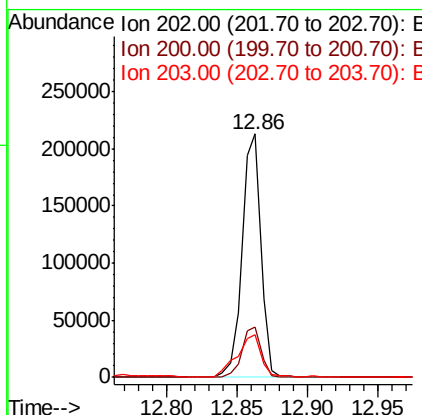
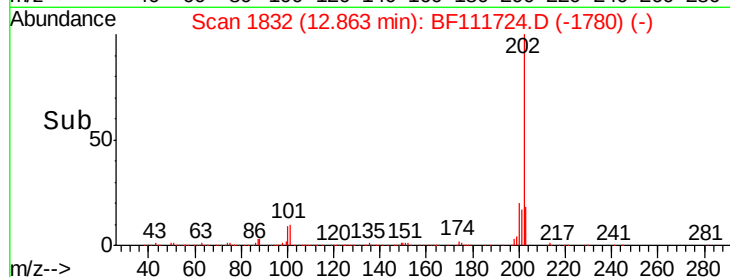
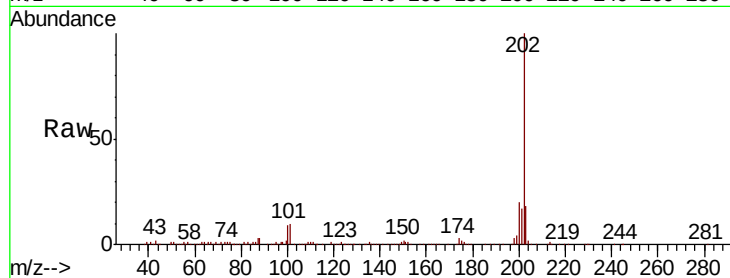
ClientSampled :

SOIL-DRUM

Tot Ion:	202	Resp:	198319
Ion Ratio	Lower	Upper	
202	100		
200	20.4	19.0	28.4
203	17.7	15.2	22.8

Manual Integrations
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#79

Terphenyl-d14

Concen: 50.771 ng

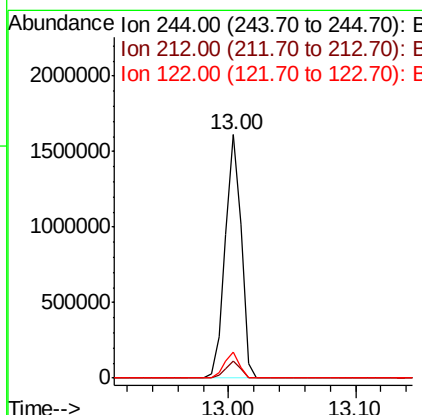
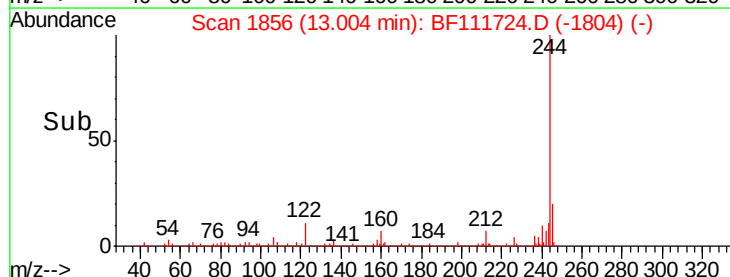
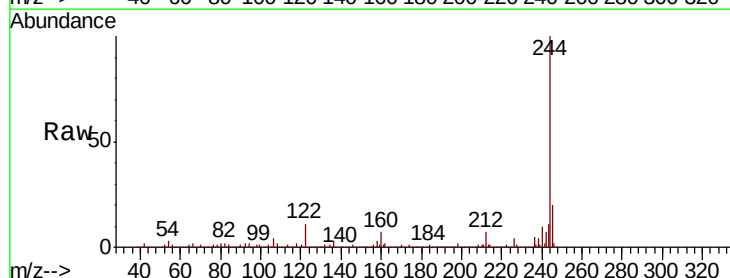
RT: 13.00 min Scan# 1856

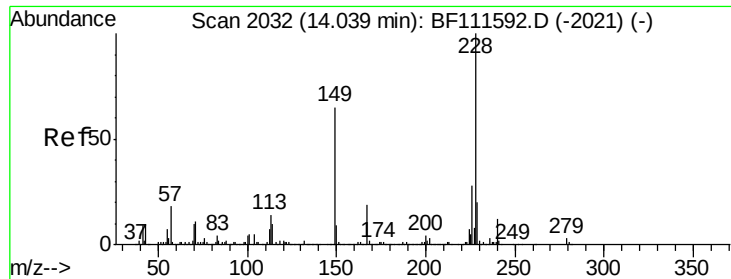
Delta R.T. 0.01 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Tgt Ion:	244	Resp:	1408794
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.7	8.5
122	10.7	13.1	19.7#





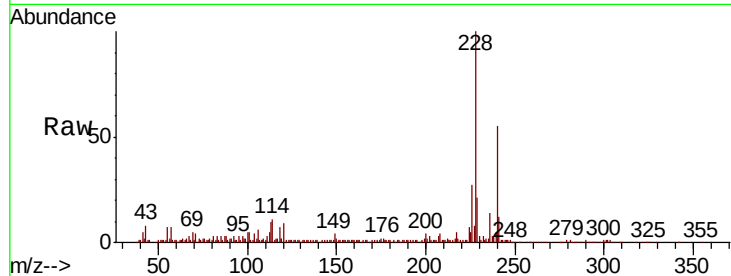
#81
Benzo(a)anthracene
Concen: 3.563 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

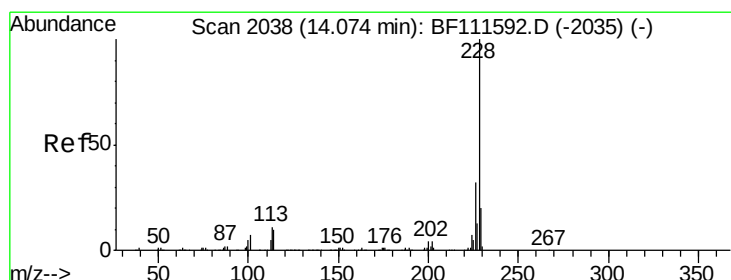
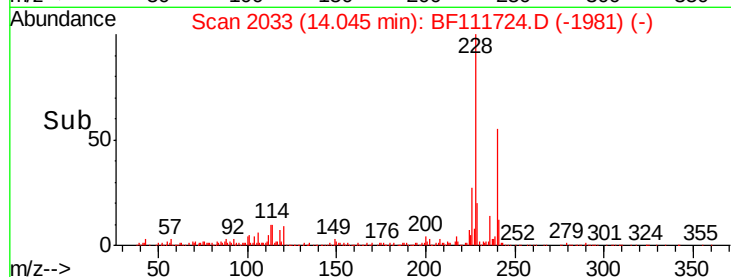
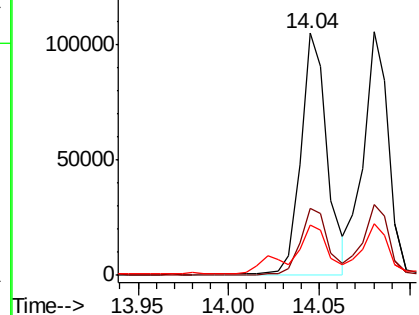
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	34.0
229	20.7	16.3	24.5

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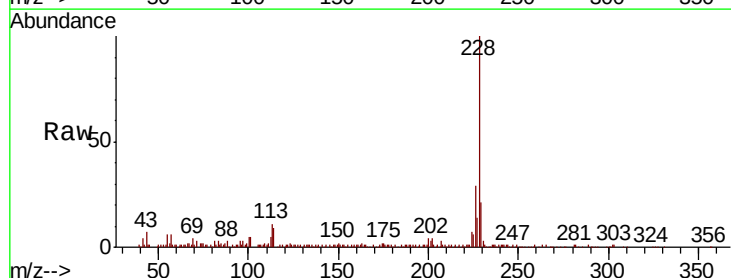


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

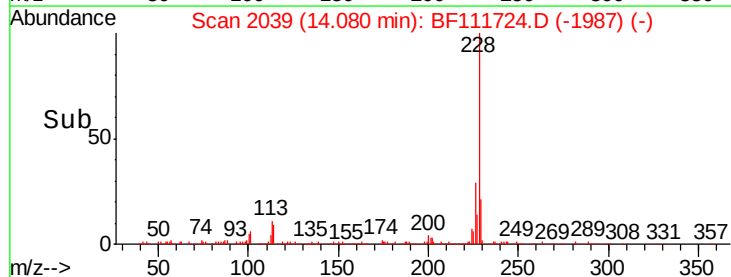
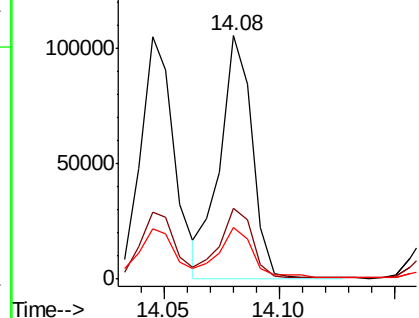


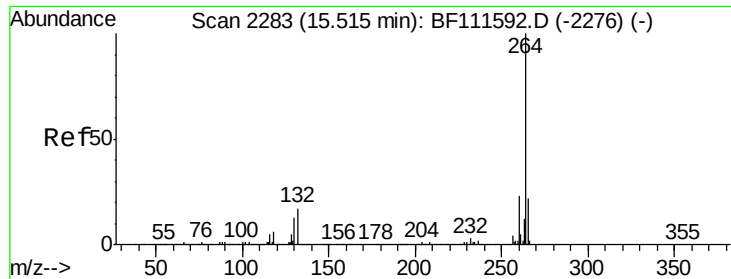
#83
Chrysene
Concen: 3.422 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.3	37.9
229	21.3	17.2	25.8



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.02 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

Instrument :

BNA_F

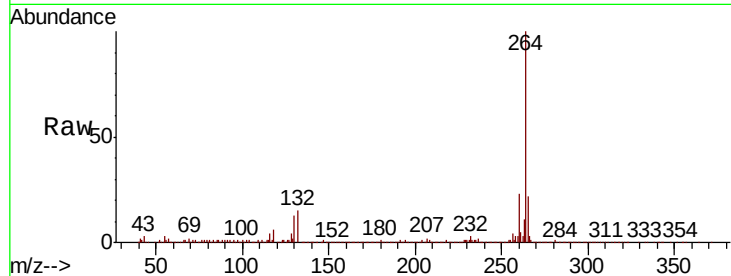
ClientSampleId :

SOIL-DRUM

Tot Ion:	264	Resp:	426637
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.3	27.5
265	22.3	17.7	26.5

Manual Integrations
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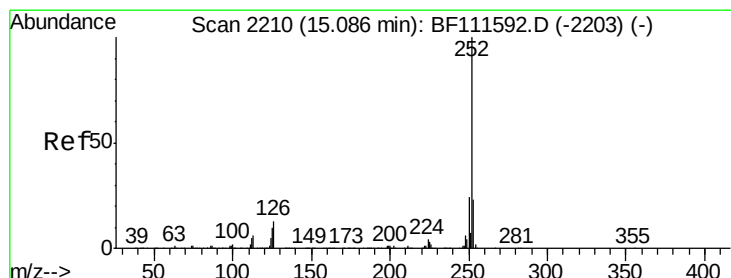
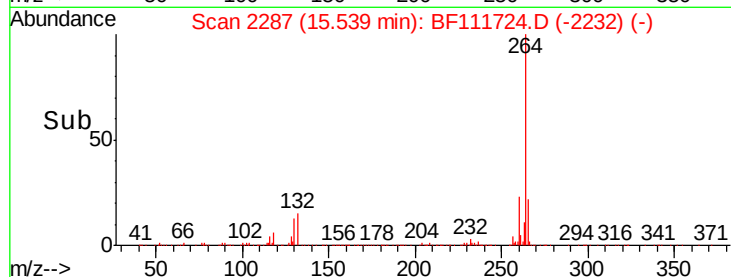
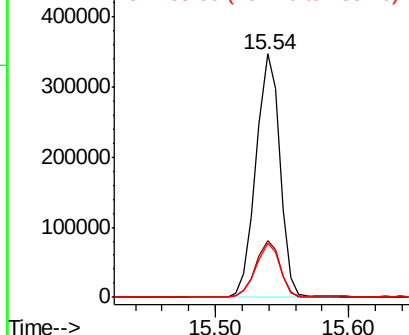


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 5.453 ng m

RT: 15.10 min Scan# 2213

Delta R.T. 0.02 min

Lab File: BF111724.D

Acq: 26 Dec 2018 20:09

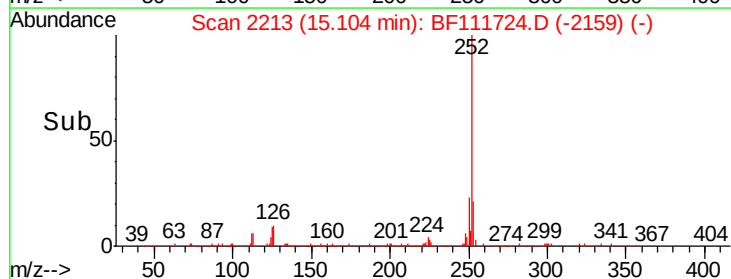
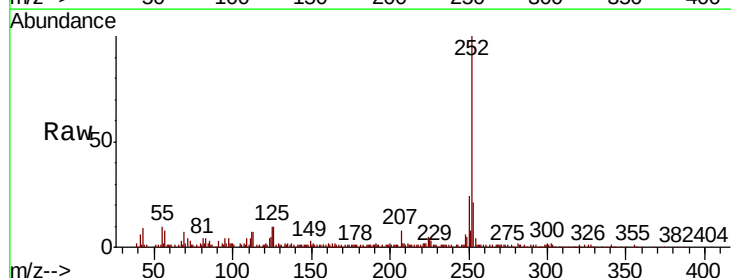
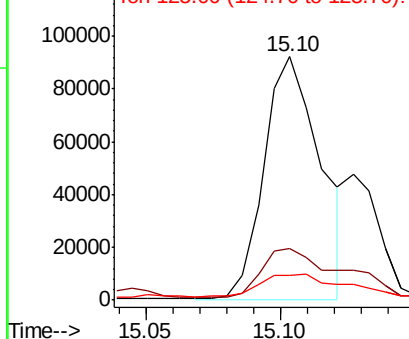
Tgt Ion:	252	Resp:	135959
Ion Ratio	Lower	Upper	
252	100		
253	21.3	18.2	27.2
125	10.4	10.4	15.6#

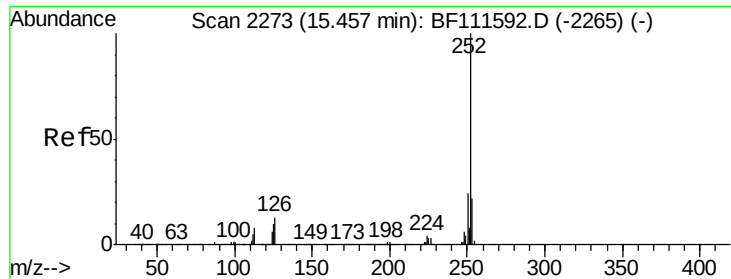
Abundance

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





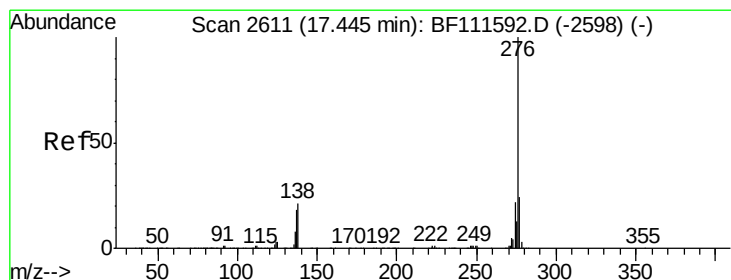
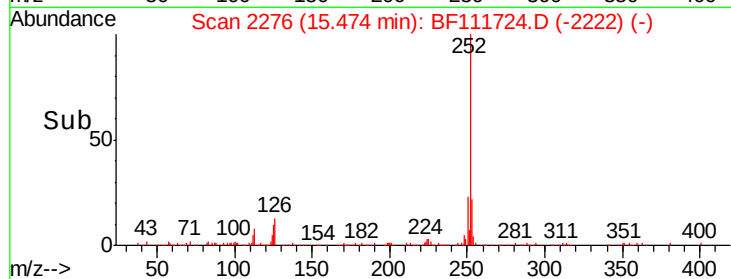
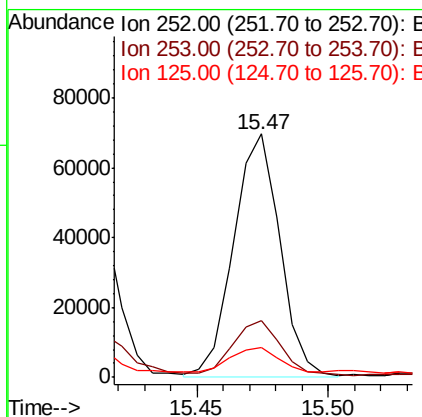
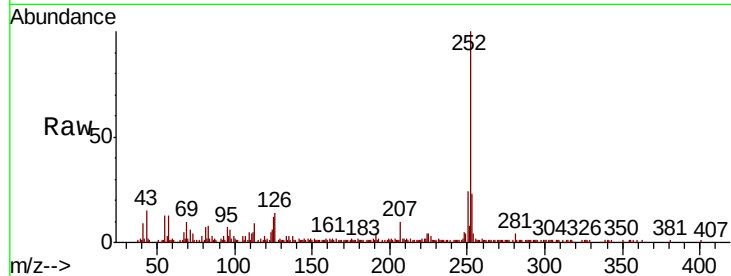
#90
Benzo(a)pyrene
Concen: 3.750 ng m
RT: 15.47 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	12.3	12.3	18.5#

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#92
Benzo(g,h,i)perylene
Concen: 2.449 ng
RT: 17.47 min Scan# 2616
Delta R.T. 0.03 min
Lab File: BF111724.D
Acq: 26 Dec 2018 20:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.2	28.8
138	20.8	24.9	37.3#

