

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110174.D
 Acq On : 25 Oct 2018 21:34
 Operator : JU/SJ
 Sample : J5625-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-04

Manual Integrations
 APPROVED

Sohil
 10/26/2018 3:49:24 PM

Quant Time: Oct 26 05:00:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	143786	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	568569	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	244118	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	364977	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	261436	20.00	ng	-0.02
87) Perylene-d12	15.67	264	227524	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	793267	89.84	ng	0.00
7) Phenol-d6	6.59	99	1023469	90.62	ng	-0.01
23) Nitrobenzene-d5	7.53	82	647820	67.58	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	183348	75.82	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	1045469	67.25	ng	-0.02
79) Terphenyl-d14	13.09	244	674428	53.65	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	117023	9.694	ng	Qvalue # 69
31) Naphthalene	8.27	128	55645	2.123	ng	99
50) Dimethylphthalate	9.72	163	203238	11.278	ng	99
71) Phenanthrene	11.52	178	116157	6.082	ng	98
75) Fluoranthene	12.72	202	196972	10.163	ng	100
78) Pyrene	12.94	202	217746	11.618	ng	96
80) Butylbenzylphthalate	13.55	149	16281	2.001	ng	99
81) Benzo(a)anthracene	14.13	228	118349	7.634	ng	93
83) Chrysene	14.17	228	122879	8.345	ng	100
84) Bis(2-ethylhexyl)phthalate	14.10	149	22998	2.091	ng	# 94
86) Indeno(1,2,3-cd)pyrene	17.23	276	53950	4.416	ng	92
88) Benzo(b)fluoranthene	15.22	252	176437m	13.429	ng	
89) Benzo(k)fluoranthene	15.24	252	40511m	3.136	ng	
90) Benzo(a)pyrene	15.60	252	95526	7.901	ng	# 96
92) Benzo(a,h,i)perylene	17.70	276	54998	5.350	ng	96

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

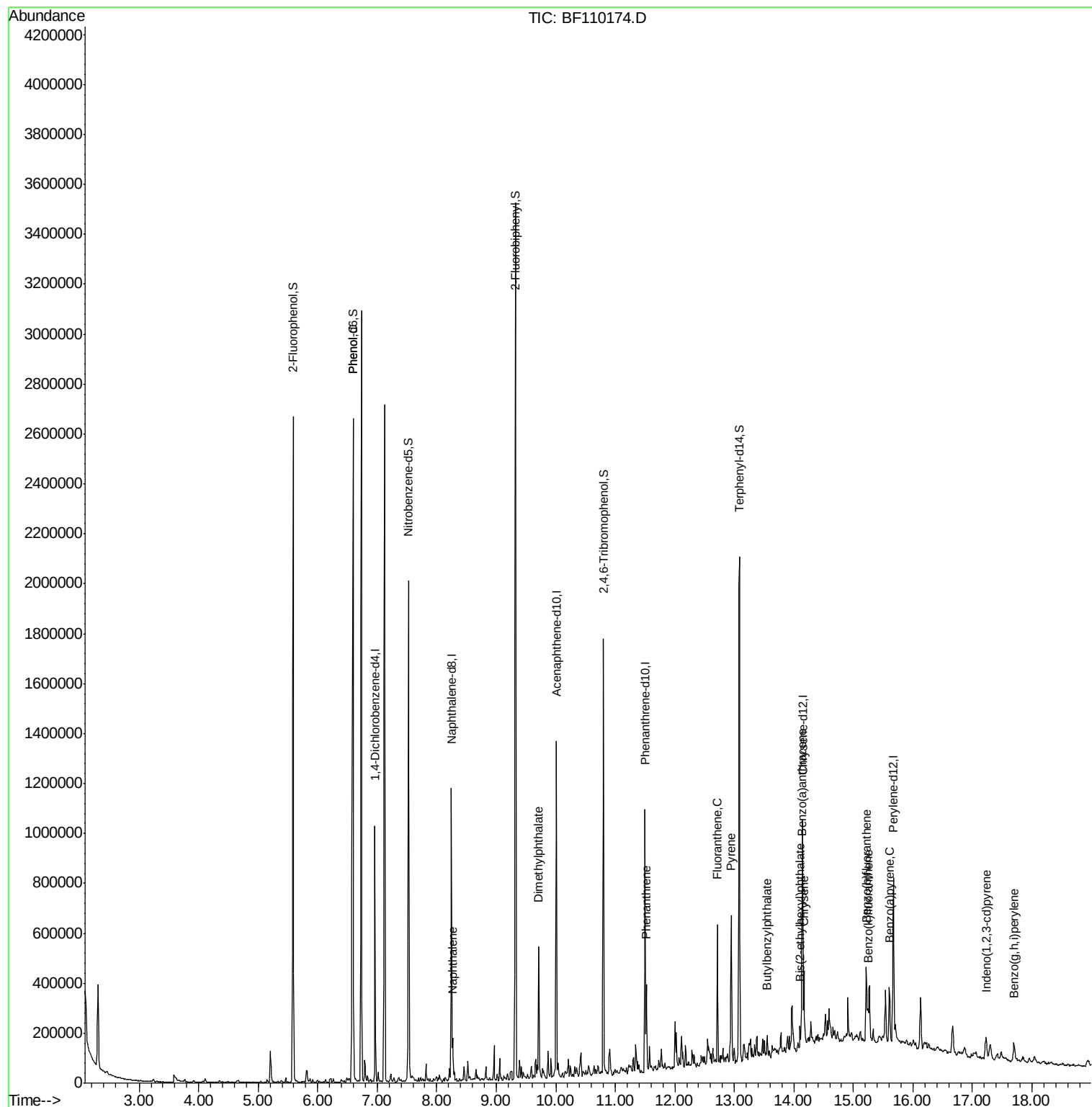
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110174.D
Acq On : 25 Oct 2018 21:34
Operator : JU/SJ
Sample : J5625-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

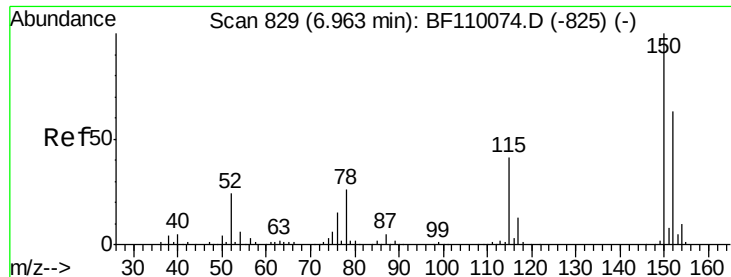
Instrument :
BNA_F
ClientSampleId :
DW-04

Manual Integrations
APPROVED

Sohil
10/26/2018 3:49:24 PM

Quant Time: Oct 26 05:00:32 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration





#1

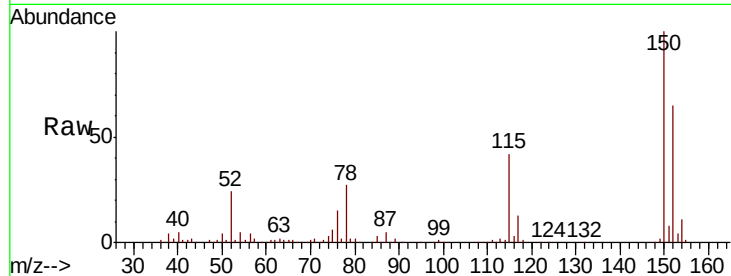
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Instrument :
BNA_F
ClientSampleId :
DW-04

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	122.7	184.1
115	64.5	49.1	73.7

Manual Integrations
APPROVED

Sohil
10/26/2018 3:49:24 PM

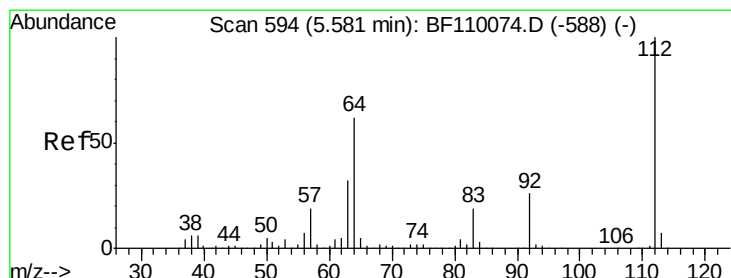
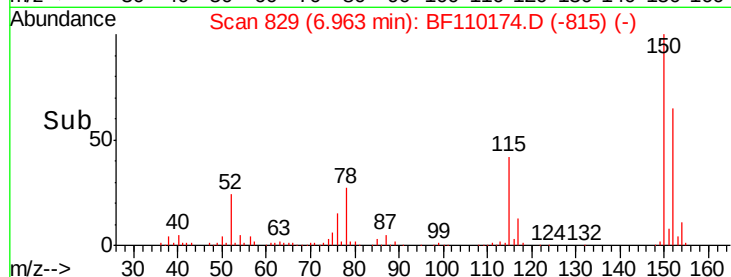
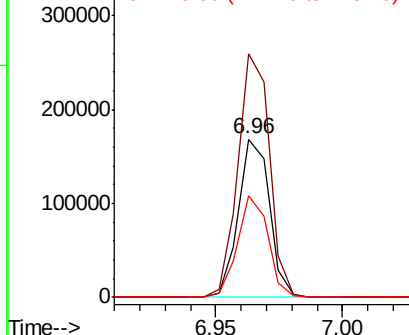


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

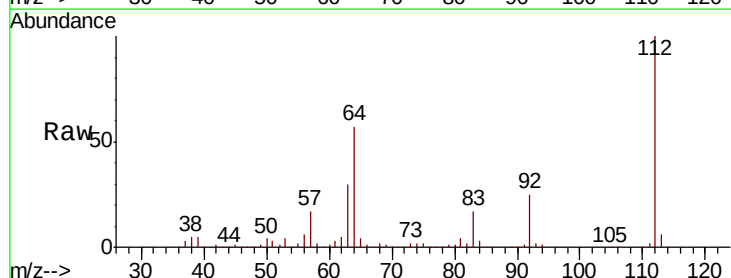
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.842 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	44.1	66.1
63	30.0	23.7	35.5

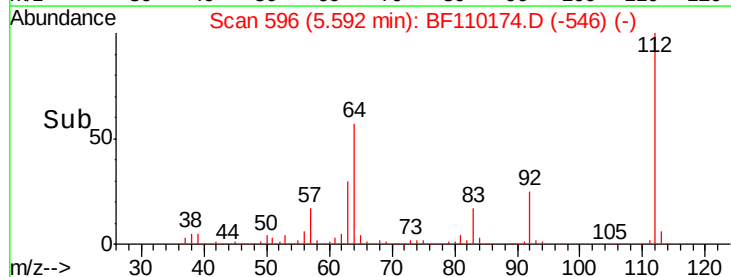
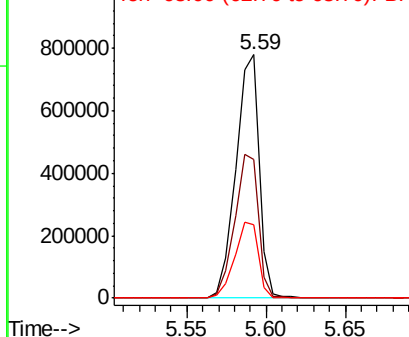


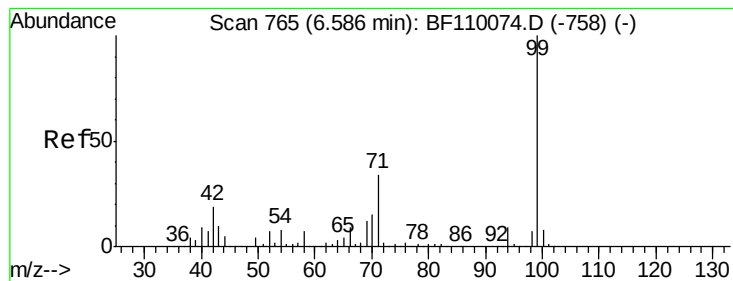
Abundance

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: 90.623 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110174.D

Acq: 25 Oct 2018 21:34

Instrument :

BNA_F

ClientSampleId :

DW-04

Tot Ion: 99 Resp: 1023469

Ion Ratio Lower Upper

99 100

42 18.1 15.8 23.6

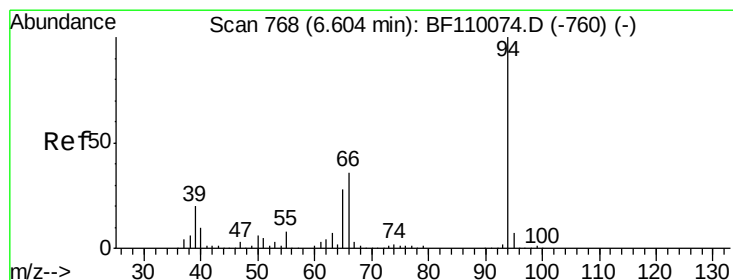
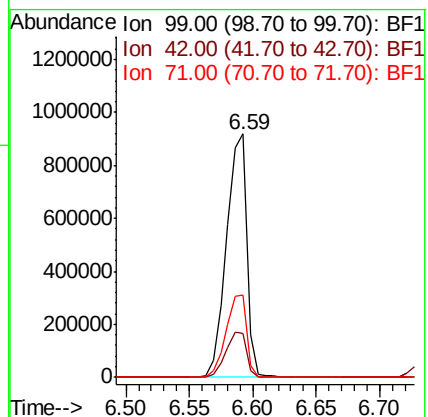
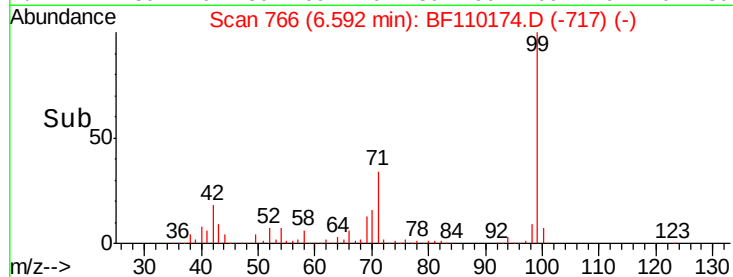
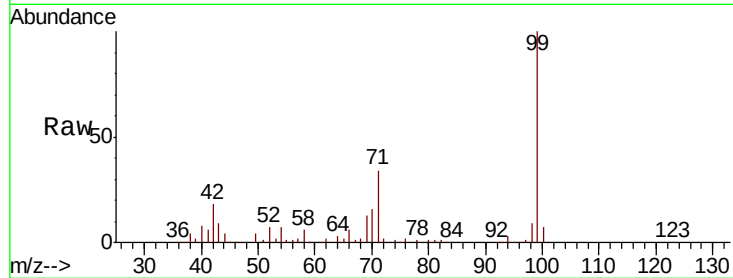
71 33.6 28.0 42.0

Manual Integrations

APPROVED

Sohil

10/26/2018 3:49:24 PM



#10

Phenol

Concen: 9.694 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF110174.D

Acq: 25 Oct 2018 21:34

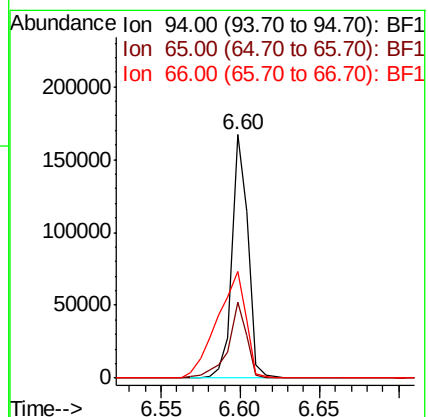
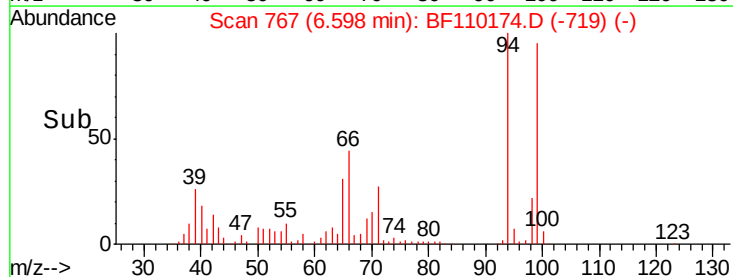
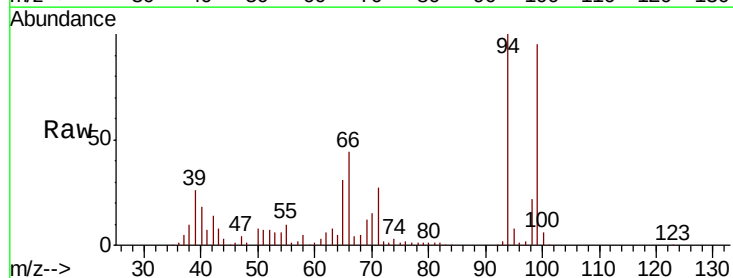
Tgt Ion: 94 Resp: 117023

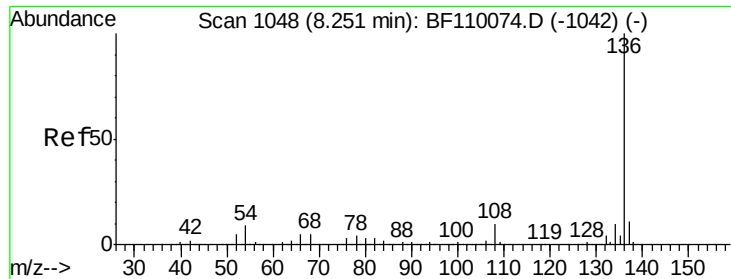
Ion Ratio Lower Upper

94 100

65 31.2 25.3 65.3

66 43.6 54.5 94.5#





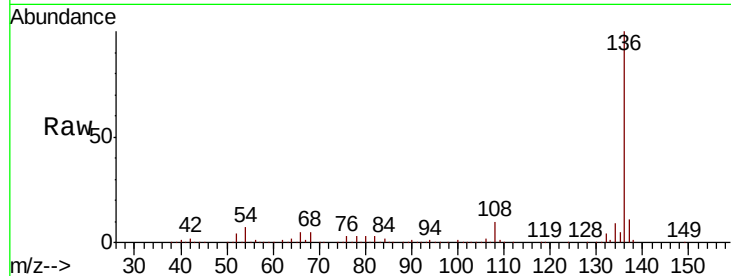
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Instrument :
BNA_F
ClientSampleId :
DW-04

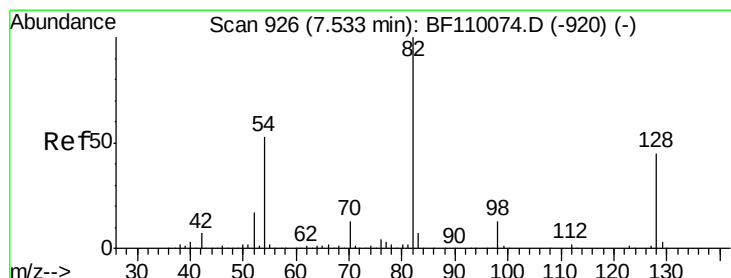
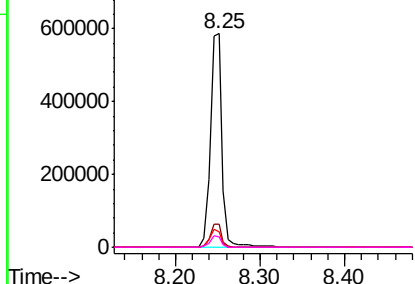
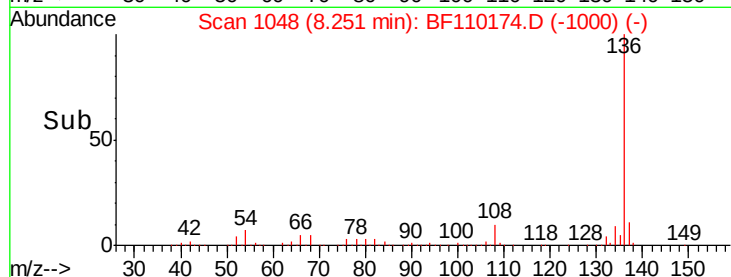
Tot Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.0	5.4	8.2
68	5.0	4.2	6.2

Manual Integrations
APPROVED

Sohil
10/26/2018 3:49:24 PM

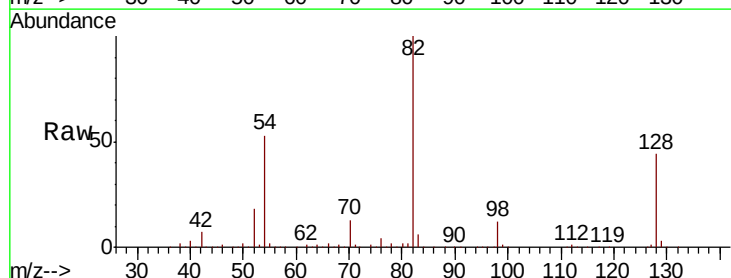


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

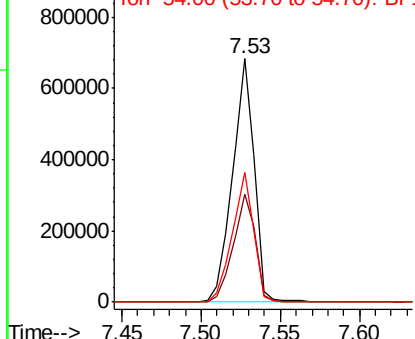
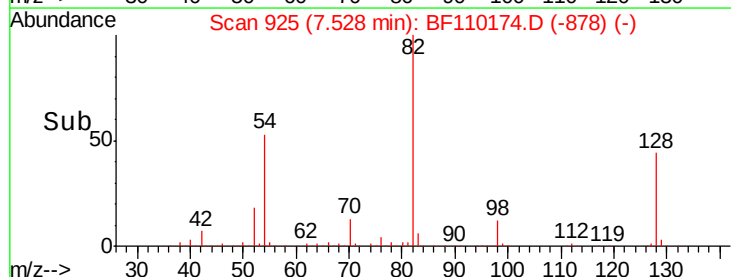


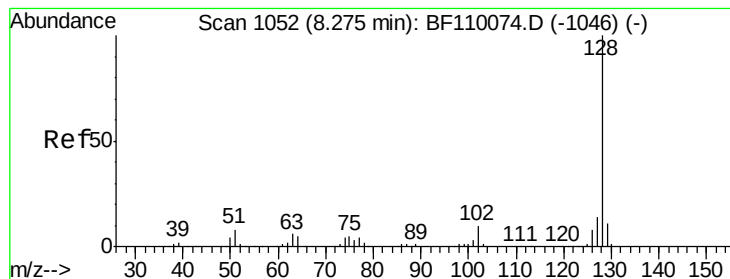
#23
Nitrobenzene-d5
Concen: 67.581 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.2	34.2	51.2
54	53.4	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





#31

Naphthalene

Concen: 2.123 ng

RT: 8.27 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF110174.D

Acq: 25 Oct 2018 21:34

Instrument :

BNA_F

ClientSampleId :

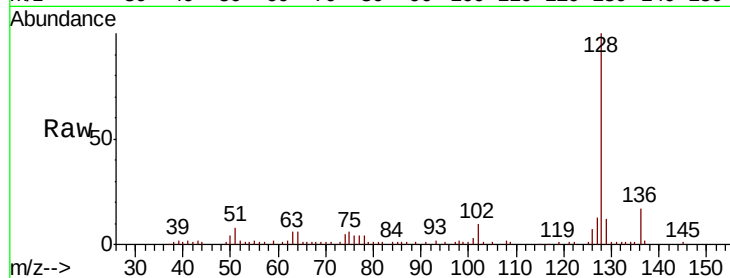
DW-04

Tot Ion:	128	Resp:	55645
Ion Ratio	Lower	Upper	
128	100		
129	11.9	8.8	13.2
127	13.2	10.8	16.2

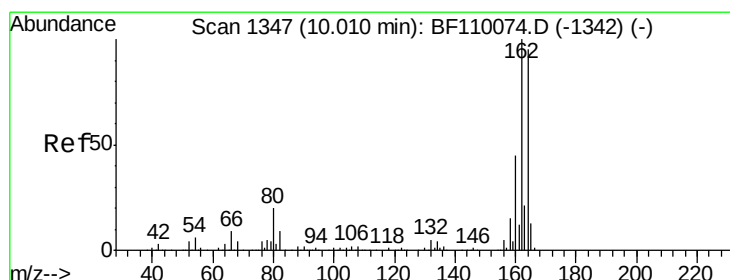
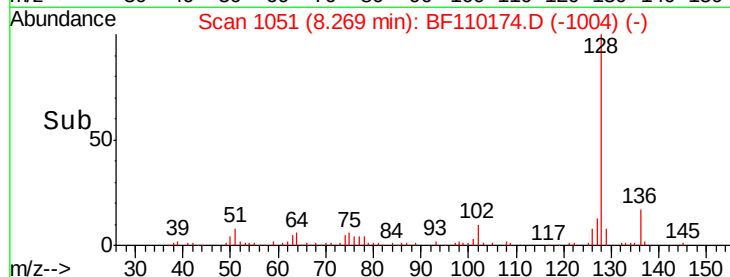
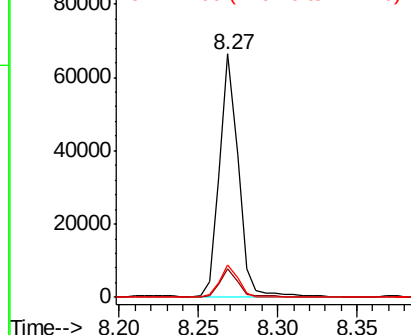
Manual Integrations
APPROVED

Sohil

10/26/2018 3:49:24 PM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

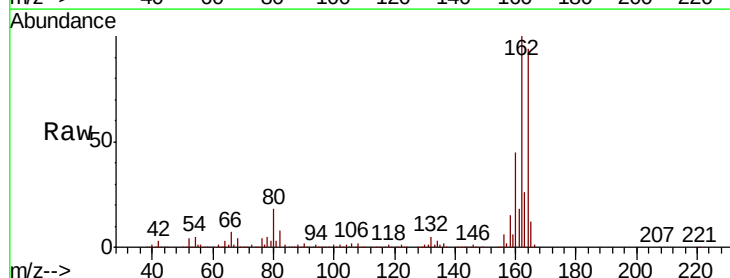
RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

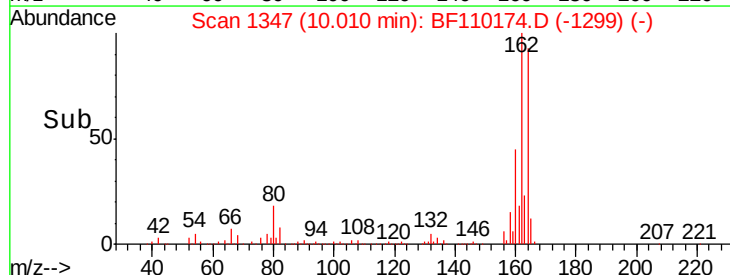
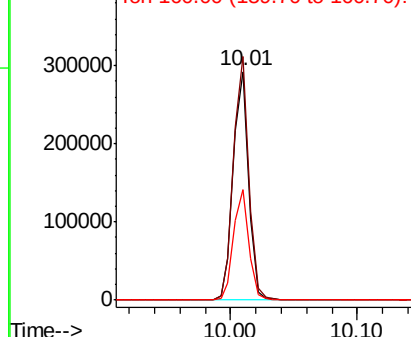
Lab File: BF110174.D

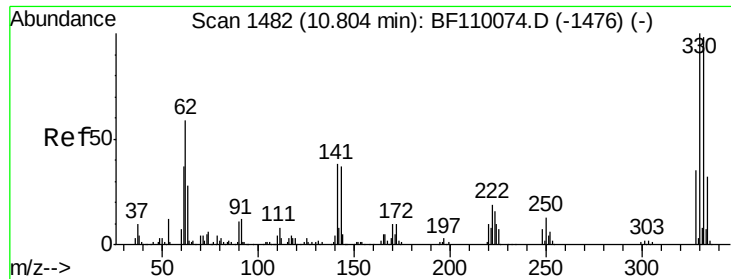
Acq: 25 Oct 2018 21:34

Tgt Ion:	164	Resp:	244118
Ion Ratio	Lower	Upper	
164	100		
162	106.4	83.0	124.6
160	48.1	37.0	55.6



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





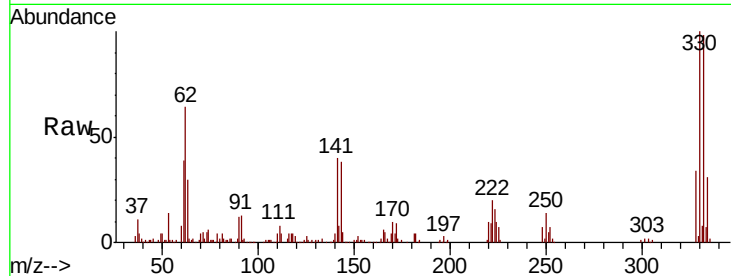
#42
 2,4,6-Tribromophenol
 Concen: 75.822 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110174.D
 Acq: 25 Oct 2018 21:34

Instrument :
 BNA_F
 ClientSampled :
 DW-04

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	37.8	27.0	40.4

Manual Integrations
 APPROVED

Sohil
 10/26/2018 3:49:24 PM

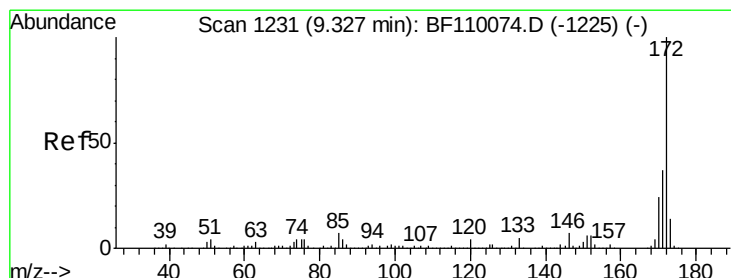
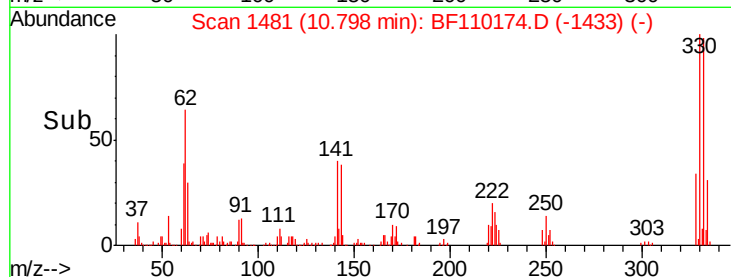
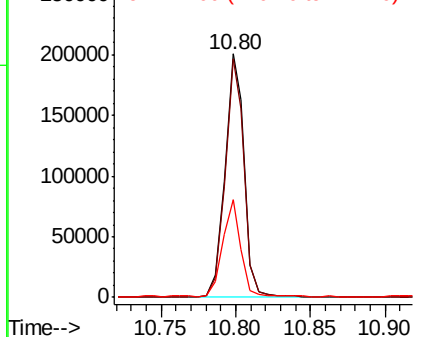


Abundance

Ion 329.80 (329.50 to 330.50): E

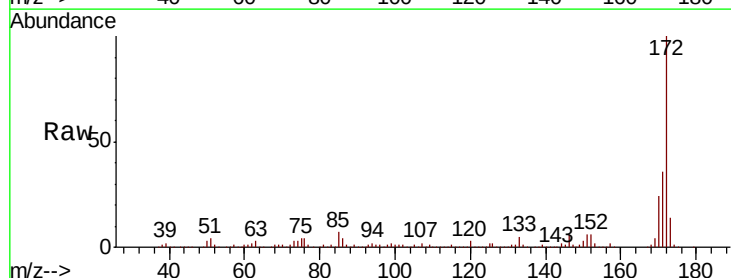
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 67.248 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: BF110174.D
 Acq: 25 Oct 2018 21:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	24.3	19.7	29.5

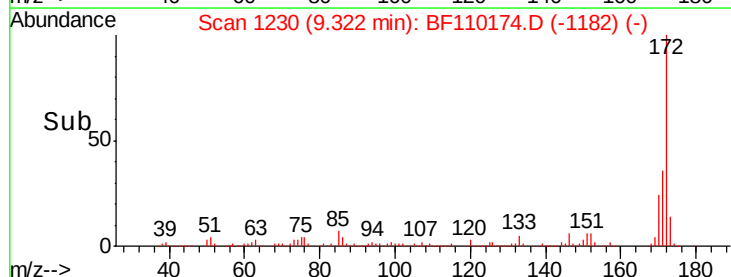
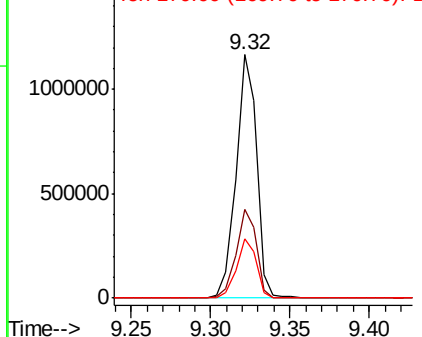


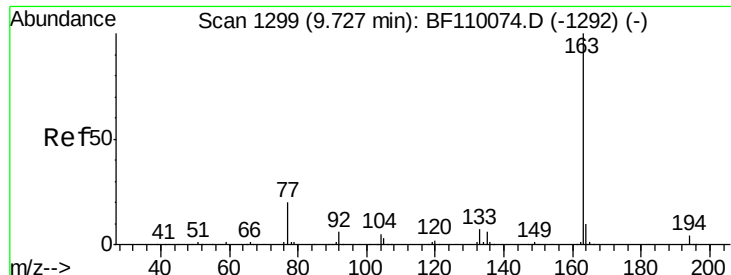
Abundance

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





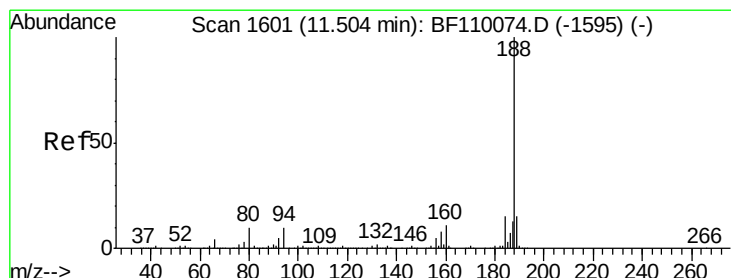
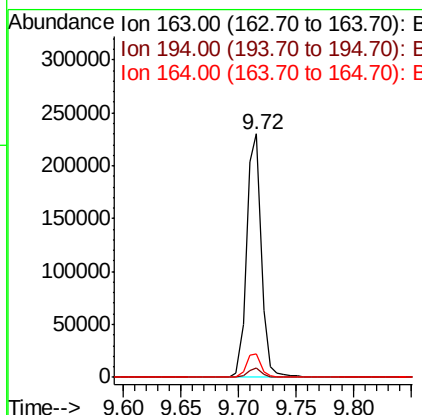
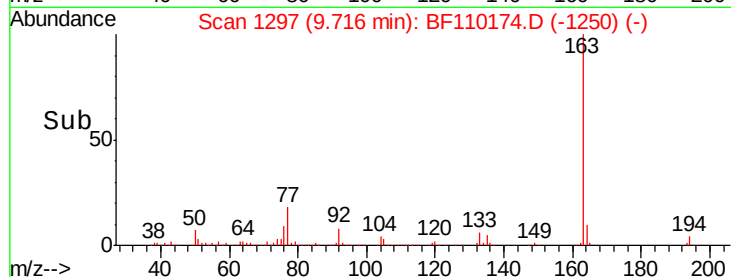
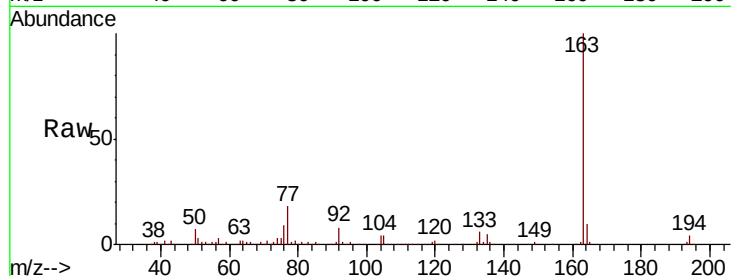
#50
Dimethylphthalate
Concen: 11.278 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Instrument :
BNA_F
ClientSampleId :
DW-04

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.0	3.2	4.8	
164	9.7	8.1	12.1	

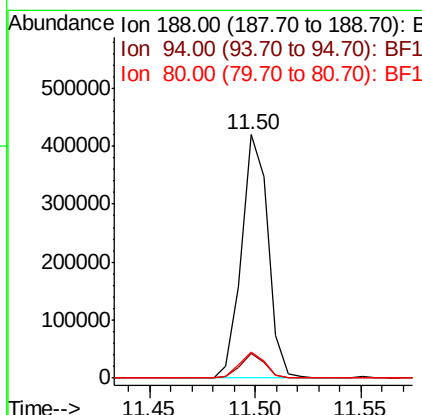
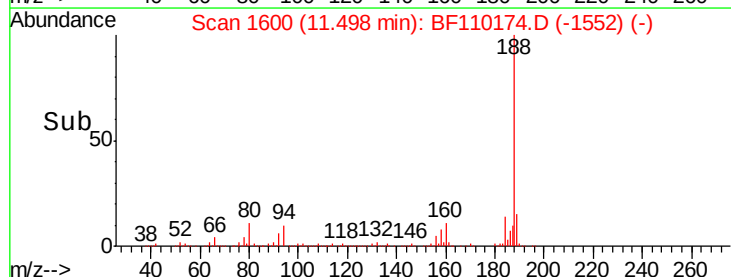
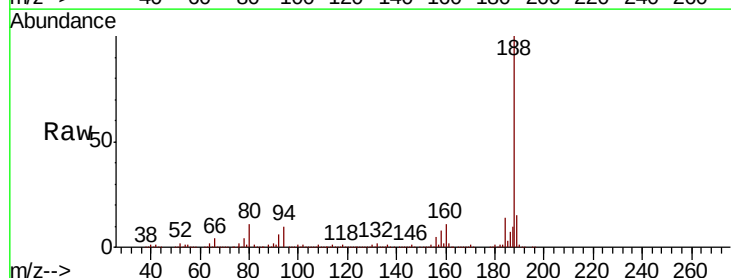
Manual Integrations
APPROVED

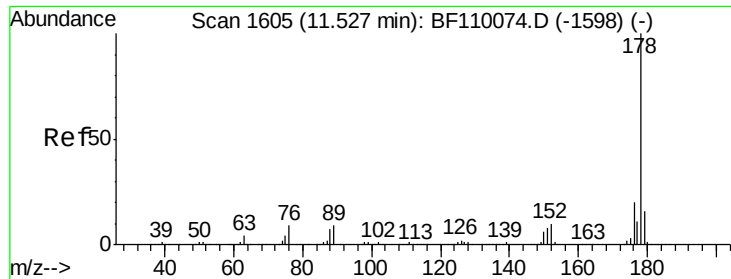
Sohil
10/26/2018 3:49:24 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.1	7.2	10.8	
80	10.6	7.9	11.9	





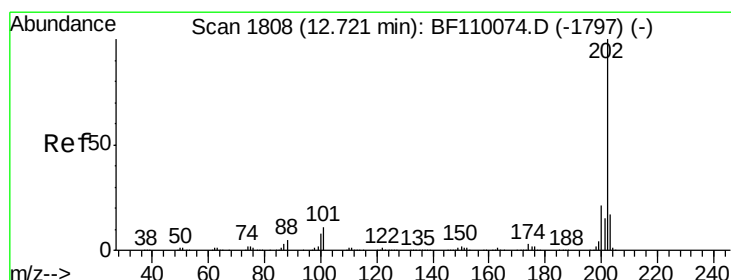
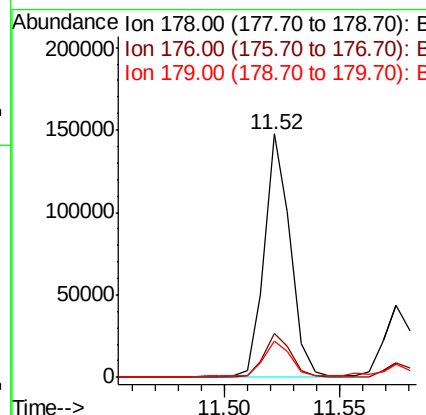
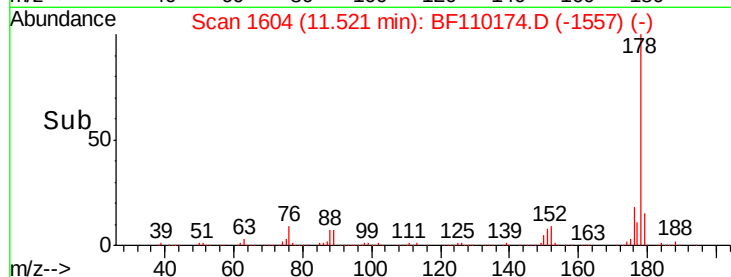
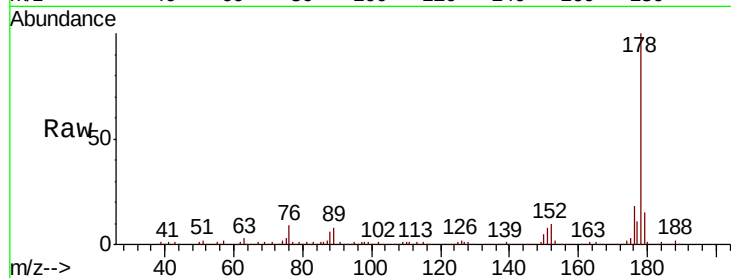
#71
Phenanthrene
Concen: 6.082 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Instrument :
BNA_F
ClientSampled :
DW-04

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.5	23.3
179	15.1	12.5	18.7

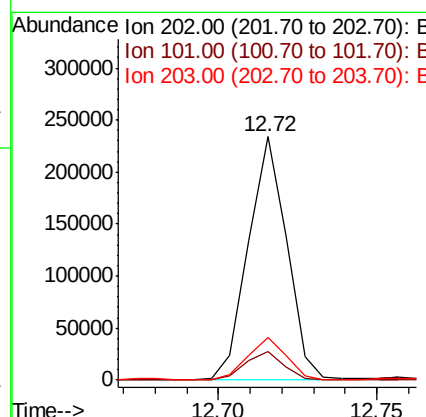
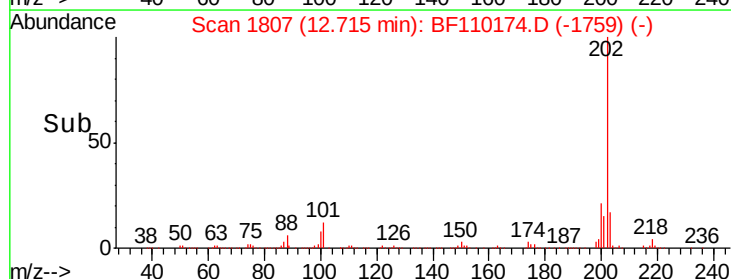
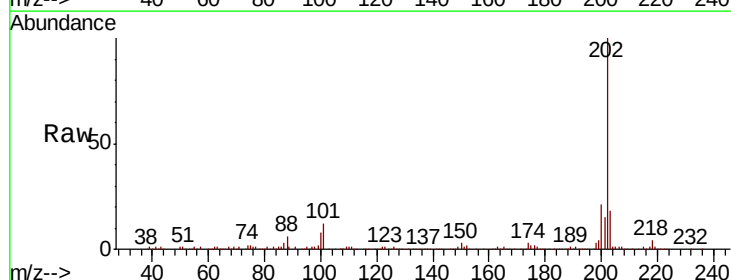
Manual Integrations
APPROVED

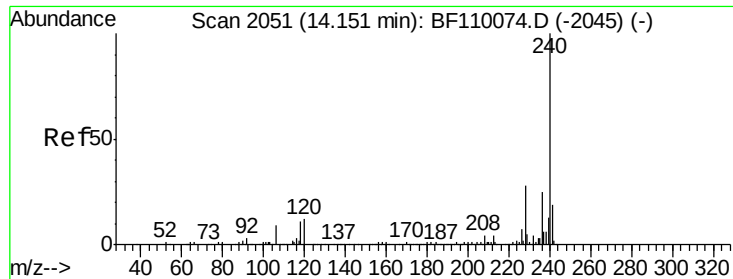
Sohil
10/26/2018 3:49:24 PM



#75
Fluoranthene
Concen: 10.163 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.4
203	17.6	0.0	37.7





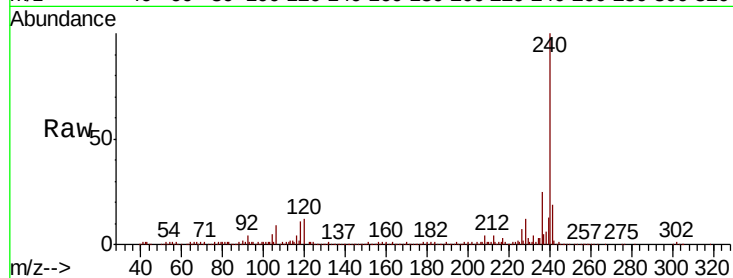
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Instrument :
BNA_F
ClientSampled :
DW-04

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	8.3	12.5
236	24.7	21.2	31.8

Manual Integrations
APPROVED

Sohil
10/26/2018 3:49:24 PM

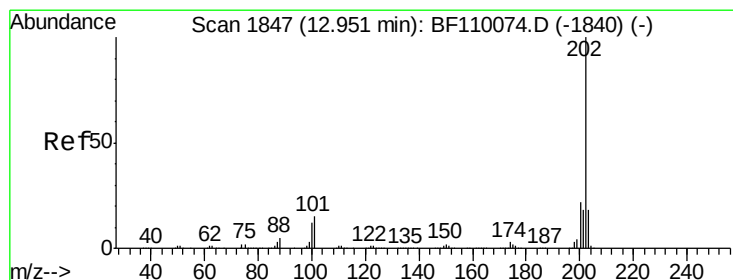
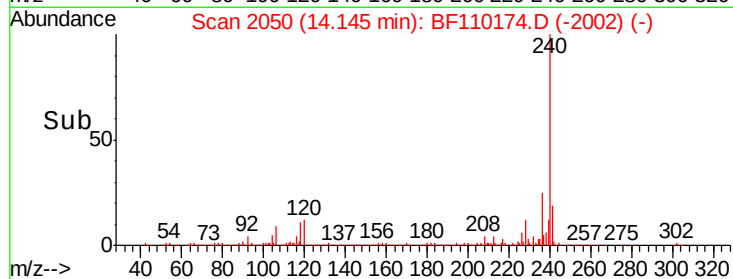
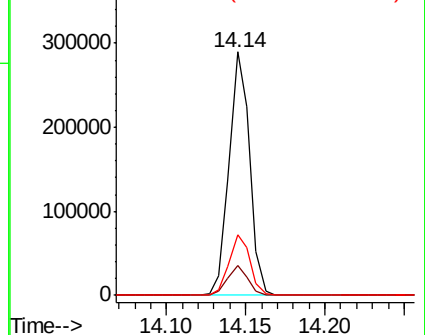


Abundance

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
Pyrene
Concen: 11.618 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

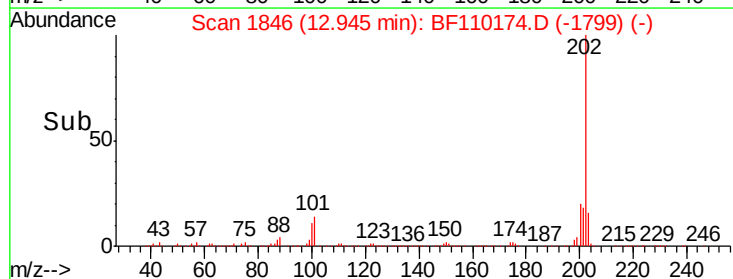
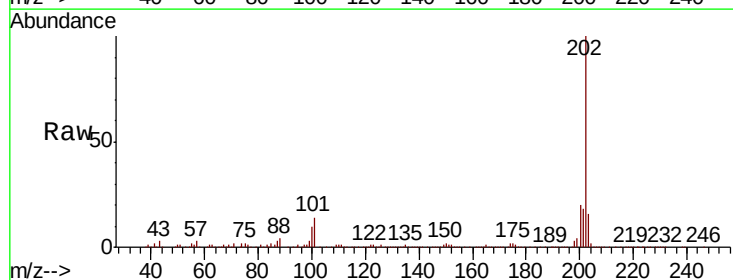
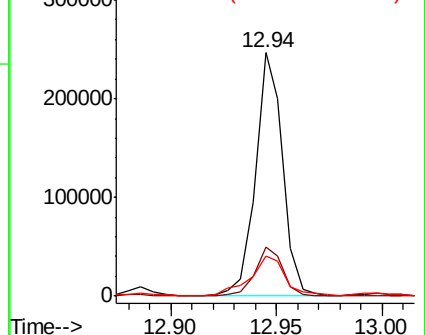
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.8	26.6
203	16.4	14.2	21.4

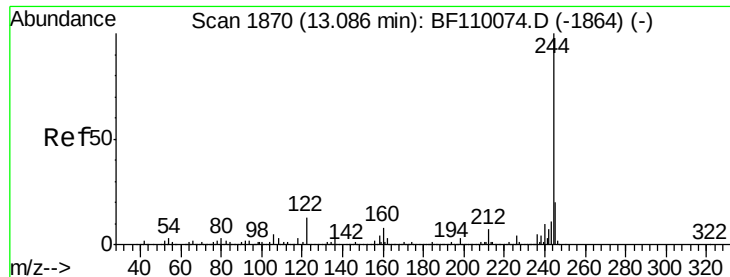
Abundance

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





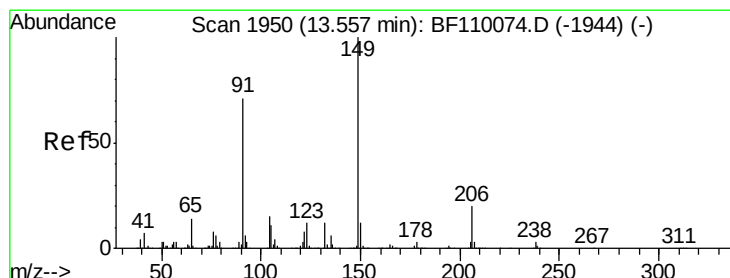
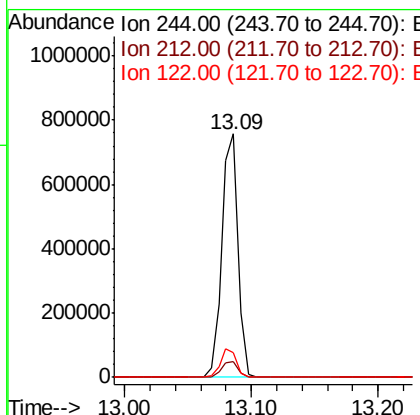
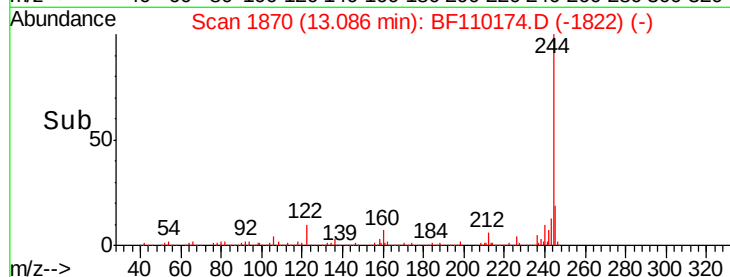
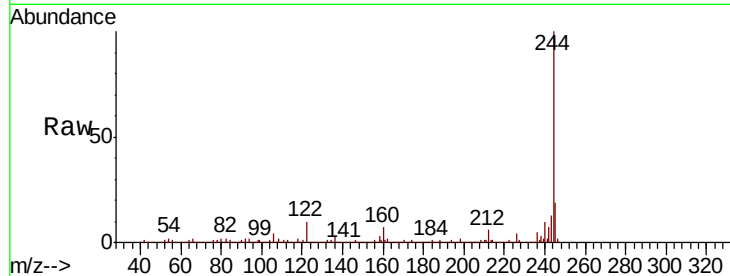
#79
 Terphenyl-d14
 Concen: 53.650 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110174.D
 Acq: 25 Oct 2018 21:34

Instrument :
 BNA_F
 ClientSampled :
 DW-04

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	10.4	8.7	13.1

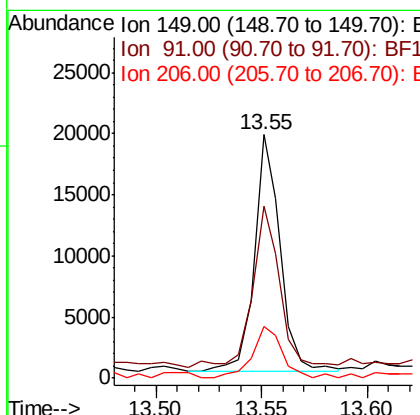
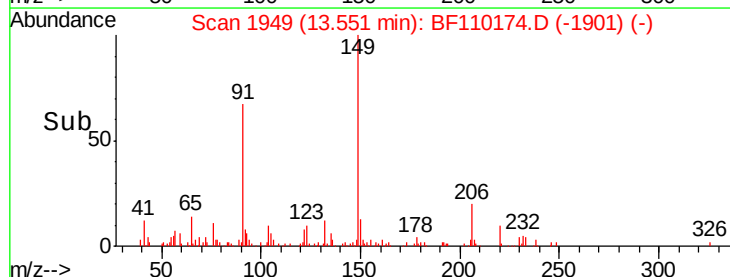
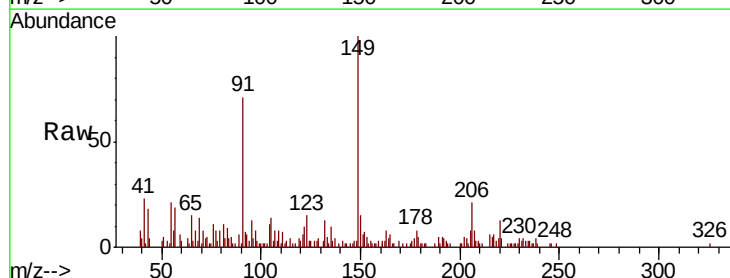
Manual Integrations
 APPROVED

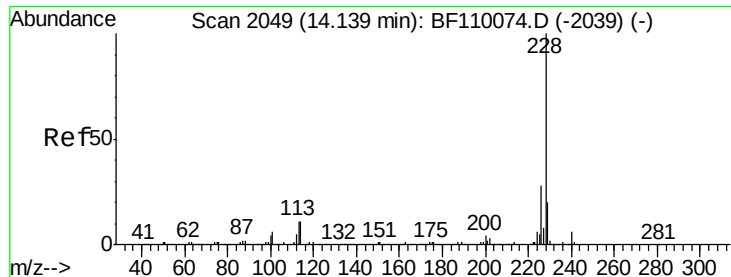
Sohil
 10/26/2018 3:49:24 PM



#80
 Butylbenzylphthalate
 Concen: 2.001 ng
 RT: 13.55 min Scan# 1949
 Delta R.T. -0.02 min
 Lab File: BF110174.D
 Acq: 25 Oct 2018 21:34

Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.8	57.2	85.8
206	21.1	15.7	23.5





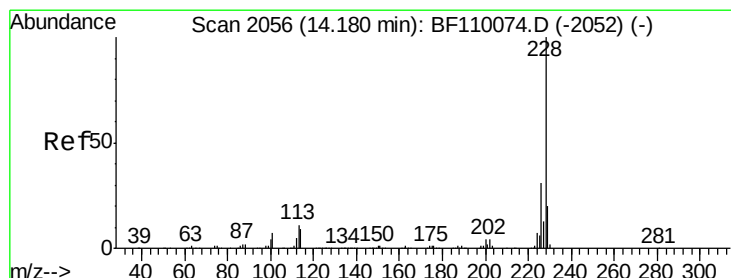
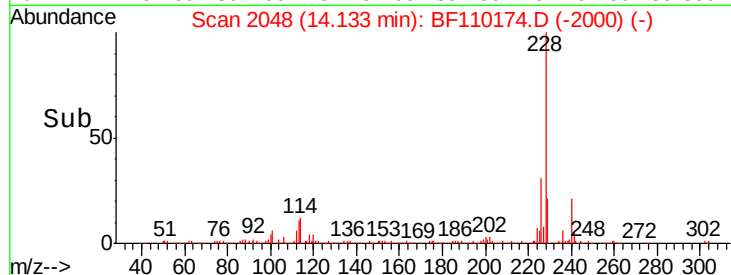
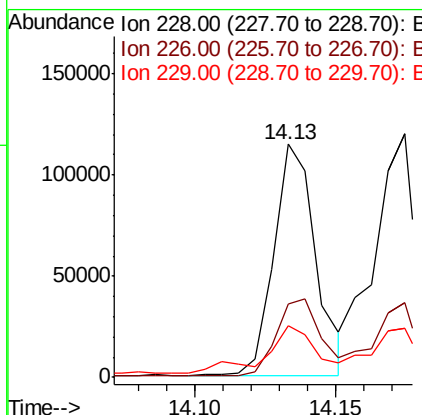
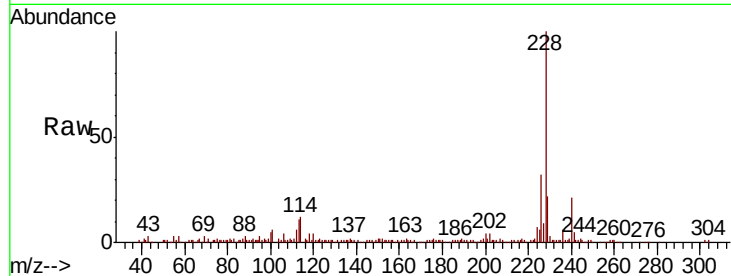
#81
Benzo(a)anthracene
Concen: 7.634 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Instrument :
BNA_F
ClientSampled :
DW-04

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.1	33.1
229	22.2	15.6	23.4

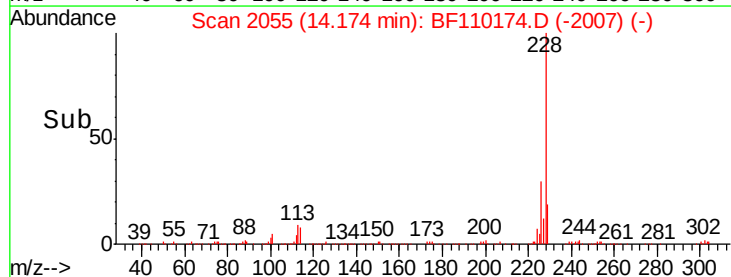
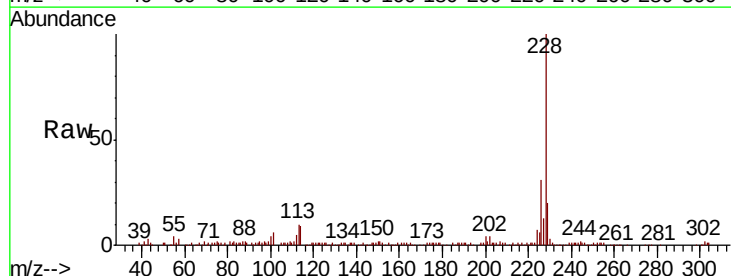
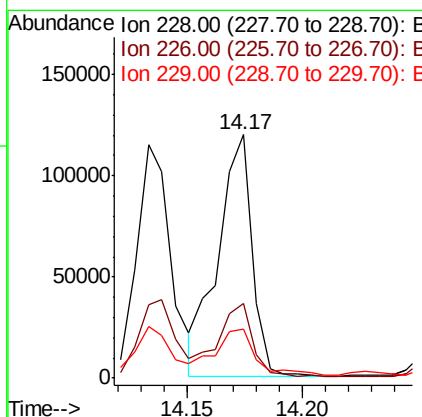
Manual Integrations
APPROVED

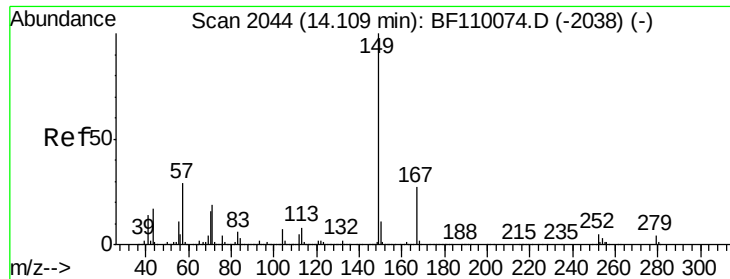
Sohil
10/26/2018 3:49:24 PM



#83
Chrysene
Concen: 8.345 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	20.2	15.9	23.9





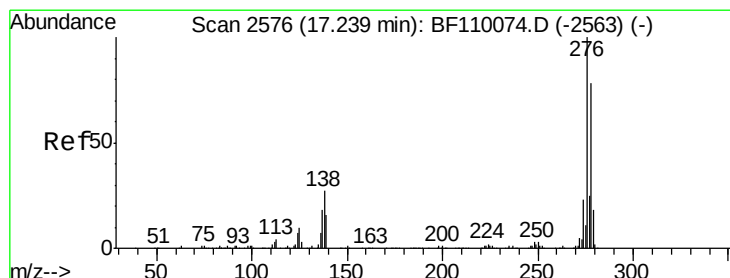
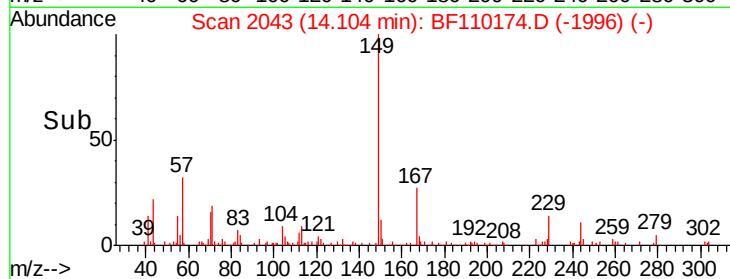
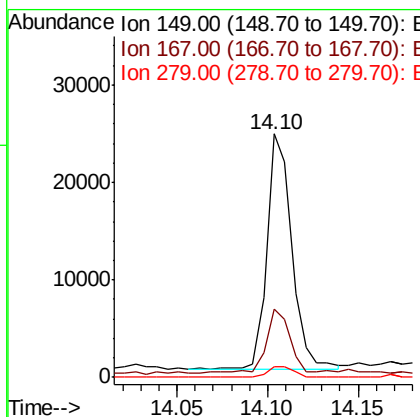
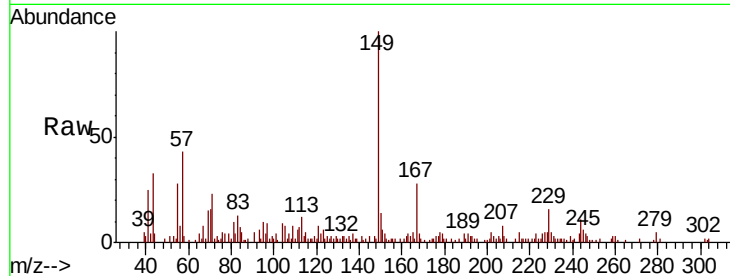
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.091 ng
 RT: 14.10 min Scan# 2043
 Delta R.T. -0.02 min
 Lab File: BF110174.D
 Acq: 25 Oct 2018 21:34

Instrument :
 BNA_F
 ClientSampleId :
 DW-04

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.8	19.8	29.8
279	4.6	2.7	4.1#

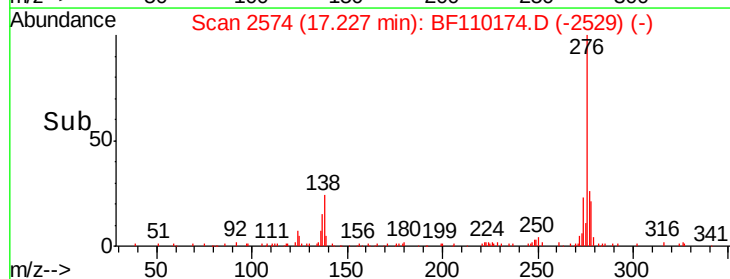
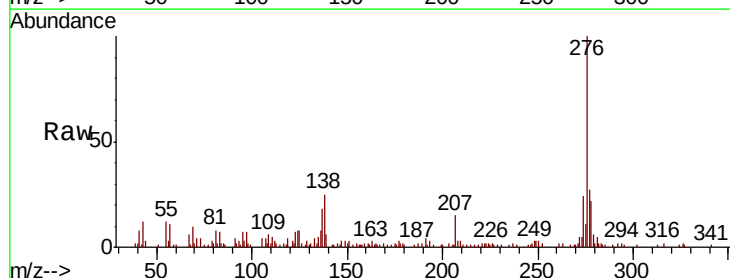
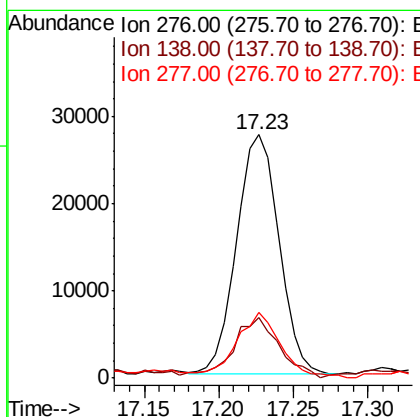
Manual Integrations
 APPROVED

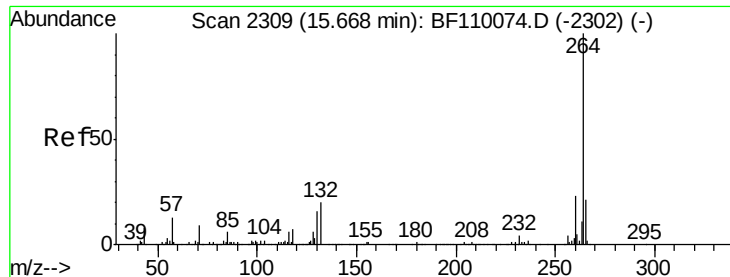
Sohil
 10/26/2018 3:49:24 PM



#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.416 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. -0.04 min
 Lab File: BF110174.D
 Acq: 25 Oct 2018 21:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.7	18.5	27.7
277	28.7	20.0	30.0





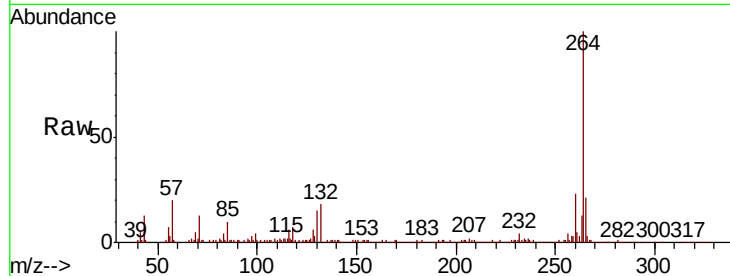
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Instrument :
BNA_F
ClientSampleID :
DW-04

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.4	16.7	25.1

Manual Integrations
APPROVED

Sohil
10/26/2018 3:49:24 PM

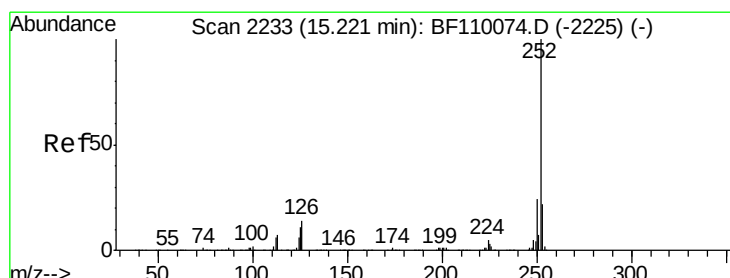
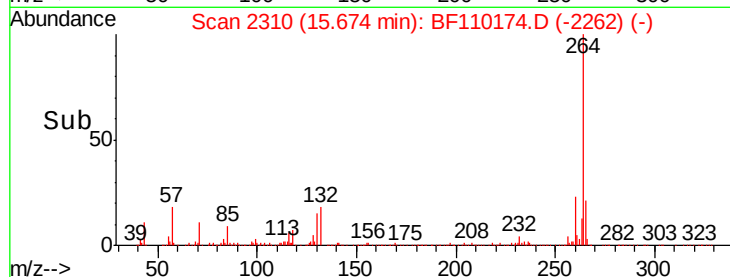
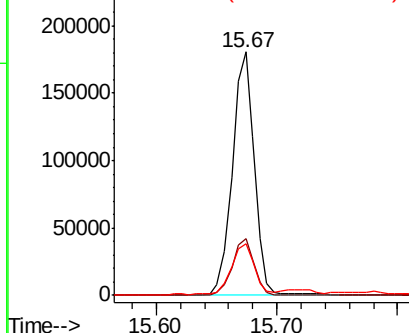


Abundance

Ion 264.00 (263.70 to 264.70): E

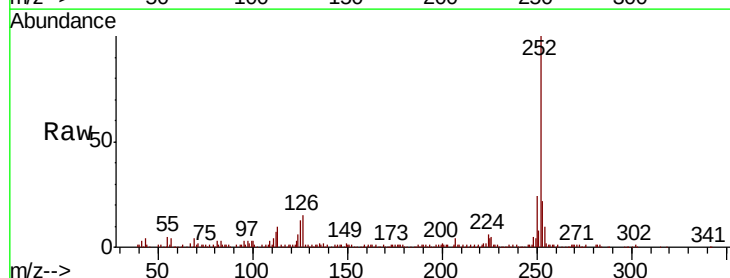
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 13.429 ng m
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	13.1	8.2	12.4#

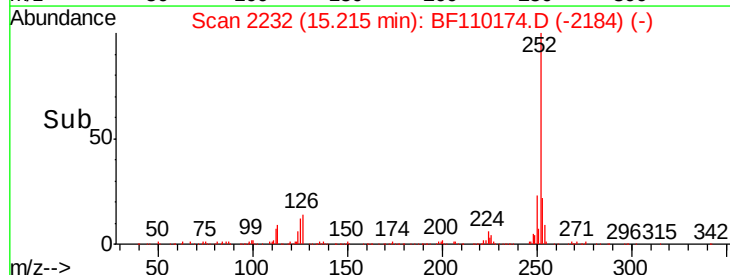
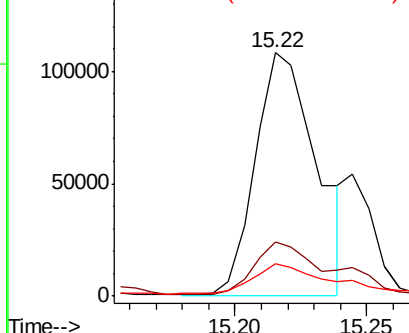


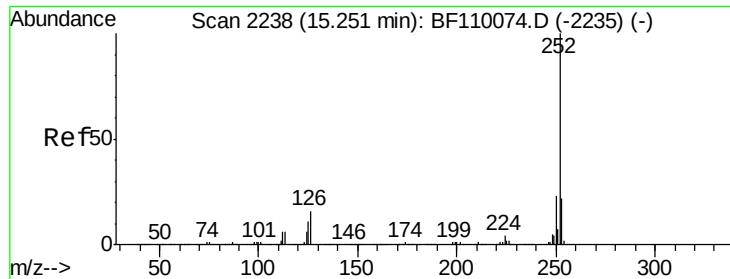
Abundance

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





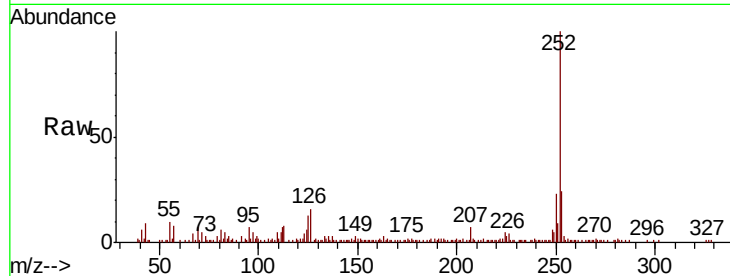
#89
Benzo(k)fluoranthene
Concen: 3.136 ng/mL
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

Instrument :
BNA_F
ClientSampleID :
DW-04

Tot Ion:	252	Resp:	40511
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.2	25.8
125	12.7	7.4	11.0#

Manual Integrations
APPROVED

Sohil
10/26/2018 3:49:24 PM

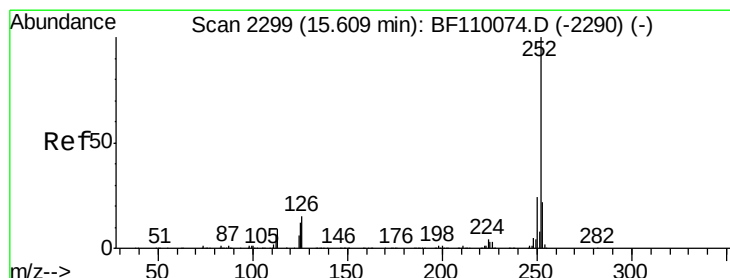
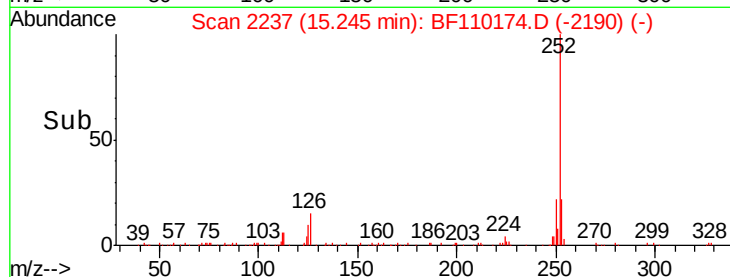
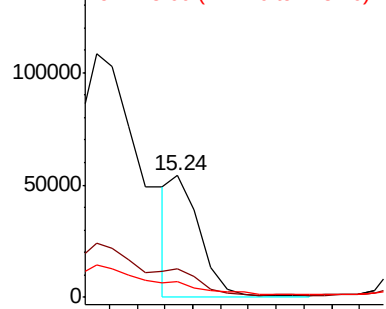


Abundance

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: 7.901 ng/mL
RT: 15.60 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BF110174.D
Acq: 25 Oct 2018 21:34

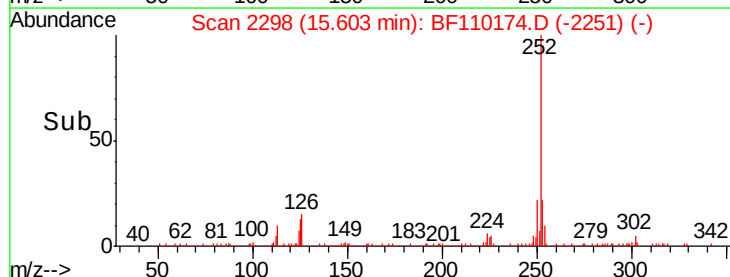
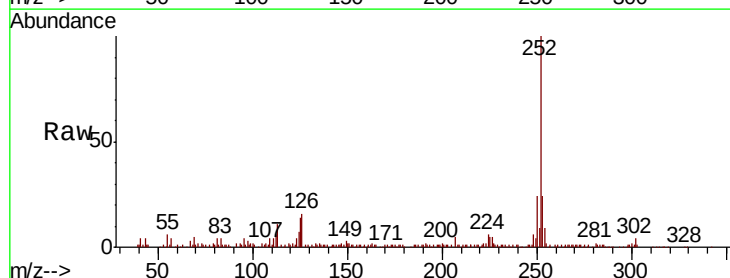
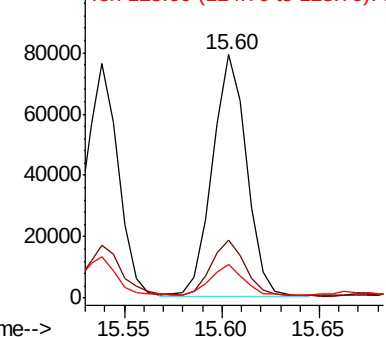
Tgt Ion:	252	Resp:	95526
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.2	27.4
125	14.0	9.0	13.6#

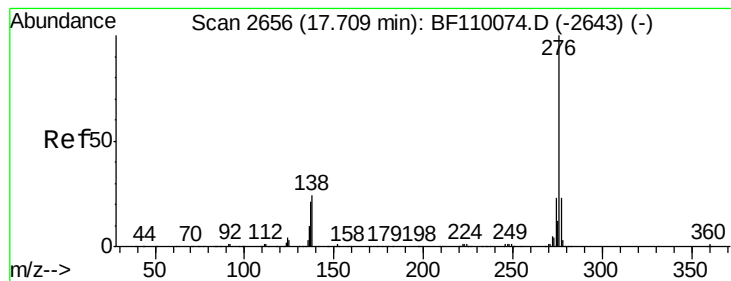
Abundance

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





#92

Benzo(a,h,i)perylene

Concen: 5.350 ng

RT: 17.70 min Scan# 2655

Delta R.T. -0.04 min

Lab File: BF110174.D

Acq: 25 Oct 2018 21:34

Instrument :

BNA_F

ClientSampleId :

DW-04

Tot Ion:	276	Resp:	54998
Ion Ratio		Lower	Upper
276	100		
277	23.9	18.8	28.2
138	23.5	16.0	24.0

Manual Integrations
APPROVED

Sohil
10/26/2018 3:49:24 PM

