

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110518\
 Data File : BF110470.D
 Acq On : 5 Nov 2018 17:36
 Operator : JU/SJ
 Sample : J5812-29
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP4-B

Manual Integrations
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Sohil
 11/6/2018 1:19:15 PM

Quant Time: Nov 06 10:25:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	91520	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	381529	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	186520	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	333187	20.00	ng	0.00
76) Chrysene-d12	14.13	240	189336	20.00	ng	0.00
87) Perylene-d12	15.66	264	161178	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	797965	141.99	ng	0.01
7) Phenol-d6	6.59	99	1031748	143.53	ng	0.00
23) Nitrobenzene-d5	7.52	82	666784	103.66	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	264103	142.94	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	1134085	95.48	ng	0.00
79) Terphenyl-d14	13.07	244	979335	107.57	ng	0.00
Target Compounds						
10) Phenol	6.59	94	70894	9.226	ng	76
50) Dimethylphthalate	9.70	163	176034	12.785	ng	99
58) Fluorene	10.55	166	32503	2.639	ng	99
71) Phenanthrene	11.51	178	253686	14.551	ng	98
72) Anthracene	11.56	178	120855	6.916	ng	98
75) Fluoranthene	12.70	202	442848	25.029	ng	98
78) Pyrene	12.94	202	332503	24.496	ng	98
81) Benzo(a)anthracene	14.12	228	96167	8.565	ng	98
83) Chrysene	14.16	228	85576	8.024	ng	96
86) Indeno(1,2,3-cd)pyrene	17.22	276	27032	3.055	ng	97
88) Benzo(b)fluoranthene	15.20	252	65959m	7.087	ng	
89) Benzo(k)fluoranthene	15.23	252	25591m	2.797	ng	
90) Benzo(a)pyrene	15.59	252	48073	5.613	ng	98
92) Benzo(a,h,i)perylene	17.70	276	24069	3.305	ng	98

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

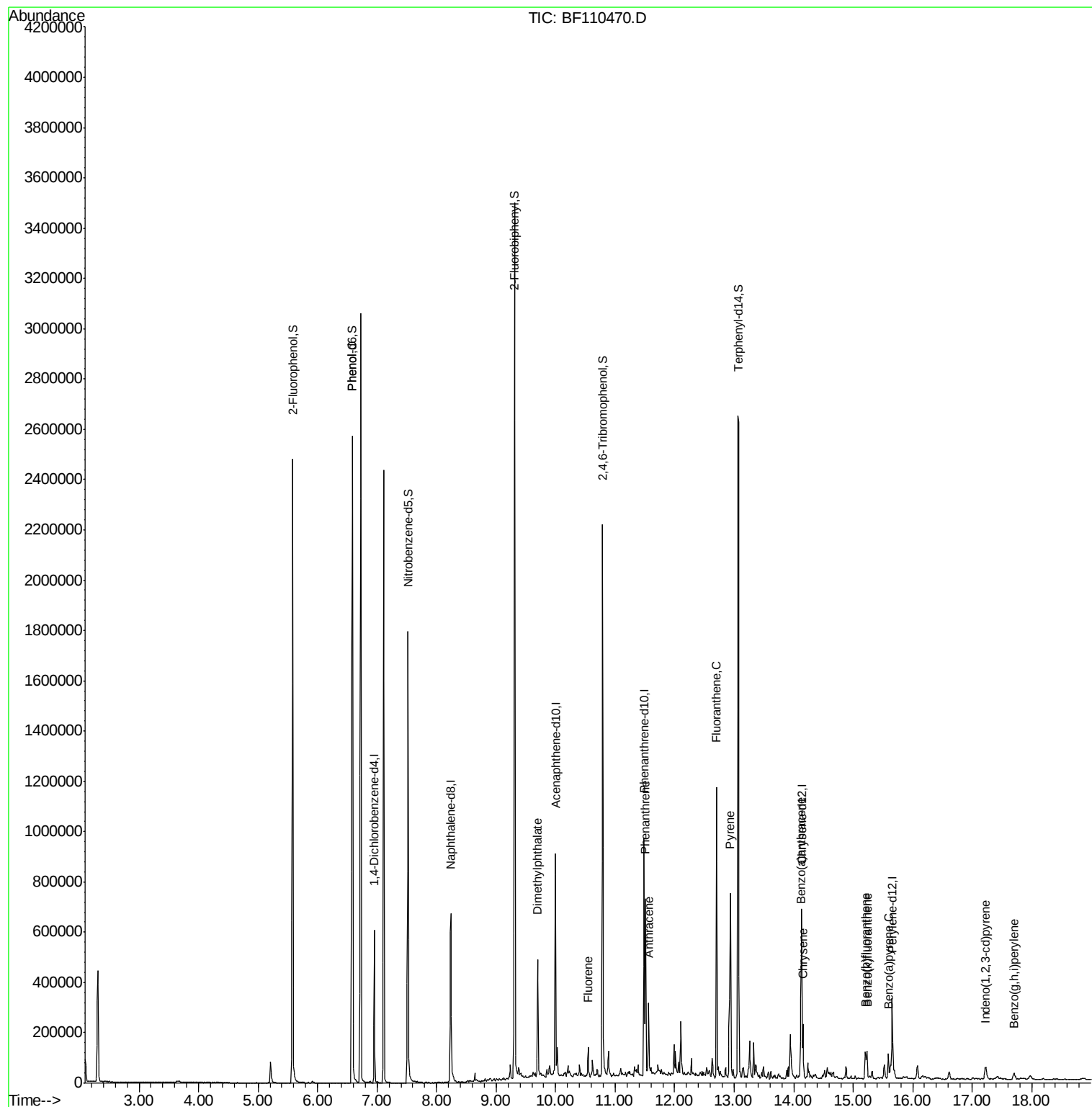
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110518\
Data File : BF110470.D
Acq On : 5 Nov 2018 17:36
Operator : JU/SJ
Sample : J5812-29
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP4-B

Manual Integrations
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 16:06:12 2018
Response via : Initial Calibration





#1

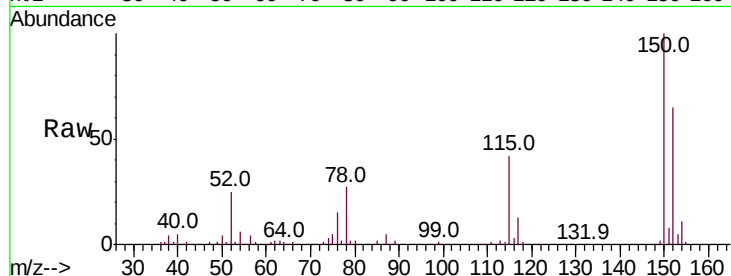
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Instrument :
BNA_F
ClientSampled :
TP4-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	122.7	184.1
115	64.1	49.1	73.7

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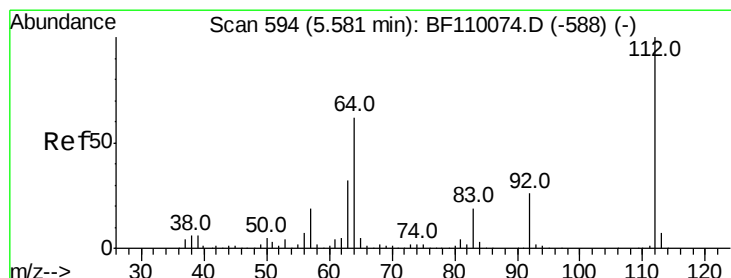
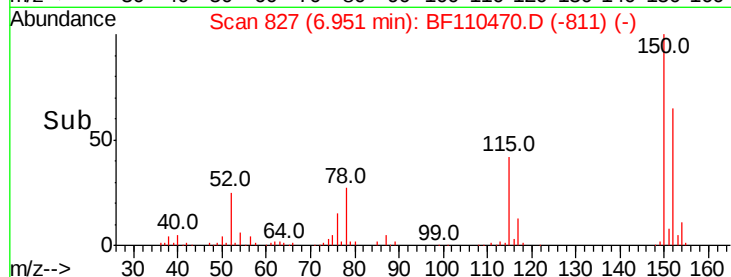
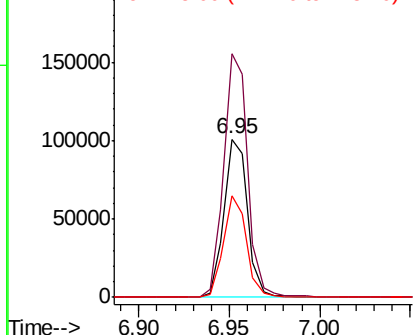


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

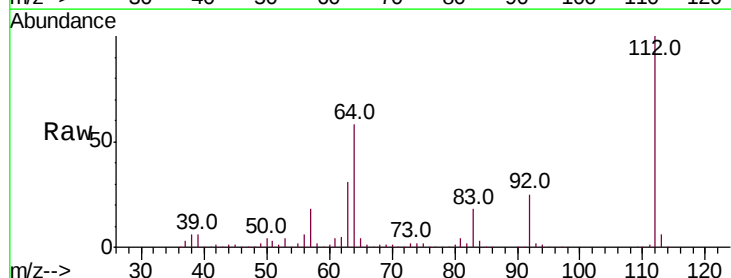
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 141.985 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	44.1	66.1
63	30.6	23.7	35.5

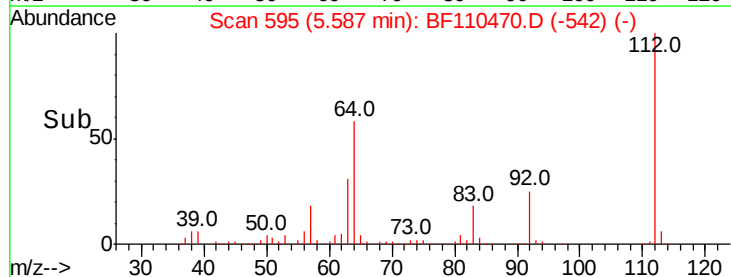
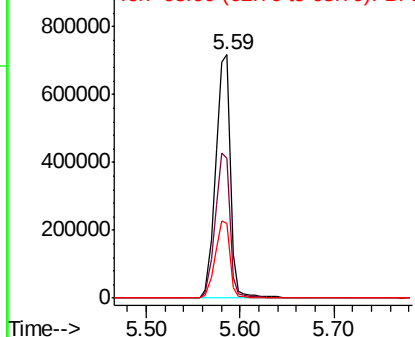


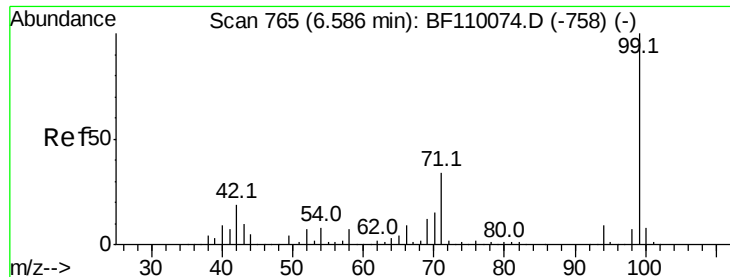
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 143.528 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF110470.D

Acq: 5 Nov 2018 17:36

Instrument :

BNA_F

ClientSampled :

TP4-B

Tot Ion: 99 Resp: 1031748

Ion Ratio Lower Upper

99 100

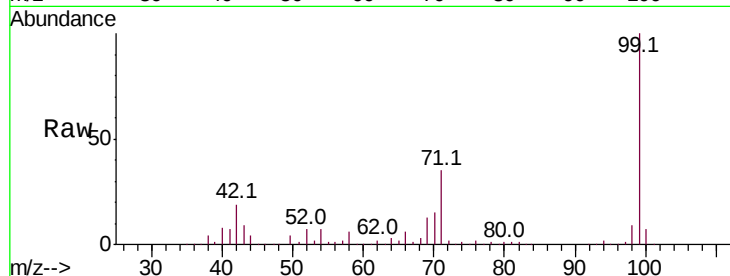
42 18.6 15.8 23.6

71 35.0 28.0 42.0

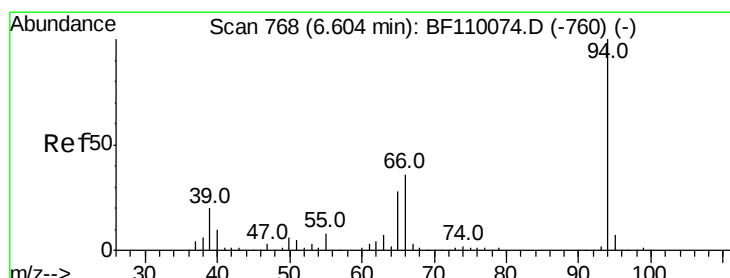
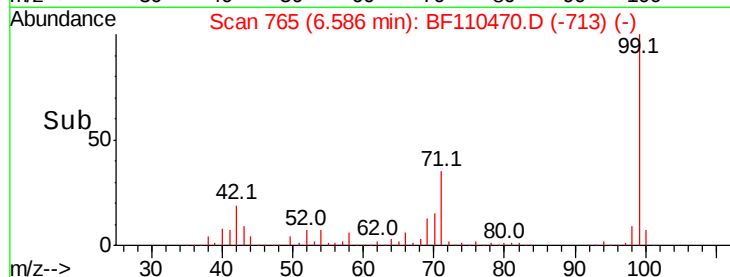
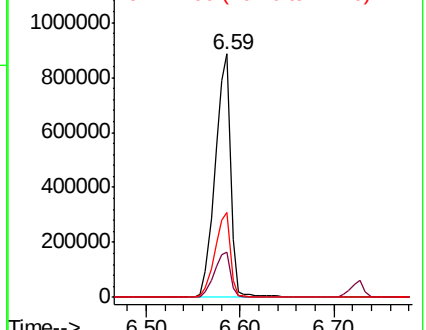
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Abundance Ion 99.00 (98.70 to 99.70): BF1
1200000
Ion 42.00 (41.70 to 42.70): BF1
1000000
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 9.226 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110470.D

Acq: 5 Nov 2018 17:36

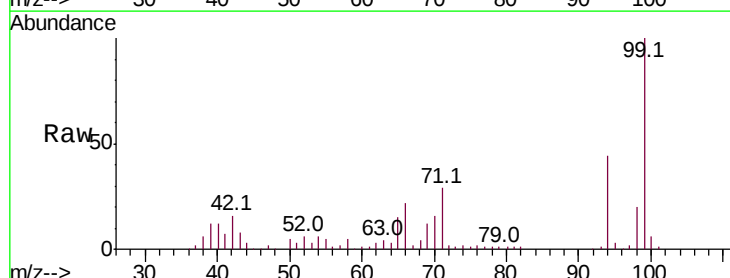
Tgt Ion: 94 Resp: 70894

Ion Ratio Lower Upper

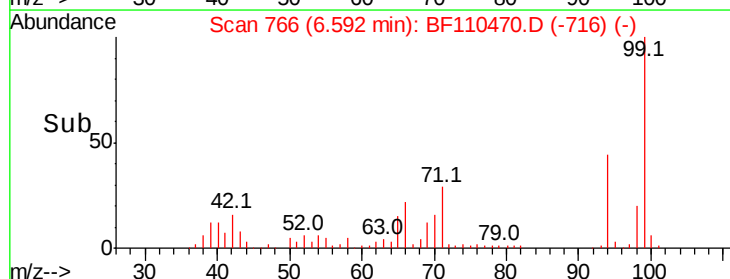
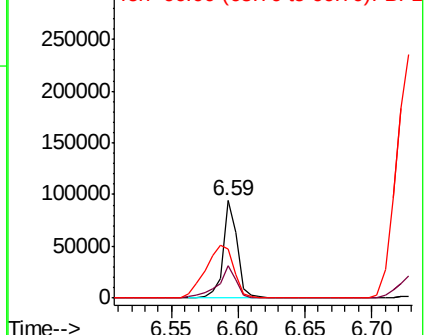
94 100

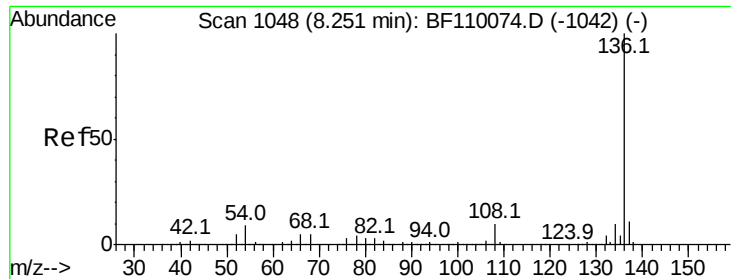
65 33.4 25.3 65.3

66 50.5 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
300000
Ion 65.00 (64.70 to 65.70): BF1
250000
Ion 66.00 (65.70 to 66.70): BF1





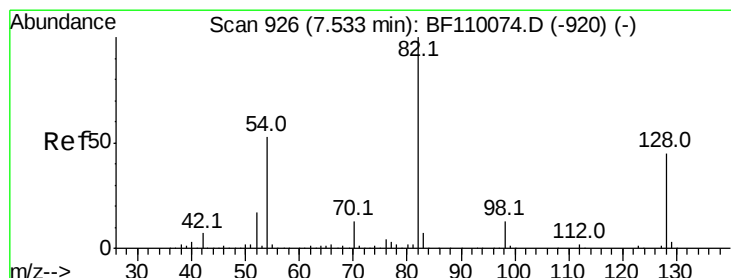
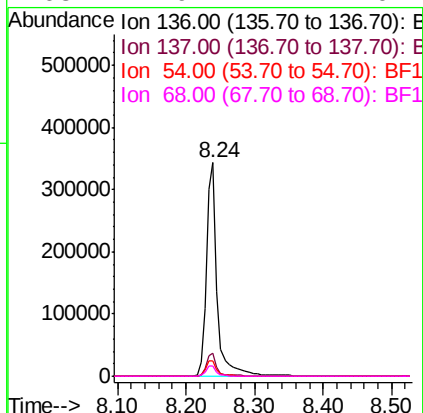
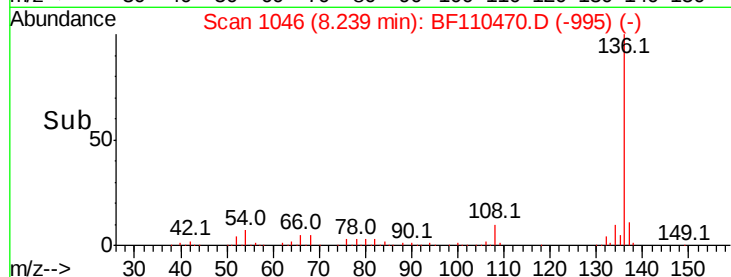
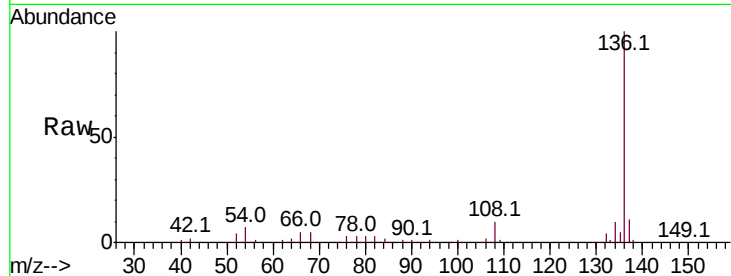
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Instrument :
BNA_F
ClientSampled :
TP4-B

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.8	13.2	
54	7.1	5.4	8.2	
68	4.9	4.2	6.2	

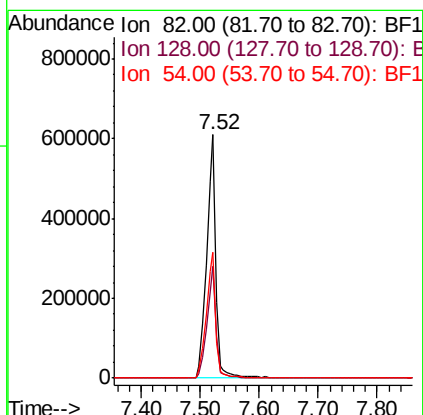
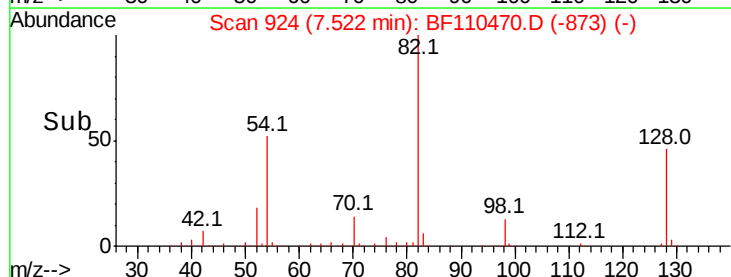
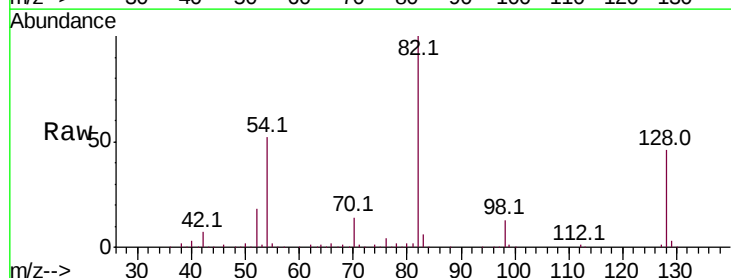
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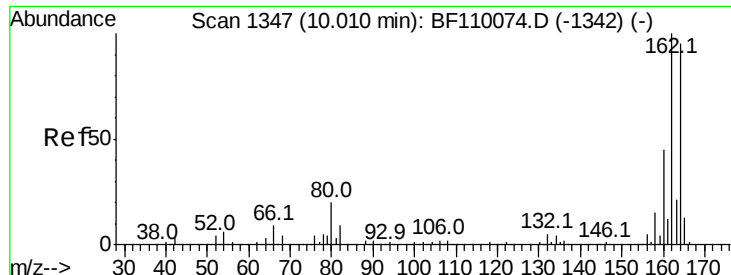
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#23
Nitrobenzene-d5
Concen: 103.659 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.00 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.1	34.2	51.2	
54	51.7	38.6	58.0	





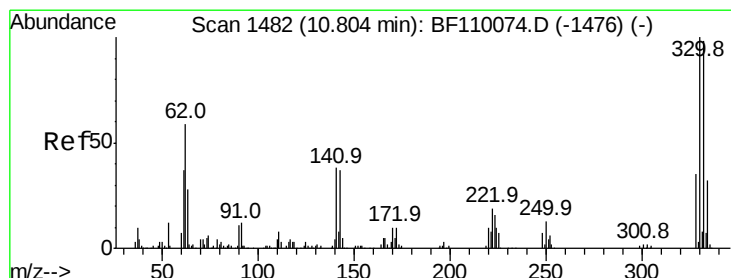
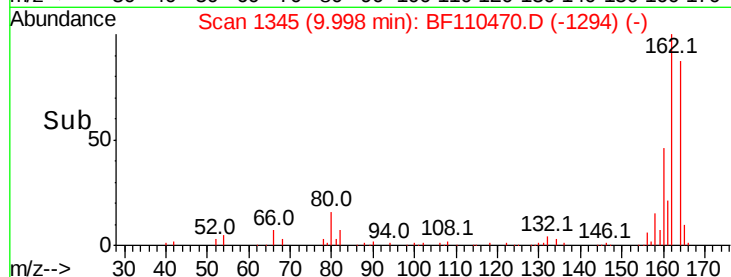
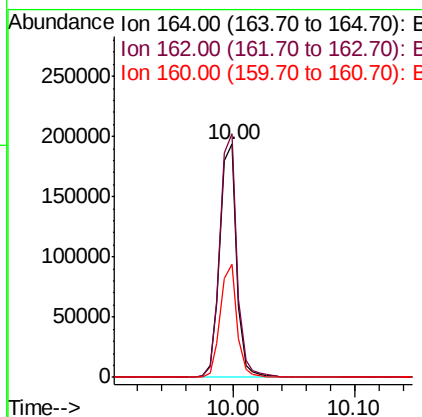
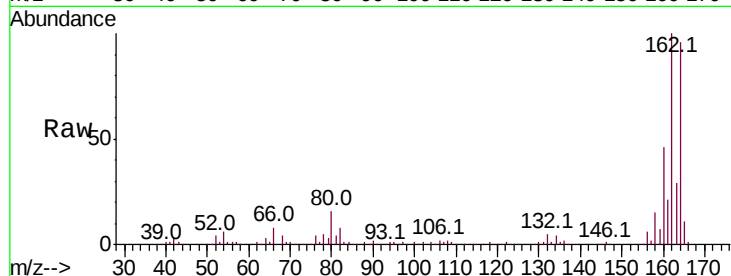
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: BF110470.D
 Acq: 5 Nov 2018 17:36

Instrument :
 BNA_F
 ClientSampled :
 TP4-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.5	83.0	124.6	
160	48.3	37.0	55.6	

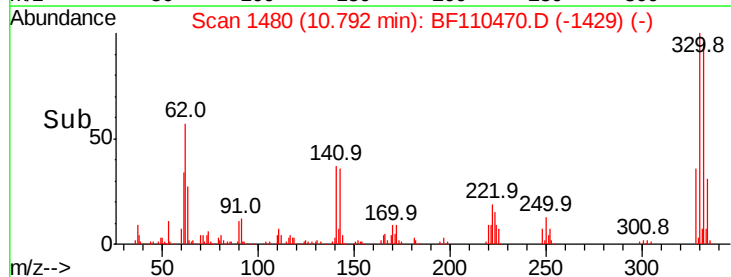
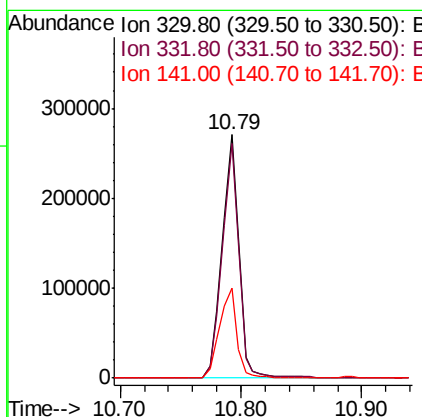
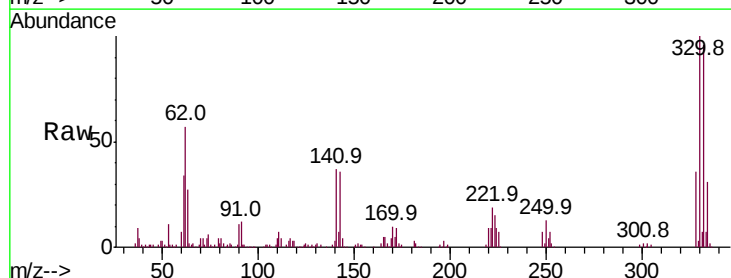
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#42
 2,4,6-Tribromophenol
 Concen: 142.943 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: BF110470.D
 Acq: 5 Nov 2018 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	77.1	115.7	
141	38.3	27.0	40.4	





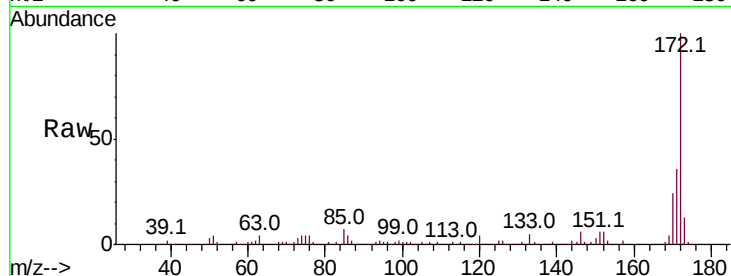
#45
2-Fluorobiphenyl
Concen: 95.475 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Instrument :
BNA_F
ClientSampleId :
TP4-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	23.8	19.7	29.5

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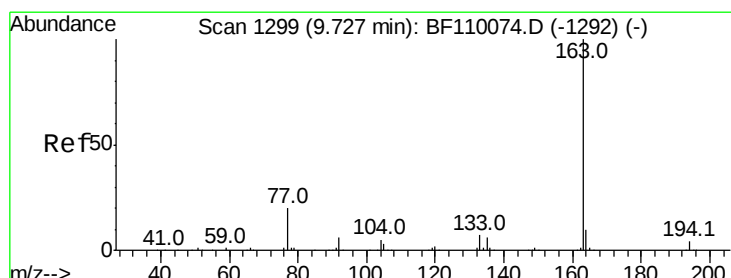
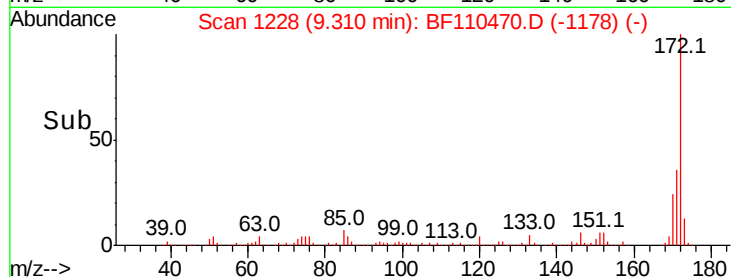
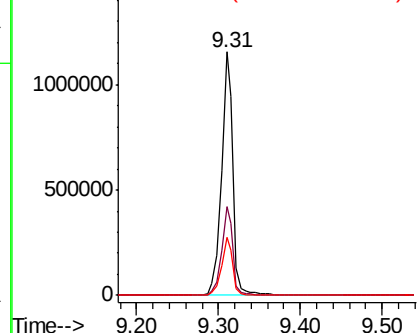


Abundance

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: 12.785 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

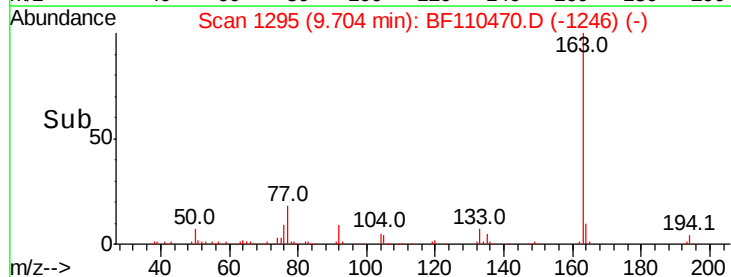
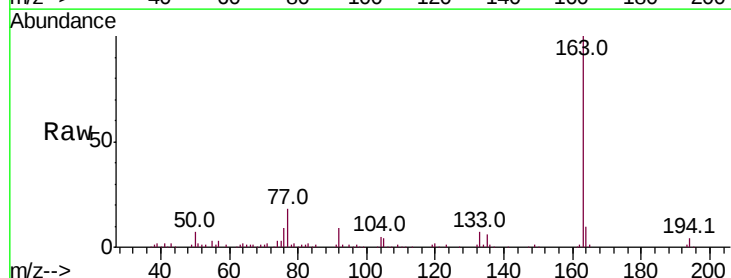
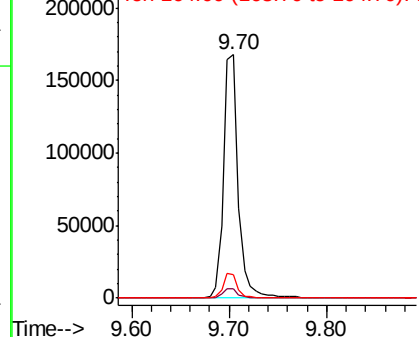
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	9.8	8.1	12.1

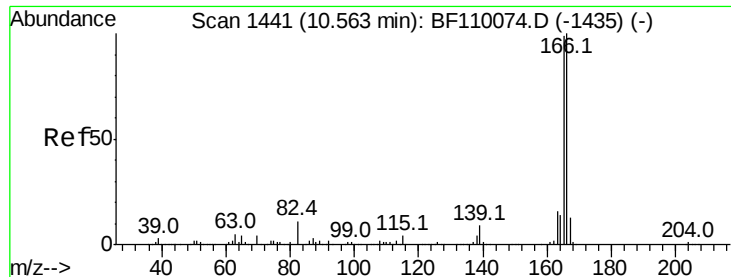
Abundance

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





#58

Fluorene

Concen: 2.639 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF110470.D

Acq: 5 Nov 2018 17:36

Instrument :

BNA_F

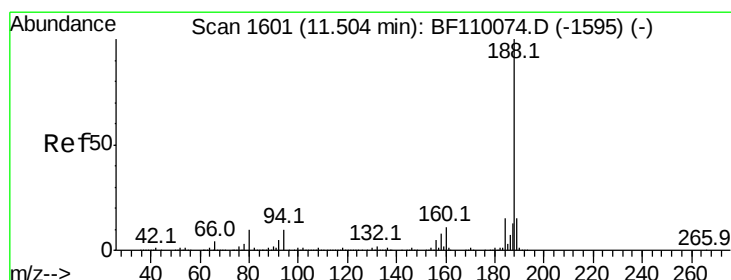
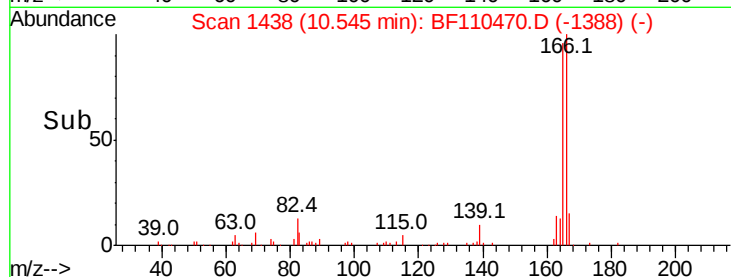
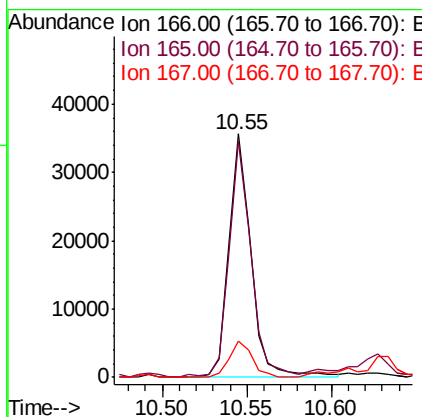
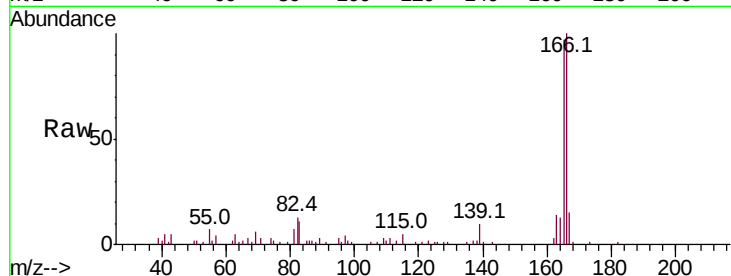
ClientSampleId :

TP4-B

Tot Ion:	166	Resp:	32503
Ion Ratio	Lower	Upper	
166	100		
165	97.1	78.6	117.8
167	15.0	10.8	16.2

Manual Integrations
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#64

Phenanthrene-d10

Concen: 20.000 ng

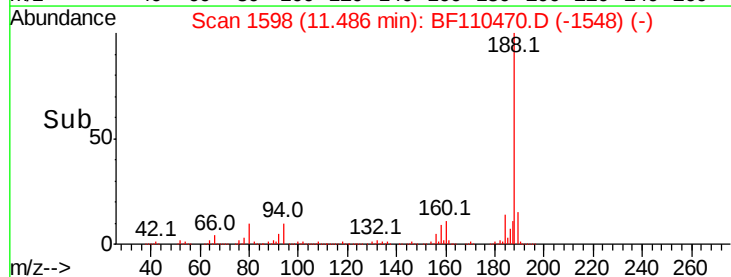
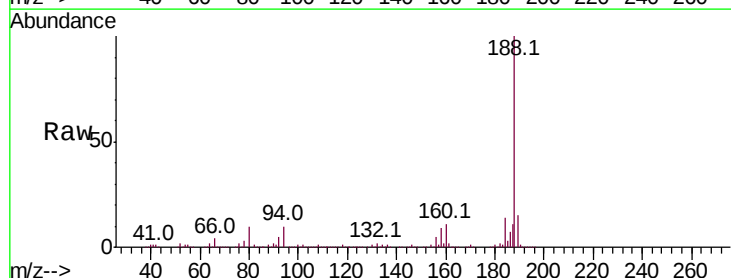
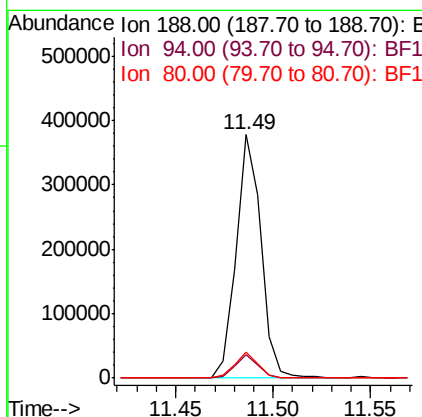
RT: 11.49 min Scan# 1598

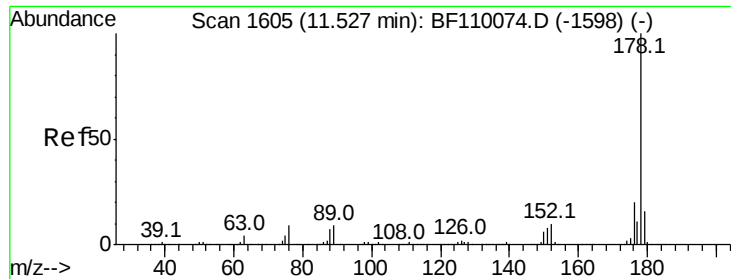
Delta R.T. -0.01 min

Lab File: BF110470.D

Acq: 5 Nov 2018 17:36

Tgt Ion:	188	Resp:	333187
Ion Ratio	Lower	Upper	
188	100		
94	9.6	7.2	10.8
80	10.5	7.9	11.9





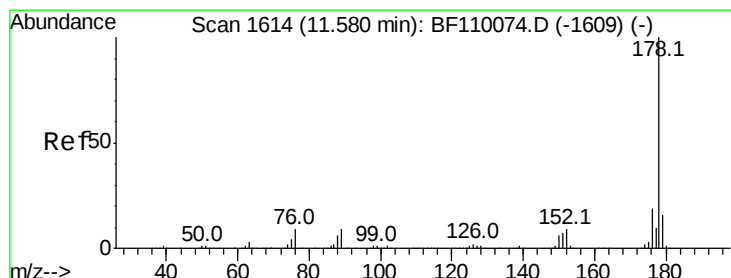
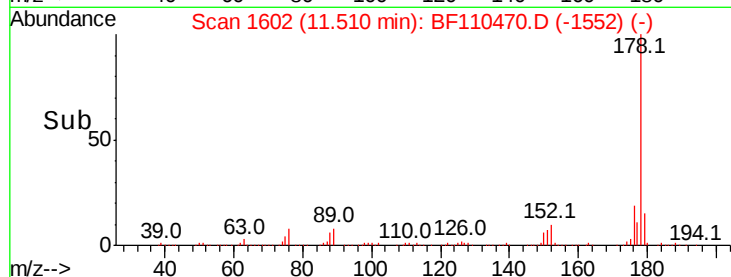
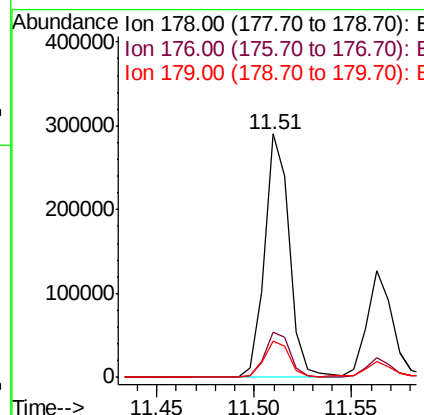
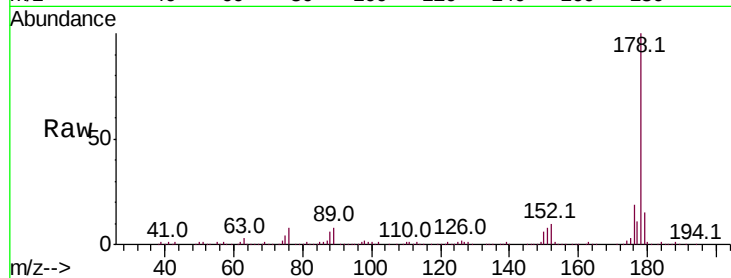
#71
Phenanthrene
Concen: 14.551 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Instrument :
BNA_F
ClientSampleId :
TP4-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	14.9	12.5	18.7

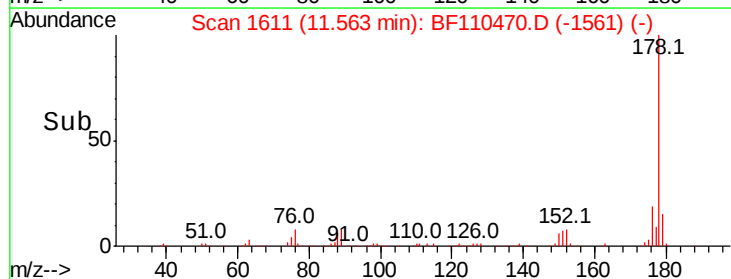
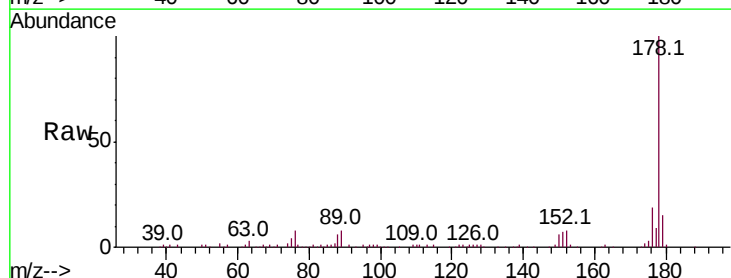
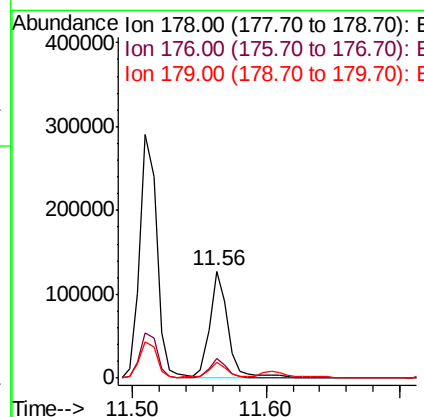
Manual Integrations
APPROVED

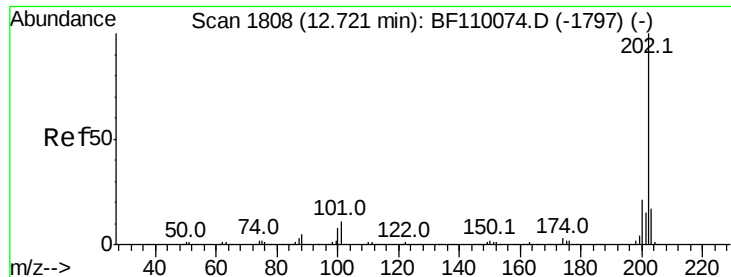
Sohil
11/6/2018 1:19:15 PM



#72
Anthracene
Concen: 6.916 ng
RT: 11.56 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	14.8	12.6	18.8





#75

Fluoranthene

Concen: 25.029 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110470.D

Acq: 5 Nov 2018 17:36

Instrument :

BNA_F

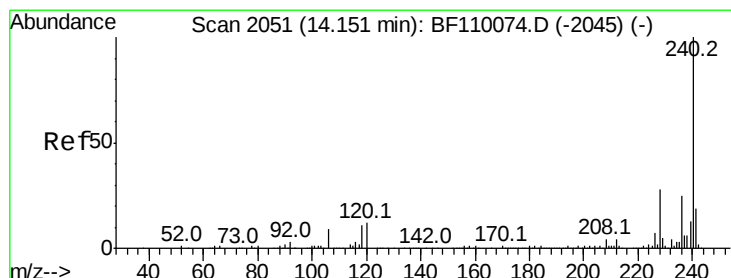
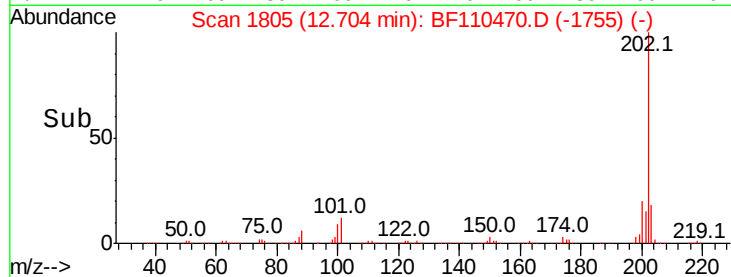
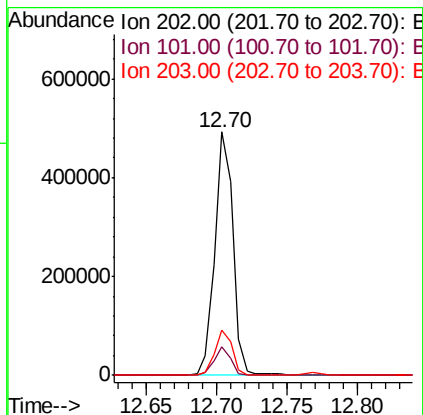
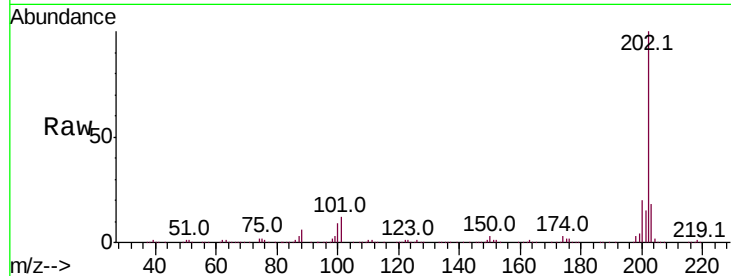
ClientSampled :

TP4-B

Tot Ion	Ratio	Resp	Lower	Upper
202	100	442848		
101	11.9	0.0	31.4	
203	18.4	0.0	37.7	

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#76

Chrysene-d12

Concen: 20.000 ng

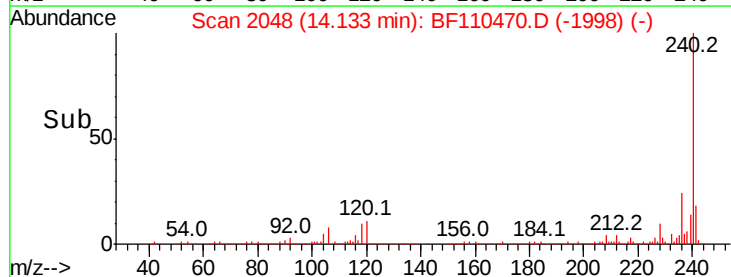
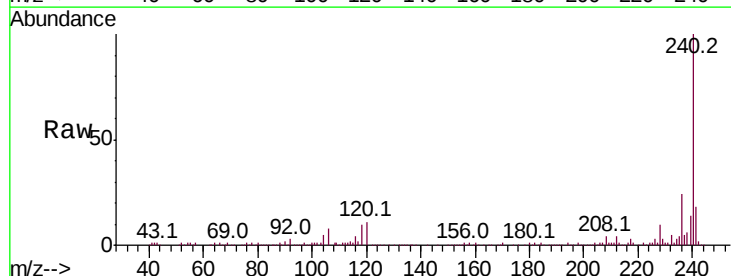
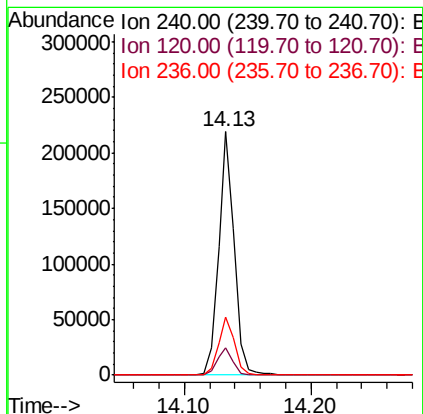
RT: 14.13 min Scan# 2048

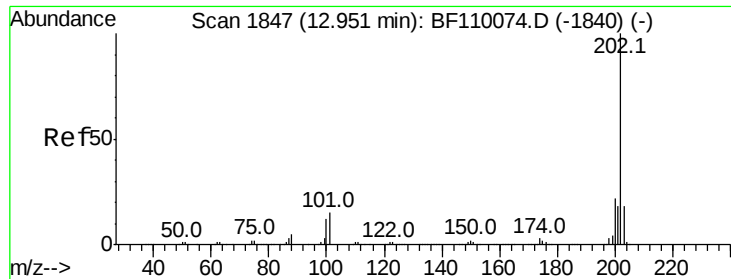
Delta R.T. -0.01 min

Lab File: BF110470.D

Acq: 5 Nov 2018 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	189336		
120	11.1	8.3	12.5	
236	23.9	21.2	31.8	





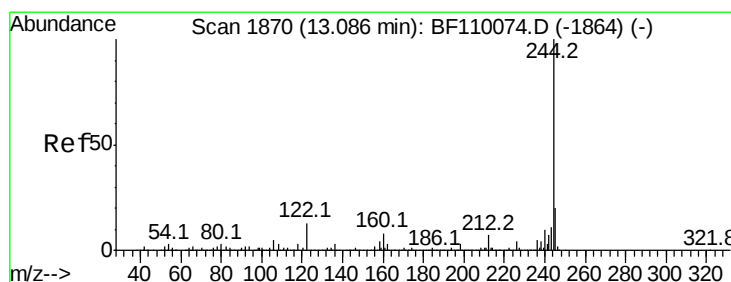
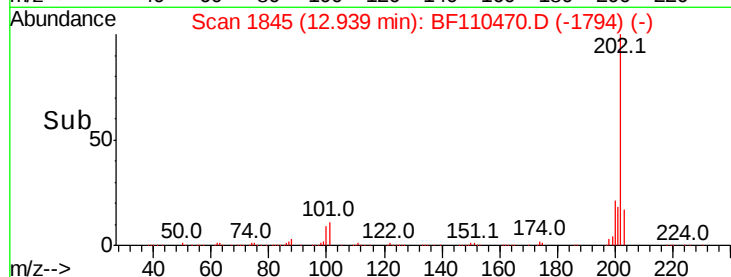
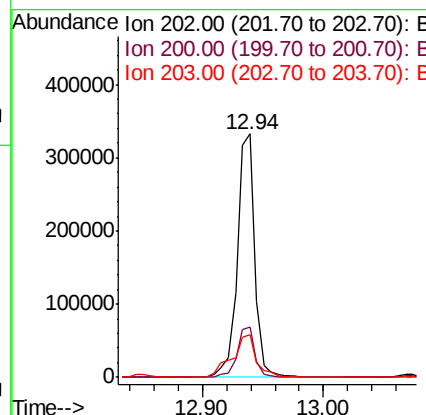
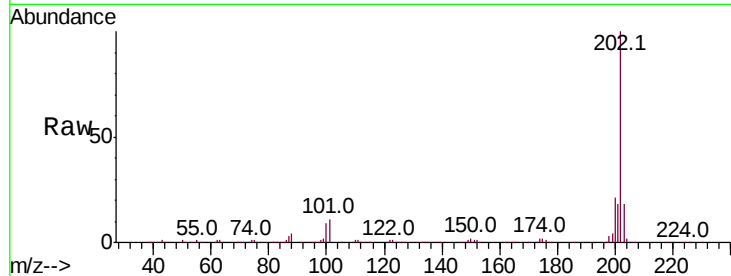
#78
Pvrene
Concen: 24.496 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Instrument :
BNA_F
ClientSampled :
TP4-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.8	26.6
203	17.7	14.2	21.4

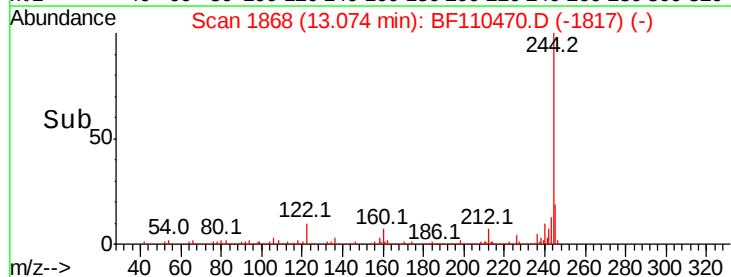
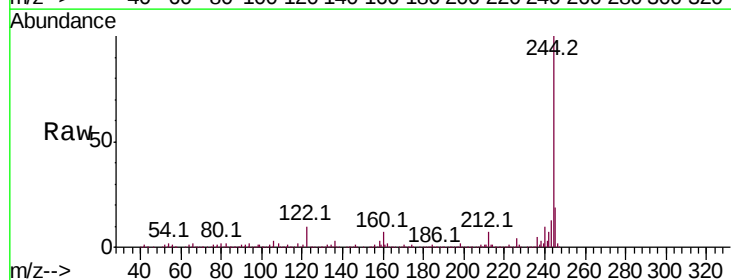
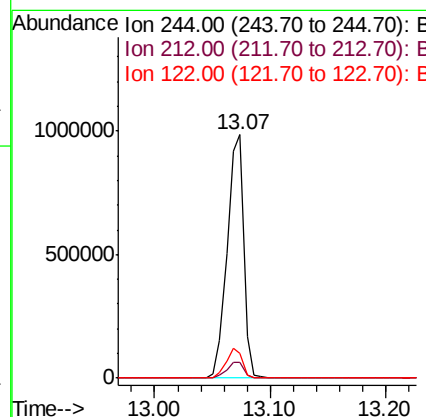
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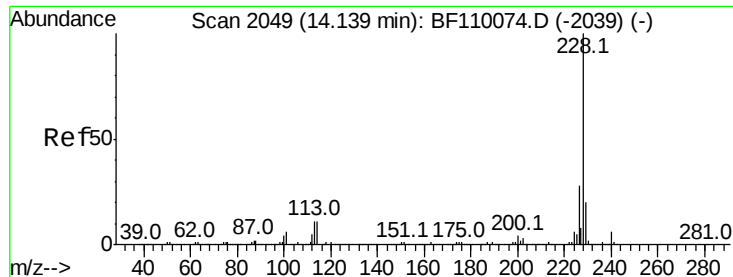
Sohil
11/6/2018 1:19:15 PM



#79
Terphenyl-d14
Concen: 107.572 ng
RT: 13.07 min Scan# 1868
Delta R.T. -0.00 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	10.0	8.7	13.1





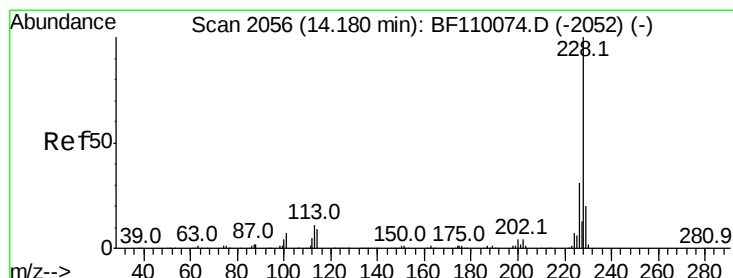
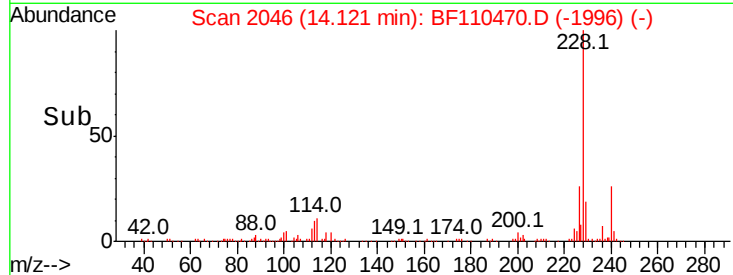
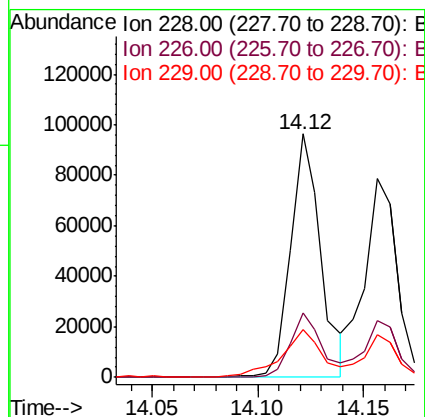
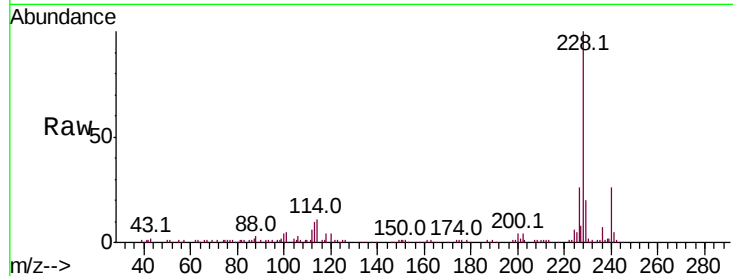
#81
Benzo(a)anthracene
Concen: 8.565 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Instrument :
BNA_F
ClientSampleId :
TP4-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.1	33.1
229	19.7	15.6	23.4

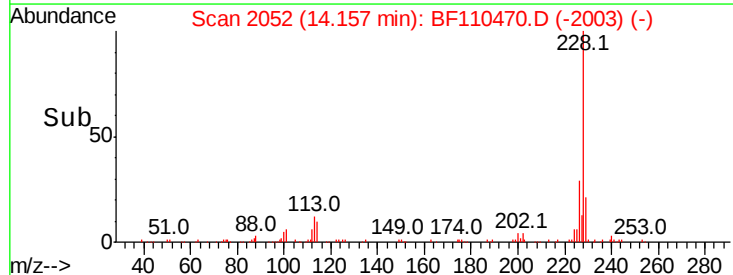
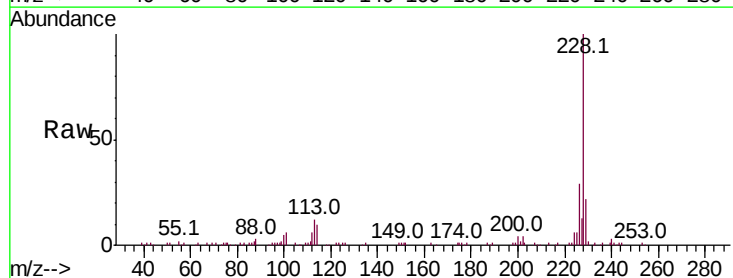
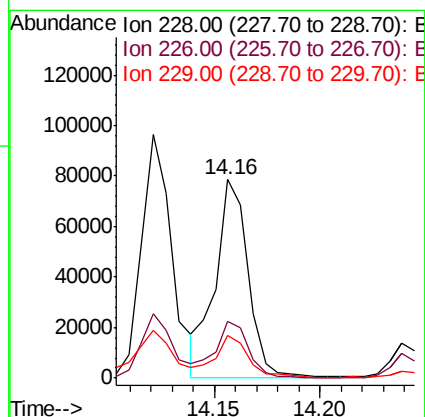
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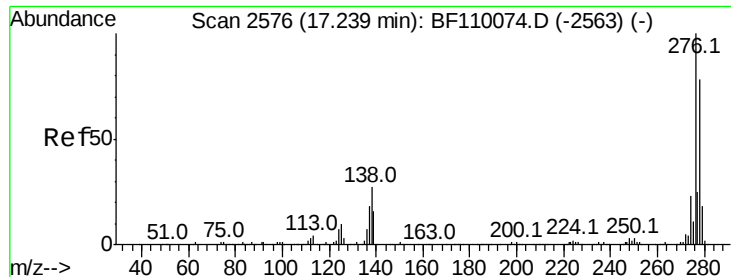
Sohil
11/6/2018 1:19:15 PM



#83
Chrysene
Concen: 8.024 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.7	37.1
229	21.6	15.9	23.9





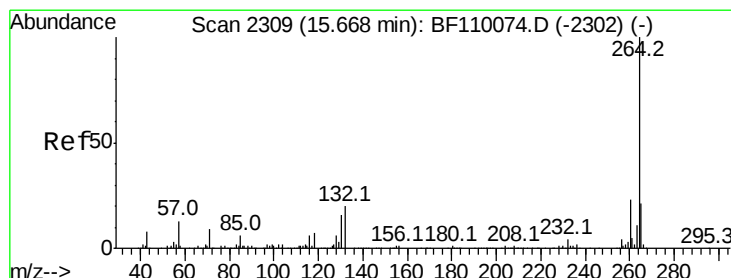
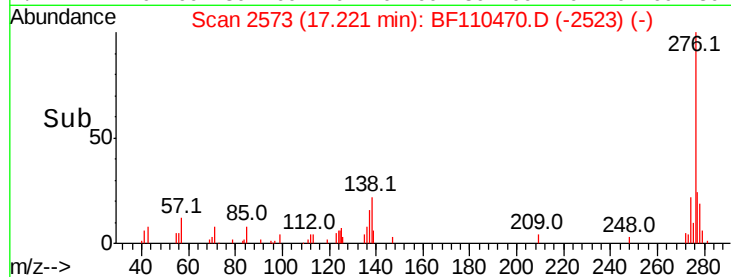
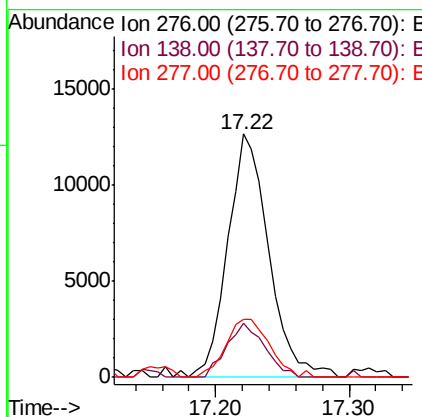
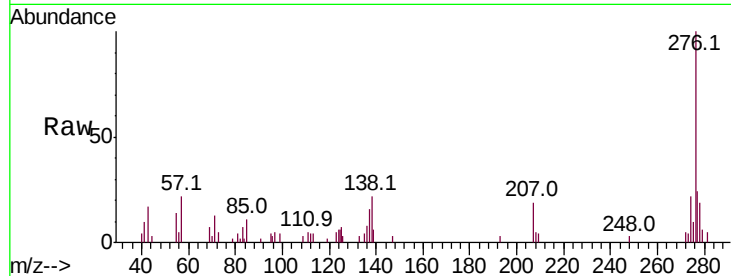
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.055 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Instrument :
BNA_F
ClientSampleId :
TP4-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	18.5	27.7
277	25.6	20.0	30.0

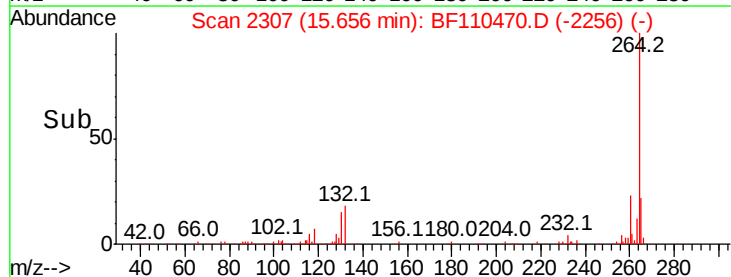
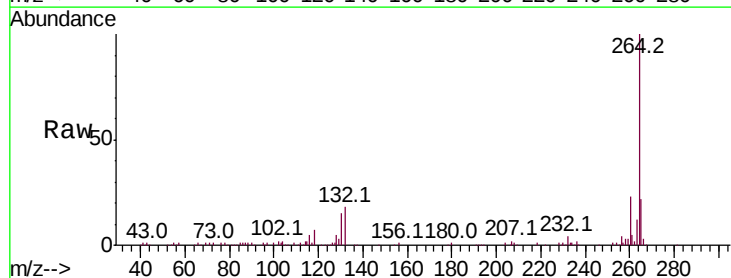
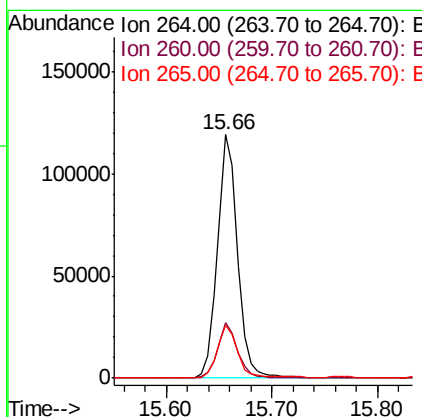
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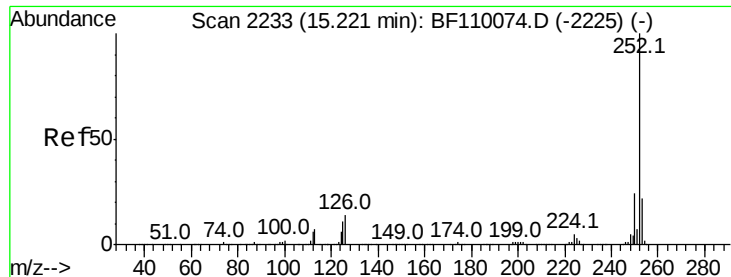
Sohil
11/6/2018 1:19:15 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.7	28.1
265	21.5	16.7	25.1





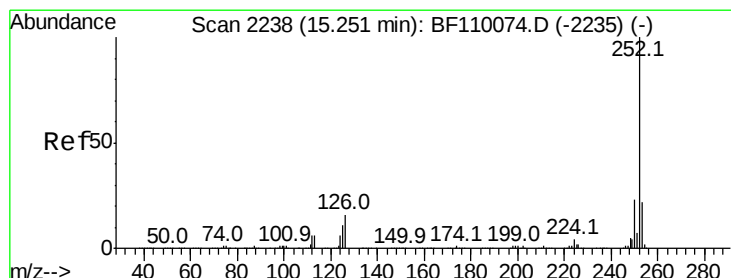
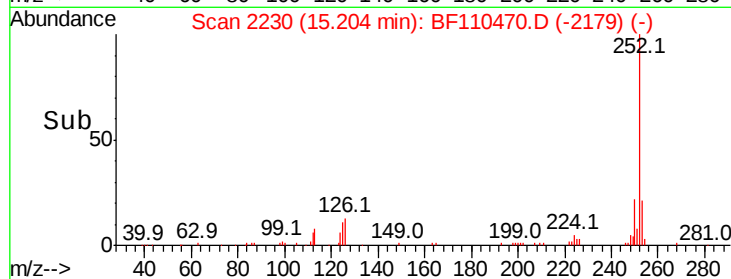
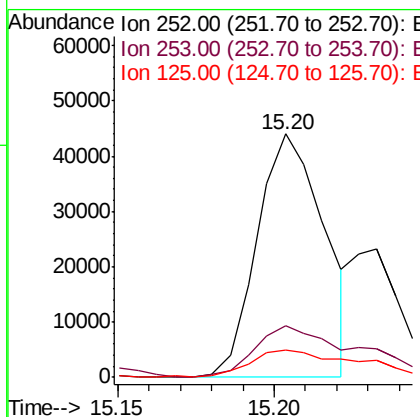
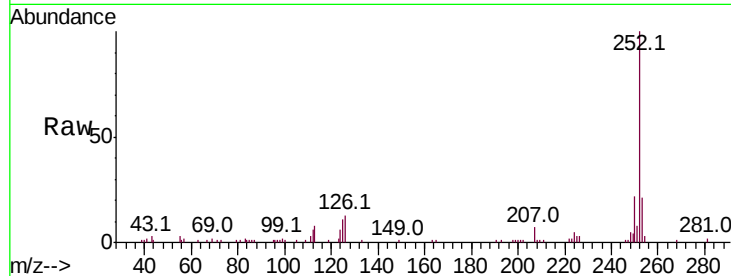
#88
Benzo(b)fluoranthene
Concen: 7.087 ng m
RT: 15.20 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Instrument :
BNA_F
ClientSampled :
TP4-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	11.3	8.2	12.4

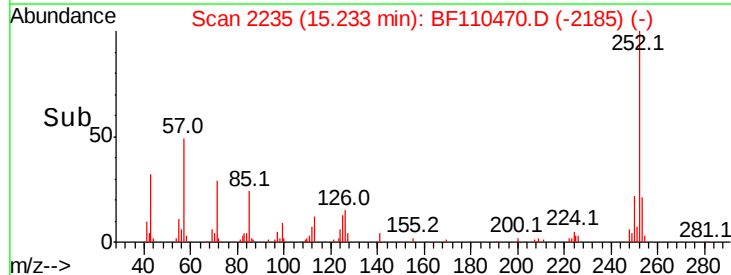
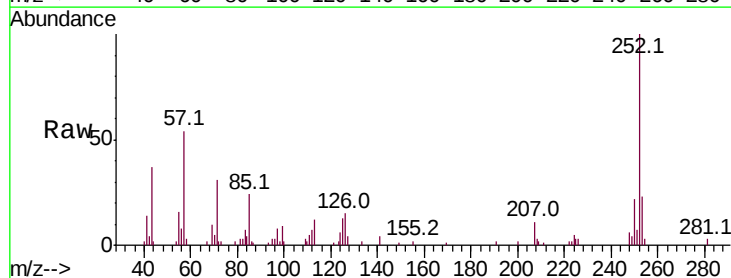
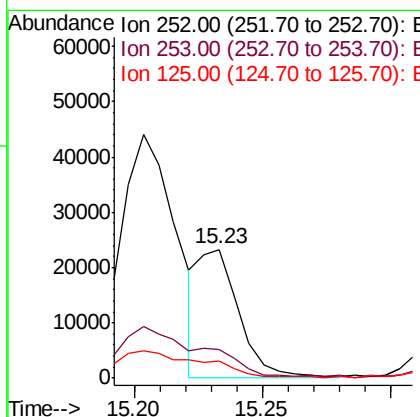
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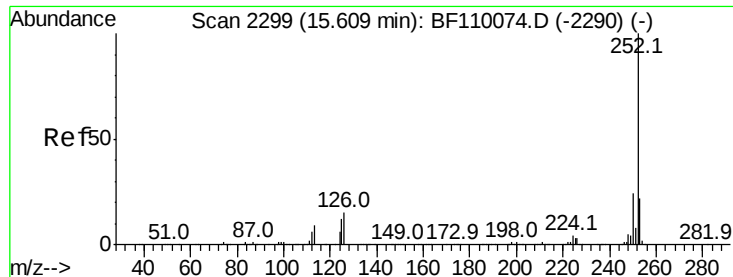
Sohil
11/6/2018 1:19:15 PM



#89
Benzo(k)fluoranthene
Concen: 2.797 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	13.2	7.4	11.0#





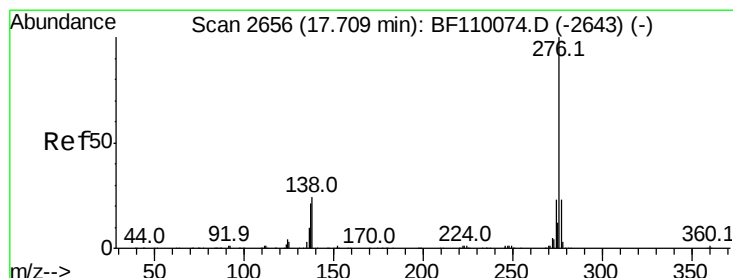
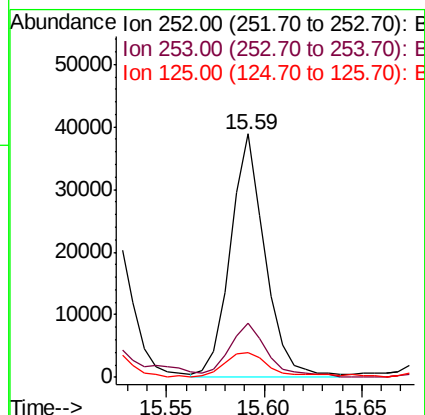
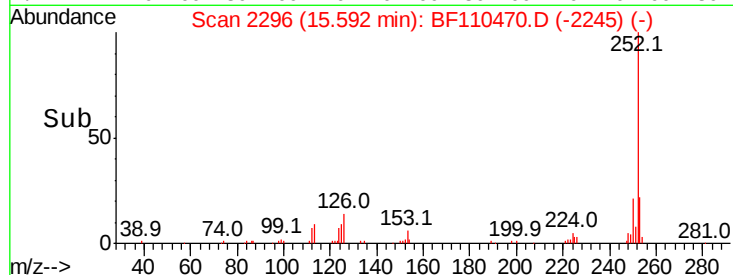
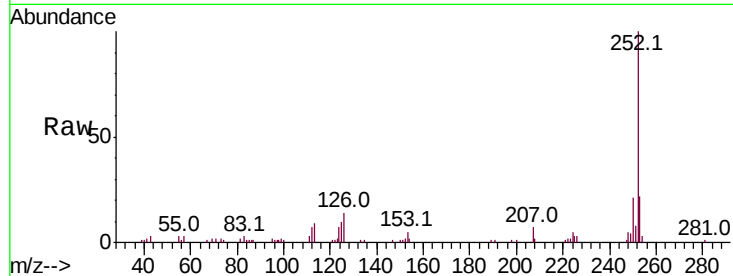
#90
Benzo(a)pyrene
Concen: 5.613 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.00 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Instrument :
BNA_F
ClientSampled :
TP4-B

Tot Ion:	252	Resp:	48073
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.2	27.4
125	10.2	9.0	13.6

Manual Integrations
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11/6/2018 1:19:15 PM



#92
Benzo(g,h,i)perylene
Concen: 3.305 ng
RT: 17.70 min Scan# 2655
Delta R.T. -0.00 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Tgt Ion:	276	Resp:	24069
Ion Ratio	Lower	Upper	
276	100		
277	23.2	18.8	28.2
138	18.6	16.0	24.0

