

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110427.D
 Acq On : 2 Nov 2018 22:19
 Operator : JU/SJ
 Sample : J5759-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

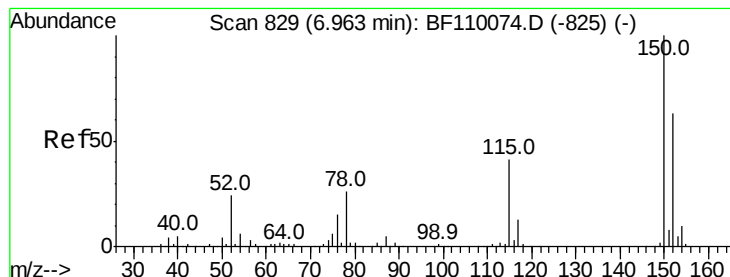
Manual Integrations
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Sohil
 11/5/2018 10:32:49 AM

Quant Time: Nov 03 00:53:37 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	6.96	152	85568	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	335279	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	130426	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	209993	20.00	ng	0.00
76) Chrysene-d12	14.13	240	168955	20.00	ng	0.00
87) Perylene-d12	15.66	264	118869	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	175892	33.47	ng	0.00
7) Phenol-d6	6.57	99	232957	34.66	ng	-0.01
23) Nitrobenzene-d5	7.52	82	133584	23.63	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	32236	24.95	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	245302	29.53	ng	0.00
79) Terphenyl-d14	13.07	244	192134	23.65	ng	0.00
Target Compounds						
71) Phenanthrene	11.51	178	121592	11.066	ng	Qvalue 99
72) Anthracene	11.57	178	30450	2.765	ng	98
75) Fluoranthene	12.70	202	189081	16.956	ng	99
78) Pyrene	12.93	202	184725	15.251	ng	97
81) Benzo(a)anthracene	14.12	228	82396	8.224	ng	99
83) Chrysene	14.16	228	72309	7.598	ng	96
86) Indeno(1,2,3-cd)pyrene	17.22	276	24362	3.086	ng	# 88
88) Benzo(b)fluoranthene	15.20	252	71147m	10.365	ng	
89) Benzo(k)fluoranthene	15.23	252	17733m	2.628	ng	
90) Benzo(a)pyrene	15.59	252	46240	7.321	ng	# 92
92) Benzo(g,h,i)perylene	17.70	276	23536	4.382	ng	# 85

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.96 min Scan# 828

Delta R.T. -0.00 min

Lab File: BF110427.D

Acq: 2 Nov 2018 22:19

Instrument :

BNA_F

ClientSampled :

TP-1

Tot Ion:152 Resp: 85568

Ion Ratio Lower Upper

152 100

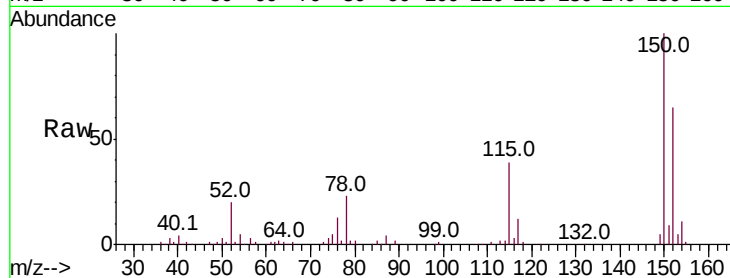
150 153.7 122.7 184.1

115 59.9 49.1 73.7

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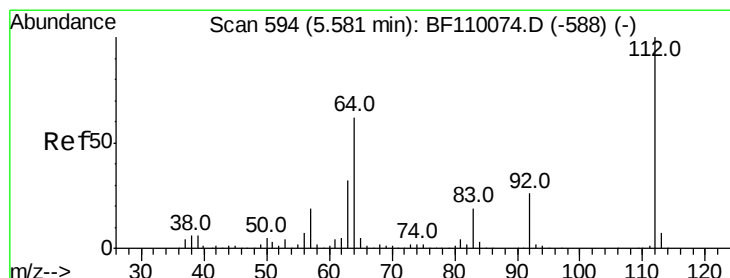
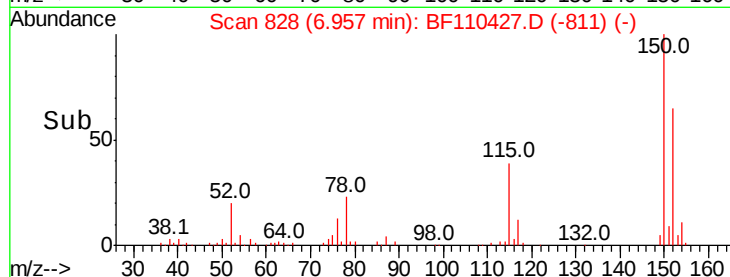
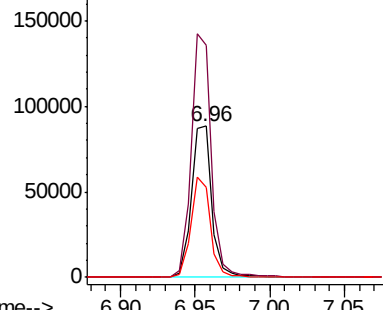
11/5/2018 10:32:49 AM



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: 33.474 ng

RT: 5.57 min Scan# 592

Delta R.T. -0.01 min

Lab File: BF110427.D

Acq: 2 Nov 2018 22:19

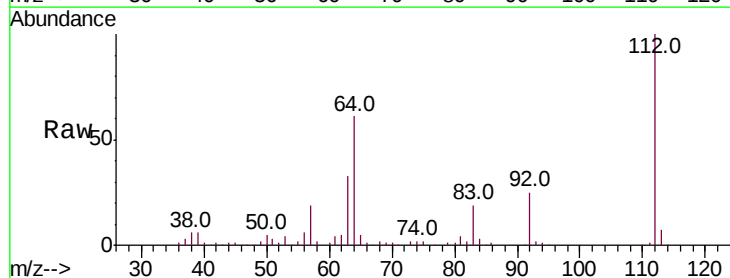
Tgt Ion:112 Resp: 175892

Ion Ratio Lower Upper

112 100

64 61.3 44.1 66.1

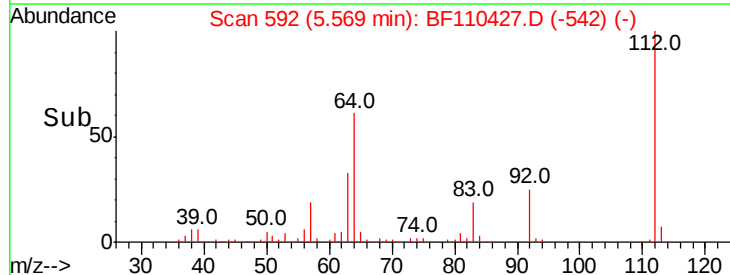
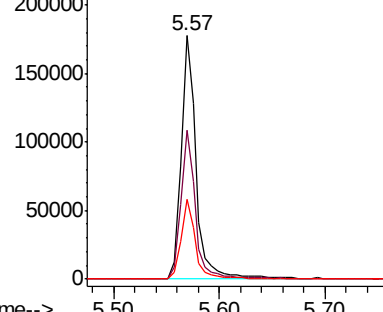
63 32.6 23.7 35.5



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: 34.661 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110427.D

Acq: 2 Nov 2018 22:19

Instrument :

BNA_F

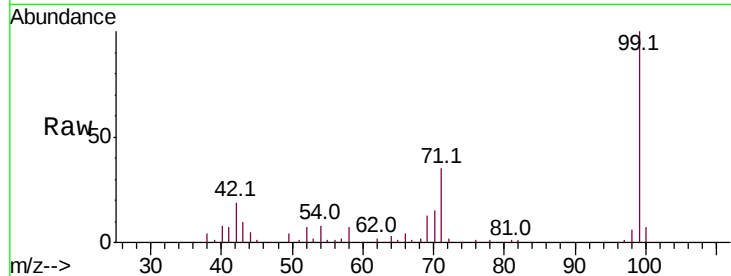
ClientSampled :

TP-1

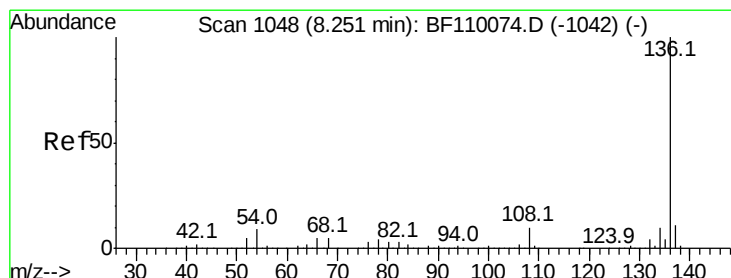
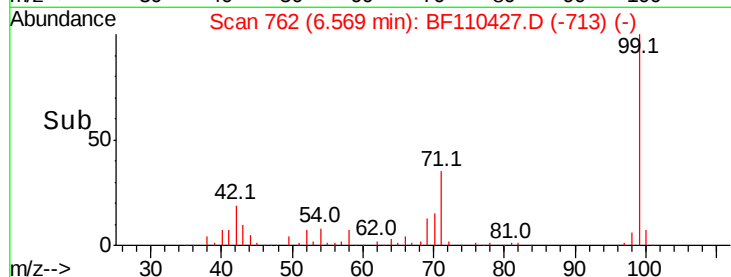
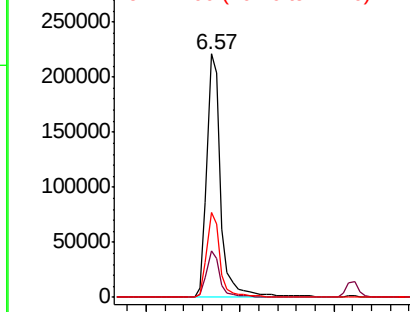
Tot Ion:	99	Resp:	232957
Ion Ratio	Lower	Upper	
99	100		
42	18.9	15.8	23.6
71	34.7	28.0	42.0

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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: 8.24 min Scan# 1046

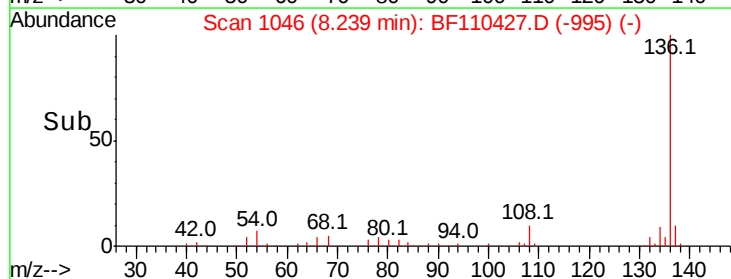
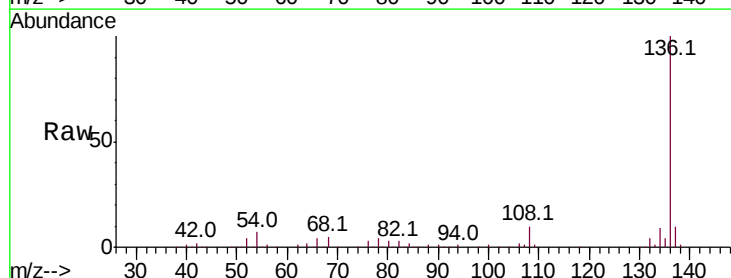
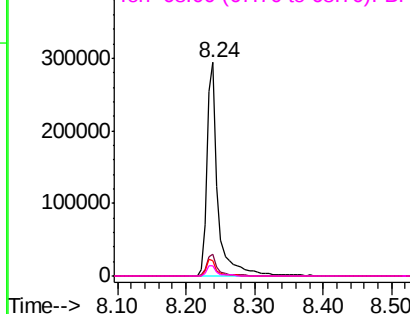
Delta R.T. -0.00 min

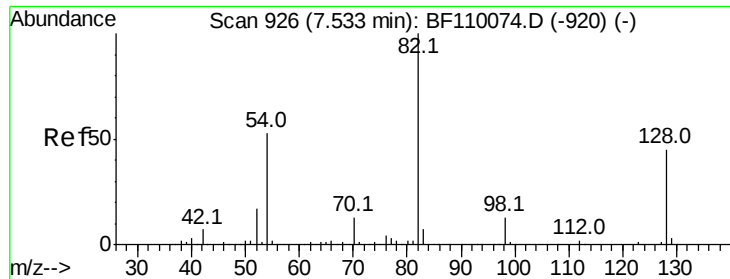
Lab File: BF110427.D

Acq: 2 Nov 2018 22:19

Tgt Ion:	136	Resp:	335279
Ion Ratio	Lower	Upper	
136	100		
137	10.1	8.8	13.2
54	7.1	5.4	8.2
68	4.9	4.2	6.2

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





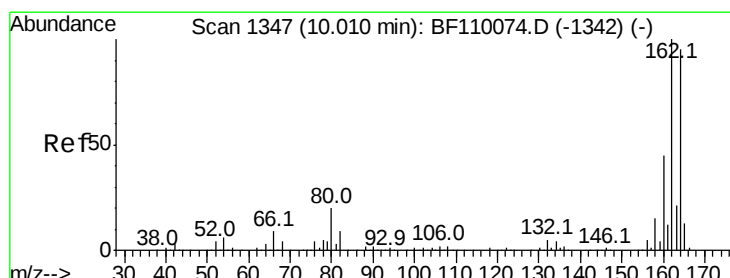
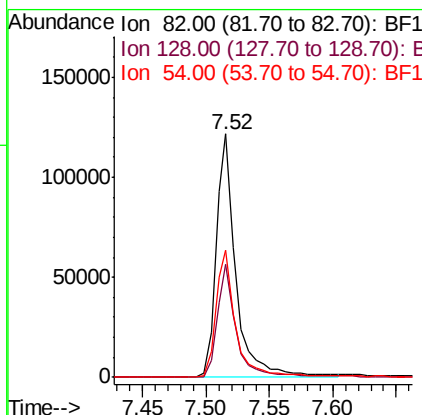
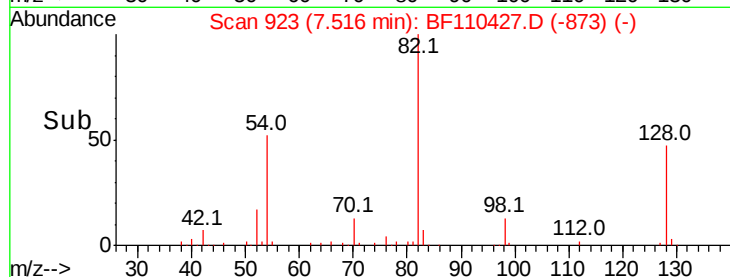
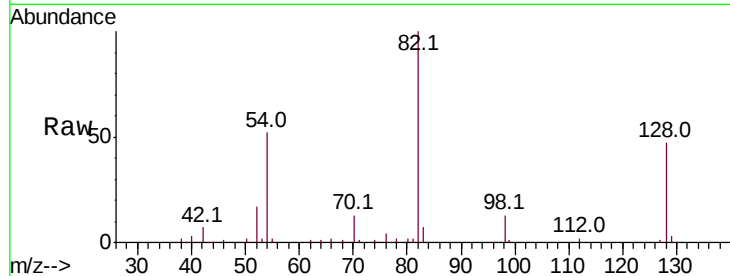
#23
Nitrobenzene-d5
Concen: 23.632 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	34.2	51.2
54	52.3	38.6	58.0

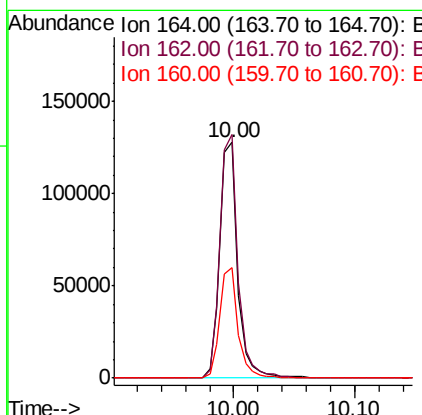
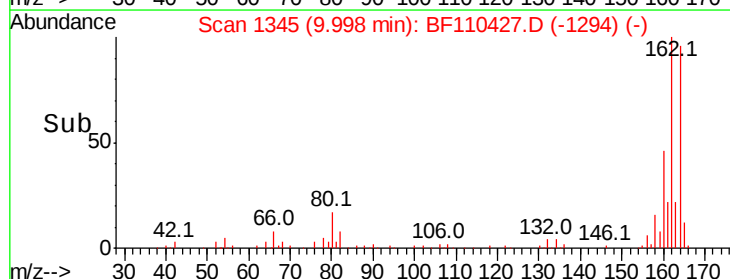
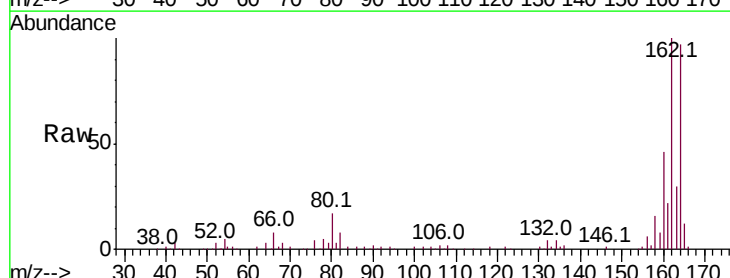
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	83.0	124.6
160	47.1	37.0	55.6





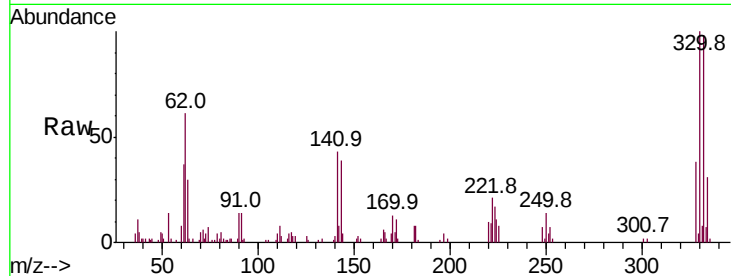
#42
 2,4,6-Tribromophenol
 Concen: 24.951 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF110427.D
 Acq: 2 Nov 2018 22:19

Instrument :
 BNA_F
 ClientSampled :
 TP-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.1	115.7
141	39.1	27.0	40.4

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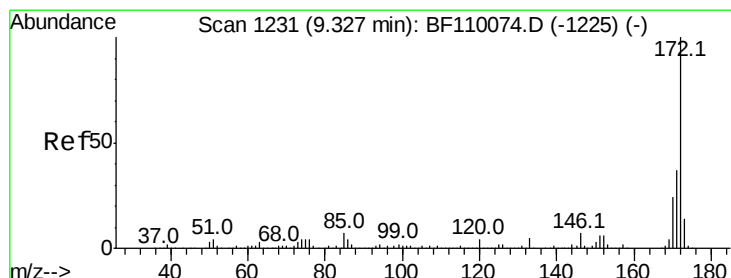
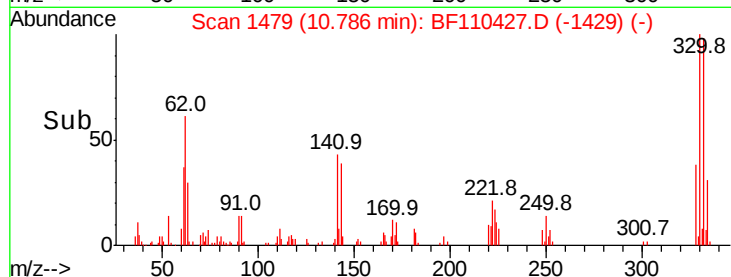
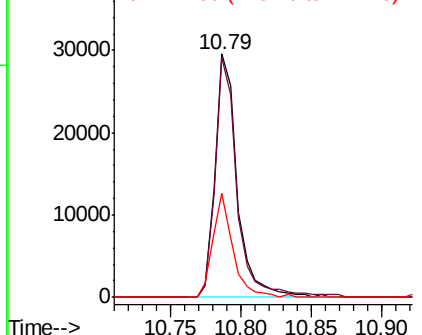


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 29.533 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110427.D
 Acq: 2 Nov 2018 22:19

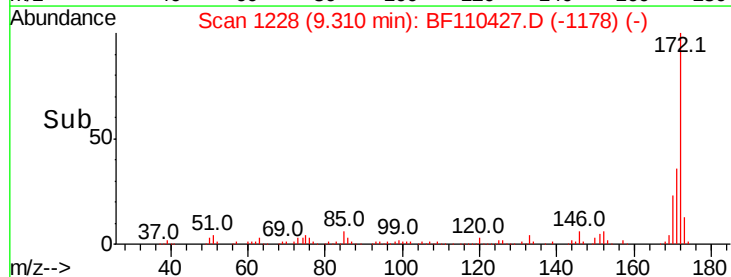
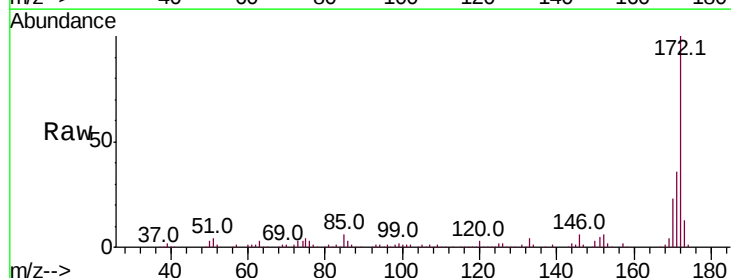
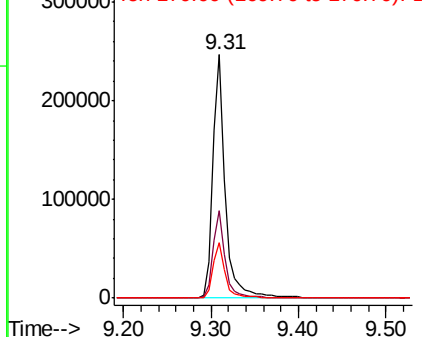
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	22.7	19.7	29.5

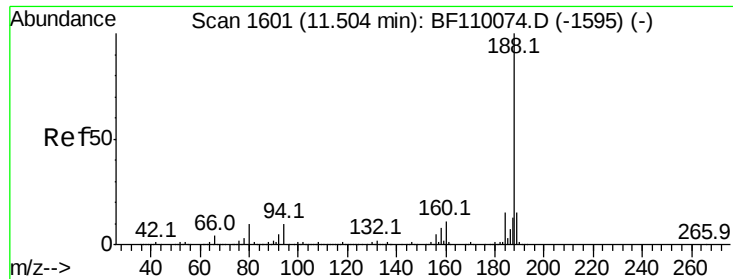
Abundance

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





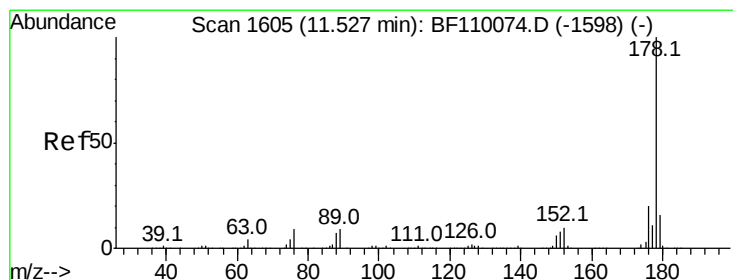
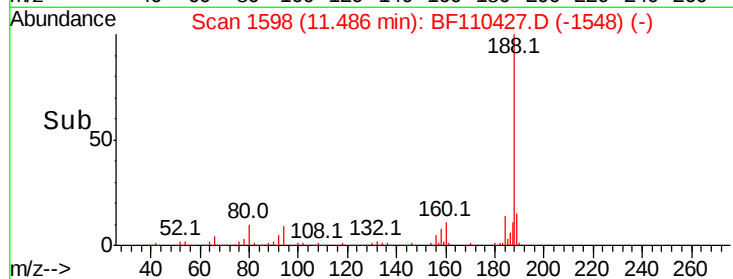
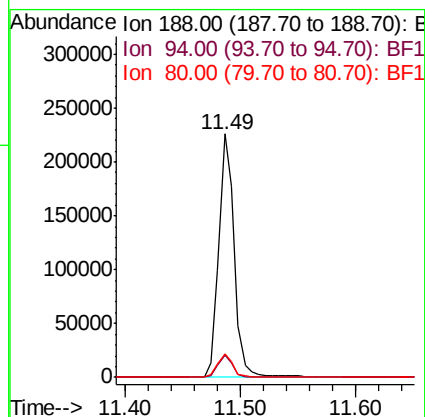
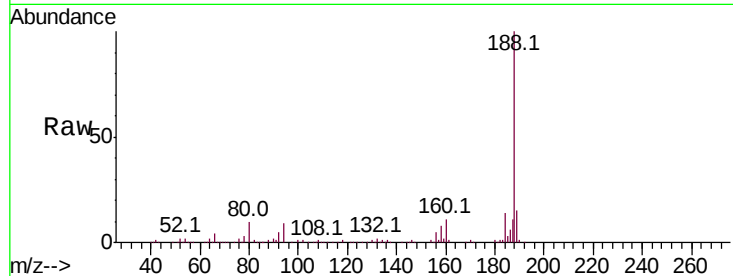
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	209993		
94	9.2		7.2	10.8
80	9.8		7.9	11.9

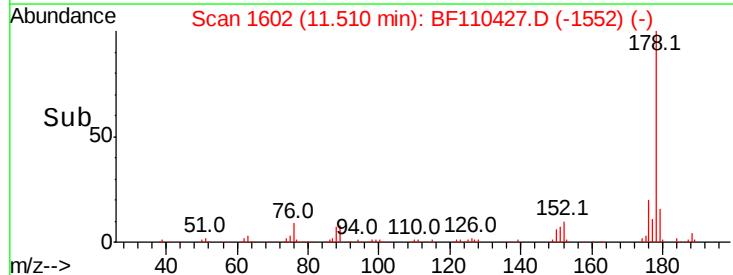
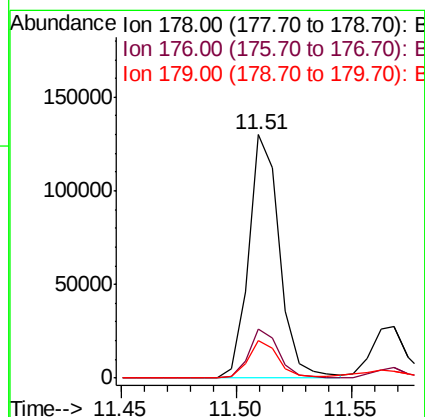
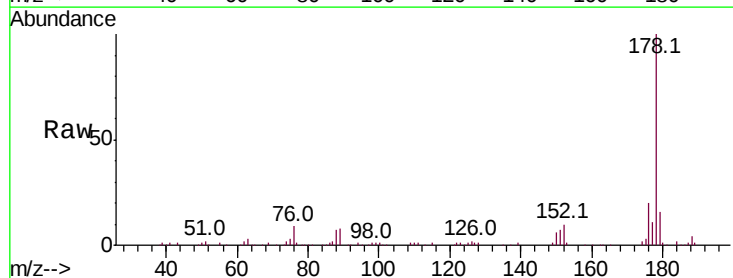
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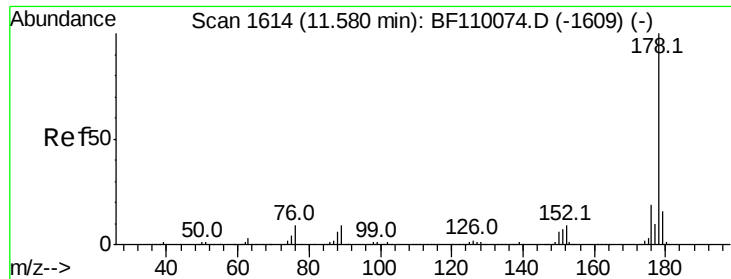
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#71
Phenanthrene
Concen: 11.066 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	121592		
176	19.9		15.5	23.3
179	15.6		12.5	18.7





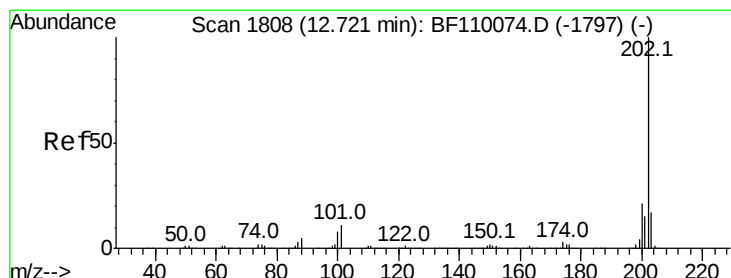
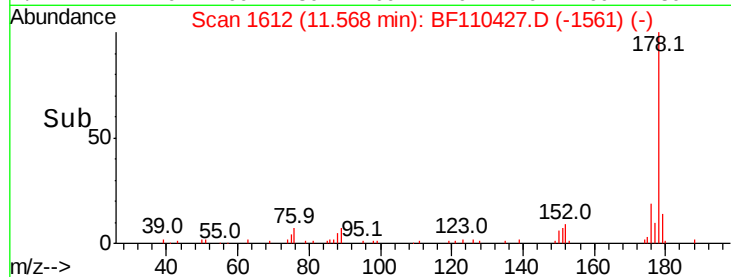
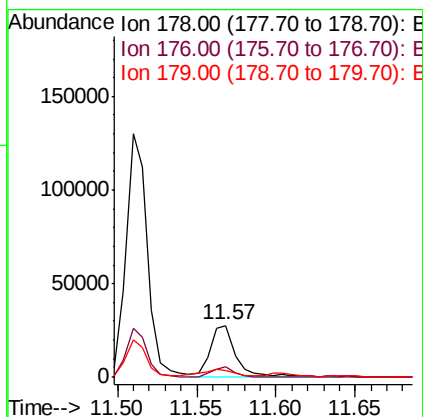
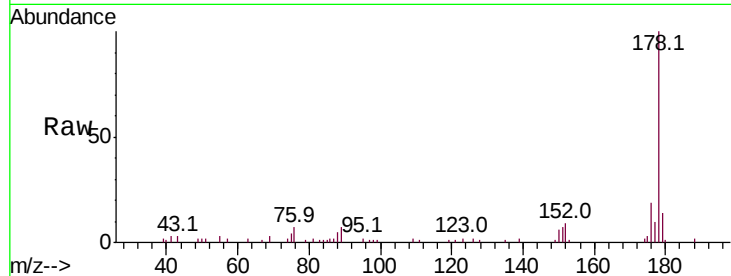
#72
 Anthracene
 Concen: 2.765 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: BF110427.D
 Acq: 2 Nov 2018 22:19

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	13.7	12.6	18.8

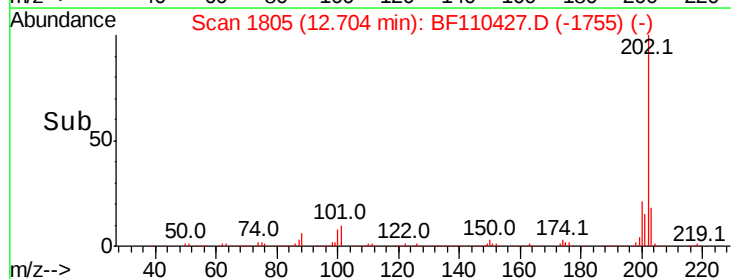
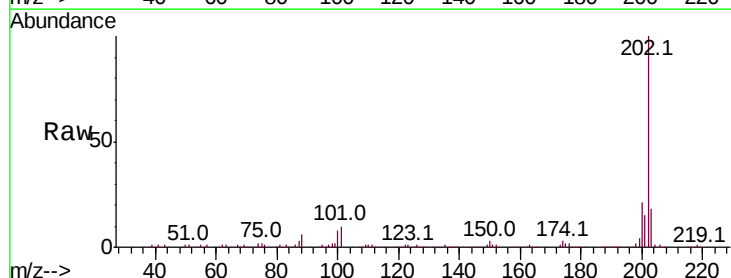
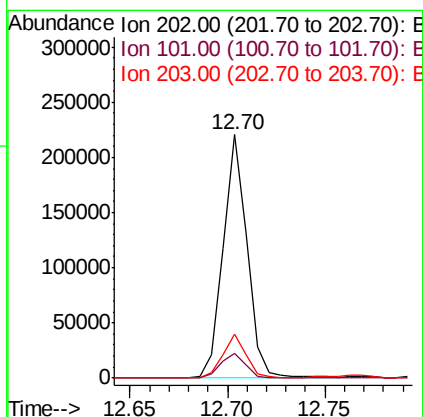
Manual Integrations
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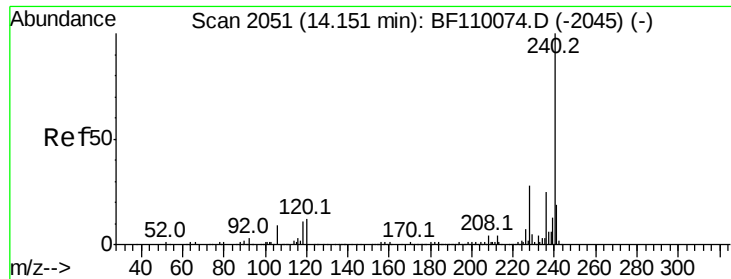
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#75
 Fluoranthene
 Concen: 16.956 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BF110427.D
 Acq: 2 Nov 2018 22:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.4
203	18.0	0.0	37.7





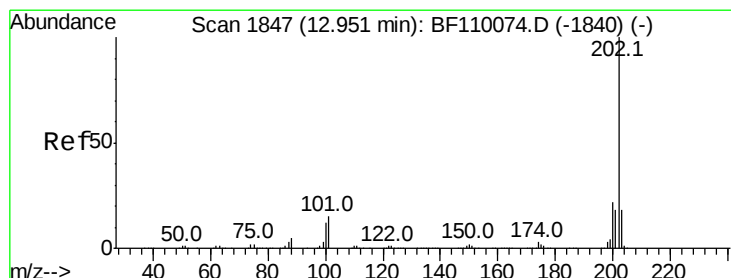
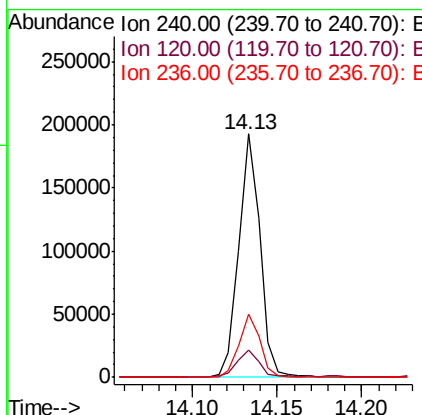
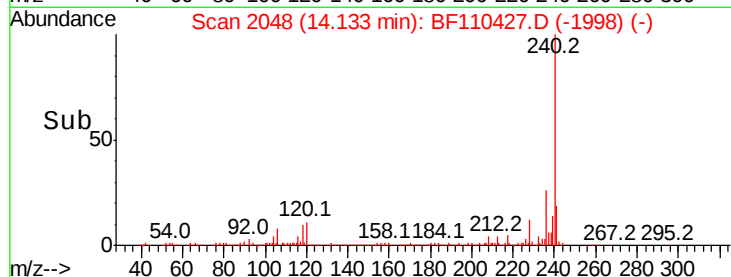
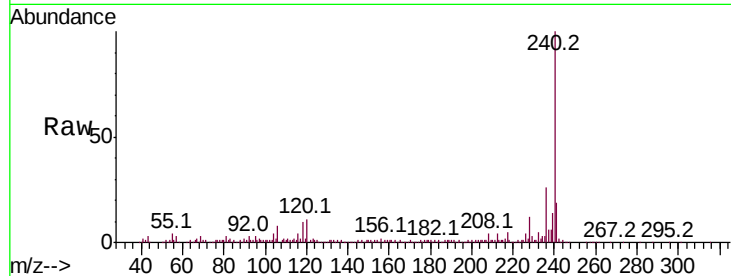
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.3	12.5
236	25.8	21.2	31.8

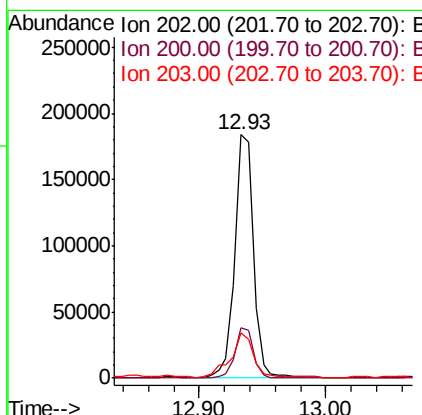
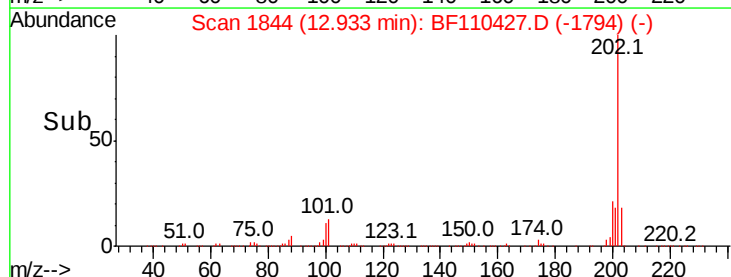
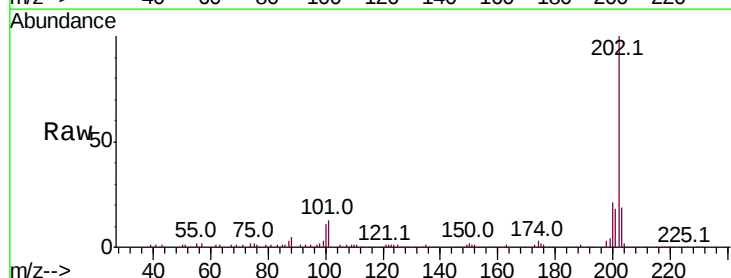
Manual Integrations
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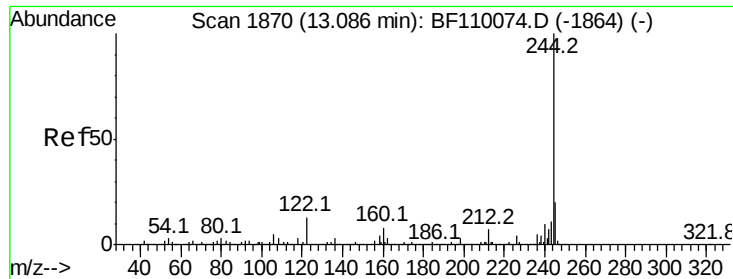
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#78
Pyrene
Concen: 15.251 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.8	26.6
203	18.8	14.2	21.4





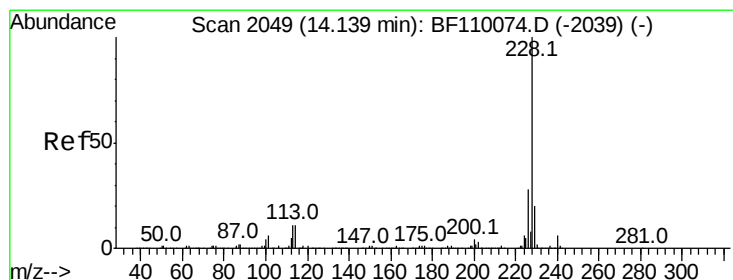
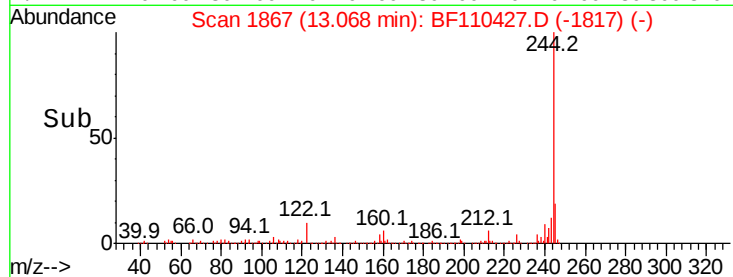
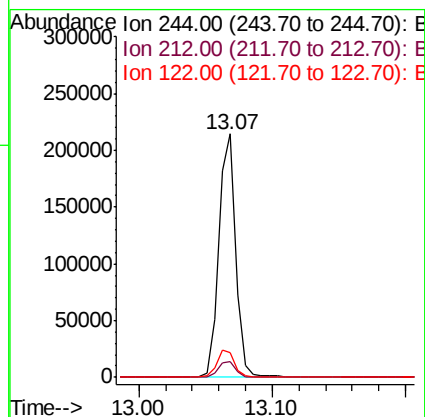
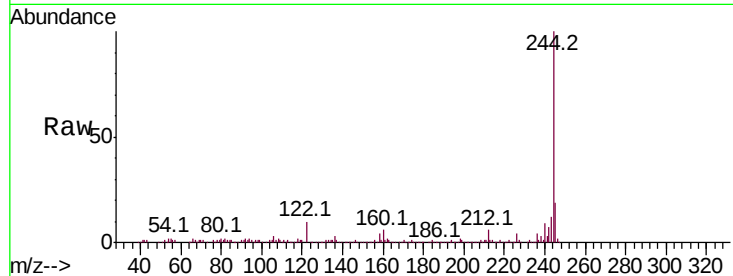
#79
 Terphenyl-d14
 Concen: 23.650 ng
 RT: 13.07 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: BF110427.D
 Acq: 2 Nov 2018 22:19

Instrument :
 BNA_F
 ClientSampled :
 TP-1

Tot Ion:	244	Resp:	192134
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.8	8.8
122	10.0	8.7	13.1

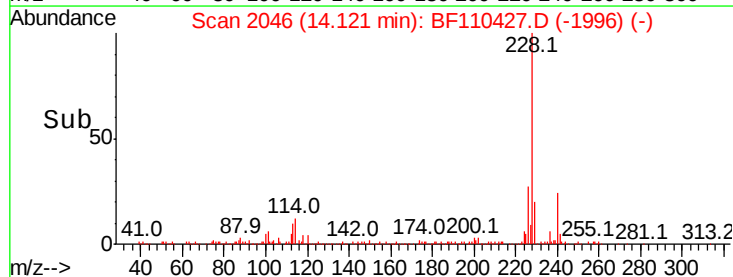
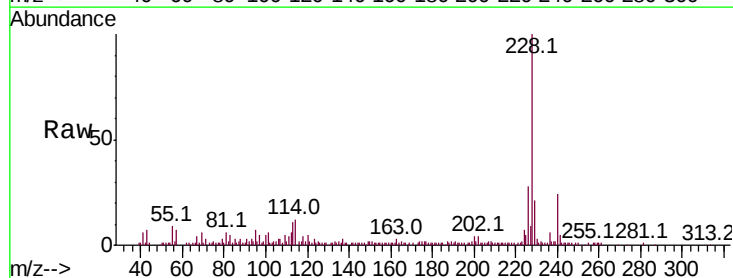
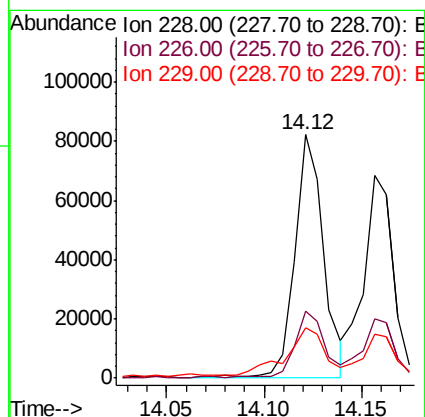
Manual Integrations
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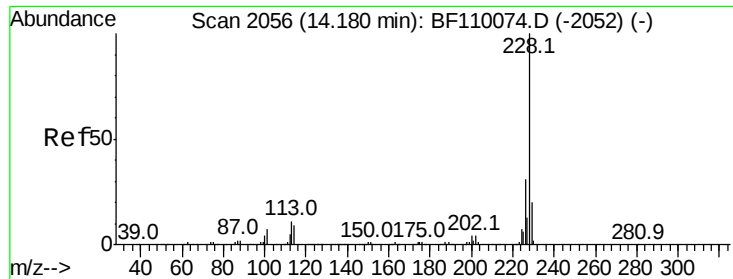
Sohil
 11/5/2018 10:32:49 AM



#81
 Benzo(a)anthracene
 Concen: 8.224 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. -0.01 min
 Lab File: BF110427.D
 Acq: 2 Nov 2018 22:19

Tgt Ion:	228	Resp:	82396
Ion Ratio	Lower	Upper	
228	100		
226	27.6	22.1	33.1
229	20.9	15.6	23.4





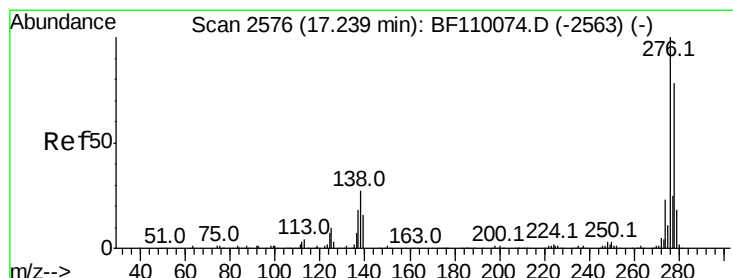
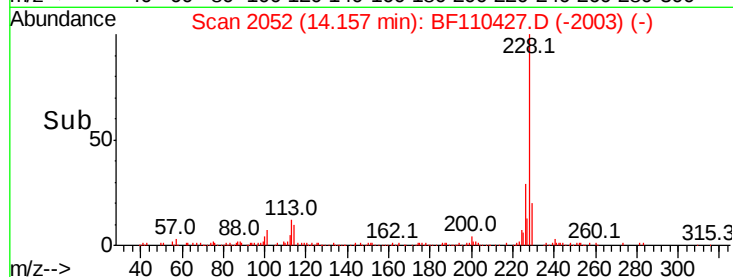
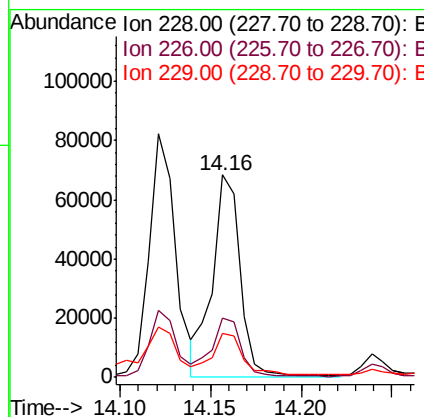
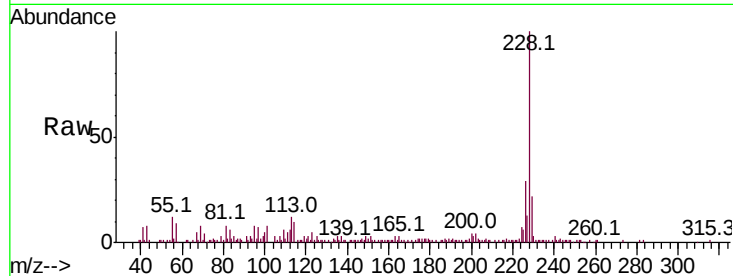
#83
Chrysene
Concen: 7.598 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion:	228	Resp:	72309
Ion Ratio	Lower	Upper	
228	100		
226	29.2	24.7	37.1
229	21.8	15.9	23.9

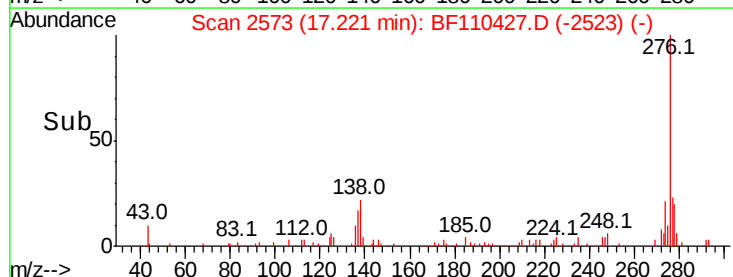
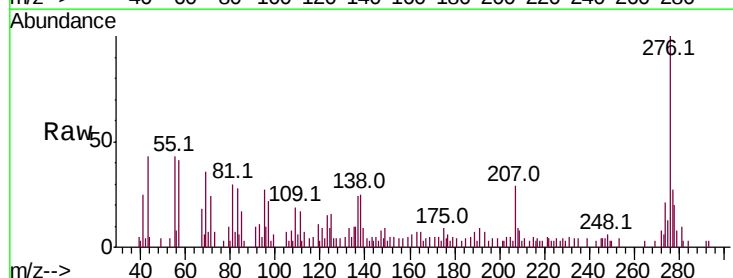
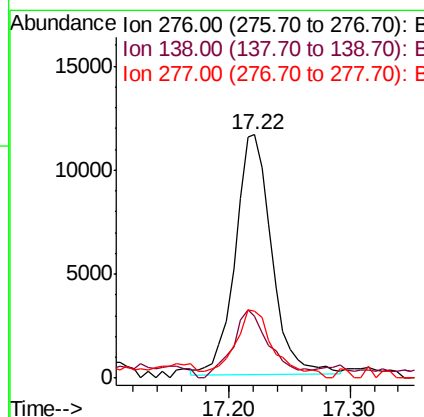
Manual Integrations
APPROVED

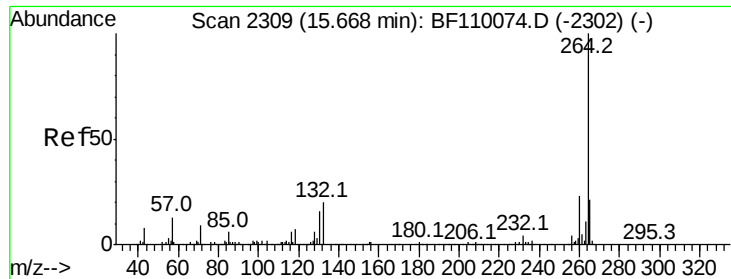
Sohil
11/5/2018 10:32:49 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.086 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Tgt Ion:	276	Resp:	24362
Ion Ratio	Lower	Upper	
276	100		
138	29.5	18.5	27.7#
277	30.7	20.0	30.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. -0.00 min

Lab File: BF110427.D

Acq: 2 Nov 2018 22:19

Instrument :

BNA_F

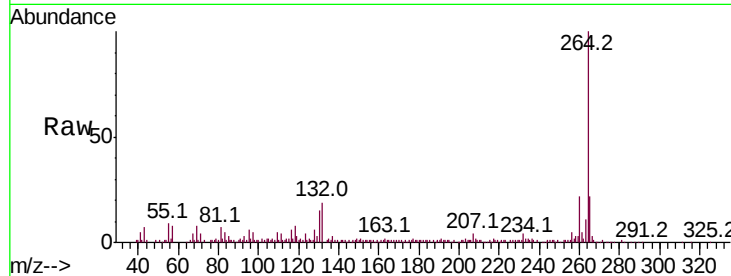
ClientSampled :

TP-1

Tot Ion:	264	Resp:	118869
Ion Ratio	Lower	Upper	
264	100		
260	21.9	18.7	28.1
265	21.7	16.7	25.1

Manual Integrations
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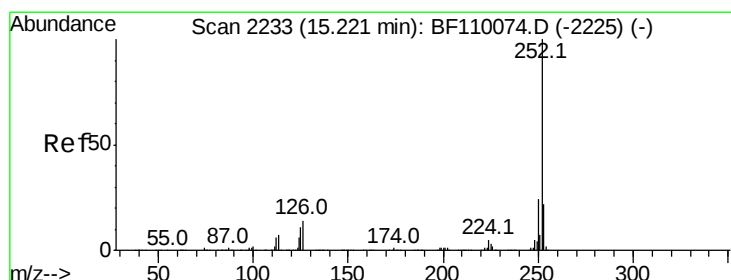
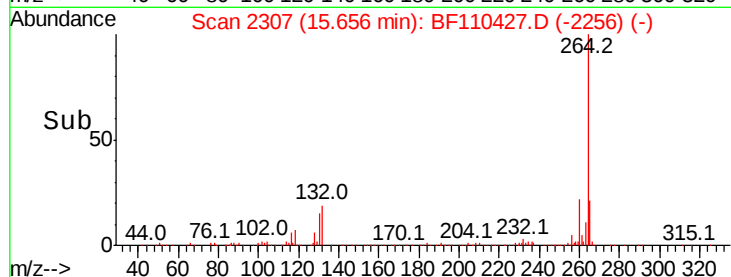
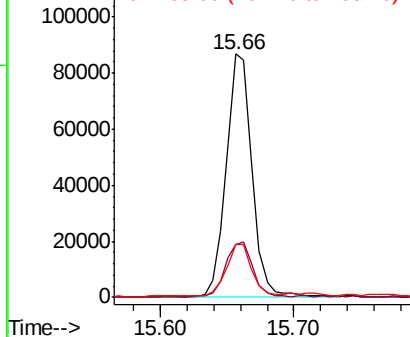


Abundance

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: 10.365 ng m

RT: 15.20 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BF110427.D

Acq: 2 Nov 2018 22:19

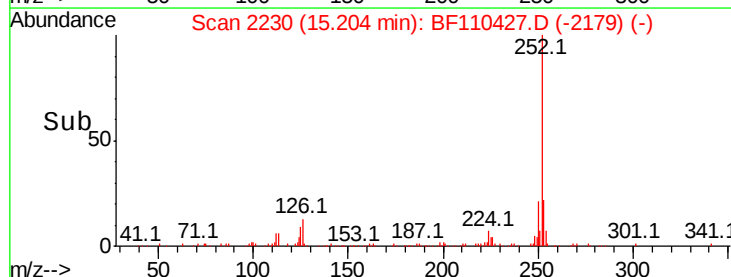
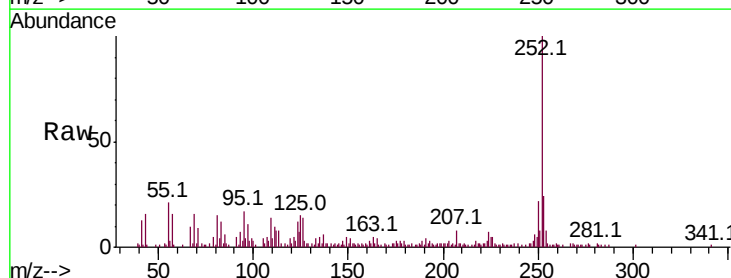
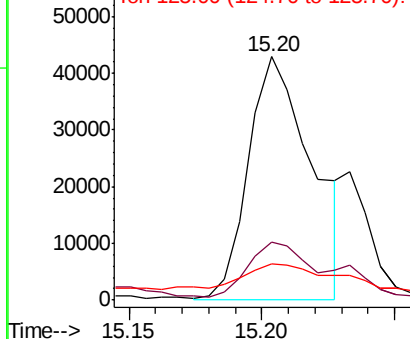
Tgt Ion:	252	Resp:	71147
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.2	25.8
125	15.0	8.2	12.4#

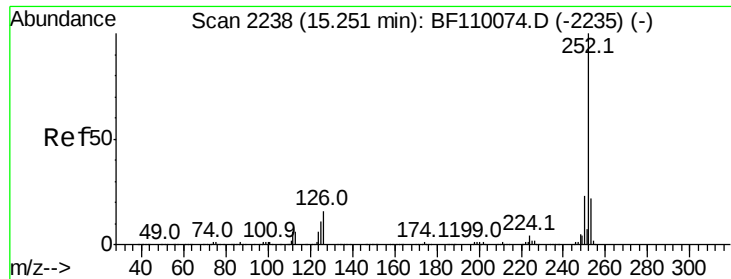
Abundance

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





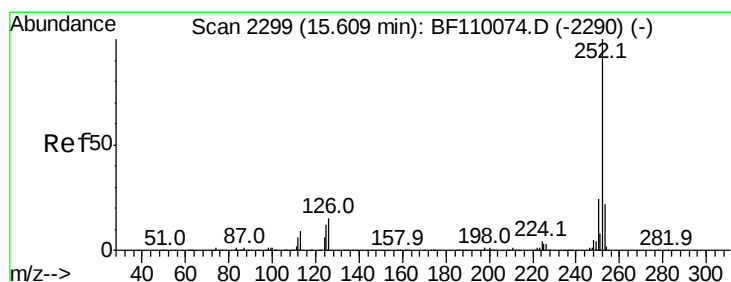
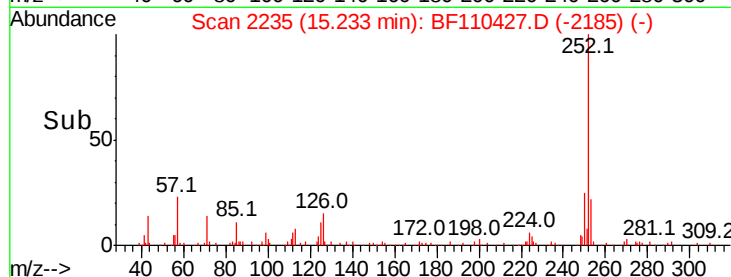
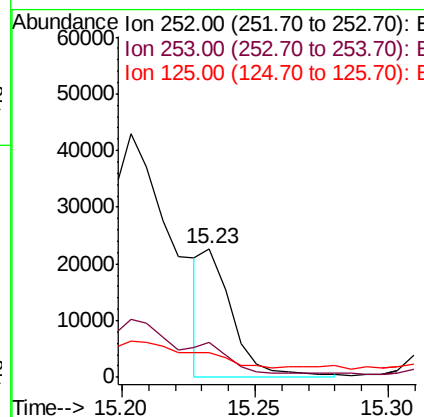
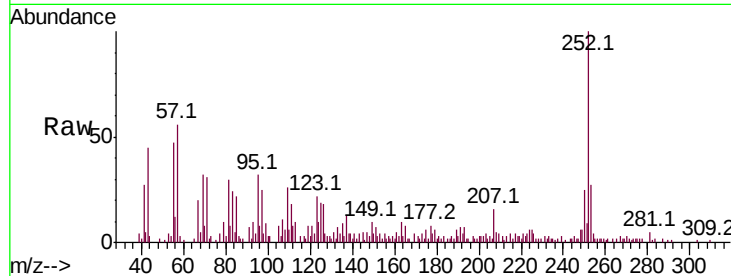
#89
Benzo(k)fluoranthene
Concen: 2.628 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.2	25.8#
125	19.4	7.4	11.0#

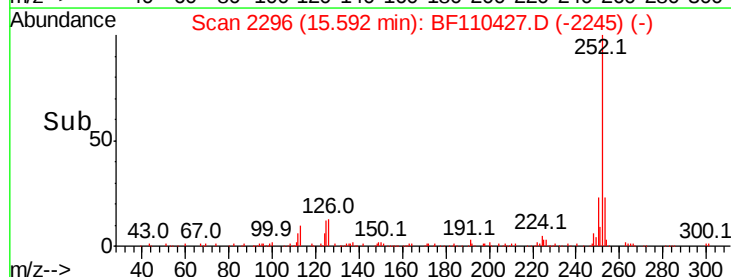
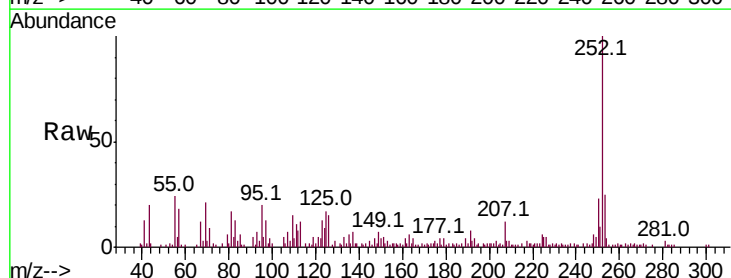
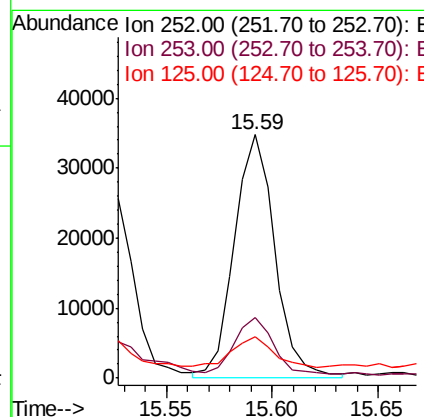
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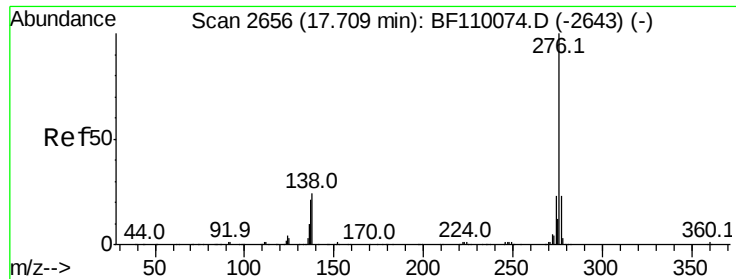
Sohil
11/5/2018 10:32:49 AM



#90
Benzo(a)pyrene
Concen: 7.321 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.00 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.2	27.4
125	17.2	9.0	13.6#





#92
 Benzo(a,h,i)perylene
 Concen: 4.382 ng
 RT: 17.70 min Scan# 2654
 Delta R.T. -0.01 min
 Lab File: BF110427.D
 Acq: 2 Nov 2018 22:19

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.8	28.2
138	32.0	16.0	24.0

Manual Integrations
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Sohil
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