

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108527.D
 Acq On : 27 Aug 2018 23:40
 Operator : JU/SJ
 Sample : J4636-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BYR-2-E(6-7)

Manual Integrations
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Sohil
 8/28/2018 12:16:38 PM

Quant Time: Aug 28 02:25:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	105642	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	376651	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	155940	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	263123	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	259560	20.00	ng	-0.01
86) Perylene-d12	15.75	264	176064	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	480195	82.29	ng	0.00
7) Phenol-d6	6.62	99	640885	82.65	ng	-0.01
23) Nitrobenzene-d5	7.56	82	403943	59.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	129992	83.57	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	722411	74.38	ng	-0.01
78) Terphenyl-d14	13.12	244	631799	61.89	ng	0.00
Target Compounds						
10) Phenol	6.63	94	17871	2.228	ng	# 68
49) Dimethylphthalate	9.75	163	82687	7.612	ng	# 99
70) Phenanthrene	11.56	178	44928	3.620	ng	99
74) Fluoranthene	12.76	202	140186	10.350	ng	93
77) Pyrene	12.99	202	122933	7.481	ng	99
80) Benzo(a)anthracene	14.18	228	84202	5.653	ng	98
82) Chrysene	14.22	228	84191	6.165	ng	97
85) Indeno(1,2,3-cd)pyrene	17.36	276	33238	2.809	ng	# 87
87) Benzo(b)fluoranthene	15.28	252	101589m	9.656	ng	
88) Benzo(k)fluoranthene	15.31	252	28090m	2.905	ng	
89) Benzo(a)pyrene	15.68	252	57334	6.086	ng	96
91) Benzo(a,h,i)perylene	17.85	276	32040	4.174	ng	92

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

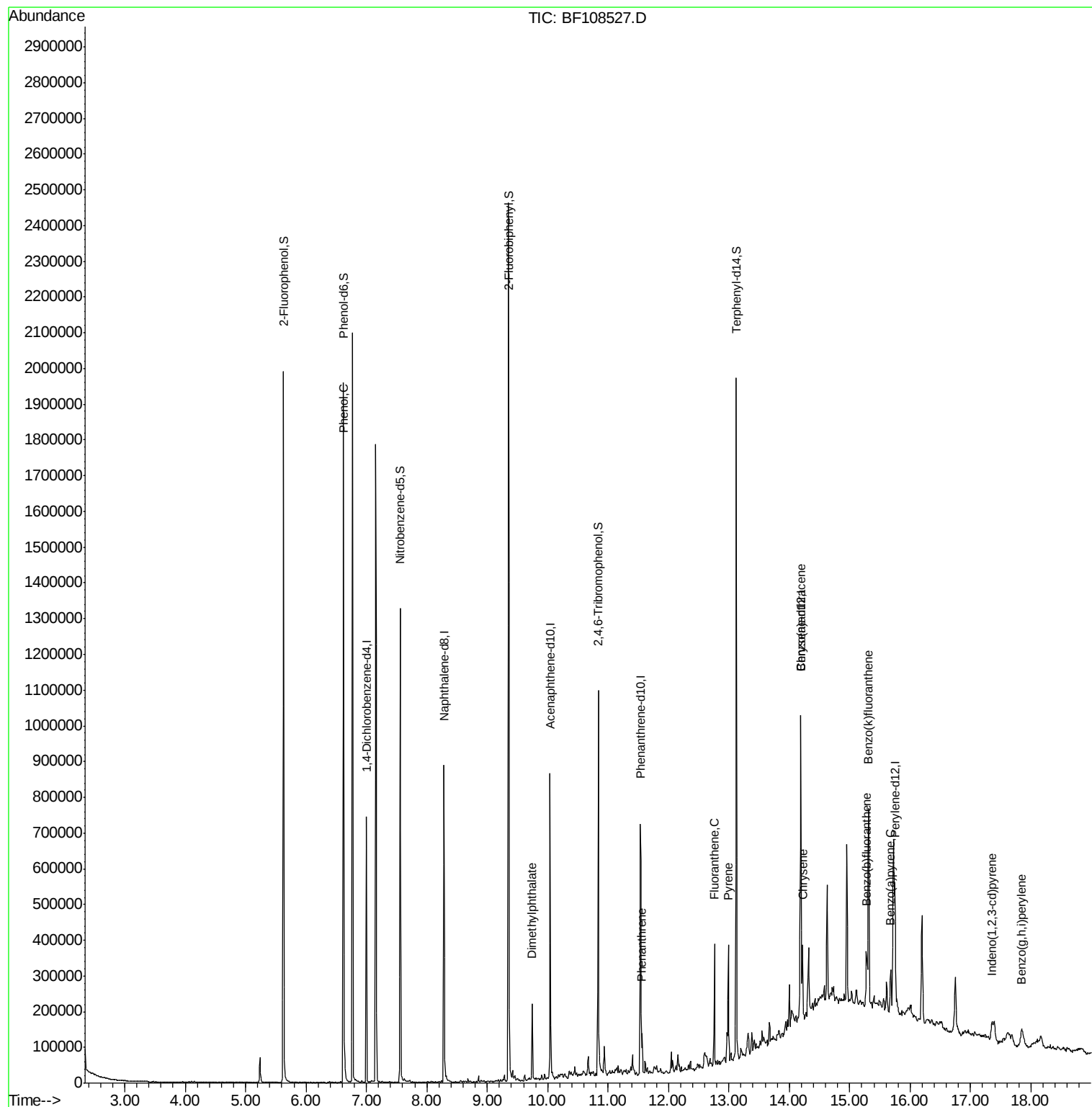
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
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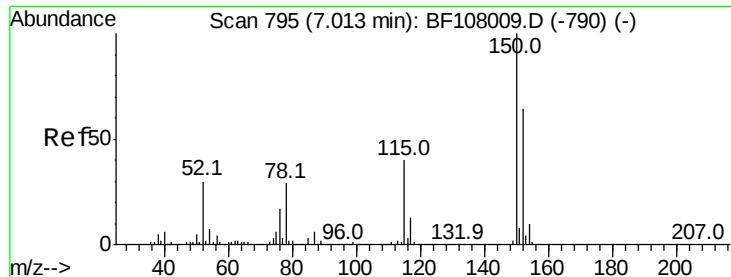
Instrument :
BNA_F
ClientSampleId :
BYR-2-E(6-7)

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#1

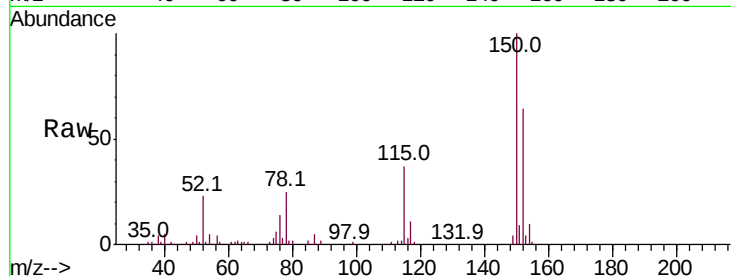
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108527.D
Acq: 27 Aug 2018 23:40

Instrument :
BNA_F
ClientSampled :
BYR-2-E(6-7)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	57.5	50.1	75.1

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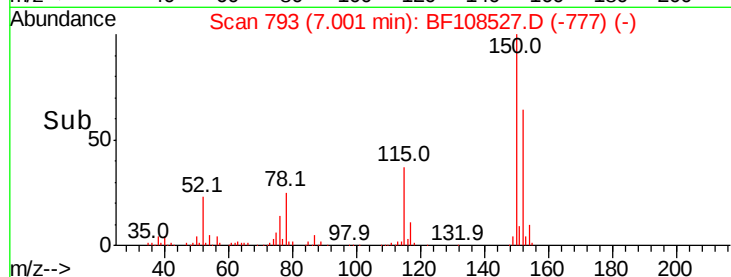
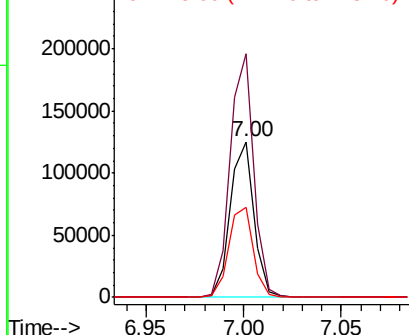


Abundance

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: 82.294 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108527.D
Acq: 27 Aug 2018 23:40

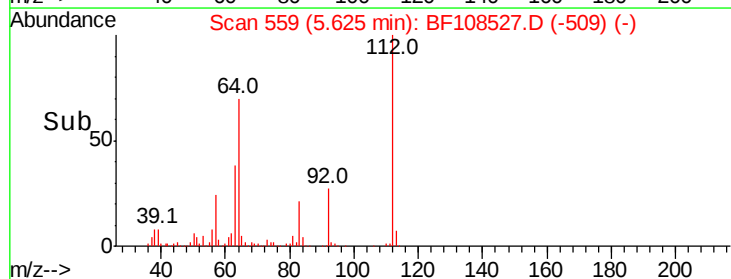
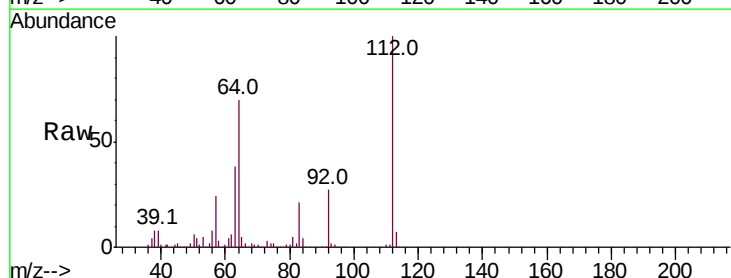
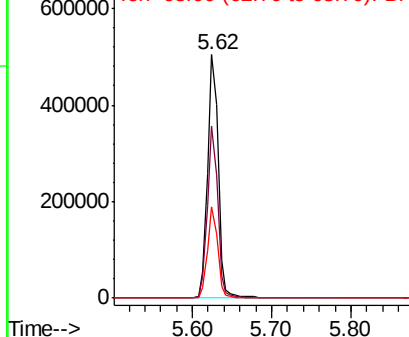
Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	47.9	71.9
63	37.7	23.7	35.5

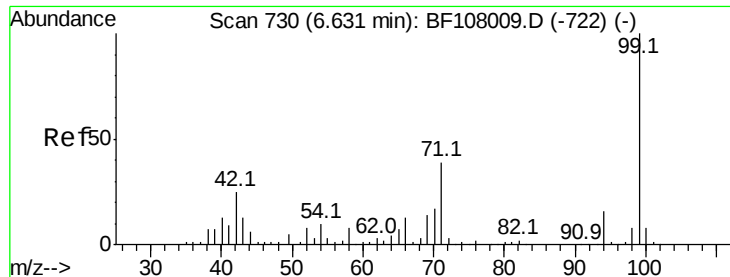
Abundance

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: 82.651 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108527.D

Acq: 27 Aug 2018 23:40

Instrument :

BNA_F

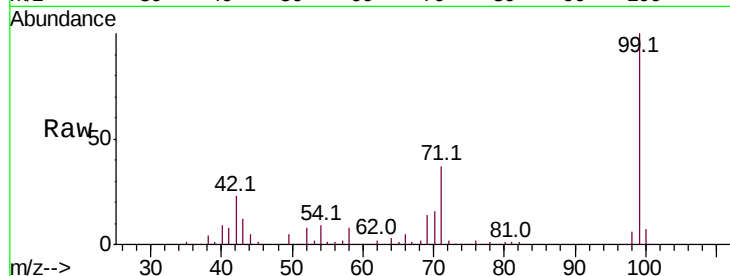
ClientSampleId :

BYR-2-E(6-7)

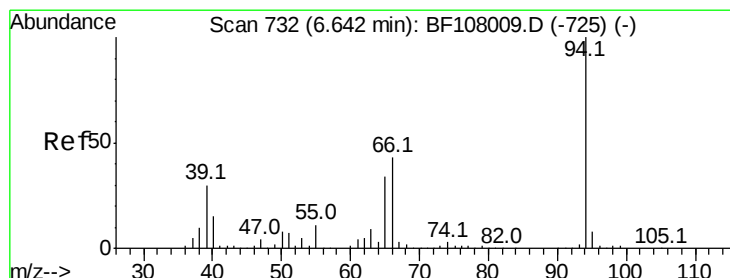
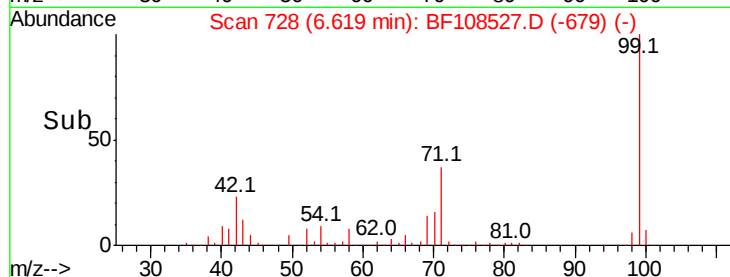
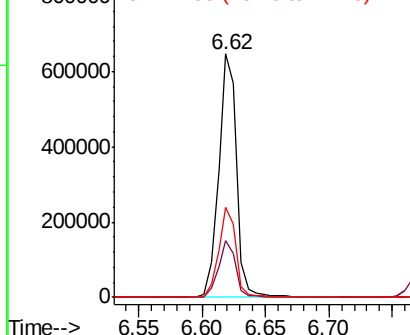
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		640885		
42	23.3	14.5	21.7#		
71	36.8	25.4	38.0		

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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



#10

Phenol

Concen: 2.228 ng

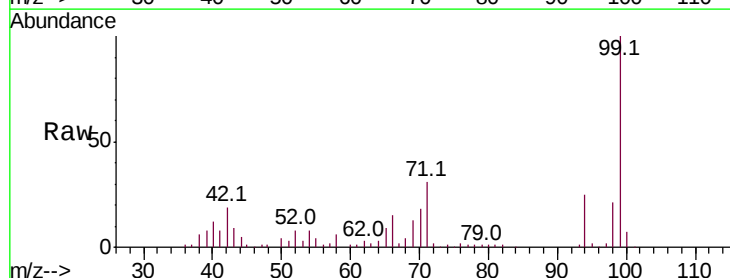
RT: 6.63 min Scan# 730

Delta R.T. -0.01 min

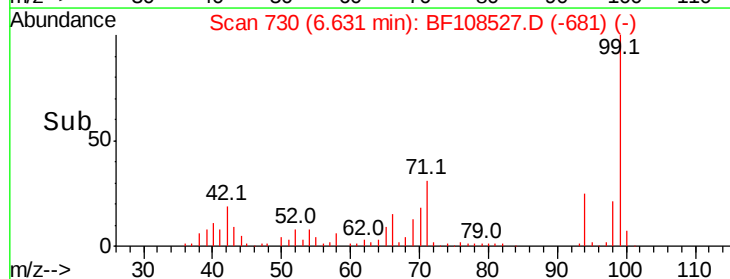
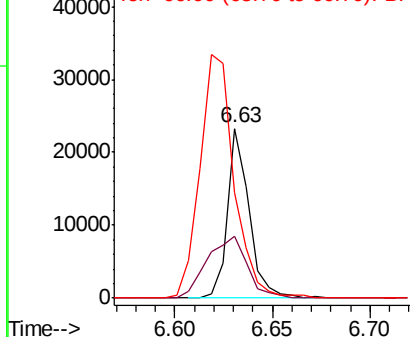
Lab File: BF108527.D

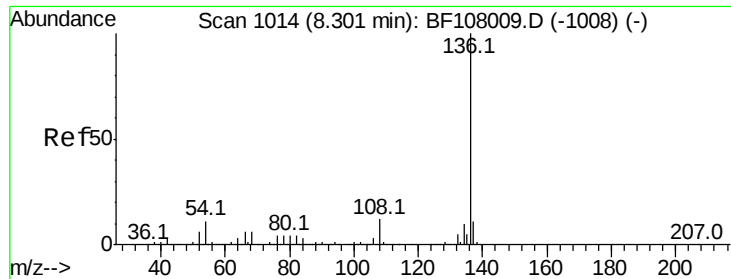
Acq: 27 Aug 2018 23:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		17871		
65	36.4	7.9	47.9		
66	61.8	16.2	56.2#		



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





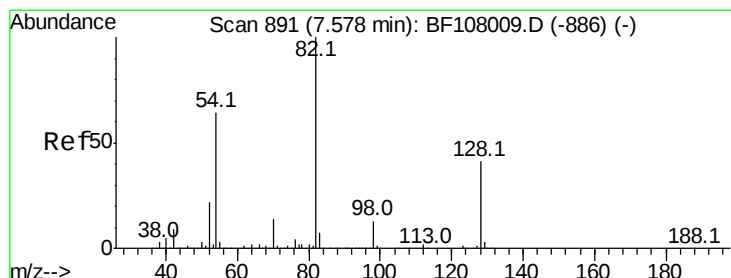
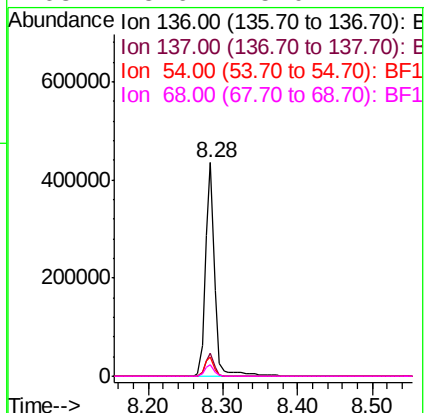
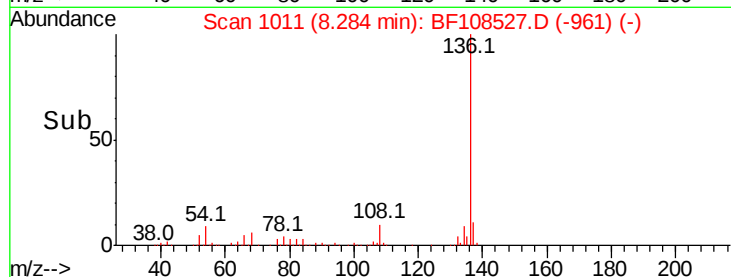
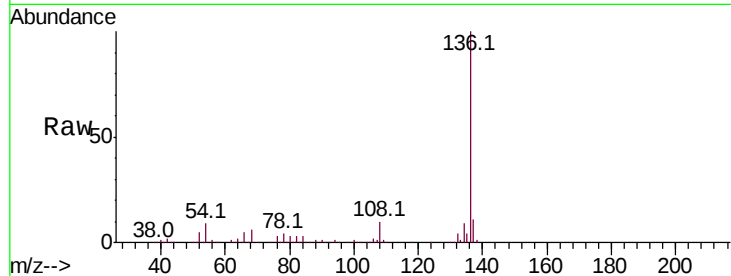
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108527.D
Acq: 27 Aug 2018 23:40

Instrument :
BNA_F
ClientSampleId :
BYR-2-E(6-7)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	9.1	6.6	9.8	
68	5.6	5.0	7.4	

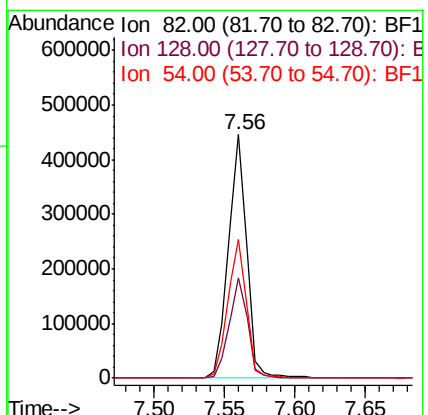
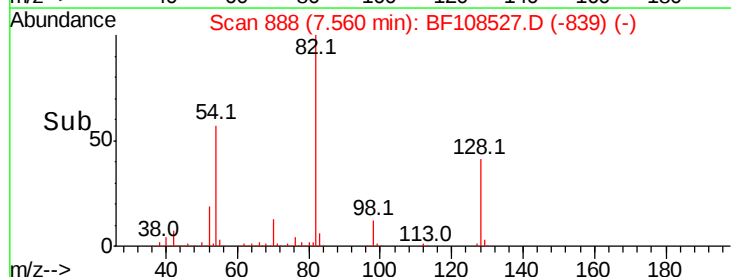
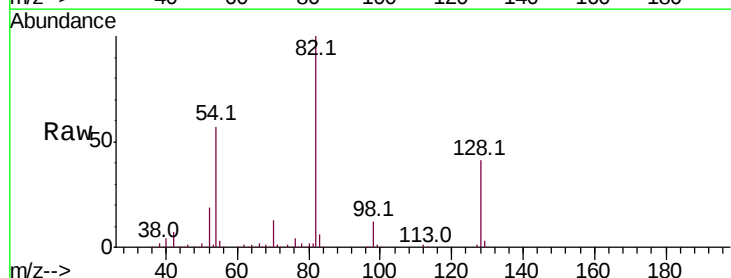
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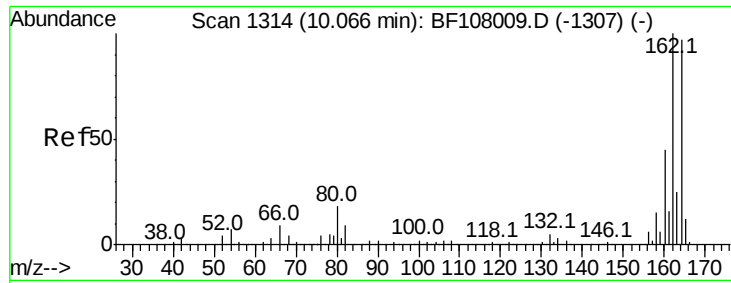
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#23
Nitrobenzene-d5
Concen: 59.845 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108527.D
Acq: 27 Aug 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.2	36.1	54.1	
54	57.1	41.4	62.2	





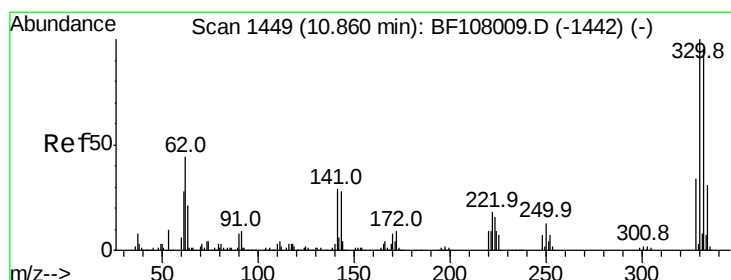
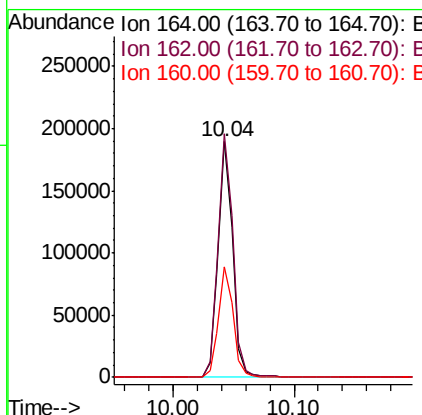
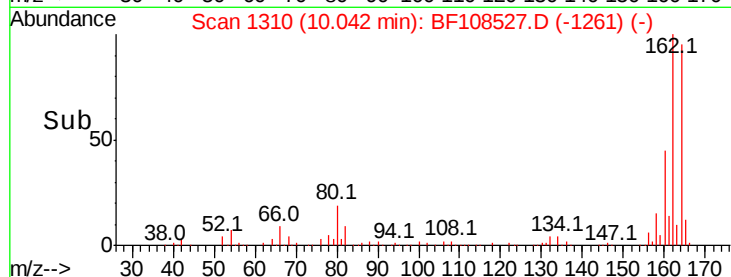
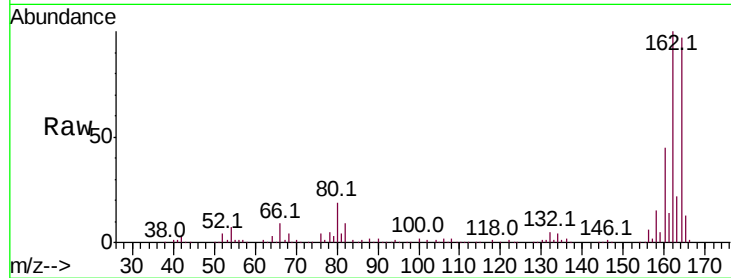
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108527.D
 Acq: 27 Aug 2018 23:40

Instrument :
 BNA_F
 ClientSampleId :
 BYR-2-E(6-7)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.4	86.1	129.1	
160	46.7	38.3	57.5	

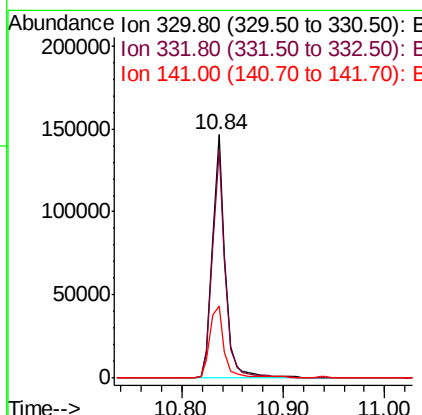
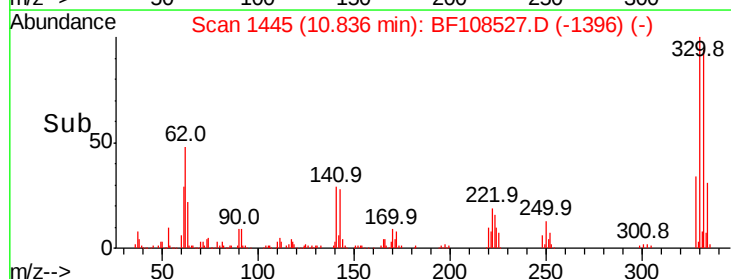
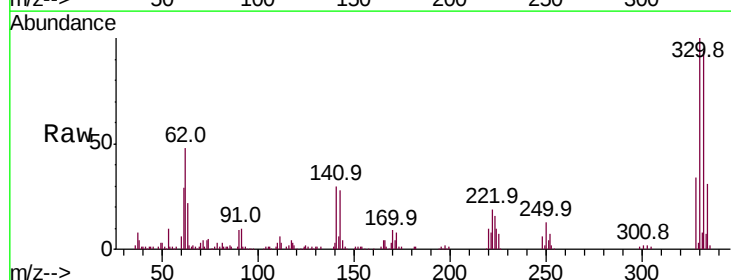
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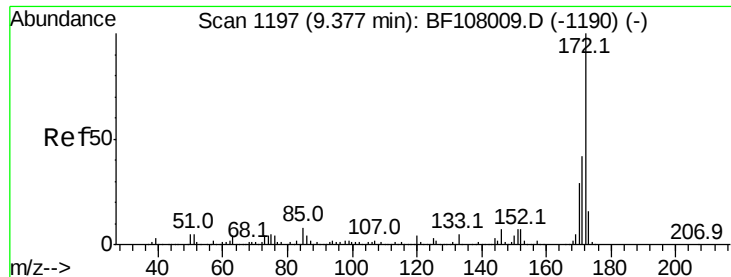
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#41
 2,4,6-Tribromophenol
 Concen: 83.571 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108527.D
 Acq: 27 Aug 2018 23:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.9	77.0	115.6	
141	33.0	29.9	44.9	





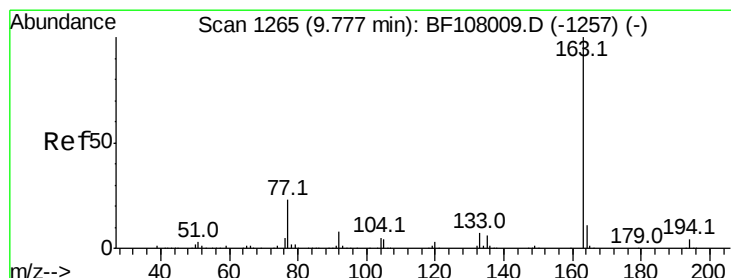
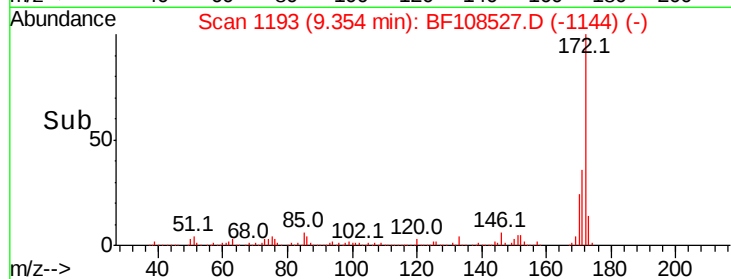
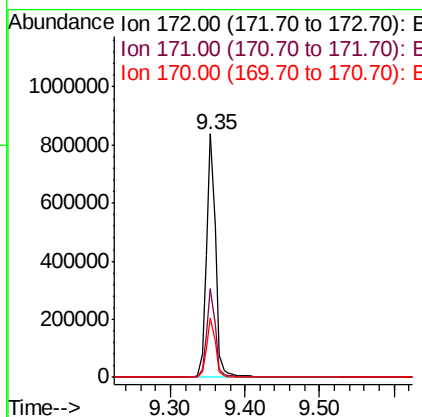
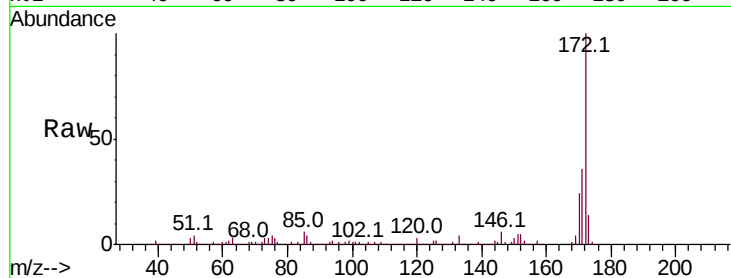
#44
2-Fluorobiphenyl
Concen: 74.375 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108527.D
Acq: 27 Aug 2018 23:40

Instrument :
BNA_F
ClientSampleId :
BYR-2-E(6-7)

Tot Ion:	172	Resp:	722411
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.7	44.5
170	24.3	19.6	29.4

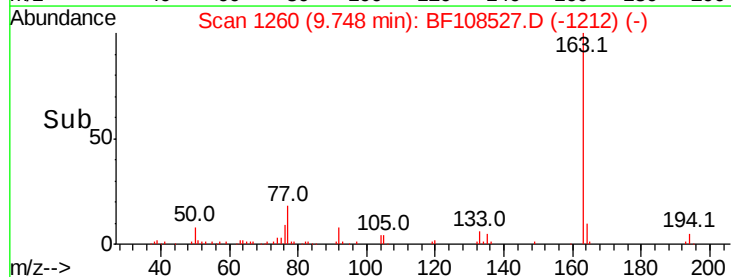
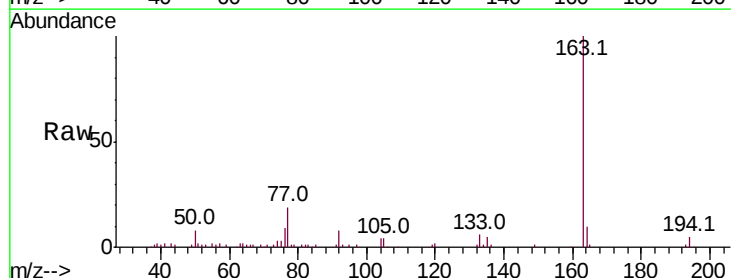
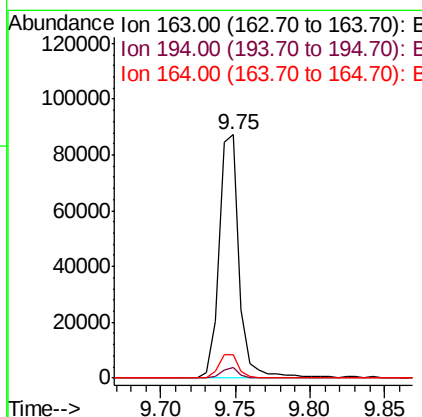
Manual Integrations
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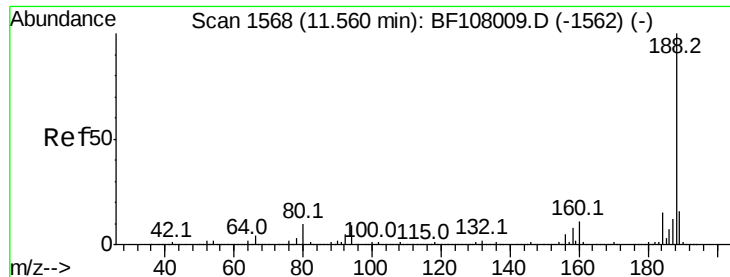
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#49
Dimethylphthalate
Concen: 7.612 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108527.D
Acq: 27 Aug 2018 23:40

Tgt Ion:	163	Resp:	82687
Ion Ratio	Lower	Upper	
163	100		
194	4.5	2.7	4.1#
164	9.9	8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.54 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF108527.D

Acq: 27 Aug 2018 23:40

Instrument :

BNA_F

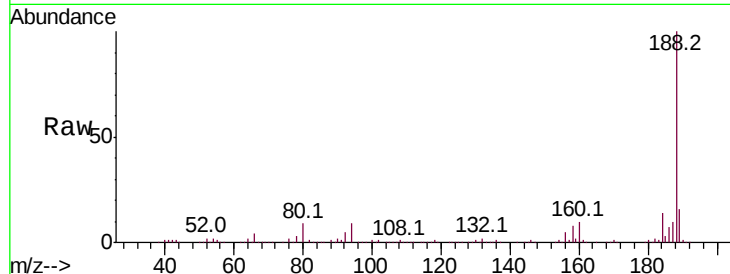
ClientSampleId :

BYR-2-E(6-7)

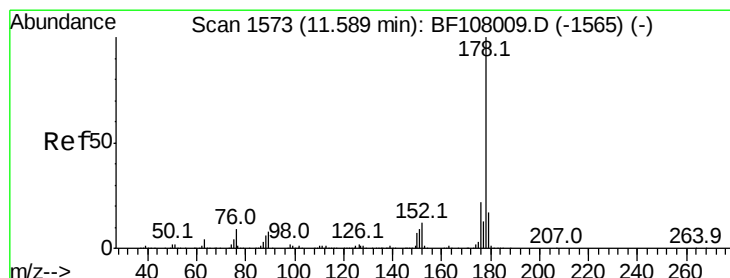
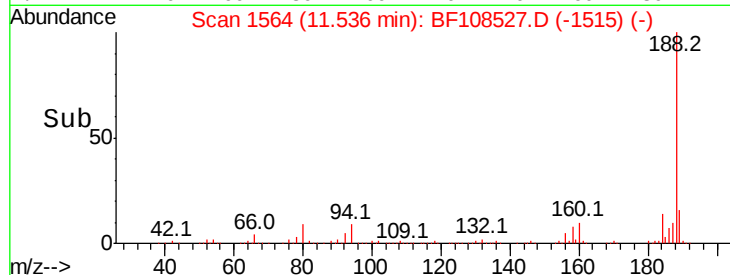
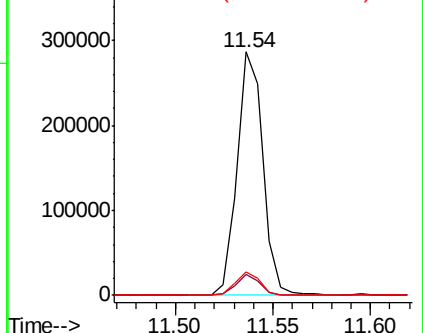
Tot Ion:	188	Resp:	263123
Ion Ratio	Lower	Upper	
188	100		
94	8.8	8.5	12.7
80	9.5	9.2	13.8

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 3.620 ng

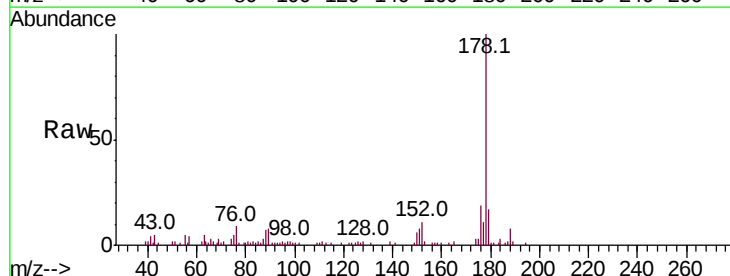
RT: 11.56 min Scan# 1568

Delta R.T. -0.01 min

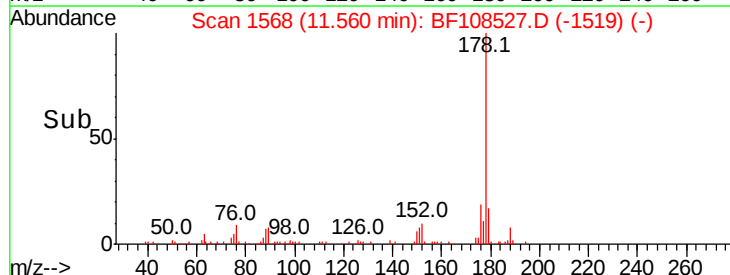
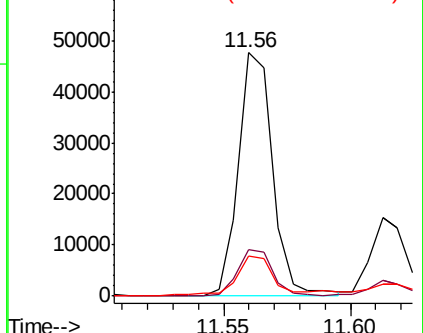
Lab File: BF108527.D

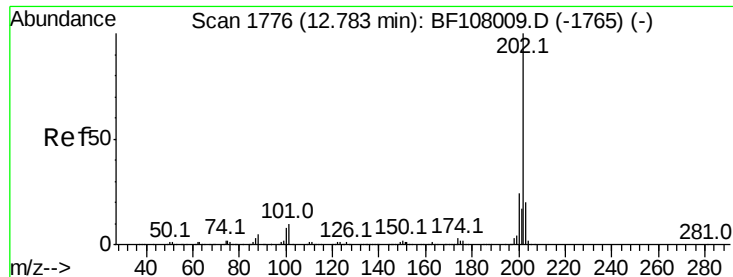
Acq: 27 Aug 2018 23:40

Tgt Ion:	178	Resp:	44928
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	16.7	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 10.350 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108527.D

Acq: 27 Aug 2018 23:40

Instrument :

BNA_F

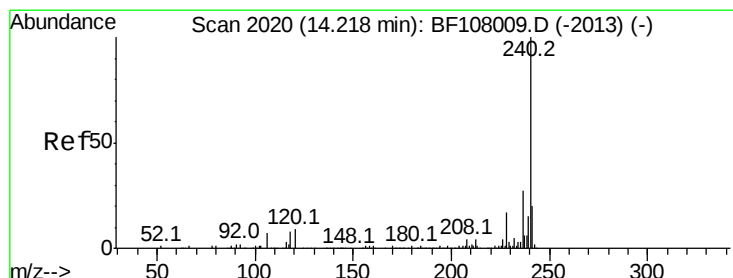
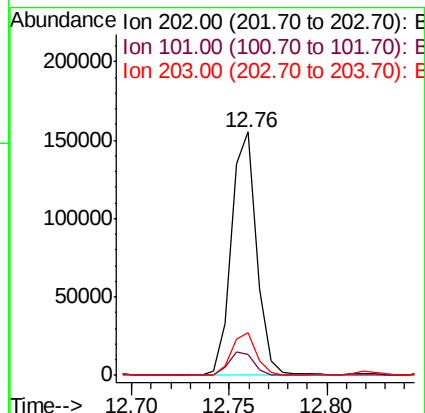
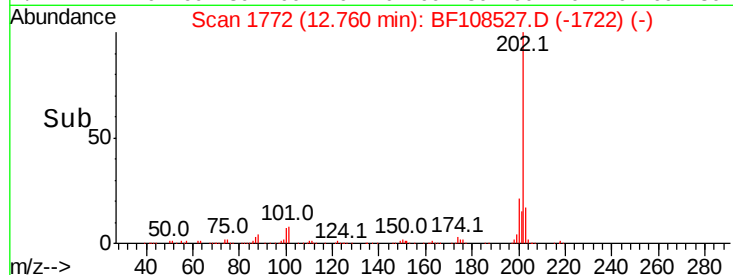
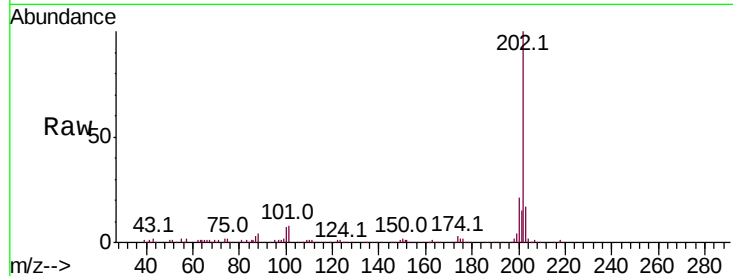
ClientSampleId :

BYR-2-E(6-7)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.3	0.0	34.1
203	17.4	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

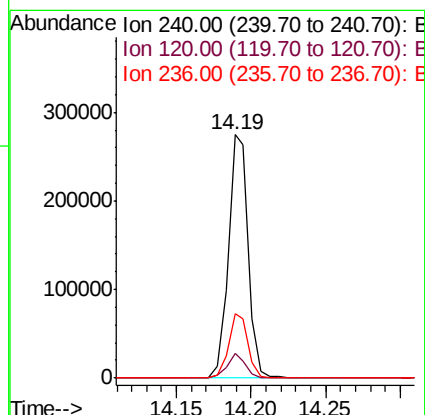
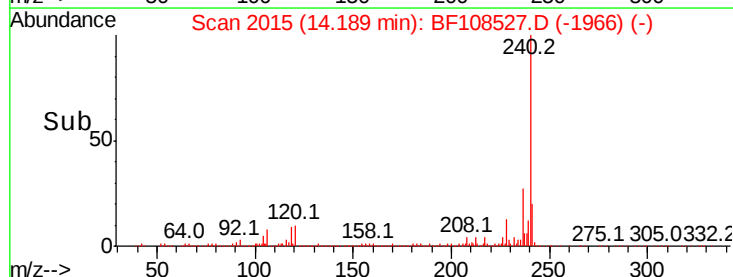
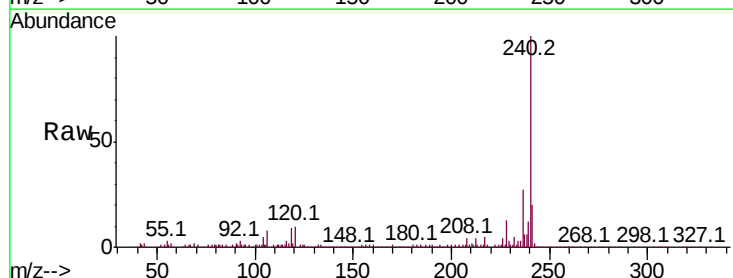
RT: 14.19 min Scan# 2015

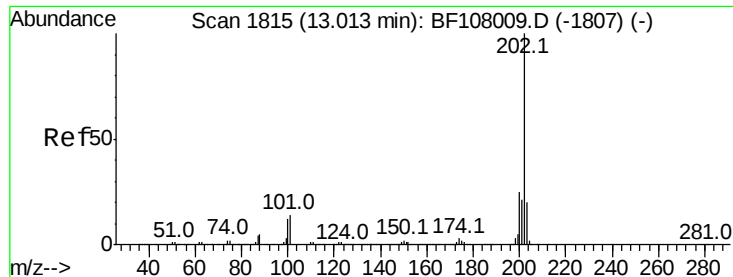
Delta R.T. -0.01 min

Lab File: BF108527.D

Acq: 27 Aug 2018 23:40

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.4	9.5	14.3
236	26.7	20.7	31.1





#77

Pvrene

Concen: 7.481 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108527.D

Acq: 27 Aug 2018 23:40

Instrument :

BNA_F

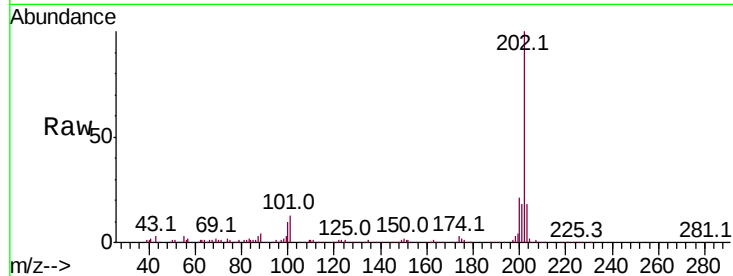
ClientSampleId :

BYR-2-E(6-7)

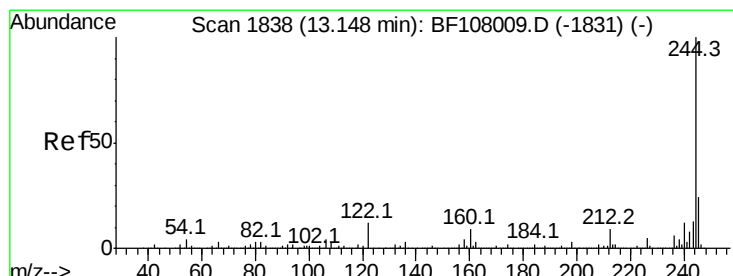
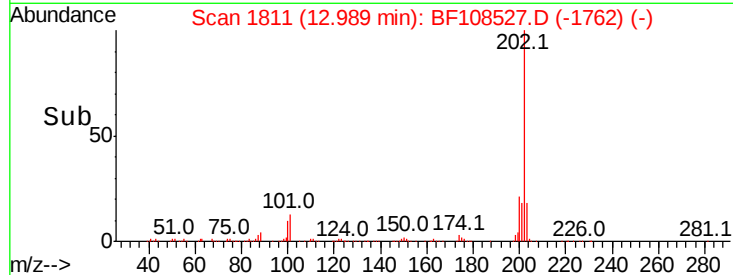
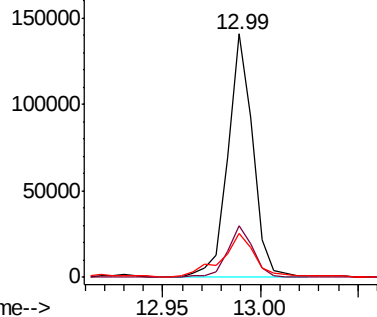
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.9	14.3	21.5

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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



#78

Terphenyl-d14

Concen: 61.889 ng

RT: 13.12 min Scan# 1834

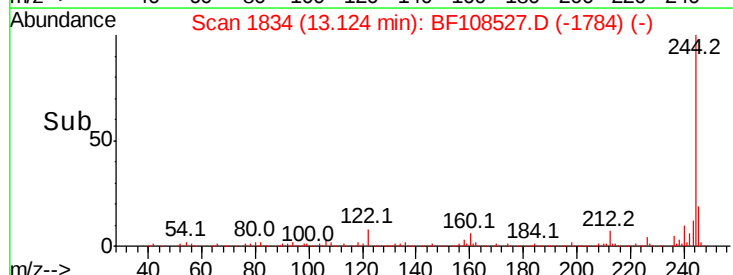
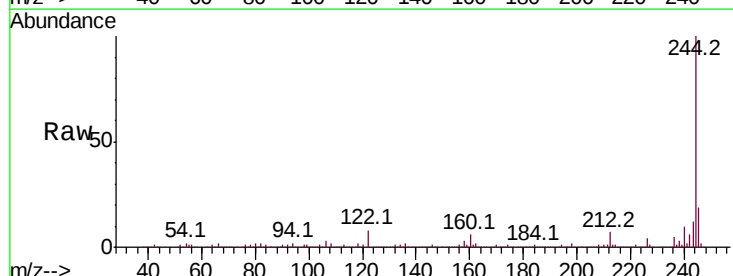
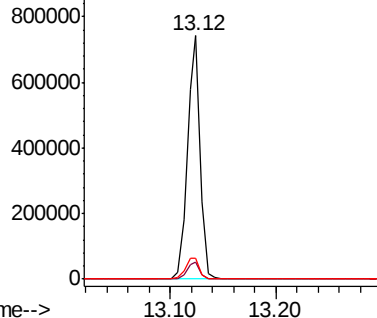
Delta R.T. -0.01 min

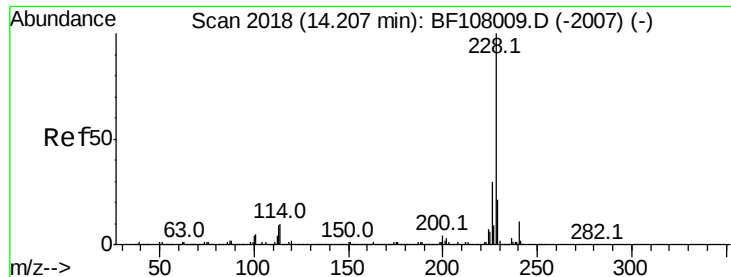
Lab File: BF108527.D

Acq: 27 Aug 2018 23:40

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.4	8.0
122	8.4	11.0	16.4#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





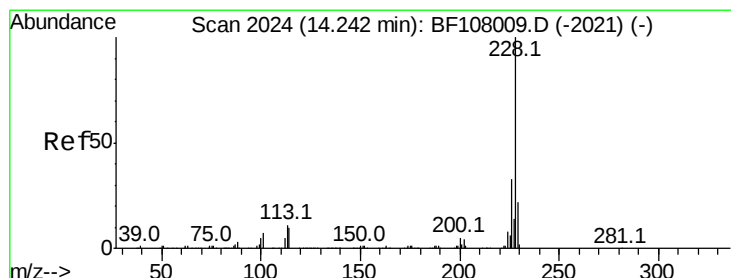
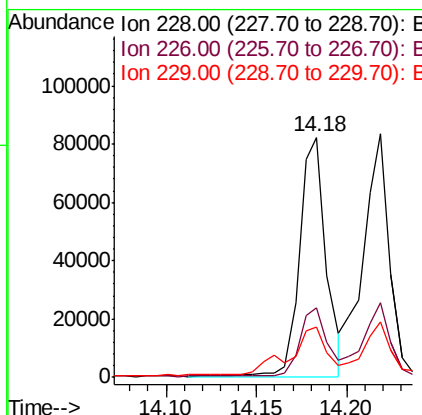
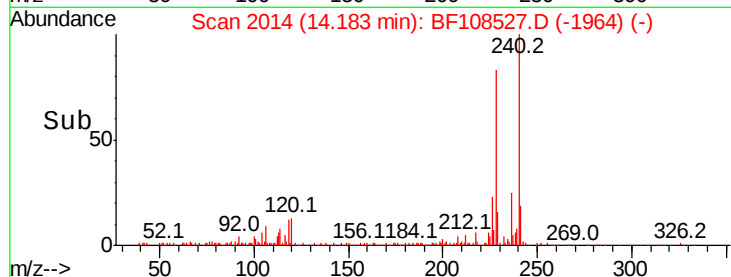
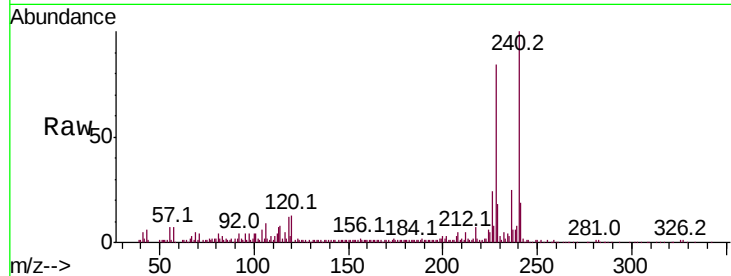
#80
Benzo(a)anthracene
Concen: 5.653 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108527.D
Acq: 27 Aug 2018 23:40

Instrument :
BNA_F
ClientSampleId :
BYR-2-E(6-7)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	21.0	15.8	23.6

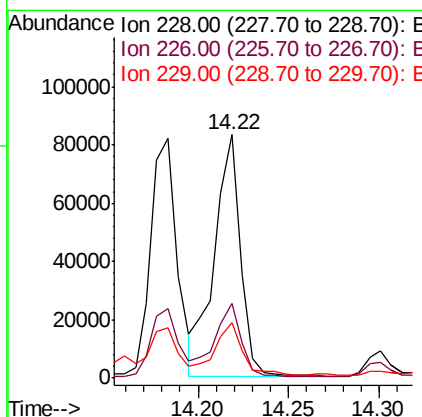
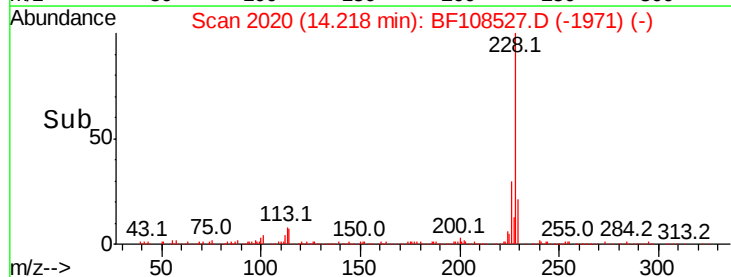
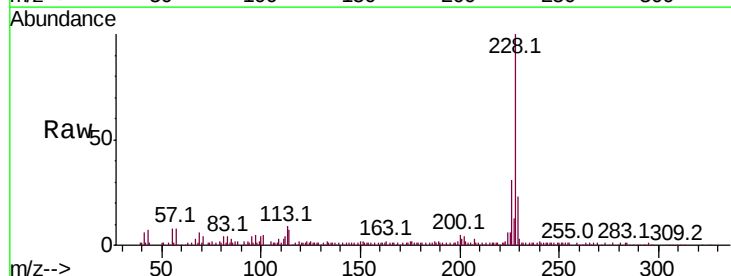
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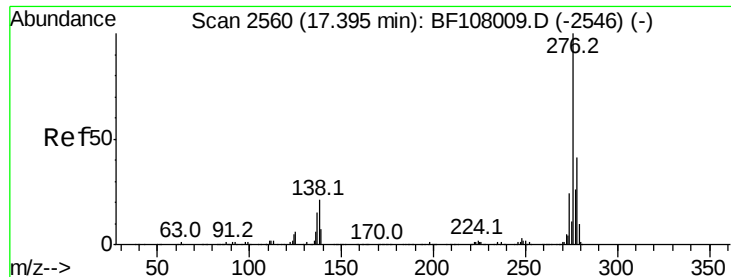
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#82
Chrysene
Concen: 6.165 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108527.D
Acq: 27 Aug 2018 23:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	22.7	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.809 ng

RT: 17.36 min Scan# 2554

Delta R.T. -0.01 min

Lab File: BF108527.D

Acq: 27 Aug 2018 23:40

Instrument :

BNA_F

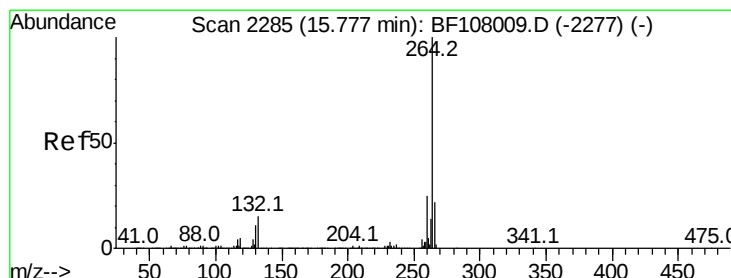
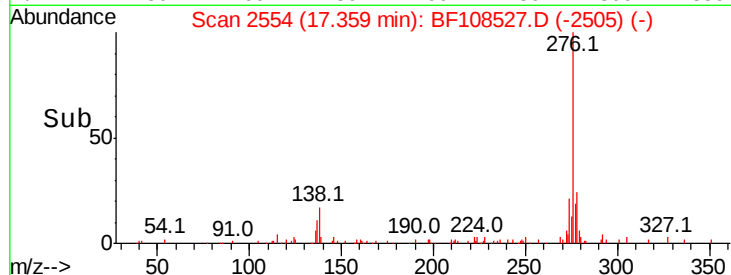
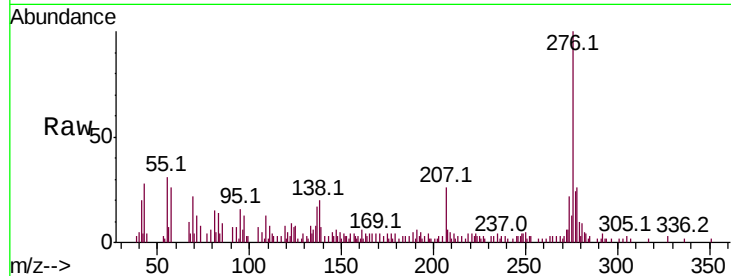
ClientSampleId :

BYR-2-E(6-7)

Tot Ion:	276	Resp:	33238
Ion Ratio	Lower	Upper	
276	100		
138	19.4	25.0	37.6#
277	26.1	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

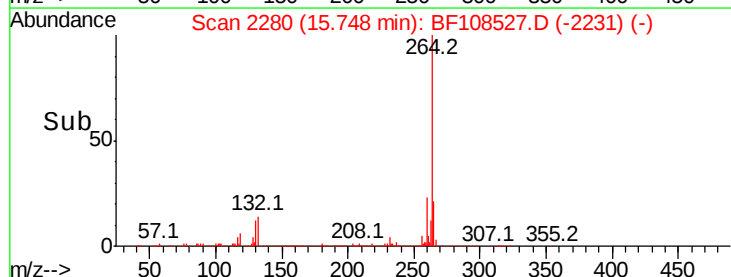
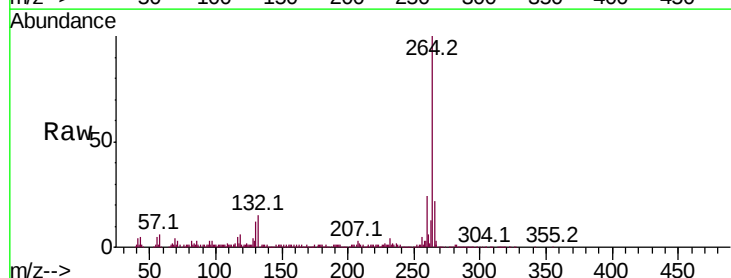
RT: 15.75 min Scan# 2280

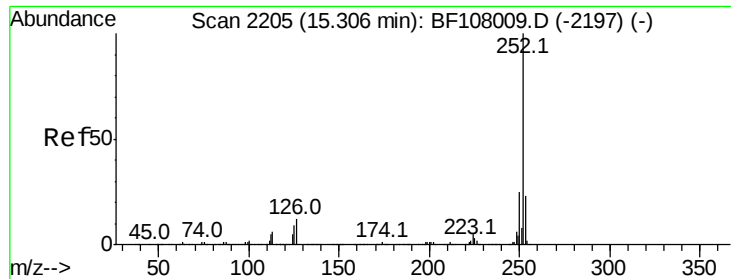
Delta R.T. -0.01 min

Lab File: BF108527.D

Acq: 27 Aug 2018 23:40

Tgt Ion:	264	Resp:	176064
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 9.656 ng m

RT: 15.28 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF108527.D

Acq: 27 Aug 2018 23:40

Instrument :

BNA_F

ClientSampleId :

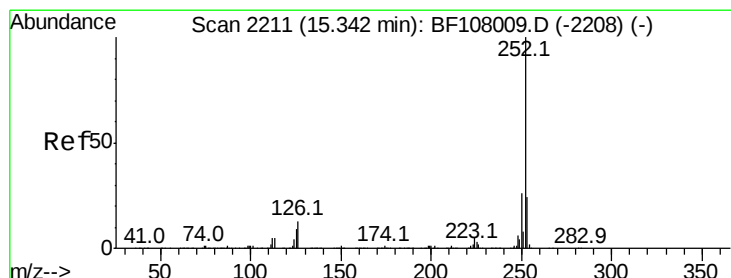
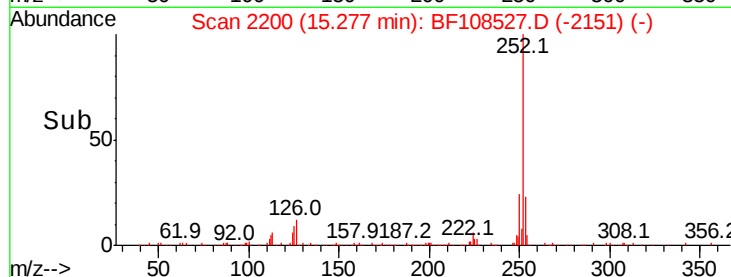
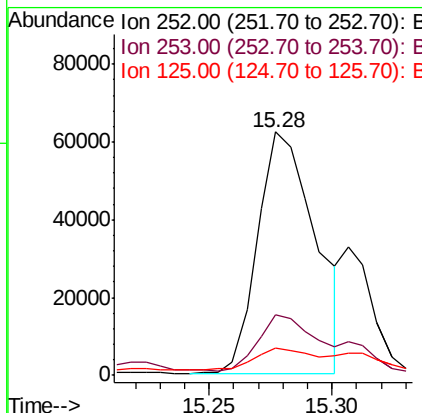
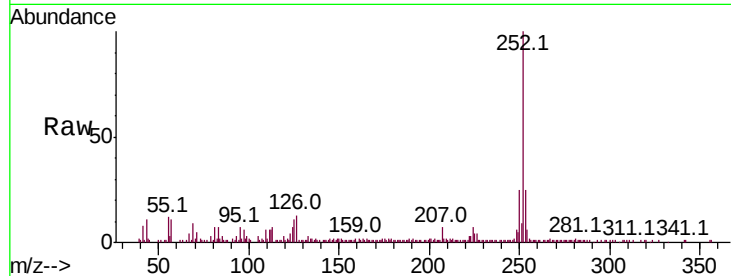
BYR-2-E(6-7)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	24.9	17.0	25.6		
125	11.1	9.0	13.6		

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#88

Benzo(k)fluoranthene

Concen: 2.905 ng m

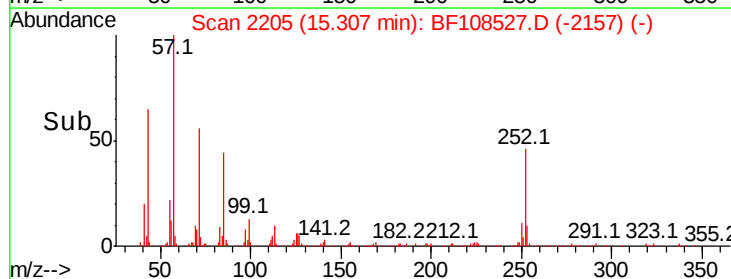
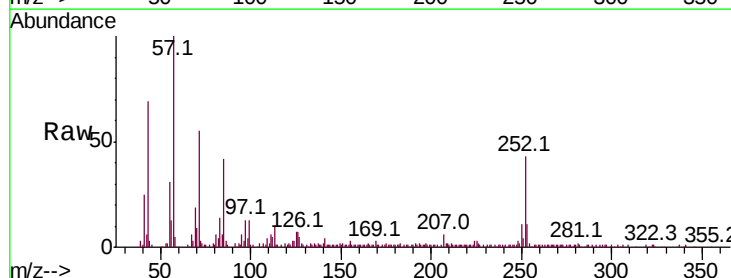
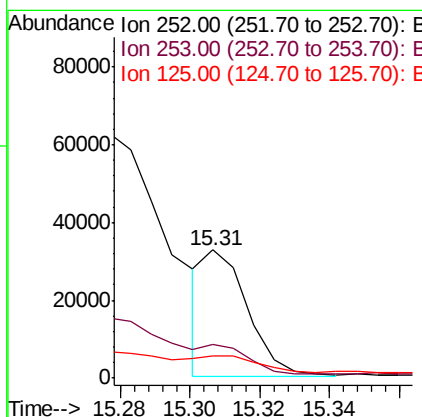
RT: 15.31 min Scan# 2205

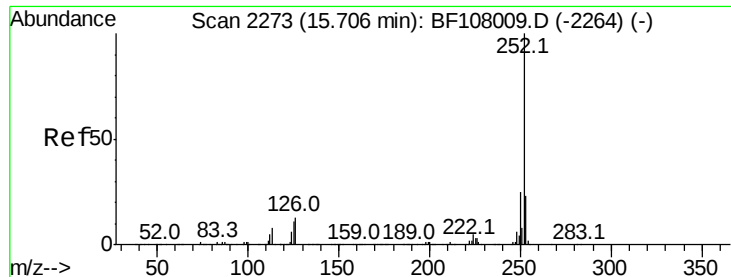
Delta R.T. -0.02 min

Lab File: BF108527.D

Acq: 27 Aug 2018 23:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	26.3	17.9	26.9		
125	17.2	10.2	15.2#		





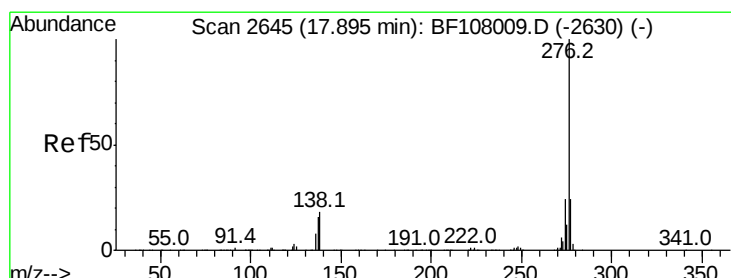
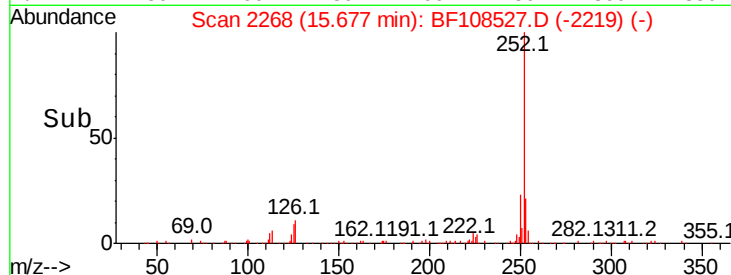
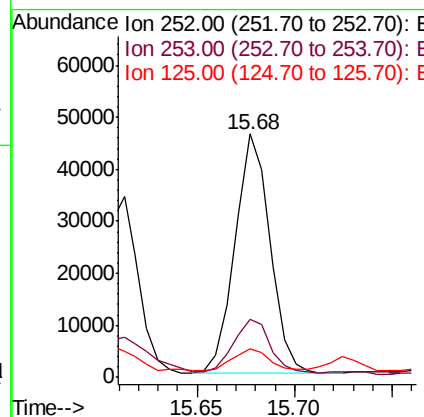
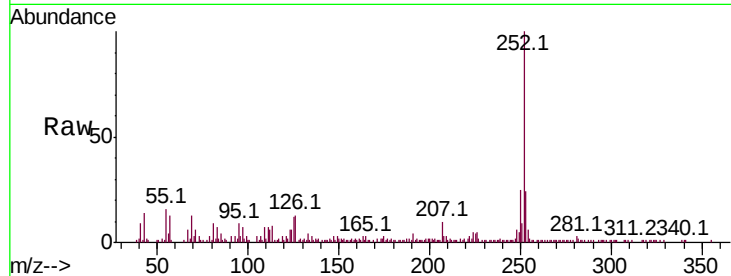
#89
Benzo(a)pyrene
Concen: 6.086 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108527.D
Acq: 27 Aug 2018 23:40

Instrument :
BNA_F
ClientSampleId :
BYR-2-E(6-7)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	11.9	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.174 ng
RT: 17.85 min Scan# 2637
Delta R.T. -0.02 min
Lab File: BF108527.D
Acq: 27 Aug 2018 23:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	22.5	21.8	32.8

