

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
 Data File : BF107371.D
 Acq On : 13 Jul 2018 17:02
 Operator : JU/SJ
 Sample : J3825-09 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-071118-E

Manual Integrations
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Quant Time: Jul 13 19:05:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	53757	20.00	ng	-0.03
21) Naphthalene-d8	8.21	136	192306	20.00	ng	-0.04
38) Acenaphthene-d10	9.98	164	89191	20.00	ng	-0.03
63) Phenanthrene-d10	11.48	188	177673	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	152940	20.00	ng	-0.03
86) Perylene-d12	15.68	264	115769	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	169468	53.38	ng	-0.03
7) Phenol-d6	6.58	99	203120	51.23	ng	-0.04
23) Nitrobenzene-d5	7.50	82	118704	34.30	ng	-0.04
41) 2,4,6-Tribromophenol	10.78	330	51827	50.14	ng	-0.02
44) 2-Fluorobiphenyl	9.29	172	231789	35.38	ng	-0.03
78) Terphenyl-d14	13.06	244	281101	44.52	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.68	163	31857	4.762	ng	Qvalue # 97
57) Fluorene	10.53	166	19184	3.174	ng	99
70) Phenanthrene	11.50	178	143046	16.692	ng	98
71) Anthracene	11.55	178	47408	5.420	ng	98
74) Fluoranthene	12.70	202	177511	18.793	ng	93
77) Pyrene	12.93	202	152505	15.121	ng	99
80) Benzo(a)anthracene	14.12	228	68203	7.317	ng	97
82) Chrysene	14.16	228	58849	6.862	ng	96
85) Indeno(1,2,3-cd)pyrene	17.28	276	24194	3.325	ng	95
87) Benzo(b)fluoranthene	15.22	252	60948m	8.475	ng	
88) Benzo(k)fluoranthene	15.25	252	17893m	2.613	ng	
89) Benzo(a)pyrene	15.62	252	41022	6.417	ng	95
91) Benzo(a,h,i)perylene	17.77	276	25603	4.835	ng	# 87

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

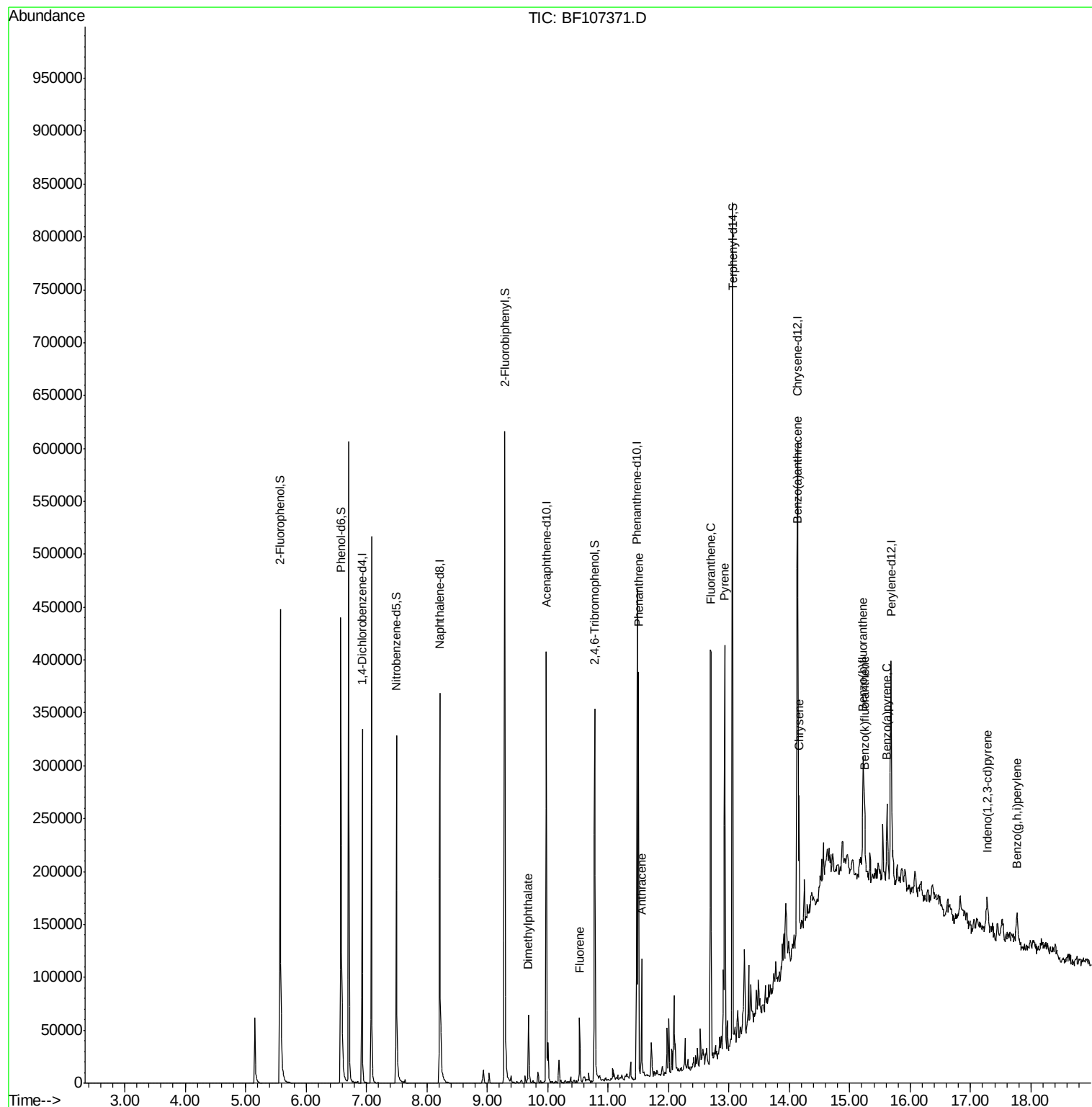
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071318\
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ALS Vial : 18 Sample Multiplier: 1

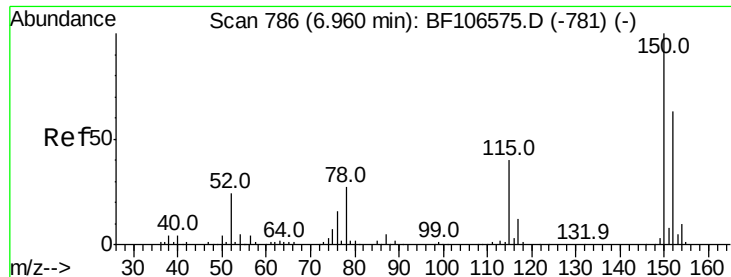
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
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#1

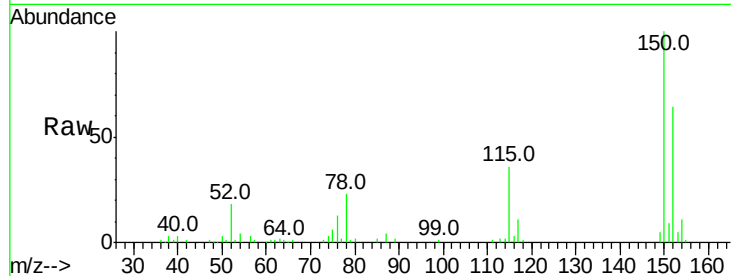
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.03 min
Lab File: BF107371.D
Acq: 13 Jul 2018 17:02

Instrument :
BNA_F
ClientSampleId :
CL-02-071118-E

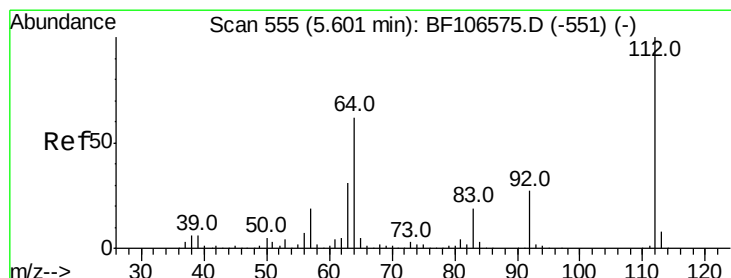
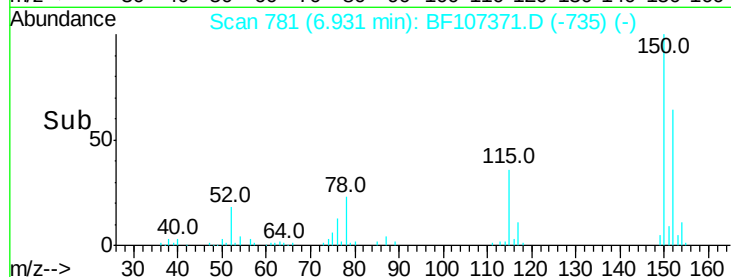
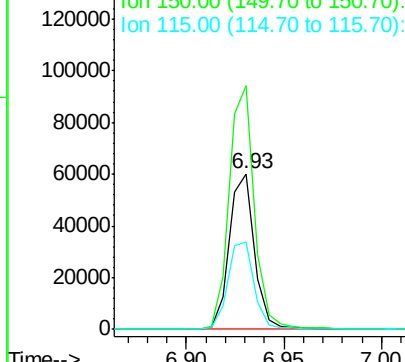
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	56.1	50.1	75.1

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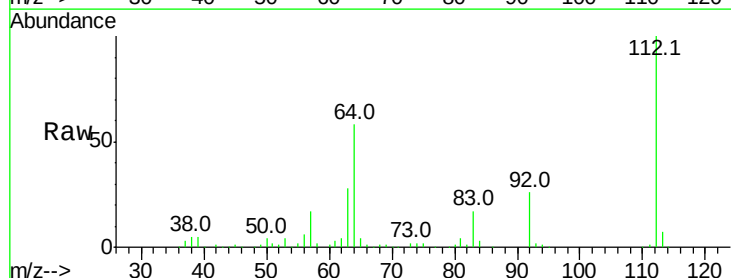
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



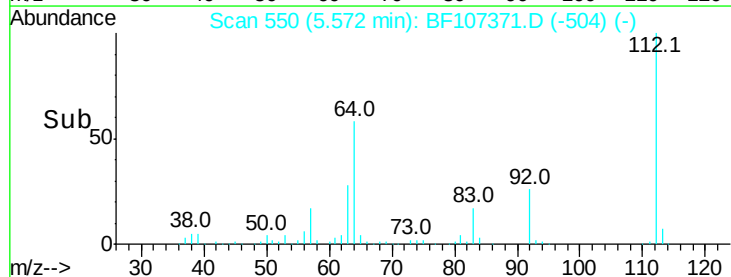
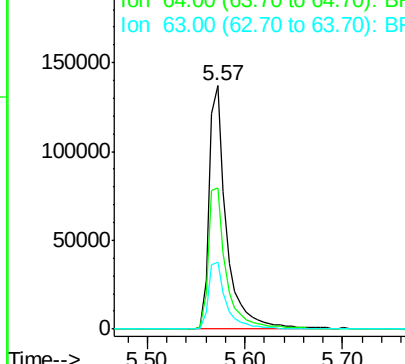
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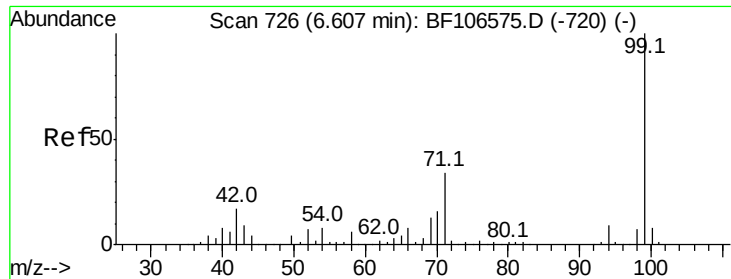
2-Fluorophenol
Concen: 53.382 ng
RT: 5.57 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF107371.D
Acq: 13 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.9	71.9
63	27.5	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: 51.234 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF107371.D

Acq: 13 Jul 2018 17:02

Instrument :

BNA_F

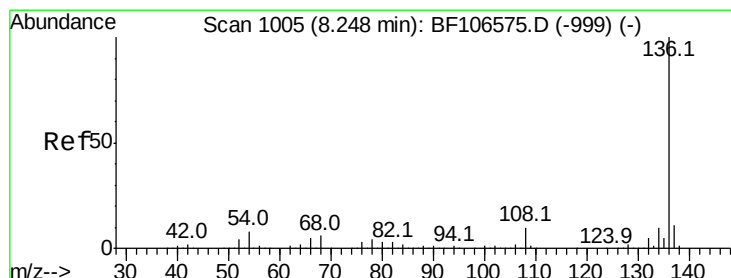
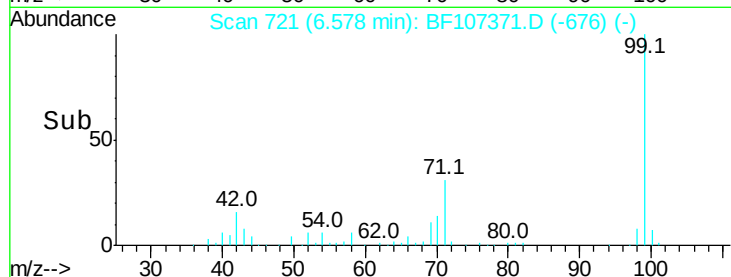
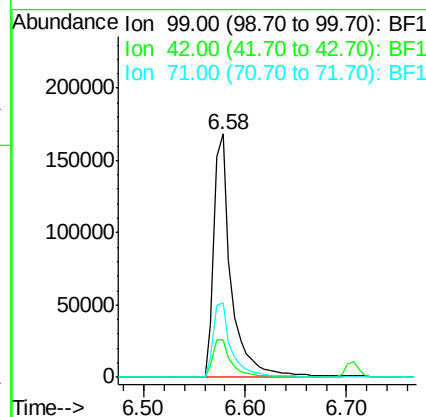
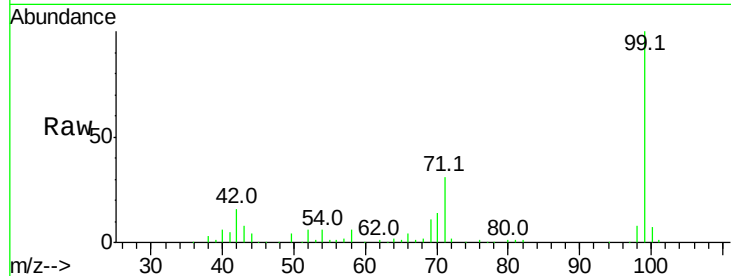
ClientSampleId :

CL-02-071118-E

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		203120		
42	15.6	14.5	21.7		
71	30.8	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

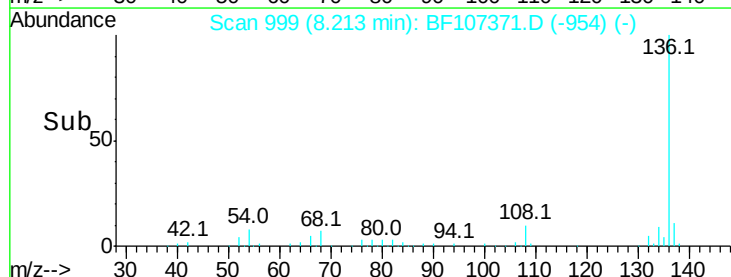
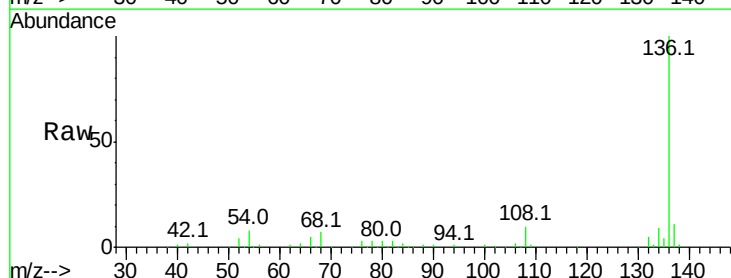
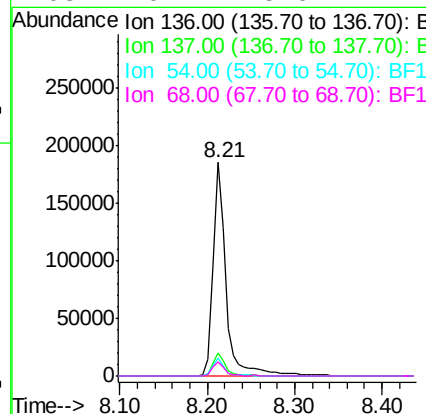
RT: 8.21 min Scan# 999

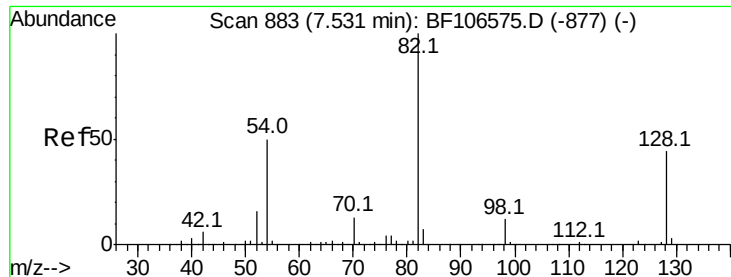
Delta R.T. -0.04 min

Lab File: BF107371.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		192306		
137	11.1	8.9	13.3		
54	8.2	6.6	9.8		
68	6.7	5.0	7.4		





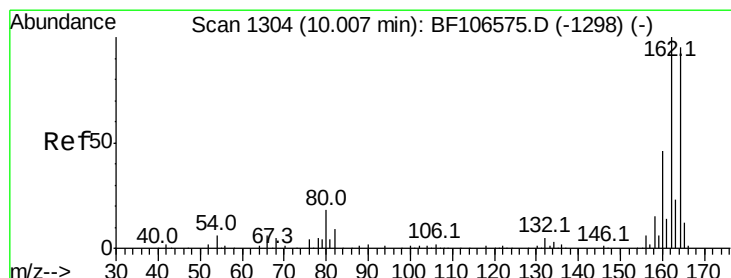
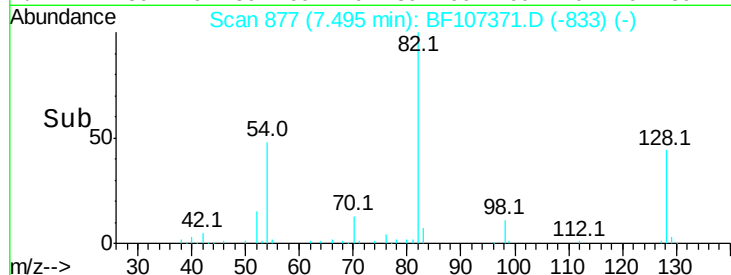
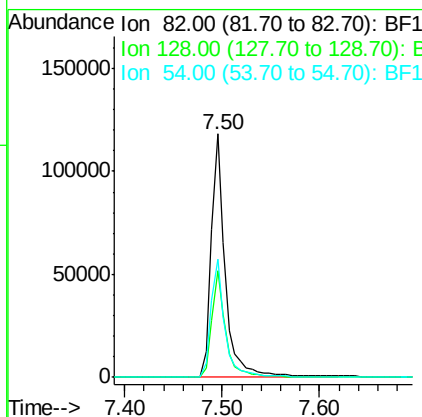
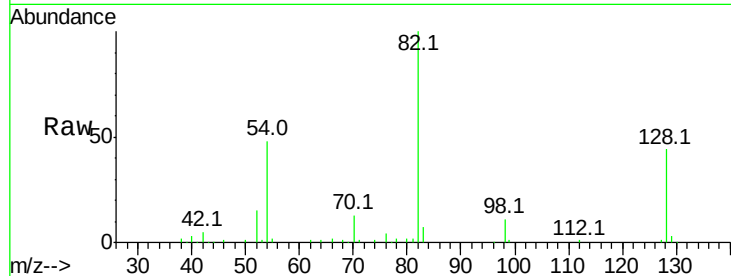
#23
 Nitrobenzene-d5
 Concen: 34.304 ng
 RT: 7.50 min Scan# 877
 Delta R.T. -0.04 min
 Lab File: BF107371.D
 Acq: 13 Jul 2018 17:02

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.1	54.1
54	48.5	41.4	62.2

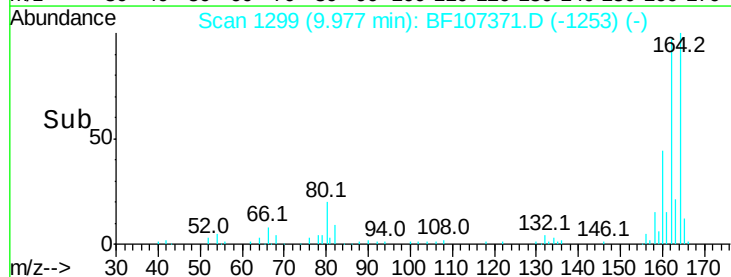
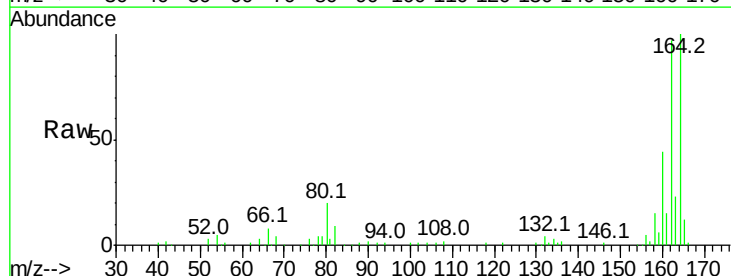
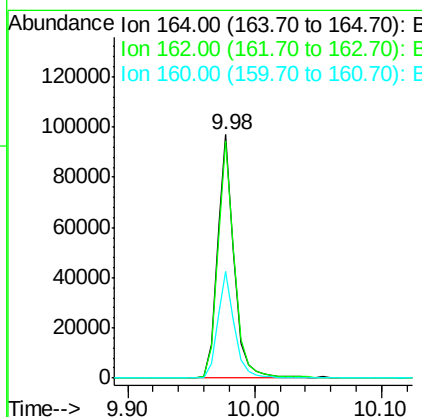
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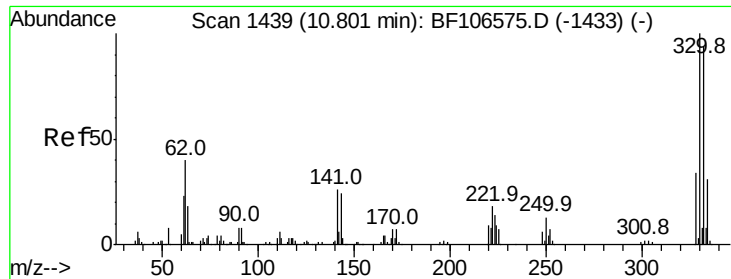
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. -0.03 min
 Lab File: BF107371.D
 Acq: 13 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.4	86.1	129.1
160	43.9	38.3	57.5





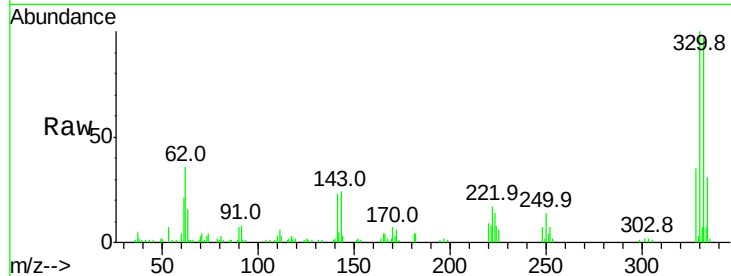
#41
 2,4,6-Tribromophenol
 Concen: 50.135 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF107371.D
 Acq: 13 Jul 2018 17:02

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-071118-E

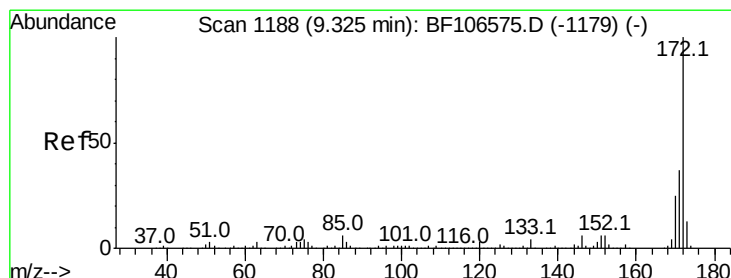
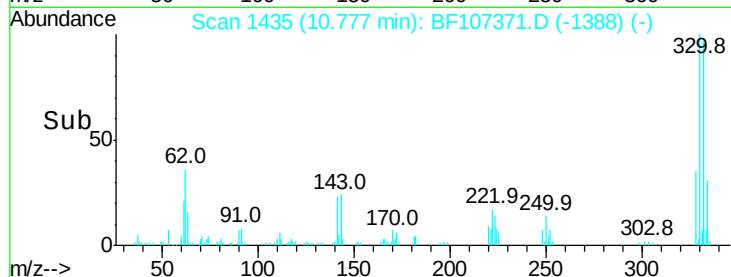
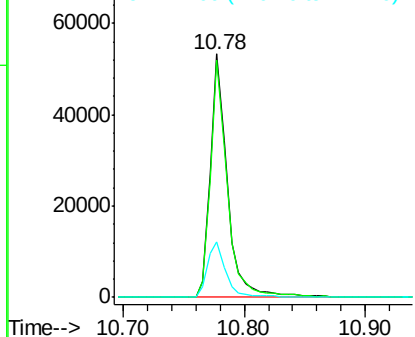
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	24.8	29.9	44.9#

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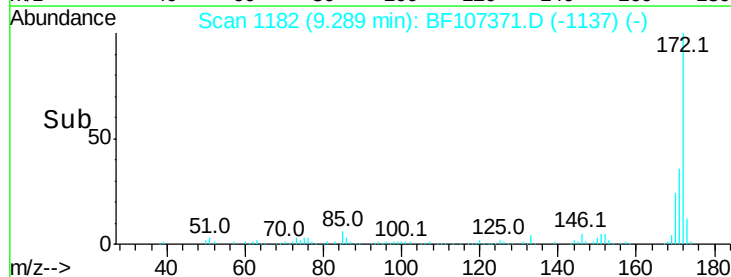
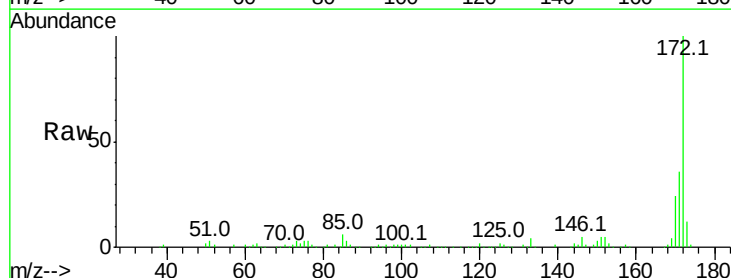
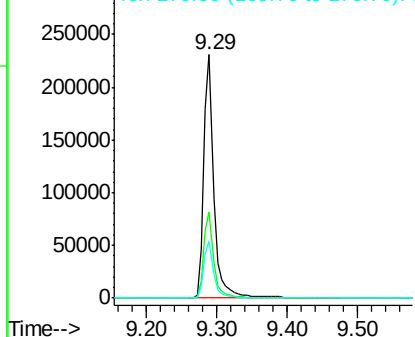
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

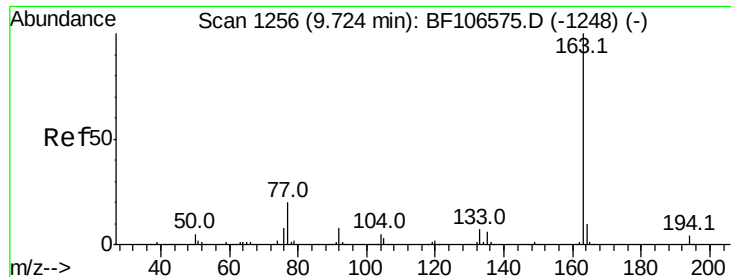


#44
 2-Fluorobiphenyl
 Concen: 35.376 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. -0.03 min
 Lab File: BF107371.D
 Acq: 13 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.5	19.6	29.4

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





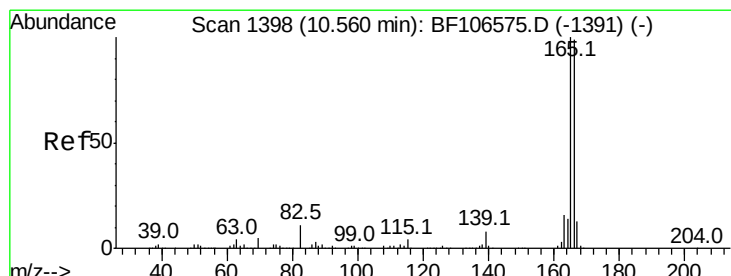
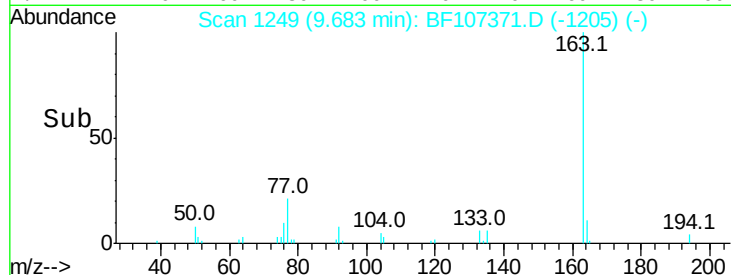
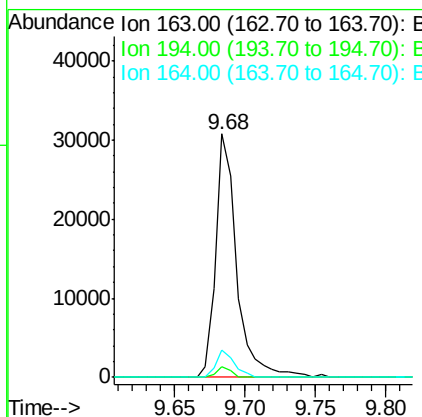
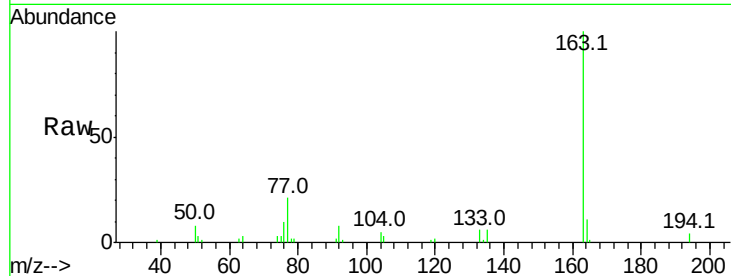
#49
Dimethylphthalate
Concen: 4.762 ng
RT: 9.68 min Scan# 1249
Delta R.T. -0.04 min
Lab File: BF107371.D
Acq: 13 Jul 2018 17:02

Instrument :
BNA_F
ClientSampleId :
CL-02-071118-E

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.3	2.7	4.1#	
164	11.2	8.2	12.2	

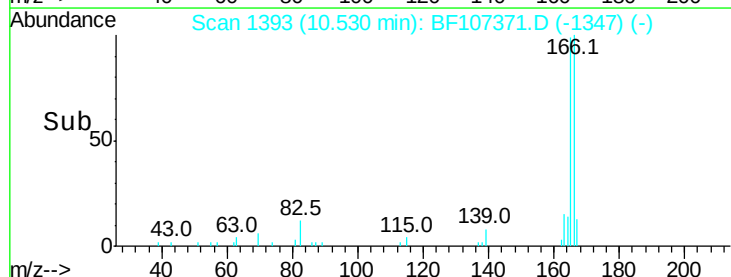
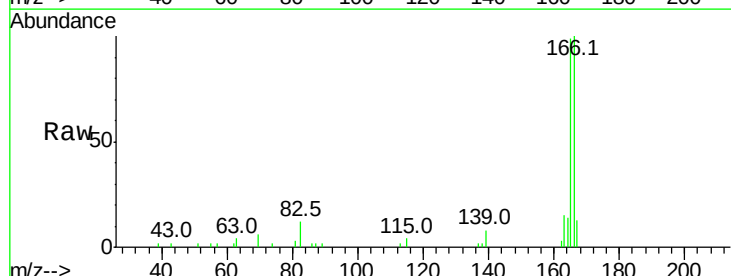
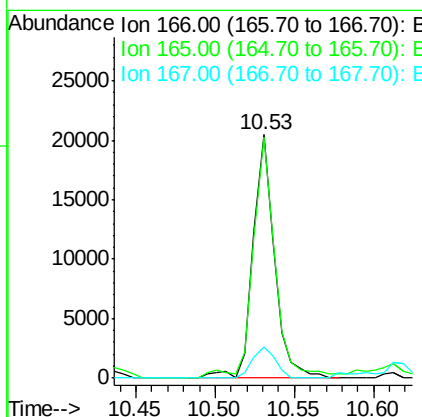
Manual Integrations
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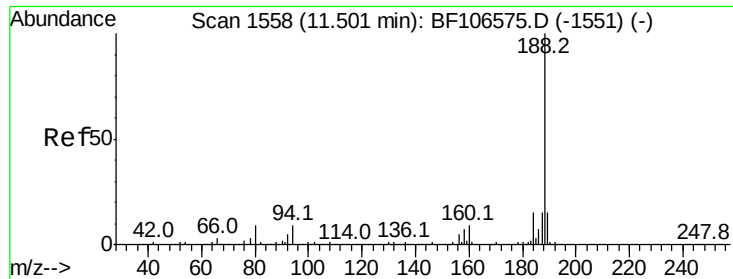
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#57
Fluorene
Concen: 3.174 ng
RT: 10.53 min Scan# 1393
Delta R.T. -0.03 min
Lab File: BF107371.D
Acq: 13 Jul 2018 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	98.8	79.8	119.8	
167	12.6	10.6	16.0	





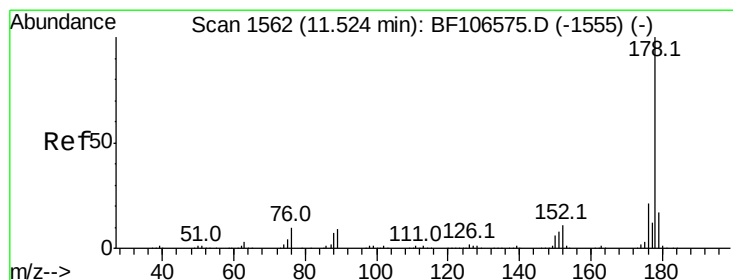
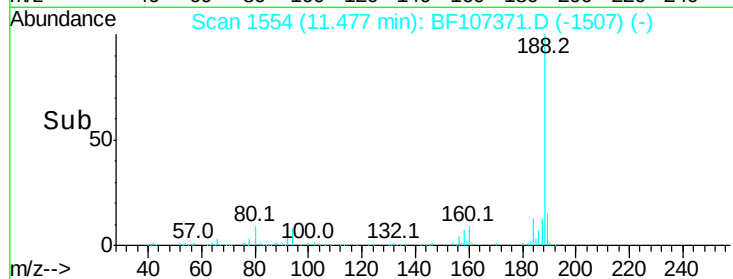
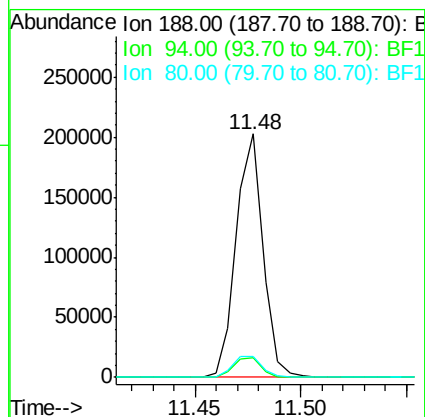
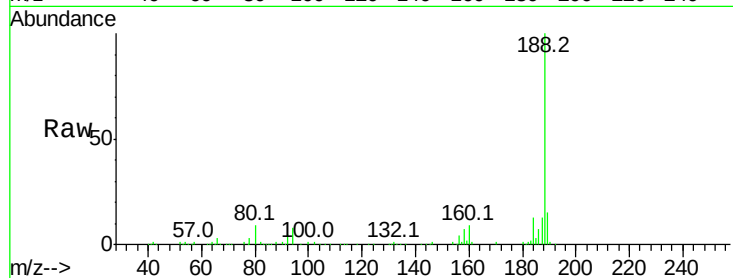
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF107371.D
Acq: 13 Jul 2018 17:02

Instrument :
BNA_F
ClientSampleId :
CL-02-071118-E

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.1	8.5	12.7#
80	8.8	9.2	13.8#

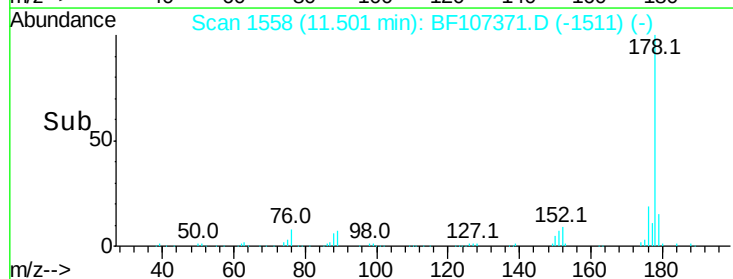
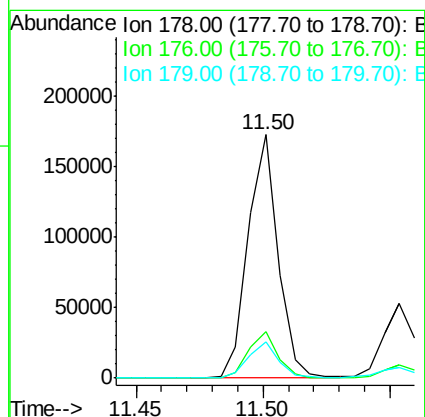
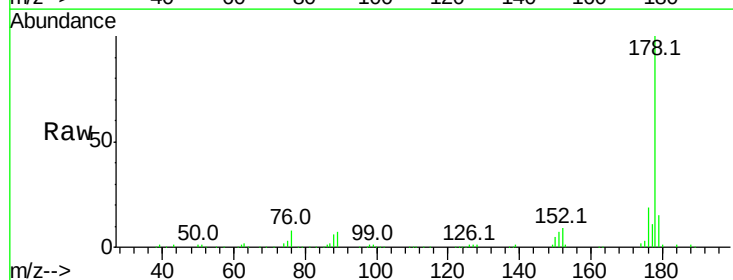
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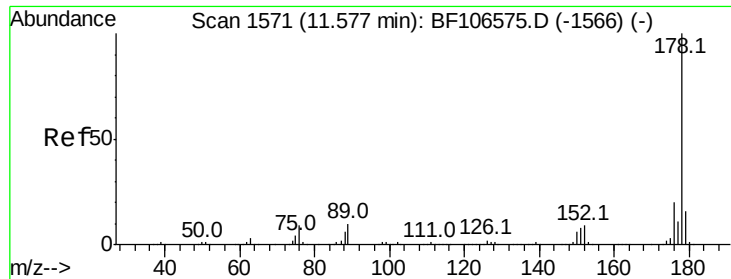
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#70
Phenanthrene
Concen: 16.692 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF107371.D
Acq: 13 Jul 2018 17:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.3	15.8	23.8
179	15.0	13.0	19.6





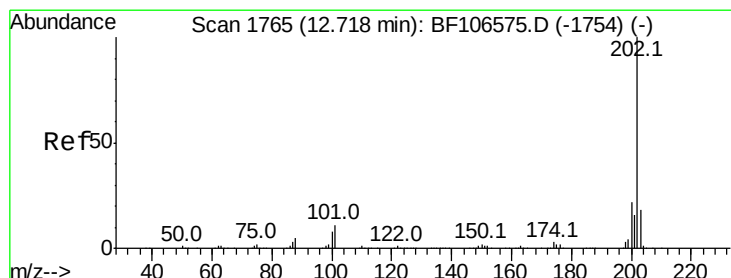
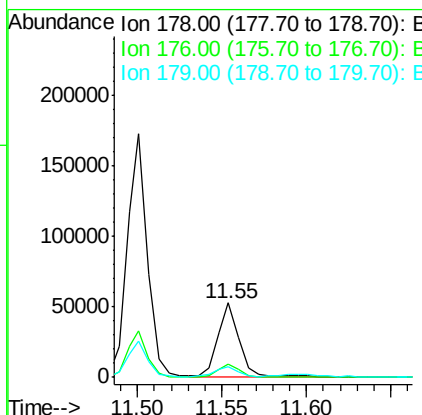
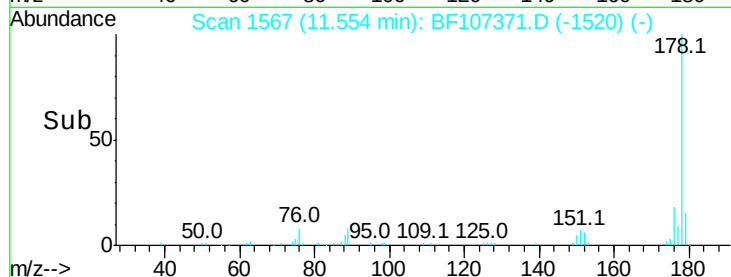
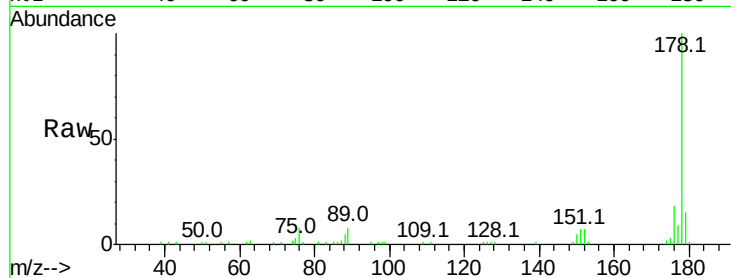
#71
 Anthracene
 Concen: 5.420 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF107371.D
 Acq: 13 Jul 2018 17:02

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-071118-E

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.2	12.6	19.0

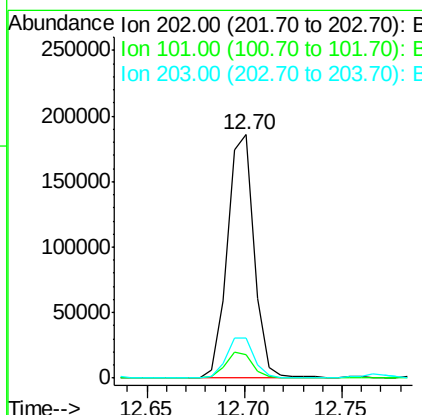
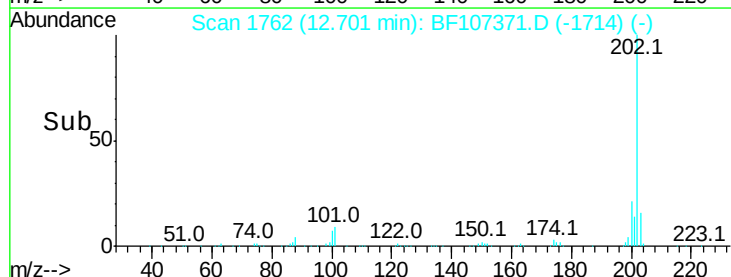
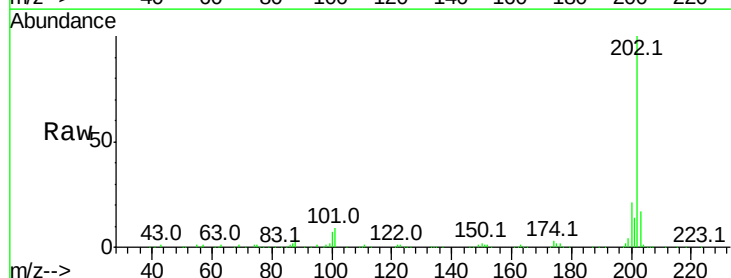
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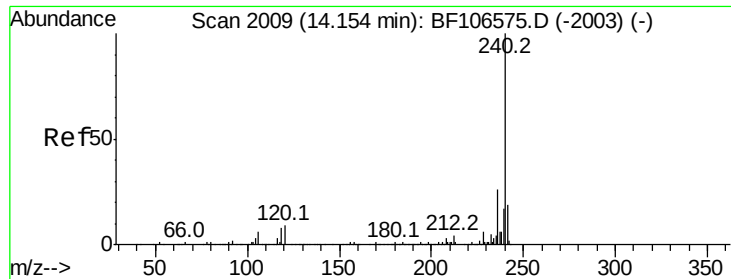
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#74
 Fluoranthene
 Concen: 18.793 ng
 RT: 12.70 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF107371.D
 Acq: 13 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	34.1
203	16.6	0.0	38.1





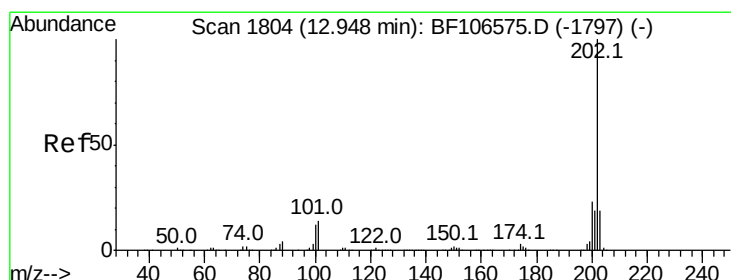
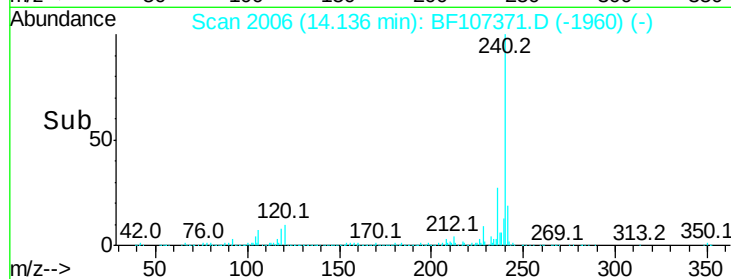
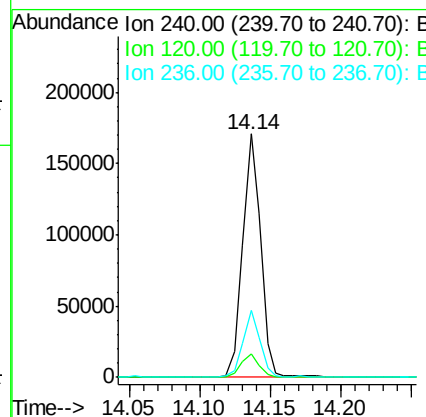
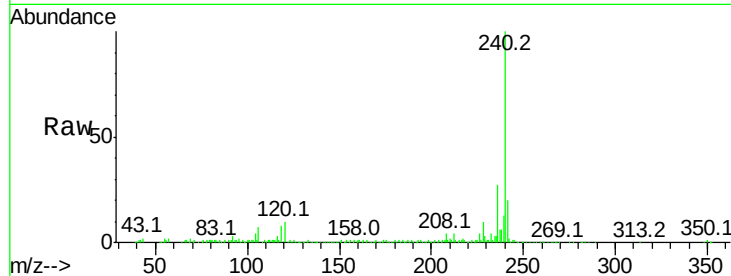
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.03 min
Lab File: BF107371.D
Acq: 13 Jul 2018 17:02

Instrument :
BNA_F
ClientSampleId :
CL-02-071118-E

Tot Ion	Ratio	Resp	Lower	Upper
240	100	152940		
120	9.9	9.5	14.3	
236	27.4	20.7	31.1	

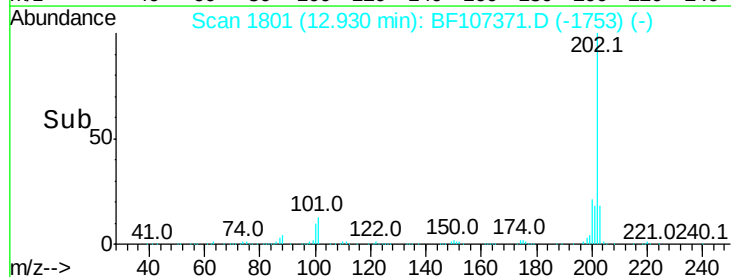
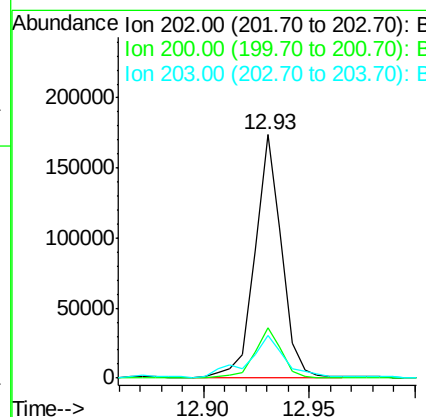
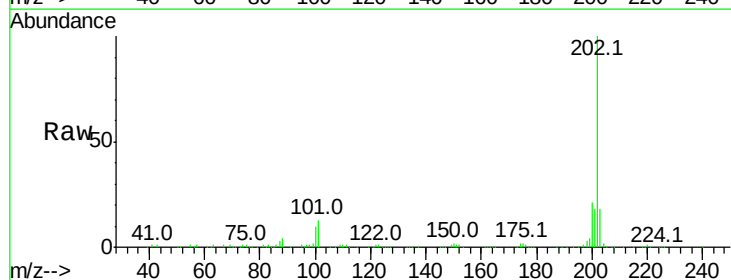
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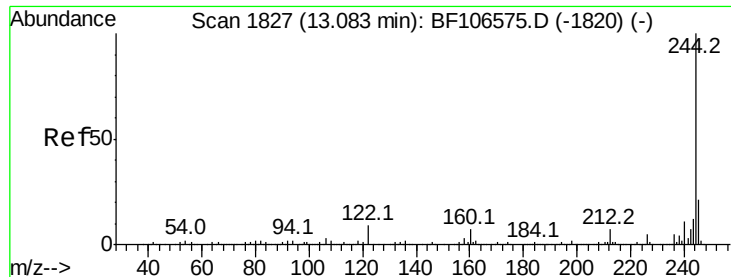
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#77
Pyrene
Concen: 15.121 ng
RT: 12.93 min Scan# 1801
Delta R.T. -0.02 min
Lab File: BF107371.D
Acq: 13 Jul 2018 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	152505		
200	20.9	17.4	26.2	
203	17.7	14.3	21.5	





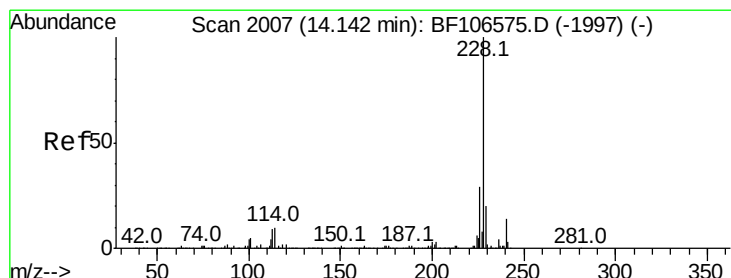
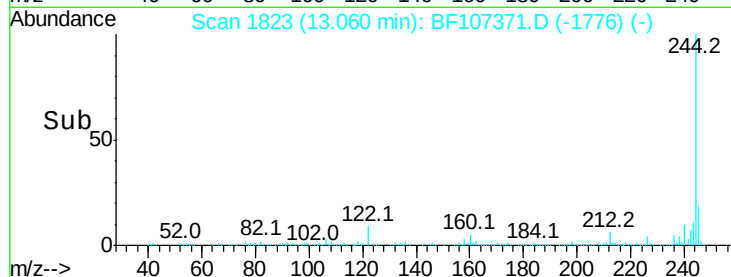
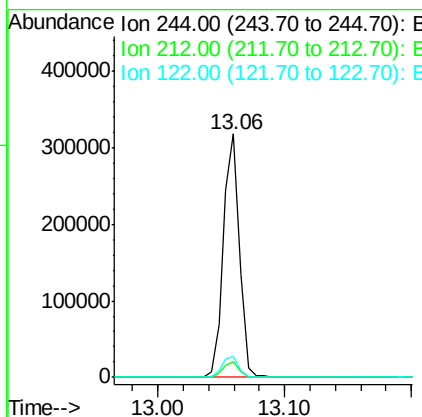
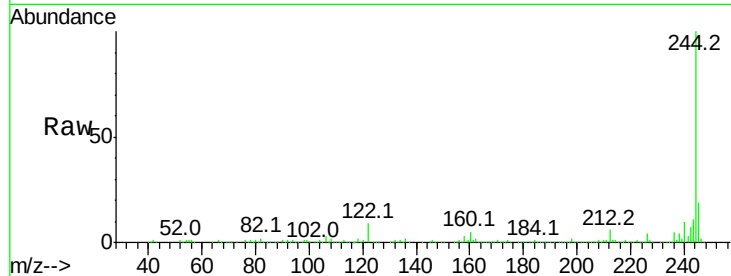
#78
 Terphenyl-d14
 Concen: 44.521 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. -0.02 min
 Lab File: BF107371.D
 Acq: 13 Jul 2018 17:02

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-071118-E

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	8.7	11.0	16.4

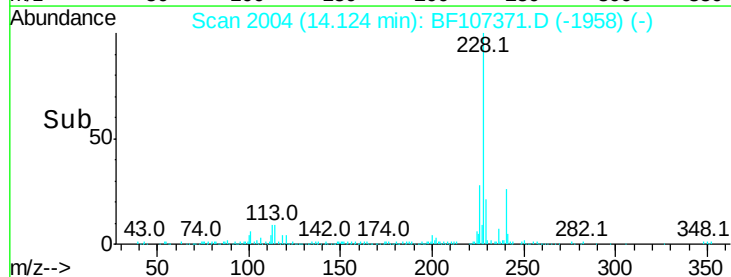
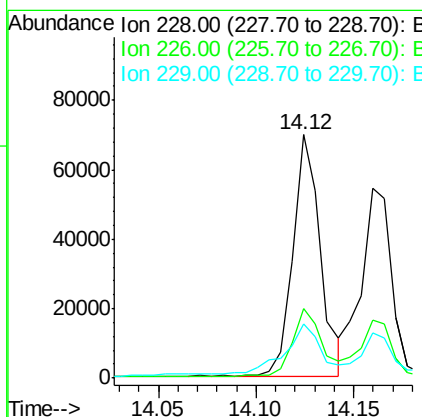
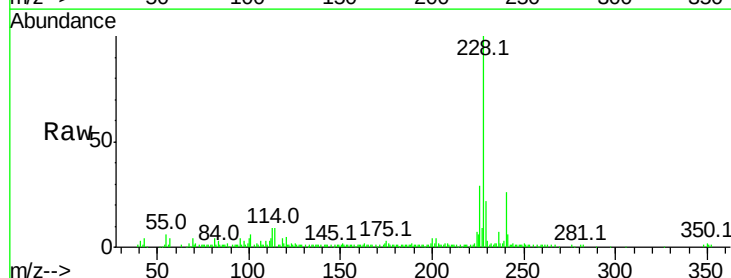
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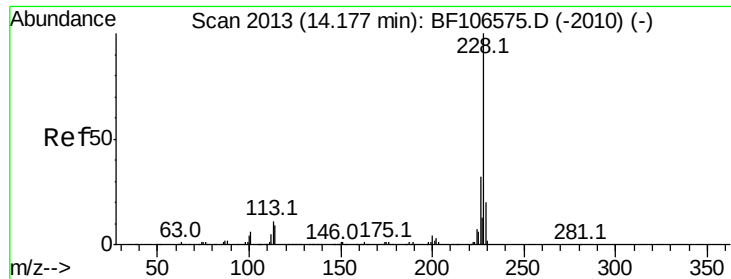
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#80
 Benzo(a)anthracene
 Concen: 7.317 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.03 min
 Lab File: BF107371.D
 Acq: 13 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	22.1	15.8	23.6





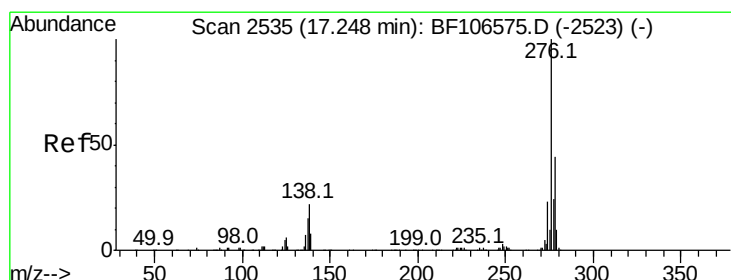
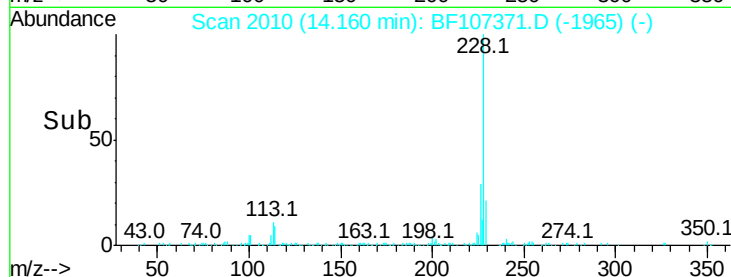
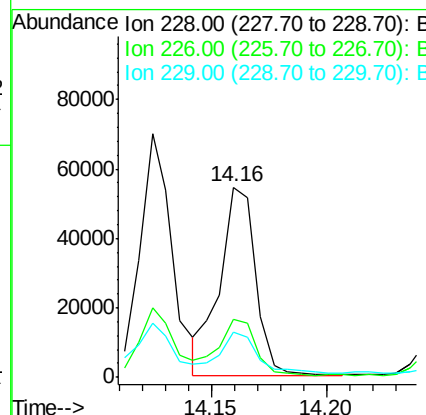
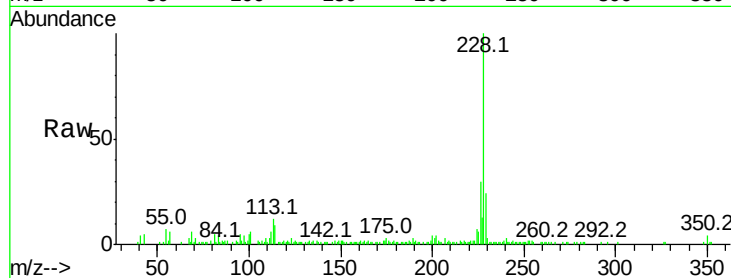
#82
Chrysene
Concen: 6.862 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.04 min
Lab File: BF107371.D
Acq: 13 Jul 2018 17:02

Instrument :
BNA_F
ClientSampleId :
CL-02-071118-E

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	23.6	16.2	24.4

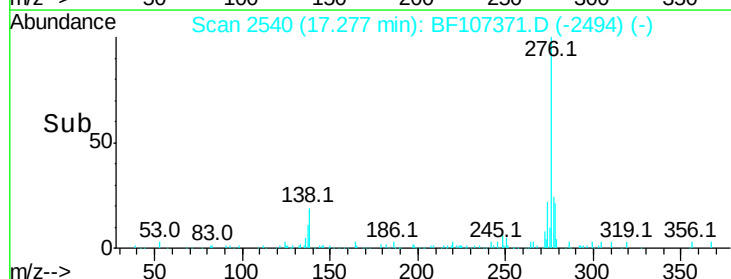
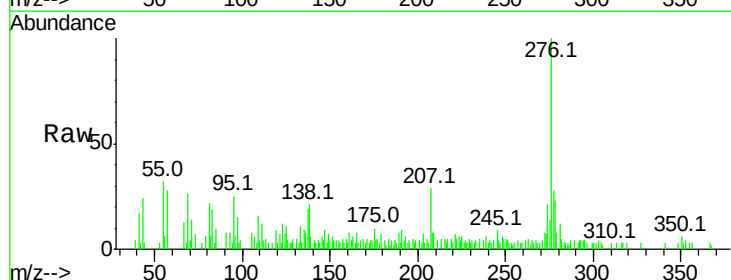
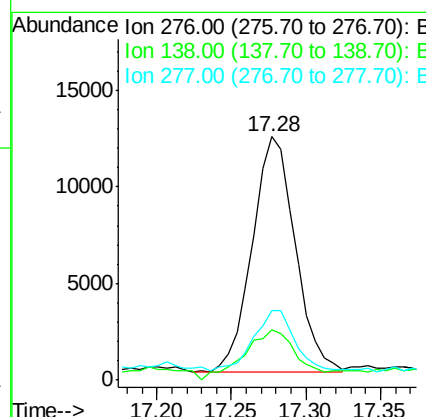
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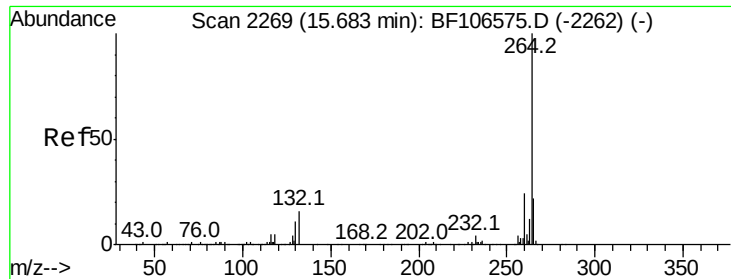
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.325 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BF107371.D
Acq: 13 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.9	25.0	37.6
277	24.6	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.04 min

Lab File: BF107371.D

Acq: 13 Jul 2018 17:02

Instrument :

BNA_F

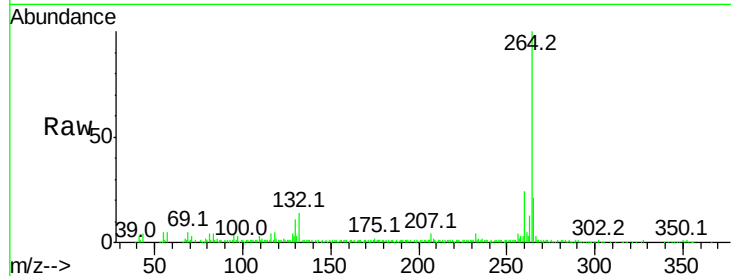
ClientSampleId :

CL-02-071118-E

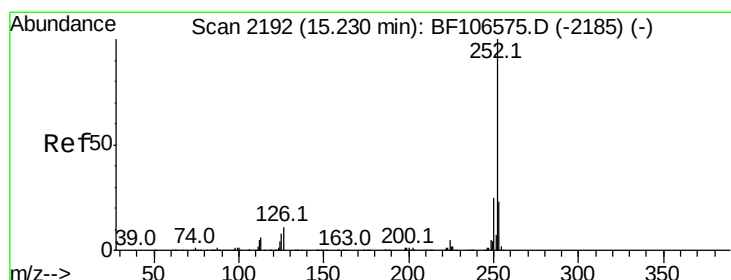
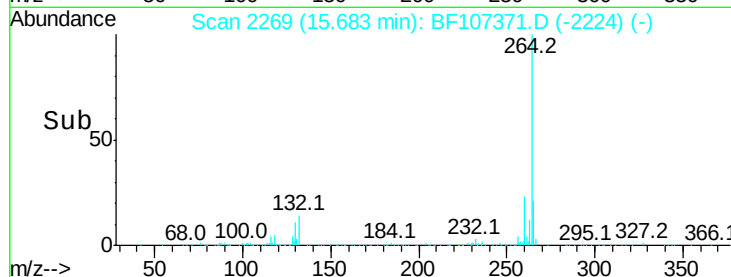
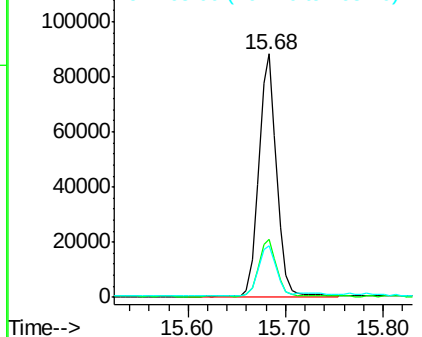
Tot Ion:	264	Resp:	115769
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	21.4	17.5	26.3

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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



#87

Benzo(b)fluoranthene

Concen: 8.475 ng m

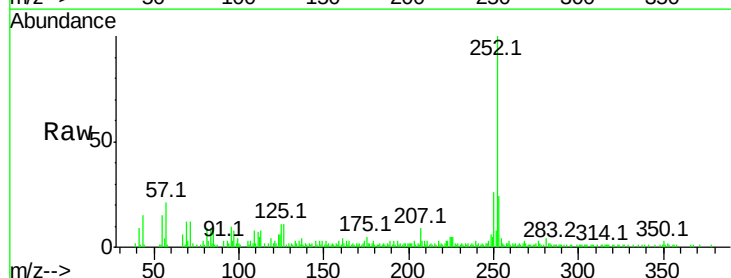
RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

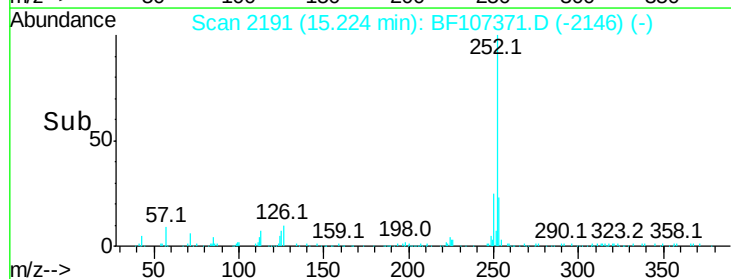
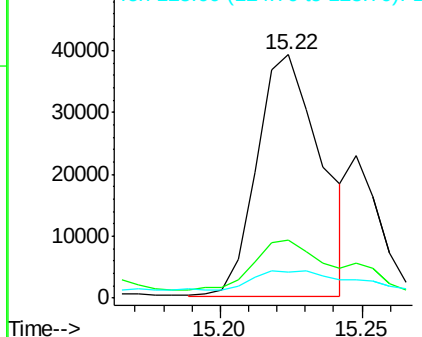
Lab File: BF107371.D

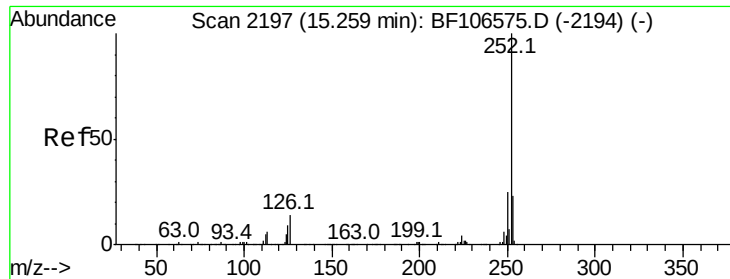
Acq: 13 Jul 2018 17:02

Tgt Ion:	252	Resp:	60948
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.0	25.6
125	10.9	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





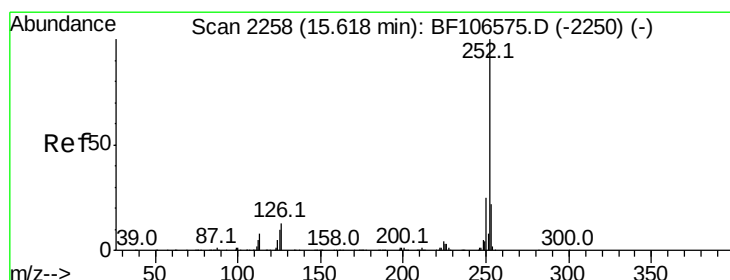
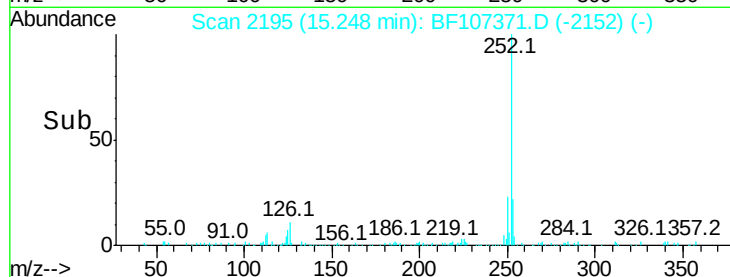
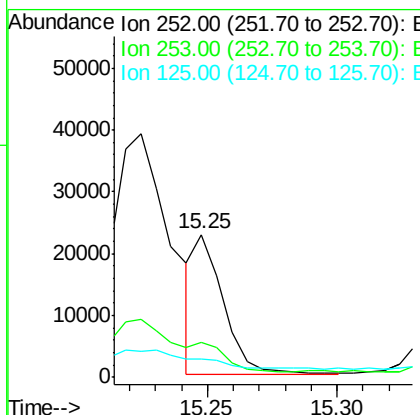
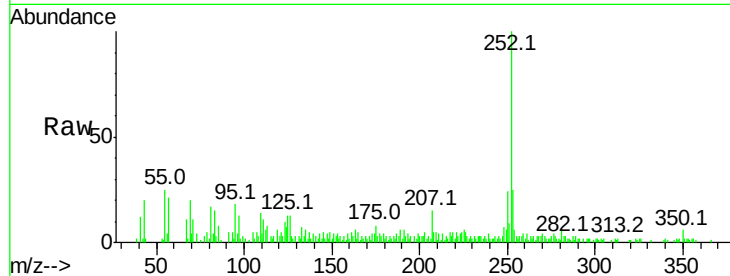
#88
Benzo(k)fluoranthene
Concen: 2.613 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF107371.D
Acq: 13 Jul 2018 17:02

Instrument :
BNA_F
ClientSampleId :
CL-02-071118-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	13.0	10.2	15.2

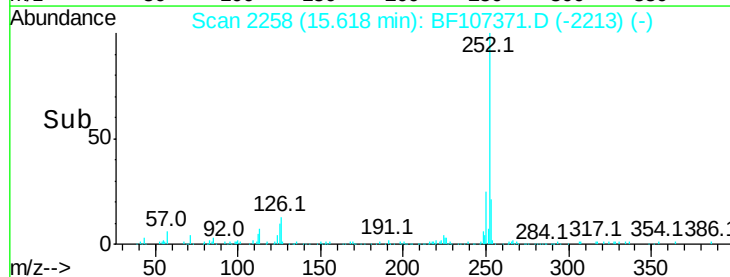
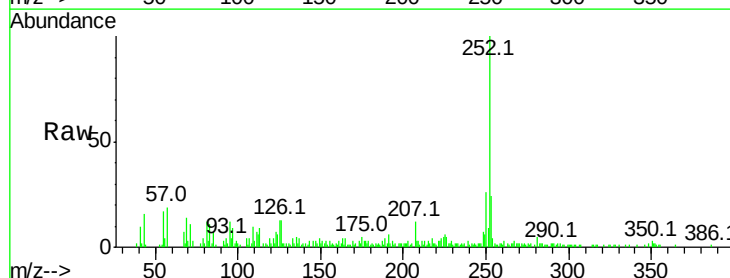
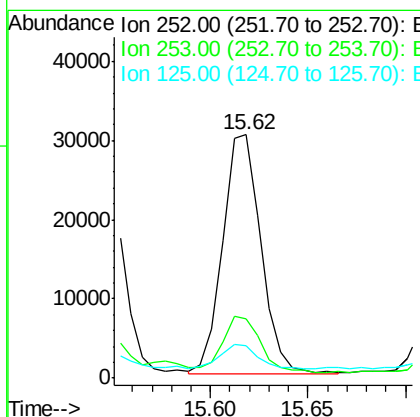
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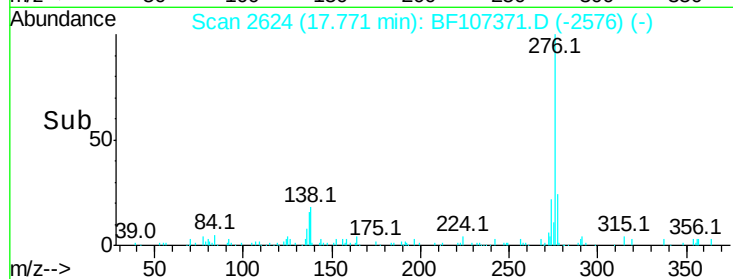
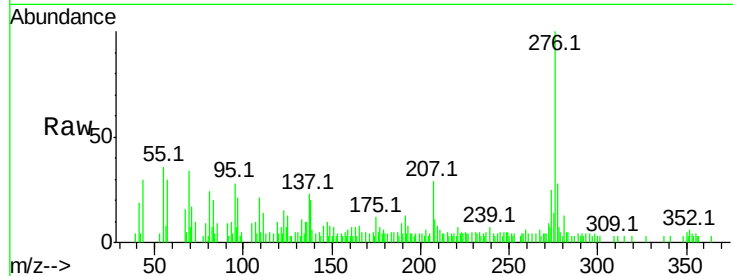
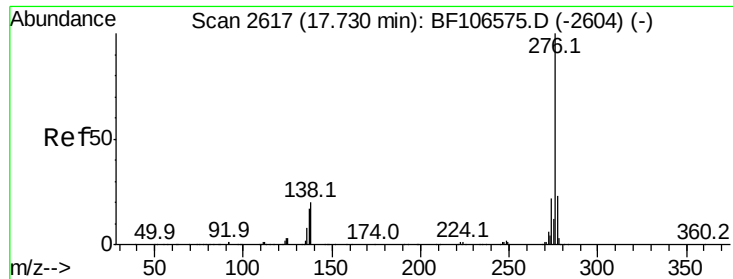
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#89
Benzo(a)pyrene
Concen: 6.417 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF107371.D
Acq: 13 Jul 2018 17:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	13.2	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.835 ng
 RT: 17.77 min Scan# 2624
 Delta R.T. -0.02 min
 Lab File: BF107371.D
 Acq: 13 Jul 2018 17:02

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-071118-E

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.4	17.9	26.9#
138	20.5	21.8	32.8#

Manual Integrations
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