

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110253.D
 Acq On : 29 Oct 2018 11:04
 Operator : JU/SJ
 Sample : J5204-13RE 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-102518-ARE

Manual Integrations
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Quant Time: Oct 29 12:45:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 12:32:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	120774	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	495484	20.00	ng	0.00
39) Acenaphthene-d10	10.01	164	205768	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	305635	20.00	ng	0.00
76) Chrysene-d12	14.16	240	228982	20.00	ng	0.00
87) Perylene-d12	15.69	264	193825	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	110663	14.92	ng	0.00
7) Phenol-d6	6.58	99	151346	15.95	ng	-0.01
23) Nitrobenzene-d5	7.53	82	89369	10.70	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	29097	14.28	ng	0.00
45) 2-Fluorobiphenyl	9.32	172	188939	14.42	ng	0.00
79) Terphenyl-d14	13.09	244	129324	11.75	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
52) Acenaphthene	10.05	154	28436	2.180	ng	96
58) Fluorene	10.56	166	27347	2.012	ng	96
71) Phenanthrene	11.53	178	212998	13.319	ng	98
72) Anthracene	11.58	178	60700	3.787	ng	99
75) Fluoranthene	12.72	202	299301	18.441	ng	99
78) Pyrene	12.96	202	254149	15.482	ng	99
81) Benzo(a)anthracene	14.14	228	122411	9.015	ng	100
83) Chrysene	14.18	228	103231	8.004	ng	98
86) Indeno(1,2,3-cd)pyrene	17.26	276	45958	4.295	ng	97
88) Benzo(b)fluoranthene	15.23	252	132812m	11.866	ng	
89) Benzo(k)fluoranthene	15.26	252	34621m	3.146	ng	
90) Benzo(a)pyrene	15.62	252	86093	8.359	ng	98
92) Benzo(a,h,i)perylene	17.73	276	44226	5.050	ng	95

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

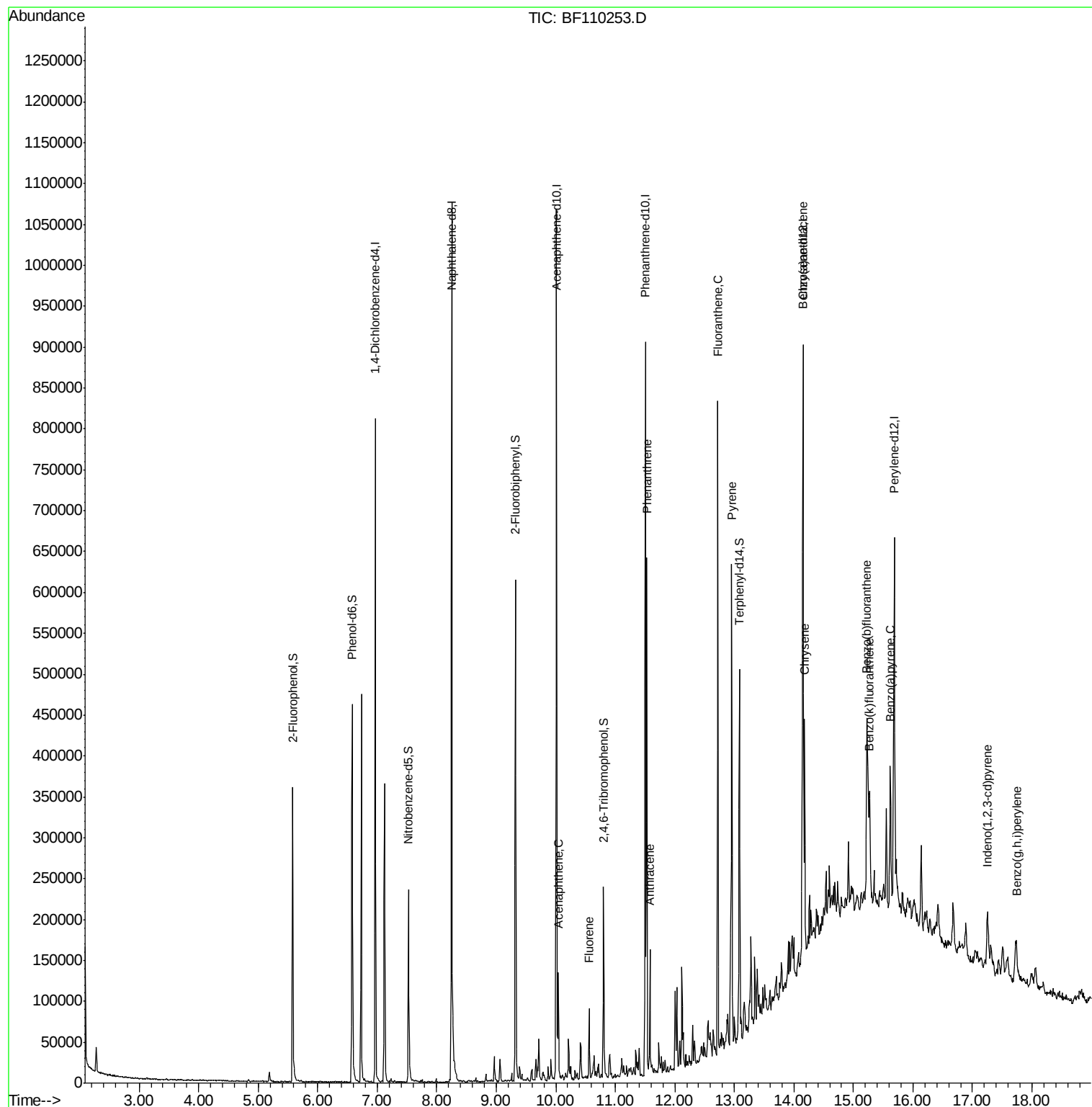
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
Data File : BF110253.D
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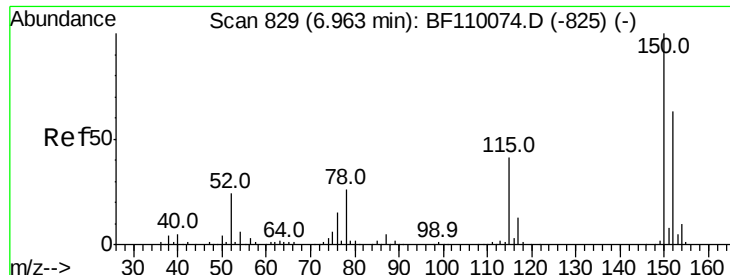
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

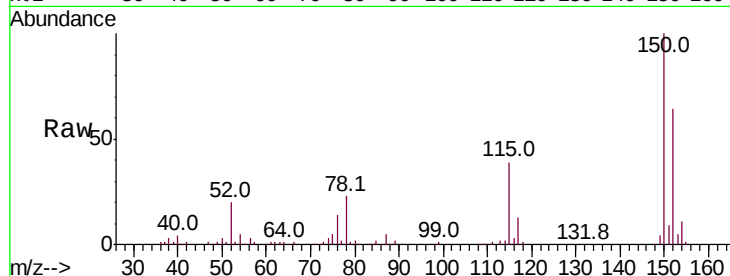
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

Instrument :
BNA_F
ClientSampleId :
SU-01-102518-ARE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	122.7	184.1
115	60.6	49.1	73.7

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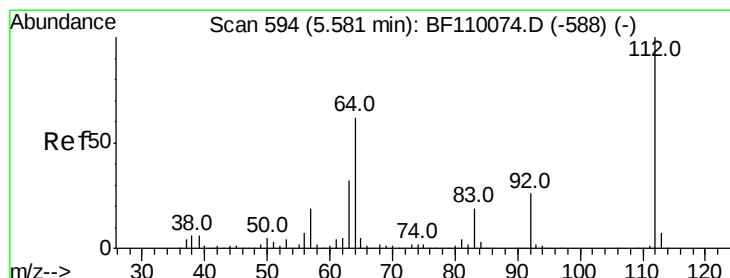
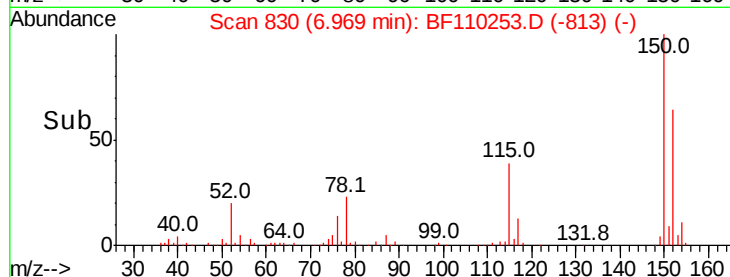
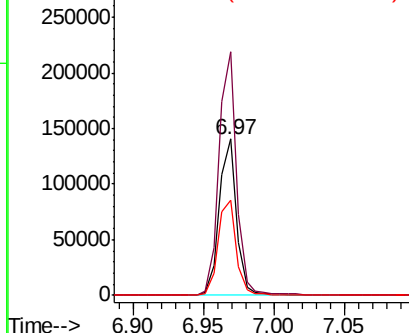


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

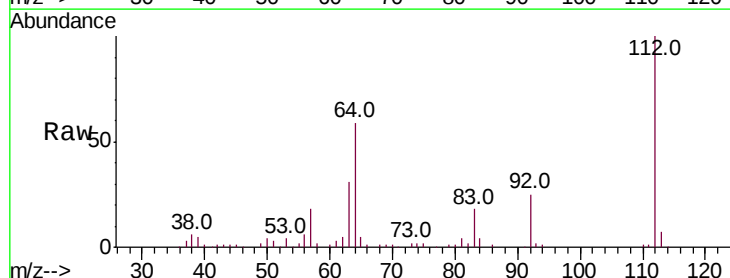
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.921 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	44.1	66.1
63	31.2	23.7	35.5

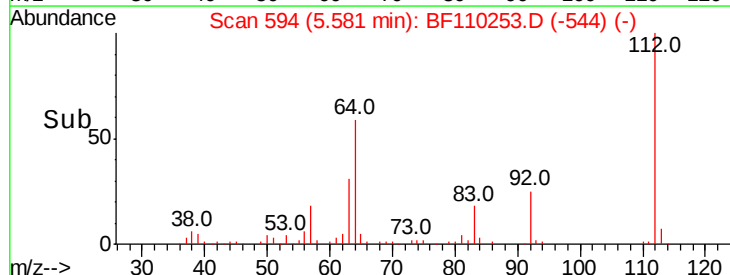
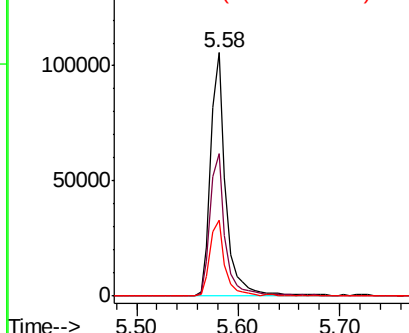


Abundance

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: 15.954 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Instrument :

BNA_F

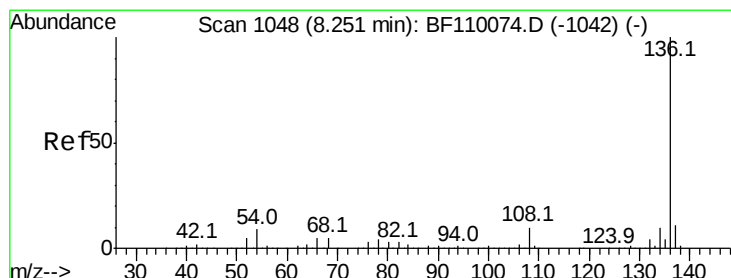
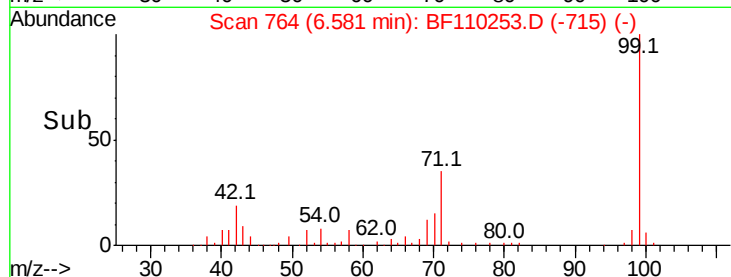
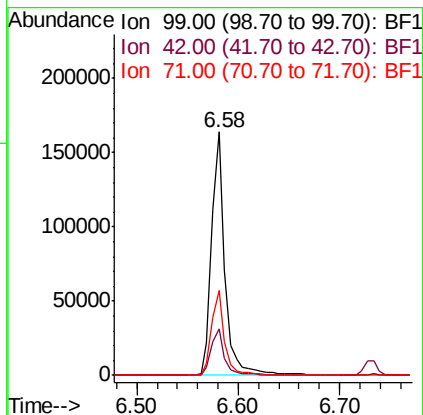
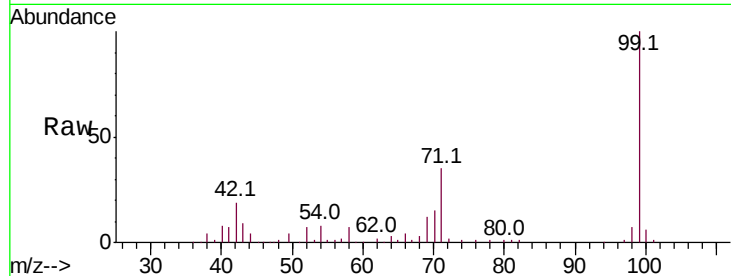
ClientSampleId :

SU-01-102518-ARE

Tot Ion:	99	Resp:	151346
Ion Ratio	Lower	Upper	
99	100		
42	19.0	15.8	23.6
71	34.7	28.0	42.0

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#21

Naphthalene-d8

Concen: 20.000 ng

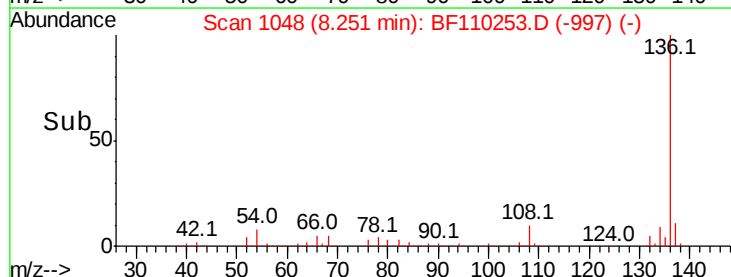
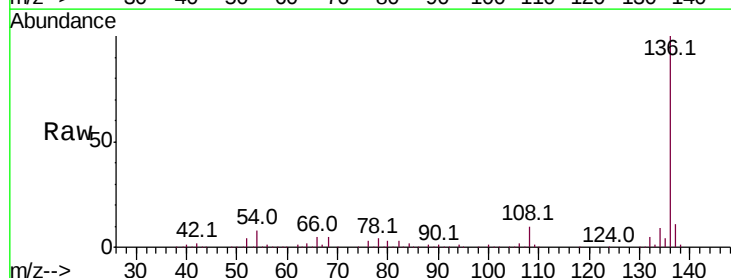
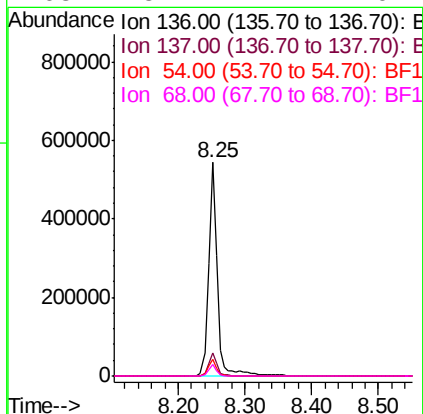
RT: 8.25 min Scan# 1048

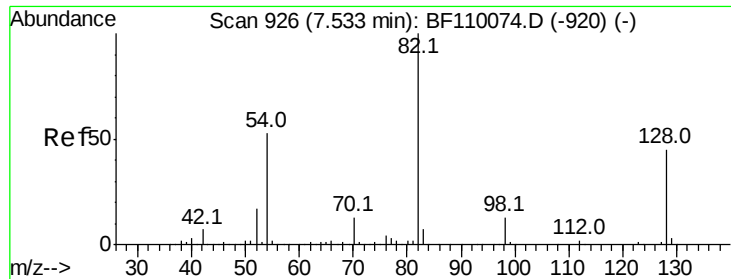
Delta R.T. 0.00 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Tgt Ion:	136	Resp:	495484
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	7.7	5.4	8.2
68	5.2	4.2	6.2





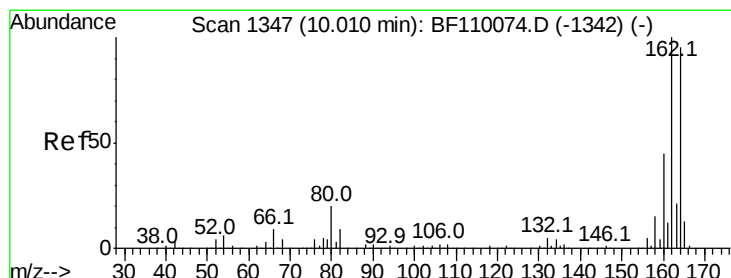
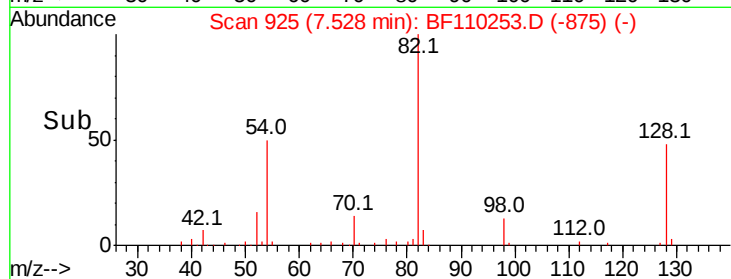
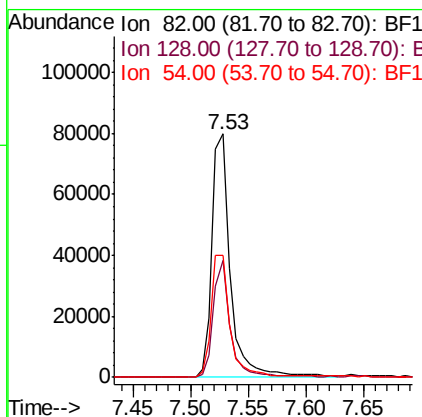
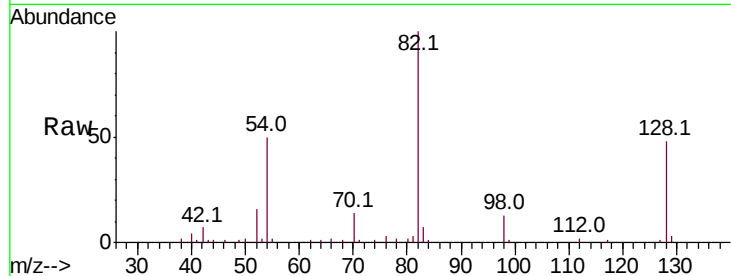
#23
Nitrobenzene-d5
Concen: 10.698 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

Instrument :
BNA_F
ClientSampleId :
SU-01-102518-ARE

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	34.2	51.2
54	50.2	38.6	58.0

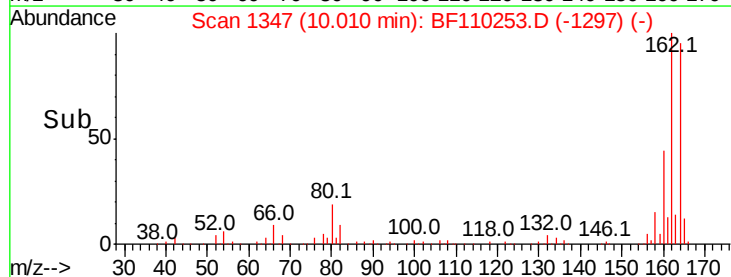
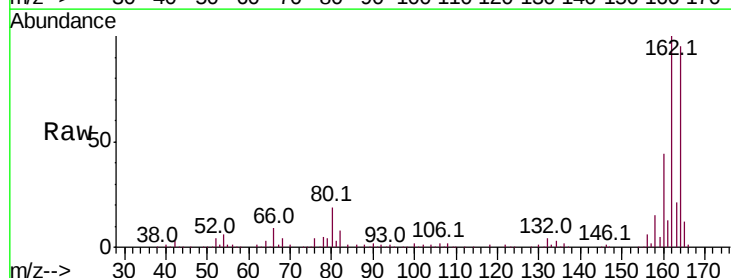
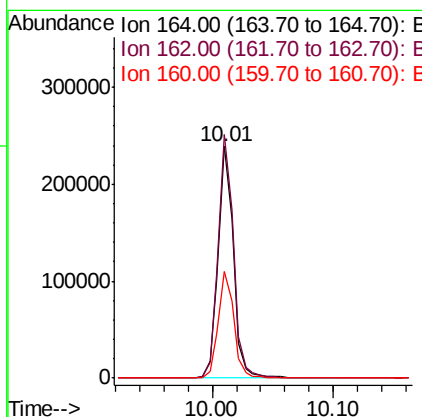
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	83.0	124.6
160	46.0	37.0	55.6





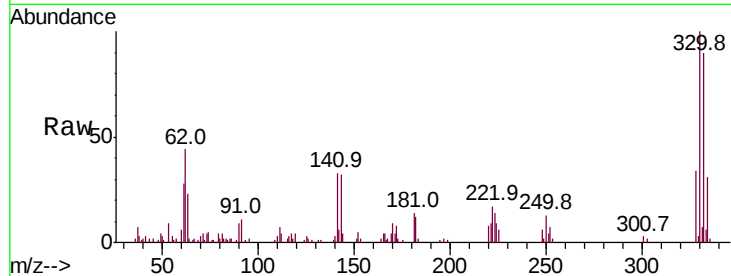
#42
 2,4,6-Tribromophenol
 Concen: 14.275 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF110253.D
 Acq: 29 Oct 2018 11:04

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-102518-ARE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	29097		
332	90.9		77.1	115.7
141	39.1		27.0	40.4

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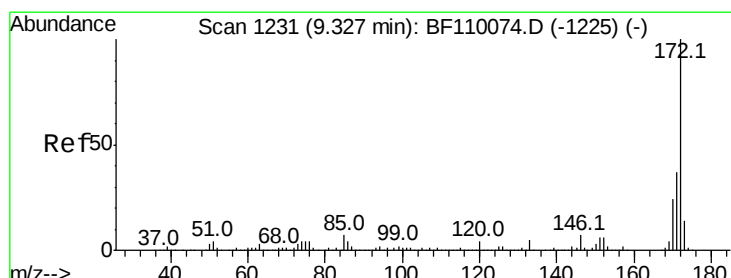
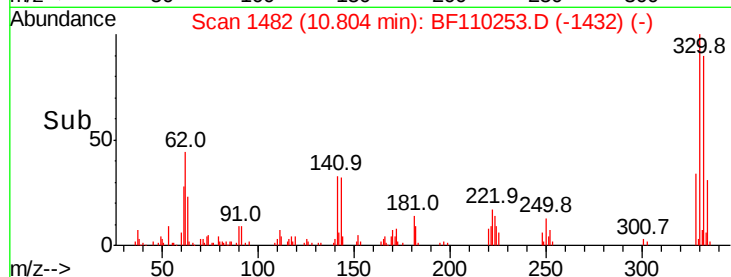
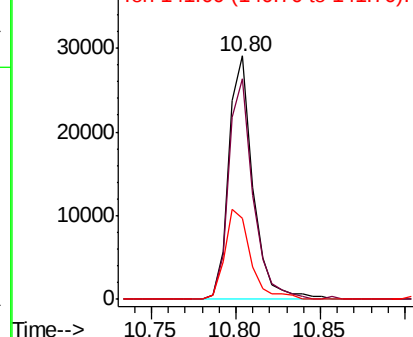


Abundance

Ion 329.80 (329.50 to 330.50): E

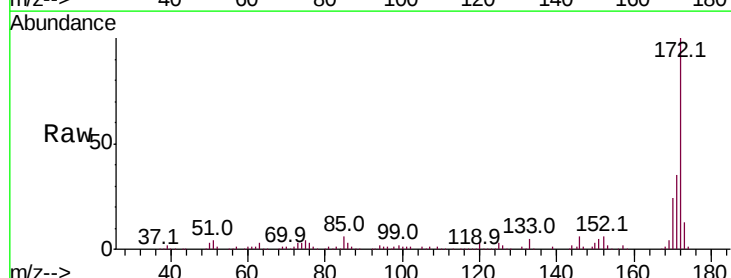
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 14.418 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF110253.D
 Acq: 29 Oct 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	188939		
171	34.6		28.6	43.0
170	23.6		19.7	29.5

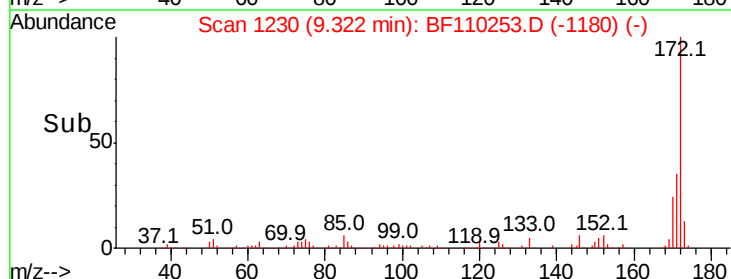
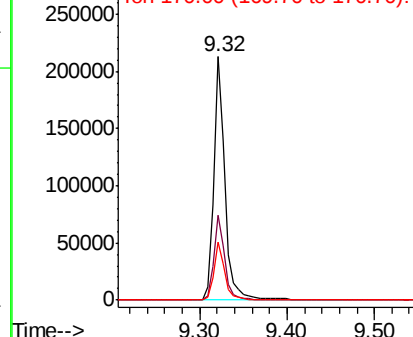


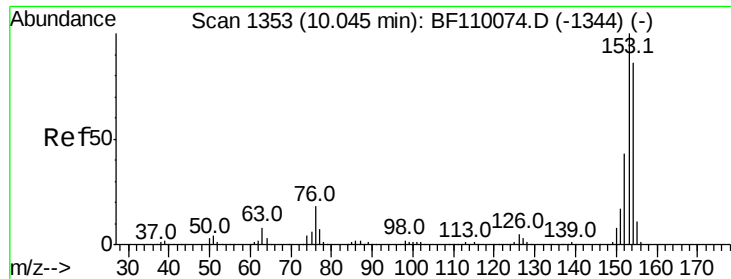
Abundance

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





#52

Acenaphthene

Concen: 2.180 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Instrument :

BNA_F

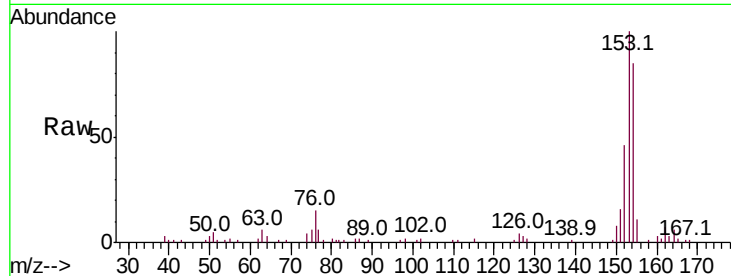
ClientSampleId :

SU-01-102518-ARE

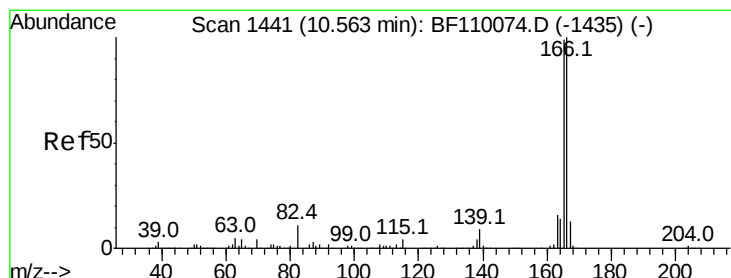
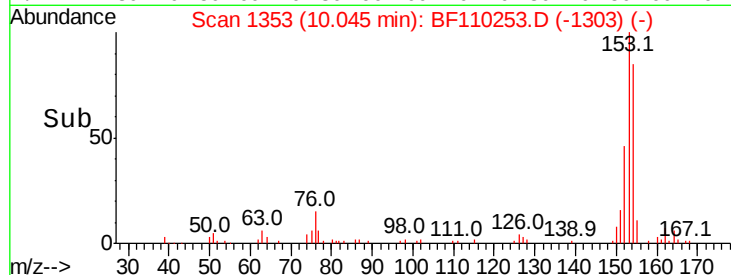
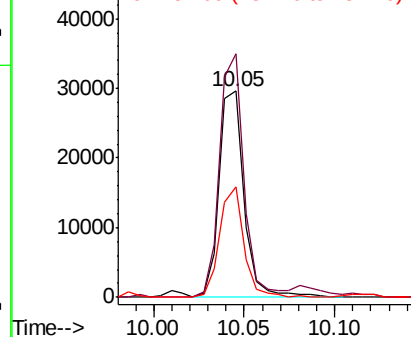
Tot Ion:	154	Resp:	28436
Ion Ratio	Lower	Upper	
154	100		
153	118.1	90.1	135.1
152	53.9	43.4	65.2

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 2.012 ng

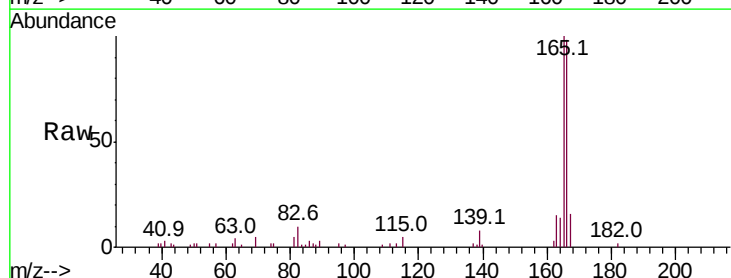
RT: 10.56 min Scan# 1441

Delta R.T. 0.00 min

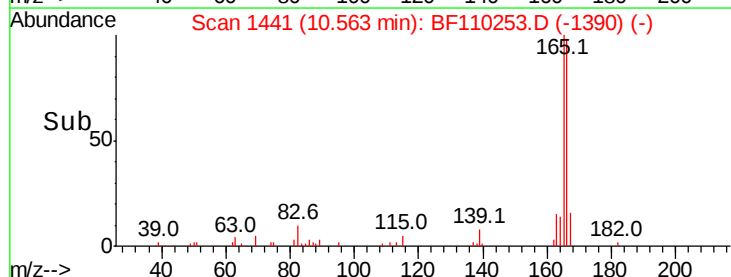
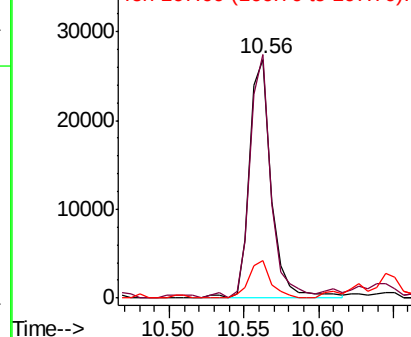
Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Tgt Ion:	166	Resp:	27347
Ion Ratio	Lower	Upper	
166	100		
165	101.9	78.6	117.8
167	15.9	10.8	16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Instrument :

BNA_F

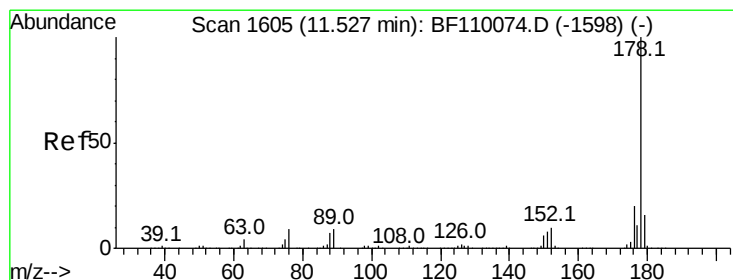
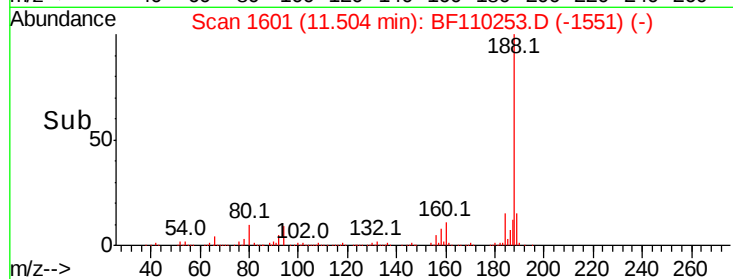
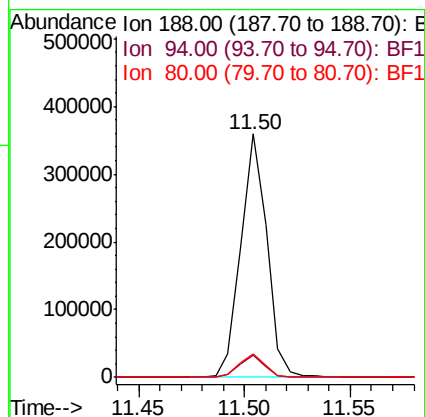
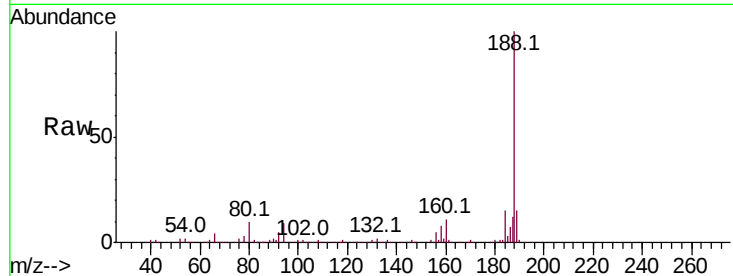
ClientSampleId :

SU-01-102518-ARE

Tot Ion:	188	Resp:	305635
Ion Ratio	Lower	Upper	
188	100		
94	9.0	7.2	10.8
80	9.9	7.9	11.9

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#71

Phenanthrene

Concen: 13.319 ng

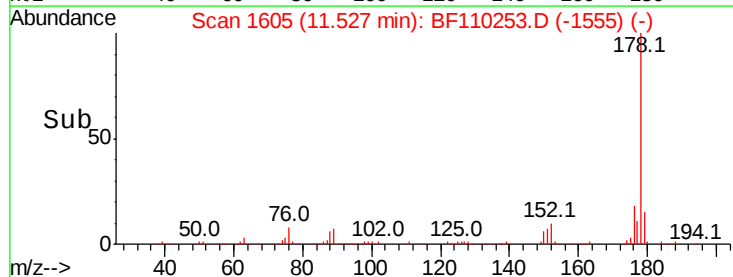
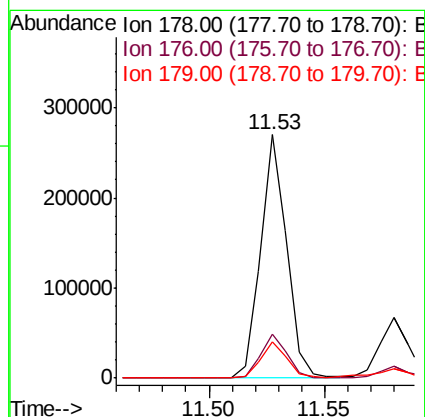
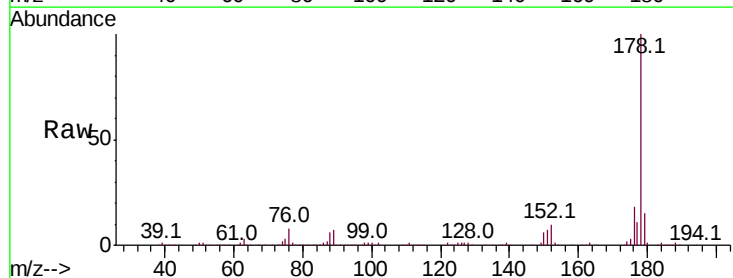
RT: 11.53 min Scan# 1605

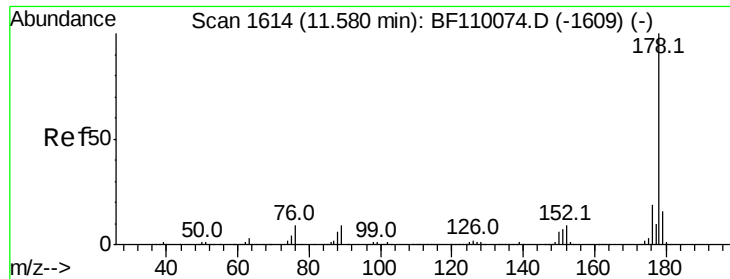
Delta R.T. -0.01 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Tgt Ion:	178	Resp:	212998
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.5	23.3
179	15.1	12.5	18.7





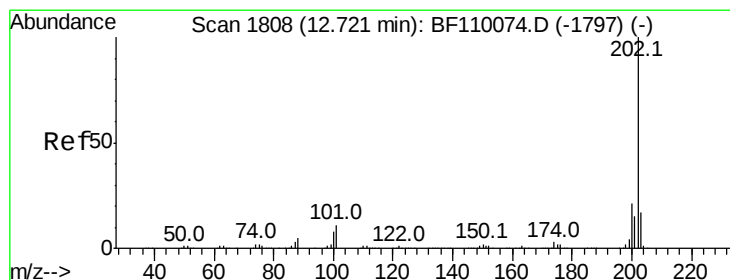
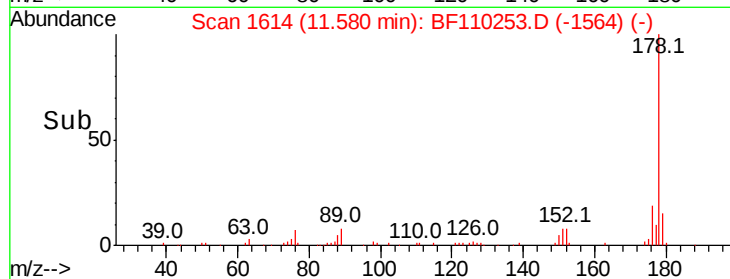
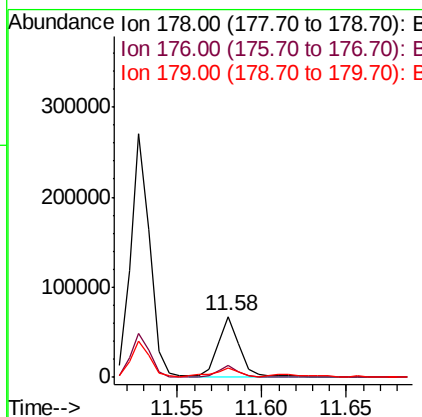
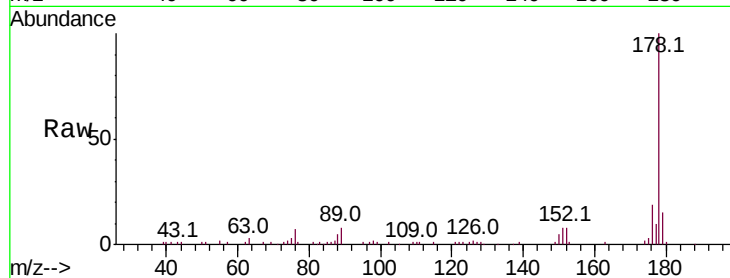
#72
 Anthracene
 Concen: 3.787 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF110253.D
 Acq: 29 Oct 2018 11:04

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-102518-ARE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.5	12.6	18.8

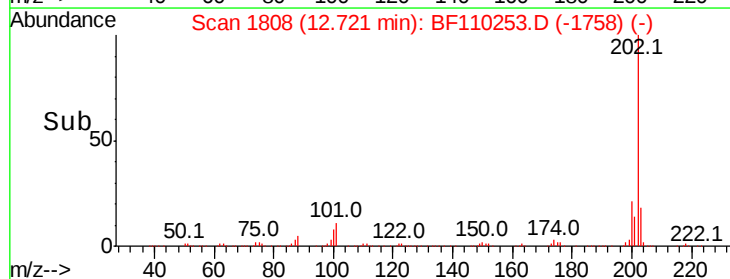
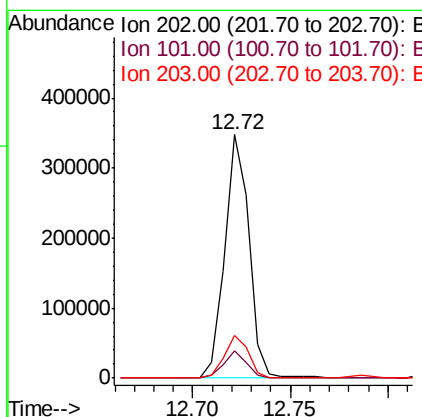
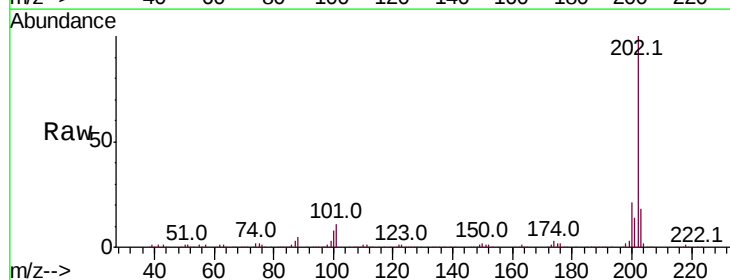
Manual Integrations
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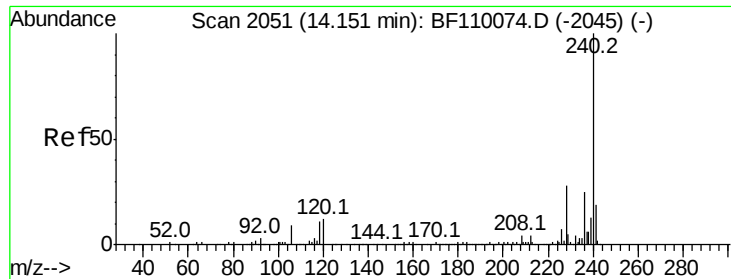
Sohil
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#75
 Fluoranthene
 Concen: 18.441 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF110253.D
 Acq: 29 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.4
203	17.6	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.00 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Instrument :

BNA_F

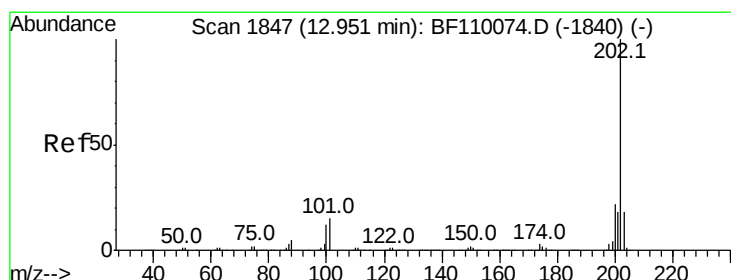
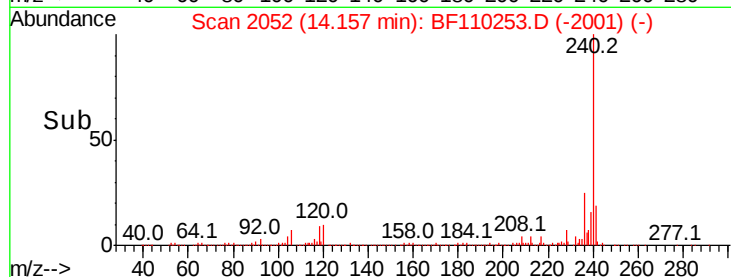
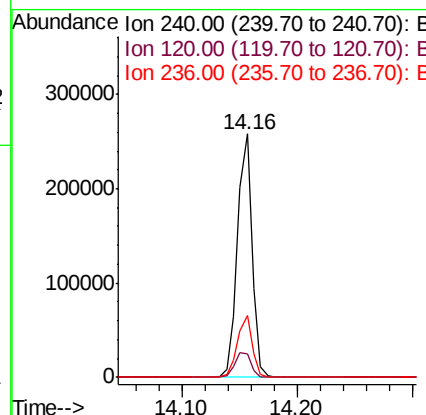
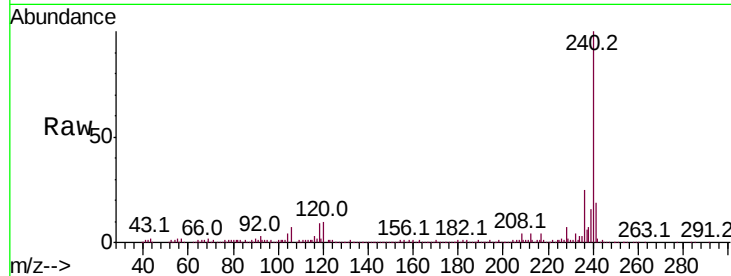
ClientSampleId :

SU-01-102518-ARE

Tot Ion:	240	Resp:	228982
Ion Ratio	Lower	Upper	
240	100		
120	9.8	8.3	12.5
236	25.2	21.2	31.8

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#78

Pyrene

Concen: 15.482 ng

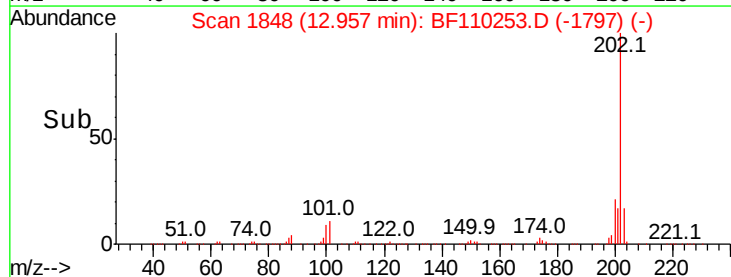
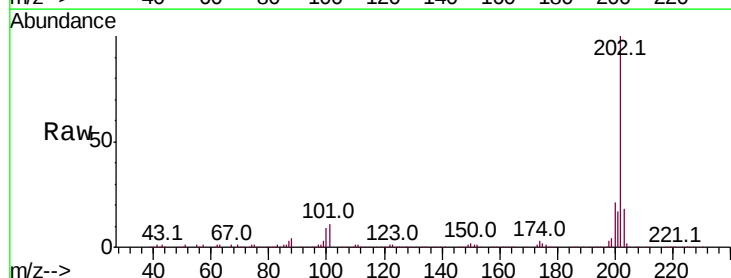
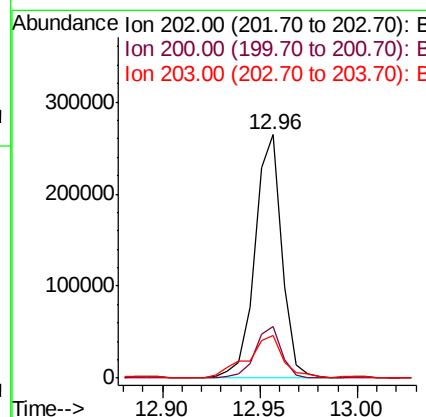
RT: 12.96 min Scan# 1848

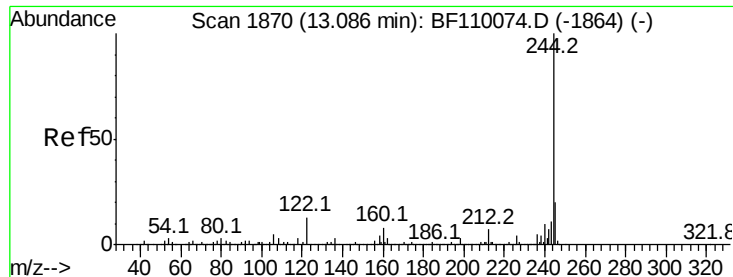
Delta R.T. 0.00 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Tgt Ion:	202	Resp:	254149
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.8	26.6
203	17.7	14.2	21.4





#79

Terphenyl-d14

Concen: 11.746 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Instrument :

BNA_F

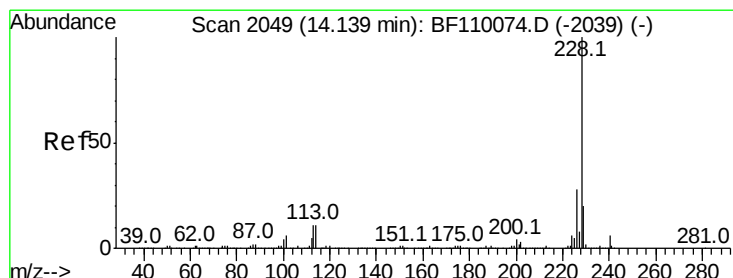
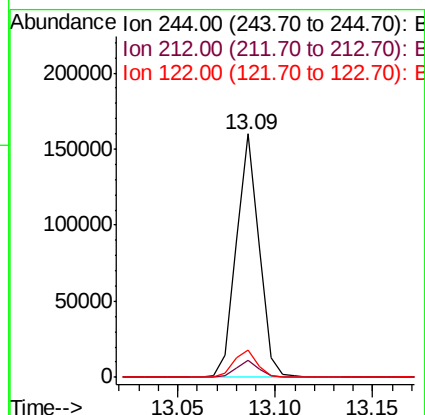
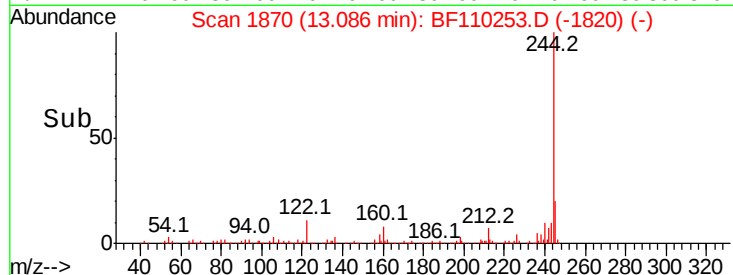
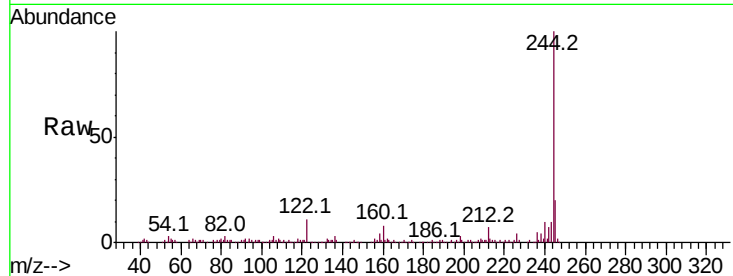
ClientSampleId :

SU-01-102518-ARE

Tot Ion:	244	Resp:	129324
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.8
122	11.1	8.7	13.1

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#81

Benzo(a)anthracene

Concen: 9.015 ng

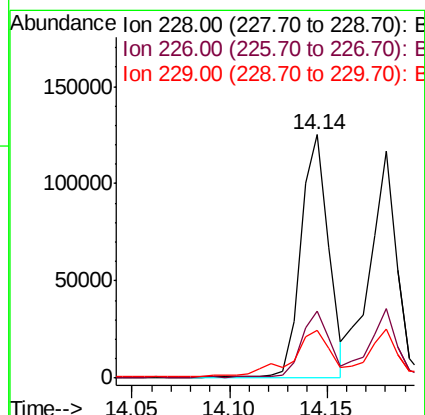
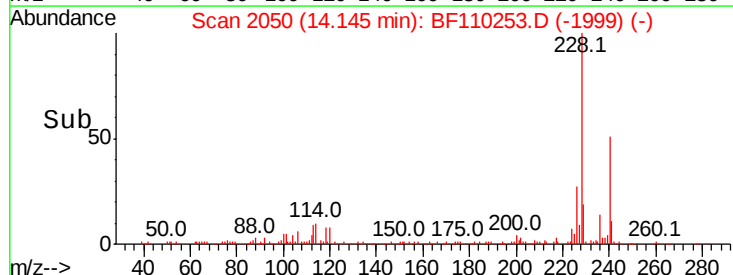
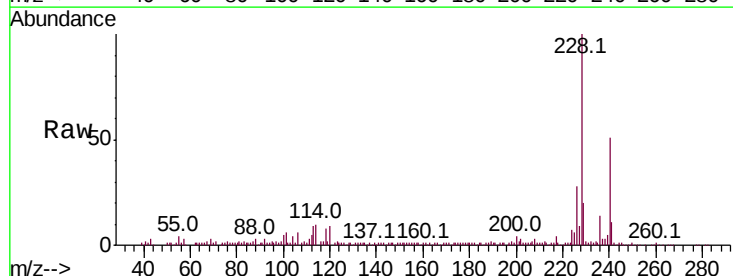
RT: 14.14 min Scan# 2050

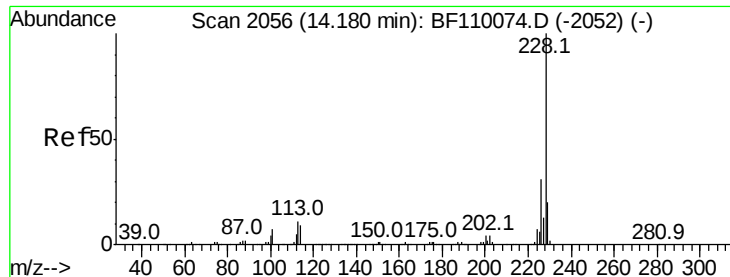
Delta R.T. 0.00 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Tgt Ion:	228	Resp:	122411
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.1	33.1
229	19.9	15.6	23.4





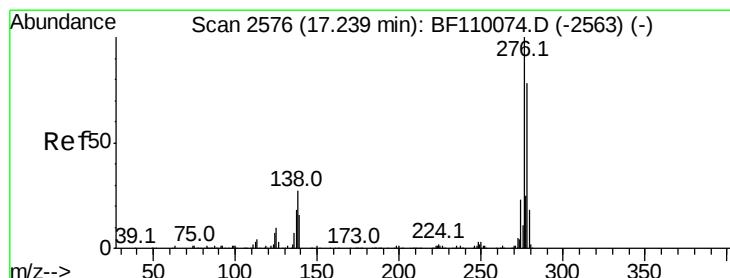
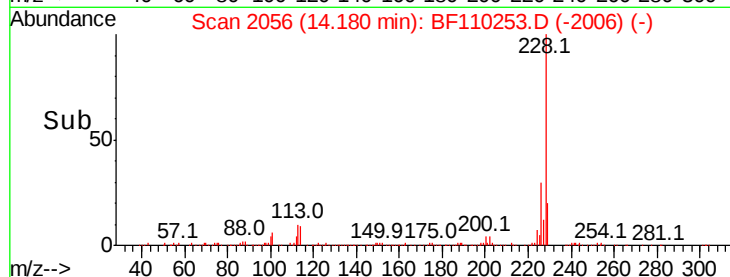
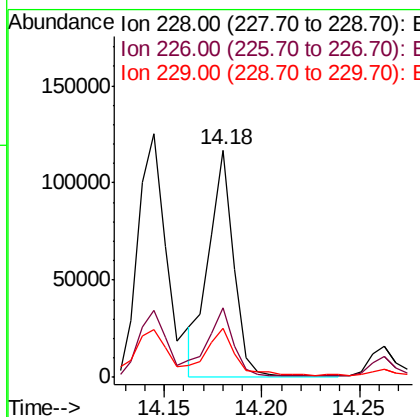
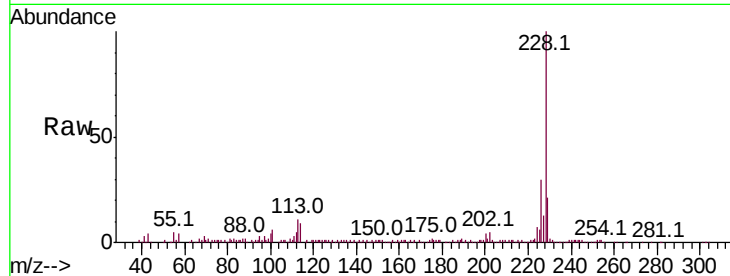
#83
Chrysene
Concen: 8.004 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

Instrument :
BNA_F
ClientSampleId :
SU-01-102518-ARE

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	21.3	15.9	23.9

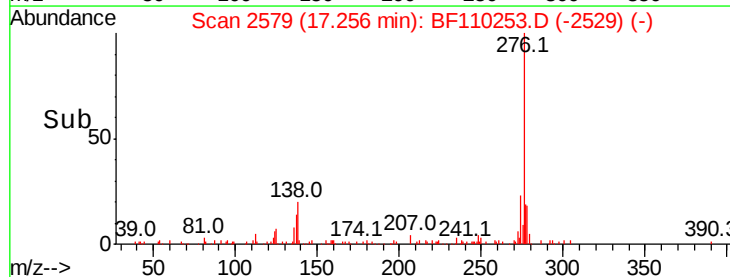
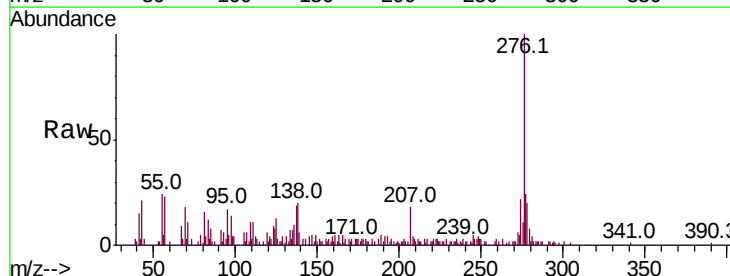
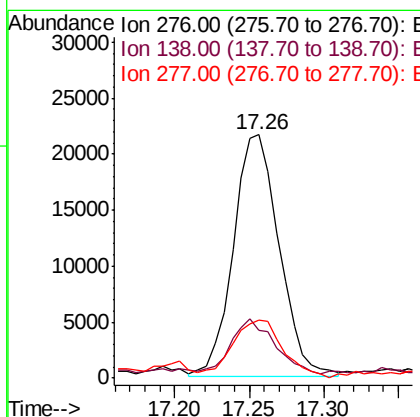
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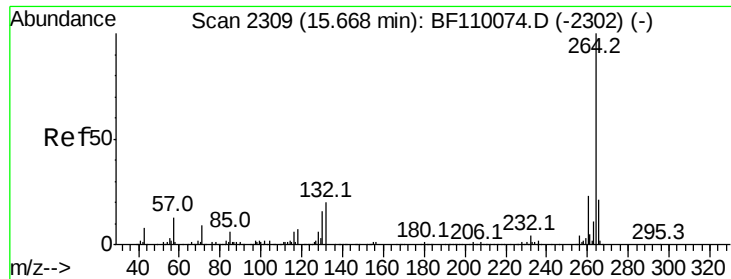
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.295 ng
RT: 17.26 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	18.5	27.7
277	26.8	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2312

Delta R.T. 0.00 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Instrument :

BNA_F

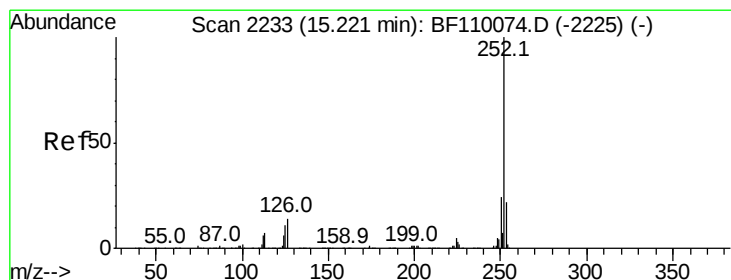
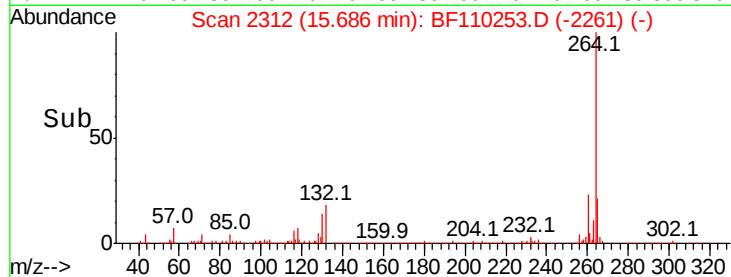
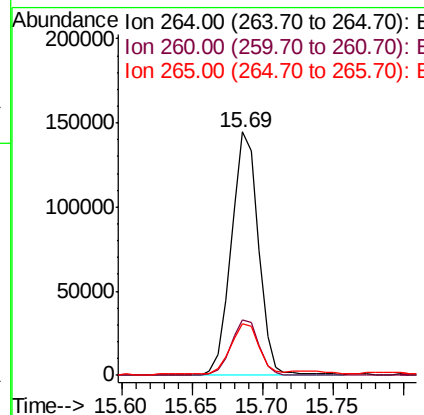
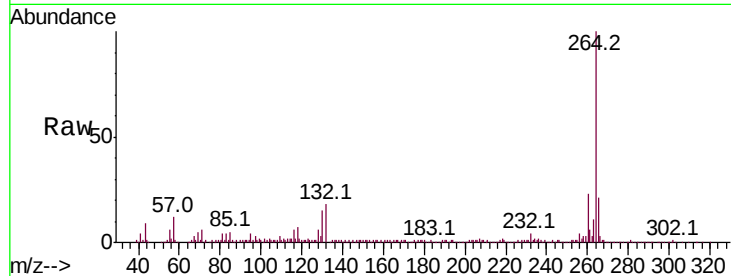
ClientSampleId :

SU-01-102518-ARE

Tot Ion:	264	Resp:	193825
Ion Ratio	Lower	Upper	
264	100		
260	22.8	18.7	28.1
265	21.2	16.7	25.1

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#88

Benzo(b)fluoranthene

Concen: 11.866 ng m

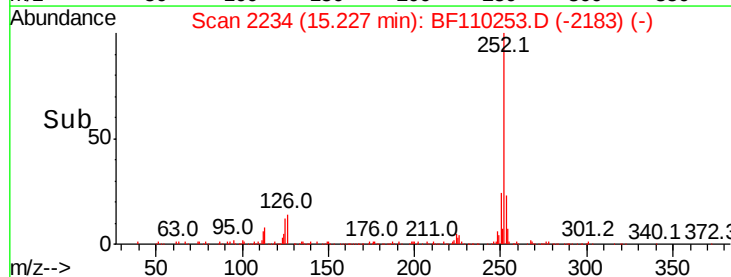
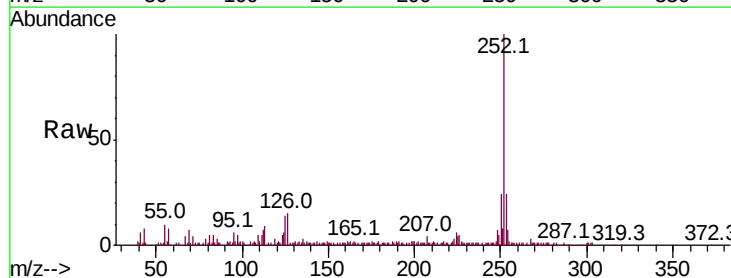
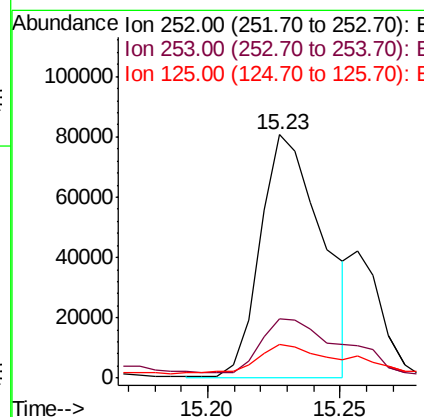
RT: 15.23 min Scan# 2234

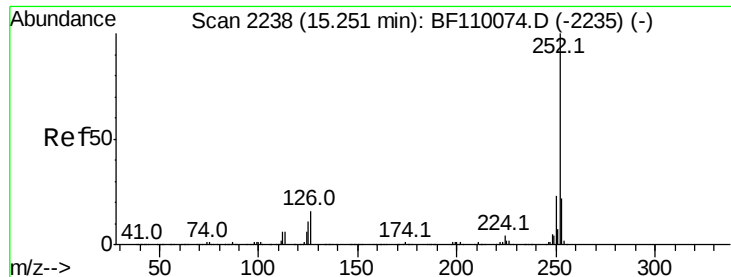
Delta R.T. 0.00 min

Lab File: BF110253.D

Acq: 29 Oct 2018 11:04

Tgt Ion:	252	Resp:	132812
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.2	25.8
125	13.9	8.2	12.4#





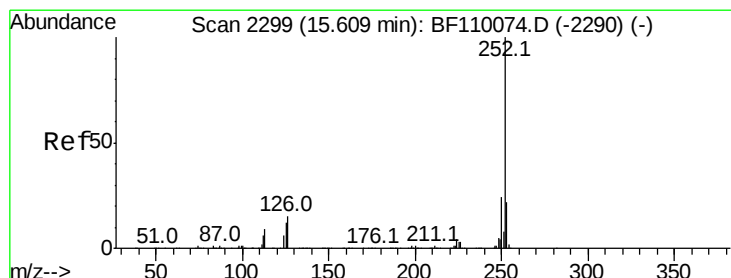
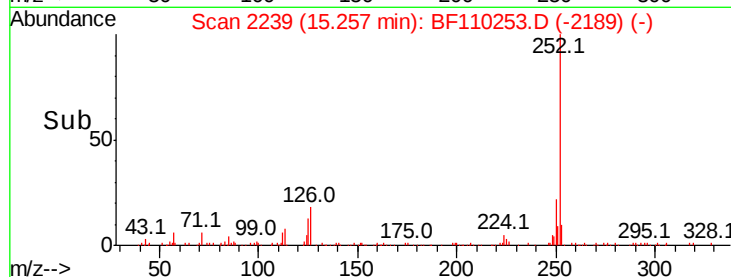
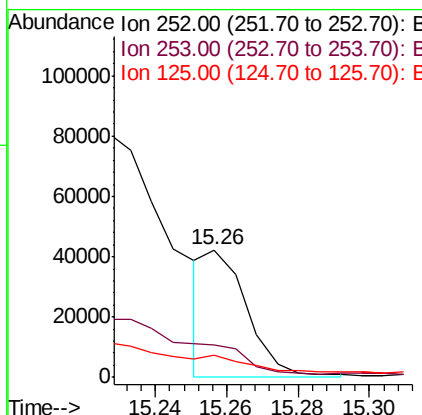
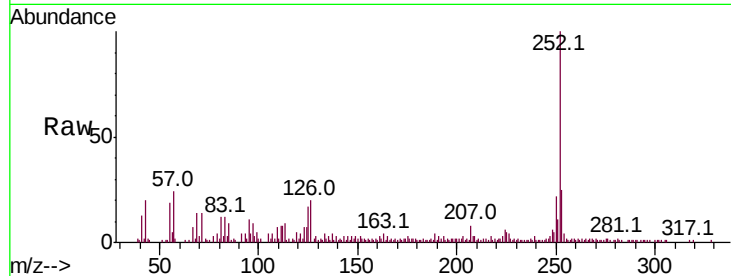
#89
Benzo(k)fluoranthene
Concen: 3.146 ng m
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

Instrument :
BNA_F
ClientSampleId :
SU-01-102518-ARE

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.2	25.8
125	16.9	7.4	11.0

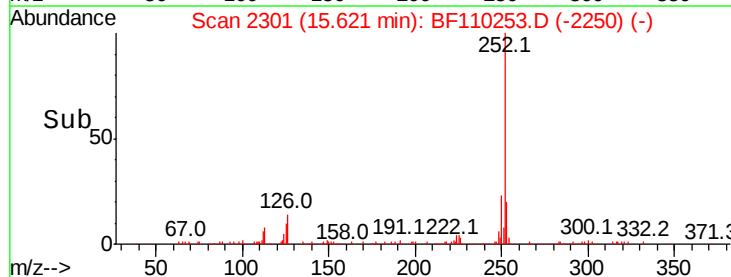
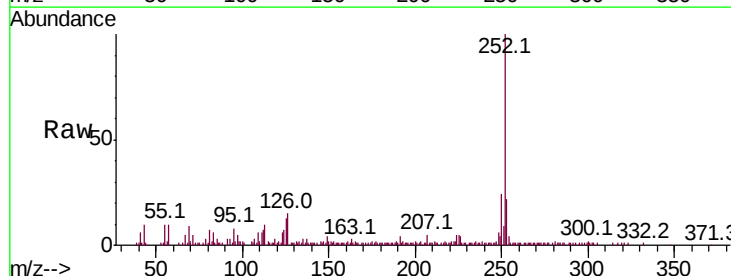
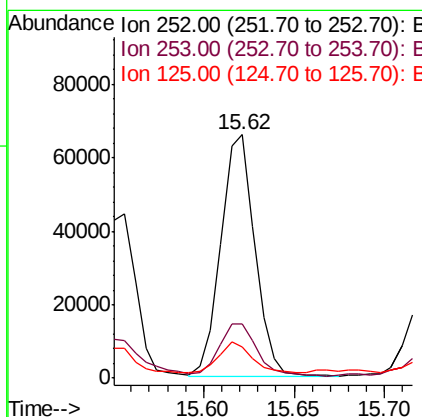
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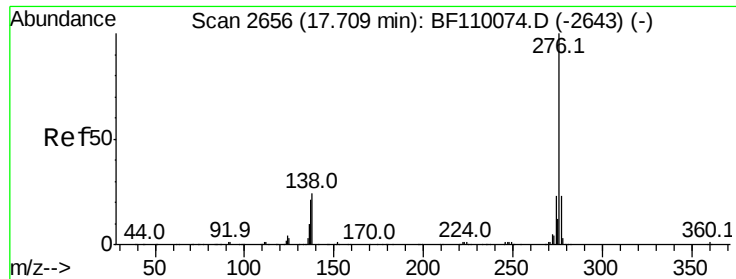
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#90
Benzo(a)pyrene
Concen: 8.359 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.00 min
Lab File: BF110253.D
Acq: 29 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.4
125	12.6	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 5.050 ng
 RT: 17.73 min Scan# 2660
 Delta R.T. -0.01 min
 Lab File: BF110253.D
 Acq: 29 Oct 2018 11:04

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-102518-ARE

Tot Ion:	276	Resp:	44226
Ion Ratio	Lower	Upper	
276	100		
277	26.1	18.8	28.2
138	22.4	16.0	24.0

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