

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
 Data File : BF110321.D
 Acq On : 30 Oct 2018 23:27
 Operator : JU/SJ
 Sample : J5685-07RE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-31RE

Manual Integrations
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 10/31/2018 11:15:09 AM

Quant Time: Oct 31 07:37:14 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 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	79552	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	298708	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	116208	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	182102	20.00	ng	0.00
76) Chrysene-d12	14.16	240	157508	20.00	ng	0.00
87) Perylene-d12	15.70	264	106426	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	450223	92.16	ng	0.00
7) Phenol-d6	6.59	99	555654	88.93	ng	0.00
23) Nitrobenzene-d5	7.53	82	329848	65.50	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	95893	83.30	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	612353	82.74	ng	0.00
79) Terphenyl-d14	13.09	244	467942	61.79	ng	0.00
Target Compounds						
10) Phenol	6.60	94	38505	5.765	ng	Qvalue # 69
50) Dimethylphthalate	9.72	163	97989	11.423	ng	99
71) Phenanthrene	11.53	178	191050	20.051	ng	100
72) Anthracene	11.59	178	49724	5.206	ng	96
75) Fluoranthene	12.73	202	350795	36.276	ng	99
78) Pyrene	12.96	202	313393	27.754	ng	97
81) Benzo(a)anthracene	14.15	228	153515	16.435	ng	98
83) Chrysene	14.19	228	149780	16.883	ng	98
86) Indeno(1,2,3-cd)pyrene	17.27	276	55580	7.552	ng	98
88) Benzo(b)fluoranthene	15.24	252	143318m	23.320	ng	
89) Benzo(k)fluoranthene	15.26	252	47515m	7.864	ng	
90) Benzo(a)pyrene	15.63	252	91516	16.183	ng	# 96
91) Dibenzo(a,h)anthracene	17.28	278	14502	2.972	ng	# 74
92) Benzo(a,h,i)perylene	17.76	276	54791	11.395	ng	99

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

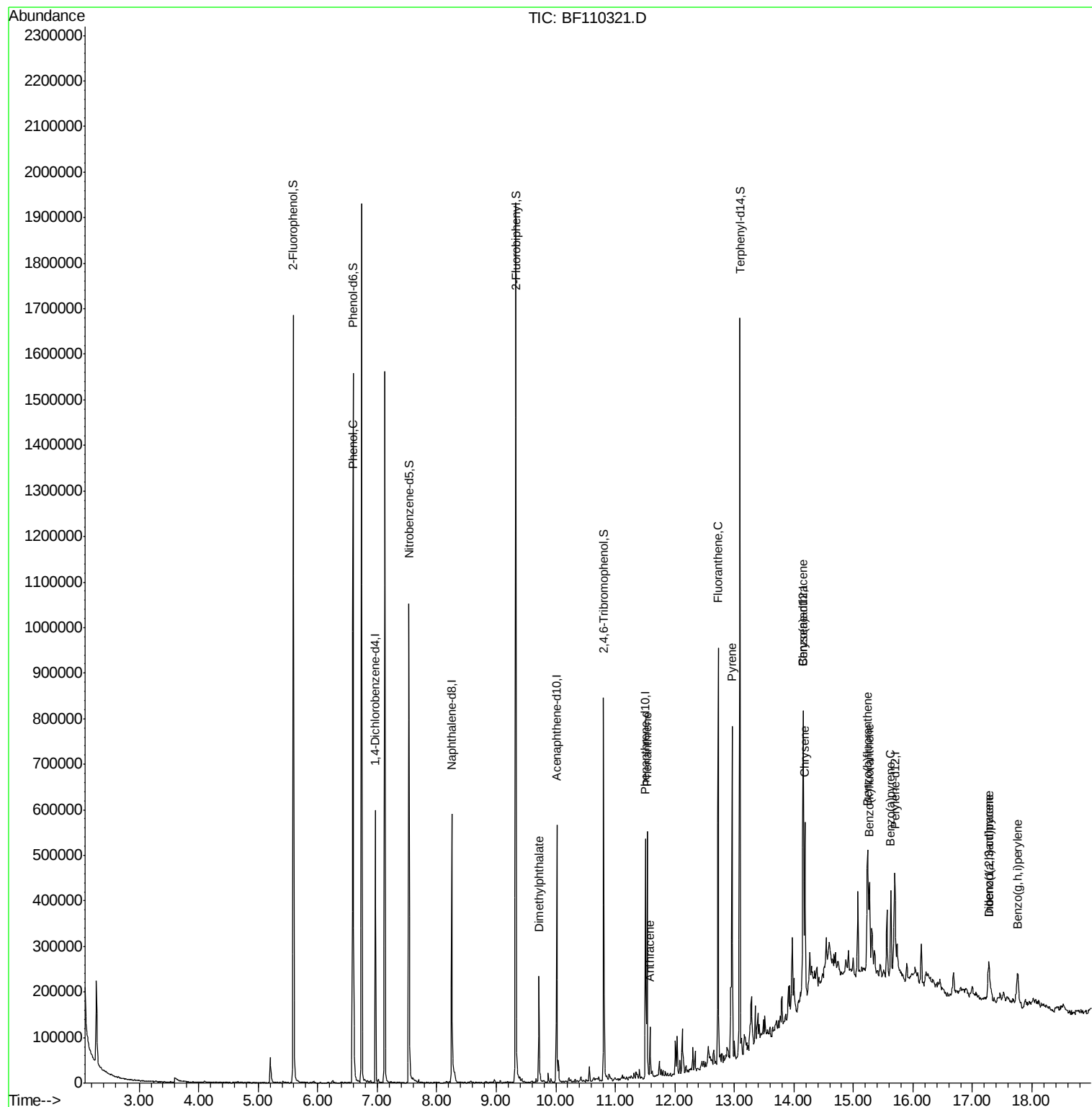
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110321.D
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#1

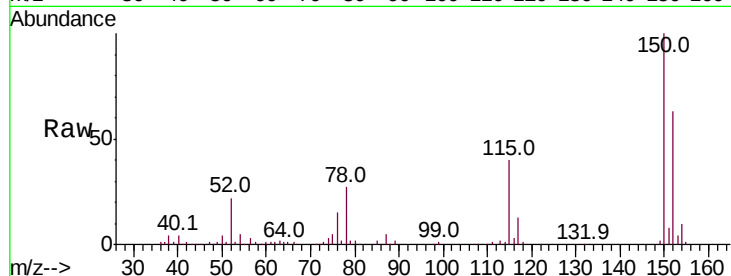
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-31RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	122.7	184.1
115	64.1	49.1	73.7

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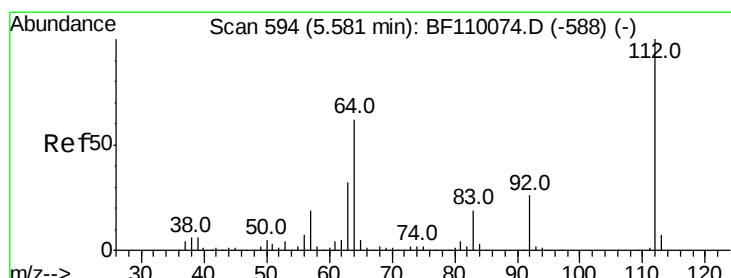
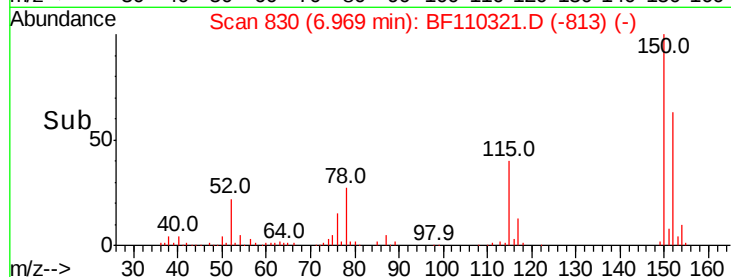
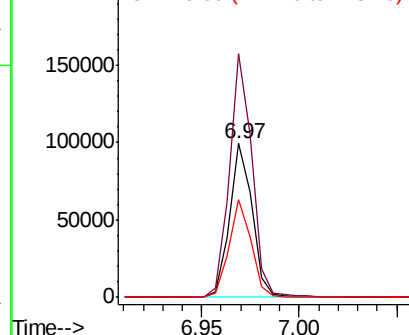


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

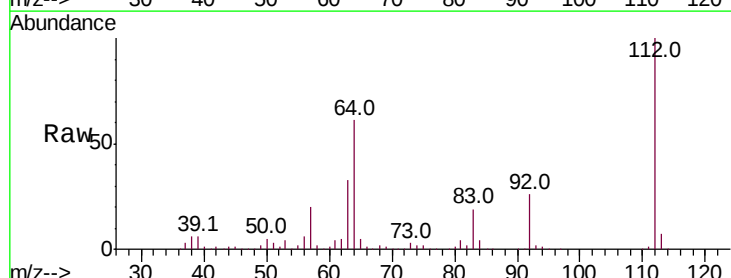
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.162 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	44.1	66.1
63	33.0	23.7	35.5

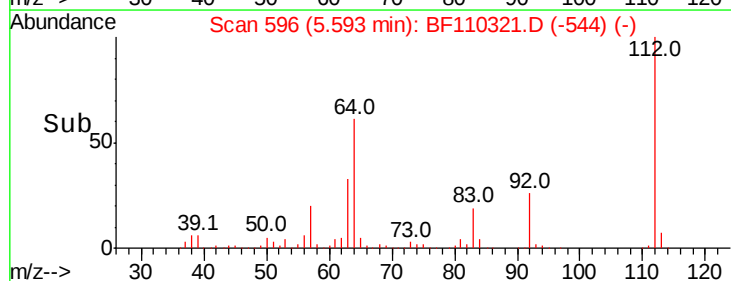
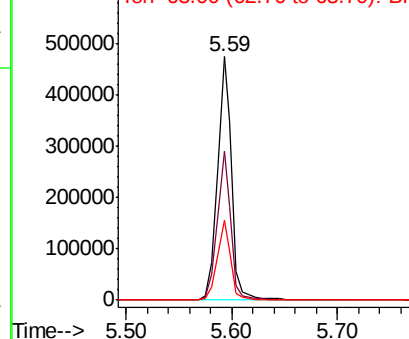


Abundance

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: 88.927 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF110321.D

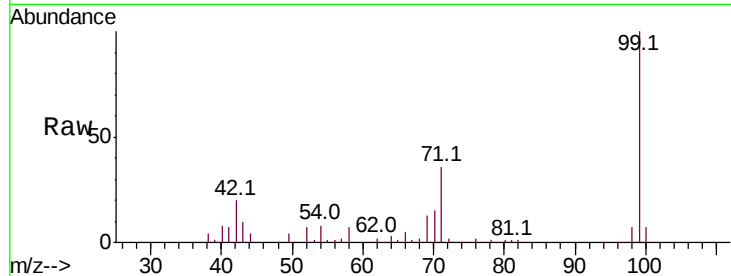
Acq: 30 Oct 2018 23:27

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-31RE

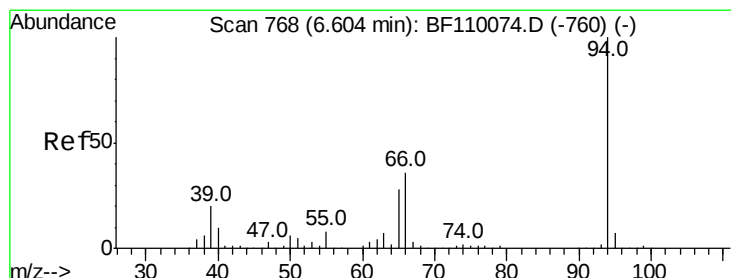
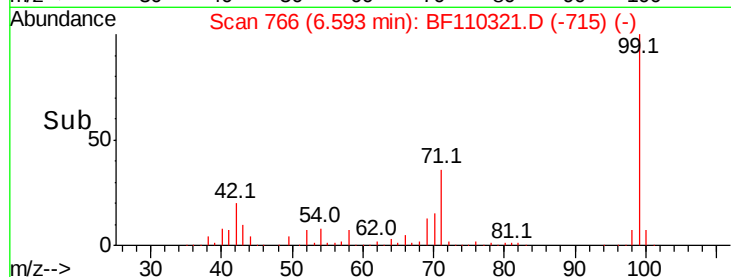
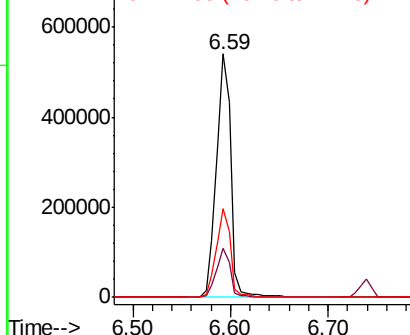
Tot Ion:	99	Resp:	555654
Ion	Ratio	Lower	Upper
99	100		
42	20.3	15.8	23.6
71	36.3	28.0	42.0

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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



#10

Phenol

Concen: 5.765 ng

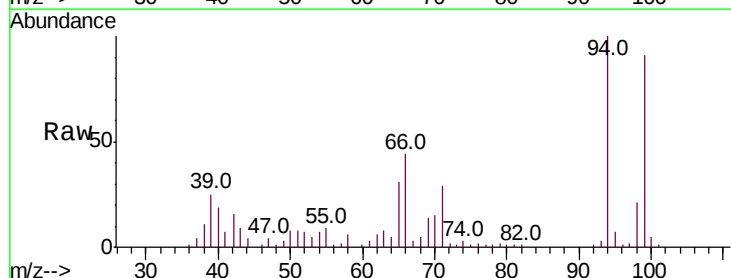
RT: 6.60 min Scan# 768

Delta R.T. 0.00 min

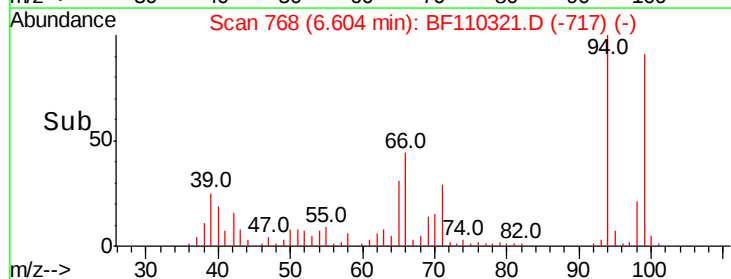
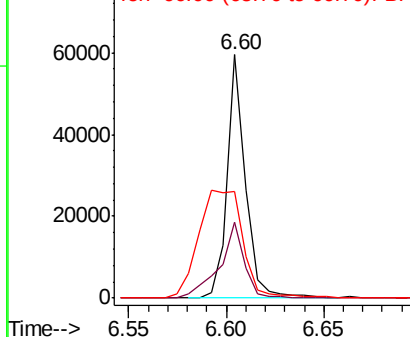
Lab File: BF110321.D

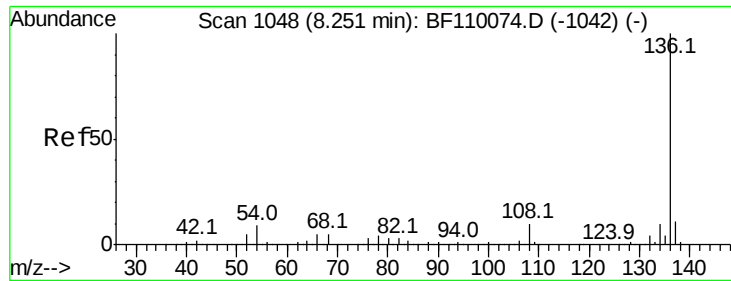
Acq: 30 Oct 2018 23:27

Tgt Ion:	94	Resp:	38505
Ion	Ratio	Lower	Upper
94	100		
65	31.1	25.3	65.3
66	43.7	54.5	94.5#



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





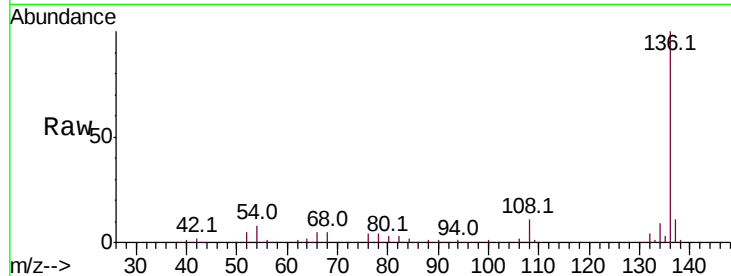
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-31RE

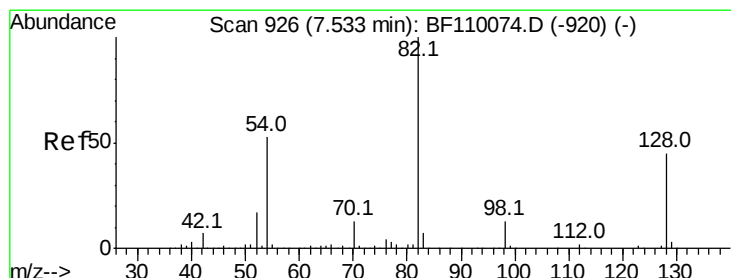
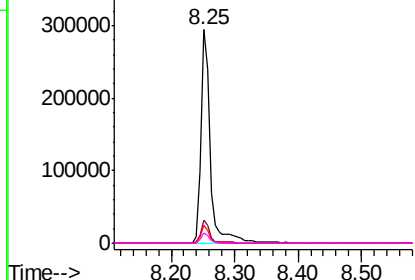
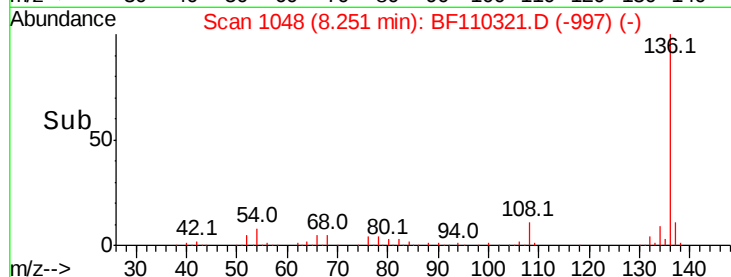
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.4	5.4	8.2#
68	4.9	4.2	6.2

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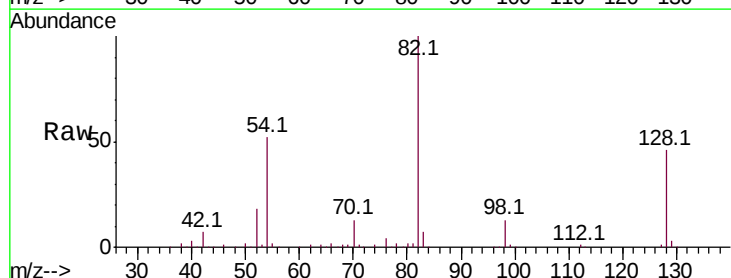


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

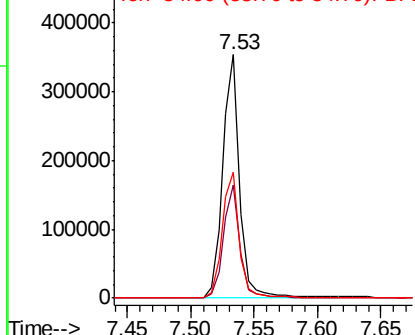
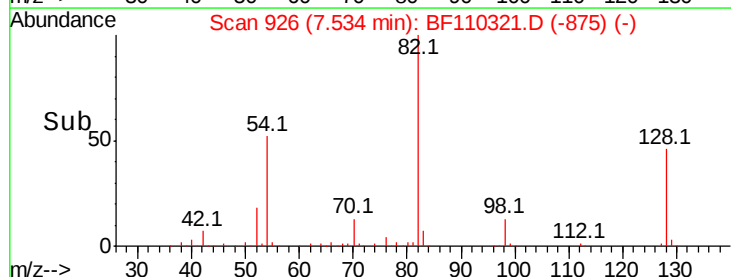


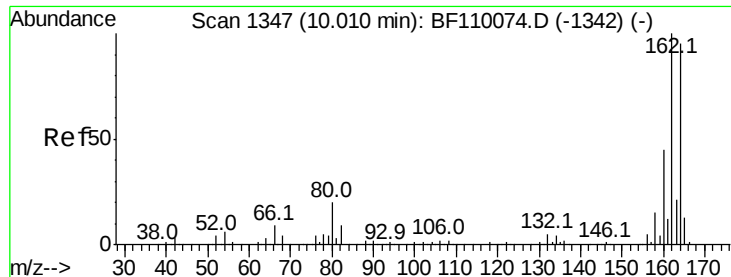
#23
Nitrobenzene-d5
Concen: 65.497 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.4	34.2	51.2
54	51.6	38.6	58.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





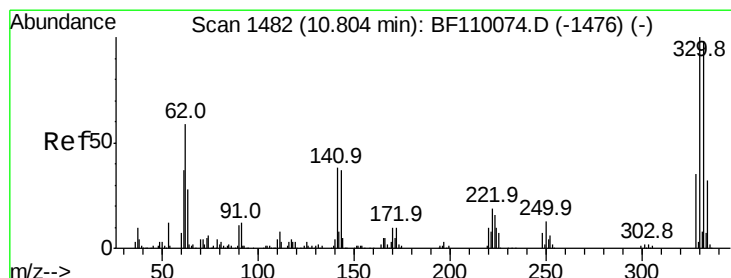
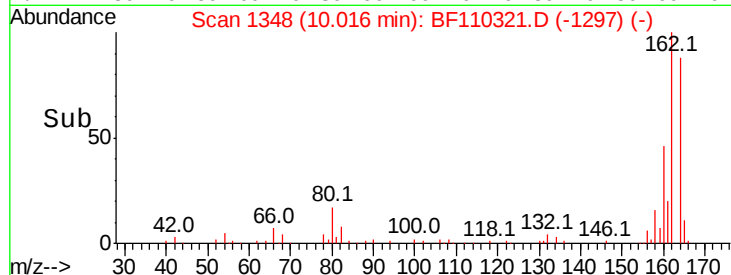
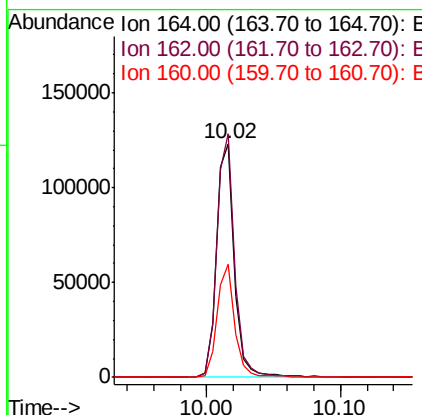
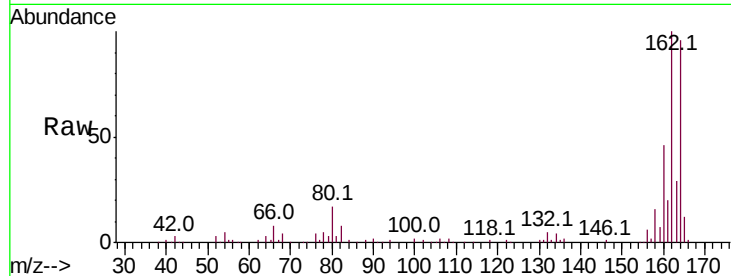
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-31RE

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.3	83.0	124.6
160	48.4	37.0	55.6

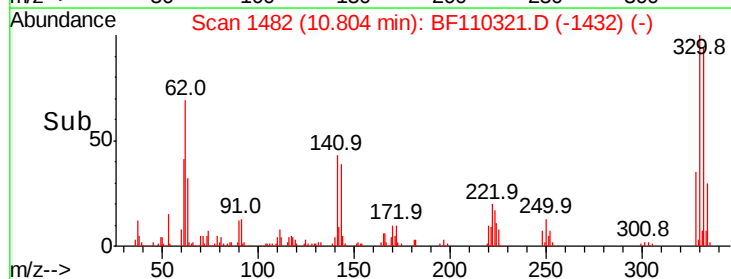
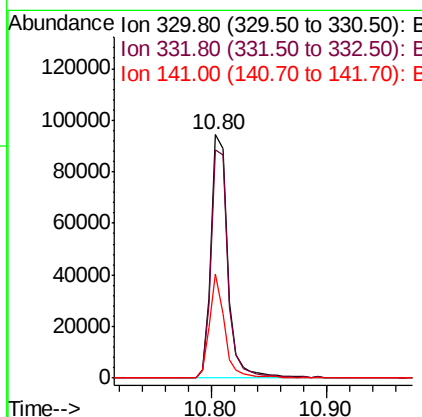
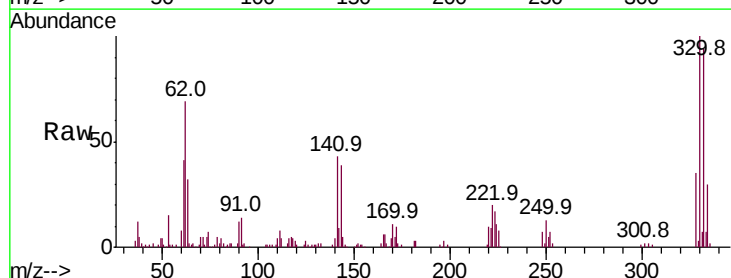
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#42
2,4,6-Tribromophenol
Concen: 83.304 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.1	115.7
141	38.1	27.0	40.4





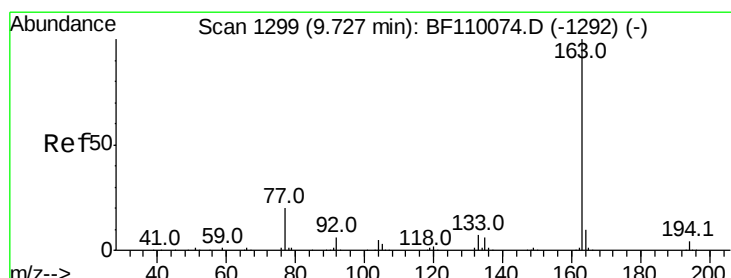
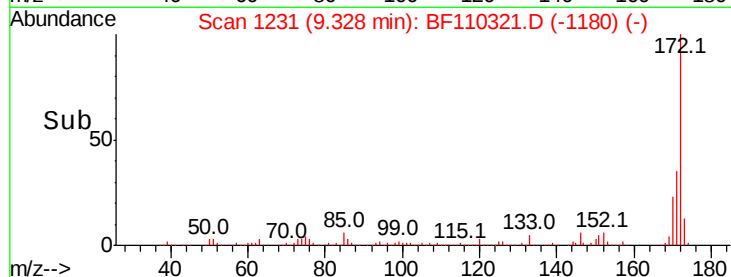
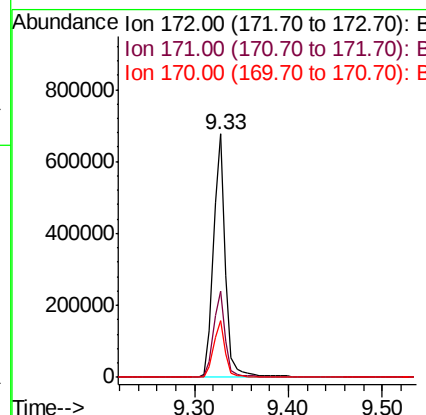
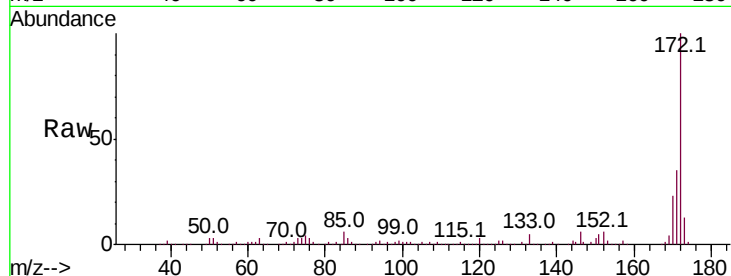
#45
 2-Fluorobiphenyl
 Concen: 82.744 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF110321.D
 Acq: 30 Oct 2018 23:27

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-31RE

Tot Ion	Ratio	Resp	Lower	Upper
172	100	612353		
171	35.3		28.6	43.0
170	23.2		19.7	29.5

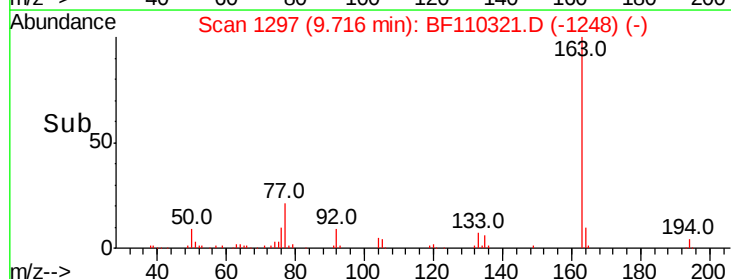
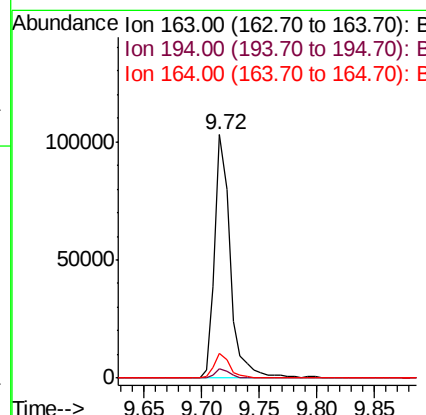
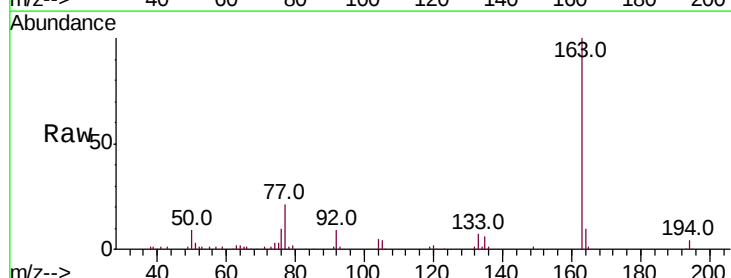
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#50
 Dimethylphthalate
 Concen: 11.423 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: BF110321.D
 Acq: 30 Oct 2018 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	97989		
194	3.7		3.2	4.8
164	10.3		8.1	12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

Instrument :

BNA_F

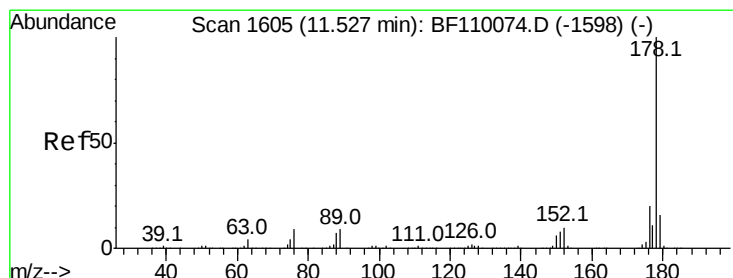
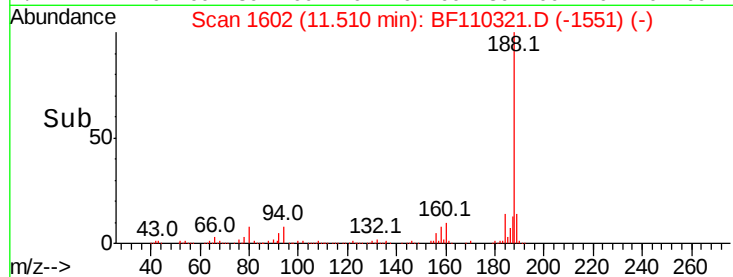
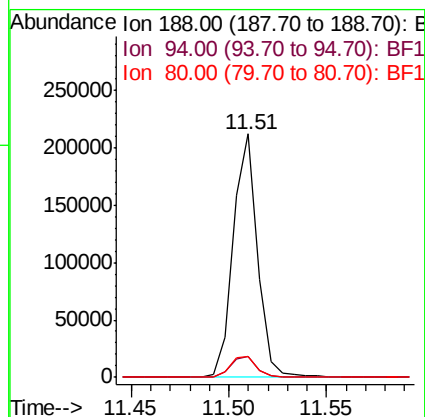
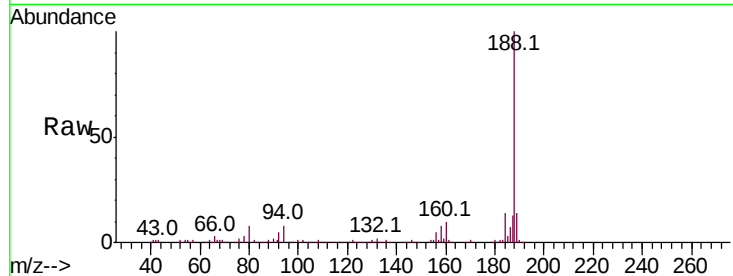
ClientSampleId :

DOCUMENTATION-31RE

Tot Ion:188	Resp:	182102
Ion Ratio	Lower	Upper
188 100		
94 8.5	7.2	10.8
80 8.4	7.9	11.9

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#71

Phenanthrene

Concen: 20.051 ng

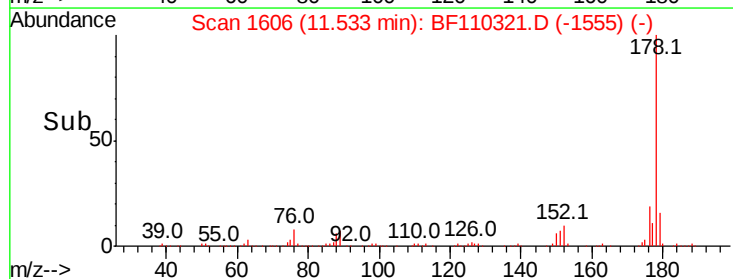
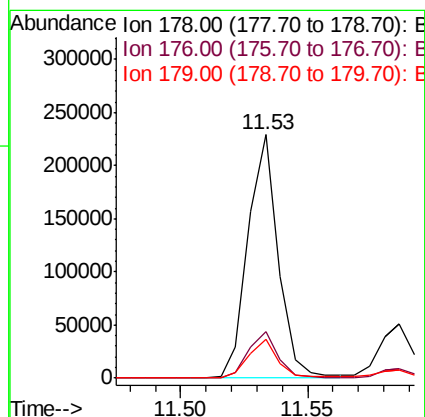
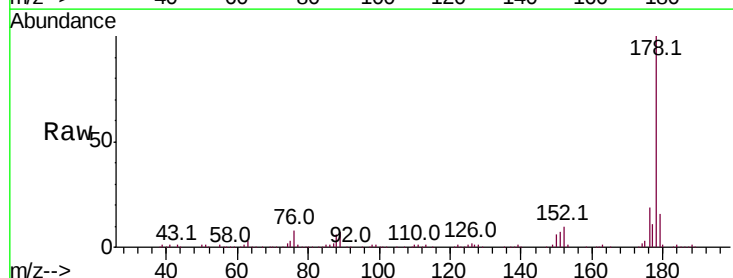
RT: 11.53 min Scan# 1606

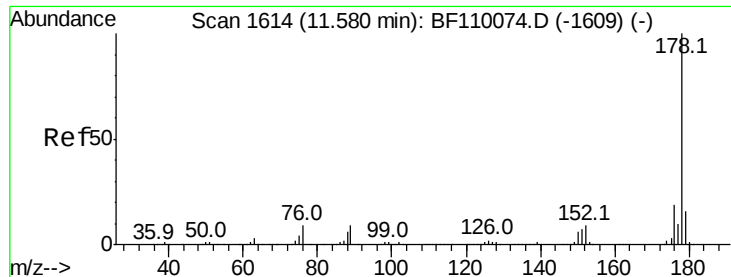
Delta R.T. 0.00 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

Tgt Ion:178	Resp:	191050
Ion Ratio	Lower	Upper
178 100		
176 19.3	15.5	23.3
179 15.7	12.5	18.7





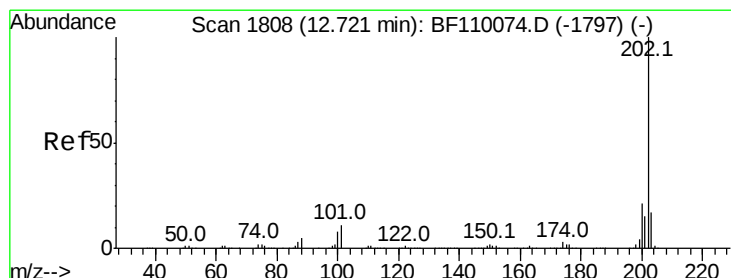
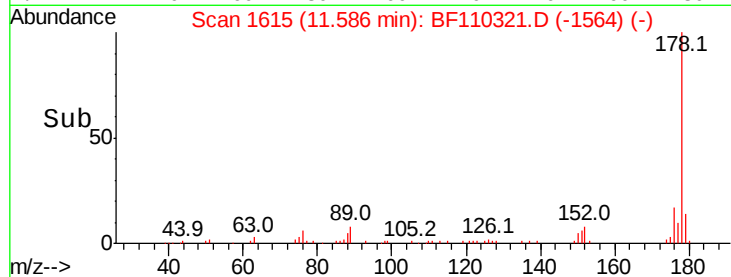
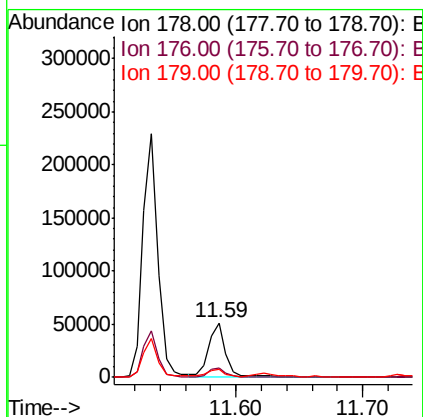
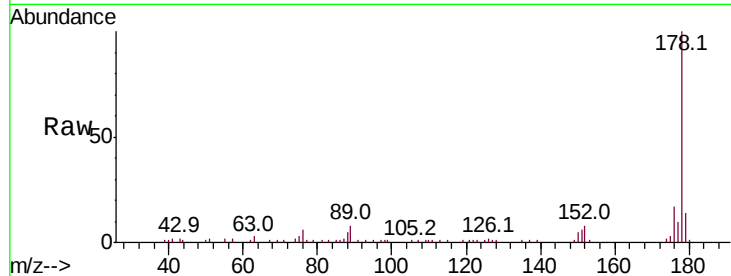
#72
 Anthracene
 Concen: 5.206 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF110321.D
 Acq: 30 Oct 2018 23:27

Instrument :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.4	23.2
179	14.5	12.6	18.8

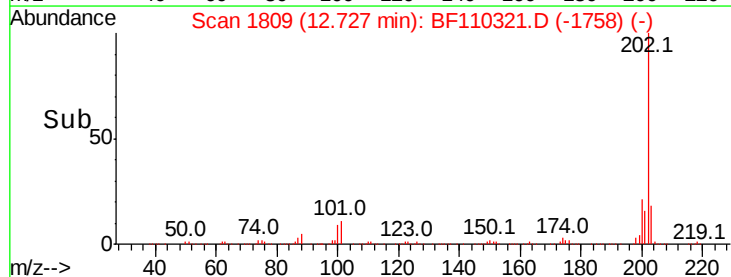
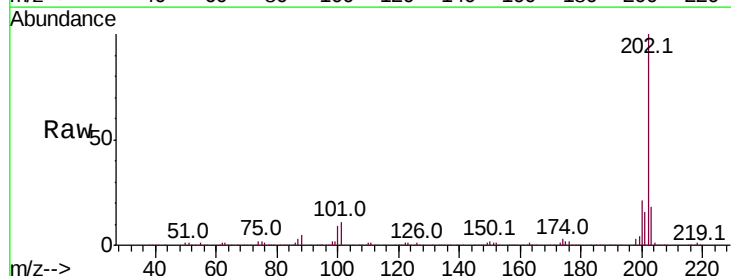
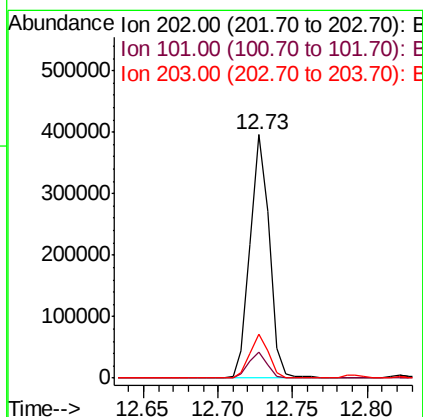
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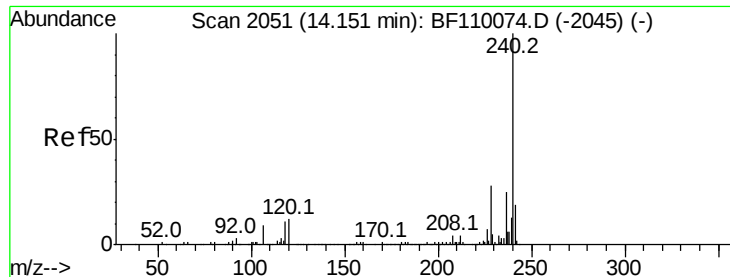
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#75
 Fluoranthene
 Concen: 36.276 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: BF110321.D
 Acq: 30 Oct 2018 23:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.4
203	17.8	0.0	37.7





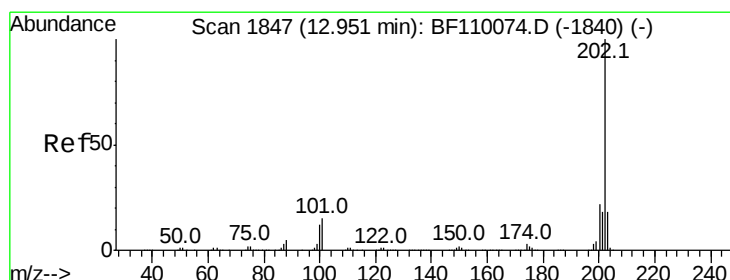
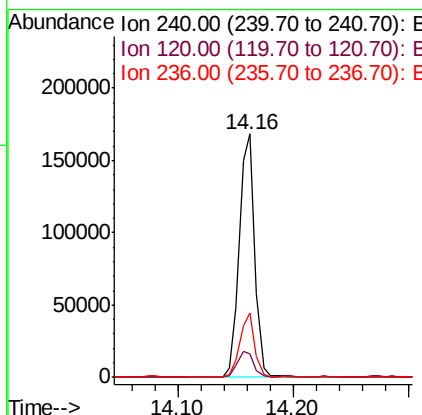
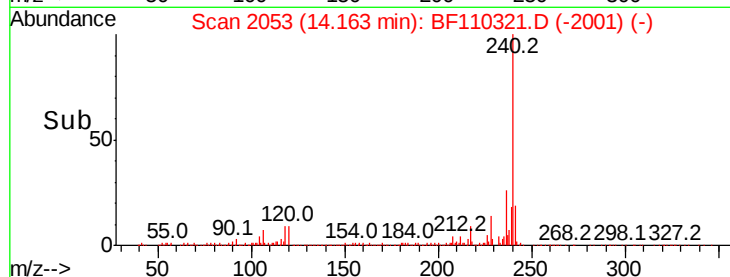
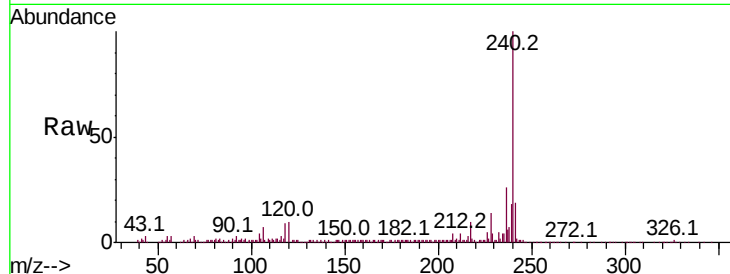
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.01 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-31RE

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.3	12.5
236	26.4	21.2	31.8

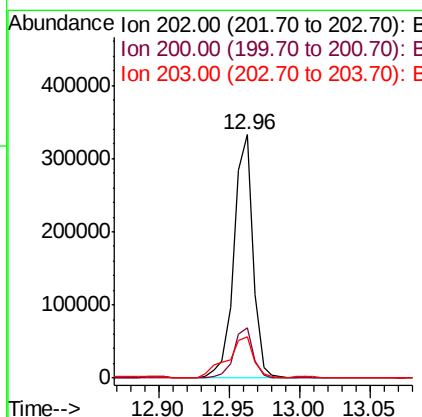
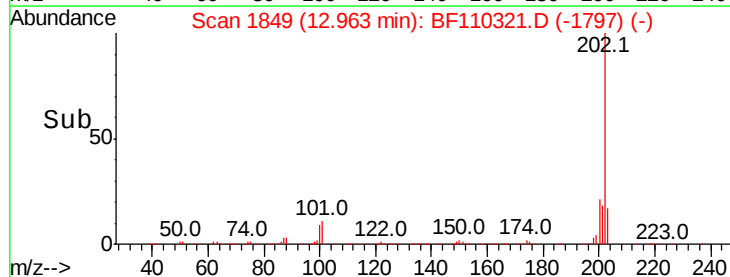
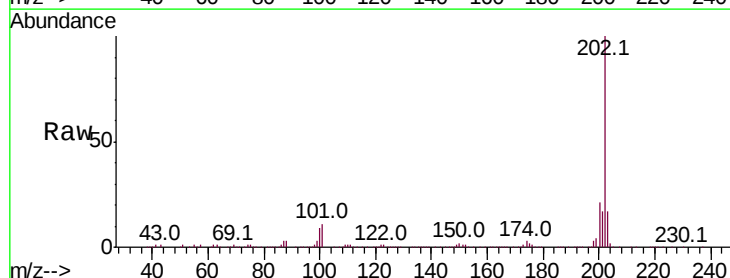
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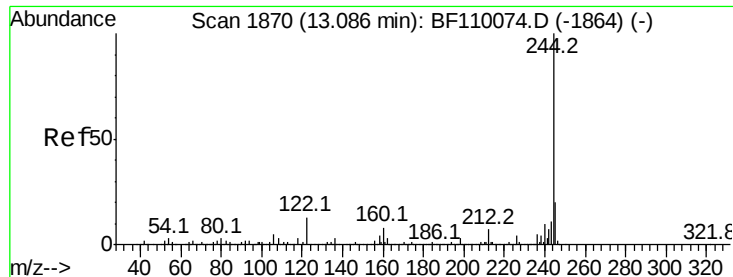
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#78
Pyrene
Concen: 27.754 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.8	26.6
203	17.1	14.2	21.4





#79

Terphenyl-d14

Concen: 61.786 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.00 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

Instrument :

BNA_F

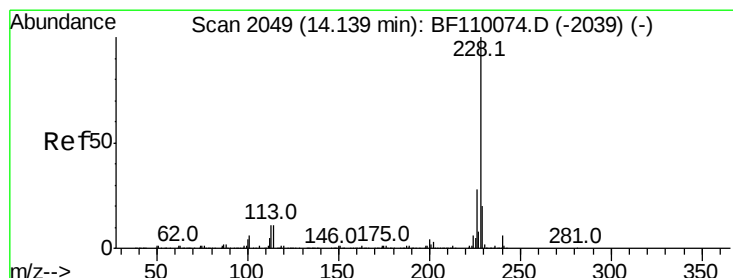
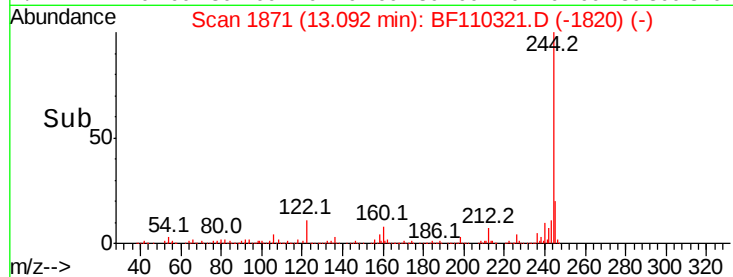
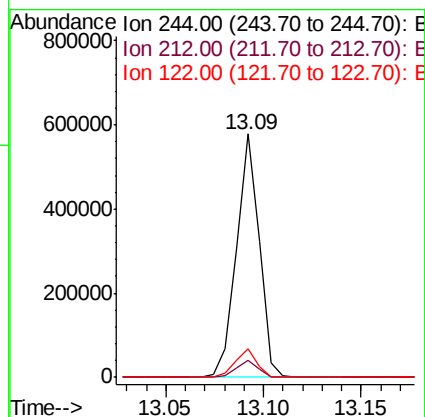
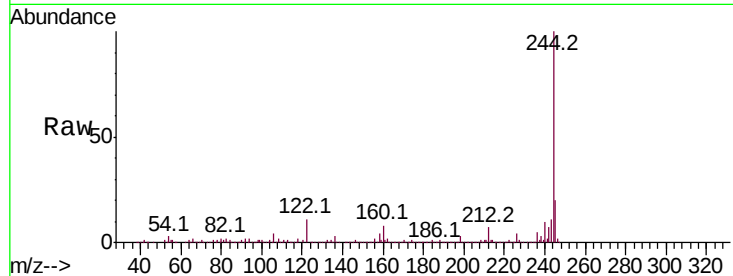
ClientSampleId :

DOCUMENTATION-31RE

Tot Ion:	244	Resp:	467942
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.8	8.8
122	11.5	8.7	13.1

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#81

Benzo(a)anthracene

Concen: 16.435 ng

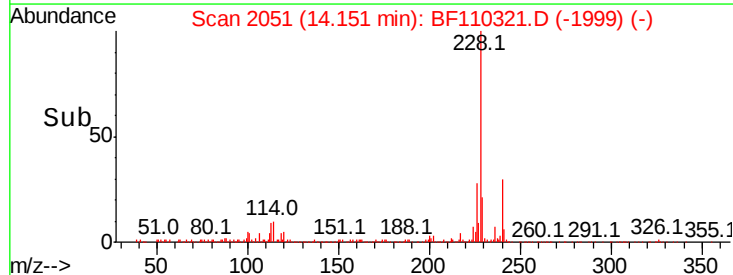
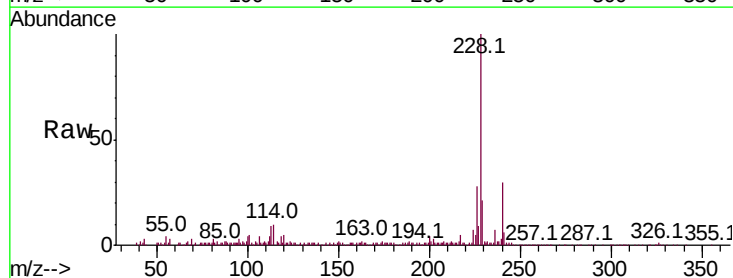
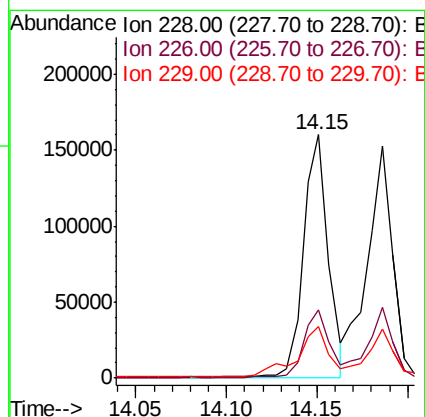
RT: 14.15 min Scan# 2051

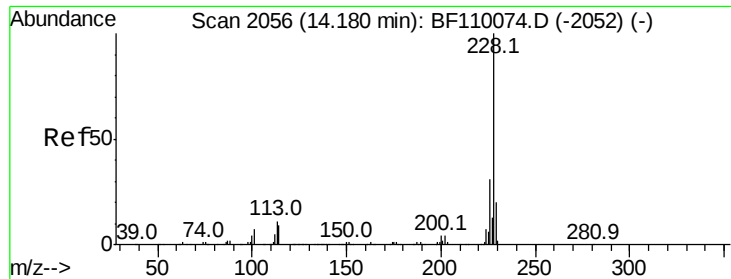
Delta R.T. 0.01 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

Tgt Ion:	228	Resp:	153515
Ion Ratio		Lower	Upper
228	100		
226	28.0	22.1	33.1
229	21.2	15.6	23.4





#83

Chrysene

Concen: 16.883 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

Instrument :

BNA_F

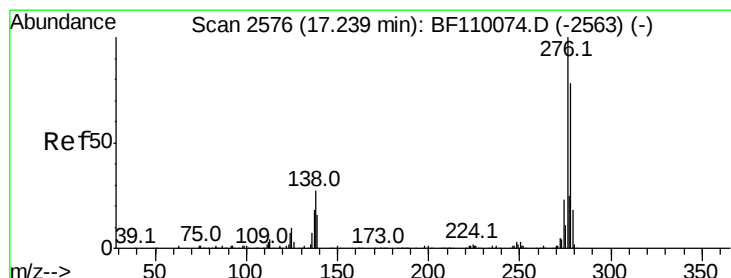
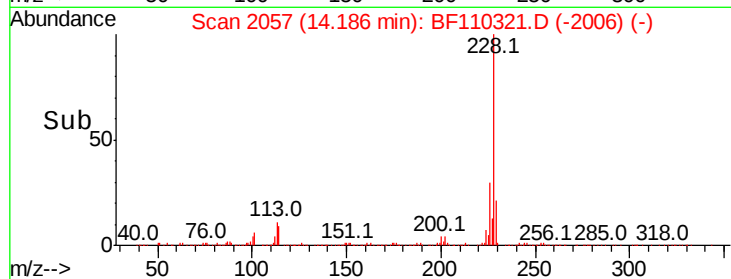
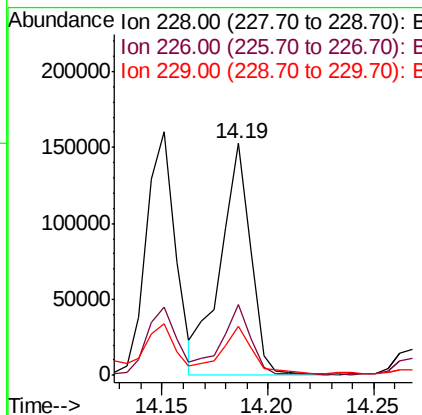
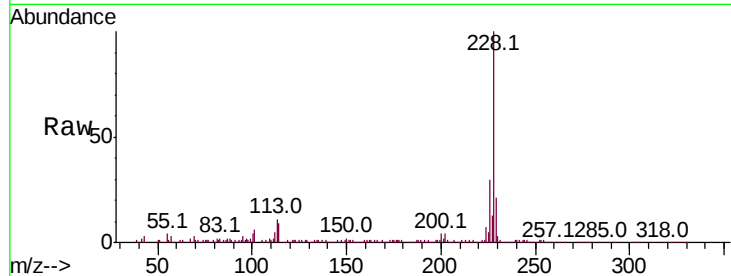
ClientSampleId :

DOCUMENTATION-31RE

Tot Ion:	228	Resp:	149780
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.7	37.1
229	21.2	15.9	23.9

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#86

Indeno(1,2,3-cd)pyrene

Concen: 7.552 ng

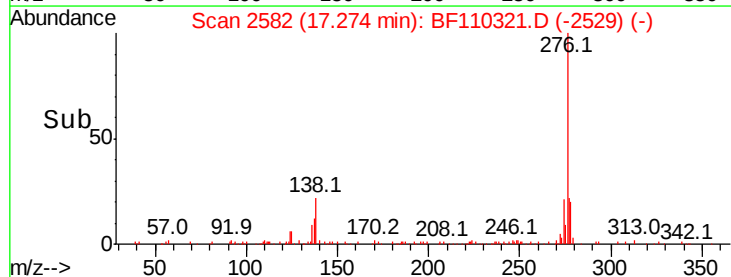
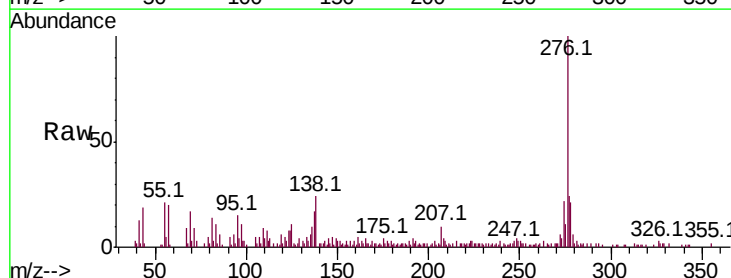
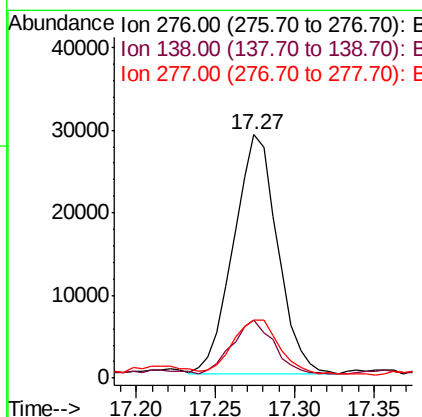
RT: 17.27 min Scan# 2582

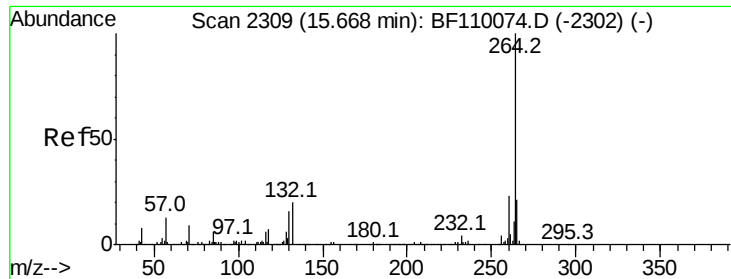
Delta R.T. 0.01 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

Tgt Ion:	276	Resp:	55580
Ion Ratio	Lower	Upper	
276	100		
138	21.8	18.5	27.7
277	24.6	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

Delta R.T. 0.01 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

Instrument :

BNA_F

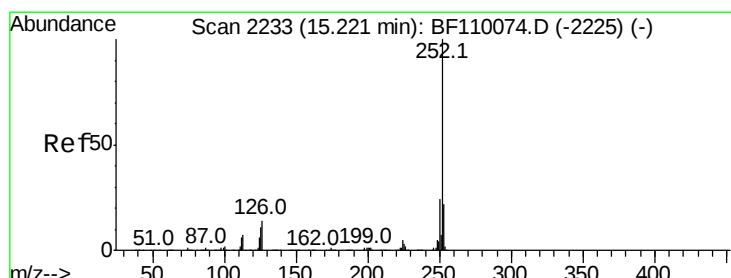
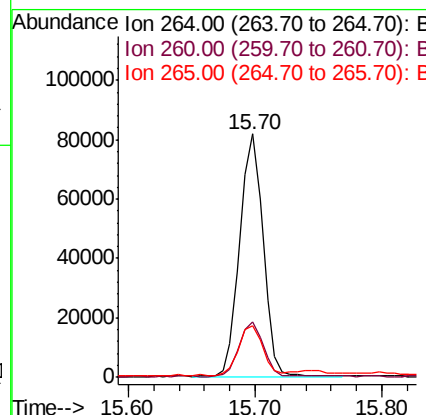
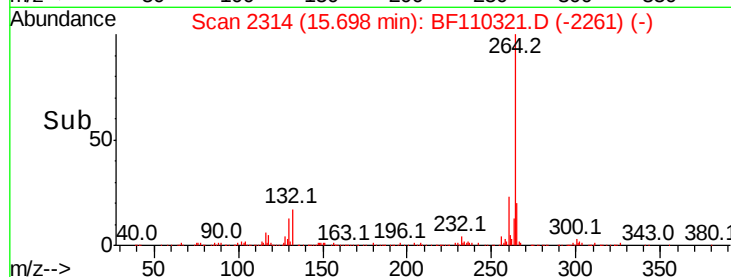
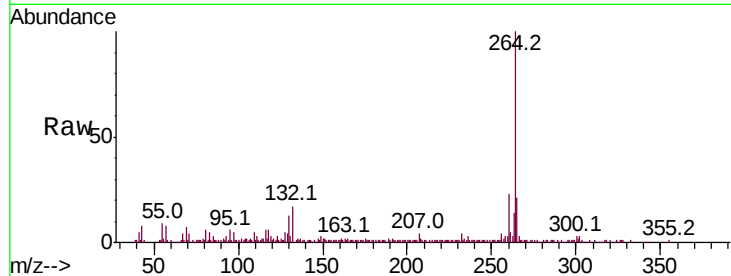
ClientSampleId :

DOCUMENTATION-31RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.2	16.7	25.1

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#88

Benzo(b)fluoranthene

Concen: 23.320 ng m

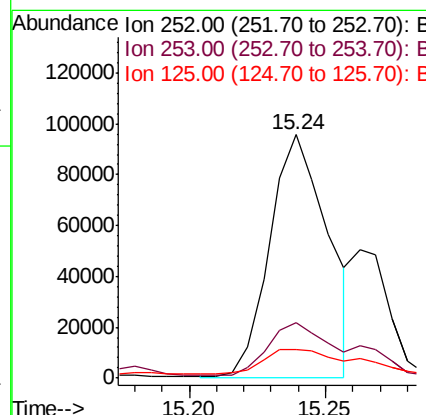
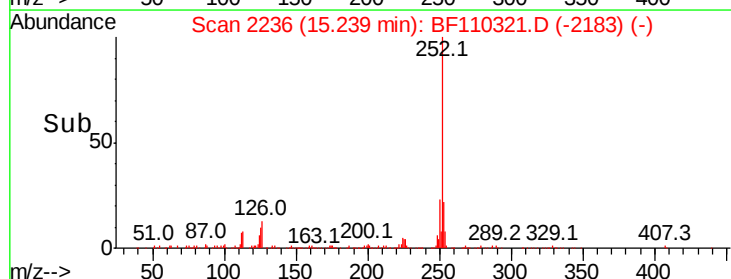
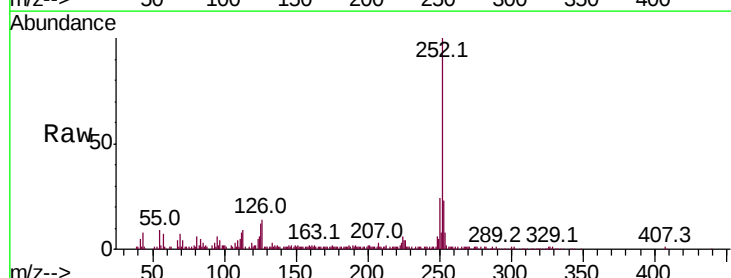
RT: 15.24 min Scan# 2236

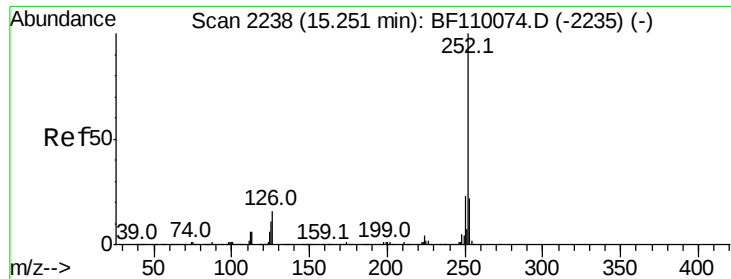
Delta R.T. 0.01 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	11.9	8.2	12.4





#89

Benzo(k)fluoranthene

Concen: 7.864 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.00 min

Lab File: BF110321.D

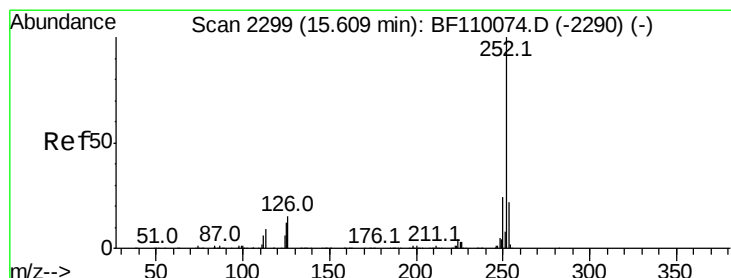
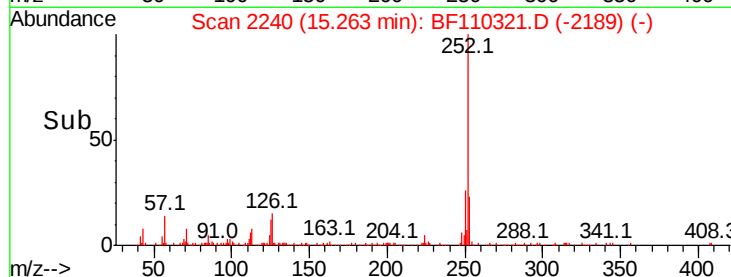
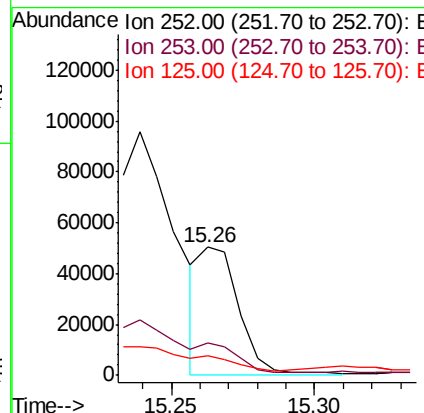
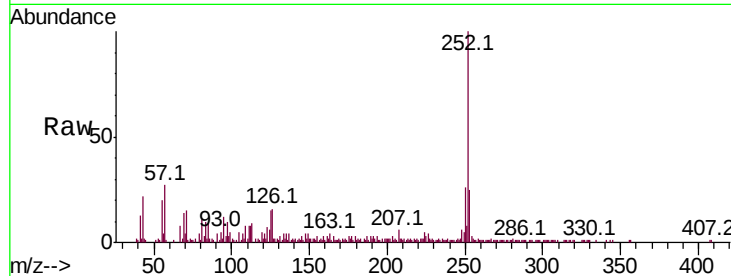
Acq: 30 Oct 2018 23:27

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-31RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.2	25.8
125	15.4	7.4	11.0

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#90

Benzo(a)pyrene

Concen: 16.183 ng

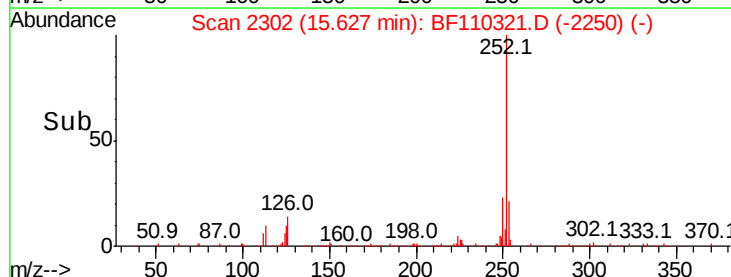
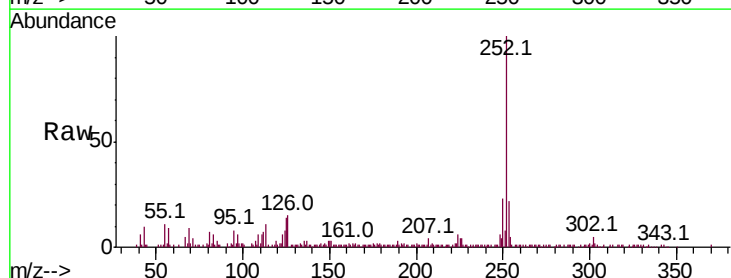
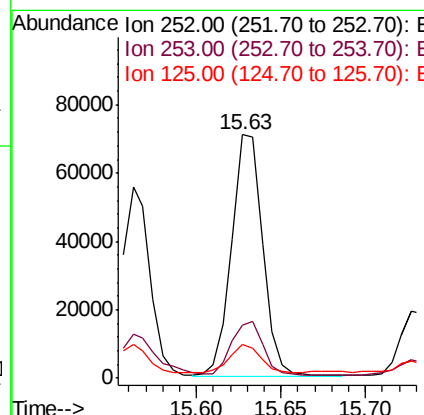
RT: 15.63 min Scan# 2302

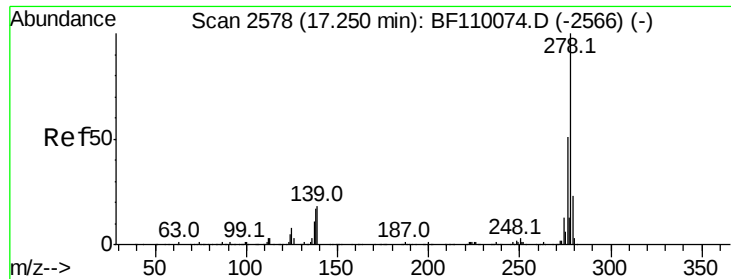
Delta R.T. 0.01 min

Lab File: BF110321.D

Acq: 30 Oct 2018 23:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.4
125	13.9	9.0	13.6





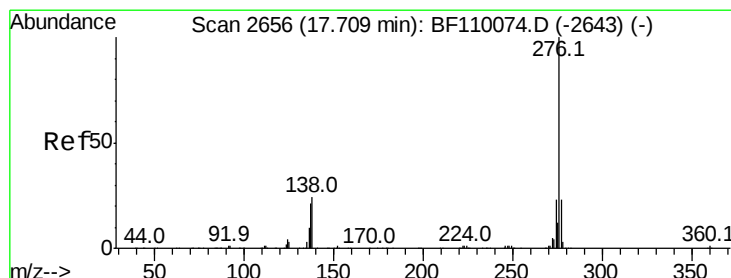
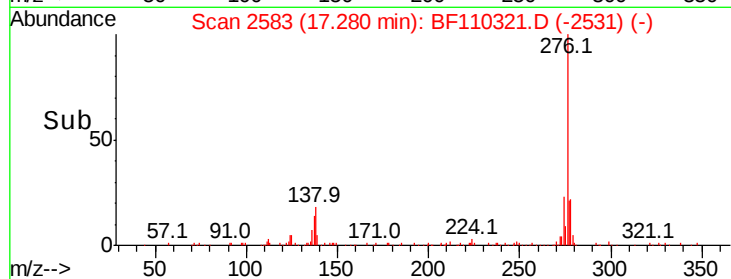
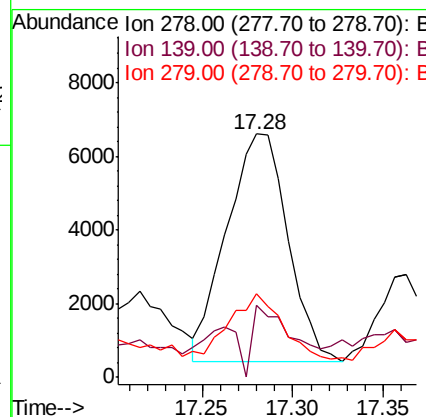
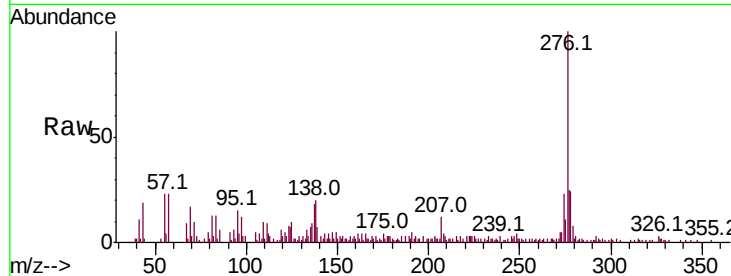
#91
Dibenzo(a,h)anthracene
Concen: 2.972 ng
RT: 17.28 min Scan# 2583
Delta R.T. 0.01 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-31RE

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.8	12.7	19.1#
279	34.2	19.0	28.4#

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#92
Benzo(g,h,i)perylene
Concen: 11.395 ng
RT: 17.76 min Scan# 2664
Delta R.T. 0.02 min
Lab File: BF110321.D
Acq: 30 Oct 2018 23:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.8	28.2
138	20.3	16.0	24.0

