

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103118\
 Data File : BF110329.D
 Acq On : 31 Oct 2018 13:39
 Operator : JU/SJ
 Sample : J5649-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DL-03A

Manual Integrations
 APPROVED

Sohil
 11/1/2018 10:45:55 AM

Quant Time: Oct 31 14:37:42 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	89388	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	381710	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	186221	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	348795	20.00	ng	0.00
76) Chrysene-d12	14.16	240	201231	20.00	ng	0.00
87) Perylene-d12	15.70	264	180910	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	495412	90.25	ng	0.01
7) Phenol-d6	6.60	99	634164	90.32	ng	0.00
23) Nitrobenzene-d5	7.53	82	398594	61.94	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	159402	86.41	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	726205	61.24	ng	0.00
79) Terphenyl-d14	13.10	244	634317	65.56	ng	0.00
Target Compounds						
10) Phenol	6.60	94	52409	6.983	ng	# 74
37) 2-Methylnaphthalene	8.97	142	28965	2.488	ng	98
38) 1-Methylnaphthalene	9.07	142	24590	2.186	ng	# 98
50) Dimethylphthalate	9.72	163	133136	9.685	ng	97
71) Phenanthrene	11.53	178	50398	2.761	ng	99
75) Fluoranthene	12.73	202	58258	3.145	ng	97
78) Pyrene	12.96	202	52848	3.663	ng	98
81) Benzo(a)anthracene	14.15	228	35577m	2.981	ng	
83) Chrysene	14.19	228	41142m	3.630	ng	
88) Benzo(b)fluoranthene	15.24	252	52430m	5.019	ng	
90) Benzo(a)pyrene	15.63	252	22178	2.307	ng	97

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



#1

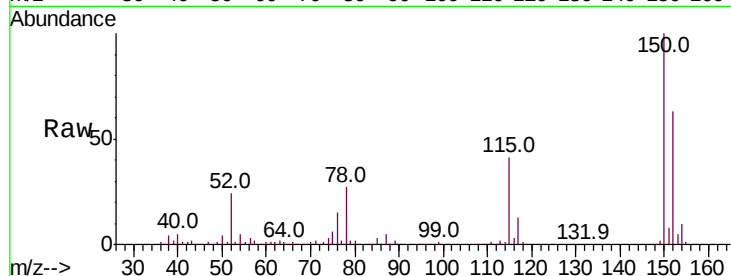
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Instrument :
BNA_F
ClientSampled :
DL-03A

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	122.7	184.1
115	65.5	49.1	73.7

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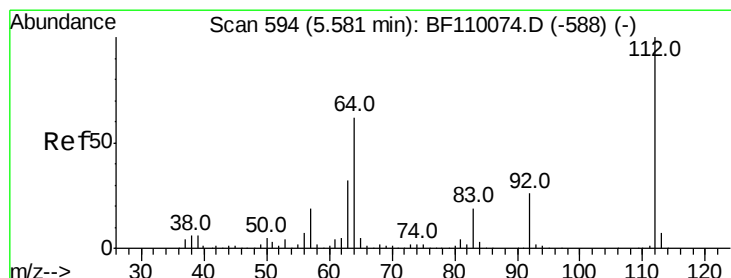
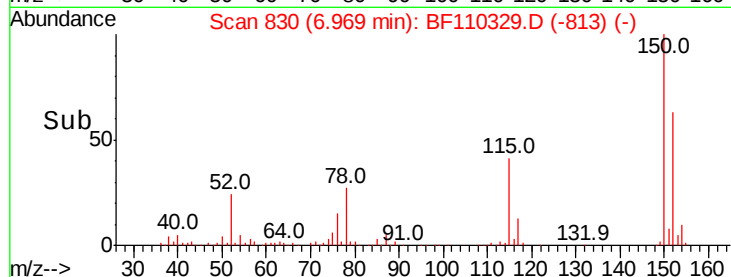
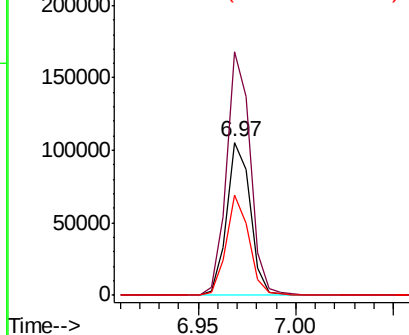


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

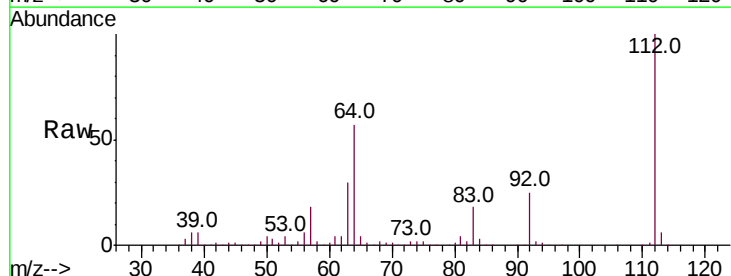
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.253 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	44.1	66.1
63	29.9	23.7	35.5

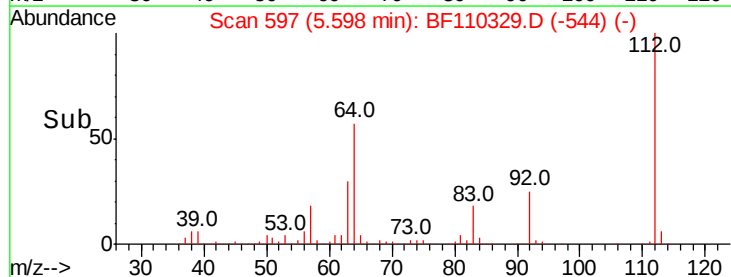
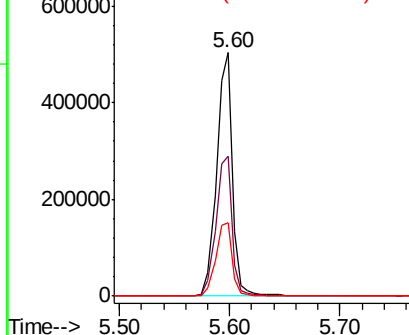


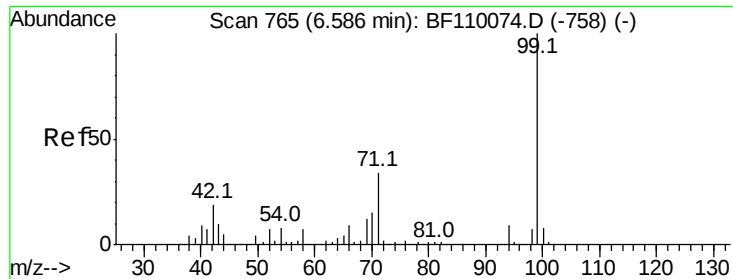
Abundance

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: 90.323 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

Instrument :

BNA_F

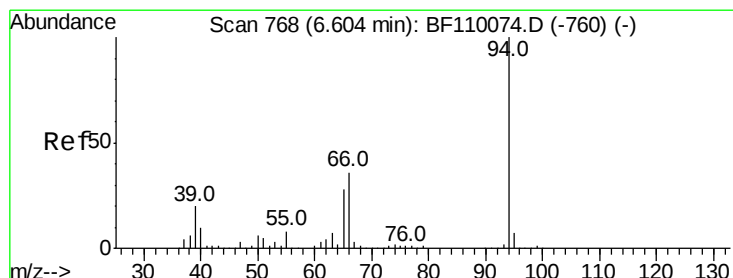
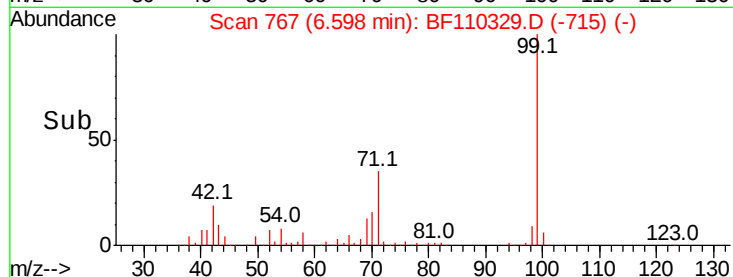
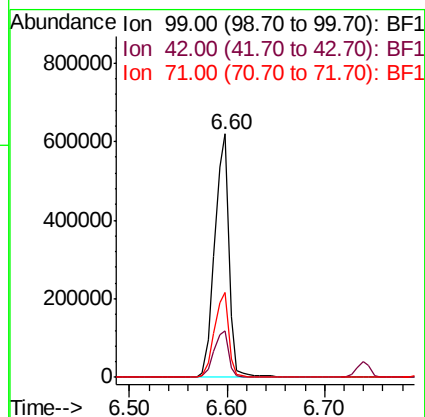
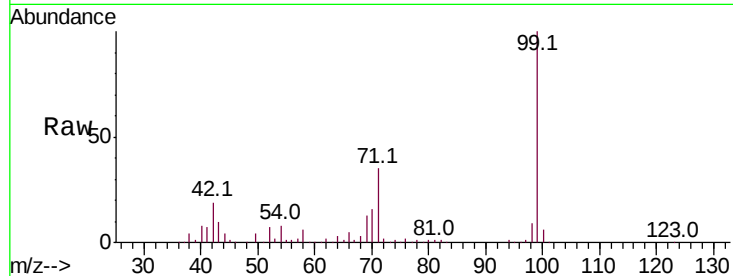
ClientSampled :

DL-03A

Tot Ion:	99	Resp:	634164
Ion Ratio	Lower	Upper	
99	100		
42	19.3	15.8	23.6
71	34.7	28.0	42.0

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#10

Phenol

Concen: 6.983 ng

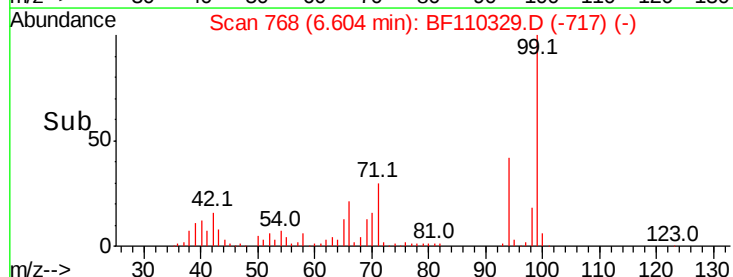
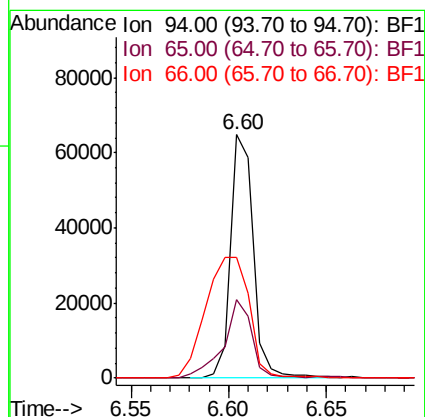
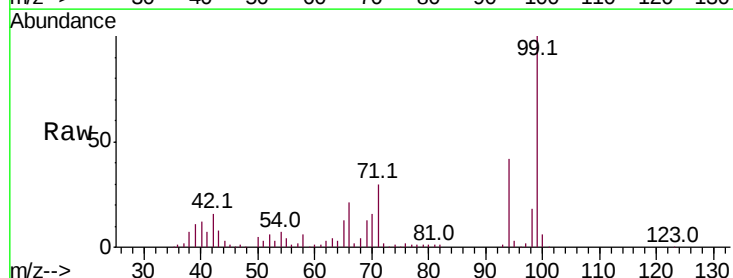
RT: 6.60 min Scan# 768

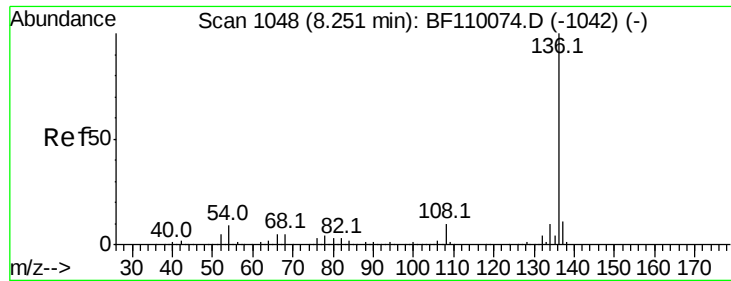
Delta R.T. -0.00 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

Tgt Ion:	94	Resp:	52409
Ion Ratio	Lower	Upper	
94	100		
65	32.1	25.3	65.3
66	49.7	54.5	94.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

Instrument :

BNA_F

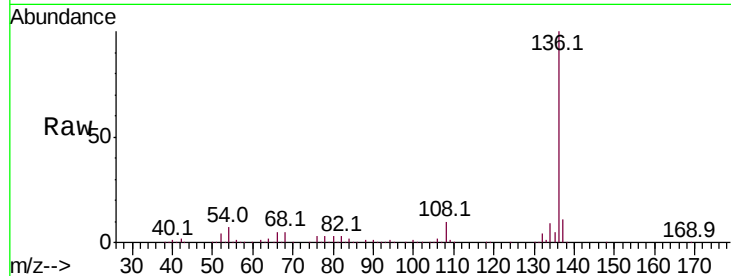
ClientSampleId :

DL-03A

Tot Ion	Ratio	Resp	Lower	Upper
136	100	381710		
137	10.6		8.8	13.2
54	6.9		5.4	8.2
68	4.6		4.2	6.2

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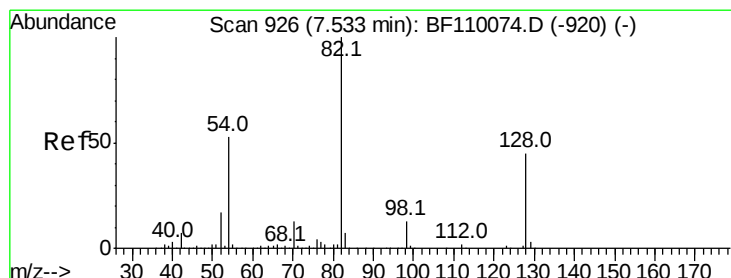
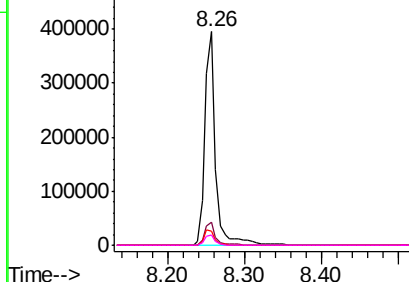
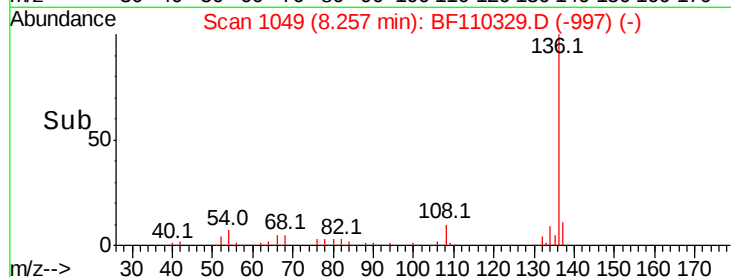
Abundance

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: 61.937 ng

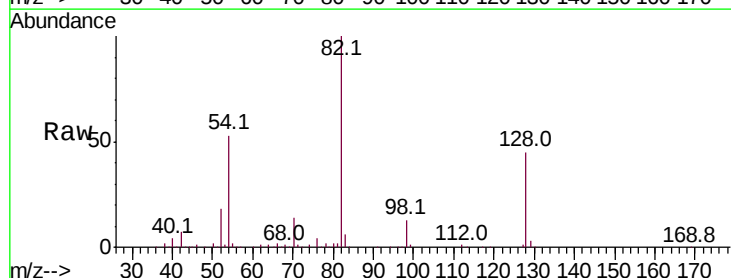
RT: 7.53 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	398594		
128	44.7		34.2	51.2
54	53.4		38.6	58.0

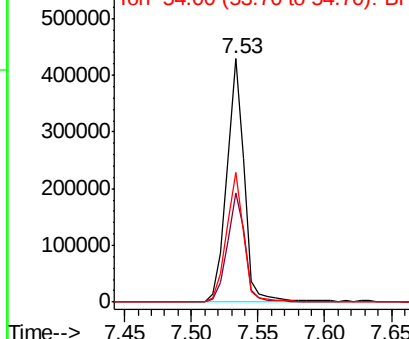
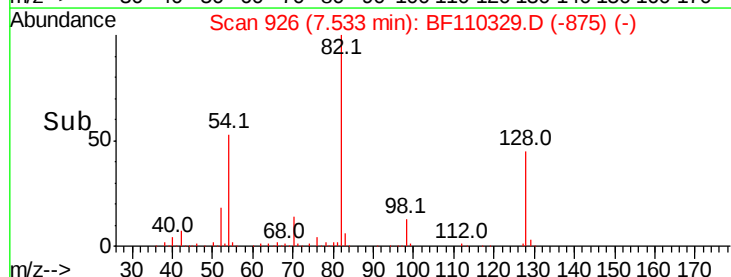


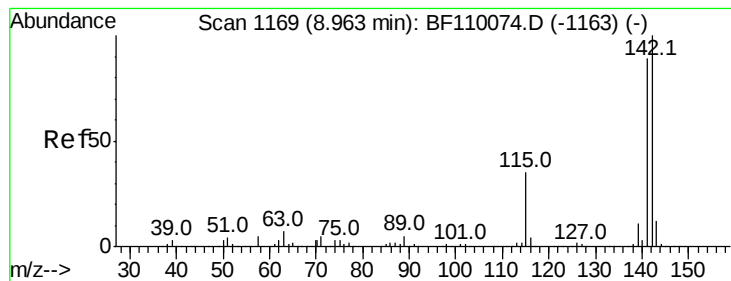
Abundance

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





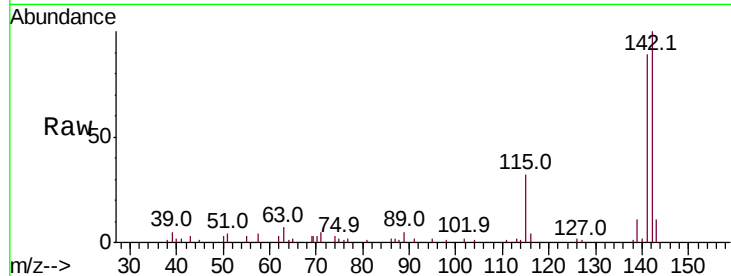
#37
 2-Methylnaphthalene
 Concen: 2.488 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: BF110329.D
 Acq: 31 Oct 2018 13:39

Instrument :
 BNA_F
 ClientSampleId :
 DL-03A

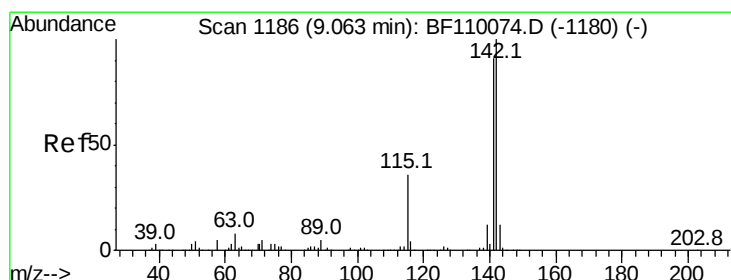
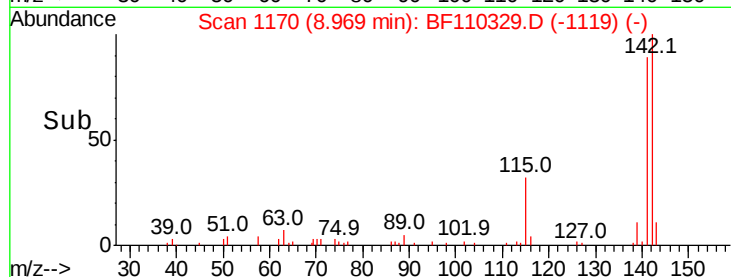
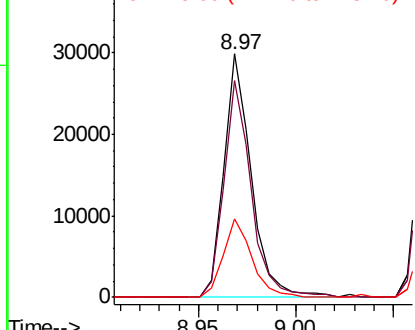
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.4	107.2
115	32.1	28.7	43.1

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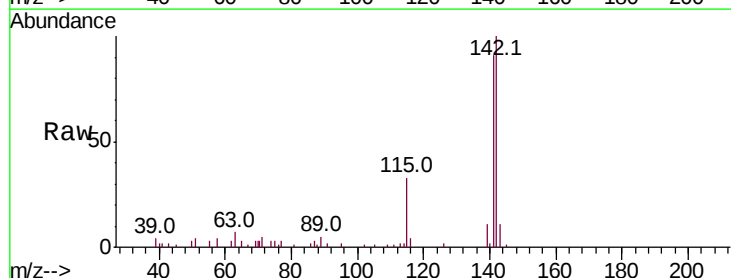


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

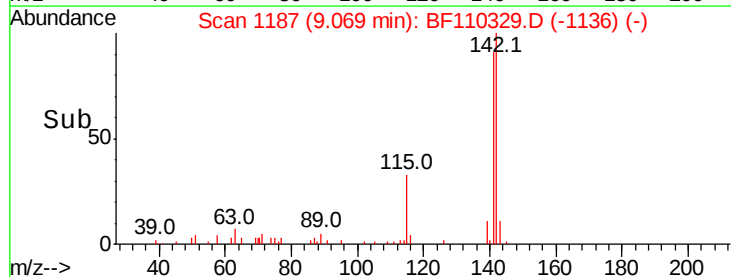
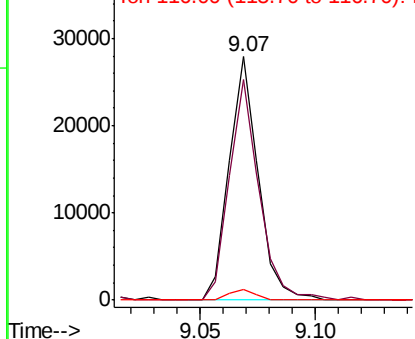


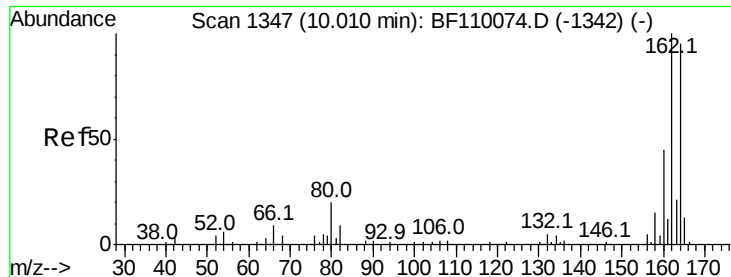
#38
 1-Methylnaphthalene
 Concen: 2.186 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BF110329.D
 Acq: 31 Oct 2018 13:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.6	74.2	111.4
116	4.1	2.6	4.0#



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E





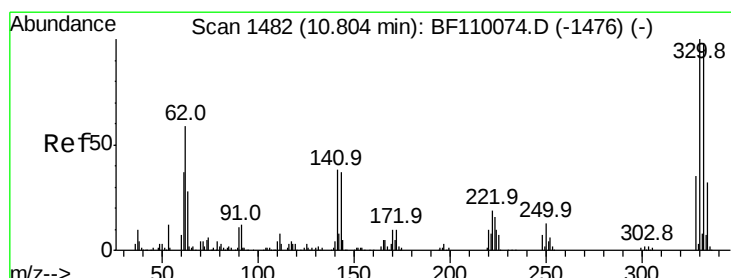
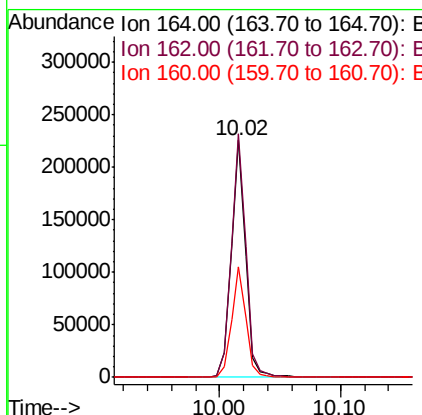
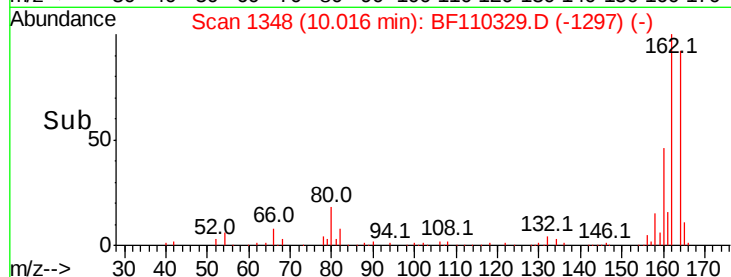
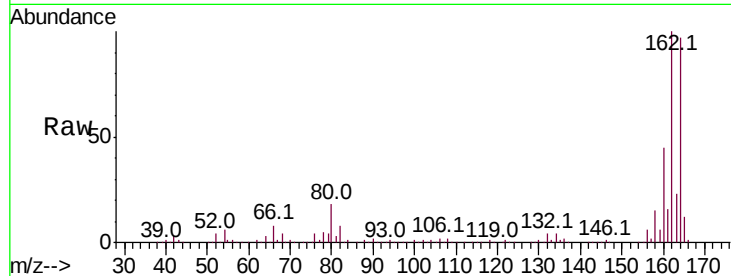
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Instrument :
BNA_F
ClientSampleId :
DL-03A

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	83.0	124.6
160	46.6	37.0	55.6

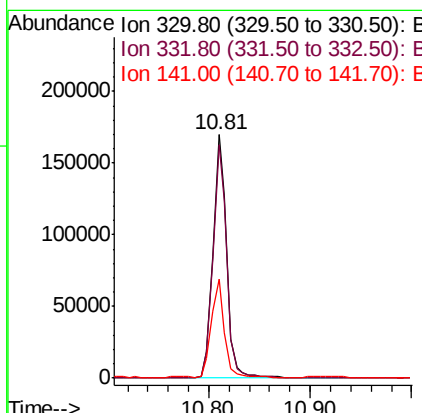
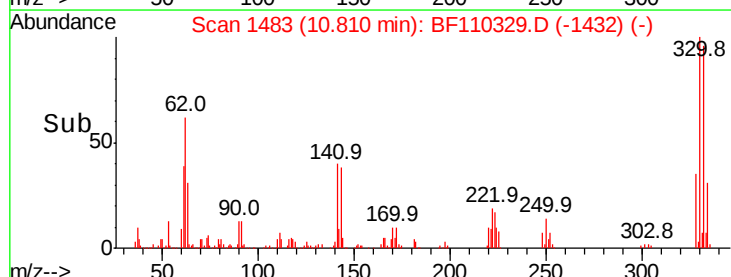
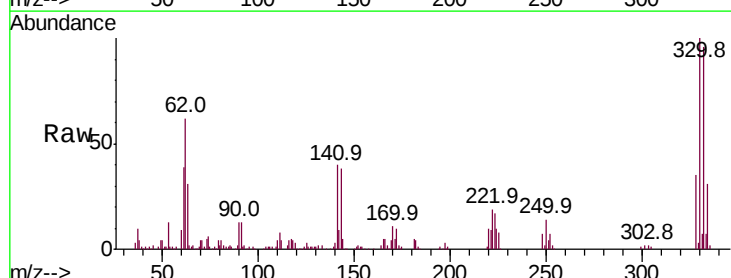
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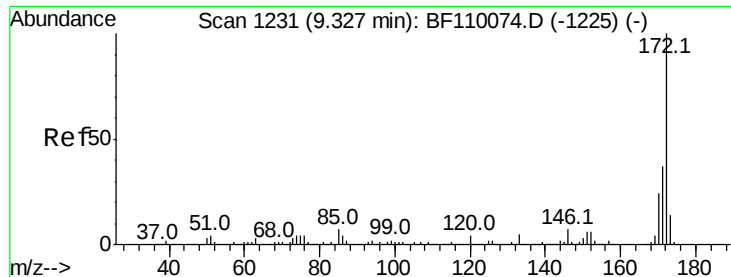
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#42
2,4,6-Tribromophenol
Concen: 86.413 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.1	115.7
141	38.5	27.0	40.4





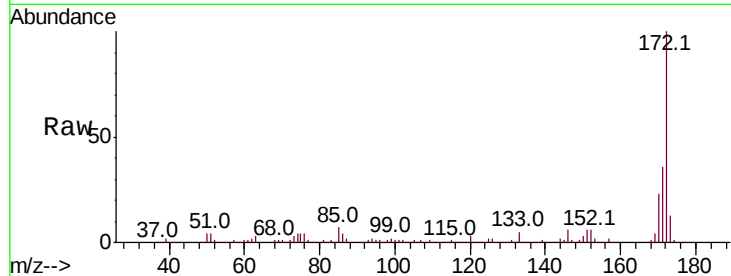
#45
2-Fluorobiphenyl
Concen: 61.235 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.00 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Instrument :
BNA_F
ClientSampled :
DL-03A

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.2	19.7	29.5

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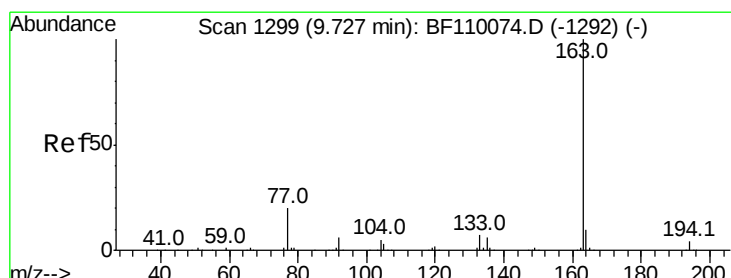
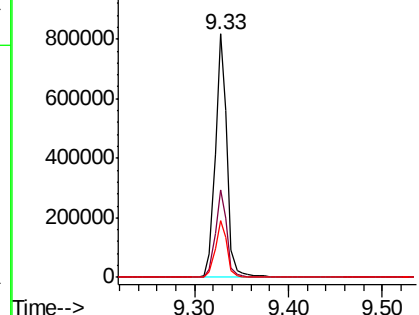
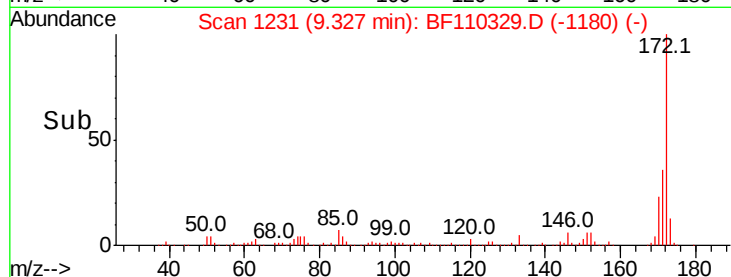


Abundance

Ion 172.00 (171.70 to 172.70): E

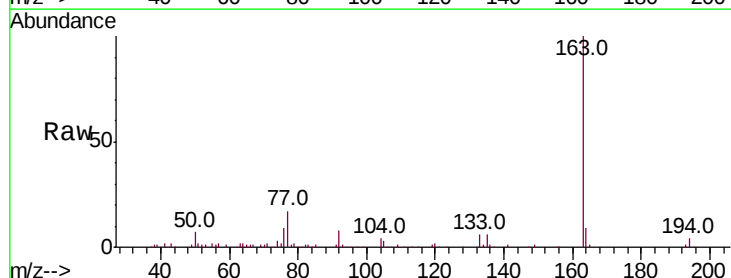
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 9.685 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	8.8	8.1	12.1

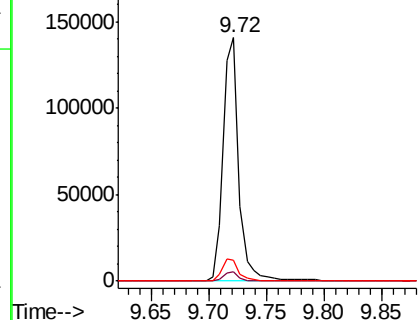
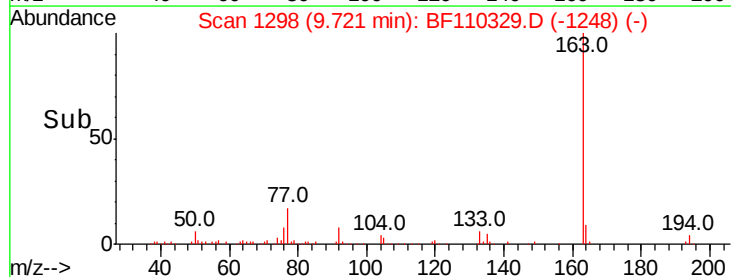


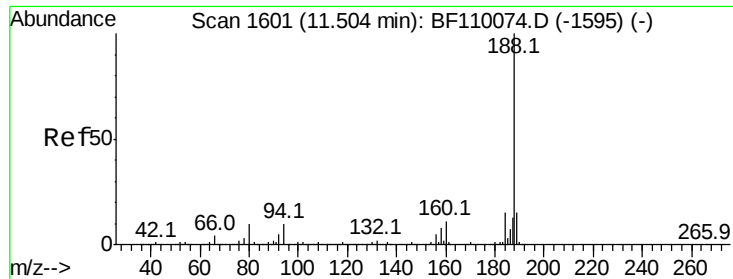
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.00 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

Instrument :

BNA_F

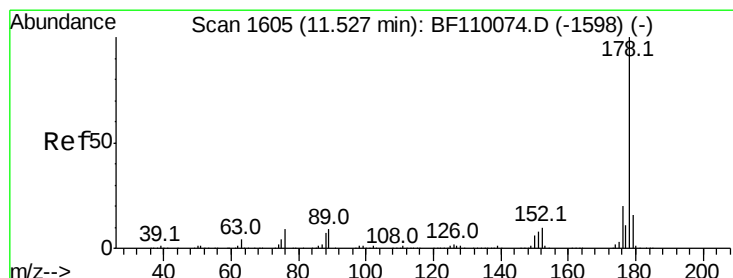
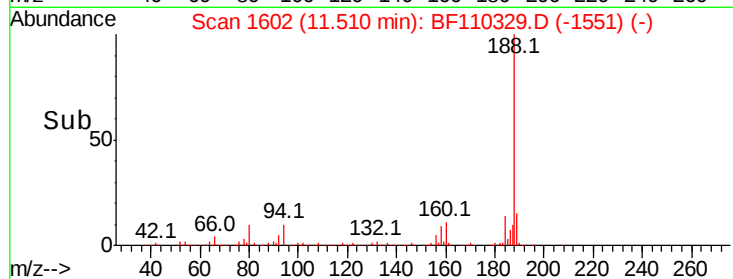
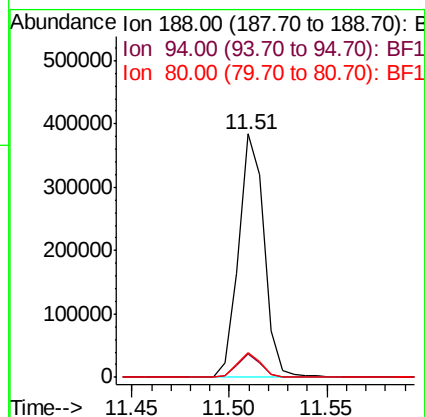
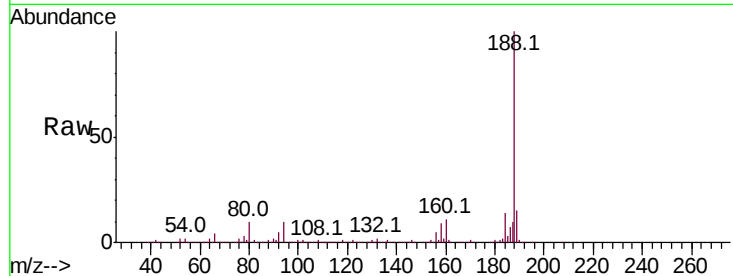
ClientSampled :

DL-03A

Tot Ion:188	Resp:	348795
Ion Ratio	Lower	Upper
188 100		
94 9.5	7.2	10.8
80 10.2	7.9	11.9

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#71

Phenanthrene

Concen: 2.761 ng

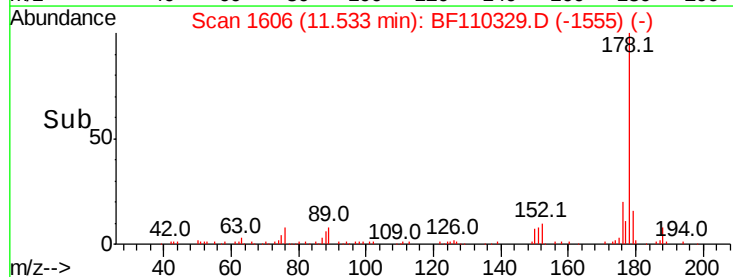
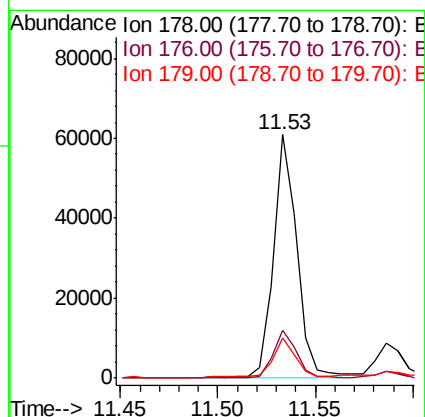
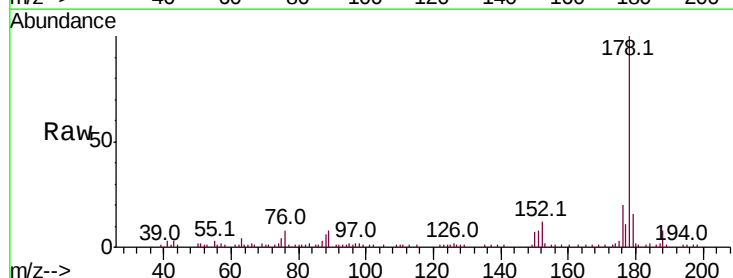
RT: 11.53 min Scan# 1606

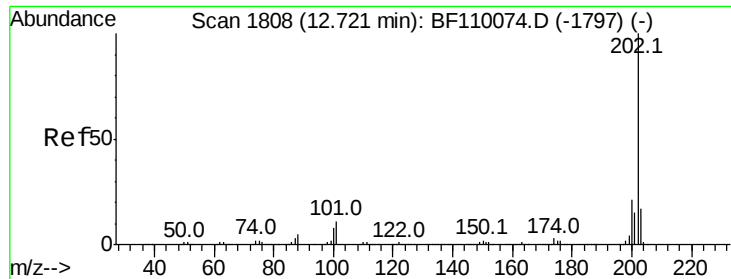
Delta R.T. -0.00 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

Tgt Ion:178	Resp:	50398
Ion Ratio	Lower	Upper
178 100		
176 19.6	15.5	23.3
179 16.4	12.5	18.7





#75

Fluoranthene

Concen: 3.145 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.01 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

Instrument :

BNA_F

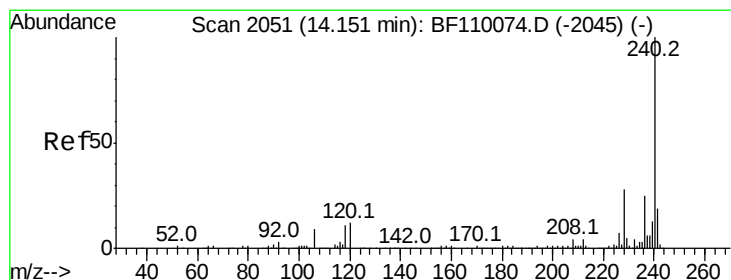
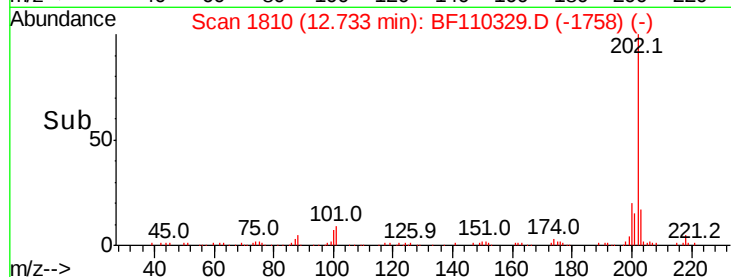
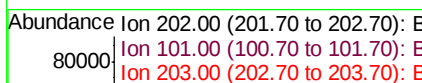
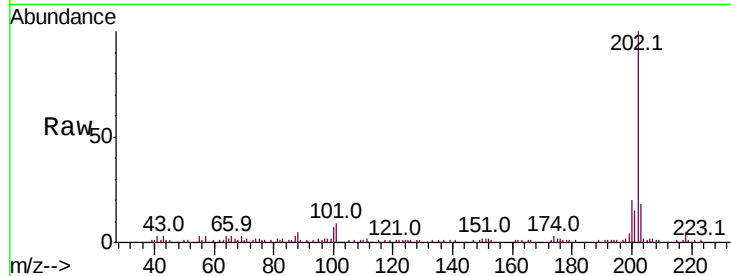
ClientSampleId :

DL-03A

Tot Ion	Ratio	Resp	Lower	Upper
202	100	58258		
101	8.8	0.0	31.4	
203	17.9	0.0	37.7	

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#76

Chrysene-d12

Concen: 20.000 ng

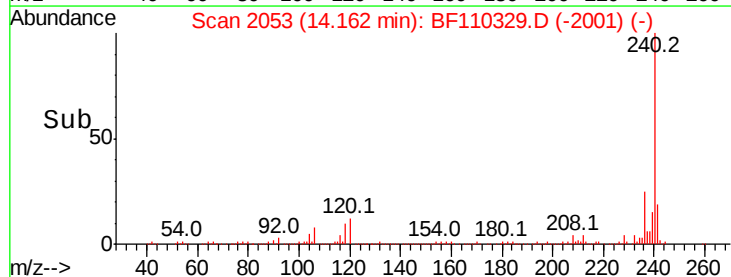
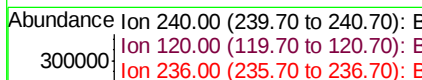
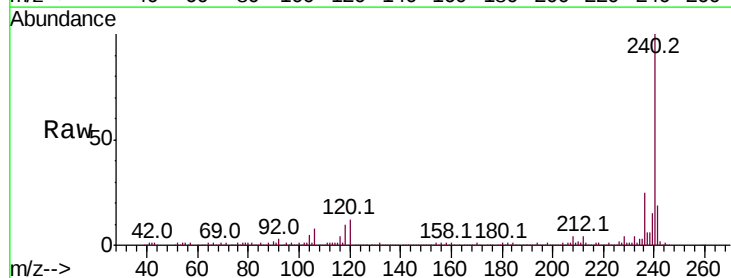
RT: 14.16 min Scan# 2053

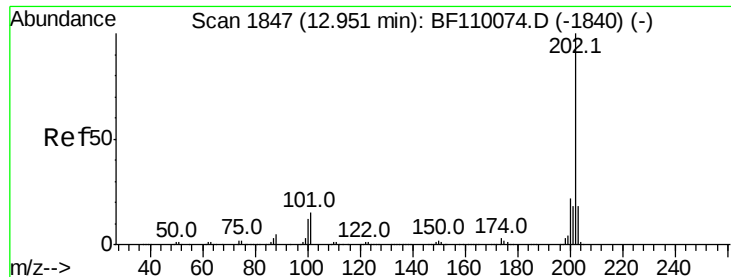
Delta R.T. 0.01 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	201231		
120	11.8	8.3	12.5	
236	25.2	21.2	31.8	





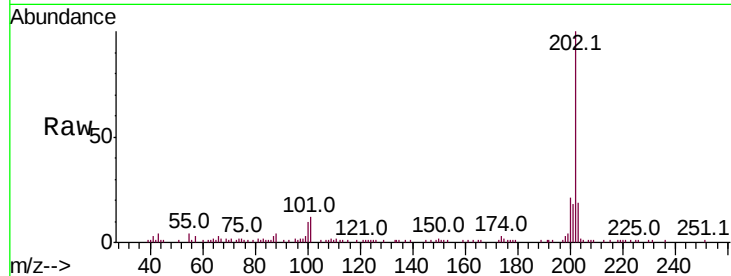
#78
Pvrene
Concen: 3.663 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Instrument :
BNA_F
ClientSampleId :
DL-03A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.8	26.6
203	18.6	14.2	21.4

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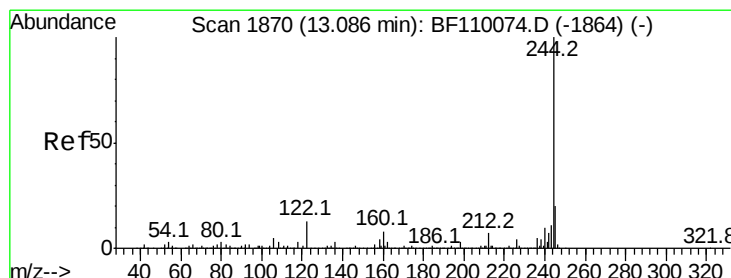
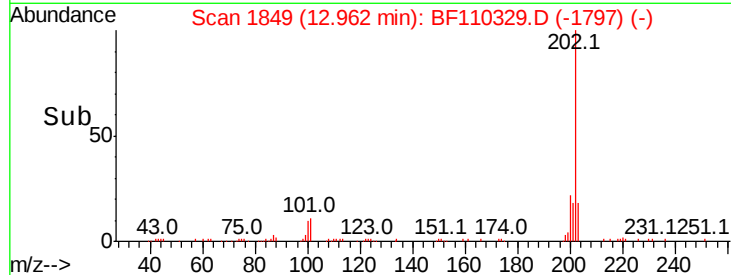
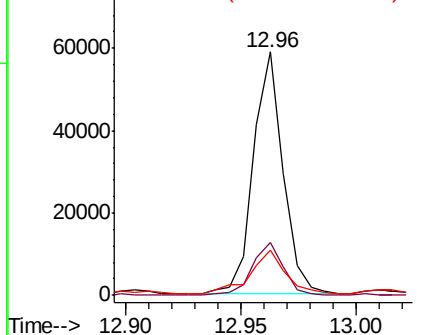


Abundance

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



#79
Terphenyl-d14
Concen: 65.556 ng
RT: 13.10 min Scan# 1872
Delta R.T. 0.01 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

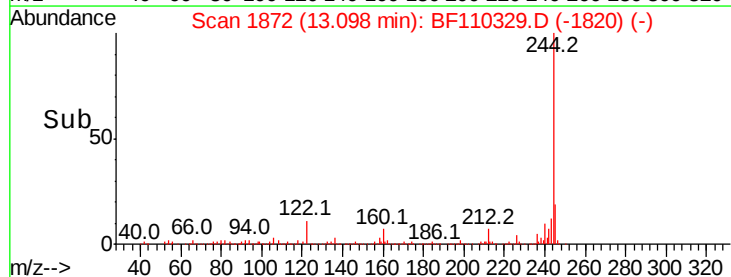
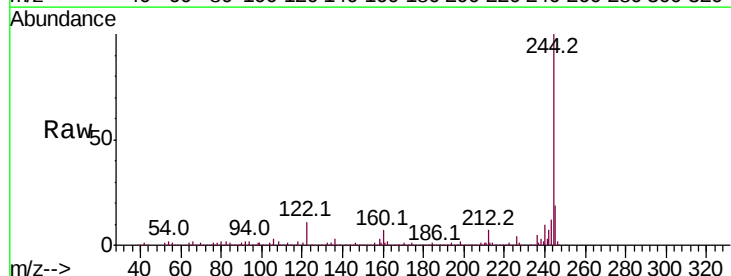
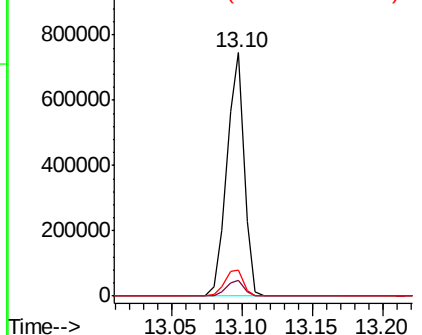
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	10.6	8.7	13.1

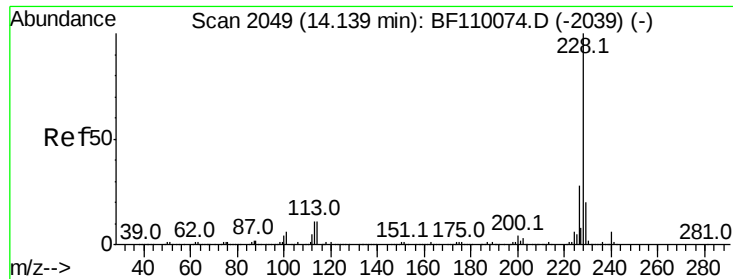
Abundance

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





#81

Benzo(a)anthracene

Concen: 2.981 ng m

RT: 14.15 min Scan# 2051

Delta R.T. 0.01 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

Instrument :

BNA_F

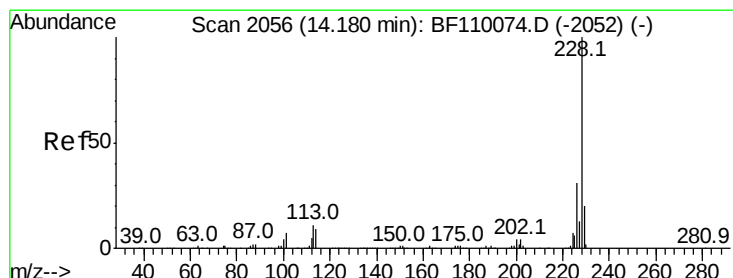
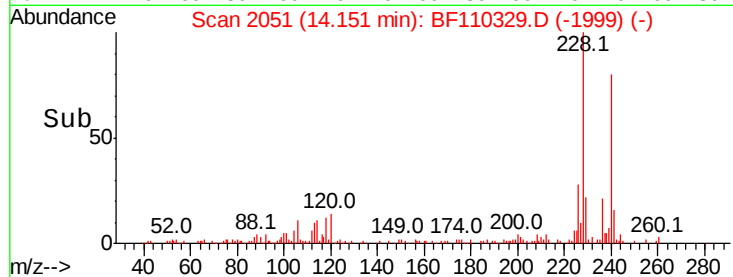
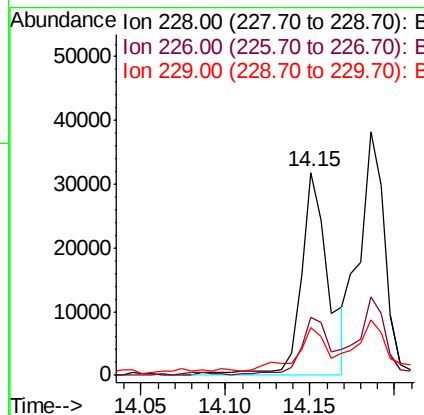
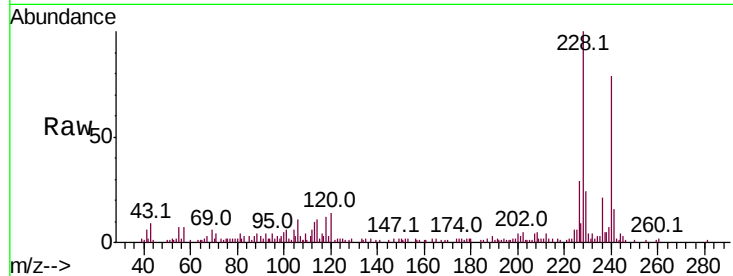
ClientSampled :

DL-03A

Tot Ion:	228	Resp:	35577
Ion Ratio	Lower	Upper	
228	100		
226	28.7	22.1	33.1
229	23.5	15.6	23.4#

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#83

Chrysene

Concen: 3.630 ng m

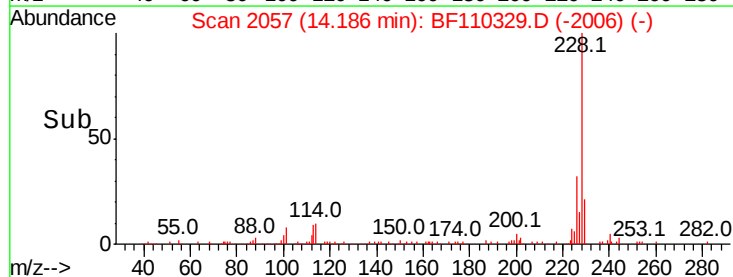
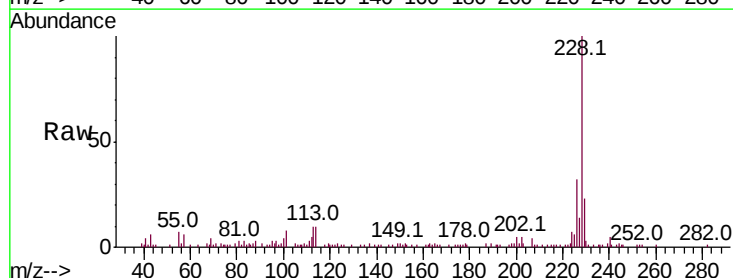
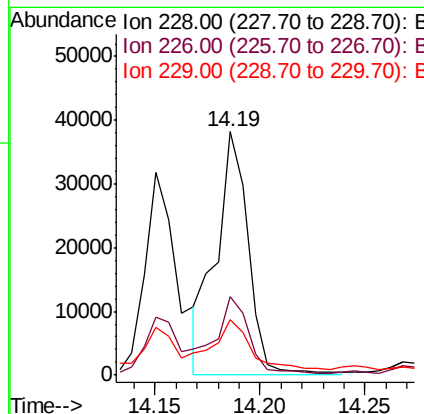
RT: 14.19 min Scan# 2057

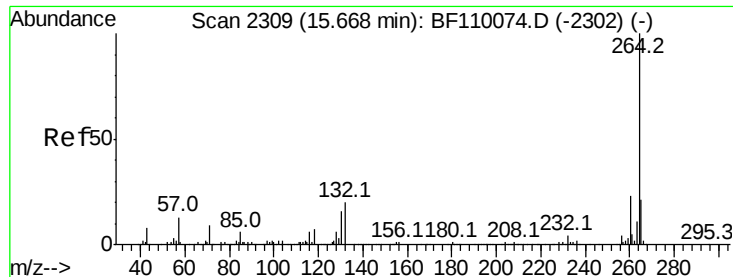
Delta R.T. -0.00 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

Tgt Ion:	228	Resp:	41142
Ion Ratio	Lower	Upper	
228	100		
226	32.2	24.7	37.1
229	22.7	15.9	23.9





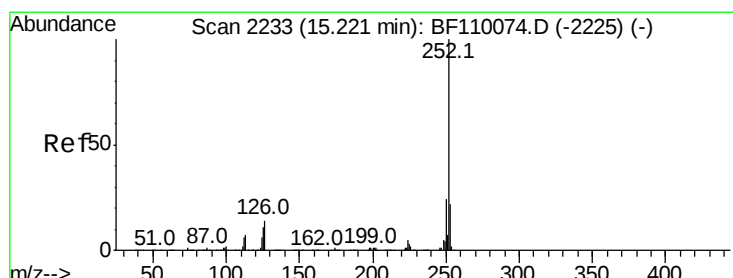
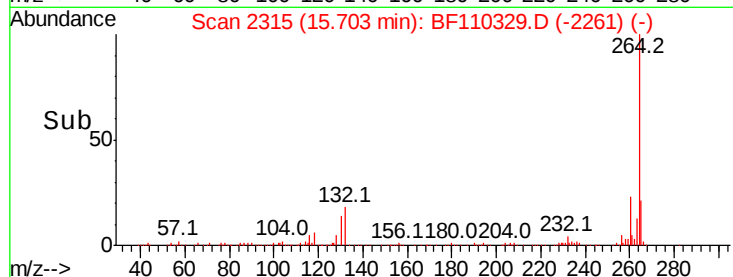
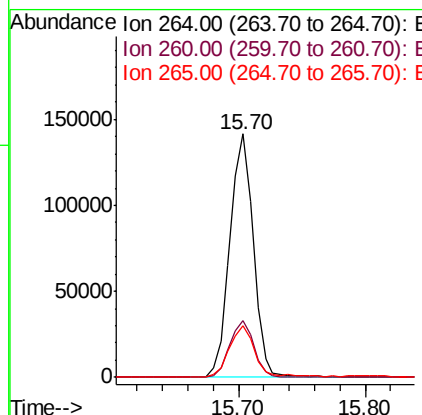
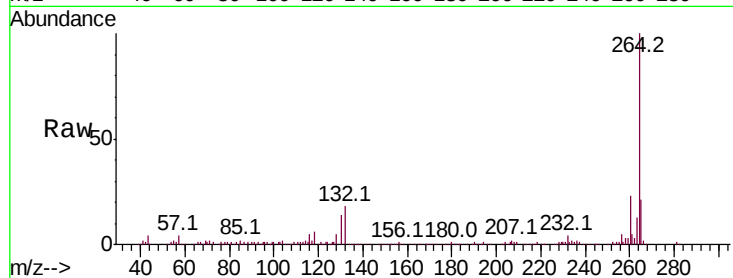
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Instrument :
BNA_F
ClientSampleId :
DL-03A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.2	16.7	25.1

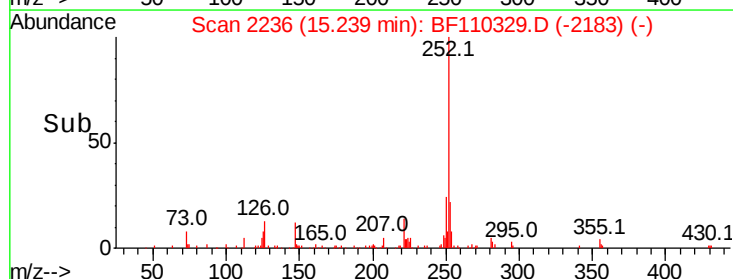
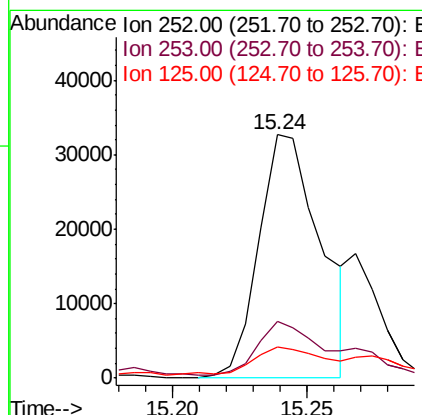
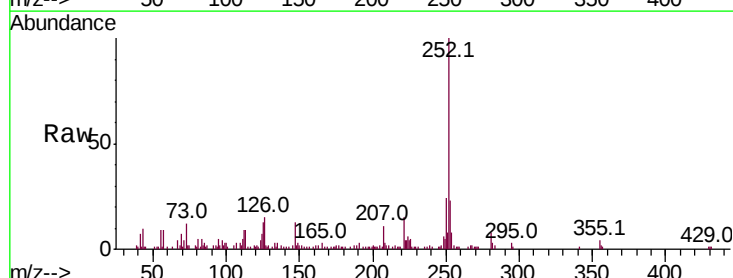
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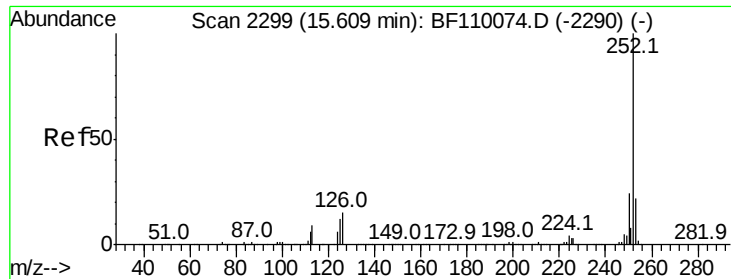
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#88
Benzo(b)fluoranthene
Concen: 5.019 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF110329.D
Acq: 31 Oct 2018 13:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	12.9	8.2	12.4#





#90

Benzo(a)pyrene

Concen: 2.307 ng

RT: 15.63 min Scan# 2303

Delta R.T. 0.01 min

Lab File: BF110329.D

Acq: 31 Oct 2018 13:39

Instrument :

BNA_F

ClientSampleId :

DL-03A

Tot Ion:	252	Resp:	22178
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.2	27.4
125	13.3	9.0	13.6

Manual Integrations
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