

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110168.D
 Acq On : 25 Oct 2018 18:50
 Operator : JU/SJ
 Sample : J5636-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HP-GRID-C

Manual Integrations
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 10/26/2018 3:49:20 PM

Quant Time: Oct 26 04:27:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	174632	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	710644	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	338924	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	607542	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	331879	20.00	ng	-0.02
87) Perylene-d12	15.67	264	295948	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1298818	121.12	ng	0.00
7) Phenol-d6	6.59	99	1676400	122.22	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1058008	88.31	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	372081	110.83	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	1658783	76.85	ng	-0.01
79) Terphenyl-d14	13.09	244	1361484	85.32	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	97377	6.641	ng	# 64
31) Naphthalene	8.27	128	102086	3.117	ng	99
50) Dimethylphthalate	9.71	163	173943	6.953	ng	99
52) Acenaphthene	10.04	154	71456	3.326	ng	96
58) Fluorene	10.56	166	46894	2.095	ng	97
71) Phenanthrene	11.52	178	429465	13.510	ng	99
72) Anthracene	11.57	178	138240	4.338	ng	99
75) Fluoranthene	12.72	202	301821	9.355	ng	99
78) Pyrene	12.94	202	369606	15.534	ng	99
81) Benzo(a)anthracene	14.13	228	98504m	5.005	ng	
83) Chrysene	14.17	228	86729	4.640	ng	97
86) Indeno(1,2,3-cd)pyrene	17.22	276	40120	2.587	ng	97
88) Benzo(b)fluoranthene	15.22	252	81582m	4.774	ng	
90) Benzo(a)pyrene	15.60	252	81832	5.204	ng	96
92) Benzo(a,h,i)perylene	17.70	276	41094	3.073	ng	97

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

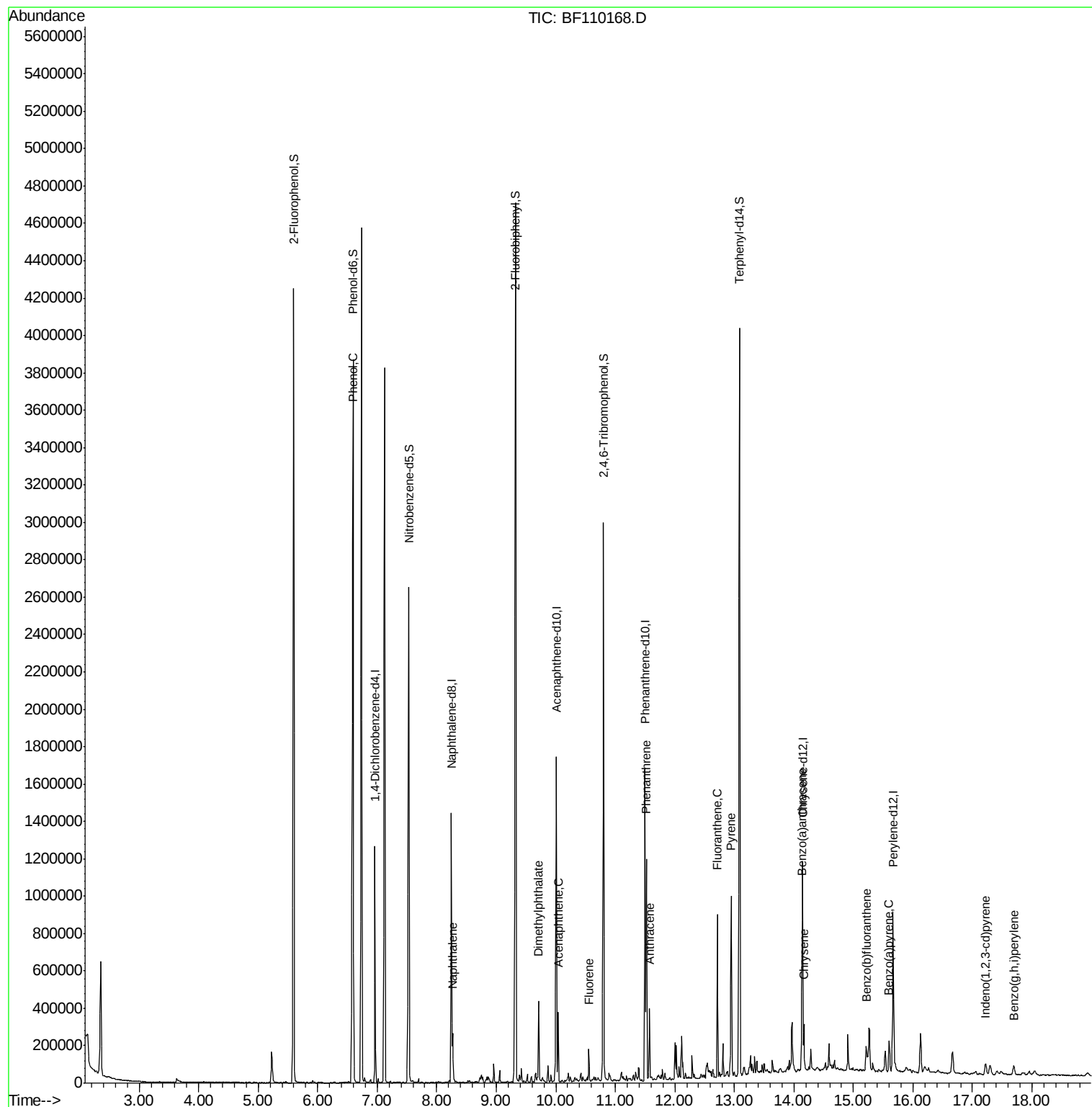
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
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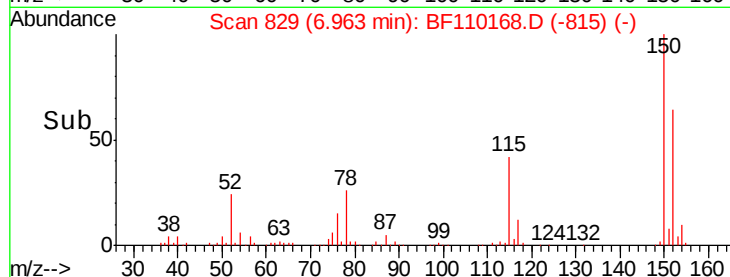
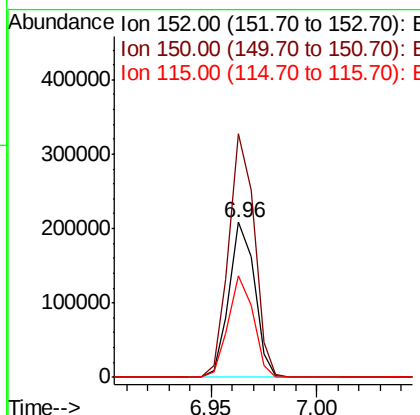
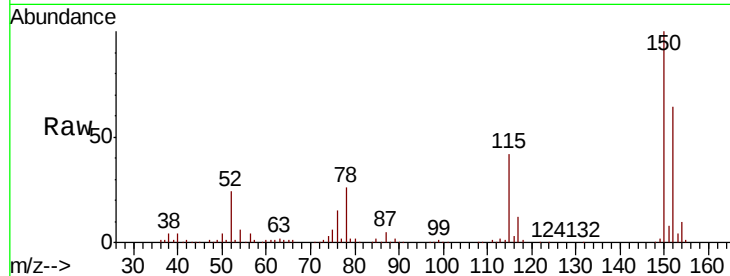
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

Instrument :
BNA_F
ClientSampleId :
HP-GRID-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	122.7	184.1
115	65.4	49.1	73.7

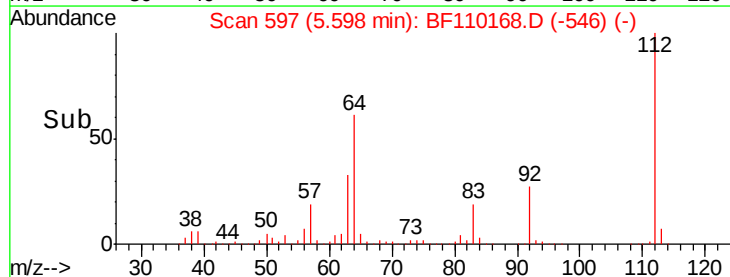
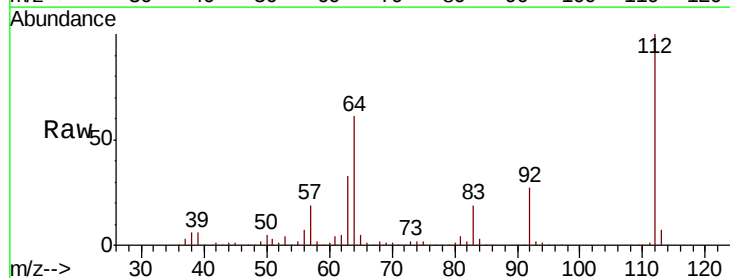
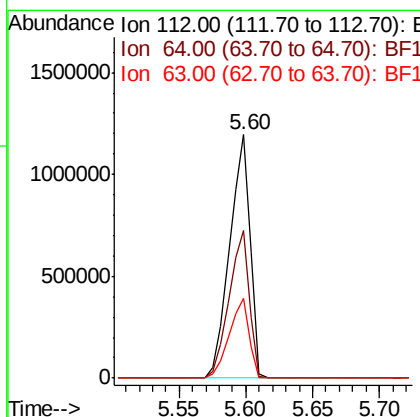
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#5
2-Fluorophenol
Concen: 121.115 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.00 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	44.1	66.1
63	32.7	23.7	35.5





#7

Phenol-d6

Concen: 122.217 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110168.D

Acq: 25 Oct 2018 18:50

Instrument :

BNA_F

ClientSampleId :

HP-GRID-C

Tot Ion: 99 Resp: 1676400

Ion Ratio Lower Upper

99 100

42 20.0 15.8 23.6

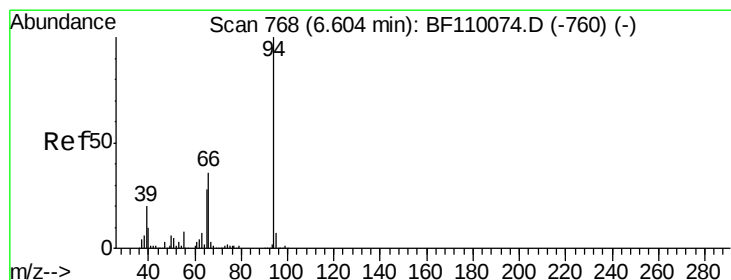
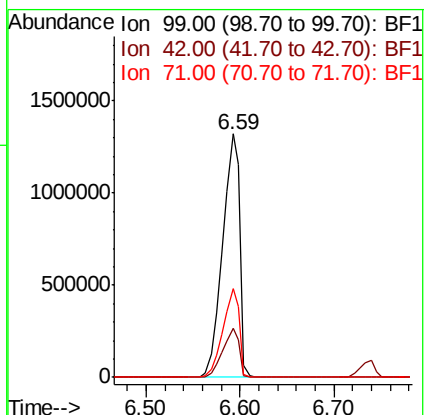
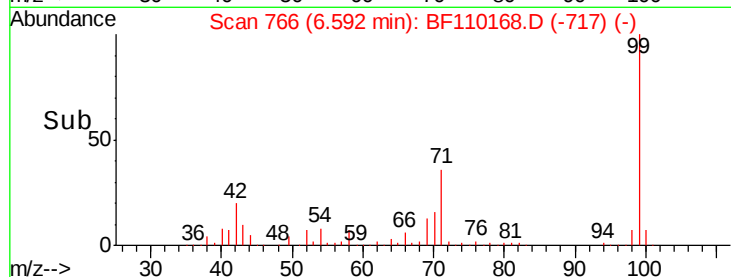
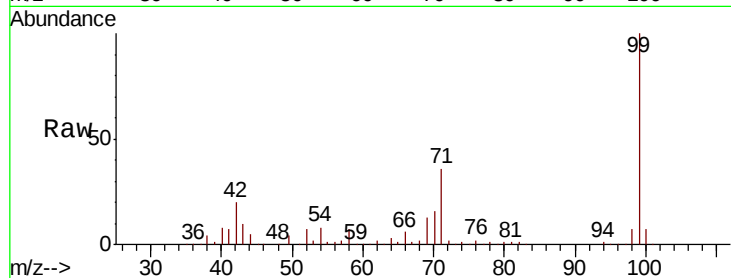
71 36.2 28.0 42.0

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#10

Phenol

Concen: 6.641 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110168.D

Acq: 25 Oct 2018 18:50

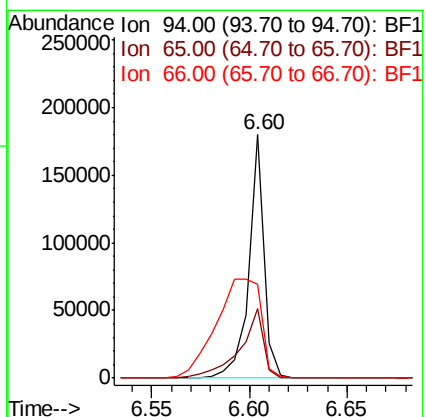
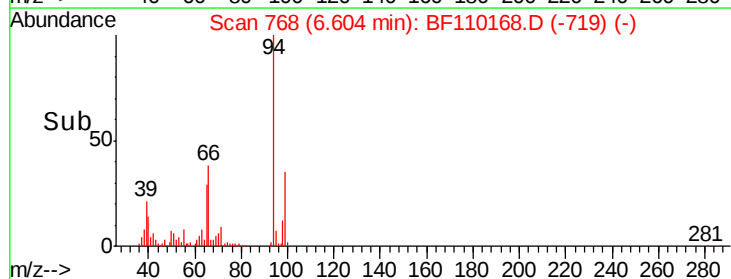
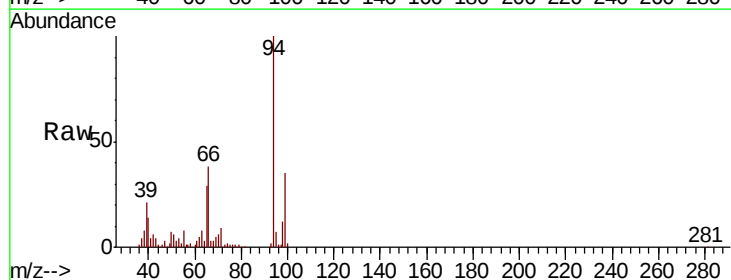
Tgt Ion: 94 Resp: 97377

Ion Ratio Lower Upper

94 100

65 28.6 25.3 65.3

66 38.4 54.5 94.5#





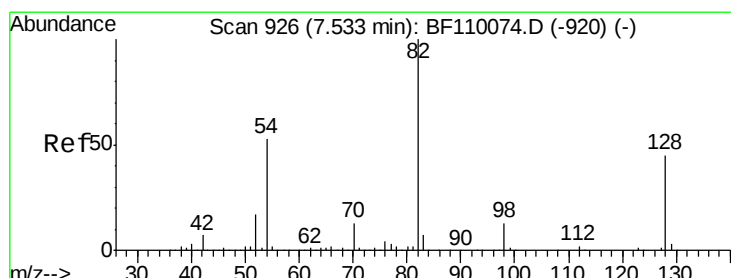
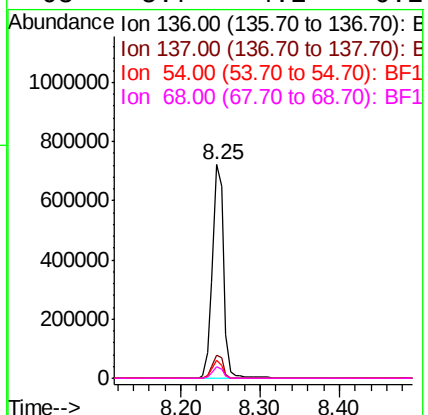
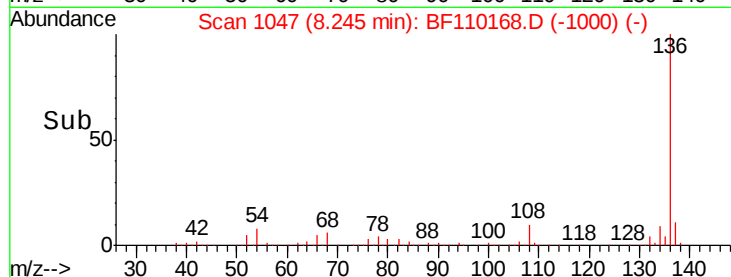
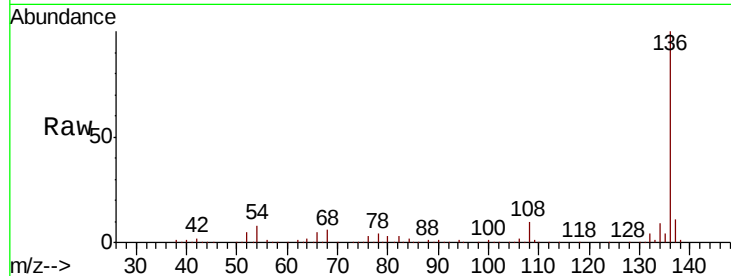
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

Instrument :
BNA_F
ClientSampled :
HP-GRID-C

Tot Ion	Ratio	Resp	Lower	Upper
136	100	710644		
137	11.0		8.8	13.2
54	8.2		5.4	8.2#
68	5.7		4.2	6.2

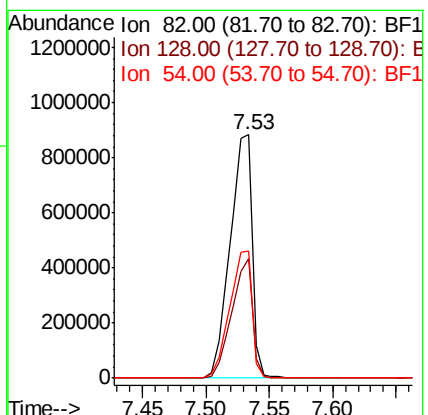
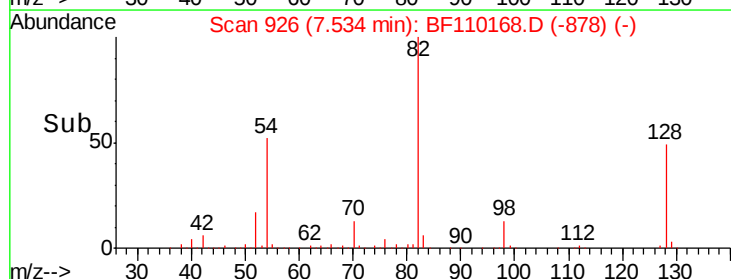
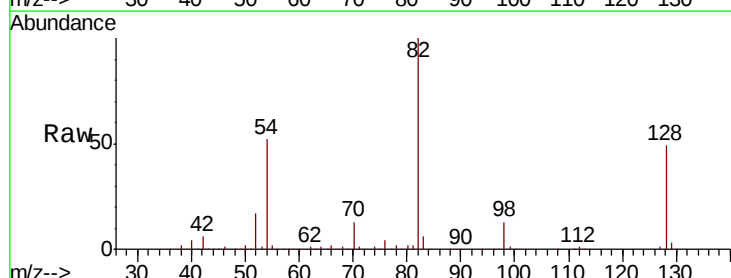
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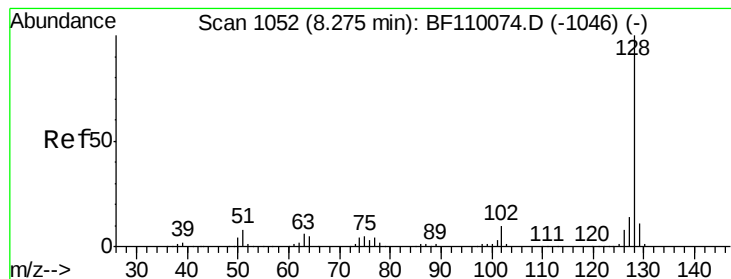
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#23
Nitrobenzene-d5
Concen: 88.306 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1058008		
128	49.2		34.2	51.2
54	52.4		38.6	58.0





#31

Naphthalene

Concen: 3.117 ng

RT: 8.27 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF110168.D

Acq: 25 Oct 2018 18:50

Instrument :

BNA_F

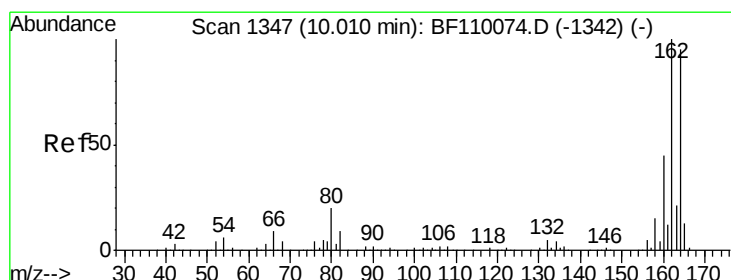
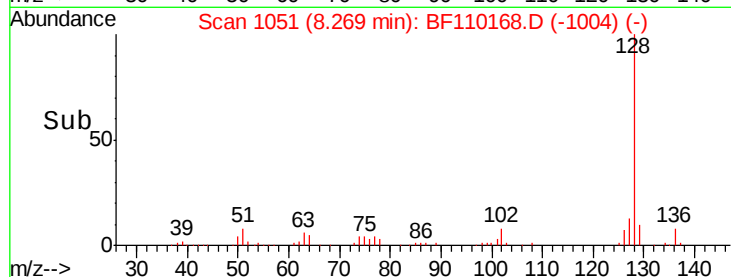
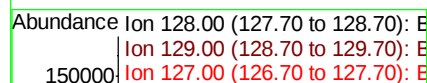
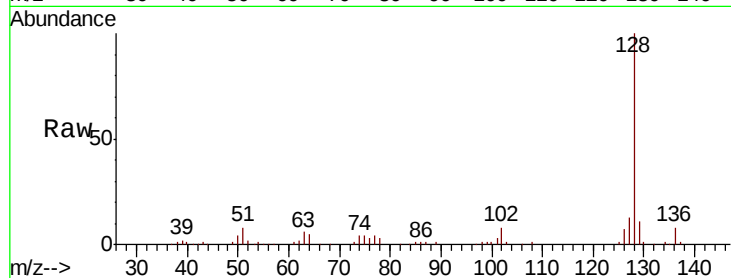
ClientSampleId :

HP-GRID-C

Tot Ion:	128	Resp:	102086
Ion Ratio	Lower	Upper	
128	100		
129	10.6	8.8	13.2
127	13.2	10.8	16.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

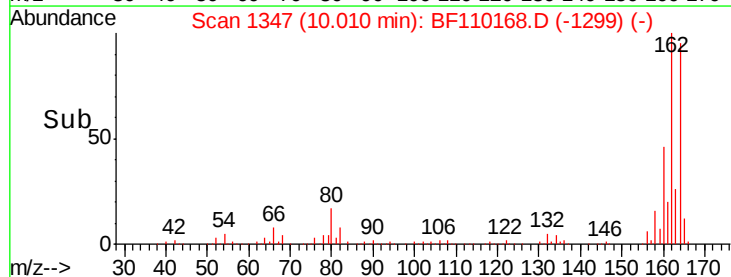
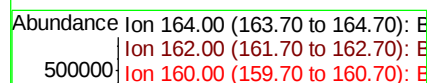
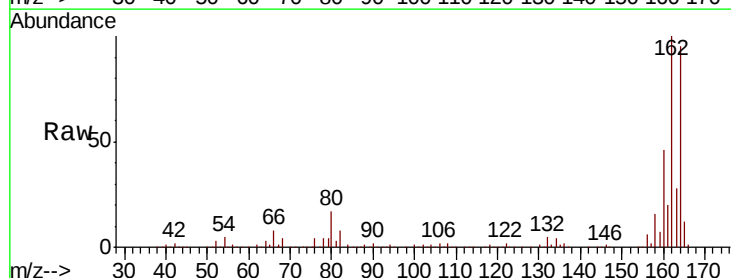
RT: 10.01 min Scan# 1347

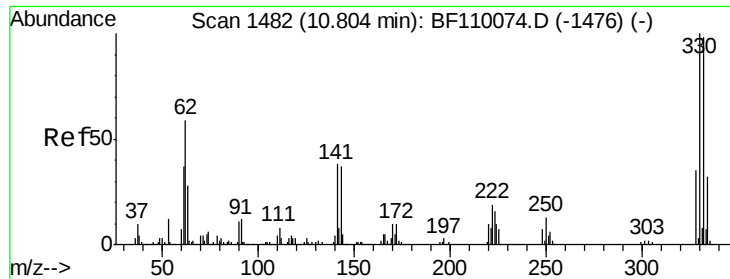
Delta R.T. -0.02 min

Lab File: BF110168.D

Acq: 25 Oct 2018 18:50

Tgt Ion:	164	Resp:	338924
Ion Ratio	Lower	Upper	
164	100		
162	104.9	83.0	124.6
160	47.9	37.0	55.6





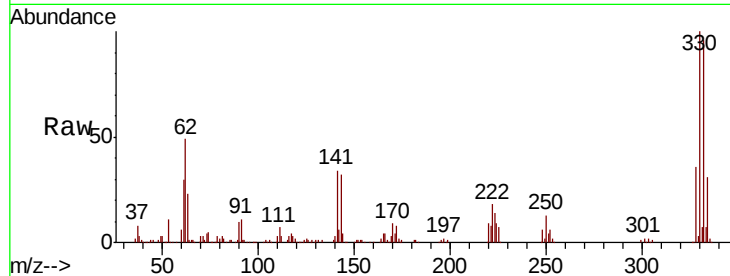
#42
 2,4,6-Tribromophenol
 Concen: 110.829 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF110168.D
 Acq: 25 Oct 2018 18:50

Instrument :
 BNA_F
 ClientSampled :
 HP-GRID-C

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.1	115.7
141	37.7	27.0	40.4

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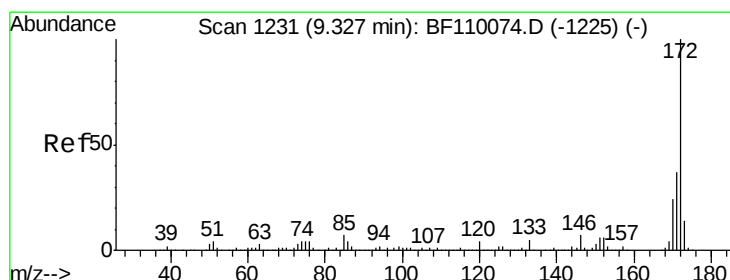
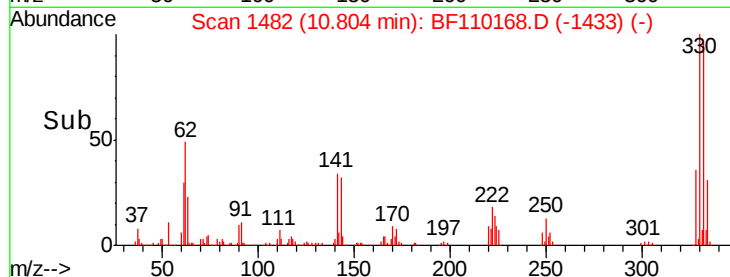
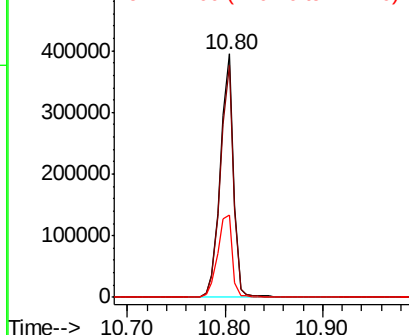


Abundance

Ion 329.80 (329.50 to 330.50): E

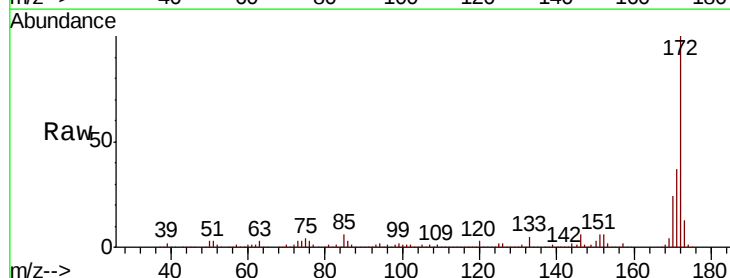
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 76.853 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110168.D
 Acq: 25 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.6	43.0
170	23.8	19.7	29.5

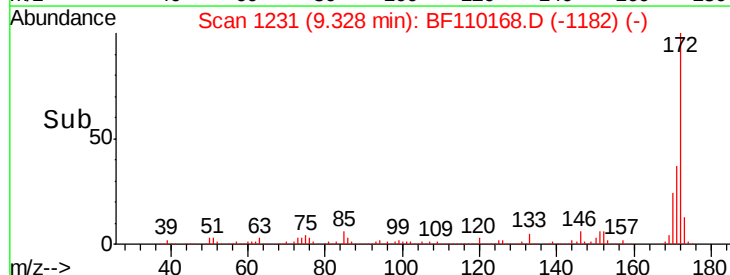
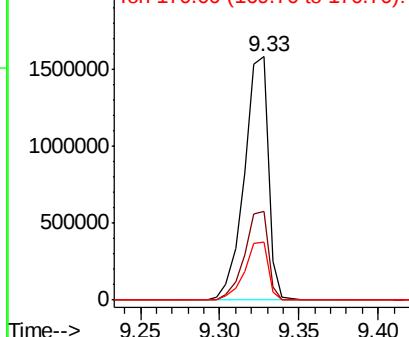


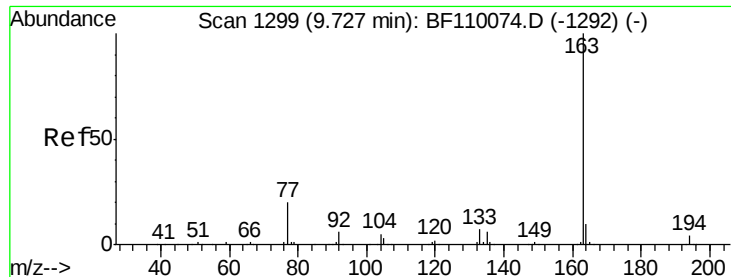
Abundance

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





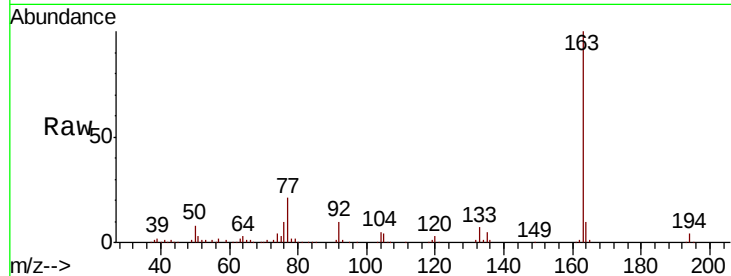
#50
Dimethylphthalate
Concen: 6.953 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.03 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

Instrument :
BNA_F
ClientSampleId :
HP-GRID-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	173943		
194	3.8		3.2	4.8
164	10.3		8.1	12.1

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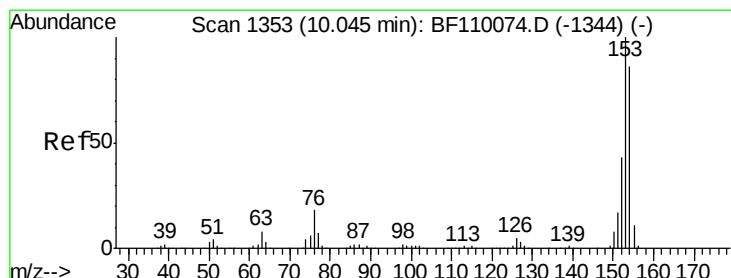
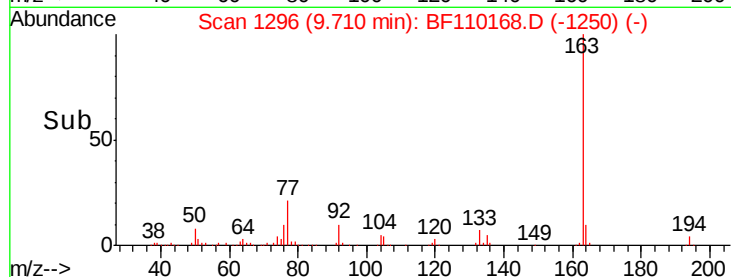
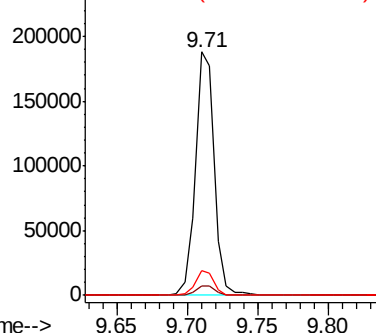


Abundance

Ion 163.00 (162.70 to 163.70): E

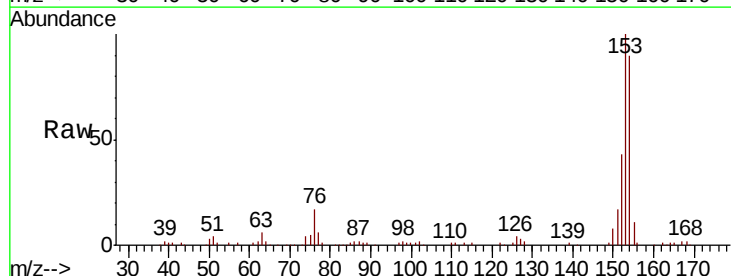
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 3.326 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.02 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	71456		
153	110.8		90.1	135.1
152	47.7		43.4	65.2

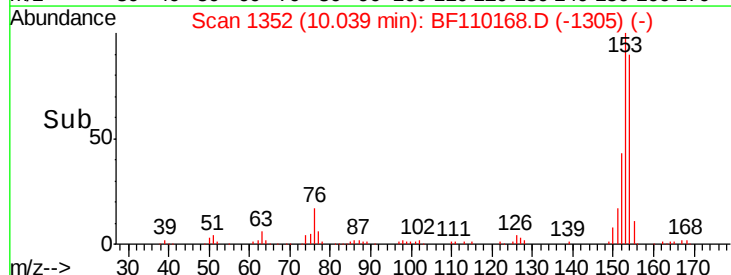
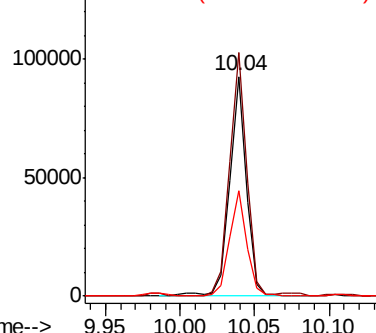


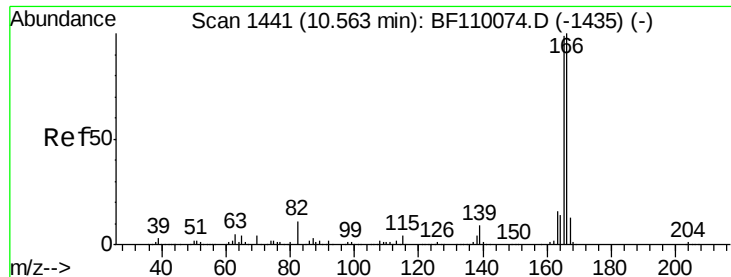
Abundance

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





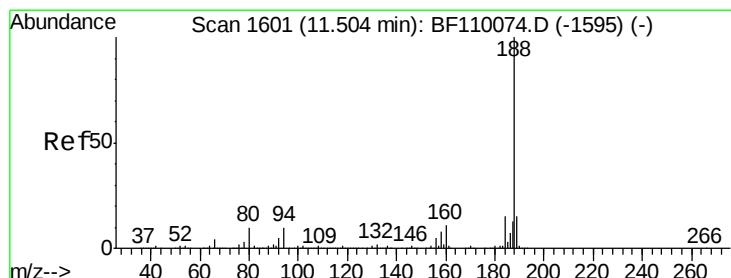
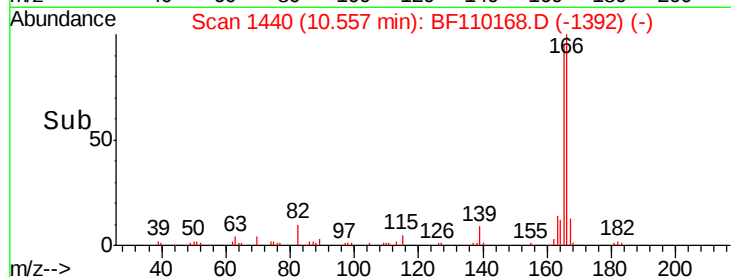
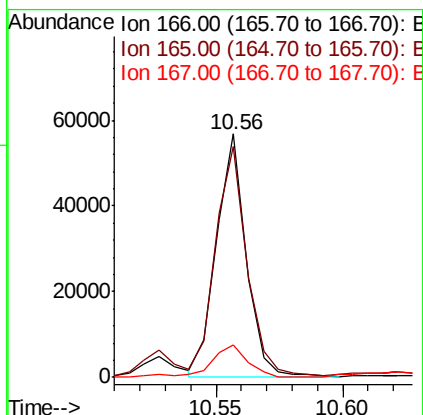
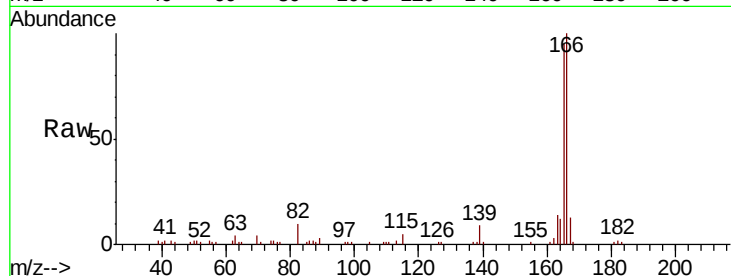
#58
 Fluorene
 Concen: 2.095 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF110168.D
 Acq: 25 Oct 2018 18:50

Instrument :
 BNA_F
 ClientSampleId :
 HP-GRID-C

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.6	78.6	117.8
167	13.2	10.8	16.2

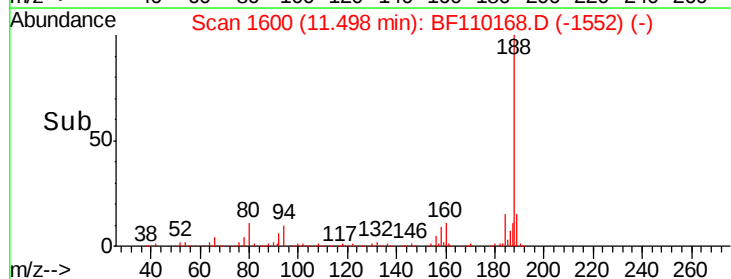
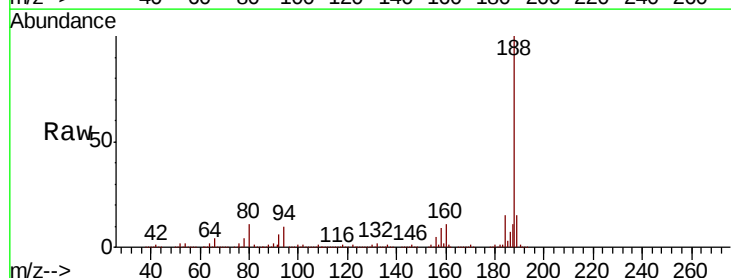
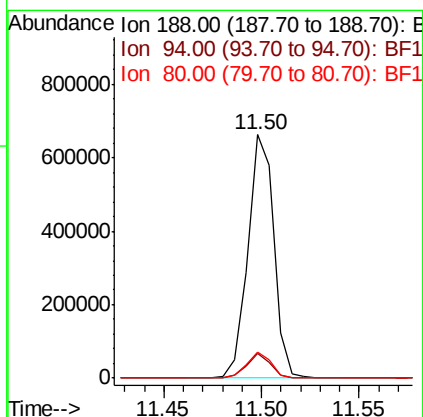
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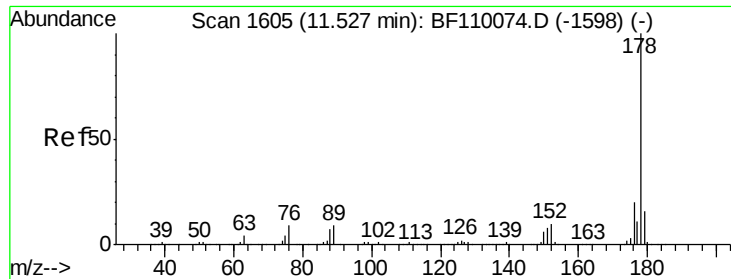
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.02 min
 Lab File: BF110168.D
 Acq: 25 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.2	10.8
80	10.7	7.9	11.9





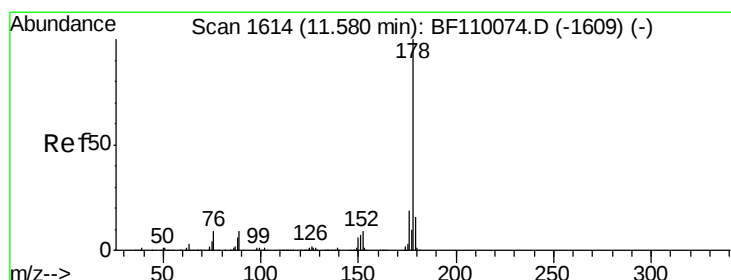
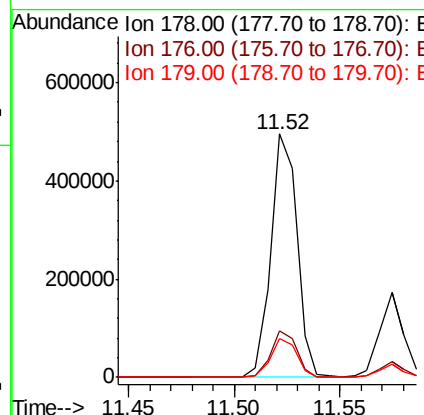
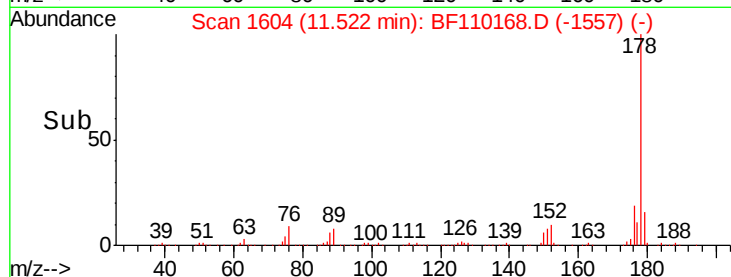
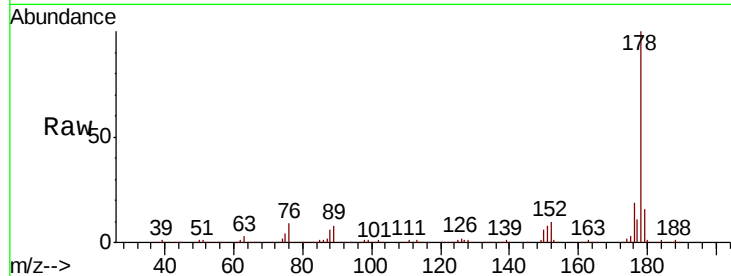
#71
Phenanthrene
Concen: 13.510 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

Instrument :
BNA_F
ClientSampleId :
HP-GRID-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.8	12.5	18.7

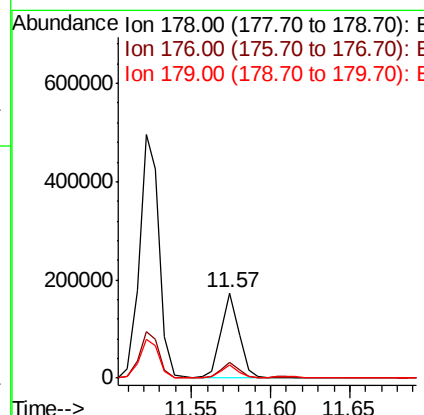
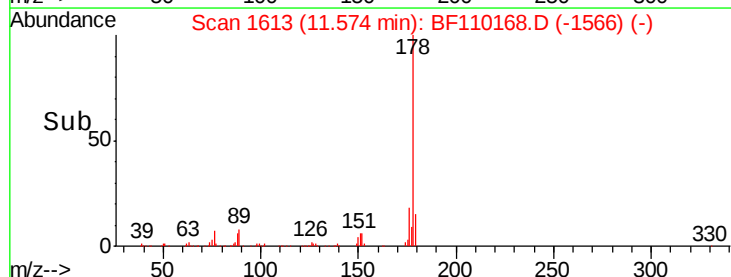
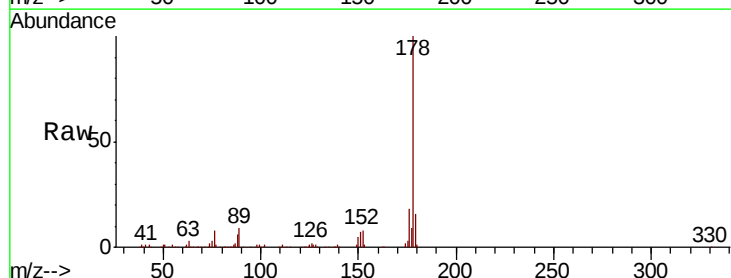
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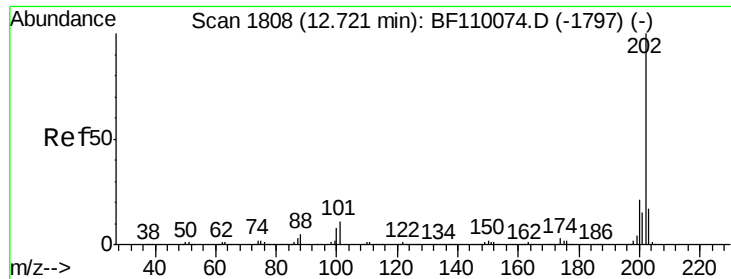
Sohil
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#72
Anthracene
Concen: 4.338 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.6	12.6	18.8





#75

Fluoranthene

Concen: 9.355 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF110168.D

Acq: 25 Oct 2018 18:50

Instrument :

BNA_F

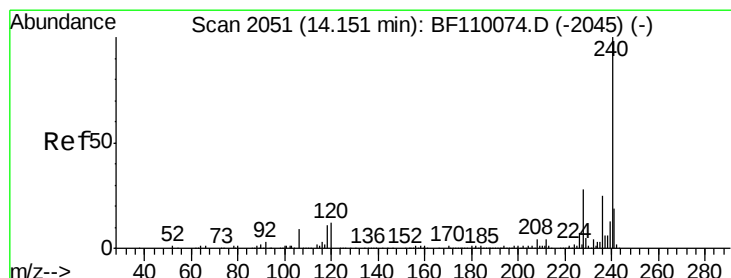
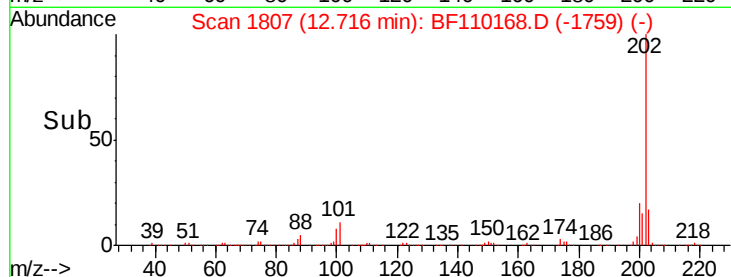
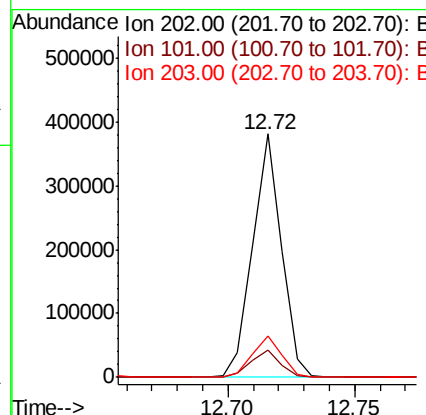
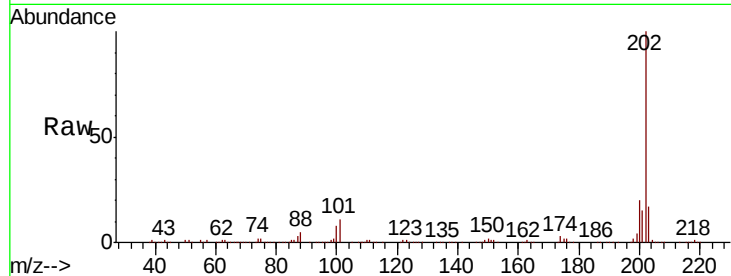
ClientSampled :

HP-GRID-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		301821		
101	11.0	0.0	31.4		
203	17.2	0.0	37.7		

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#76

Chrysene-d12

Concen: 20.000 ng

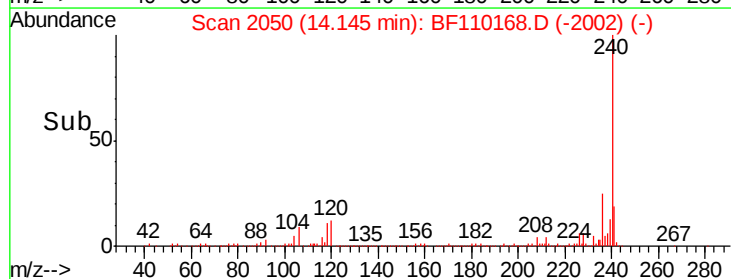
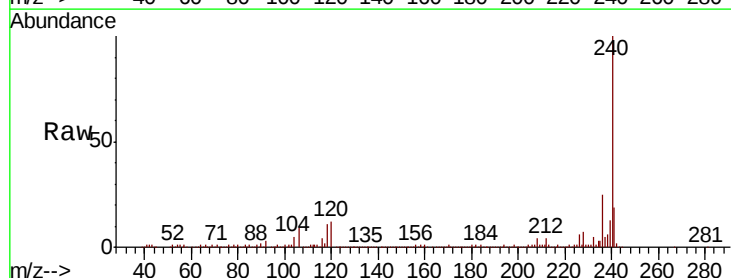
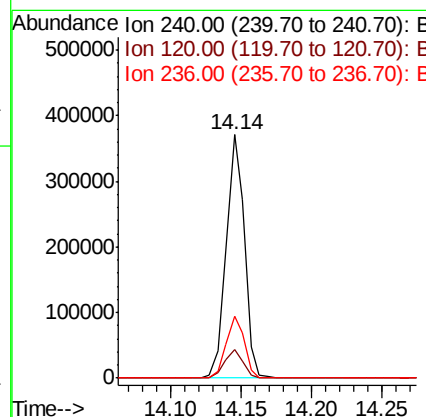
RT: 14.14 min Scan# 2050

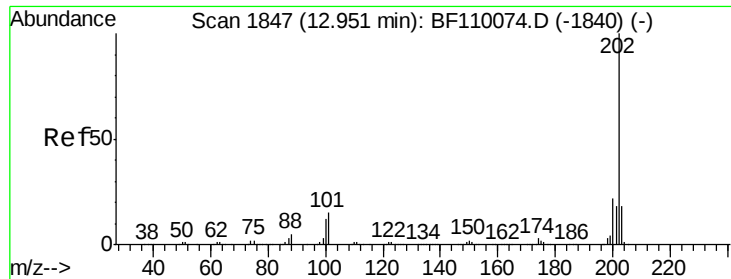
Delta R.T. -0.02 min

Lab File: BF110168.D

Acq: 25 Oct 2018 18:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		331879		
120	11.7	8.3	12.5		
236	25.4	21.2	31.8		





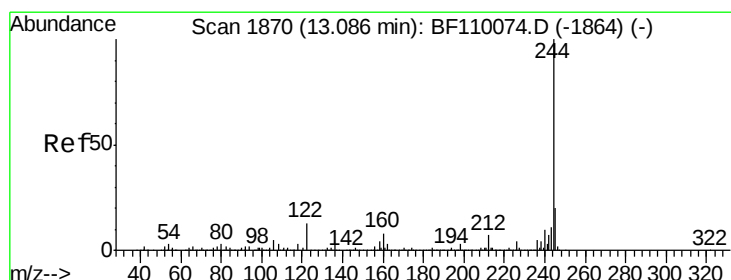
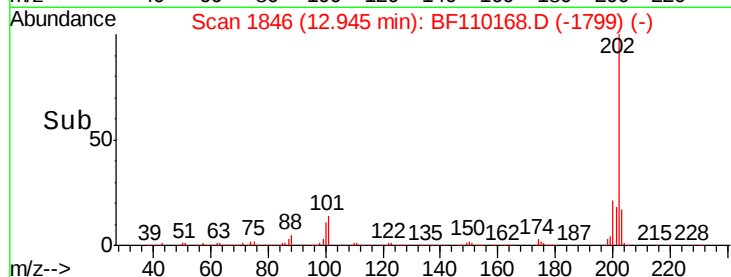
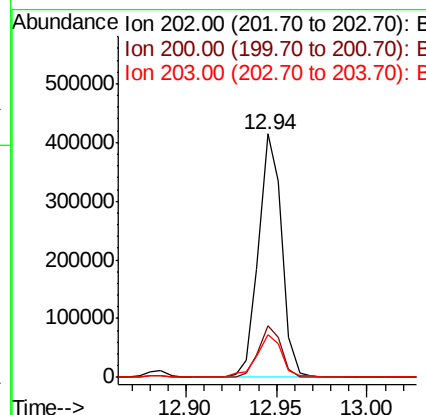
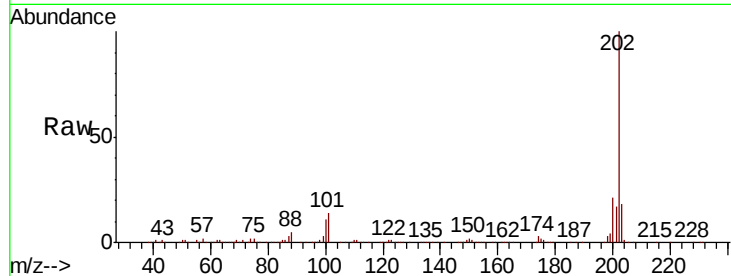
#78
Pvrene
Concen: 15.534 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

Instrument :
BNA_F
ClientSampled :
HP-GRID-C

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.6
203	17.5	14.2	21.4

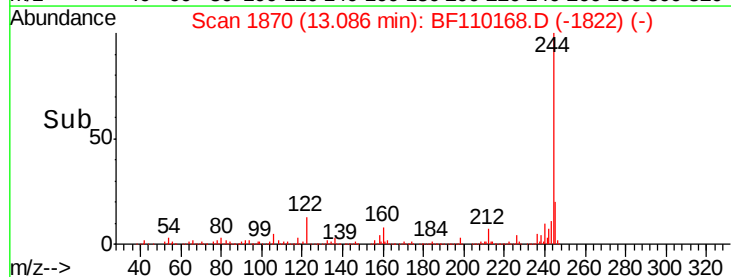
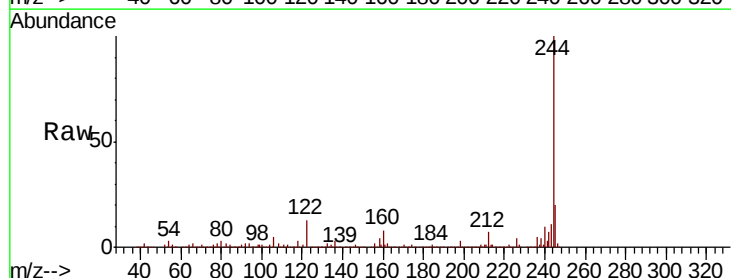
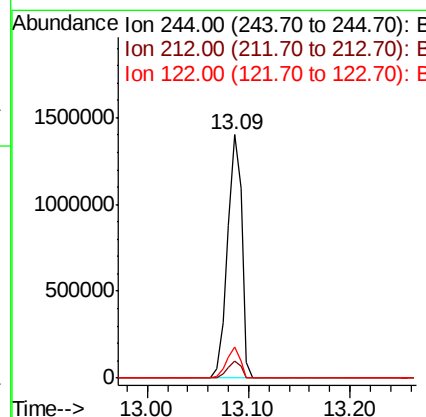
Manual Integrations
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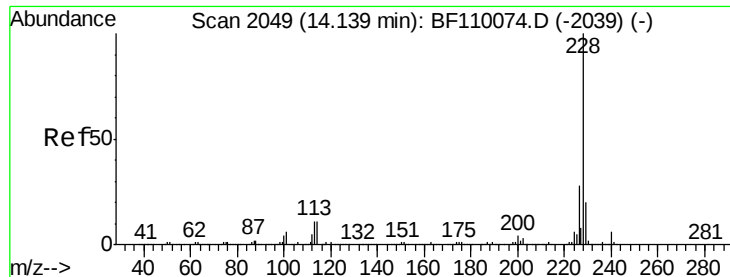
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#79
Terphenyl-d14
Concen: 85.317 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	12.8	8.7	13.1





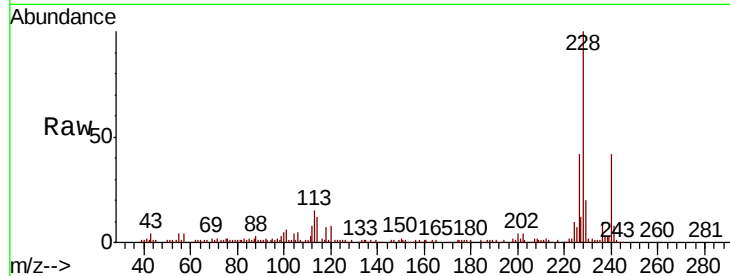
#81
Benzo(a)anthracene
Concen: 5.005 ng m
RT: 14.13 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

Instrument :
BNA_F
ClientSampled :
HP-GRID-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	41.5	22.1	33.1#
229	20.4	15.6	23.4

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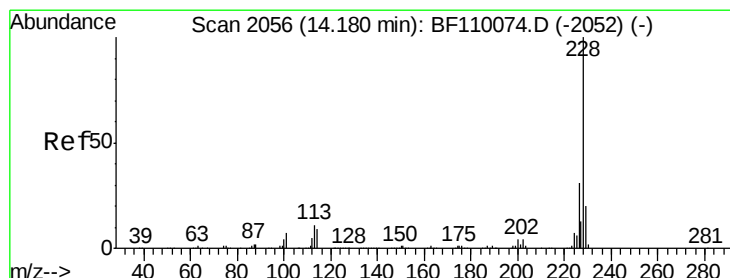
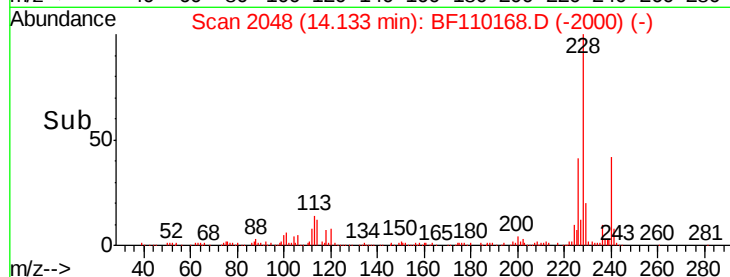
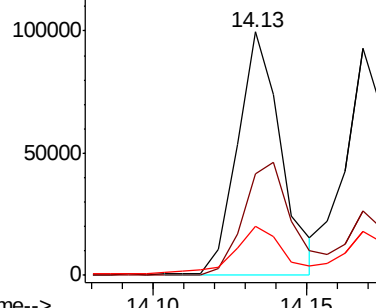


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 4.640 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.02 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

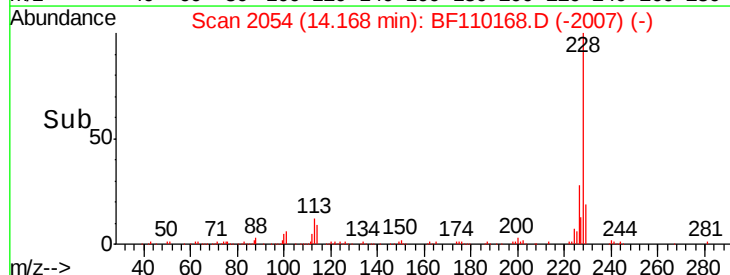
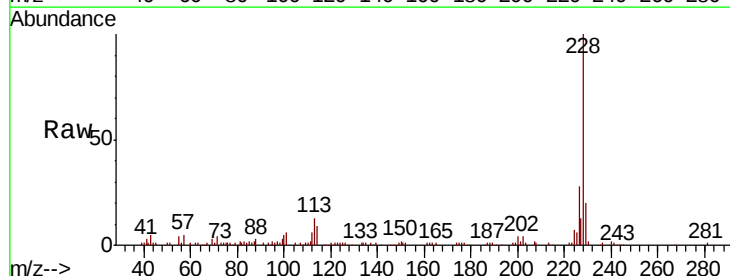
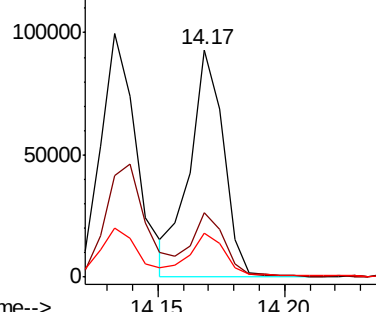
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.7	37.1
229	19.6	15.9	23.9

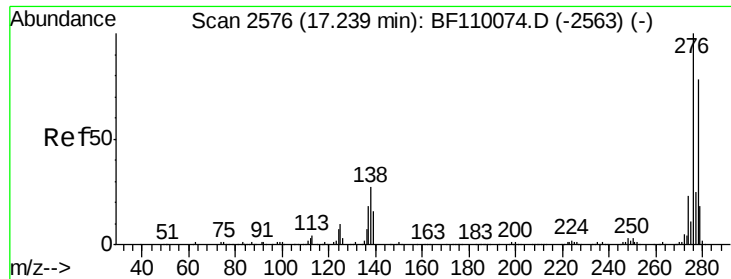
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





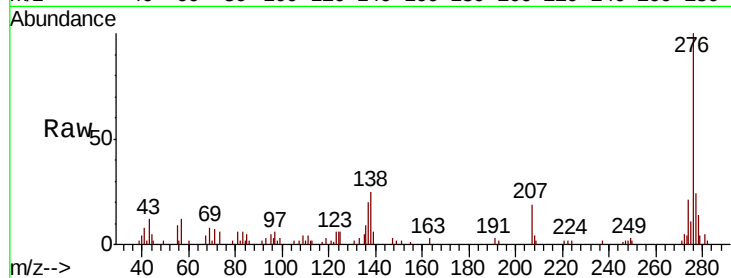
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.587 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.04 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

Instrument :
BNA_F
ClientSampleId :
HP-GRID-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.9	18.5	27.7
277	25.3	20.0	30.0

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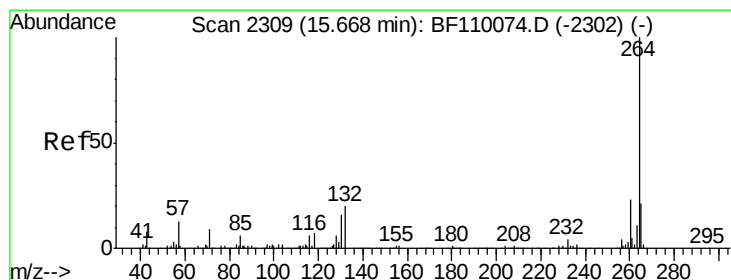
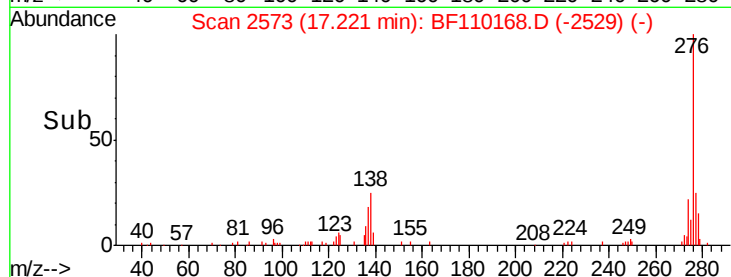
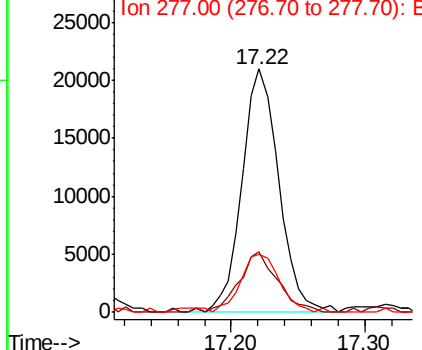


Abundance

Ion 276.00 (275.70 to 276.70): E

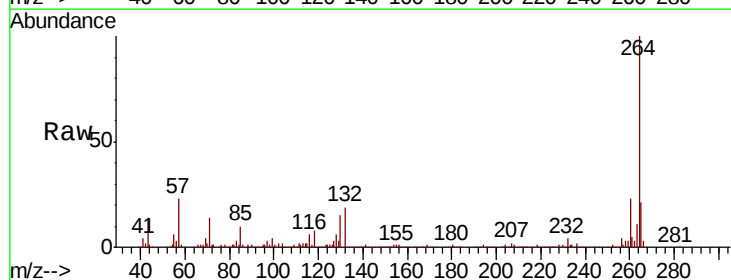
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. -0.02 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	20.7	16.7	25.1

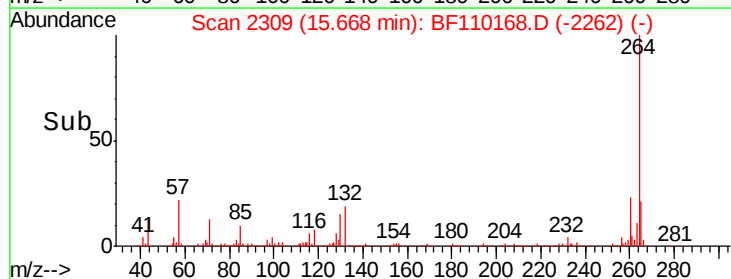
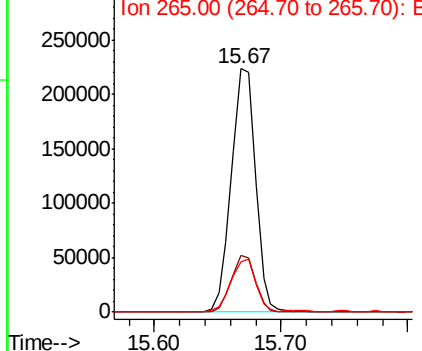


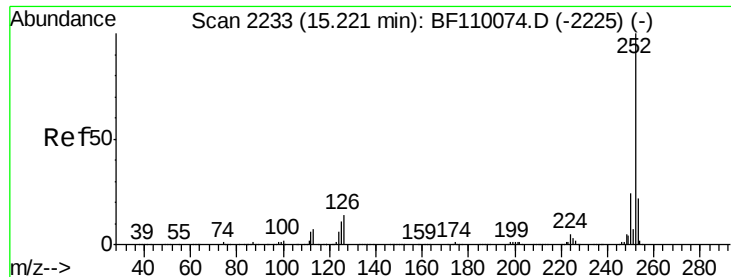
Abundance

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





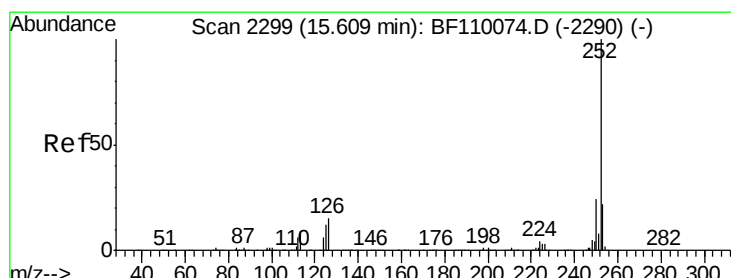
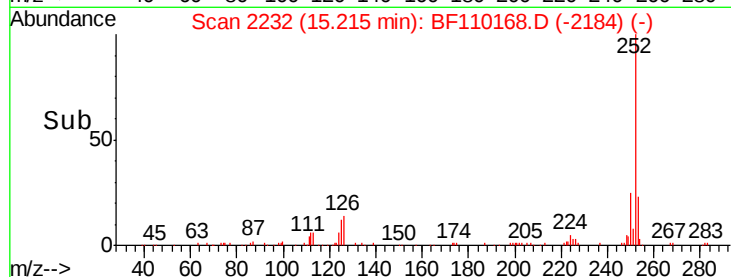
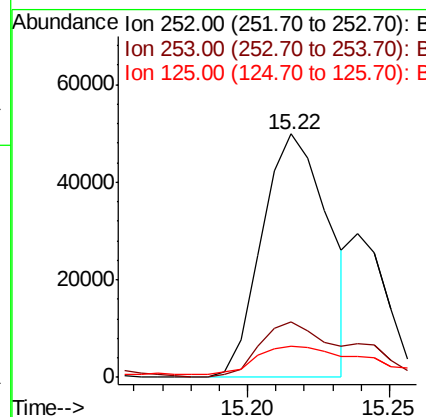
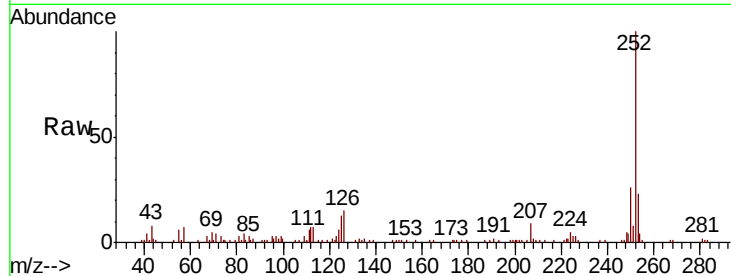
#88
Benzo(b)fluoranthene
Concen: 4.774 ng m
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

Instrument :
BNA_F
ClientSampleId :
HP-GRID-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	12.9	8.2	12.4

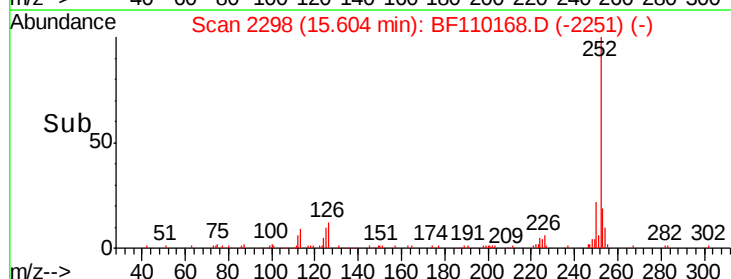
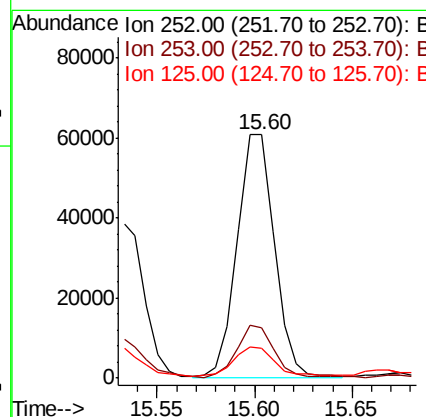
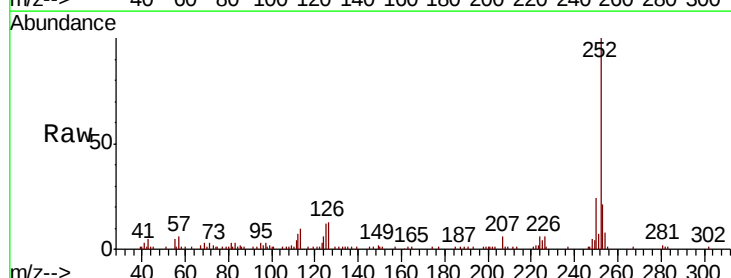
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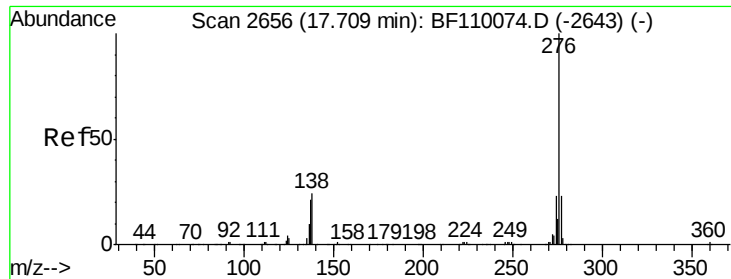
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#90
Benzo(a)pyrene
Concen: 5.204 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BF110168.D
Acq: 25 Oct 2018 18:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.6	18.2	27.4
125	12.3	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 3.073 ng
 RT: 17.70 min Scan# 2654
 Delta R.T. -0.04 min
 Lab File: BF110168.D
 Acq: 25 Oct 2018 18:50

Instrument :
 BNA_F
 ClientSampleId :
 HP-GRID-C

Tot Ion:	276	Resp:	41094
Ion Ratio	Lower	Upper	
276	100		
277	22.8	18.8	28.2
138	22.2	16.0	24.0

Manual Integrations
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