

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
 Data File : BF112905.D
 Acq On : 7 Mar 2019 2:32
 Operator : JU/SJ
 Sample : K1705-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW011-022719

Manual Integrations
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Sohil
 3/7/2019 11:02:54 AM

Quant Time: Mar 07 05:40:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	138683	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	535118	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	252920	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	469748	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	341364	20.00	ng	-0.01
87) Perylene-d12	15.26	264	337485	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1054665	118.30	ng	-0.01
7) Phenol-d6	6.37	99	1345775	120.17	ng	0.00
23) Nitrobenzene-d5	7.29	82	805447	90.07	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	379235	141.24	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1346816	89.47	ng	-0.01
79) Terphenyl-d14	12.82	244	1147283	65.15	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.48	163	104397	5.598	ng	99
58) Fluorene	10.30	166	33013	2.001	ng	98
71) Phenanthrene	11.26	178	461291	19.737	ng	99
72) Anthracene	11.31	178	113469	4.638	ng	98
75) Fluoranthene	12.44	202	484161	19.335	ng	98
78) Pyrene	12.67	202	415327	14.432	ng	99
81) Benzo(a)anthracene	13.85	228	198973	8.410	ng	99
83) Chrysene	13.89	228	190701	8.229	ng	96
86) Indeno(1,2,3-cd)pyrene	16.61	276	57918	2.932	ng	96
88) Benzo(b)fluoranthene	14.87	252	220778m	10.114	ng	
89) Benzo(k)fluoranthene	14.89	252	51481m	2.604	ng	
90) Benzo(a)pyrene	15.20	252	131009	6.785	ng	99
92) Benzo(a,h,i)perylene	17.02	276	48054	2.905	ng	97

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

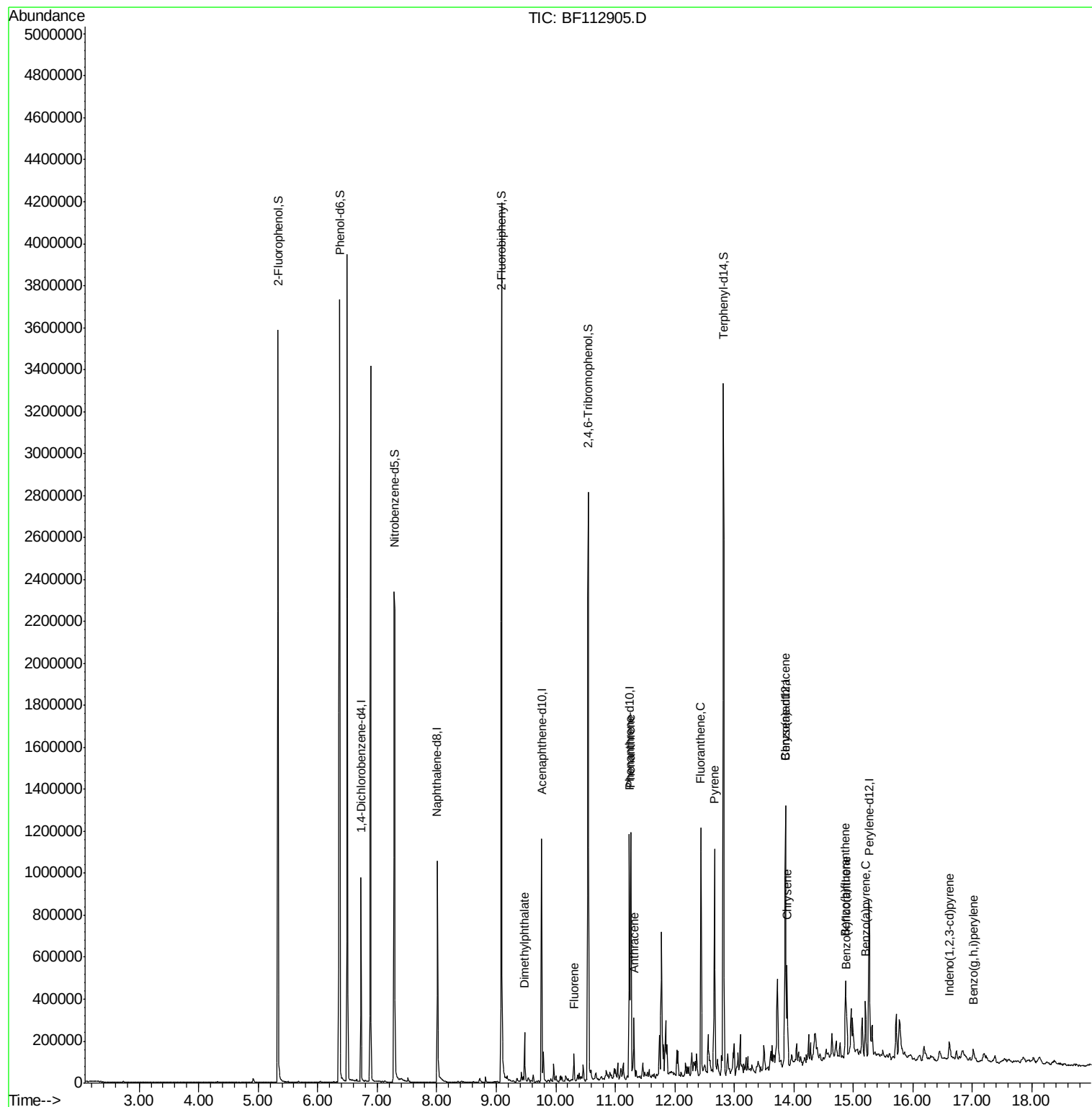
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112905.D
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Sample : K1705-09
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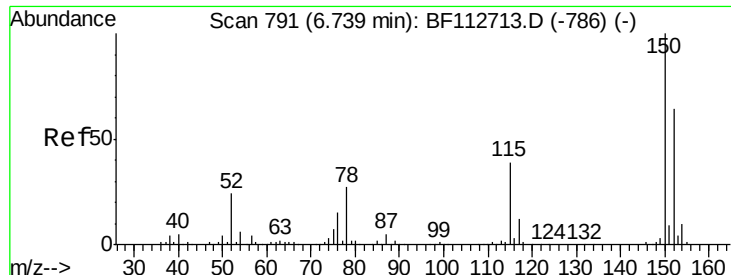
Instrument :
BNA_F
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EXT-027-SW011-022719

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#1

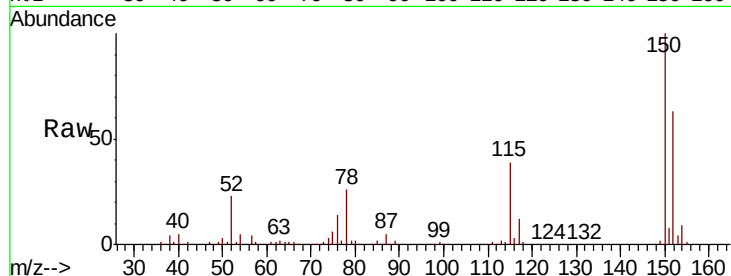
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.2	186.2
115	60.9	48.2	72.4

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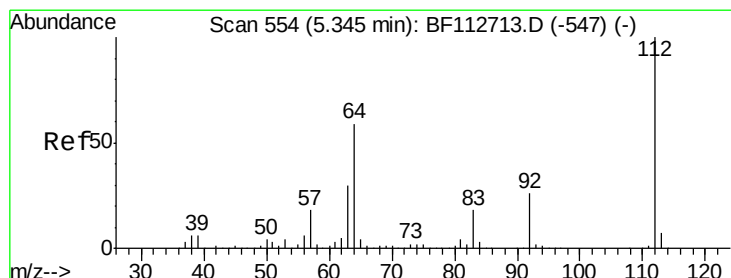
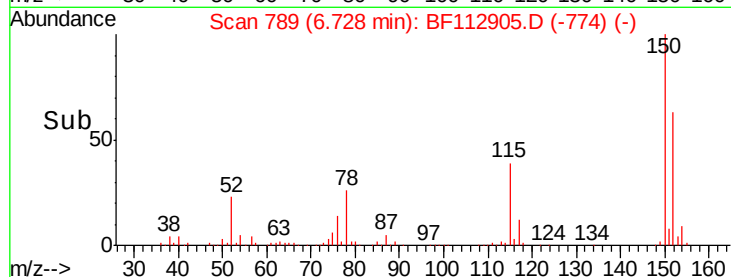
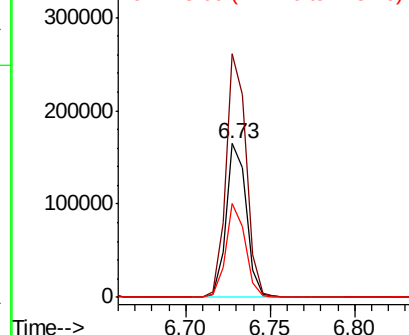


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

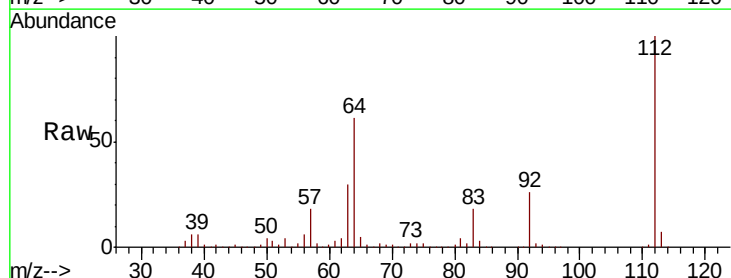
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 118.297 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	47.6	71.4
63	30.4	24.4	36.6

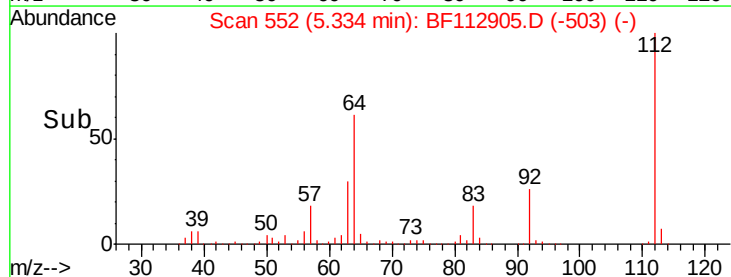
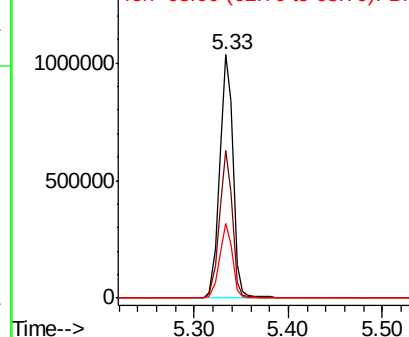


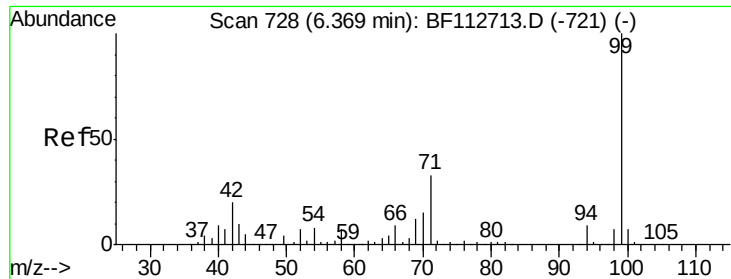
Abundance

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: 120.167 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719

Tot Ion: 99 Resp: 1345775

Ion Ratio Lower Upper

99 100

42 17.9 16.3 24.5

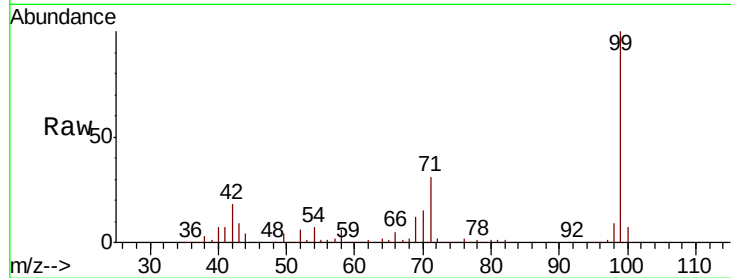
71 31.3 26.2 39.4

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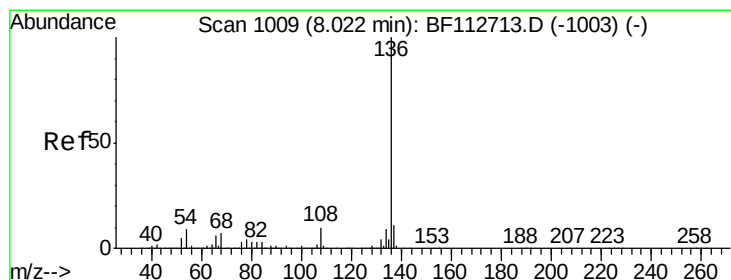
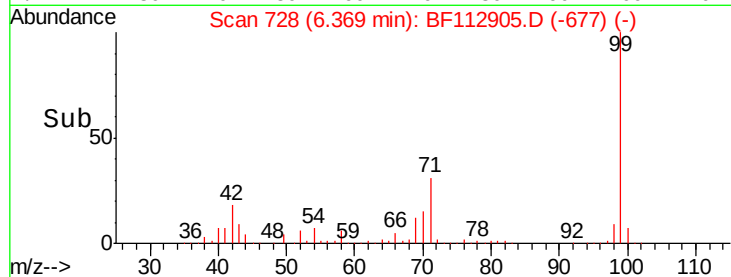
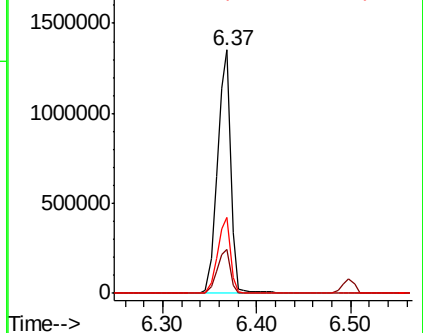
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

Tgt Ion: 136 Resp: 535118

Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.4 7.3 10.9

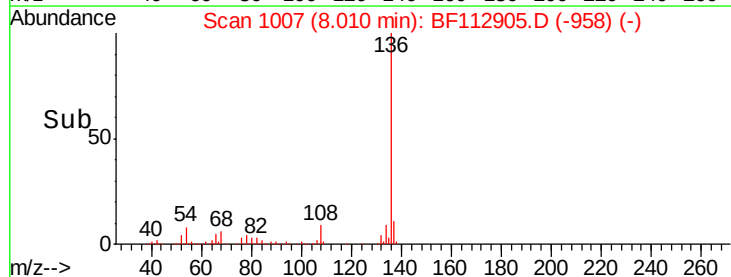
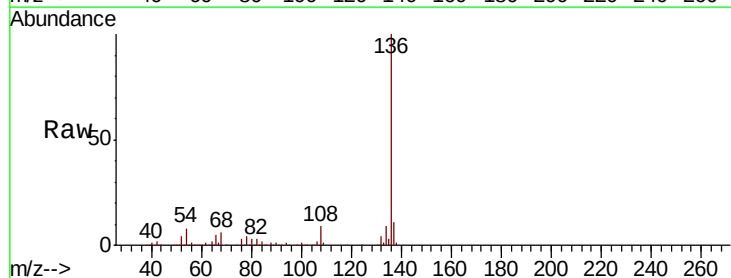
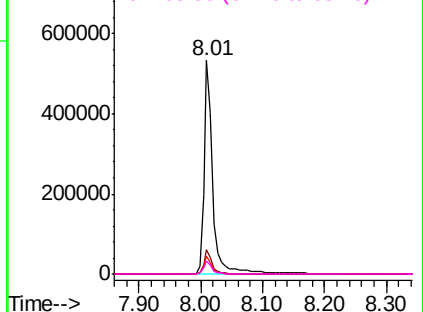
68 6.2 5.4 8.2

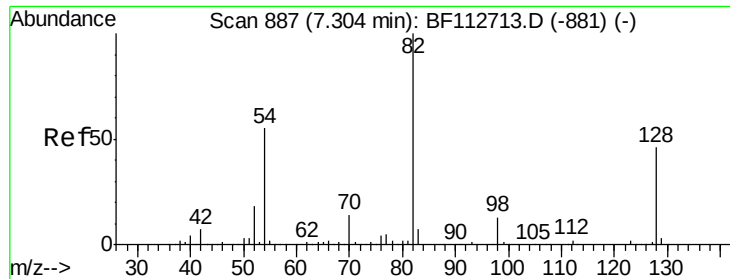
Abundance Ion 136.00 (135.70 to 136.70): E

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





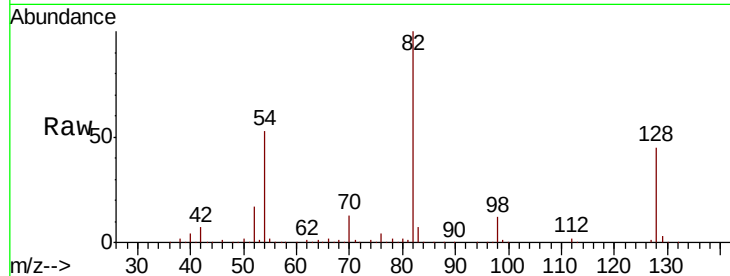
#23
Nitrobenzene-d5
Concen: 90.067 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

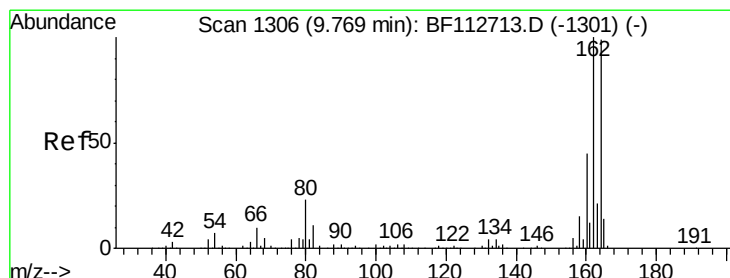
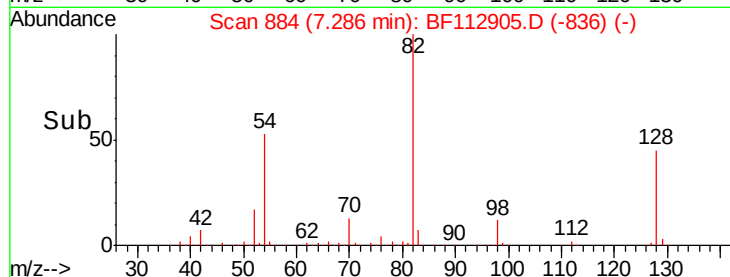
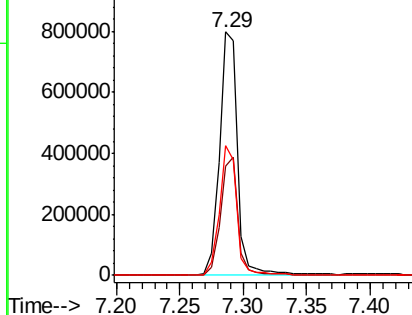
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.3	54.5
54	53.2	43.7	65.5

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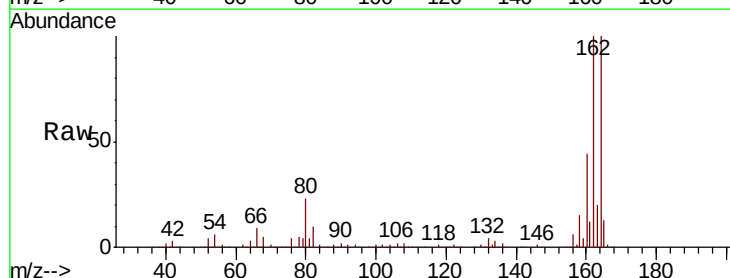


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

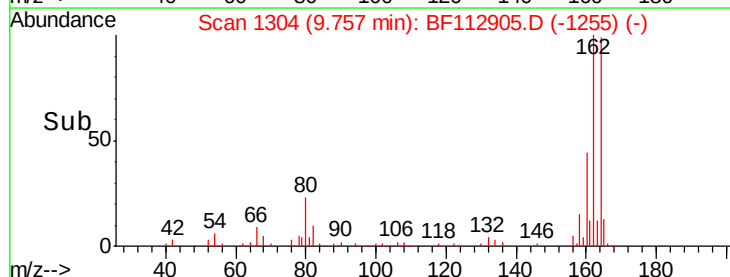
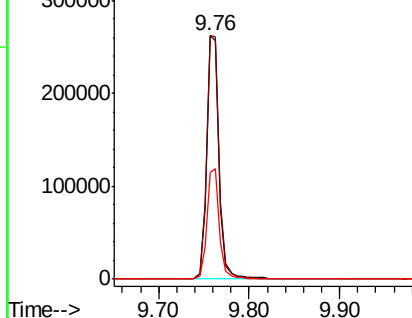


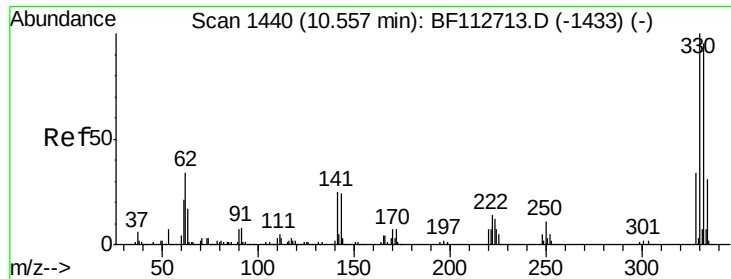
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	120.8
160	43.7	36.0	54.0



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 141.239 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

Instrument :

BNA_F

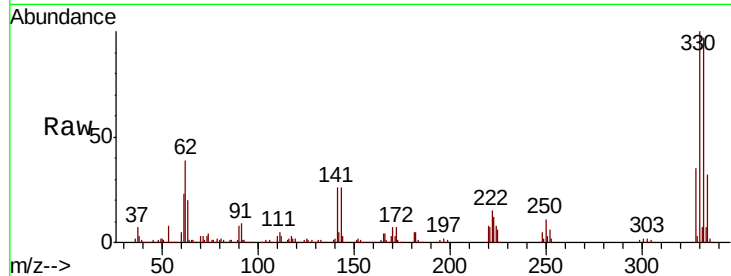
ClientSampleId :

EXT-027-SW011-022719

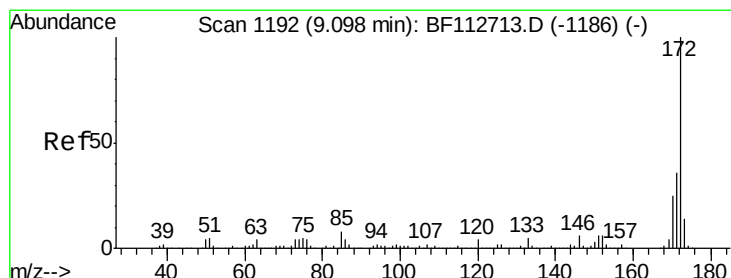
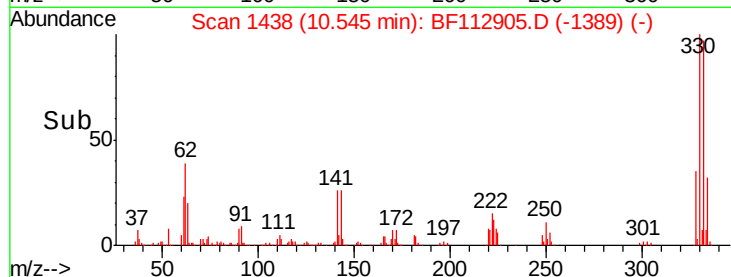
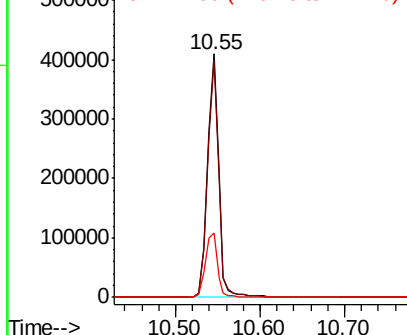
Tot Ion:	330	Resp:	379235
Ion Ratio	Lower	Upper	
330	100		
332	96.5	76.2	114.4
141	28.5	27.0	40.6

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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: 89.471 ng

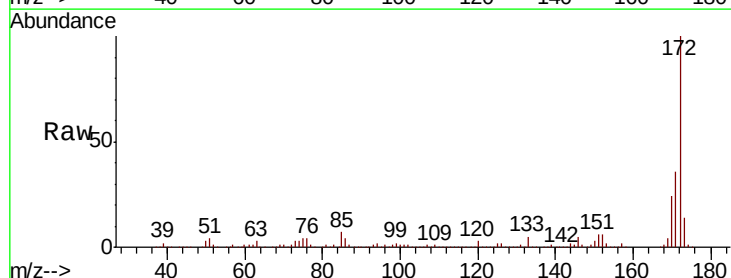
RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

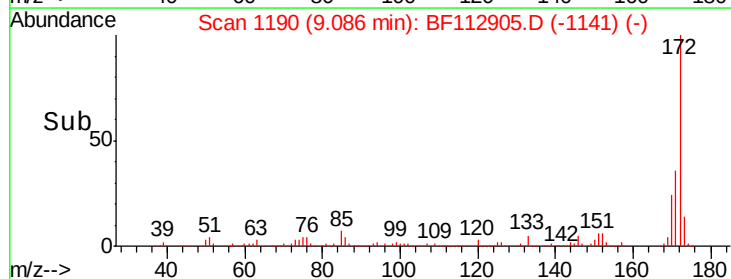
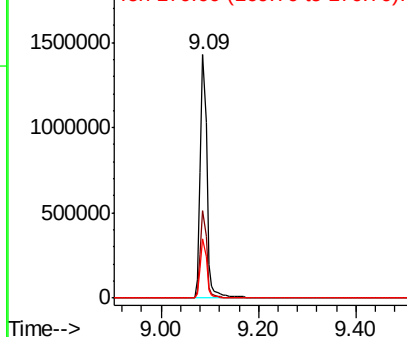
Lab File: BF112905.D

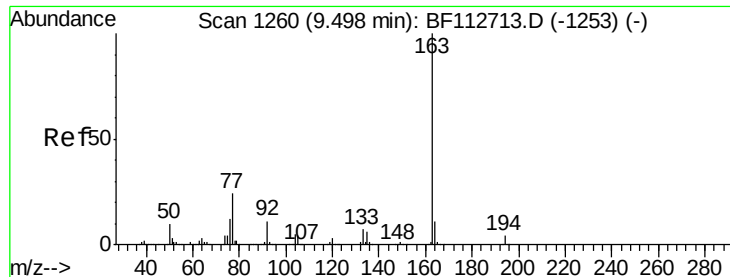
Acq: 7 Mar 2019 2:32

Tgt Ion:	172	Resp:	1346816
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.0	43.4
170	24.2	20.0	30.0



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





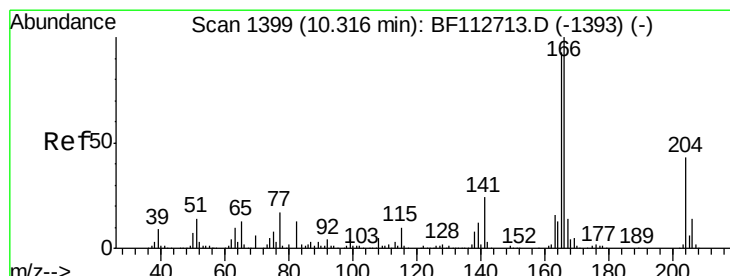
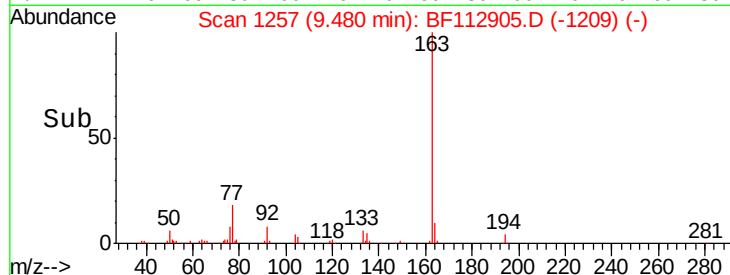
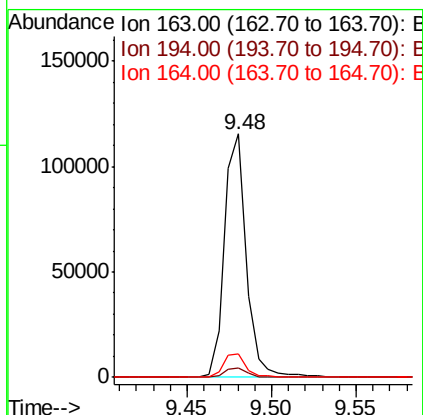
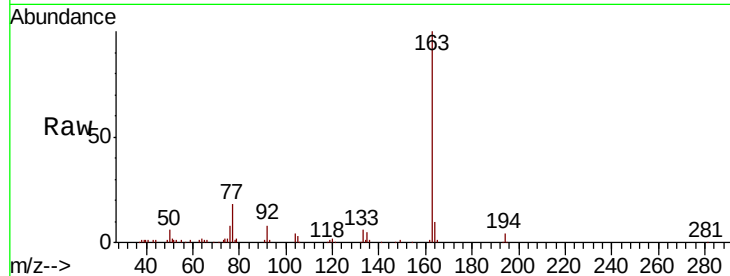
#50
Dimethylphthalate
Concen: 5.598 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tot Ion:	163	Resp:	104397
Ion Ratio		Lower	Upper
163	100		
194	3.9	3.0	4.4
164	9.8	8.4	12.6

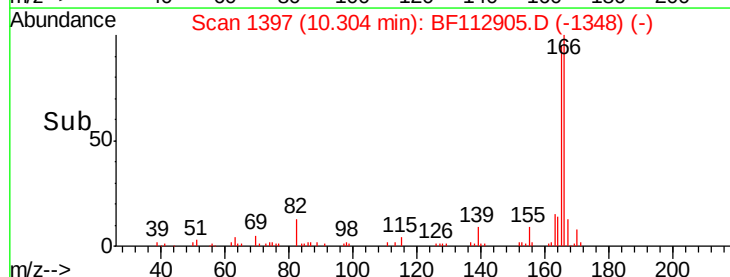
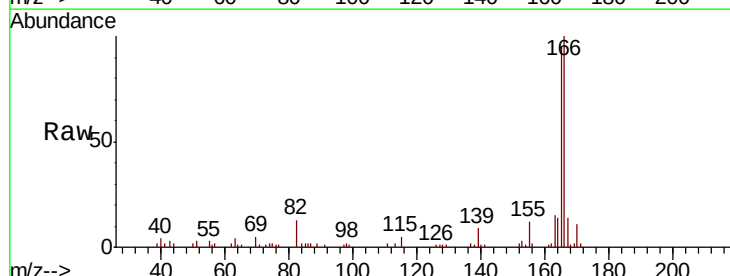
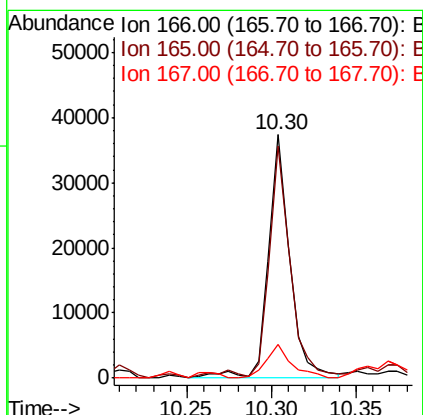
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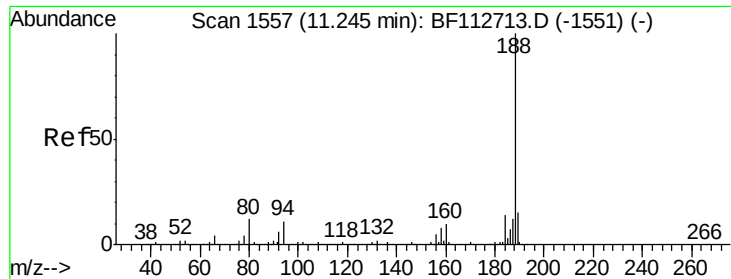
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#58
Fluorene
Concen: 2.001 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Tgt Ion:	166	Resp:	33013
Ion Ratio		Lower	Upper
166	100		
165	95.1	74.7	112.1
167	14.1	11.0	16.6





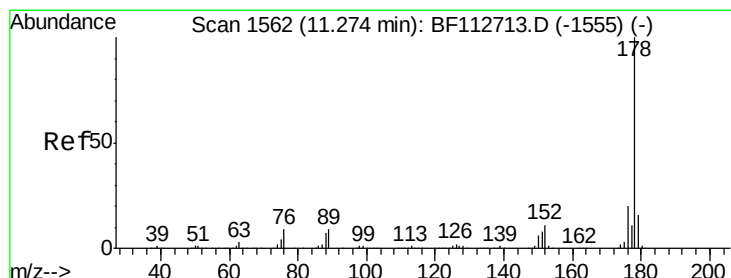
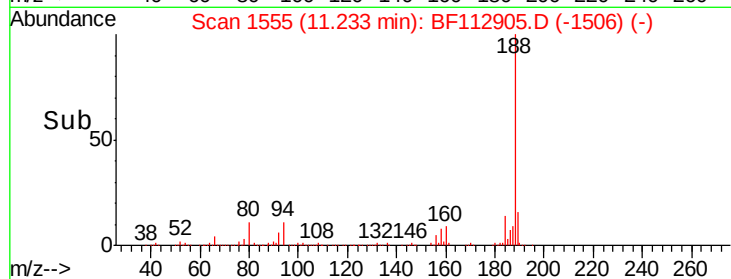
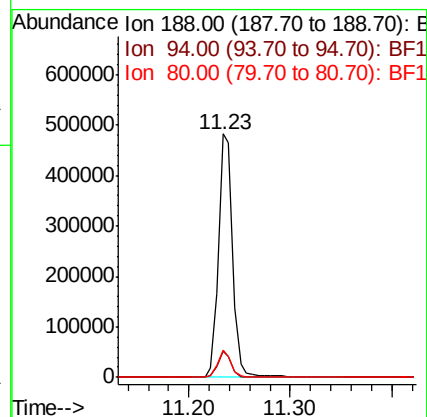
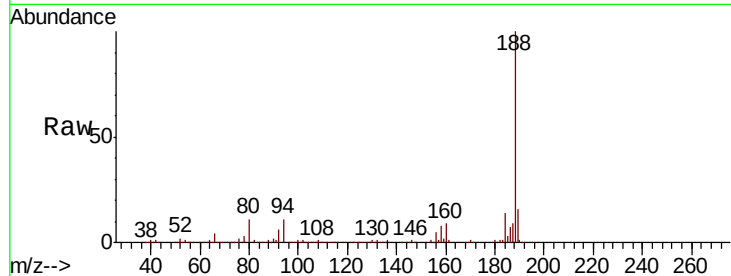
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tot Ion	Ratio	Resp	Lower	Upper
188	100	469748		
94	10.7		9.0	13.4
80	11.0		9.2	13.8

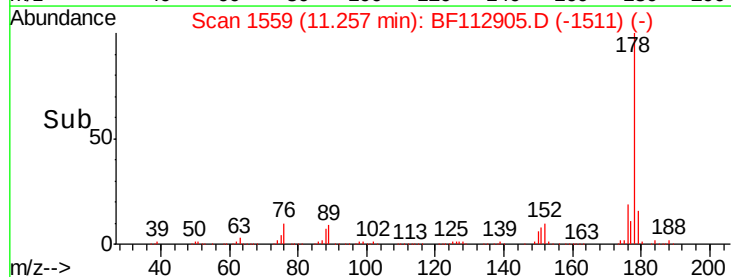
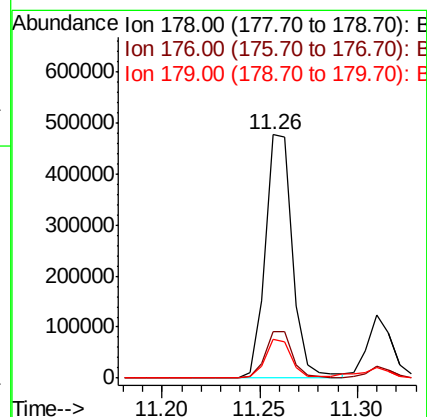
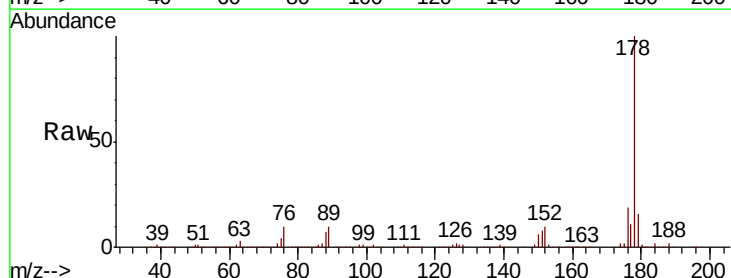
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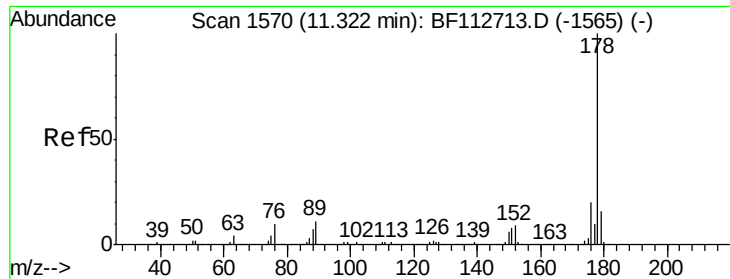
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#71
Phenanthrene
Concen: 19.737 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	461291		
176	19.3		16.3	24.5
179	16.0		12.7	19.1





#72

Anthracene

Concen: 4.638 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

Instrument :

BNA_F

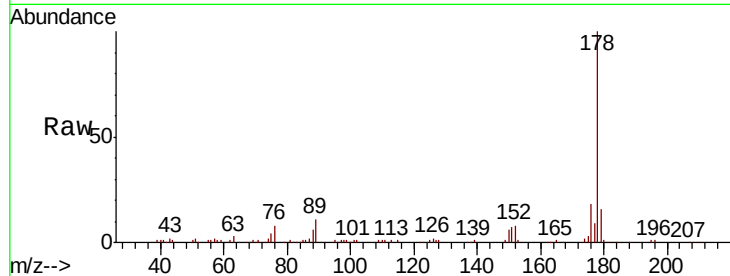
ClientSampleId :

EXT-027-SW011-022719

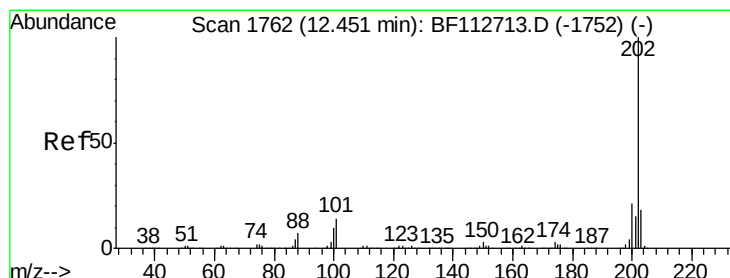
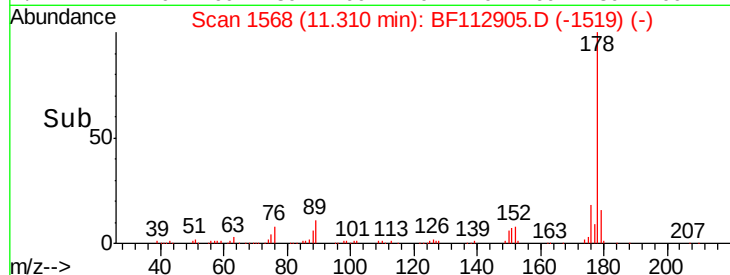
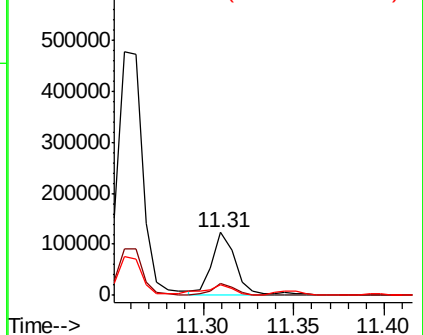
Tot Ion:	178	Resp:	113469
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.8	23.6
179	16.3	13.0	19.6

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 19.335 ng

RT: 12.44 min Scan# 1760

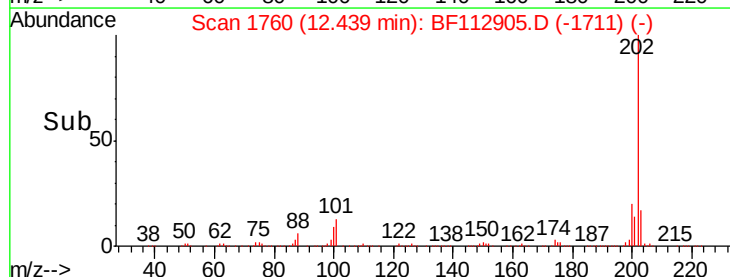
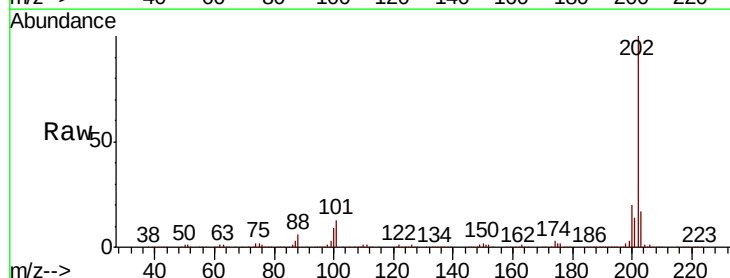
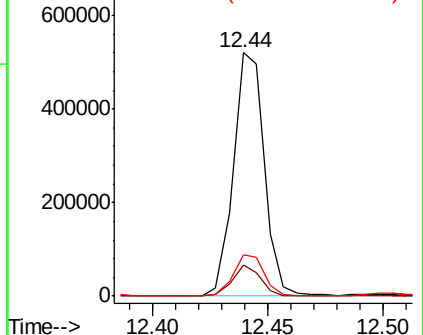
Delta R.T. -0.01 min

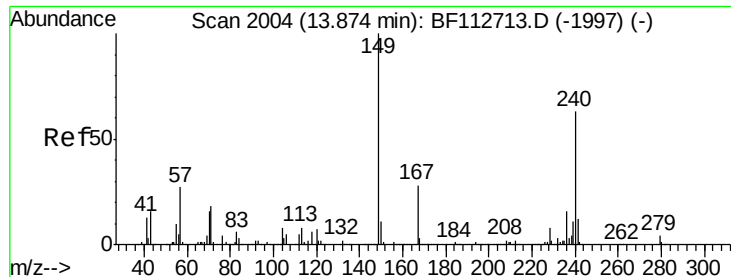
Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

Tgt Ion:	202	Resp:	484161
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	33.8
203	17.2	0.0	38.4

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





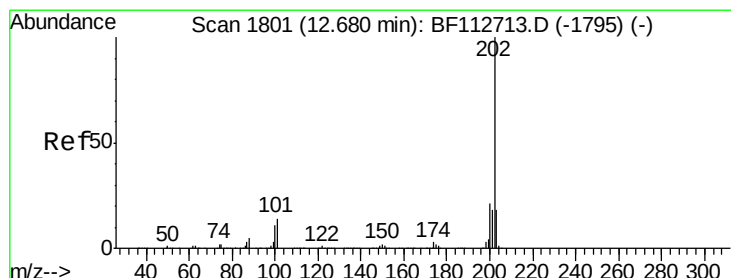
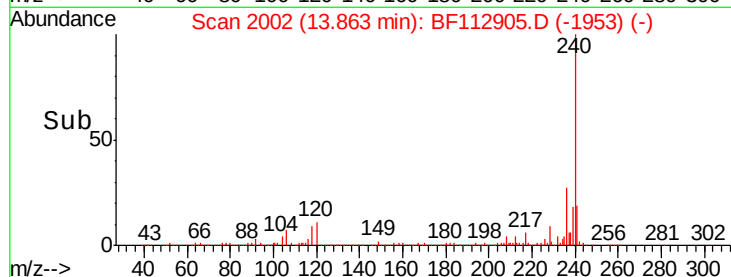
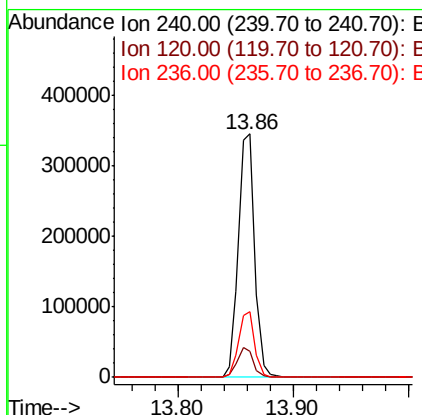
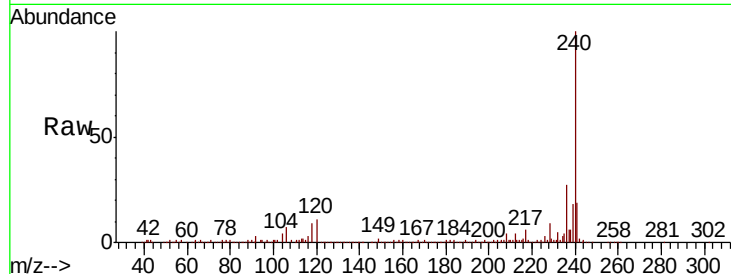
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	10.9	8.9	13.3
236	26.9	20.7	31.1

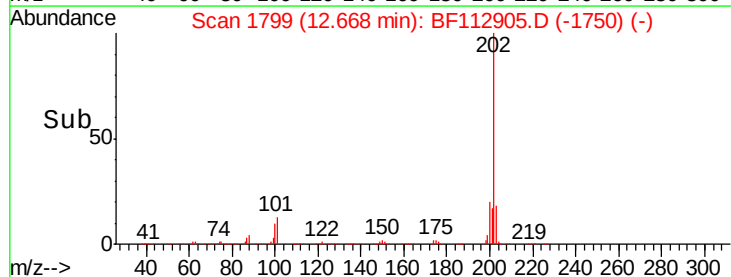
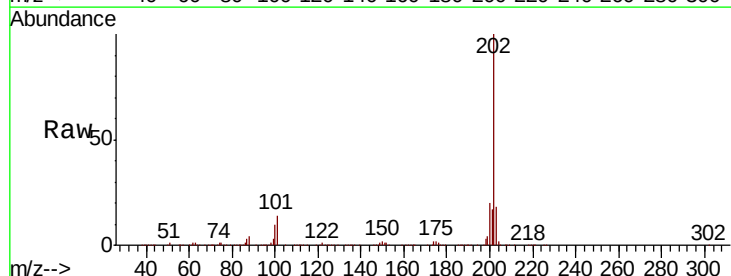
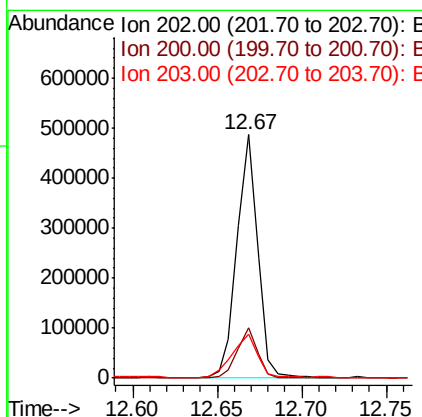
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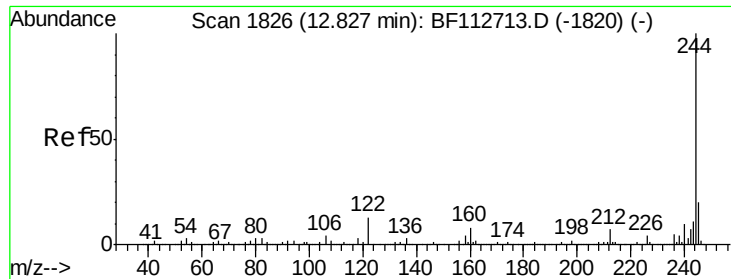
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#78
Pyrene
Concen: 14.432 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	17.0	25.4
203	18.2	14.4	21.6





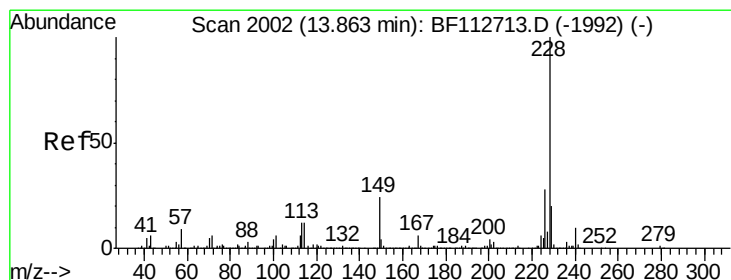
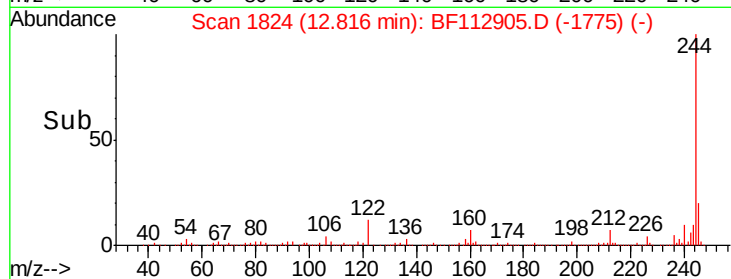
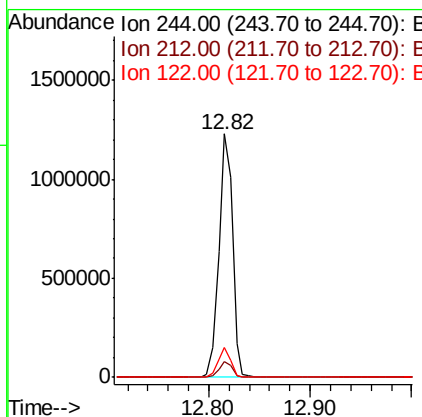
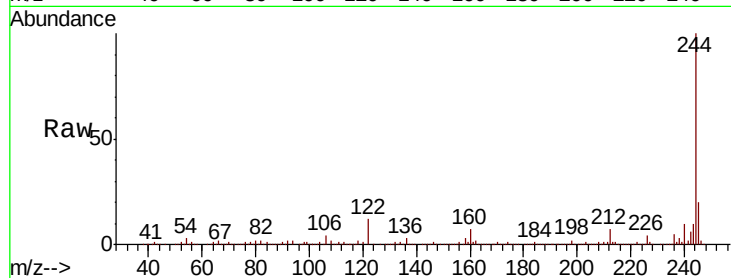
#79
 Terphenyl-d14
 Concen: 65.151 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112905.D
 Acq: 7 Mar 2019 2:32

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW011-022719

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	12.5	10.5	15.7

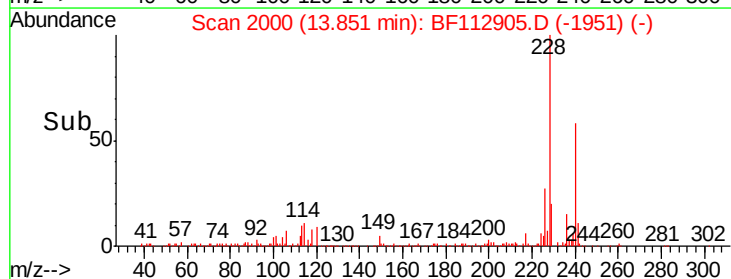
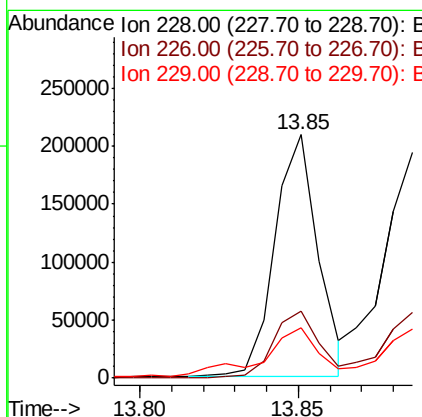
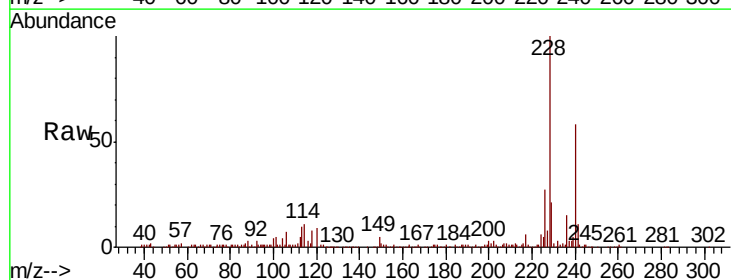
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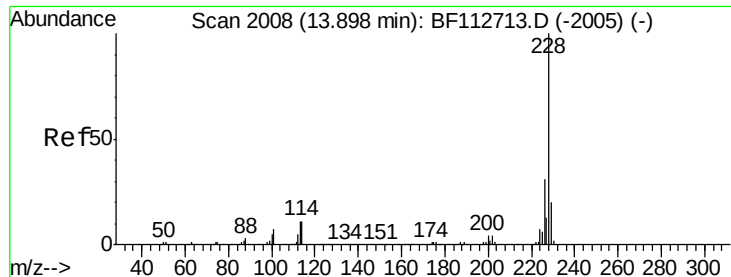
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#81
 Benzo(a)anthracene
 Concen: 8.410 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF112905.D
 Acq: 7 Mar 2019 2:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.2	33.4
229	20.5	16.0	24.0





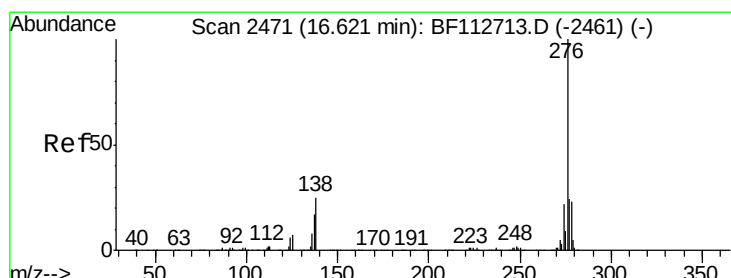
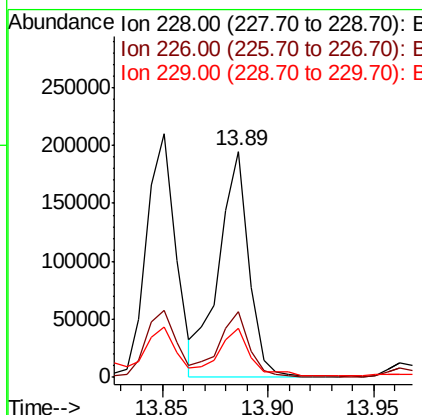
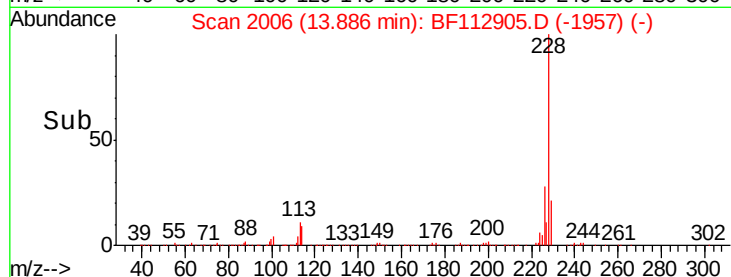
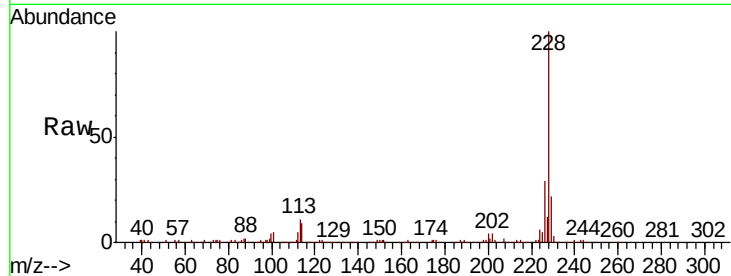
#83
Chrysene
Concen: 8.229 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tot Ion:	228	Resp:	190701
Ion Ratio	Lower	Upper	
228	100		
226	28.9	24.9	37.3
229	21.8	16.3	24.5

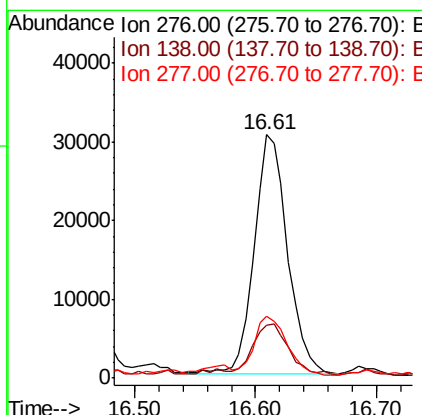
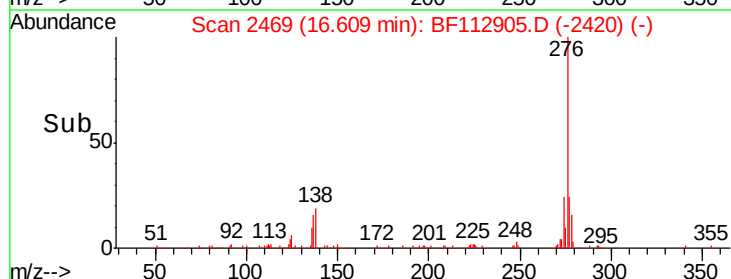
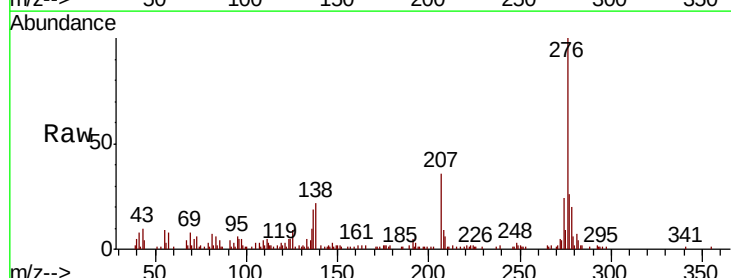
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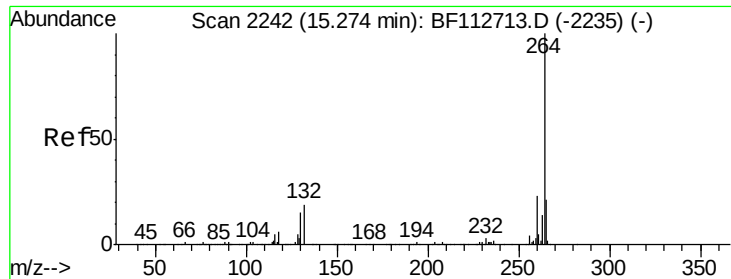
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.932 ng
RT: 16.61 min Scan# 2469
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Tgt Ion:	276	Resp:	57918
Ion Ratio	Lower	Upper	
276	100		
138	25.0	23.2	34.8
277	24.9	19.9	29.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.26 min Scan# 2240

Delta R.T. -0.01 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

Instrument :

BNA_F

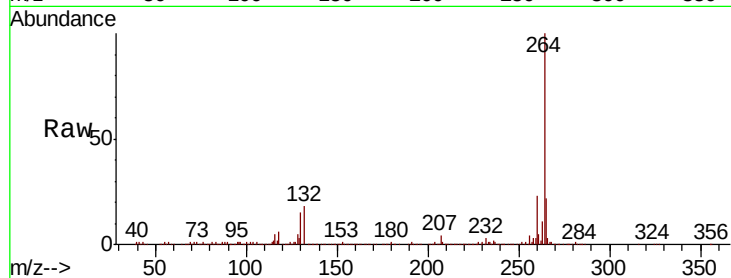
ClientSampleId :

EXT-027-SW011-022719

Tot Ion:	264	Resp:	337485
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.7	28.1
265	22.1	17.2	25.8

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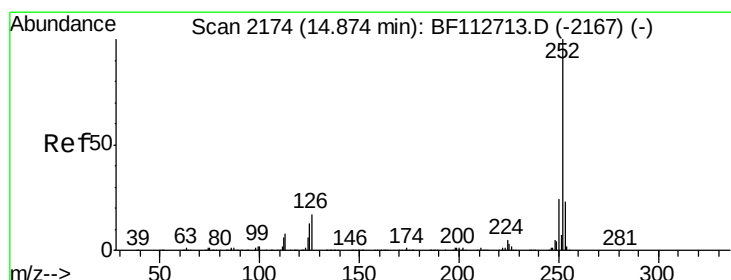
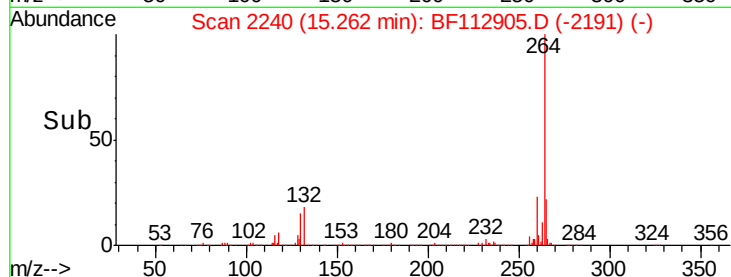
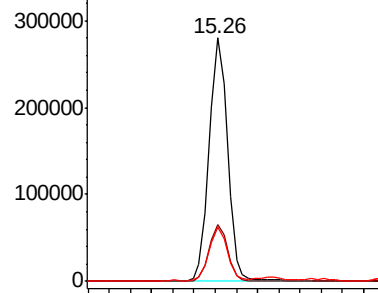


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 10.114 ng m

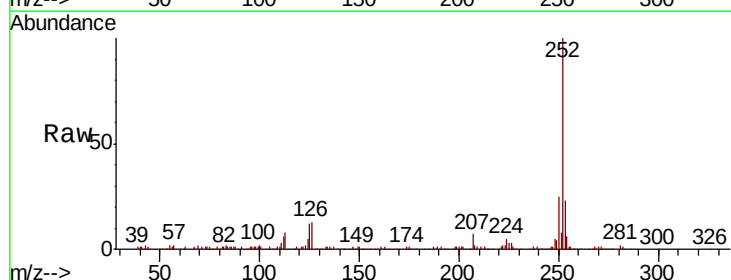
RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

Tgt Ion:	252	Resp:	220778
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.0	27.0
125	12.4	10.2	15.2

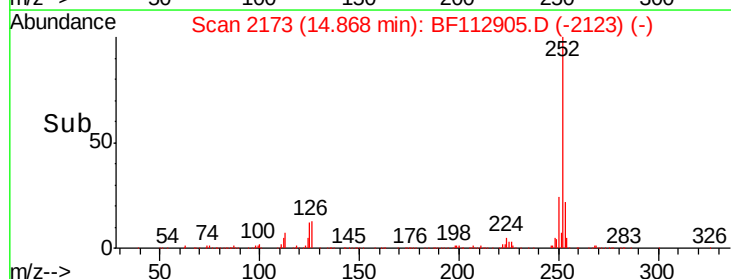
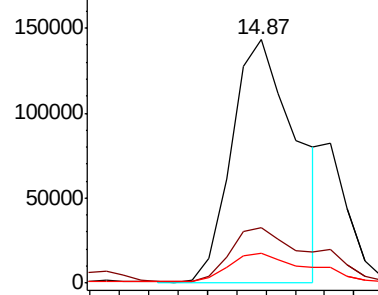


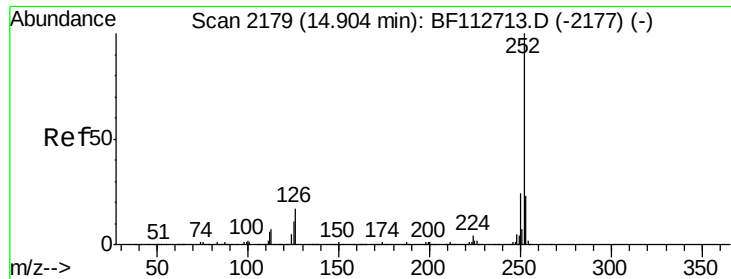
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





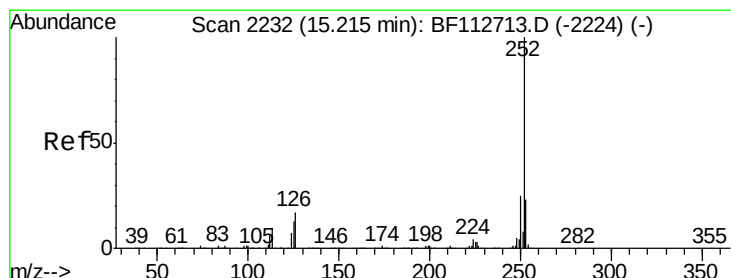
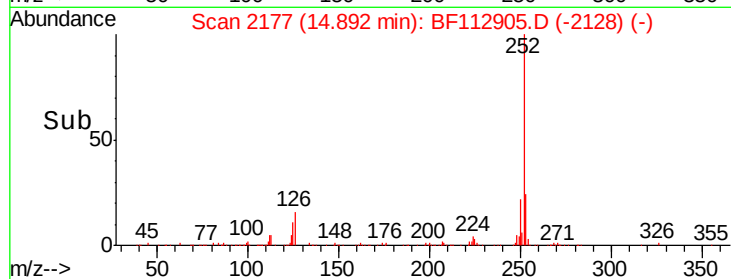
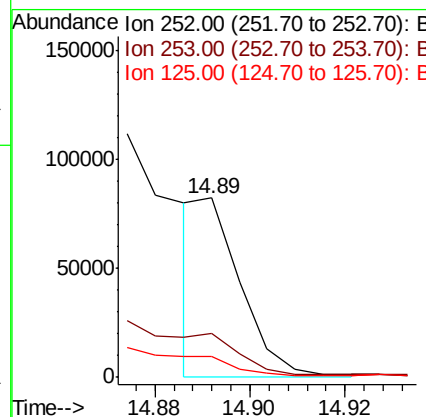
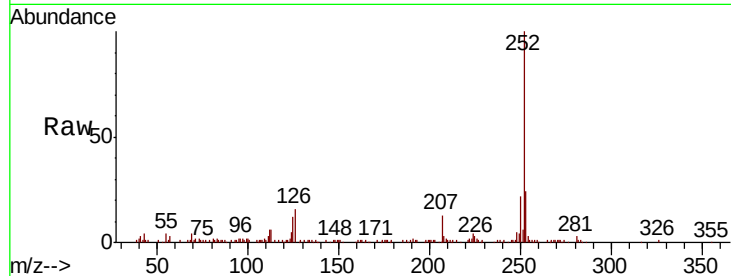
#89
Benzo(k)fluoranthene
Concen: 2.604 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW011-022719

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	11.7	9.8	14.6

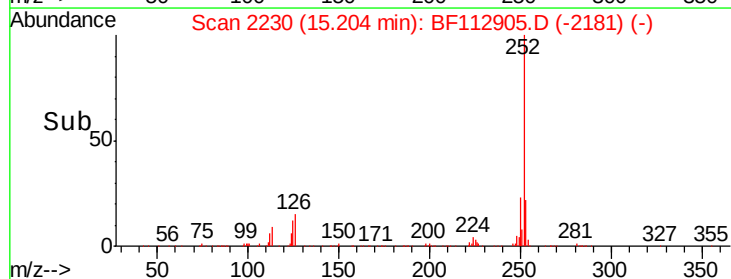
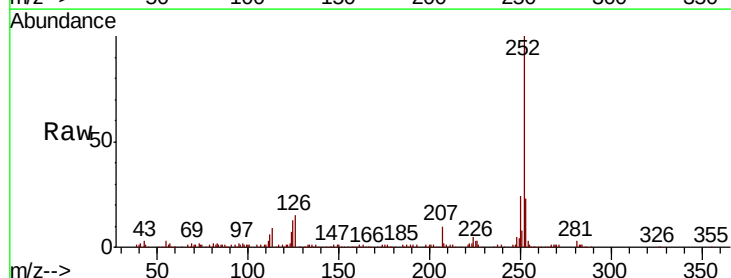
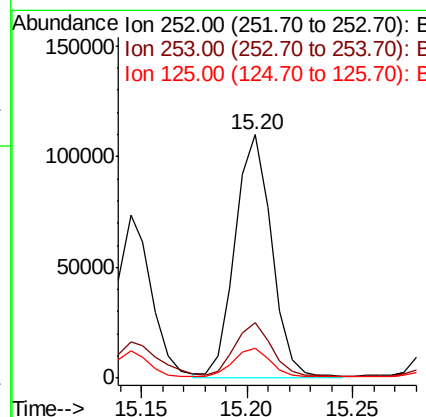
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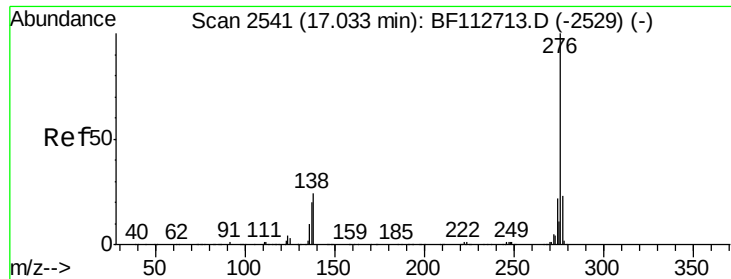
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#90
Benzo(a)pyrene
Concen: 6.785 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF112905.D
Acq: 7 Mar 2019 2:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	12.5	10.7	16.1





#92

Benzo(a,h,i)perylene

Concen: 2.905 ng

RT: 17.02 min Scan# 2538

Delta R.T. -0.02 min

Lab File: BF112905.D

Acq: 7 Mar 2019 2:32

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW011-022719

Tot Ion:	276	Resp:	48054
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.6	27.8
138	23.0	19.4	29.0

Manual Integrations
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