

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
 Data File : BF112904.D
 Acq On : 7 Mar 2019 2:05
 Operator : JU/SJ
 Sample : K1705-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW010-022719

Manual Integrations
 APPROVED

Sohil
 3/7/2019 11:02:52 AM

Quant Time: Mar 07 05:37:56 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	205390	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	746976	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	317899	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	568013	20.00	ng	0.00
76) Chrysene-d12	13.86	240	566013	20.00	ng	-0.01
87) Perylene-d12	15.26	264	552109	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	987901	74.82	ng	0.00
7) Phenol-d6	6.36	99	1241447	74.85	ng	0.00
23) Nitrobenzene-d5	7.29	82	731149	58.57	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	291704	86.43	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1177531	56.10	ng	-0.01
79) Terphenyl-d14	12.82	244	1044868	35.78	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.48	163	94565	4.034	ng	100
71) Phenanthrene	11.26	178	201359	7.125	ng	98
75) Fluoranthene	12.44	202	274253	9.058	ng	95
78) Pyrene	12.67	202	229086	4.801	ng	97
81) Benzo(a)anthracene	13.85	228	109967	2.803	ng	97
83) Chrysene	13.89	228	114546	2.981	ng	96
88) Benzo(b)fluoranthene	14.87	252	140514m	3.935	ng	
90) Benzo(a)pyrene	15.20	252	87264	2.763	ng	98

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

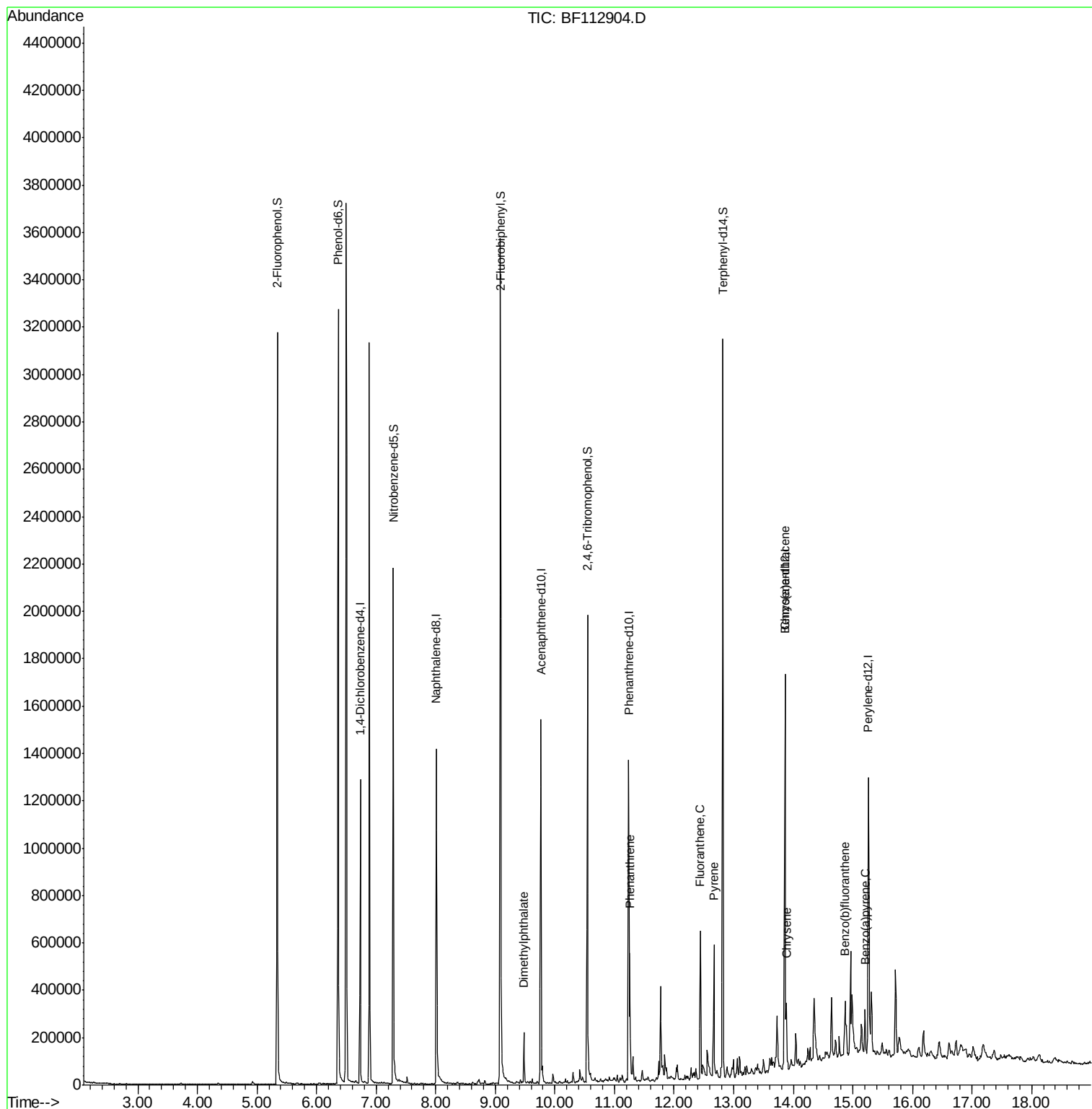
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112904.D
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Operator : JU/SJ
Sample : K1705-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

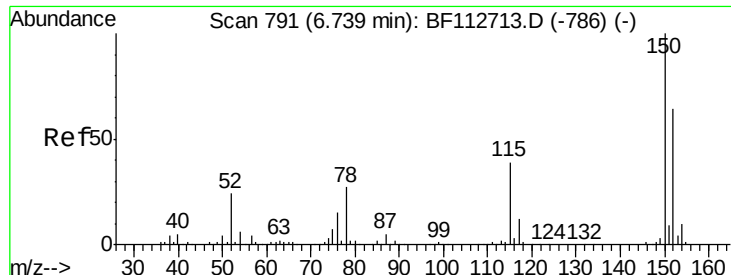
Instrument :
BNA_F
ClientSampleId :
EXT-028-SW010-022719

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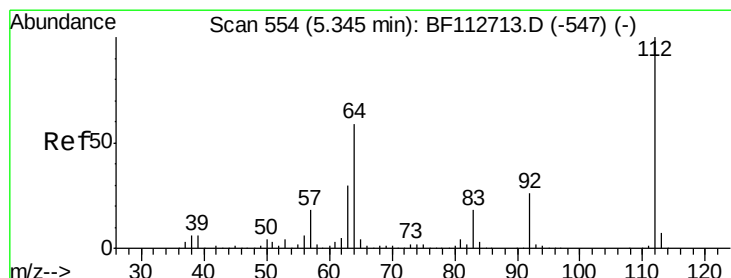
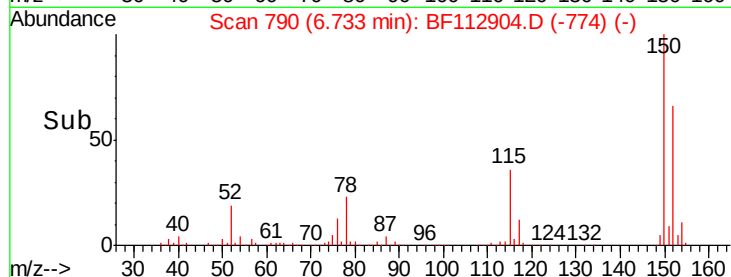
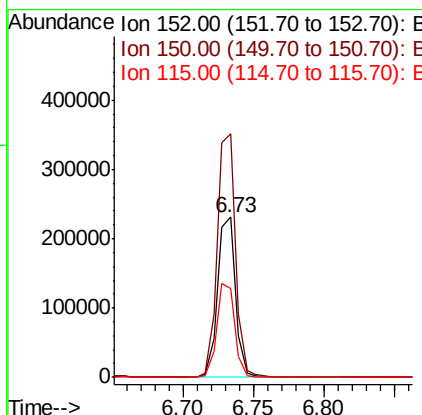
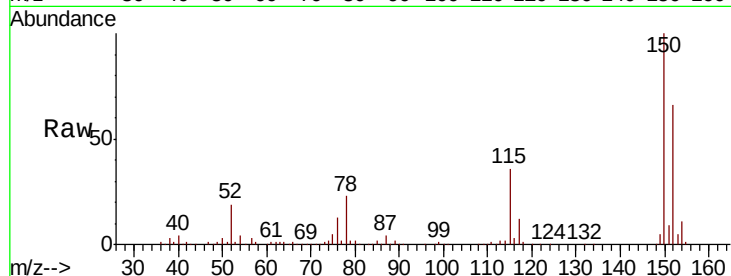
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF112904.D
 Acq: 7 Mar 2019 2:05

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW010-022719

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	124.2	186.2
115	55.1	48.2	72.4

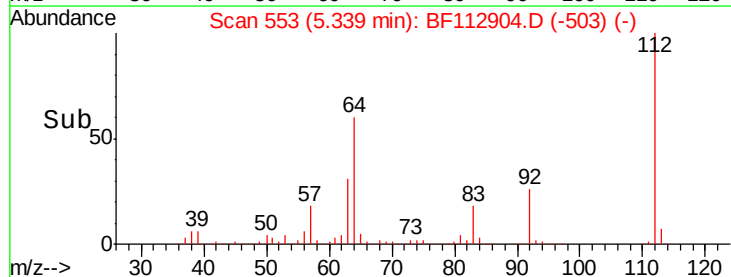
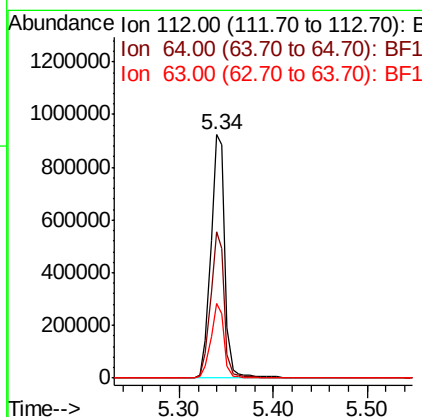
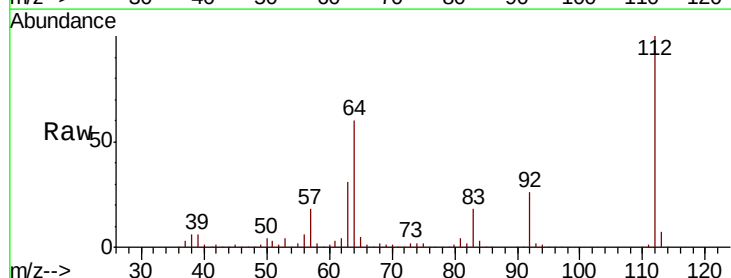
Manual Integrations
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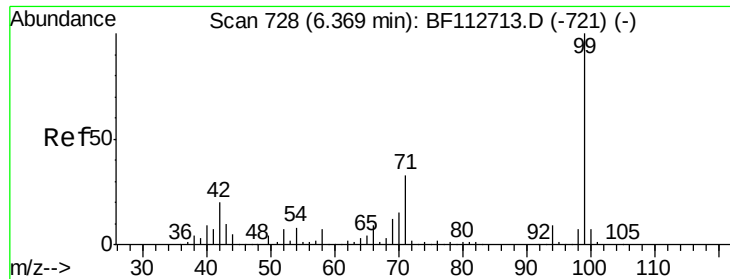
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#5
 2-Fluorophenol
 Concen: 74.820 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF112904.D
 Acq: 7 Mar 2019 2:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.6	71.4
63	30.8	24.4	36.6





#7

Phenol-d6

Concen: 74.849 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112904.D

Acq: 7 Mar 2019 2:05

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW010-022719

Tot Ion: 99 Resp: 1241447

Ion Ratio Lower Upper

99 100

42 18.3 16.3 24.5

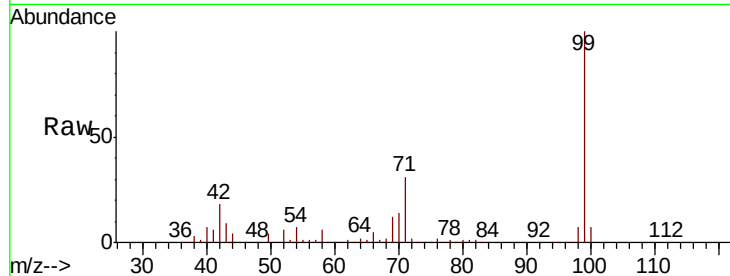
71 31.3 26.2 39.4

Manual Integrations

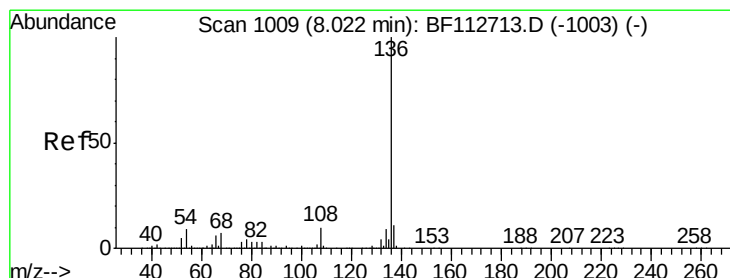
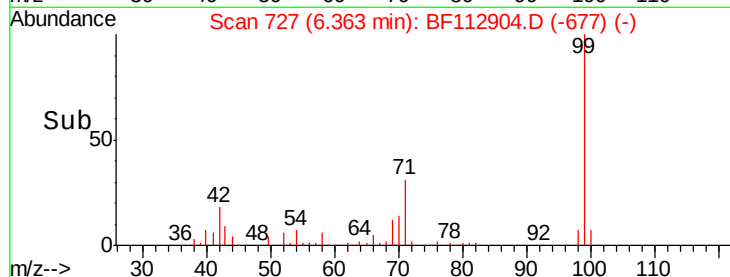
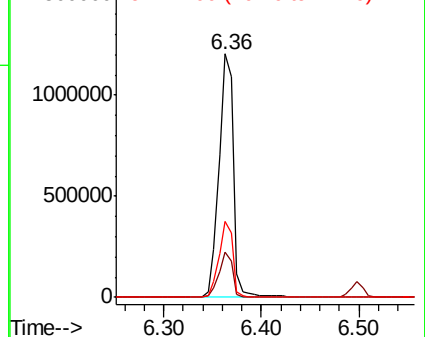
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF112904.D

Acq: 7 Mar 2019 2:05

Tgt Ion: 136 Resp: 746976

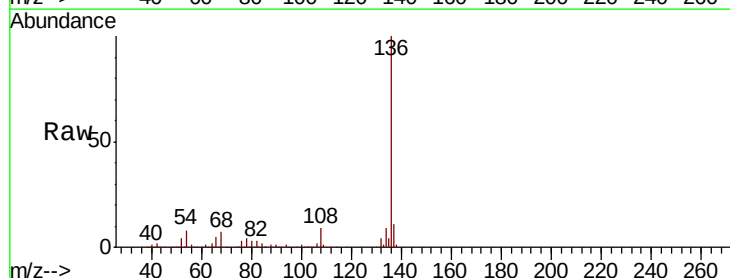
Ion Ratio Lower Upper

136 100

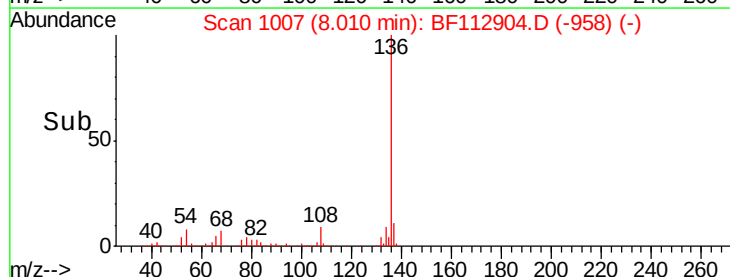
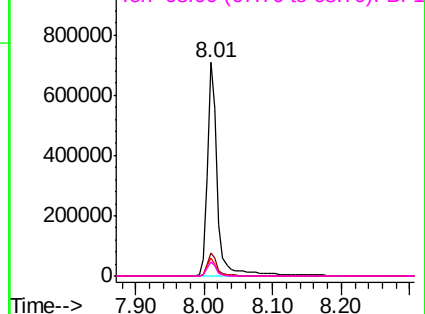
137 11.0 8.9 13.3

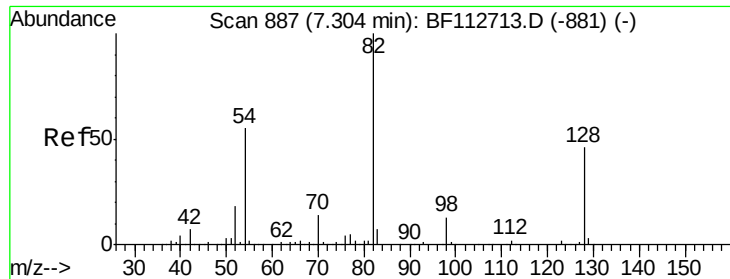
54 8.4 7.3 10.9

68 6.9 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





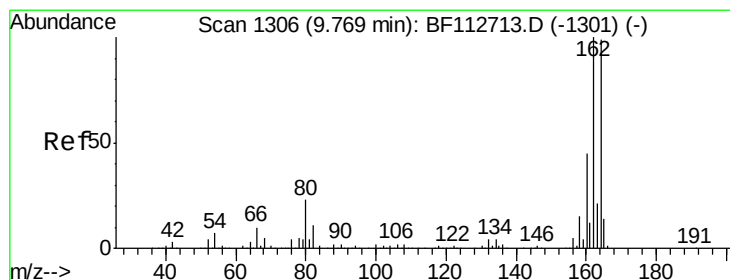
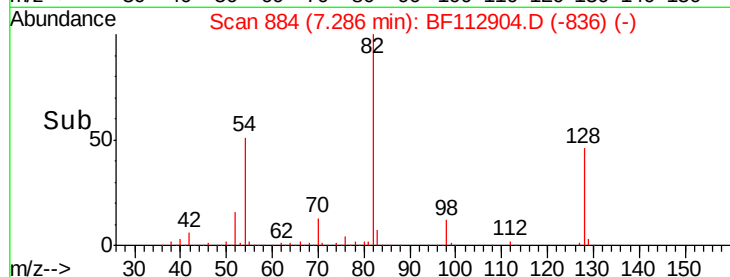
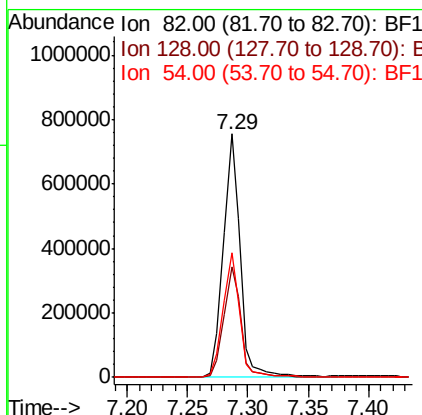
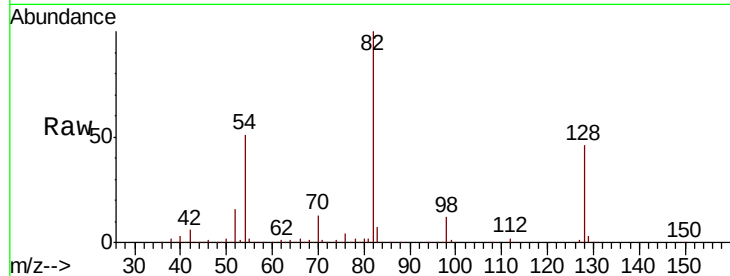
#23
Nitrobenzene-d5
Concen: 58.570 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW010-022719

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.3	54.5
54	51.0	43.7	65.5

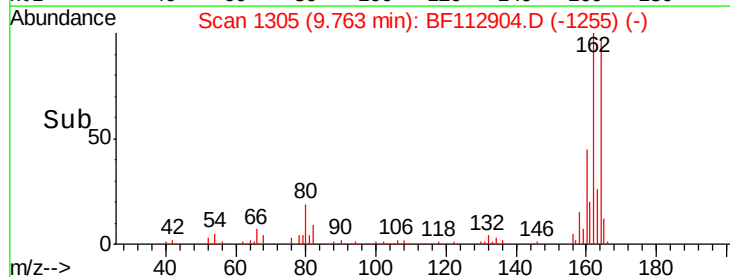
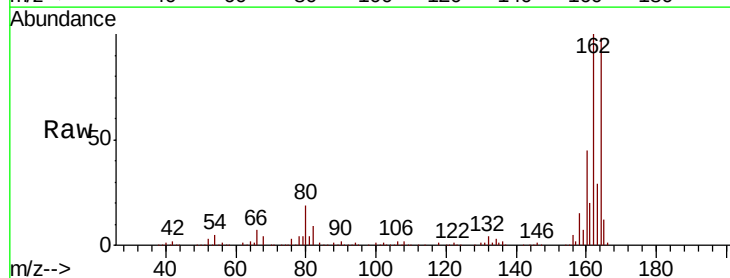
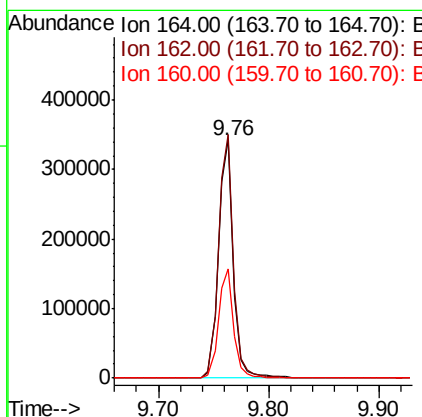
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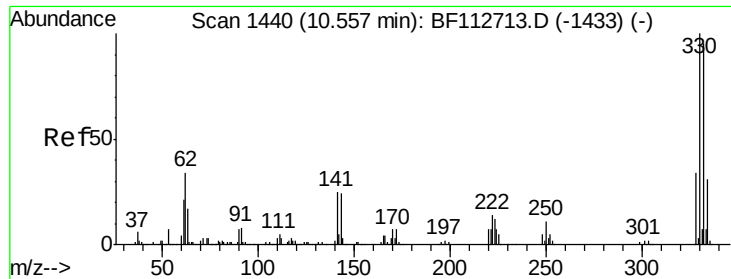
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.6	120.8
160	45.9	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 86.433 ng

RT: 10.54 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF112904.D

Acq: 7 Mar 2019 2:05

Instrument :

BNA_F

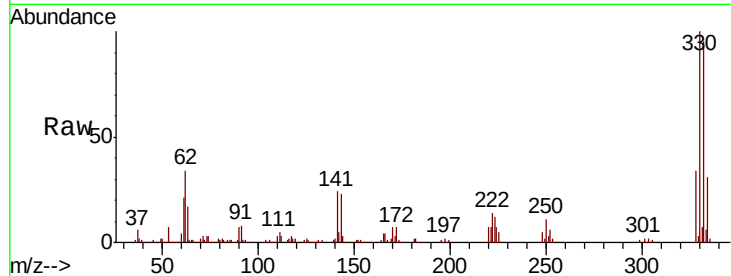
ClientSampleId :

EXT-028-SW010-022719

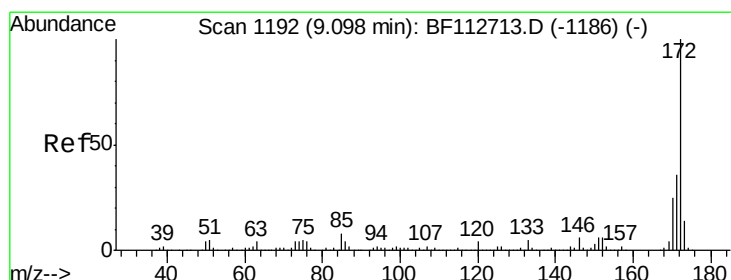
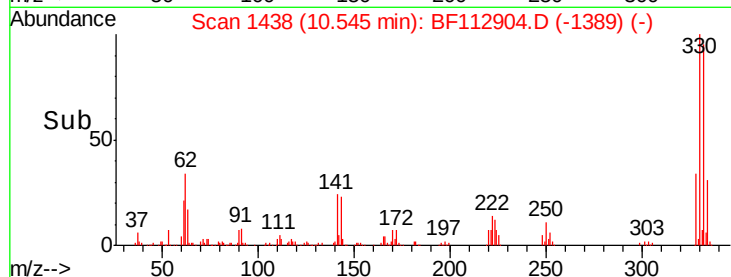
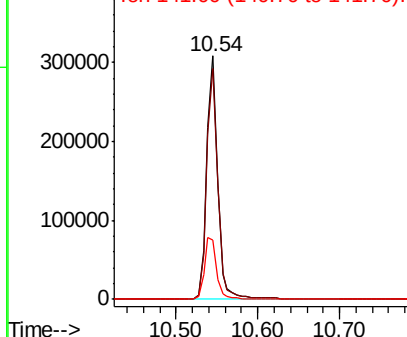
Tot Ion:	330	Resp:	291704
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.2	114.4
141	28.2	27.0	40.6

Manual Integrations
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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: 56.095 ng

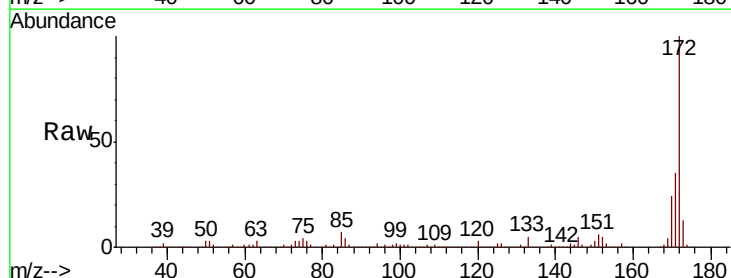
RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

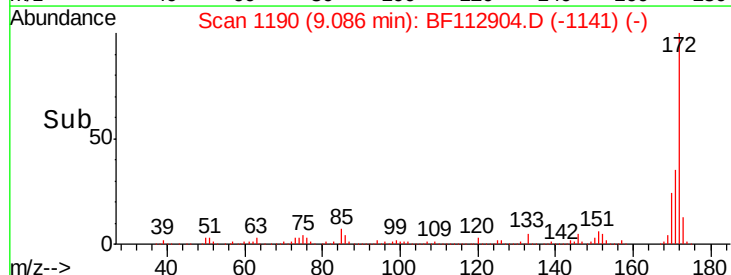
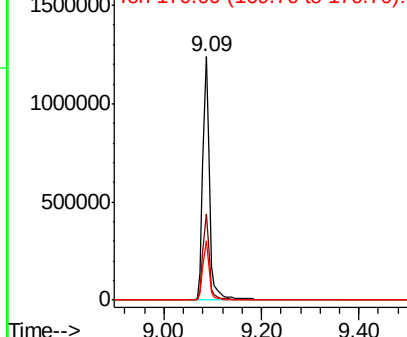
Lab File: BF112904.D

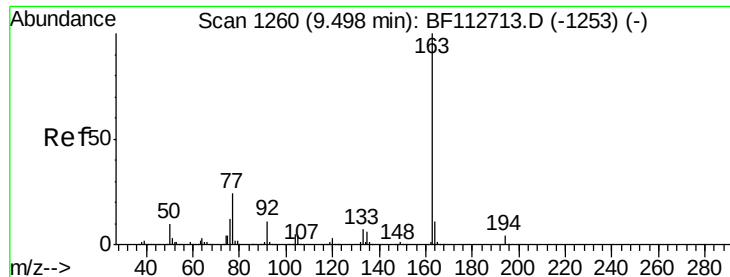
Acq: 7 Mar 2019 2:05

Tgt Ion:	172	Resp:	1177531
Ion Ratio	Lower	Upper	
172	100		
171	35.4	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





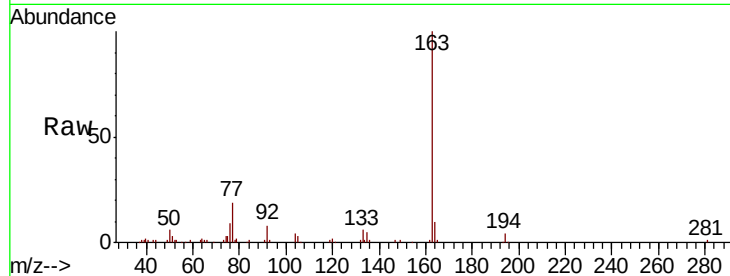
#50
Dimethylphthalate
Concen: 4.034 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW010-022719

Tot Ion	Ratio	Resp	Lower	Upper
163	100	94565		
194	3.9		3.0	4.4
164	10.4		8.4	12.6

Manual Integrations
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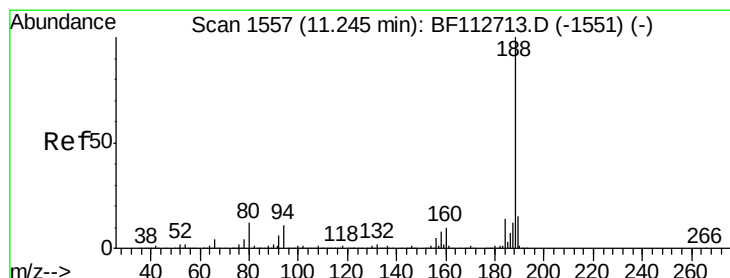
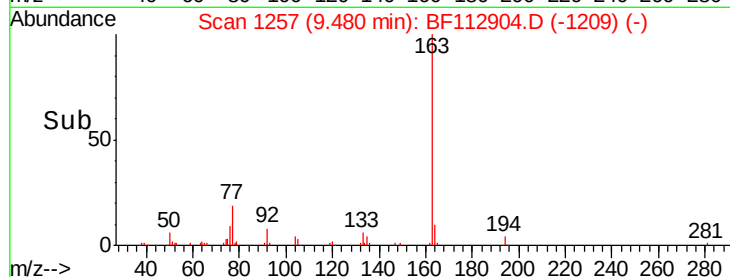
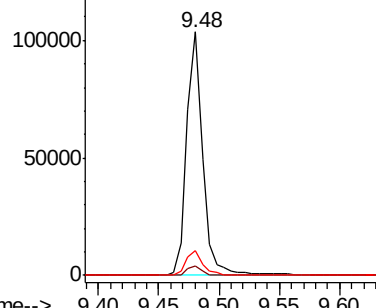


Abundance

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



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

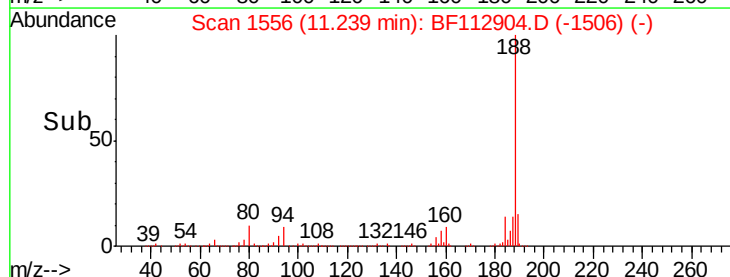
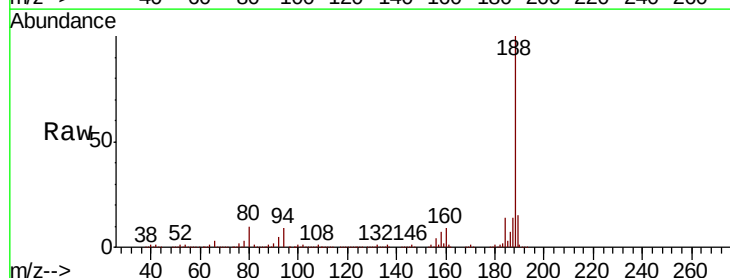
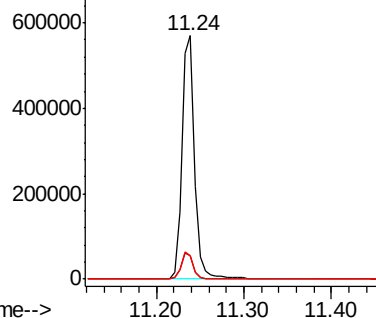
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	568013		
94	9.5		9.0	13.4
80	9.6		9.2	13.8

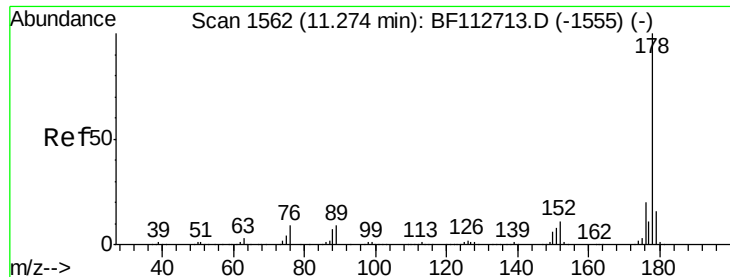
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





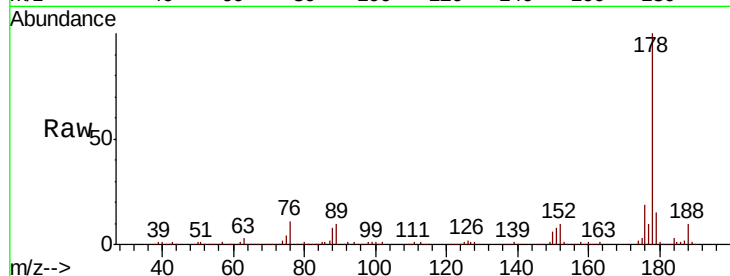
#71
Phenanthrene
Concen: 7.125 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW010-022719

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.3	24.5
179	15.3	12.7	19.1

Manual Integrations
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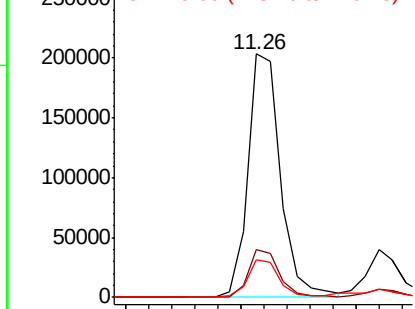


Abundance

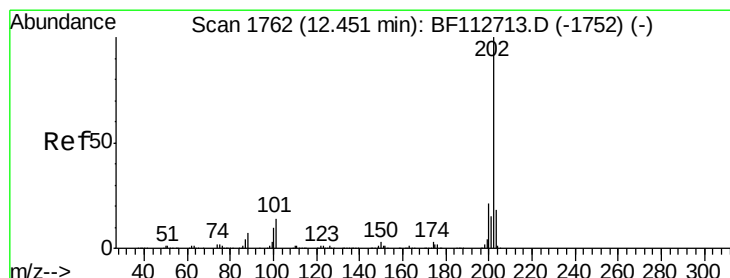
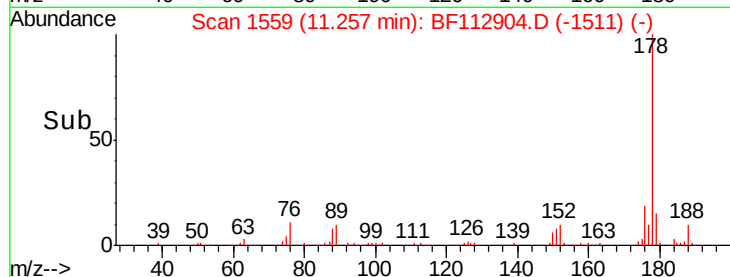
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#75
Fluoranthene
Concen: 9.058 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

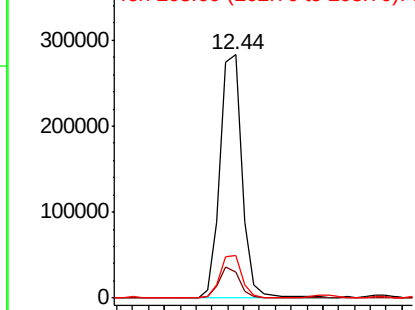
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	33.8
203	17.3	0.0	38.4

Abundance

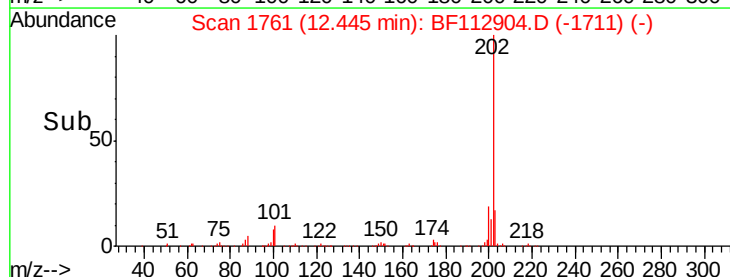
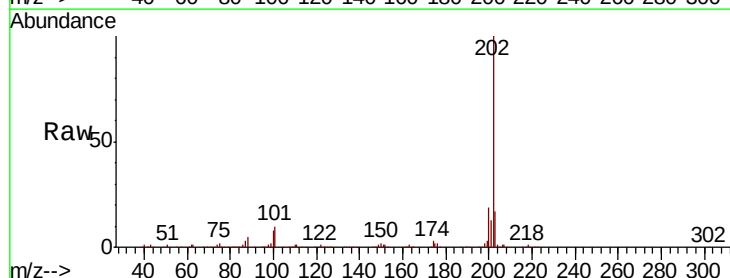
Ion 202.00 (201.70 to 202.70): E

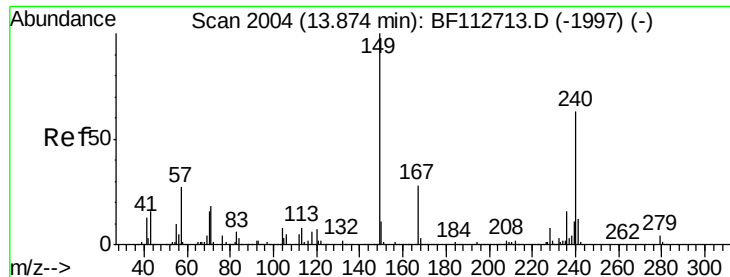
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





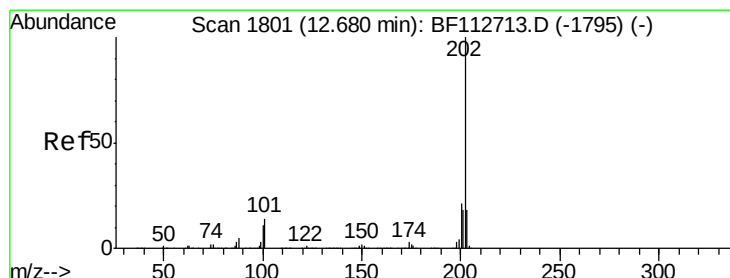
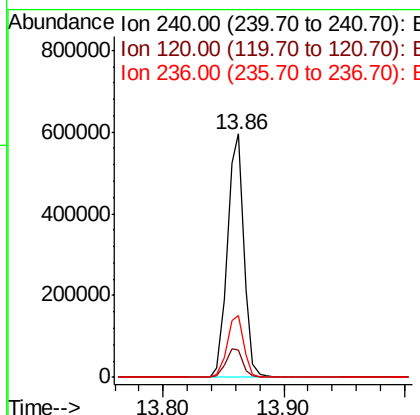
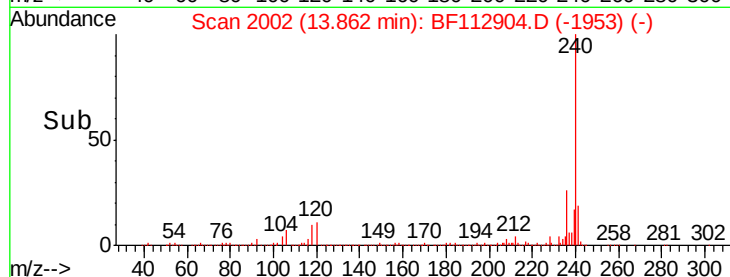
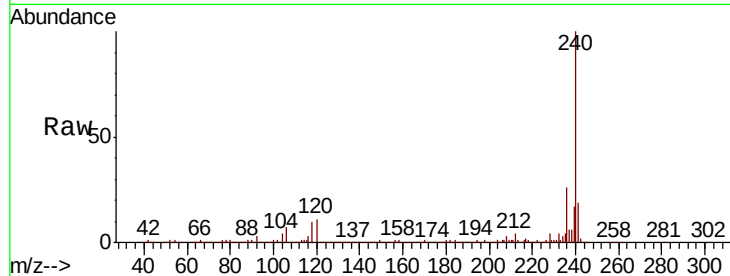
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF112904.D
 Acq: 7 Mar 2019 2:05

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW010-022719

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	11.0	8.9	13.3
236	25.5	20.7	31.1

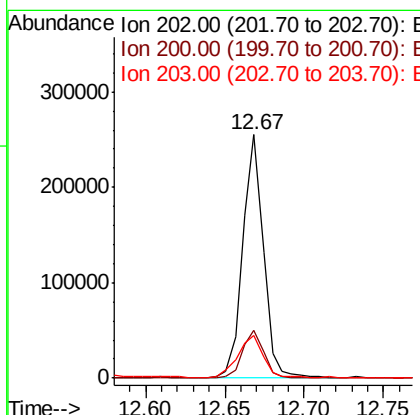
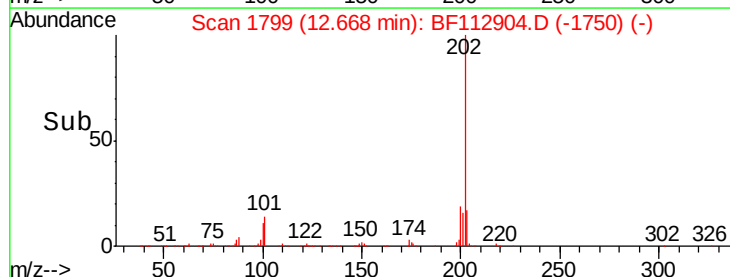
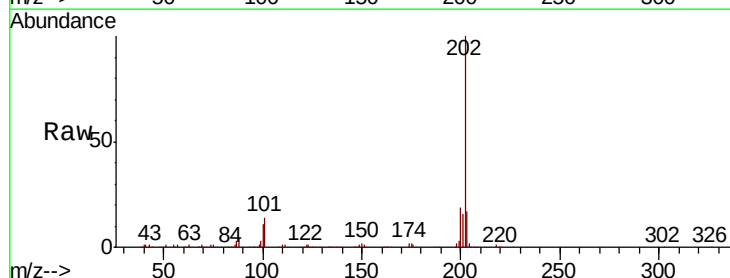
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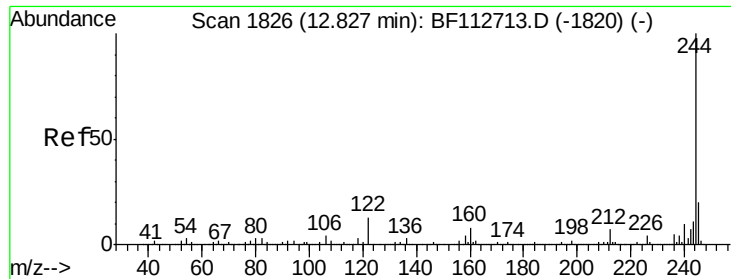
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#78
 Pyrene
 Concen: 4.801 ng
 RT: 12.67 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: BF112904.D
 Acq: 7 Mar 2019 2:05

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	19.5	17.0	25.4
203	17.3	14.4	21.6





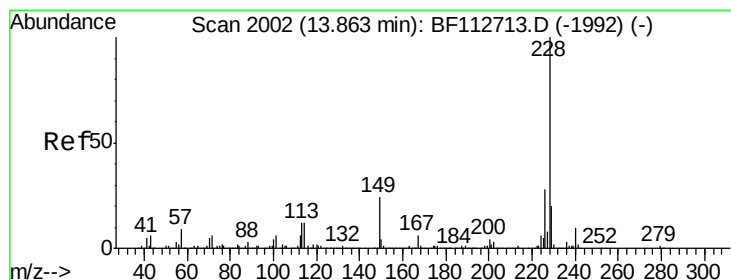
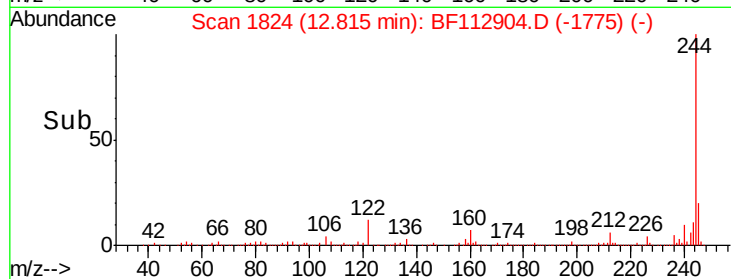
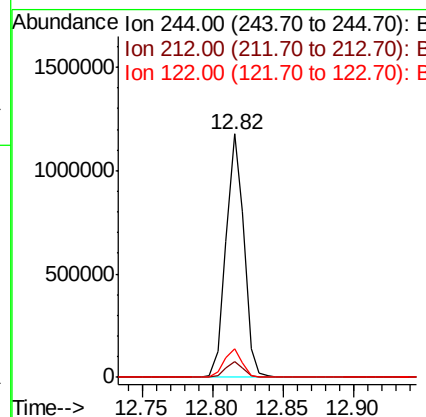
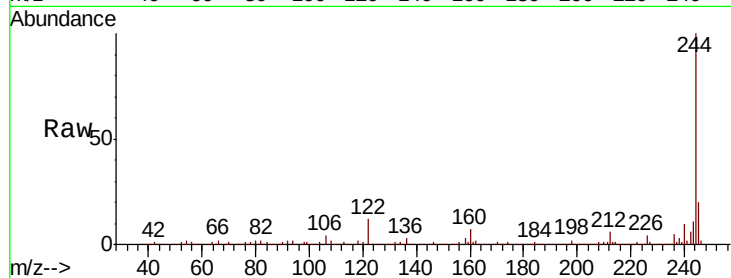
#79
 Terphenyl-d14
 Concen: 35.785 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112904.D
 Acq: 7 Mar 2019 2:05

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW010-022719

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.6	8.4
122	11.8	10.5	15.7

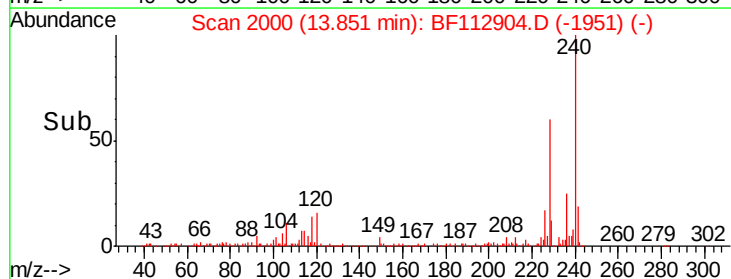
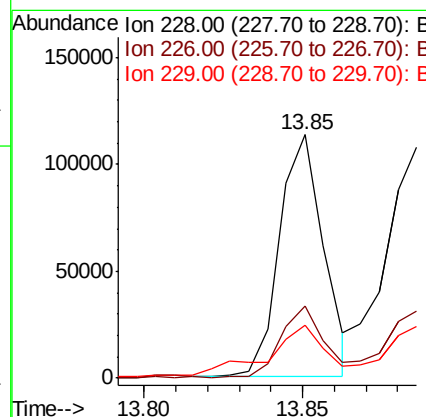
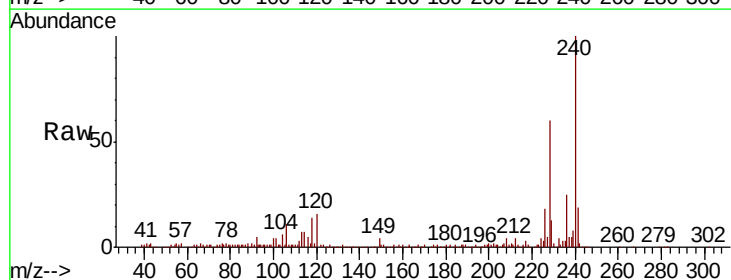
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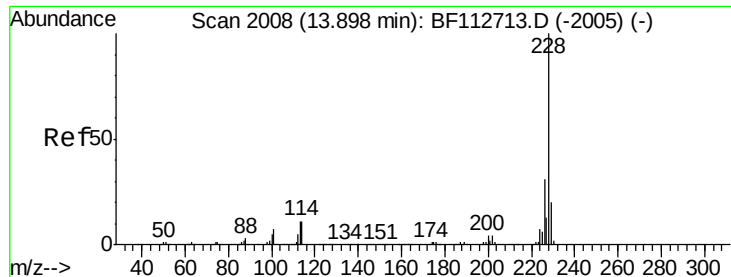
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#81
 Benzo(a)anthracene
 Concen: 2.803 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF112904.D
 Acq: 7 Mar 2019 2:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.2	33.4
229	21.5	16.0	24.0





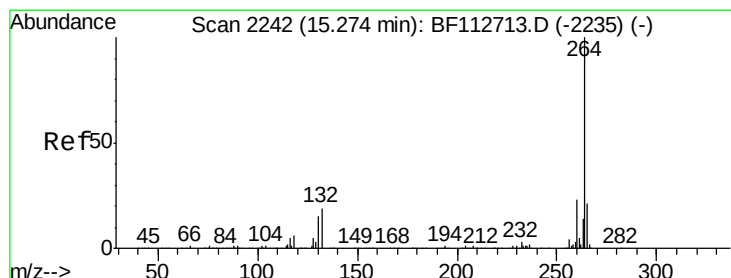
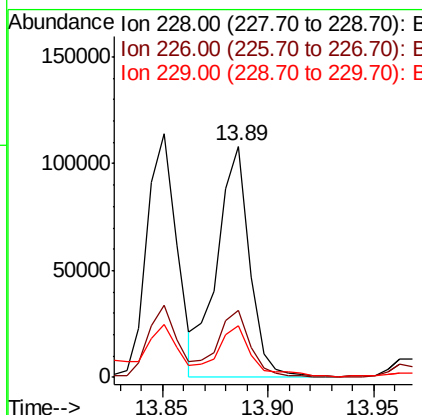
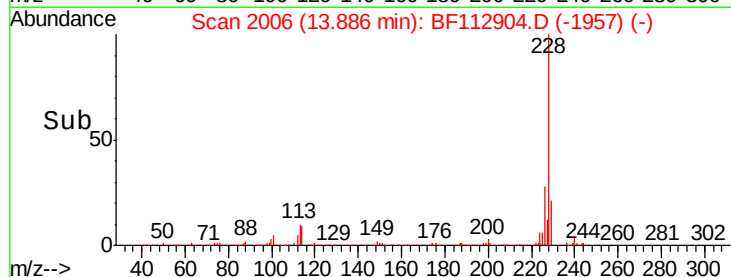
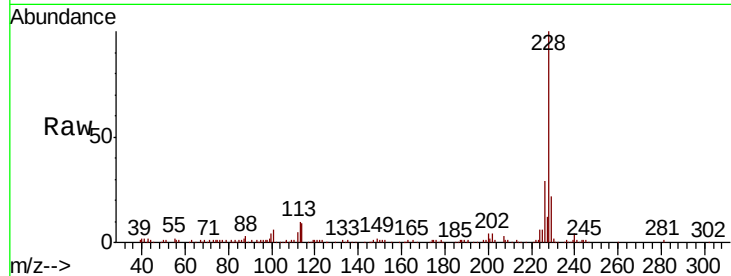
#83
Chrysene
Concen: 2.981 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW010-022719

Tot Ion:	228	Resp:	114546
Ion Ratio	Lower	Upper	
228	100		
226	28.8	24.9	37.3
229	22.1	16.3	24.5

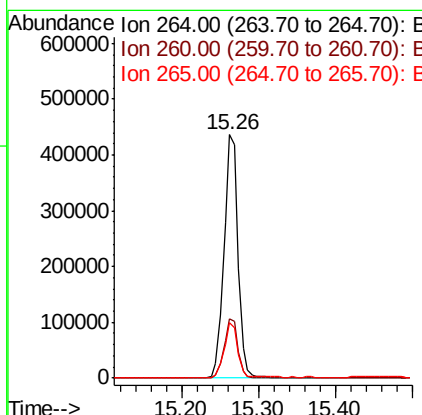
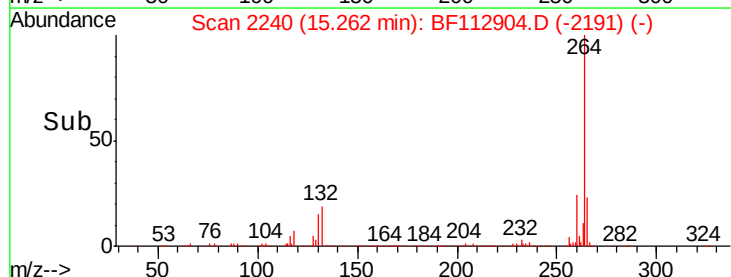
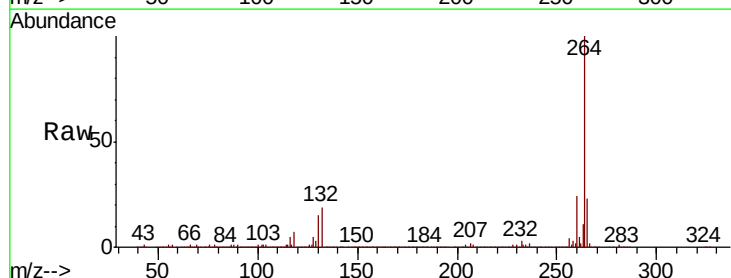
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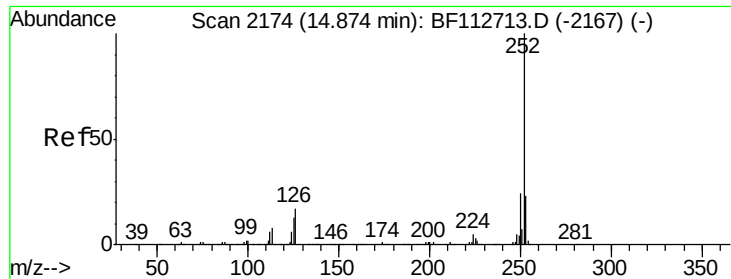
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Tgt Ion:	264	Resp:	552109
Ion Ratio	Lower	Upper	
264	100		
260	24.3	18.7	28.1
265	22.7	17.2	25.8





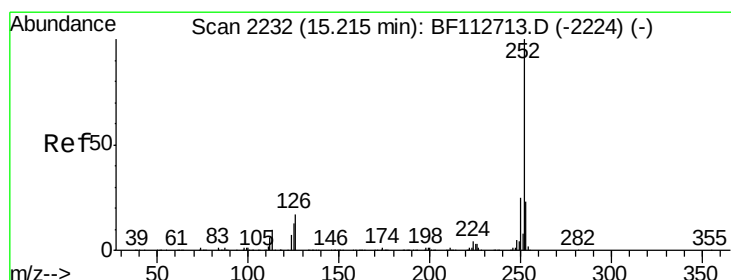
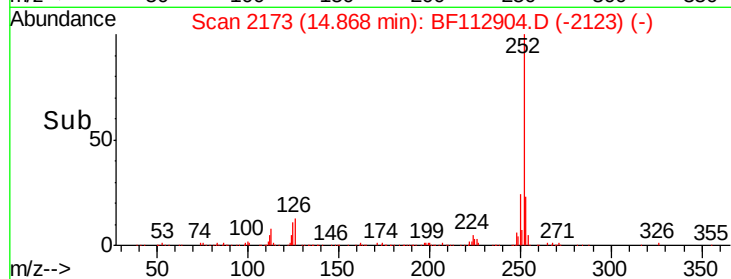
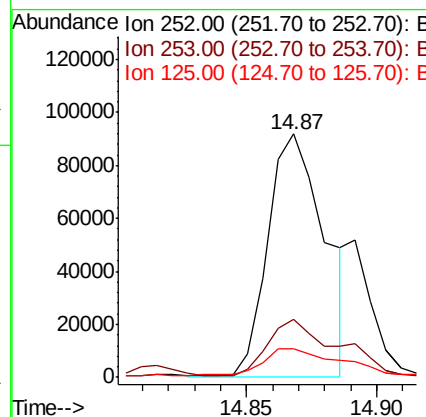
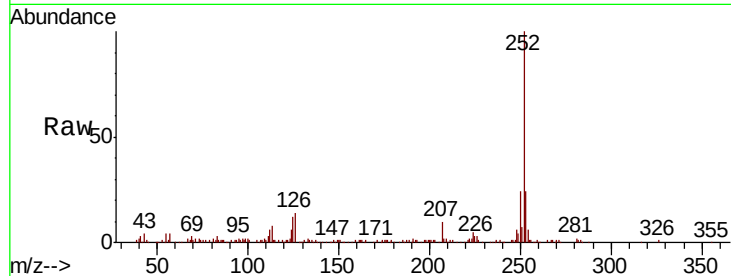
#88
Benzo(b)fluoranthene
Concen: 3.935 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW010-022719

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	11.8	10.2	15.2

Manual Integrations
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#90
Benzo(a)pyrene
Concen: 2.763 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF112904.D
Acq: 7 Mar 2019 2:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	12.0	10.7	16.1

