

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
 Data File : BF118151.D
 Acq On : 9 Dec 2019 18:25
 Operator : JU
 Sample : K6187-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RPC-PT-01

Manual Integrations
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 12/10/2019 11:50:19 AM

Quant Time: Dec 10 01:33:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	106499	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	407923	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	201467	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	334829	20.00	ng	0.00
76) Chrysene-d12	14.06	240	214298	20.00	ng	-0.01
87) Perylene-d12	15.55	264	286900	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	555942	91.43	ng	0.00
7) Phenol-d6	6.50	99	691038	93.96	ng	0.00
23) Nitrobenzene-d5	7.43	82	420651	58.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	203490	83.14	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	836956	63.21	ng	0.00
79) Terphenyl-d14	13.00	244	702679	56.39	ng	0.00
Target Compounds						
10) Phenol	6.51	94	37827	4.510	ng	Qvalue 100
50) Dimethylphthalate	9.63	163	53331	3.584	ng	99
71) Phenanthrene	11.43	178	240290	13.500	ng	99
72) Anthracene	11.48	178	45573	2.567	ng	97
75) Fluoranthene	12.63	202	284594	15.639	ng	99
78) Pyrene	12.86	202	229774	13.606	ng	96
81) Benzo(a)anthracene	14.04	228	122009	8.234	ng	95
83) Chrysene	14.08	228	104677	7.395	ng	98
86) Indeno(1,2,3-cd)pyrene	17.04	276	79056	6.638	ng	98
88) Benzo(b)fluoranthene	15.11	252	161882m	8.531	ng	
89) Benzo(k)fluoranthene	15.13	252	52965m	2.906	ng	
90) Benzo(a)pyrene	15.48	252	104160	6.215	ng	96
92) Benzo(a,h,i)perylene	17.50	276	70493	5.104	ng	100

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

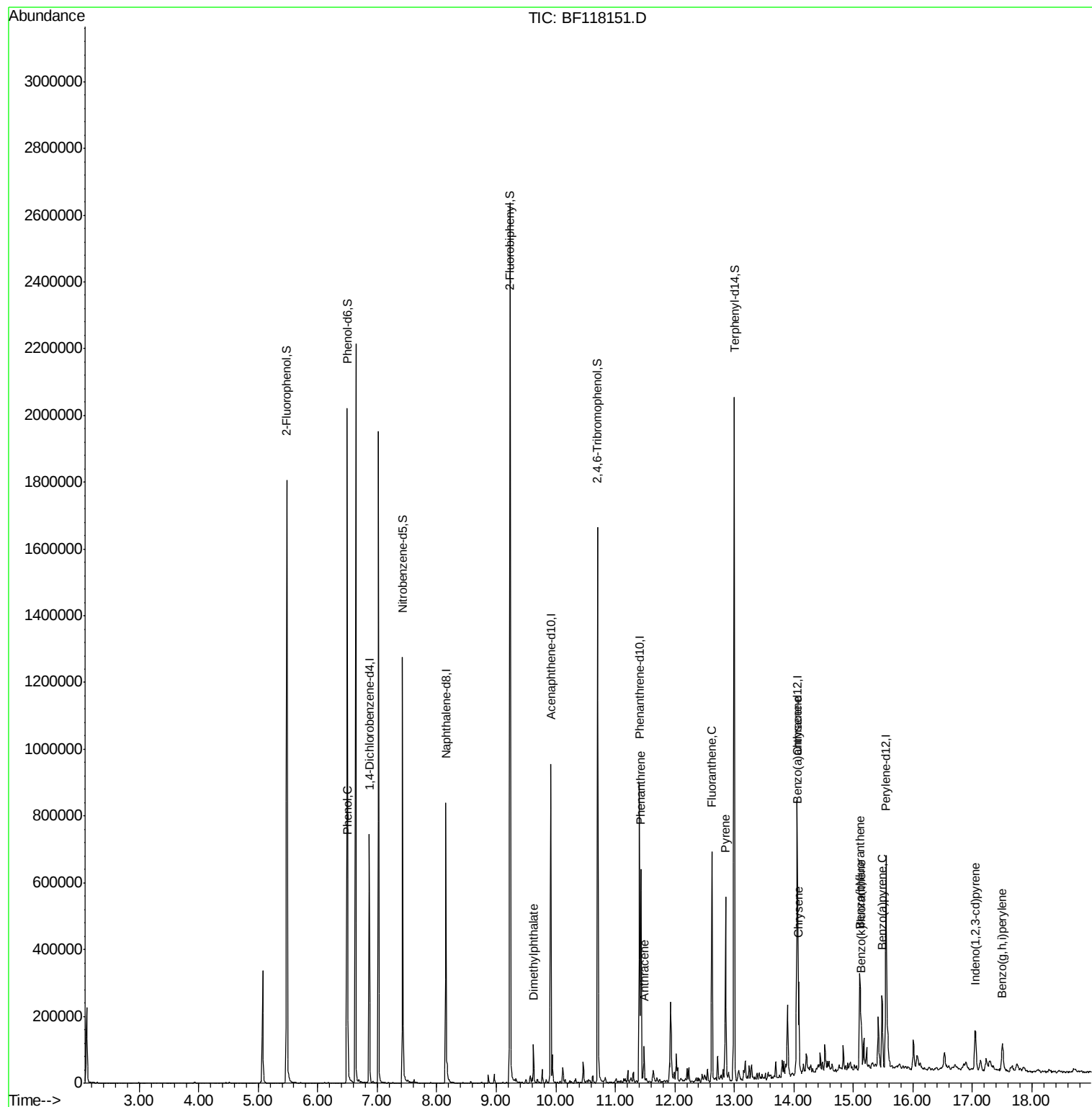
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
Data File : BF118151.D
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Sample : K6187-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

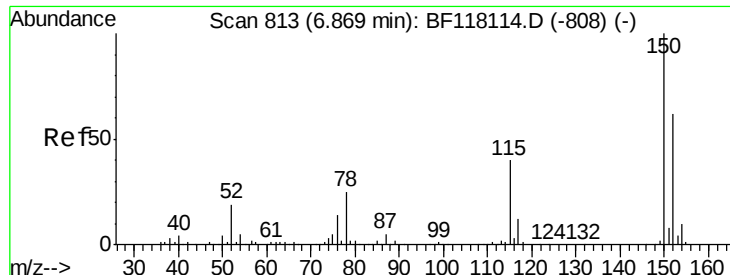
Instrument :
BNA_F
ClientSampleId :
RPC-PT-01

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#1

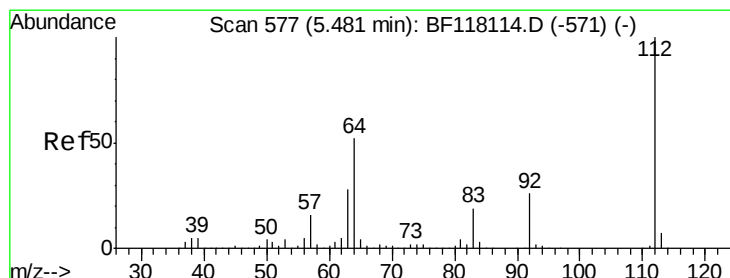
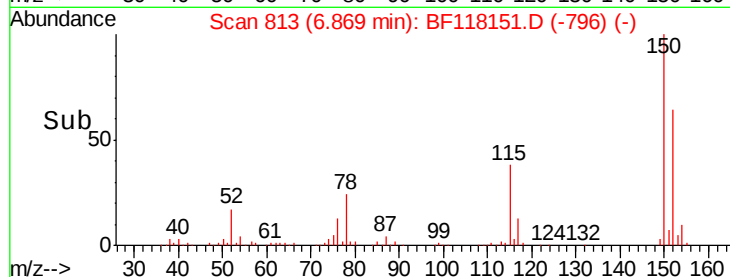
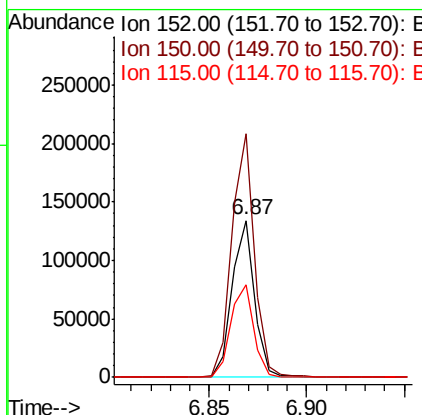
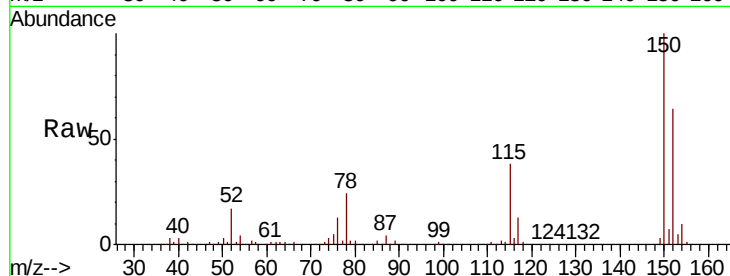
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Instrument :
BNA_F
ClientSampleId :
RPC-PT-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	128.3	192.5
115	59.2	51.1	76.7

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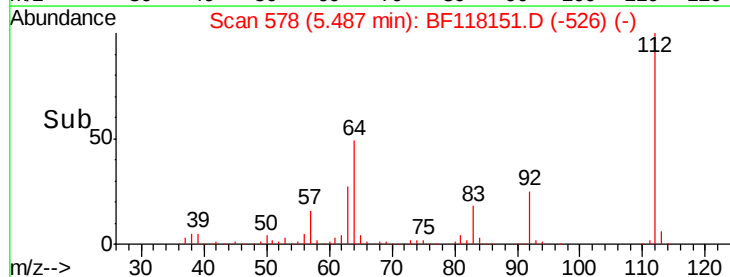
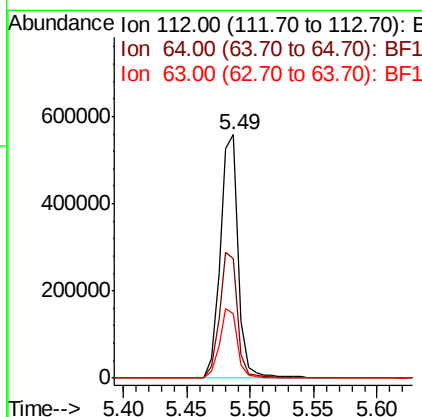
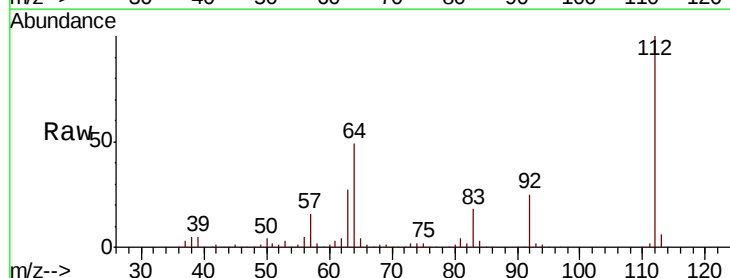
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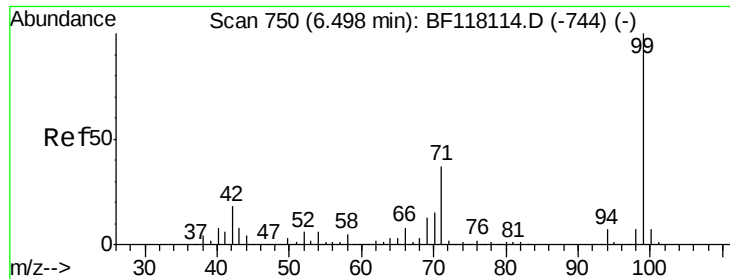


#5

2-Fluorophenol
Concen: 91.429 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.9	41.3	61.9
63	26.6	22.4	33.6





#7

Phenol-d6

Concen: 93.960 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

Instrument :

BNA_F

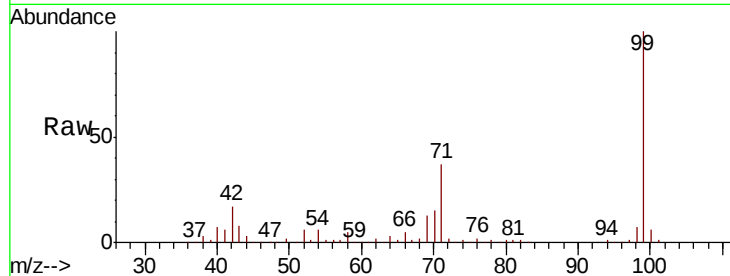
ClientSampleId :

RPC-PT-01

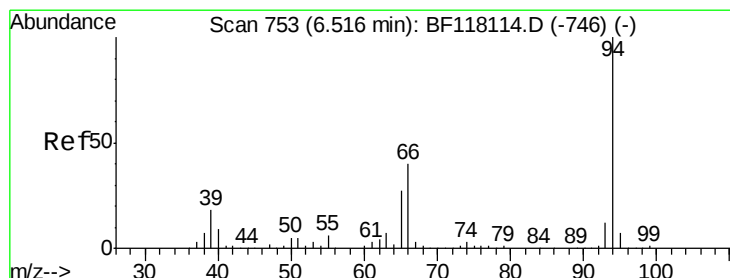
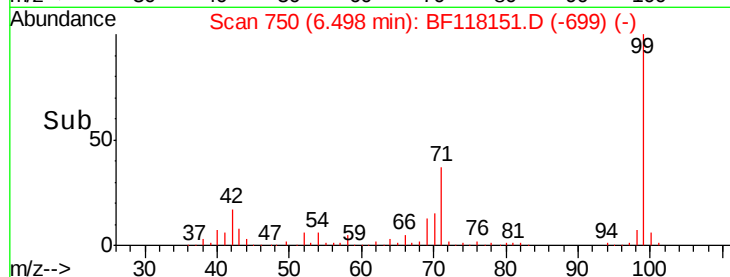
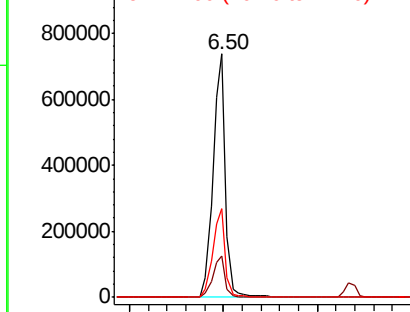
Tot Ion:	99	Resp:	691038
Ion Ratio	Lower	Upper	
99	100		
42	17.1	14.1	21.1
71	36.5	29.7	44.5

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



#10

Phenol

Concen: 4.510 ng

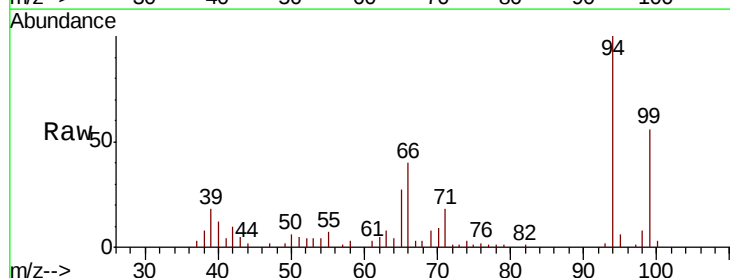
RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

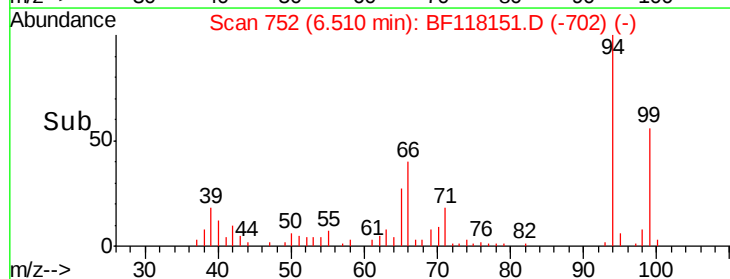
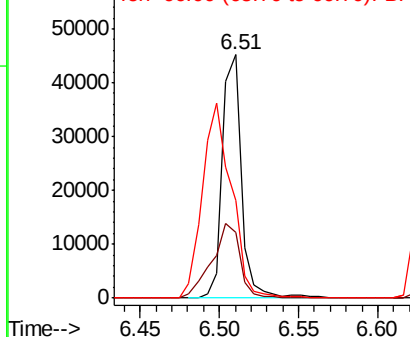
Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

Tgt Ion:	94	Resp:	37827
Ion Ratio	Lower	Upper	
94	100		
65	26.8	7.3	47.3
66	40.1	20.2	60.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

Instrument :

BNA_F

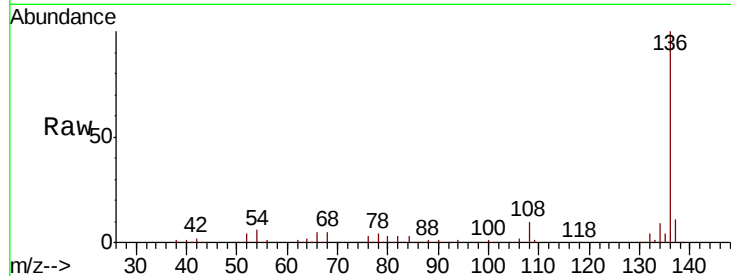
ClientSampleId :

RPC-PT-01

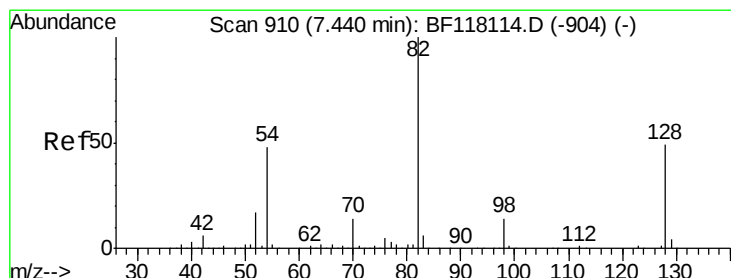
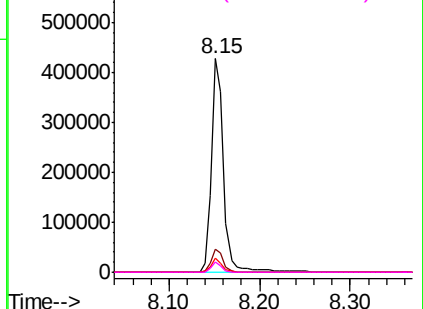
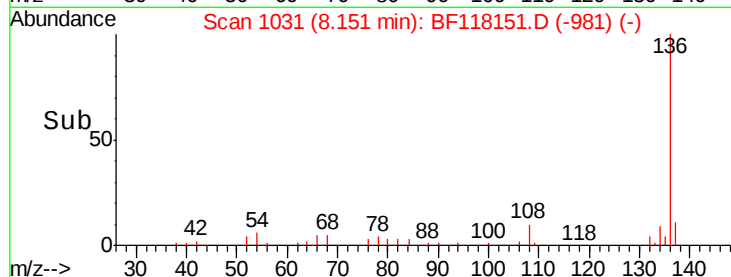
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		407923		
137	11.0	9.0	13.6		
54	6.5	5.0	7.6		
68	4.9	3.8	5.8		

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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: 58.013 ng

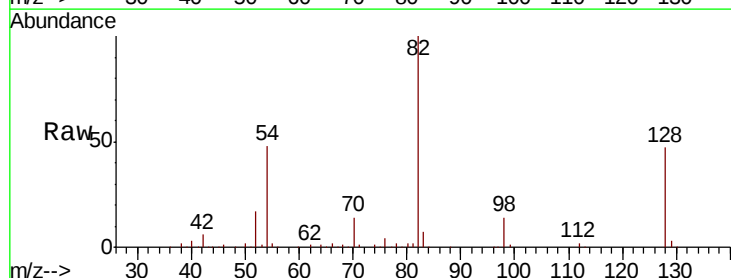
RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

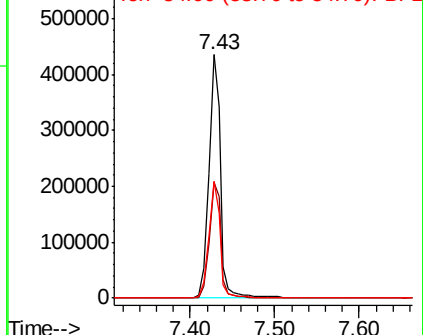
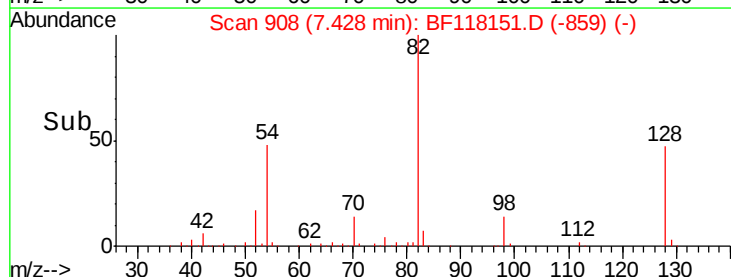
Lab File: BF118151.D

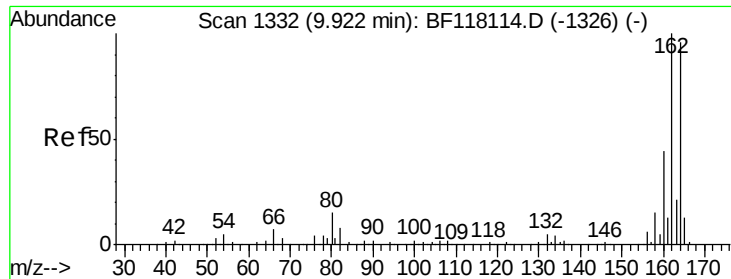
Acq: 9 Dec 2019 18:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		420651		
128	47.4	39.1	58.7		
54	48.3	38.2	57.2		



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





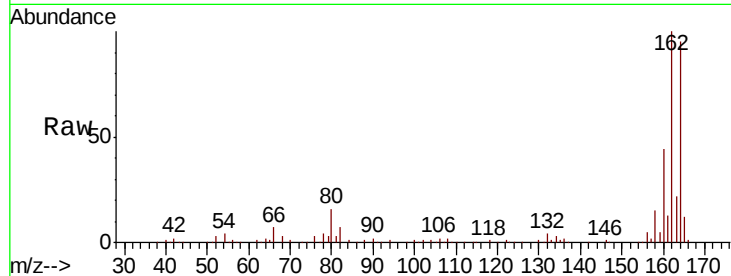
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Instrument :
BNA_F
ClientSampleId :
RPC-PT-01

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.9	83.4	125.0
160	46.6	36.6	54.8

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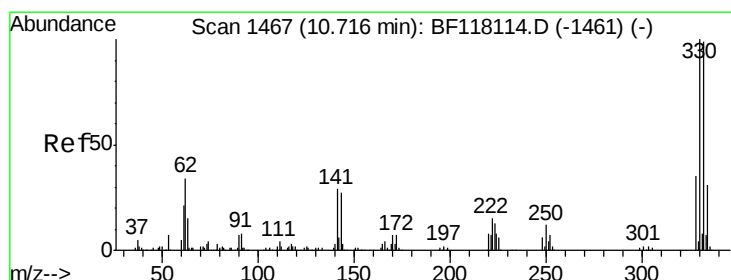
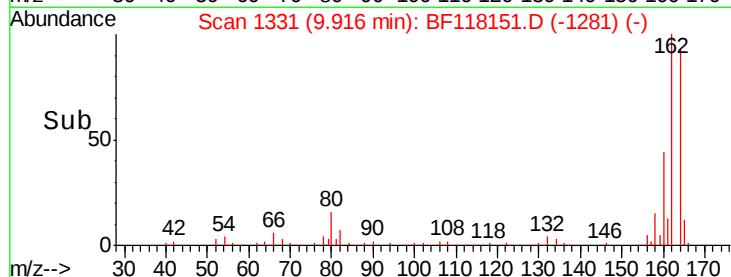
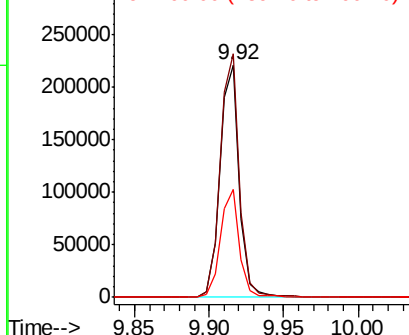


Abundance

Ion 164.00 (163.70 to 164.70): E

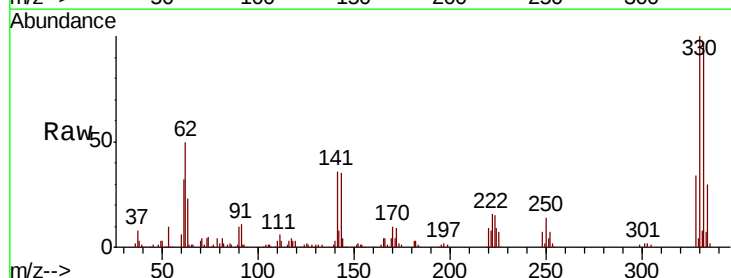
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 83.143 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.1	117.1
141	33.1	26.9	40.3

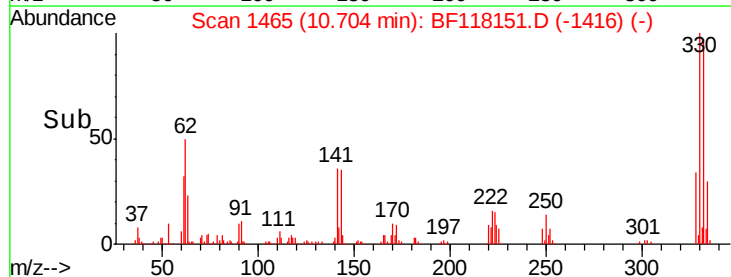
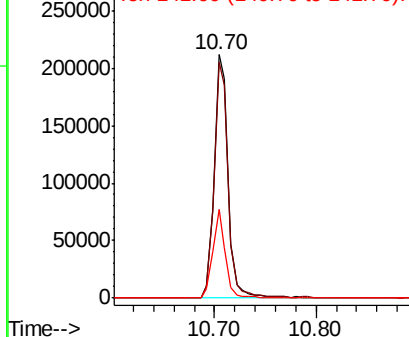


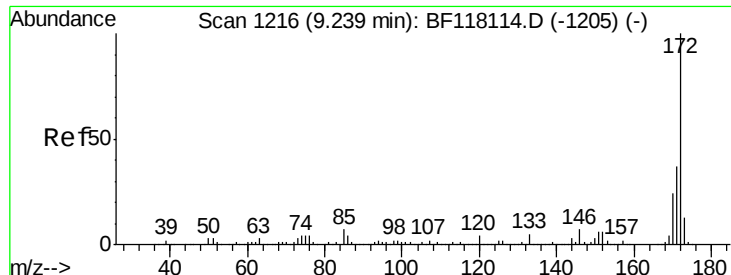
Abundance

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





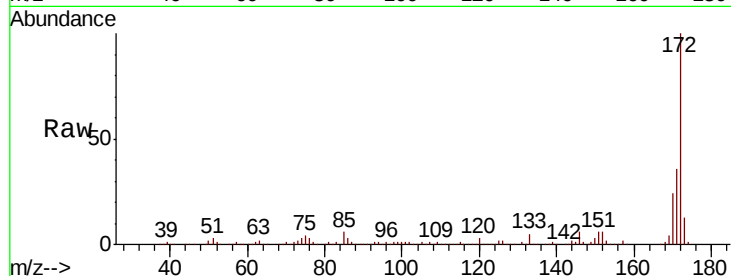
#45
2-Fluorobiphenyl
Concen: 63.214 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Instrument :
BNA_F
ClientSampleId :
RPC-PT-01

Tot Ion	Ratio	Resp	Lower	Upper
172	100	836956		
171	36.2		29.2	43.8
170	23.9		19.4	29.2

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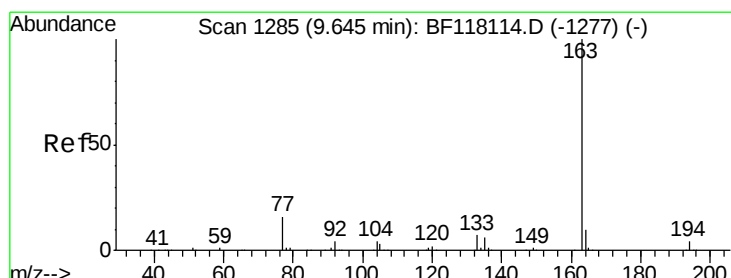
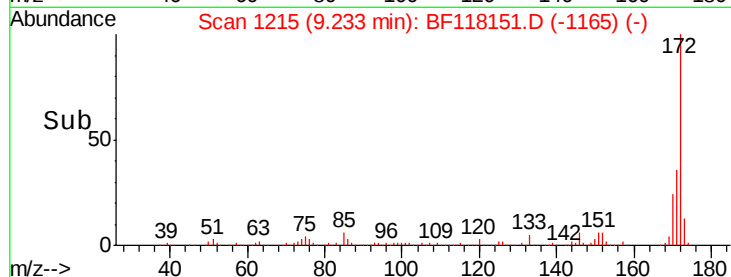
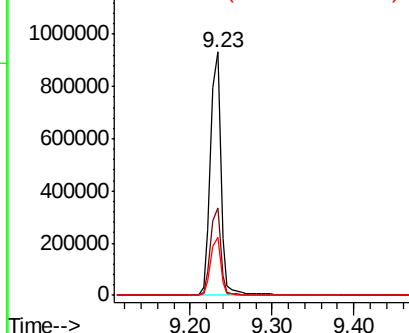


Abundance

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: 3.584 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

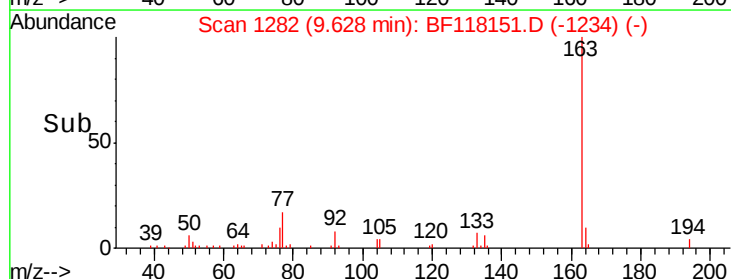
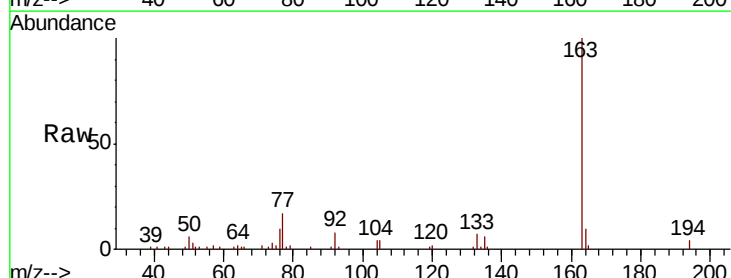
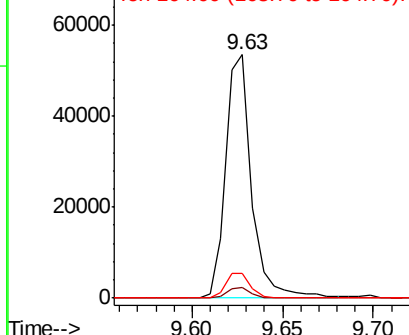
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	53331		
194	4.5		3.1	4.7
164	10.0		7.7	11.5

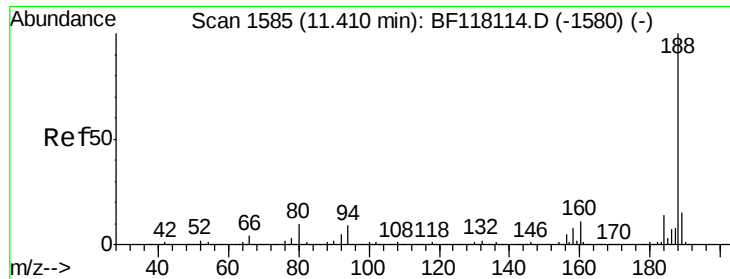
Abundance

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





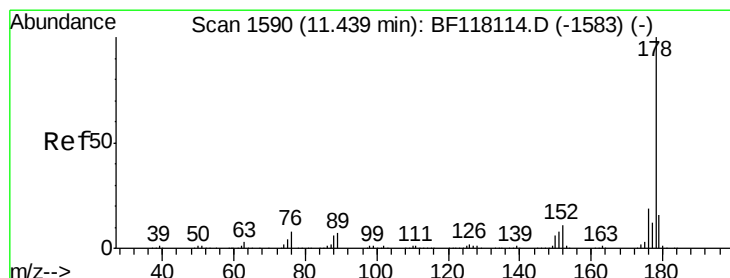
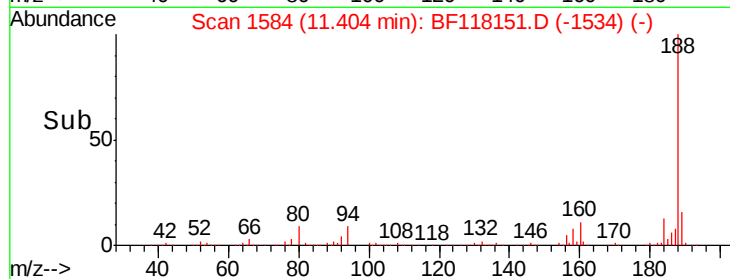
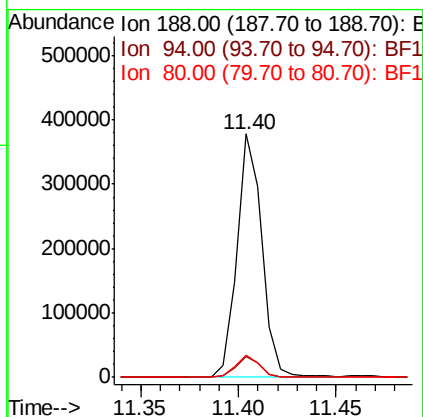
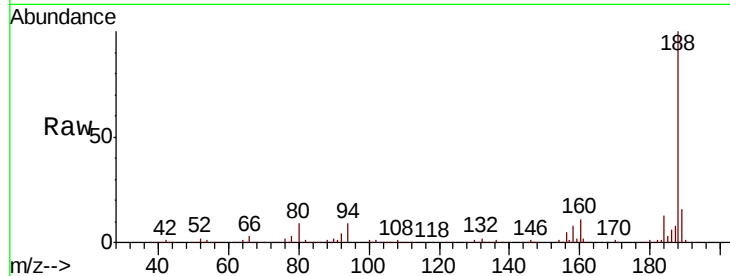
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Instrument :
BNA_F
ClientSampleId :
RPC-PT-01

Tot Ion	Ratio	Resp	Lower	Upper
188	100	334829		
94	8.7		7.1	10.7
80	9.1		7.9	11.9

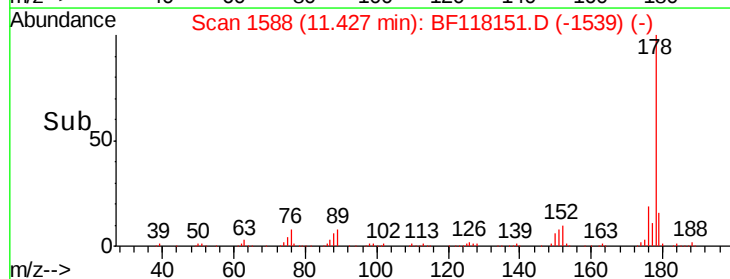
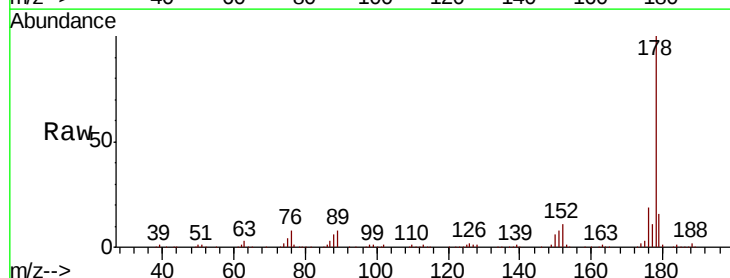
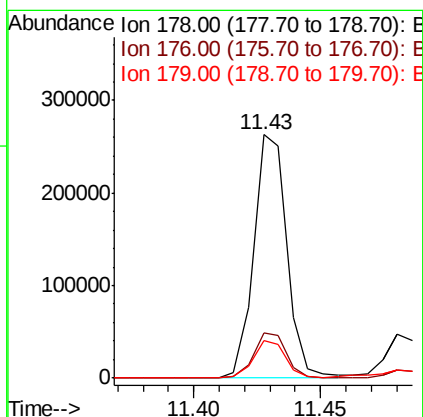
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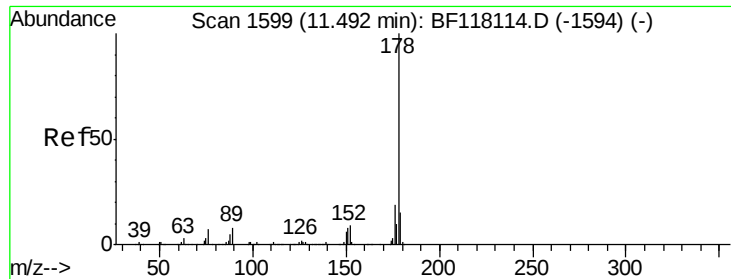
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#71
Phenanthrene
Concen: 13.500 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	240290		
176	18.6		15.5	23.3
179	15.6		12.6	18.8





#72

Anthracene

Concen: 2.567 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

Instrument :

BNA_F

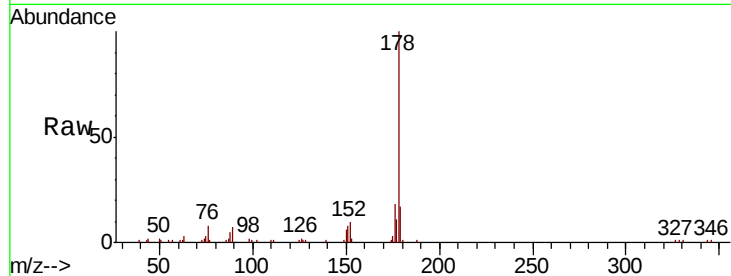
ClientSampleId :

RPC-PT-01

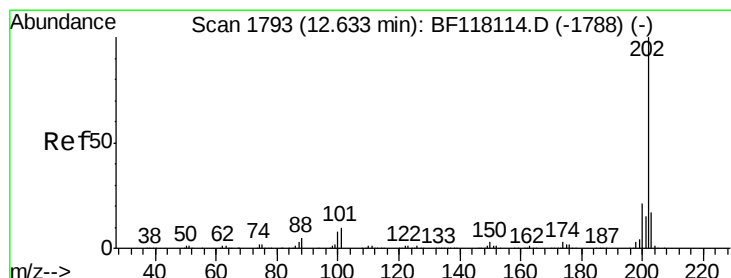
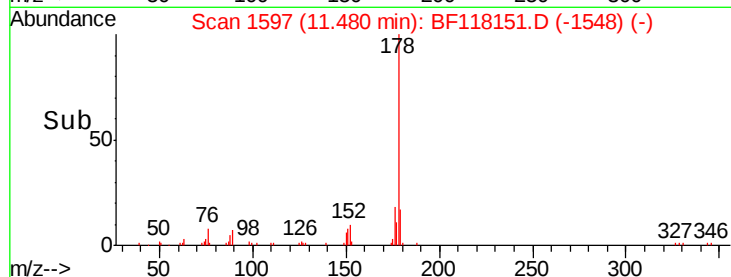
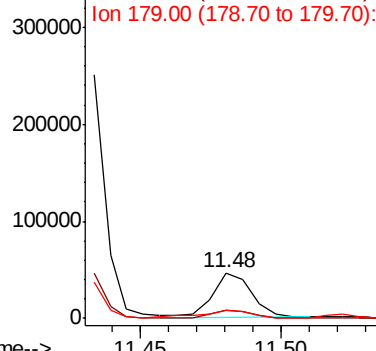
Tot Ion:	178	Resp:	45573
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.0	22.6
179	17.2	12.2	18.4

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: 15.639 ng

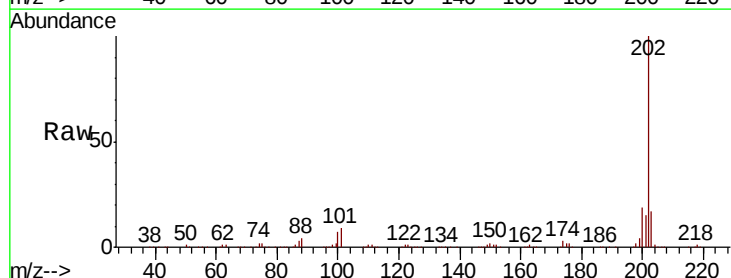
RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

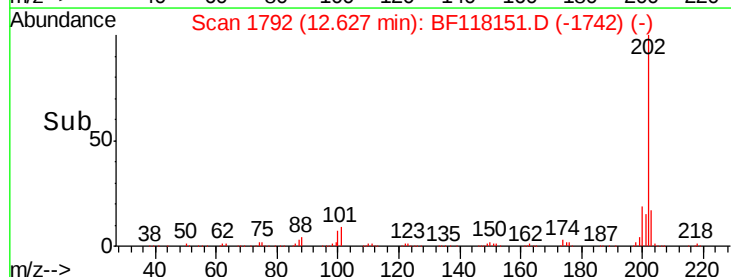
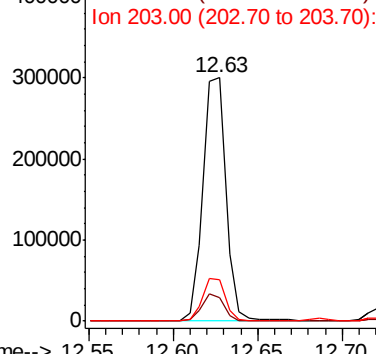
Lab File: BF118151.D

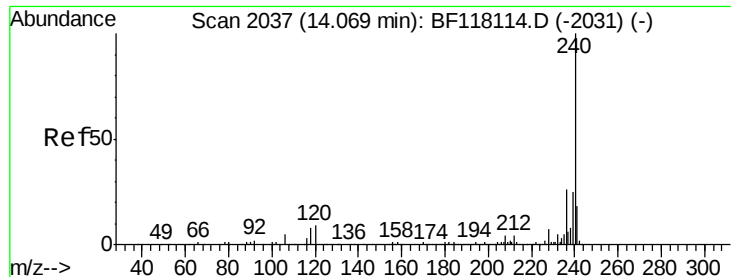
Acq: 9 Dec 2019 18:25

Tgt Ion:	202	Resp:	284594
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	30.4
203	16.9	0.0	37.2



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





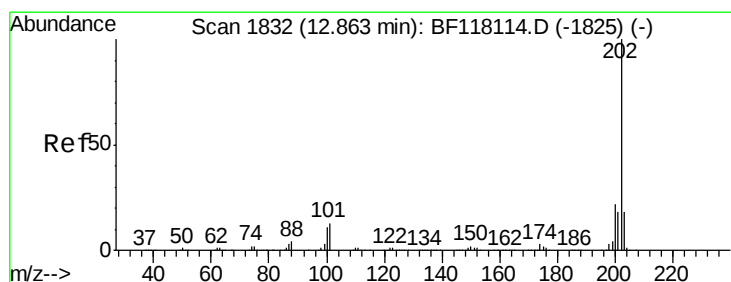
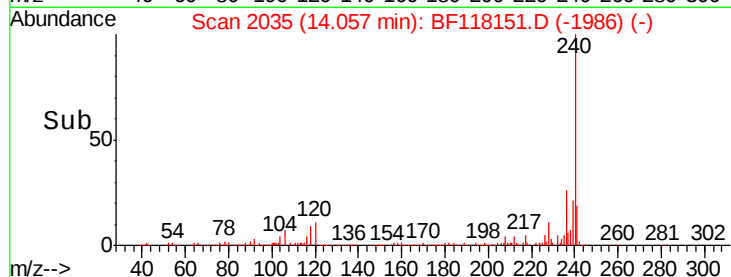
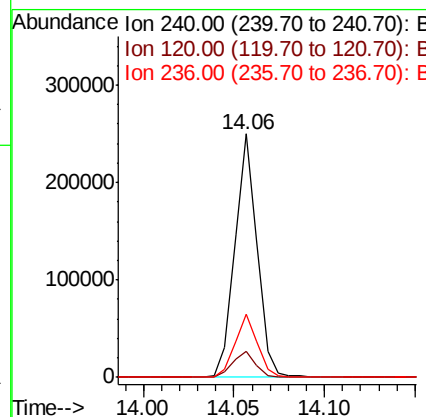
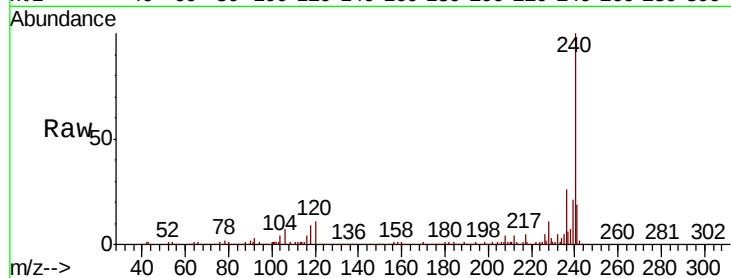
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Instrument :
BNA_F
ClientSampleId :
RPC-PT-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	7.1	10.7#
236	25.7	21.0	31.6

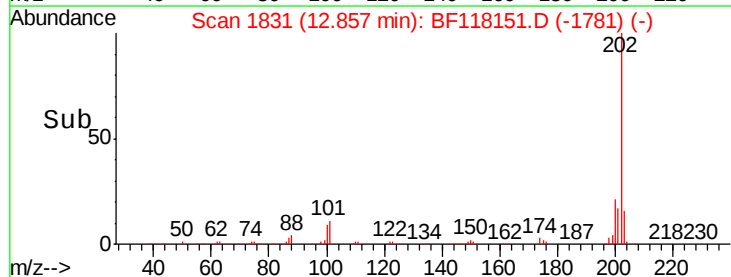
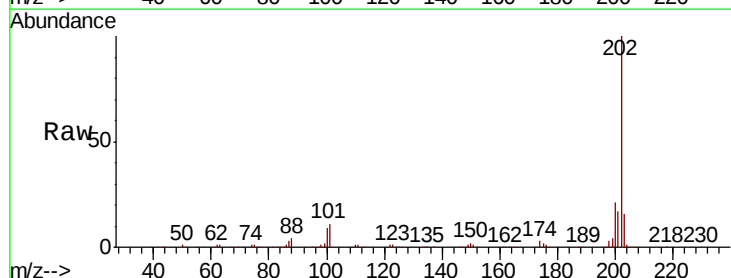
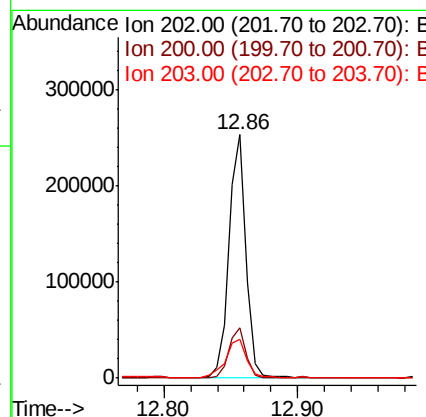
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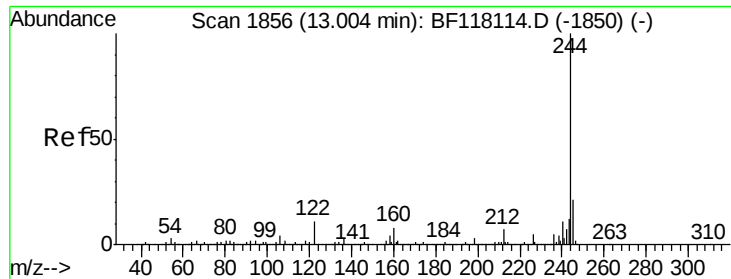
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#78
Pyrene
Concen: 13.606 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.5	26.3
203	15.8	14.6	21.8





#79

Terphenyl-d14

Concen: 56.386 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

Instrument :

BNA_F

ClientSampled :

RPC-PT-01

Tot Ion:244 Resp: 702679

Ion Ratio Lower Upper

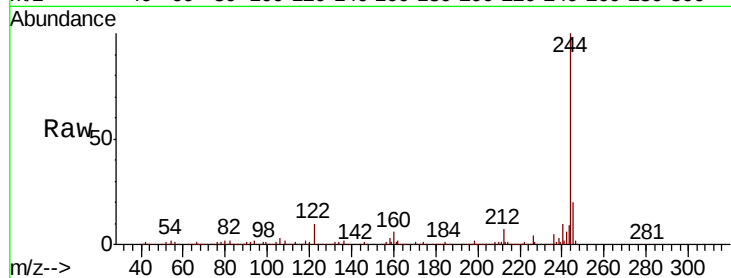
244 100

212 7.1 5.9 8.9

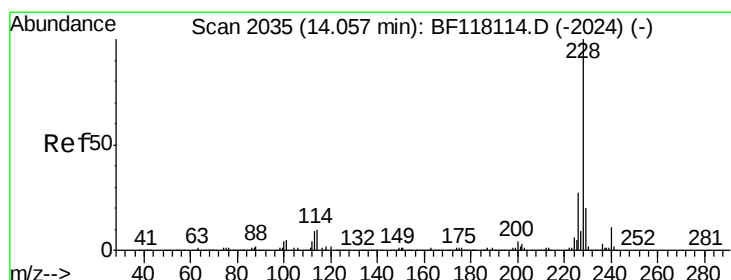
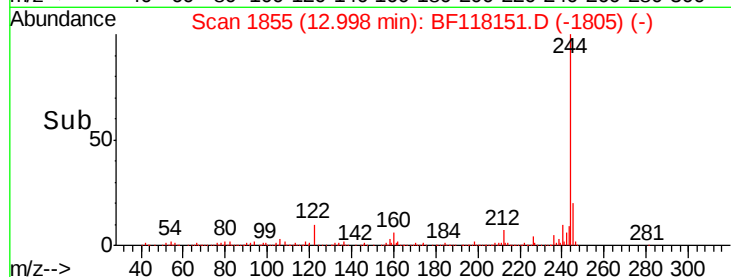
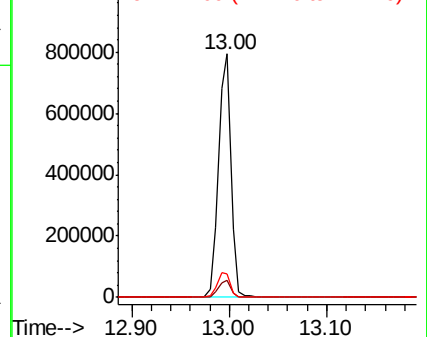
122 9.5 9.0 13.6

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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: 8.234 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

Tgt Ion:228 Resp: 122009

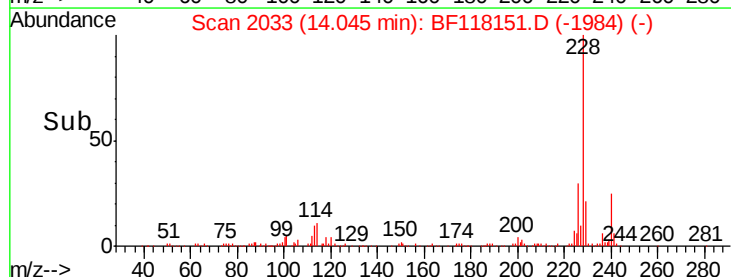
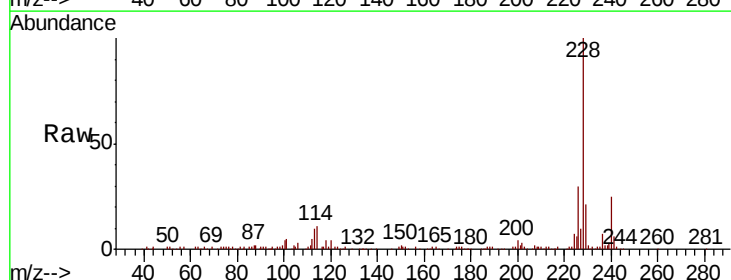
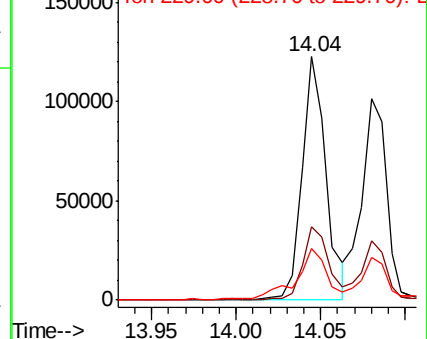
Ion Ratio Lower Upper

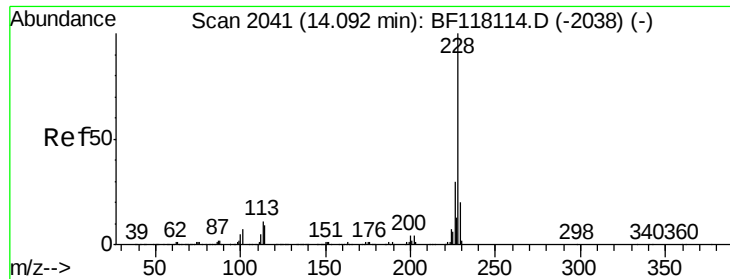
228 100

226 30.4 21.8 32.8

229 21.1 15.8 23.8

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





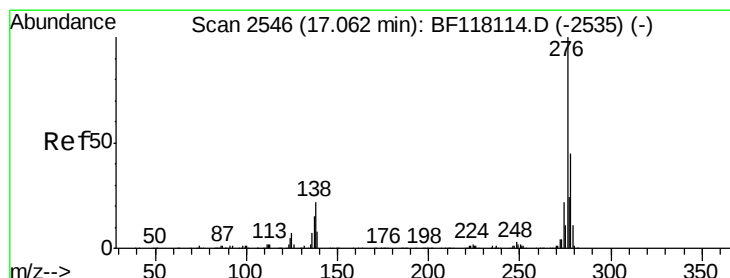
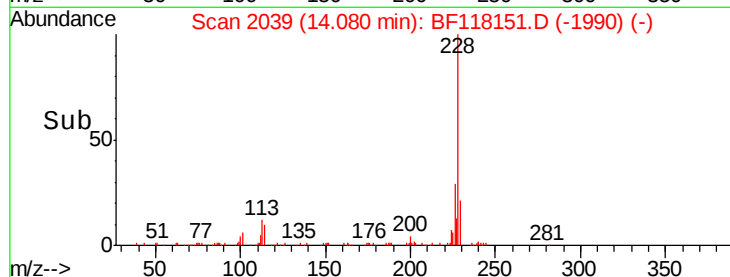
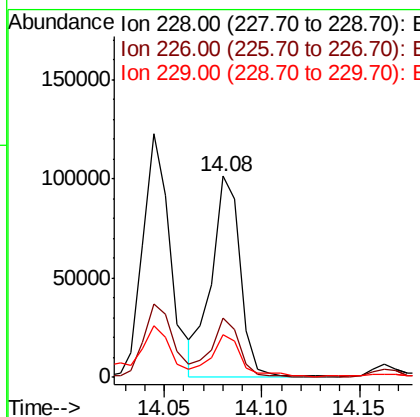
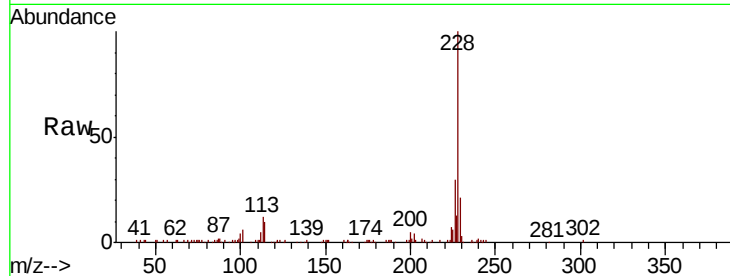
#83
Chrysene
Concen: 7.395 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Instrument :
BNA_F
ClientSampleId :
RPC-PT-01

Tot Ion:	228	Resp:	104677
Ion Ratio		Lower	Upper
228	100		
226	29.5	23.8	35.8
229	21.2	15.7	23.5

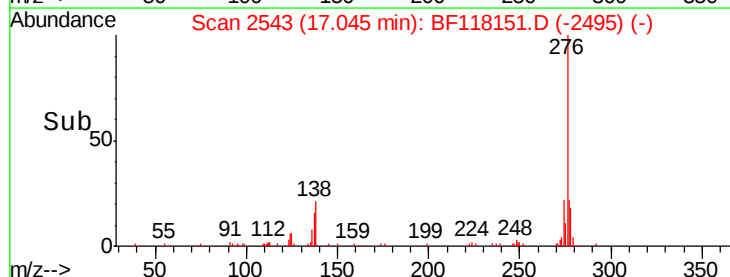
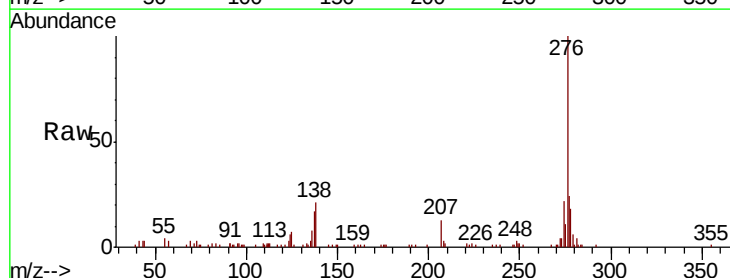
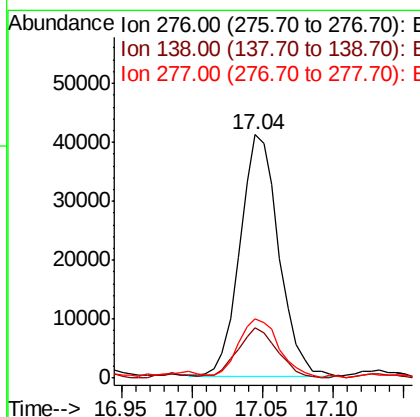
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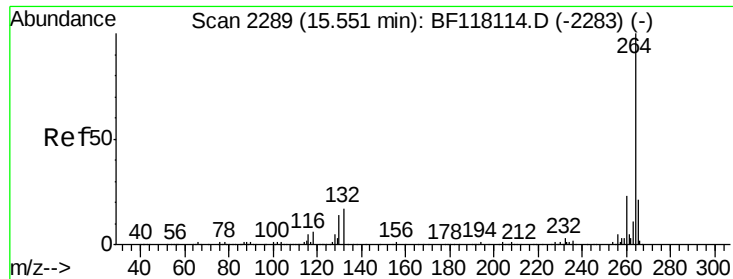
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.638 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.02 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Tgt Ion:	276	Resp:	79056
Ion Ratio		Lower	Upper
276	100		
138	21.6	18.9	28.3
277	25.5	20.4	30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

Instrument :

BNA_F

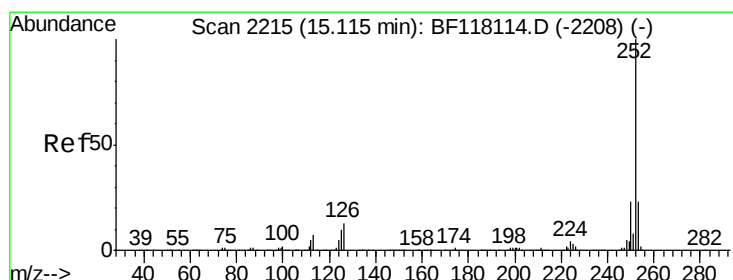
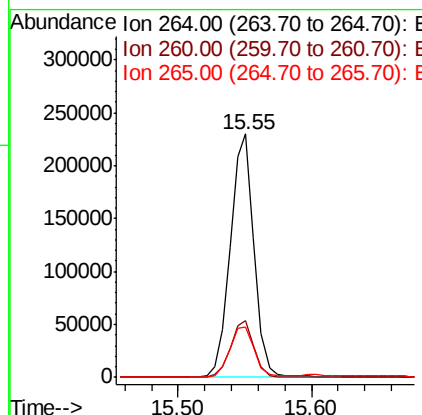
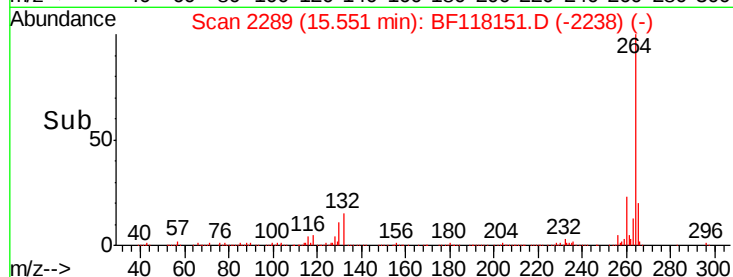
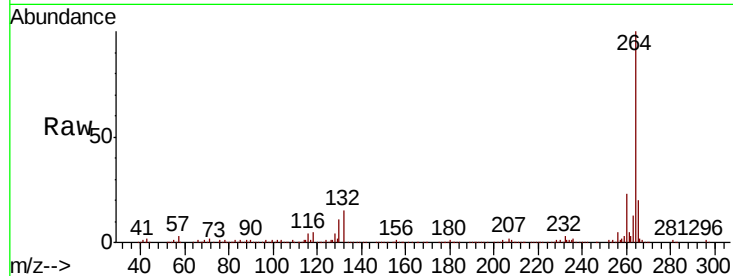
ClientSampleId :

RPC-PT-01

Tot Ion:	264	Resp:	286900
Ion Ratio	Lower	Upper	
264	100		
260	23.1	18.6	28.0
265	20.5	16.8	25.2

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#88

Benzo(b)fluoranthene

Concen: 8.531 ng m

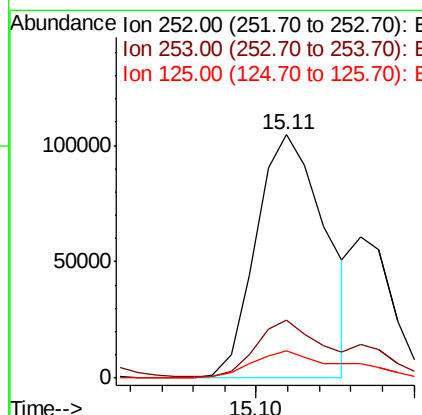
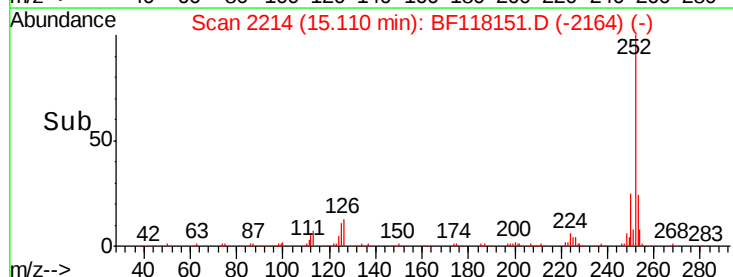
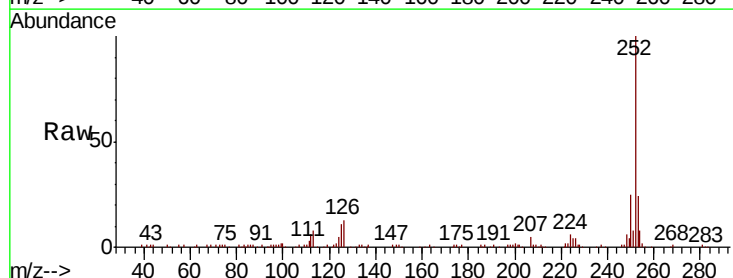
RT: 15.11 min Scan# 2214

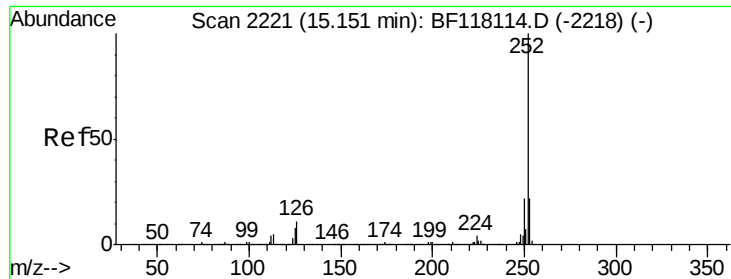
Delta R.T. -0.01 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

Tgt Ion:	252	Resp:	161882
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.2	27.4
125	11.3	8.3	12.5





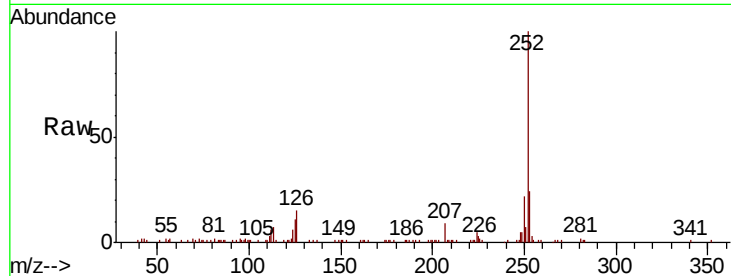
#89
Benzo(k)fluoranthene
Concen: 2.906 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.02 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Instrument :
BNA_F
ClientSampleId :
RPC-PT-01

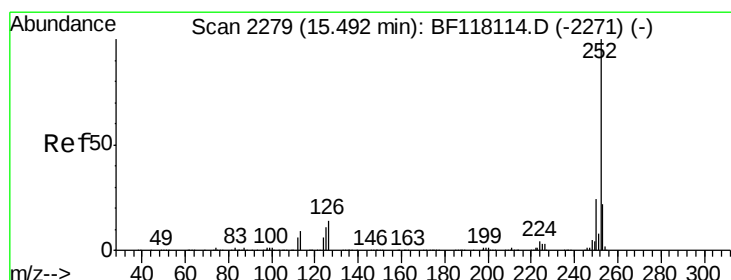
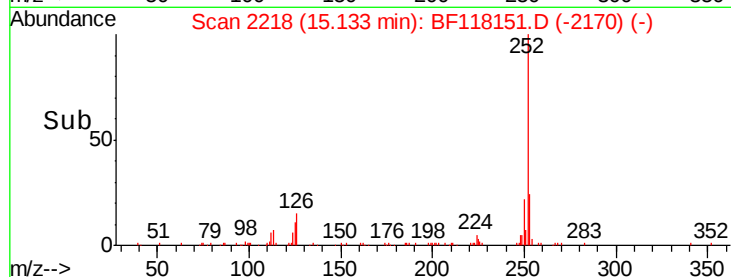
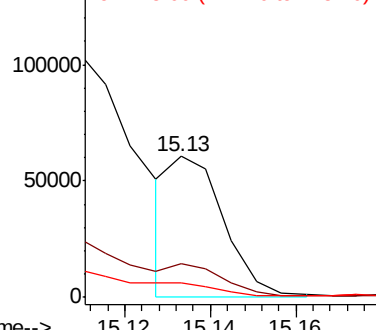
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.6	26.4
125	10.5	6.7	10.1

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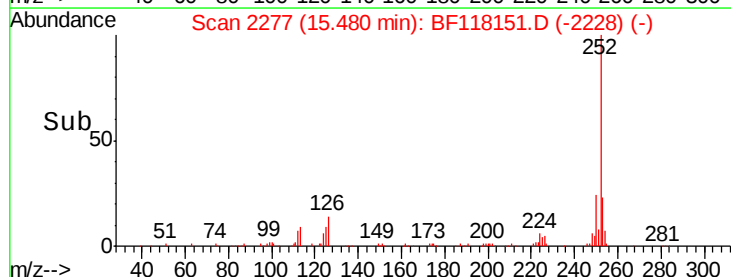
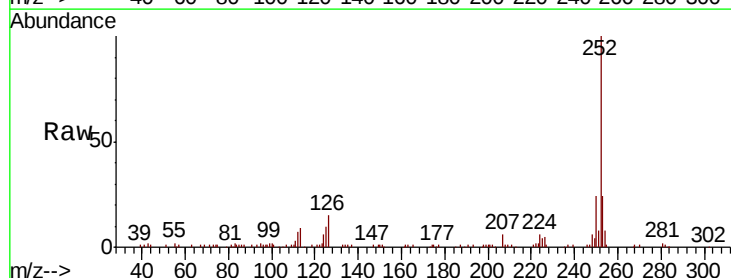
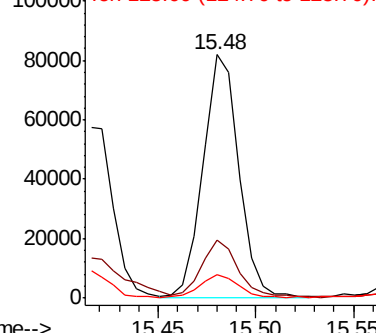
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

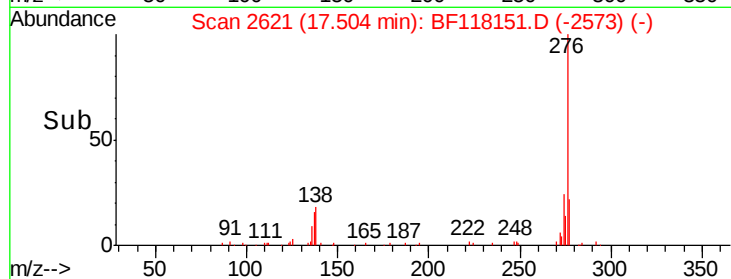
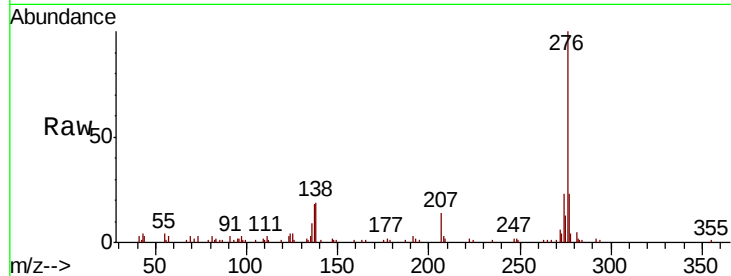
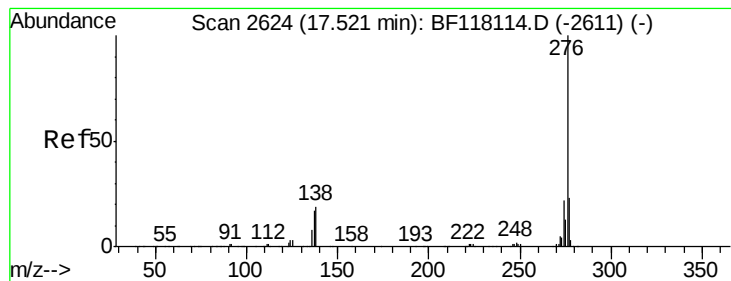


#90
Benzo(a)pyrene
Concen: 6.215 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BF118151.D
Acq: 9 Dec 2019 18:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	9.9	9.1	13.7

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





#92

Benzo(a,h,i)perylene

Concen: 5.104 ng

RT: 17.50 min Scan# 2621

Delta R.T. -0.02 min

Lab File: BF118151.D

Acq: 9 Dec 2019 18:25

Tot Ion:	276	Resp:	70493
Ion Ratio	Lower	Upper	
276	100		
277	22.9	18.2	27.4
138	19.2	15.5	23.3

Instrument :

BNA_F

ClientSampleId :

RPC-PT-01

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