

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118896.D
 Acq On : 11 Feb 2020 21:03
 Operator : CG/JU
 Sample : L1373-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-021020

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Quant Time: Feb 12 07:39:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	265362	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	760444	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	427283	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	767917	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	660827	20.00	ng	-0.01
87) Perylene-d12	15.42	264	674845	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1402493	100.05	ng	0.00
7) Phenol-d6	6.45	99	1829716	105.14	ng	0.00
23) Nitrobenzene-d5	7.36	82	880202	68.99	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	503482	98.48	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1804026	75.48	ng	-0.02
79) Terphenyl-d14	12.92	244	2344985	72.89	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.56	163	134414	4.620	ng	97
71) Phenanthrene	11.35	178	596900	15.798	ng	97
72) Anthracene	11.40	178	78627	2.092	ng	98
75) Fluoranthene	12.55	202	716078	17.359	ng	98
78) Pyrene	12.77	202	870583	19.204	ng	98
81) Benzo(a)anthracene	13.96	228	360657	9.172	ng	99
83) Chrysene	13.99	228	452517	11.466	ng	97
86) Indeno(1,2,3-cd)pyrene	16.85	276	162038	4.086	ng	96
88) Benzo(b)fluoranthene	15.00	252	593616m	14.176	ng	
89) Benzo(k)fluoranthene	15.02	252	155159m	4.255	ng	
90) Benzo(a)pyrene	15.36	252	383717	10.707	ng	99
92) Benzo(a,h,i)perylene	17.29	276	146882	4.801	ng	98

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

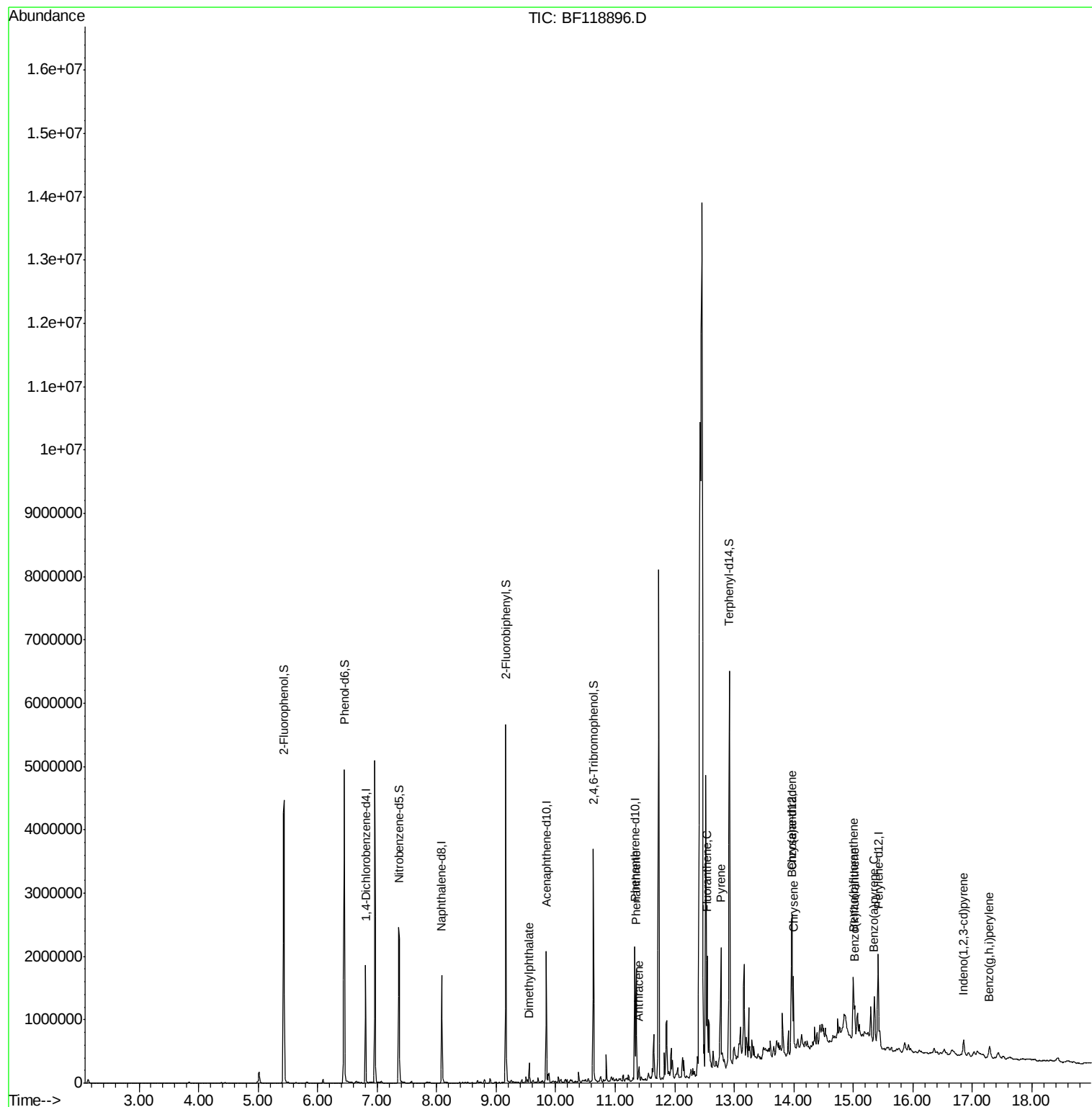
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Data File : BF118896.D
Acq On : 11 Feb 2020 21:03
Operator : CG/JU
Sample : L1373-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

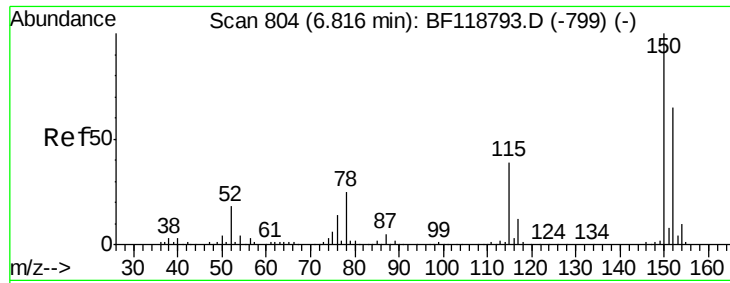
Instrument :
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ClientSampleId :
TR-05-021020

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Quant Time: Feb 12 07:39:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration





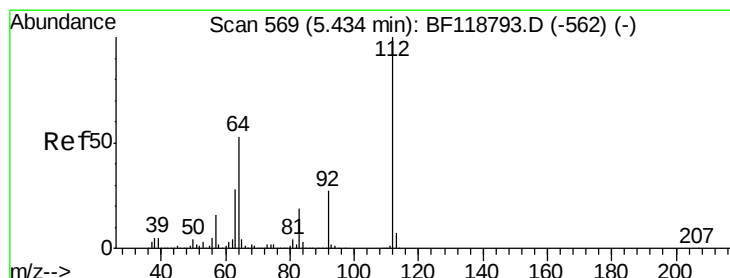
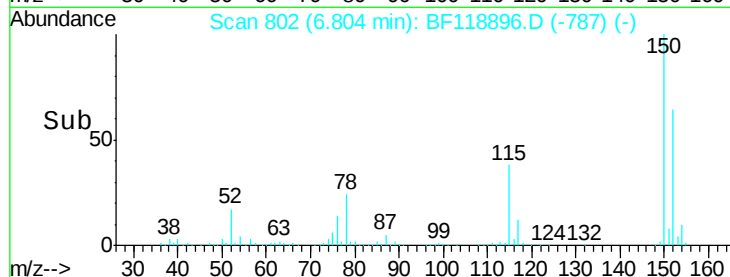
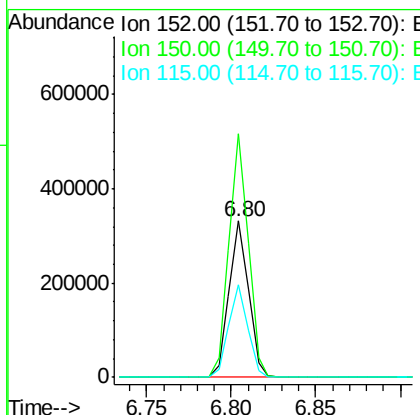
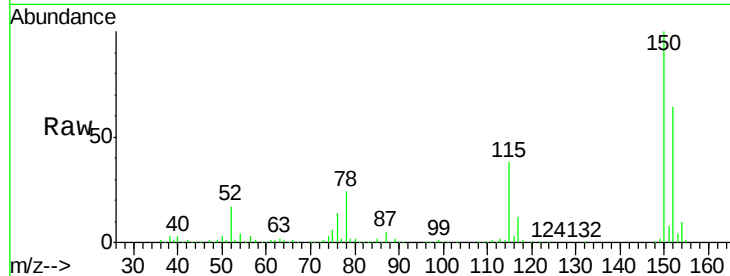
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF118896.D
 Acq: 11 Feb 2020 21:03

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-021020

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	123.6	185.4
115	59.2	48.2	72.2

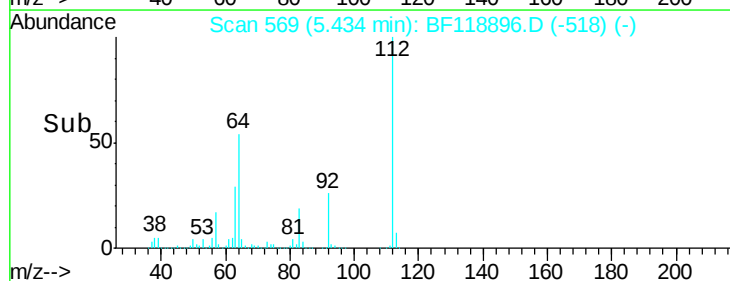
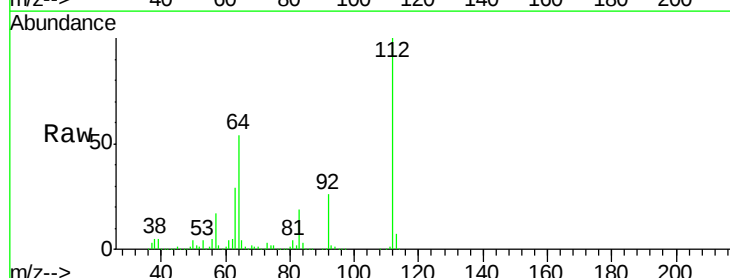
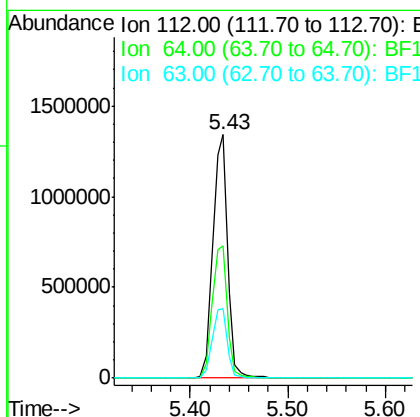
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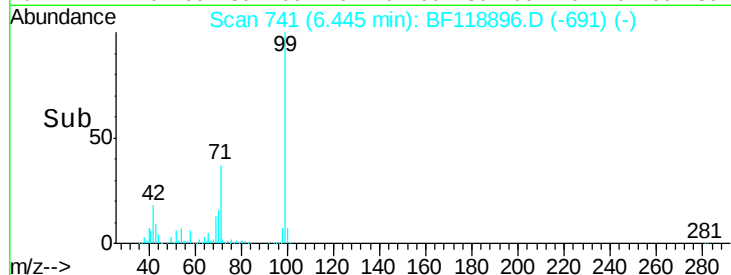
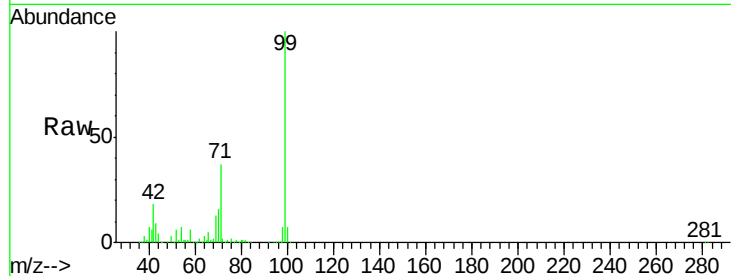
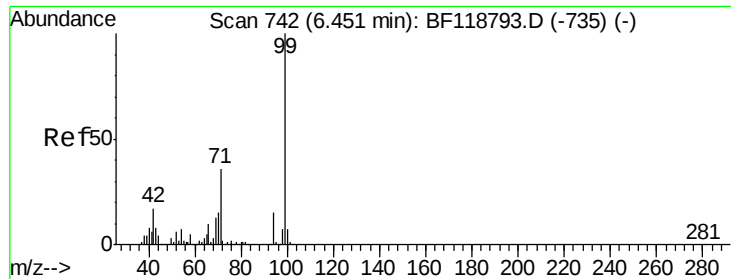
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#5
 2-Fluorophenol
 Concen: 100.045 ng
 RT: 5.43 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: BF118896.D
 Acq: 11 Feb 2020 21:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	42.6	63.8
63	28.7	22.2	33.4





#7

Phenol-d6

Concen: 105.144 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

Tot Ion: 99 Resp: 1829716

Ion Ratio Lower Upper

99 100

42 17.6 13.4 20.0

71 36.7 29.0 43.6

Instrument :

BNA_F

ClientSampleId :

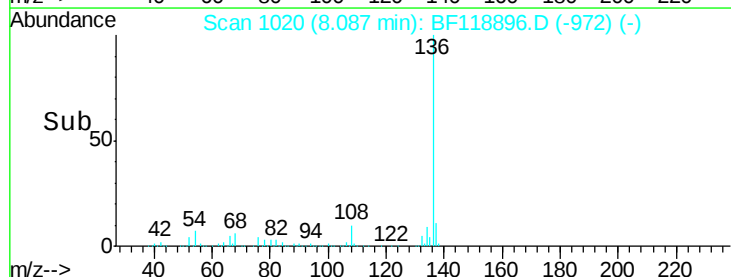
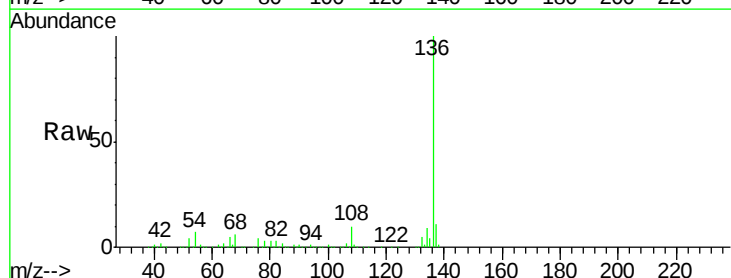
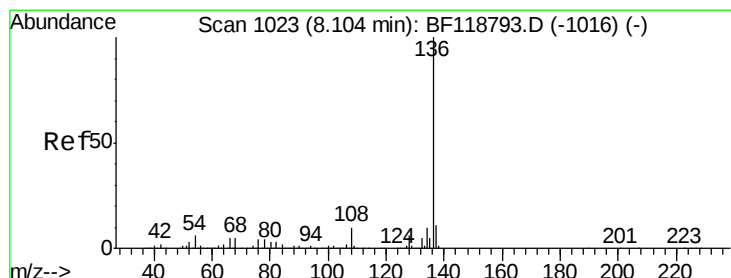
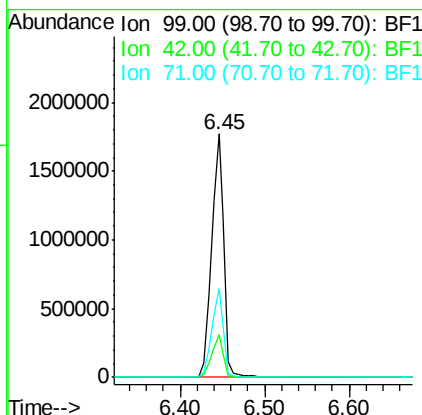
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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

Tgt Ion: 136 Resp: 760444

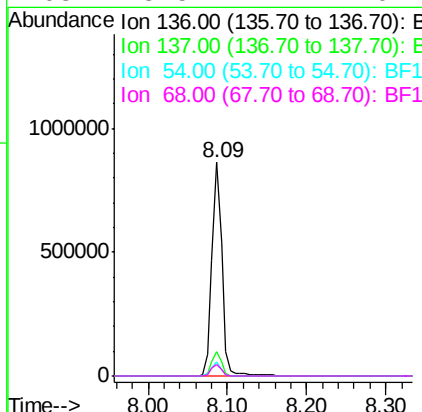
Ion Ratio Lower Upper

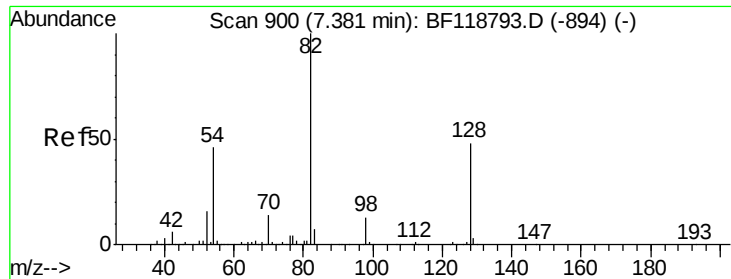
136 100

137 11.2 8.7 13.1

54 6.6 5.0 7.6

68 5.5 4.2 6.4





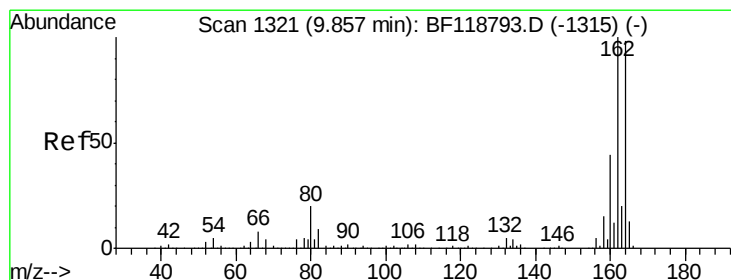
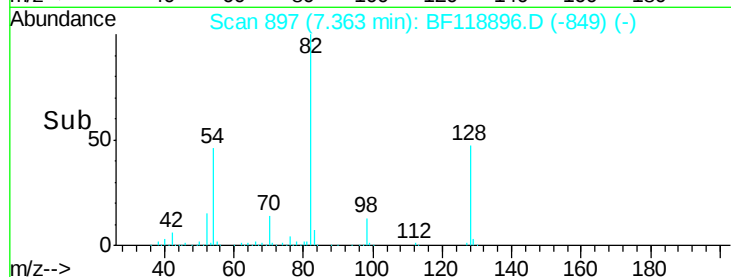
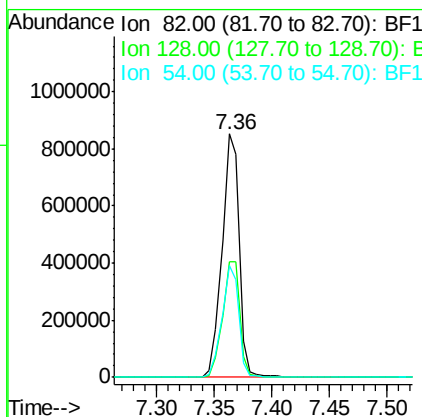
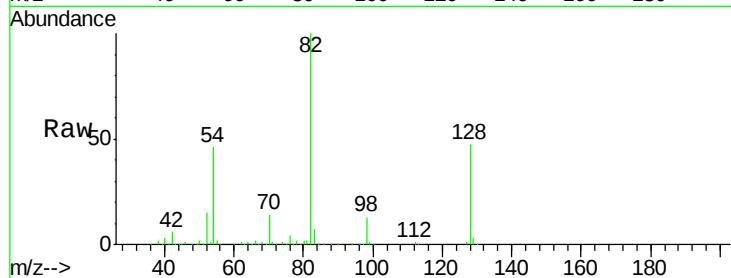
#23
Nitrobenzene-d5
Concen: 68.992 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Instrument :
BNA_F
ClientSampled :
TR-05-021020

Tot Ion	Ratio	Resp	Lower	Upper
82	100	880202		
128	47.5		38.5	57.7
54	45.8		36.7	55.1

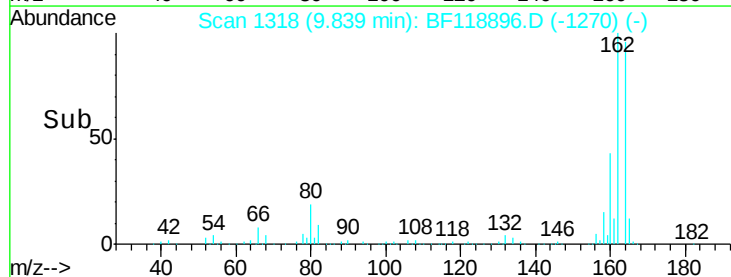
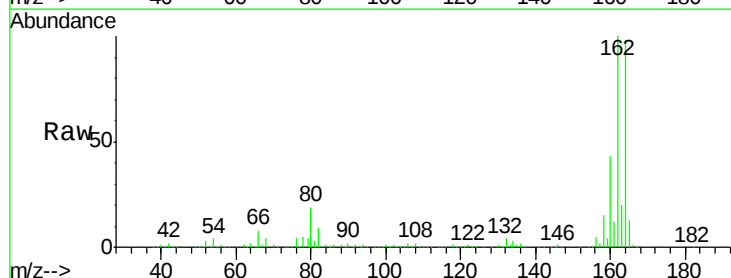
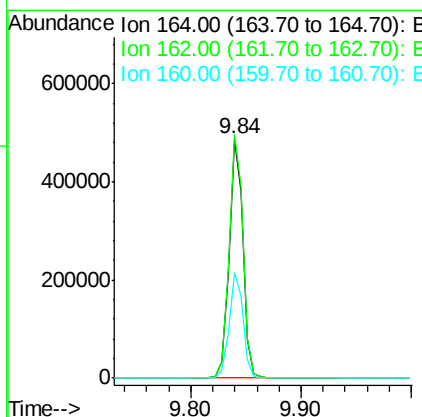
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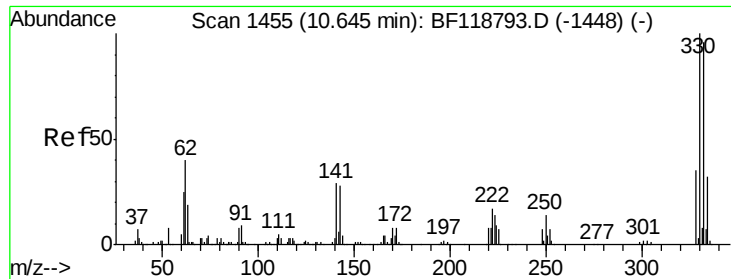
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	427283		
162	101.9		81.4	122.2
160	43.9		35.6	53.4





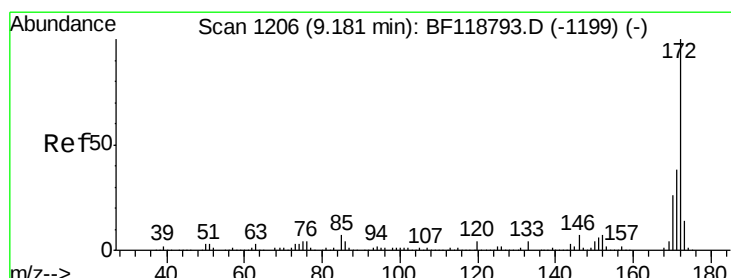
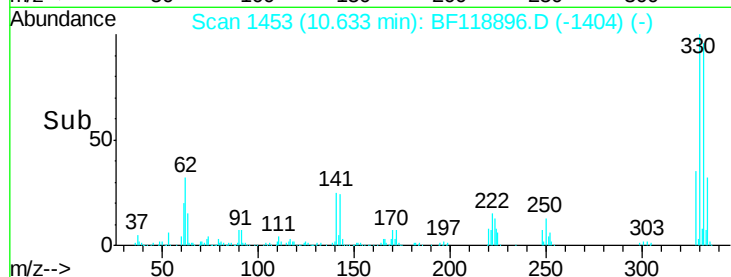
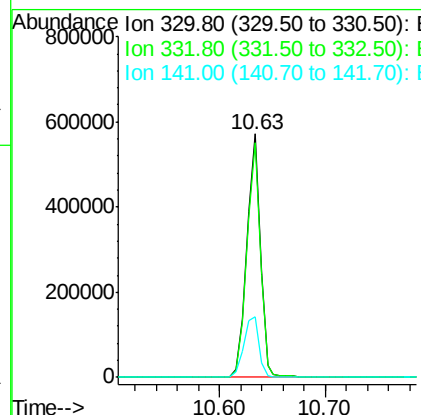
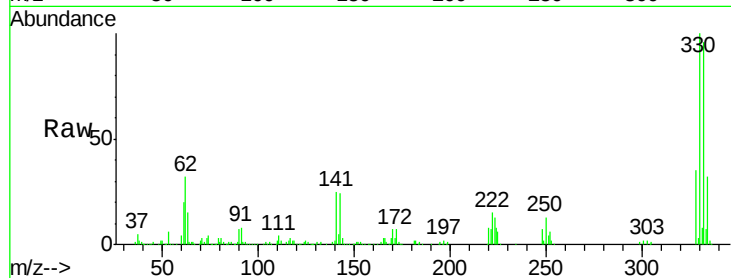
#42
 2,4,6-Tribromophenol
 Concen: 98.479 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF118896.D
 Acq: 11 Feb 2020 21:03

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-021020

Tot Ion	Ratio	Resp	Lower	Upper
330	100	503482		
332	96.8		77.3	115.9
141	28.3		22.4	33.6

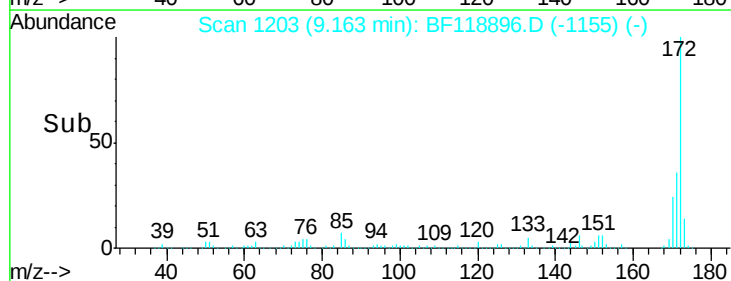
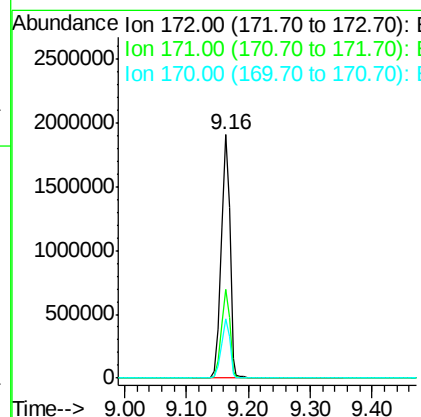
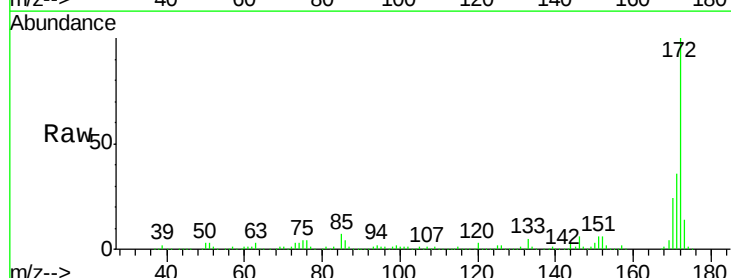
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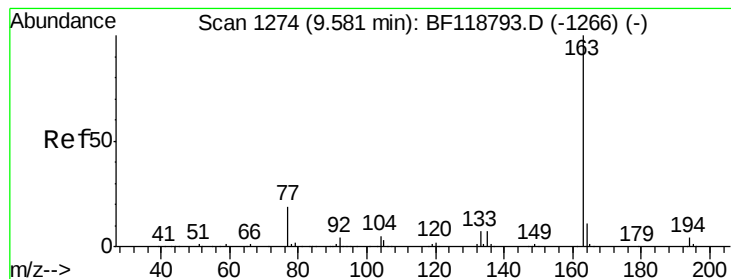
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#45
 2-Fluorobiphenyl
 Concen: 75.478 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.02 min
 Lab File: BF118896.D
 Acq: 11 Feb 2020 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1804026		
171	36.4		30.8	46.2
170	24.2		20.5	30.7





#50

Dimethylphthalate

Concen: 4.620 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

Instrument :

BNA_F

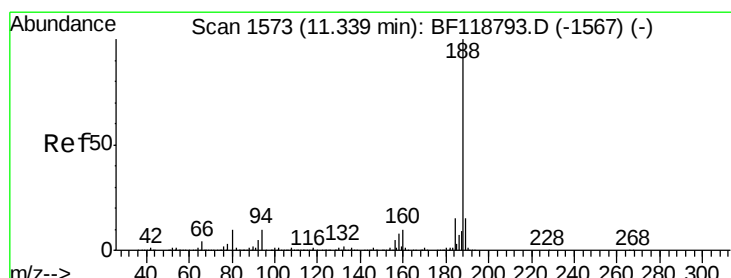
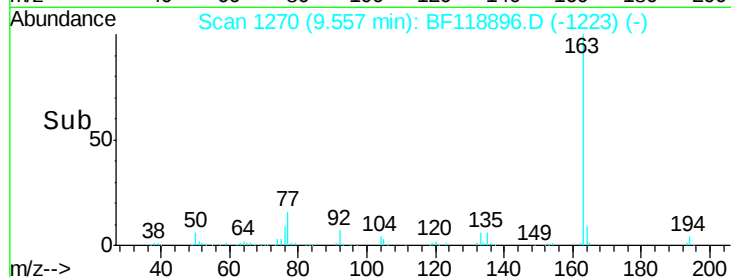
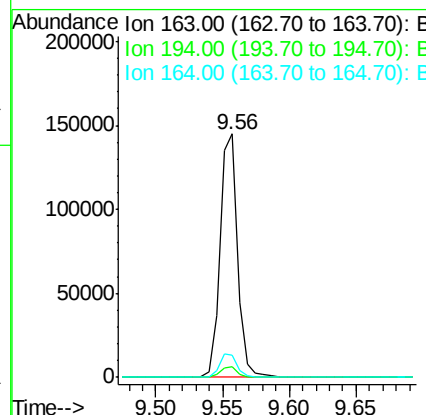
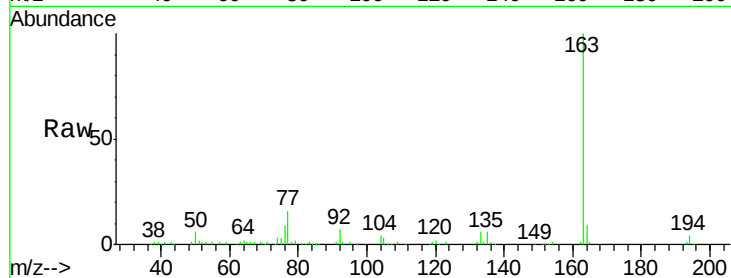
ClientSampleId :

TR-05-021020

Tot Ion:	163	Resp:	134414
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.6	5.4
164	9.1	8.7	13.1

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#64

Phenanthrene-d10

Concen: 20.000 ng

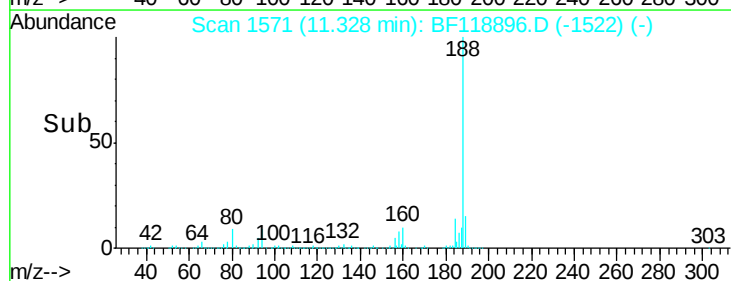
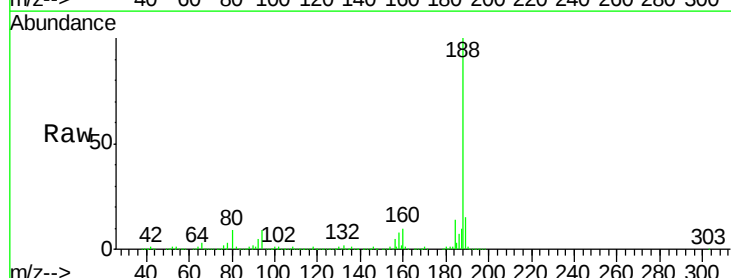
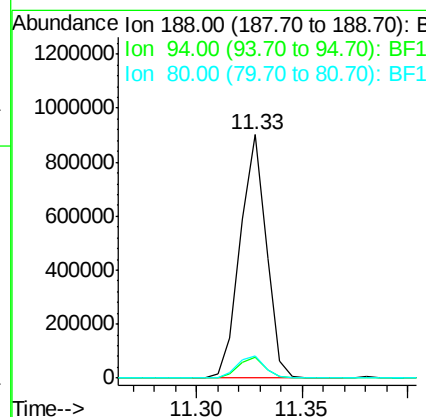
RT: 11.33 min Scan# 1571

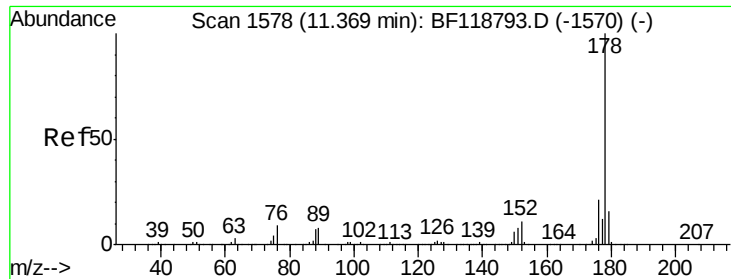
Delta R.T. -0.01 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

Tgt Ion:	188	Resp:	767917
Ion Ratio	Lower	Upper	
188	100		
94	8.6	7.9	11.9
80	9.3	8.4	12.6





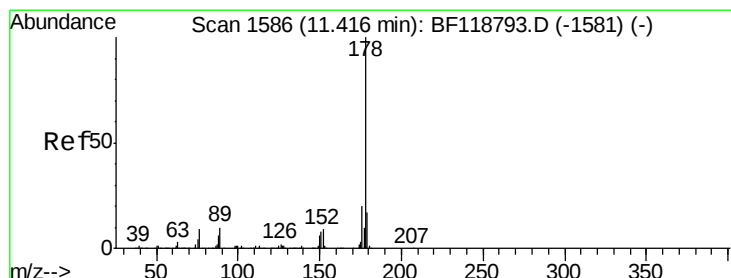
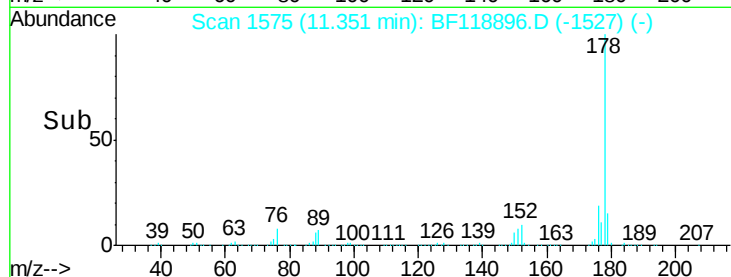
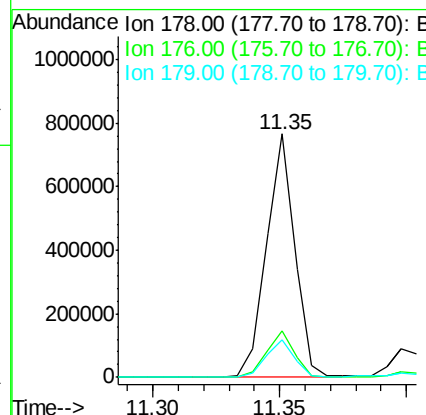
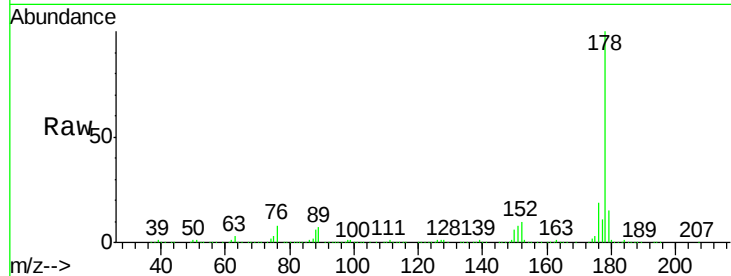
#71
Phenanthrene
Concen: 15.798 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Instrument :
BNA_F
ClientSampleId :
TR-05-021020

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.6	24.8
179	15.4	13.2	19.8

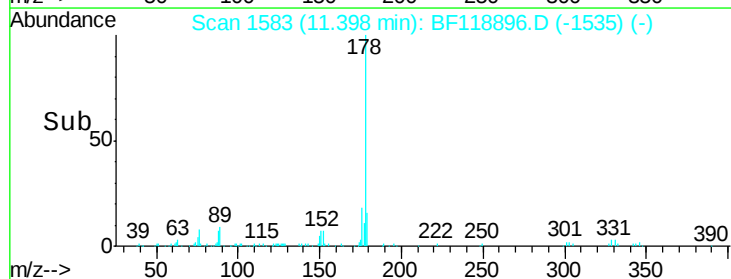
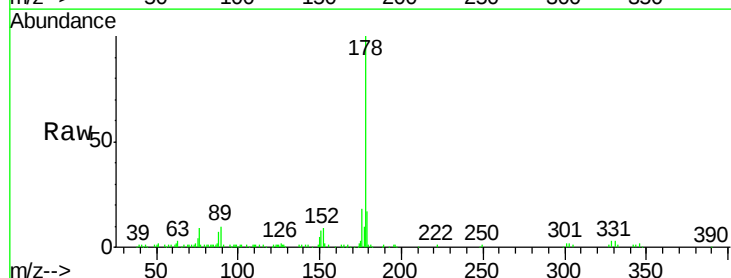
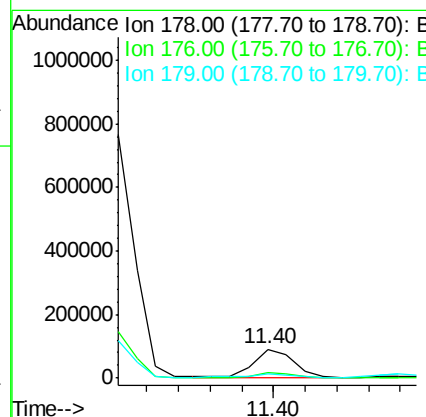
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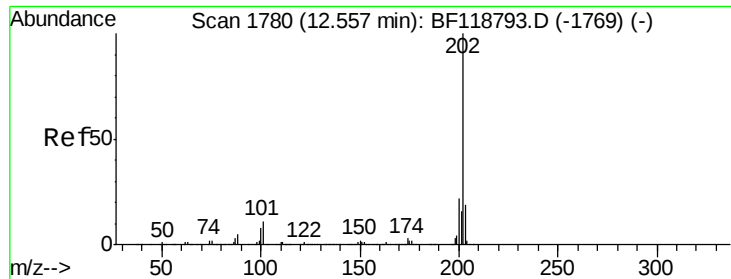
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#72
Anthracene
Concen: 2.092 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.02 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.2	24.2
179	16.8	13.4	20.2





#75

Fluoranthene

Concen: 17.359 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

Instrument :

BNA_F

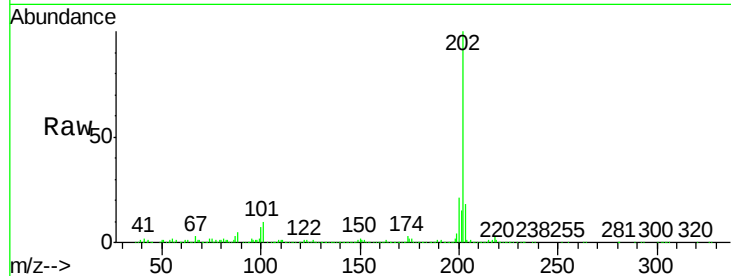
ClientSampleId :

TR-05-021020

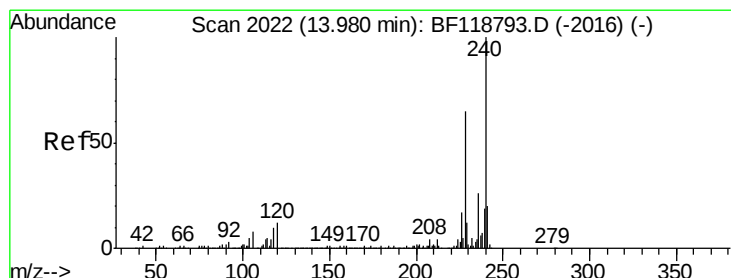
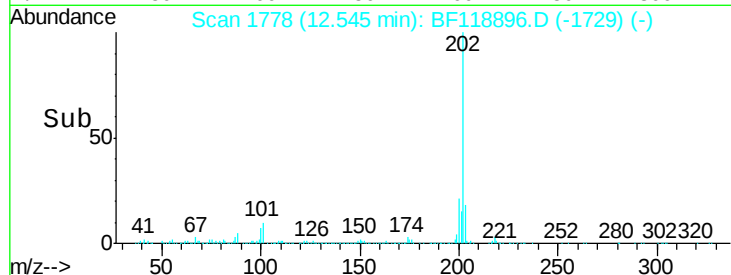
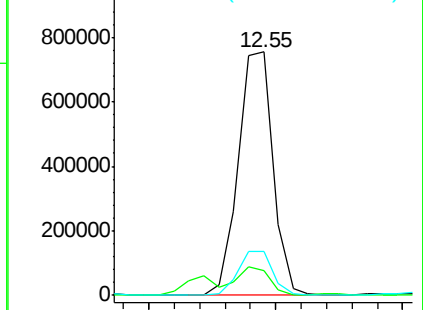
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.0	0.0	31.0
203	17.8	0.0	38.7

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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

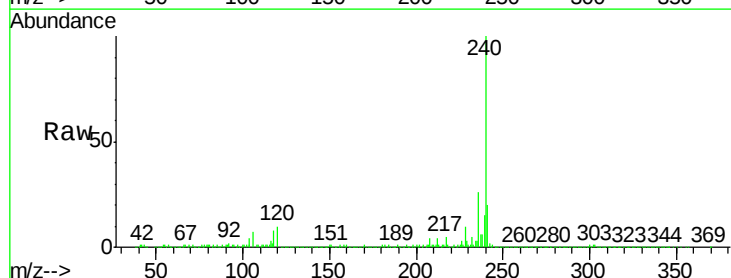
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

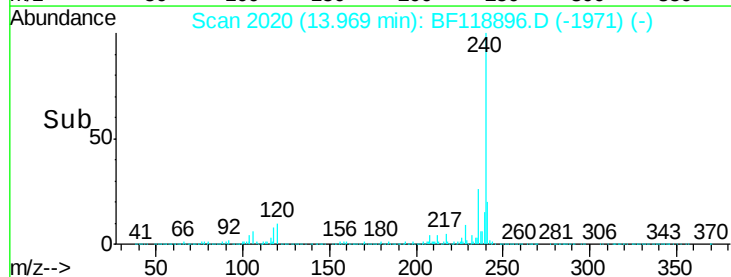
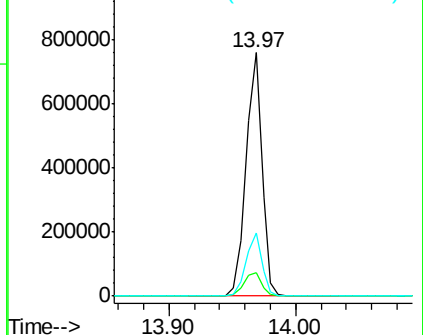
Lab File: BF118896.D

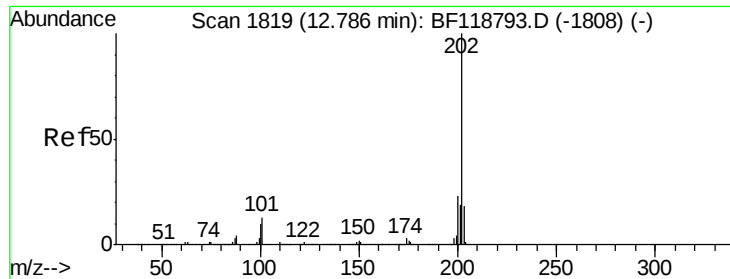
Acq: 11 Feb 2020 21:03

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.6	9.4	14.0
236	26.0	21.0	31.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 19.204 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

Instrument :

BNA_F

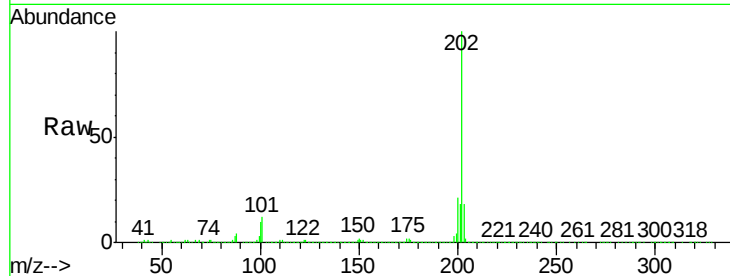
ClientSampleId :

TR-05-021020

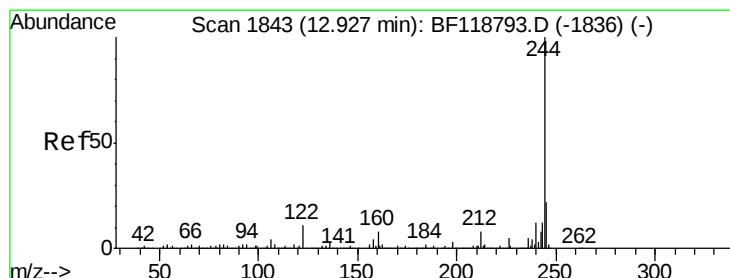
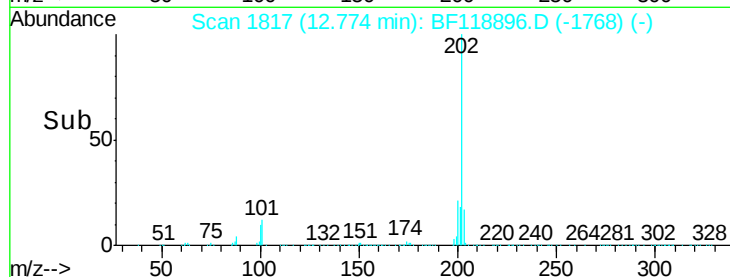
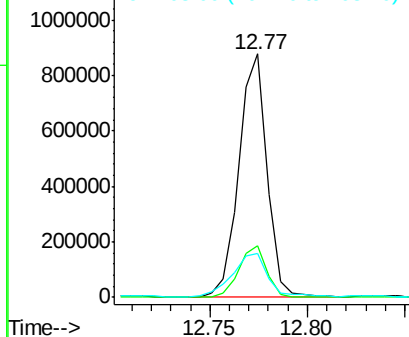
Tot Ion:	202	Resp:	870583
Ion Ratio		Lower	Upper
202	100		
200	21.2	18.2	27.2
203	17.8	14.8	22.2

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 72.889 ng

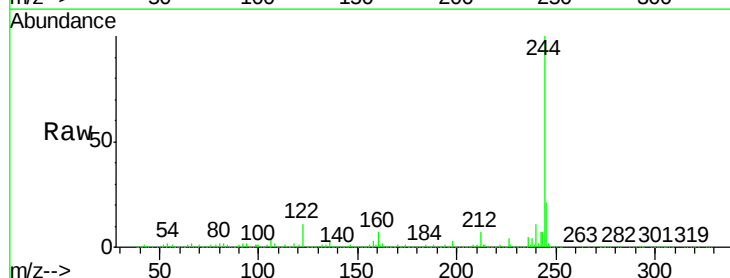
RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

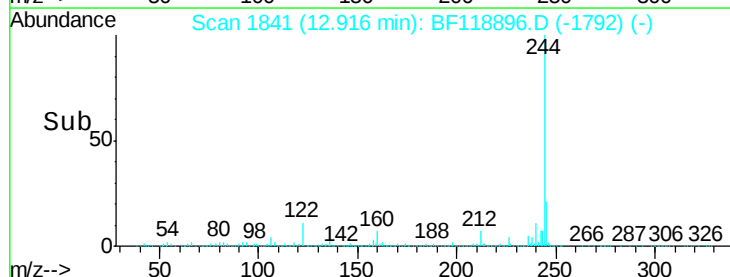
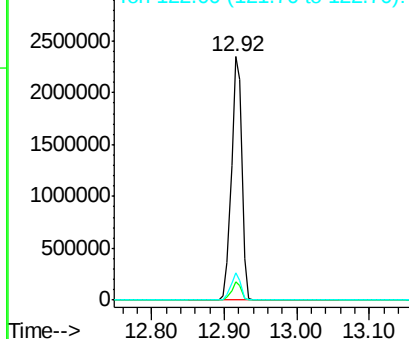
Lab File: BF118896.D

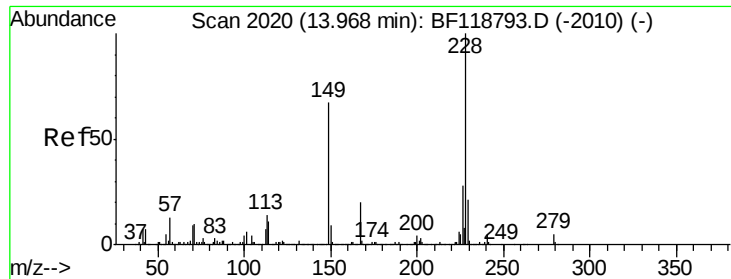
Acq: 11 Feb 2020 21:03

Tgt Ion:	244	Resp:	2344985
Ion Ratio		Lower	Upper
244	100		
212	7.3	6.5	9.7
122	11.1	8.9	13.3



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: 9.172 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

Instrument :

BNA_F

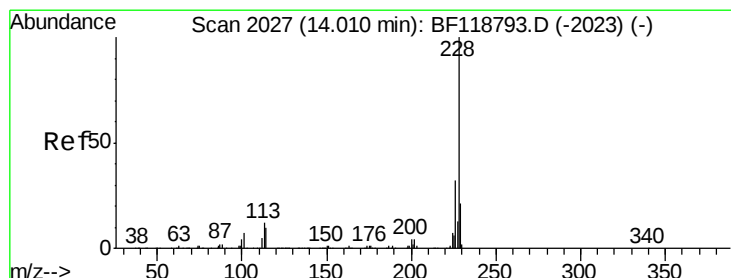
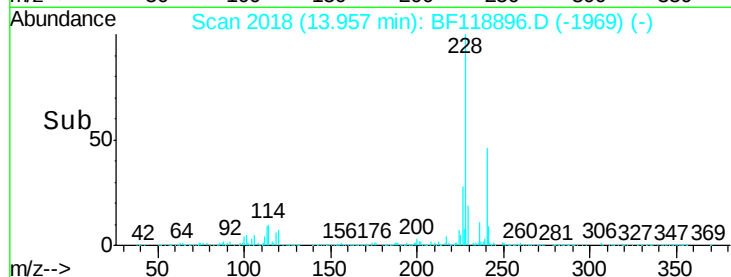
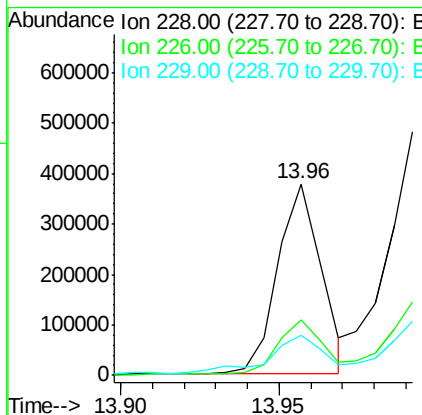
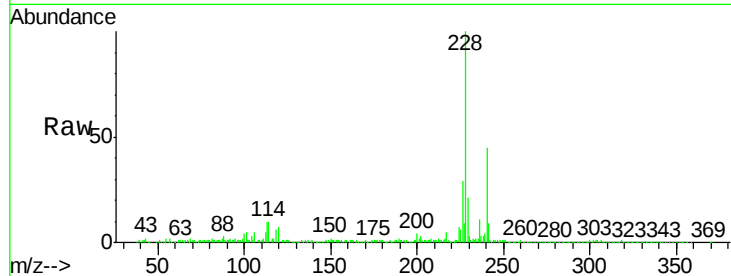
ClientSampleId :

TR-05-021020

Tot Ion:	228	Resp:	360657
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.7	34.1
229	21.2	16.6	25.0

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#83

Chrysene

Concen: 11.466 ng

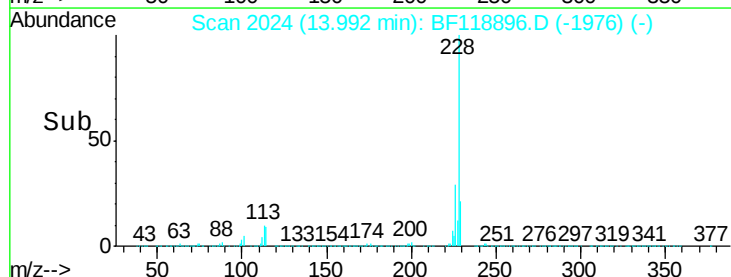
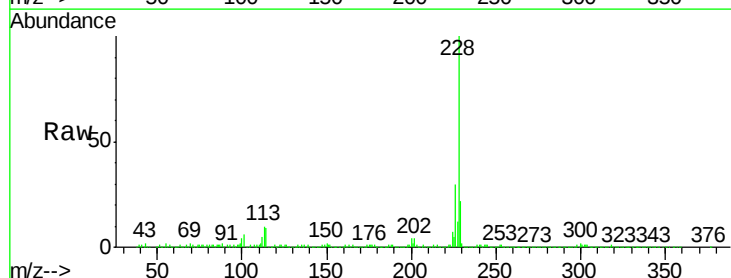
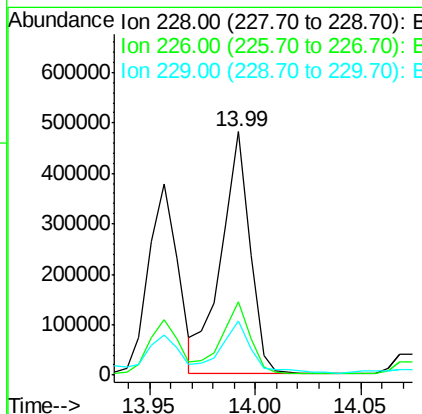
RT: 13.99 min Scan# 2024

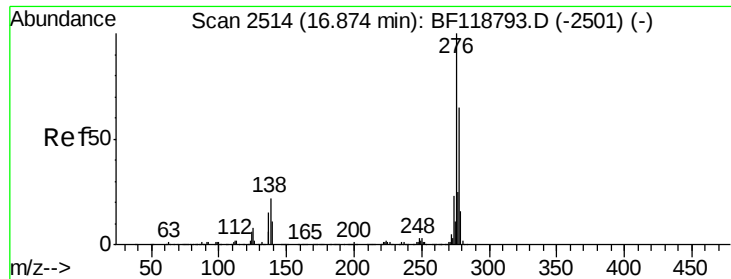
Delta R.T. -0.02 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

Tgt Ion:	228	Resp:	452517
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.4	38.0
229	22.4	16.9	25.3





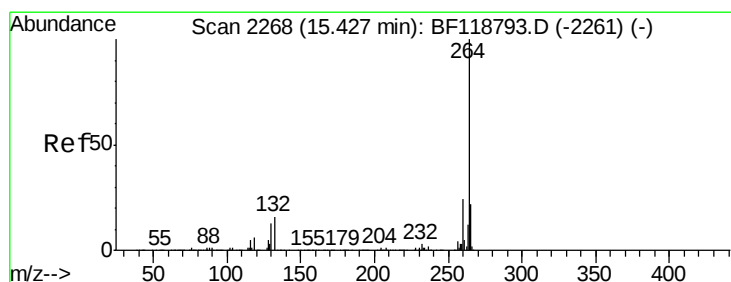
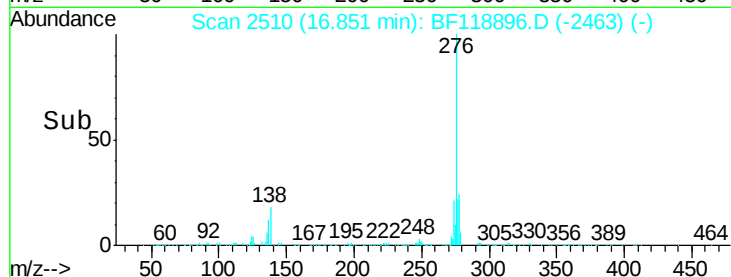
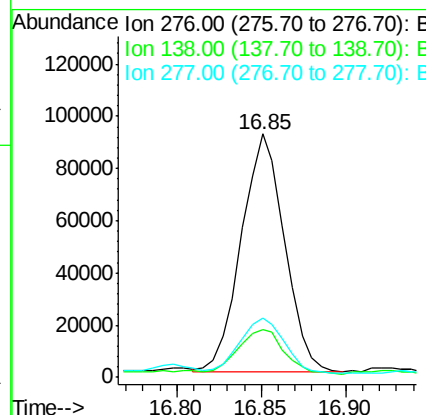
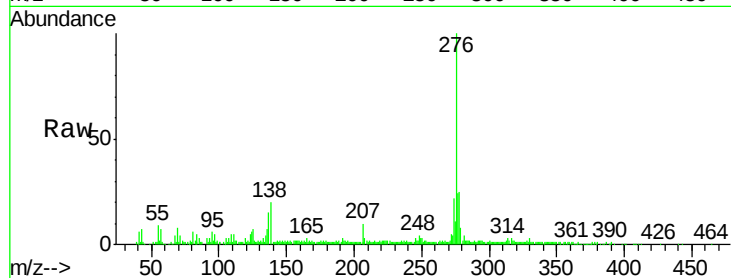
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.086 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.02 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Instrument :
BNA_F
ClientSampleId :
TR-05-021020

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	18.3	27.5
277	24.3	20.2	30.4

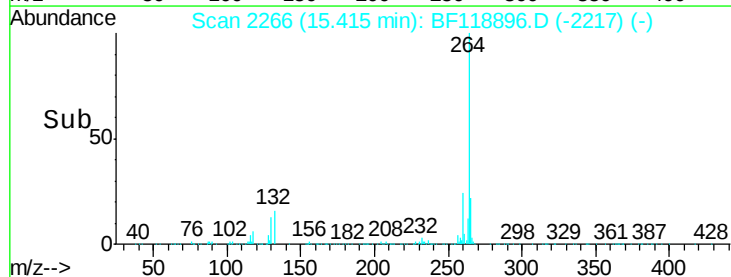
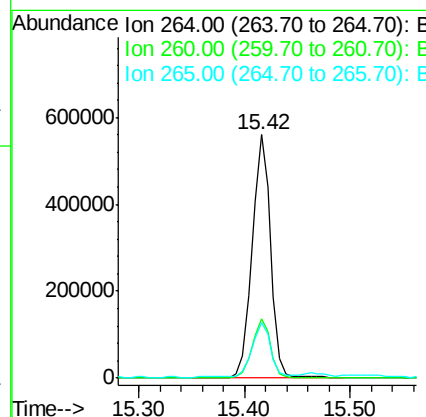
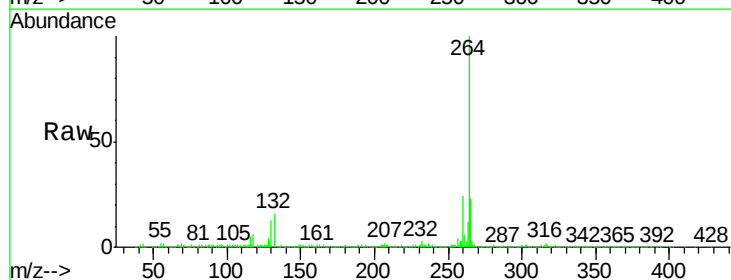
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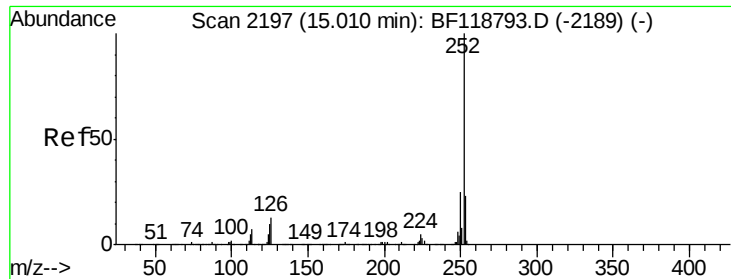
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.1	28.7
265	22.7	17.2	25.8





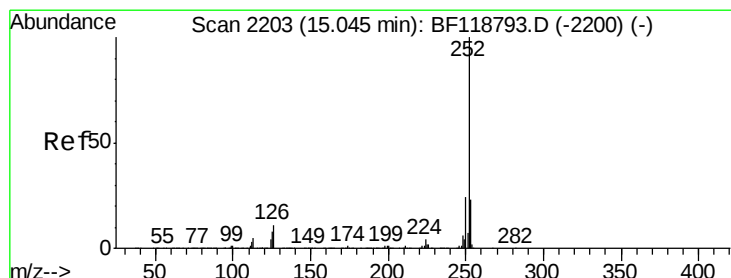
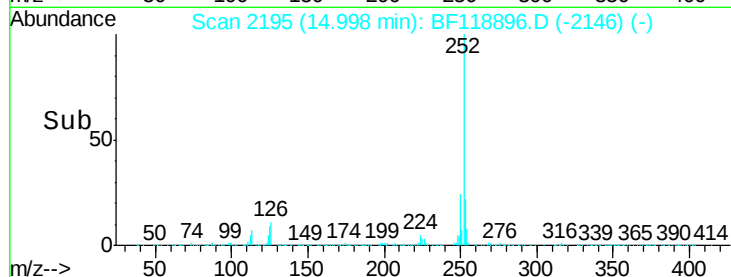
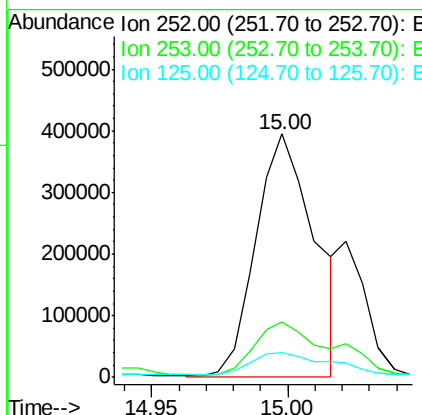
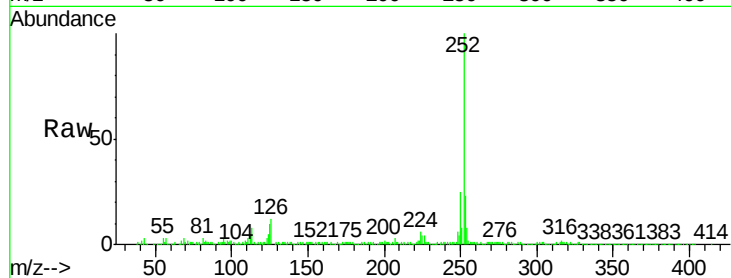
#88
Benzo(b)fluoranthene
Concen: 14.176 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Instrument :
BNA_F
ClientSampleId :
TR-05-021020

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	10.4	8.1	12.1

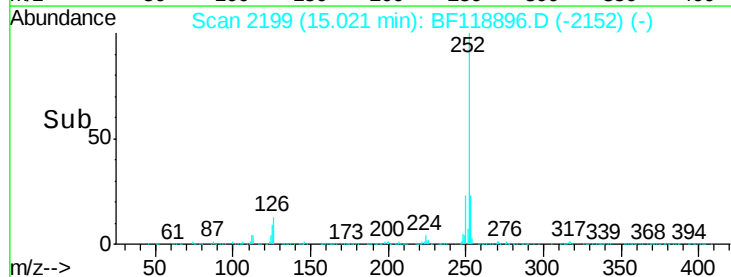
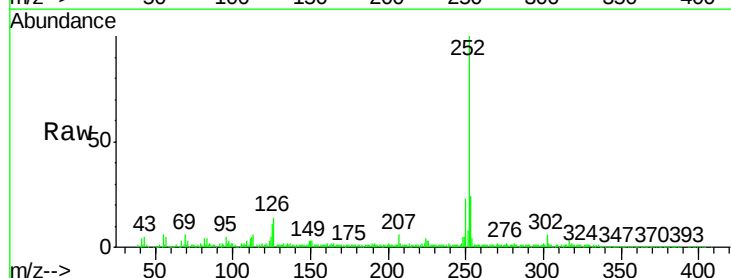
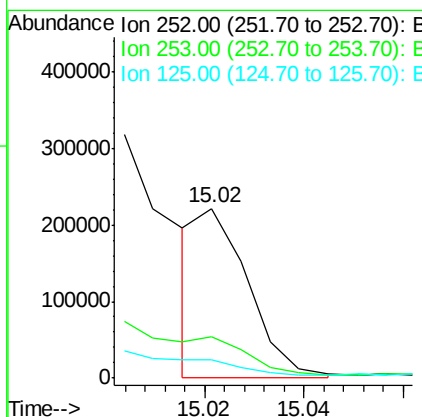
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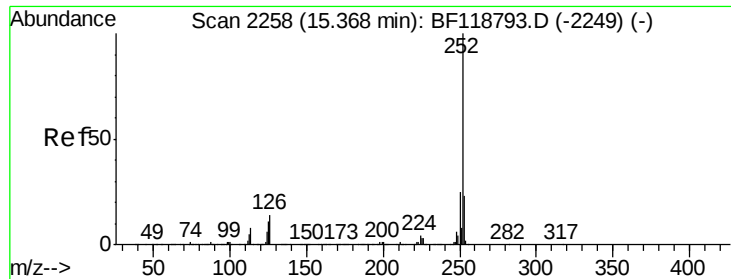
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#89
Benzo(k)fluoranthene
Concen: 4.255 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.4
125	10.9	7.0	10.6





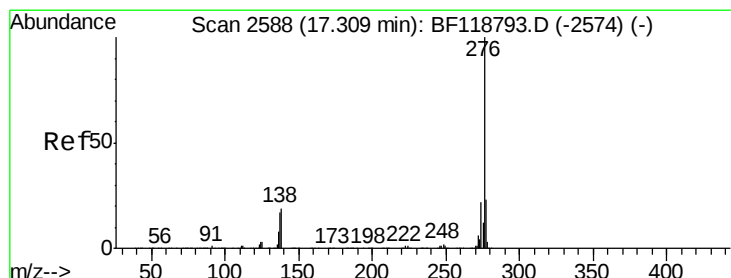
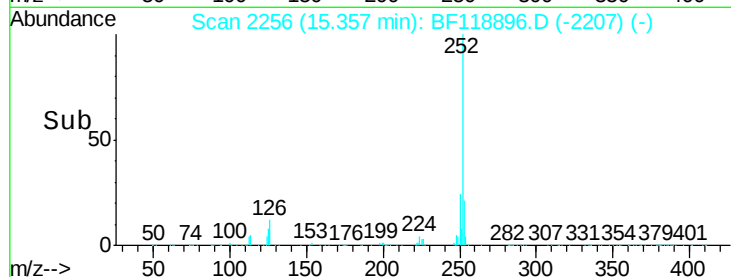
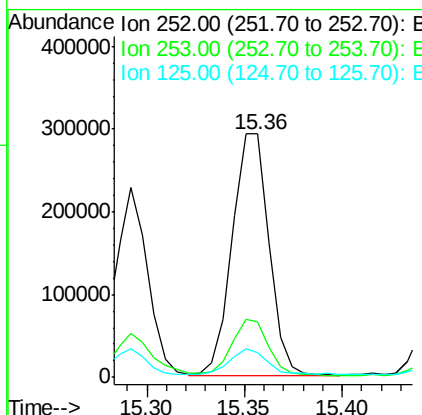
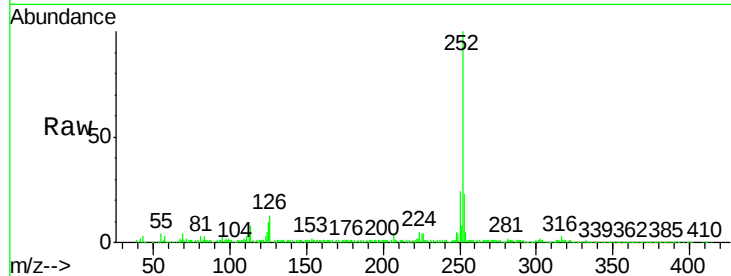
#90
Benzo(a)pyrene
Concen: 10.707 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Instrument :
BNA_F
ClientSampleId :
TR-05-021020

Tot Ion:	252	Resp:	383717
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.1	27.1
125	10.1	8.7	13.1

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#92
Benzo(g,h,i)perylene
Concen: 4.801 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.02 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Tgt Ion:	276	Resp:	146882
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.7	28.1
138	20.3	15.4	23.2

