

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
 Data File : BF118819.D
 Acq On : 4 Feb 2020 23:30
 Operator : CG/JU
 Sample : L1383-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-A

Manual Integrations
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Quant Time: Feb 05 07:21:09 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	6.82	152	274258	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1027453	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	543278	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	901482	20.00	ng	0.00
76) Chrysene-d12	13.96	240	616203	20.00	ng	-0.02
87) Perylene-d12	15.41	264	756955	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	312054	21.54	ng	-0.01
7) Phenol-d6	6.43	99	387392	21.54	ng	-0.02
23) Nitrobenzene-d5	7.37	82	234662	13.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	113144	17.41	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	459582	15.12	ng	-0.01
79) Terphenyl-d14	12.91	244	407791	13.59	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.35	178	161185	3.634	ng	97
75) Fluoranthene	12.54	202	203439	4.201	ng	98
78) Pyrene	12.77	202	317596	7.513	ng	97
81) Benzo(a)anthracene	13.96	228	197675m	5.391	ng	
83) Chrysene	13.99	228	196654	5.344	ng	97
86) Indeno(1,2,3-cd)pyrene	16.83	276	160673	4.345	ng	98
88) Benzo(b)fluoranthene	14.99	252	279116m	5.942	ng	
90) Benzo(a)pyrene	15.34	252	283451	7.051	ng	99
92) Benzo(g,h,i)perylene	17.26	276	168721	4.916	ng	97

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

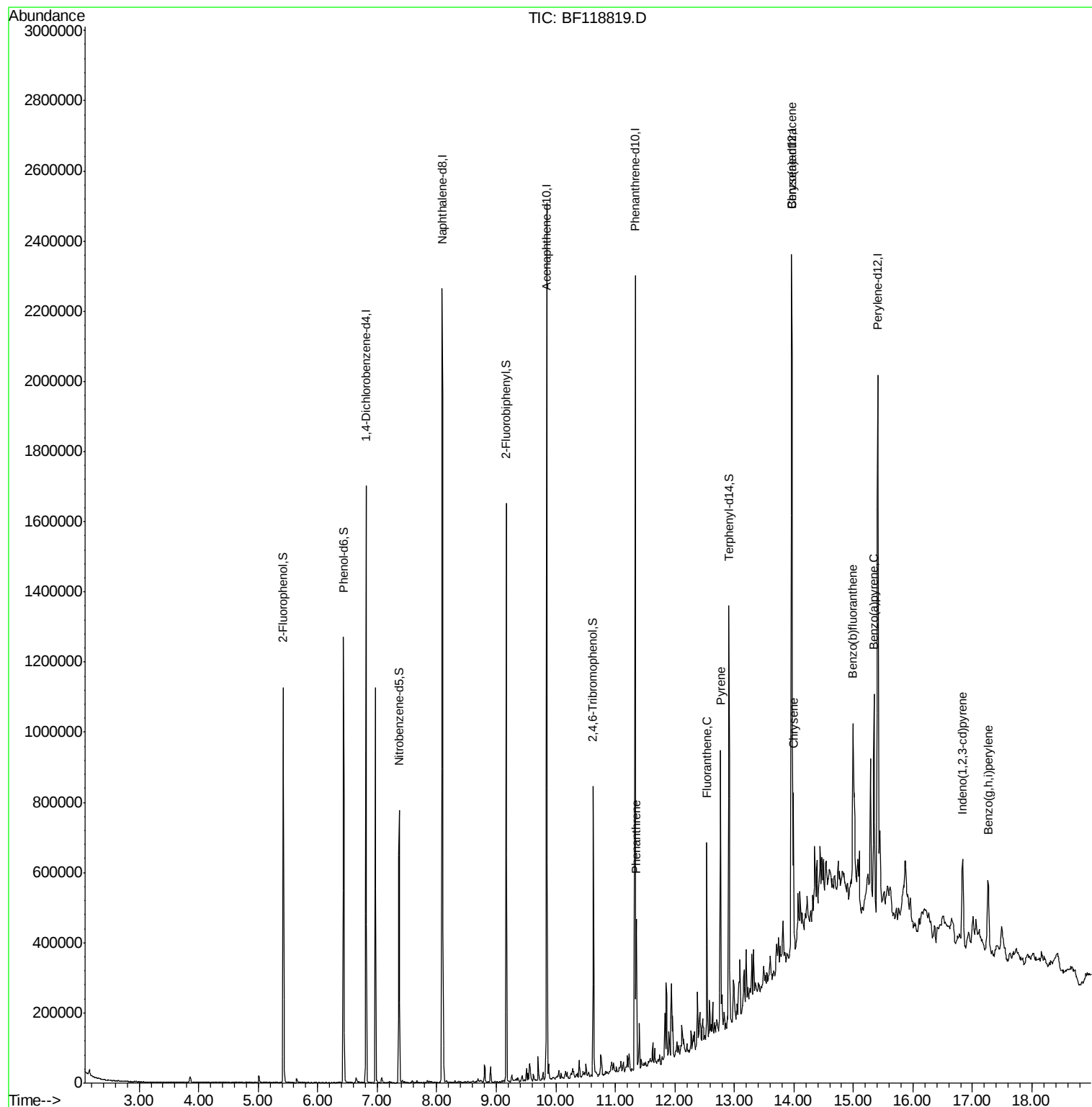
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

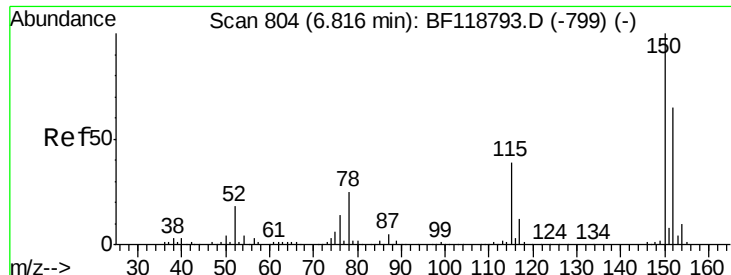
Instrument :
BNA_F
ClientSampled :
TP-A

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Quant Time: Feb 05 07:21:09 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

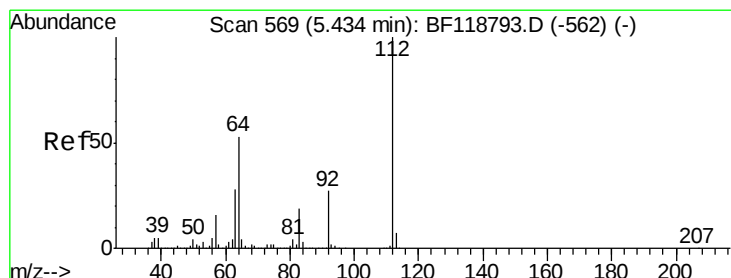
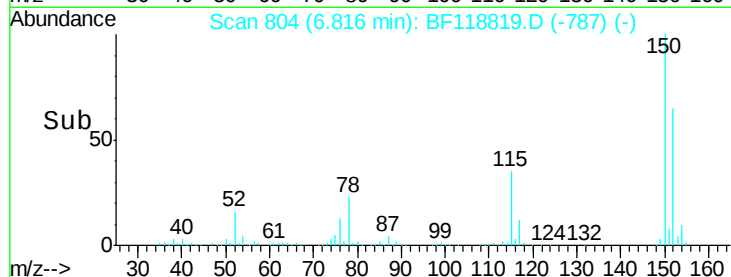
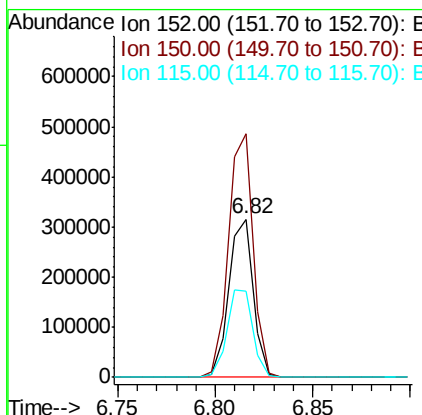
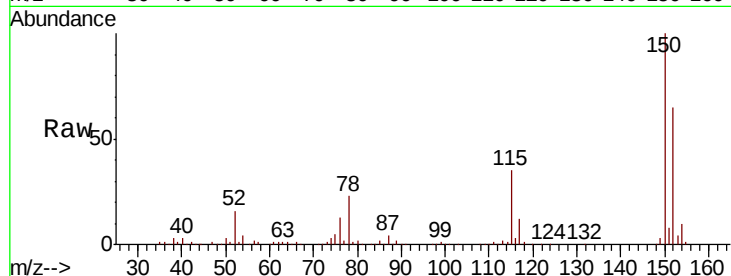
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Instrument :
BNA_F
ClientSampled :
TP-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.6	185.4
115	54.7	48.2	72.2

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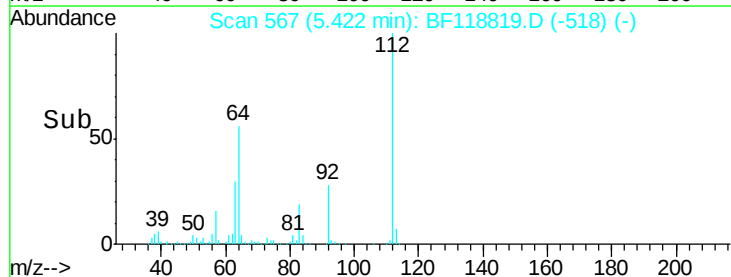
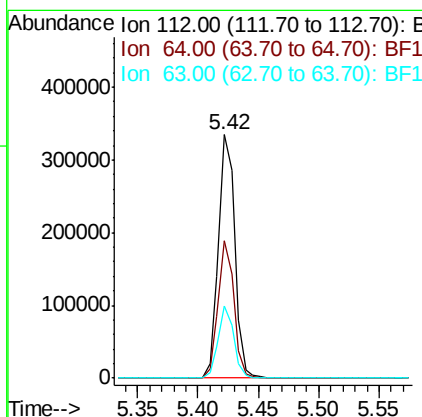
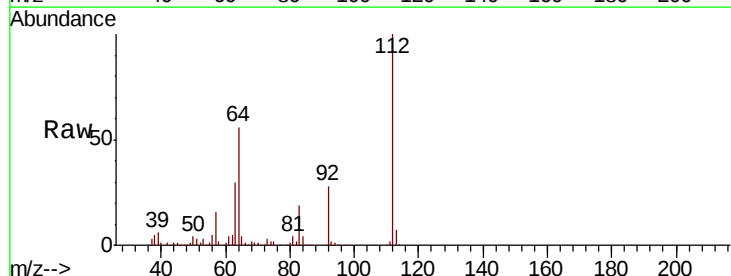
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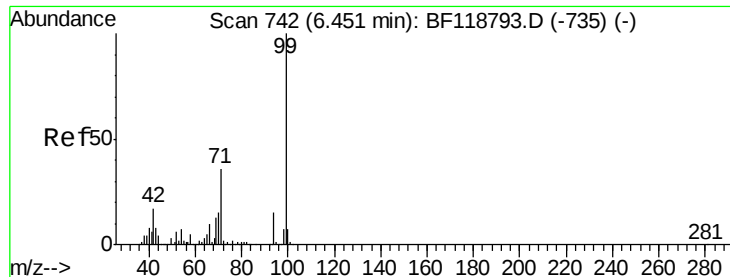


#5

2-Fluorophenol
Concen: 21.538 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	42.6	63.8
63	29.5	22.2	33.4





#7

Phenol-d6

Concen: 21.539 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Instrument :

BNA_F

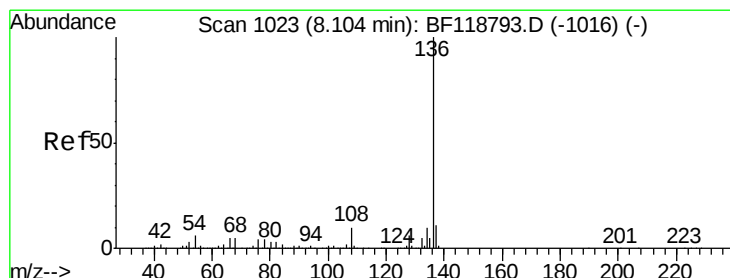
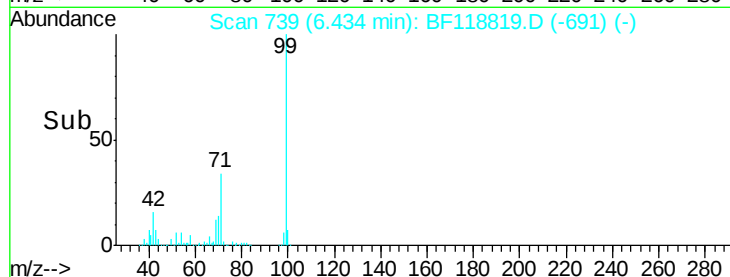
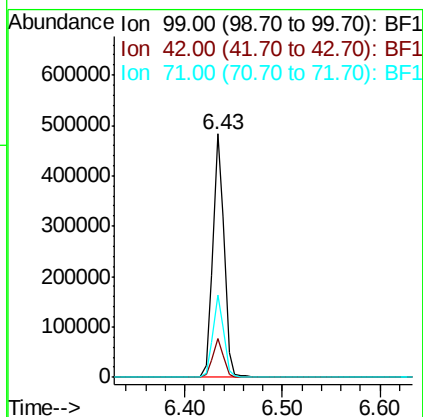
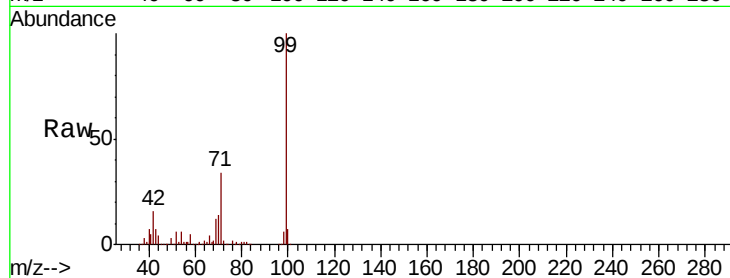
ClientSampleId :

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Tot Ion:	99	Resp:	387392
Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.4	20.0
71	34.1	29.0	43.6

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#21

Naphthalene-d8

Concen: 20.000 ng

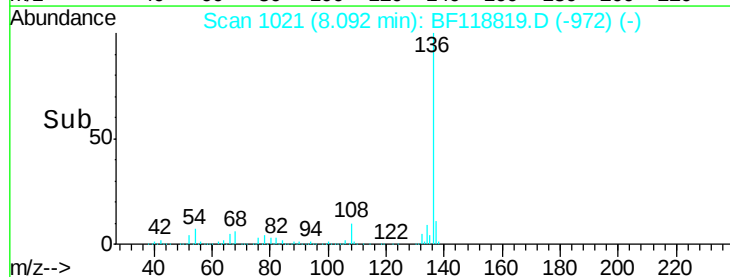
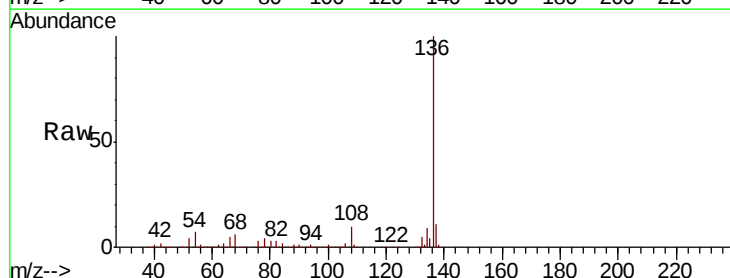
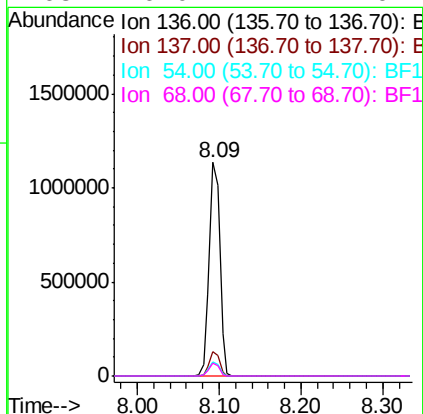
RT: 8.09 min Scan# 1021

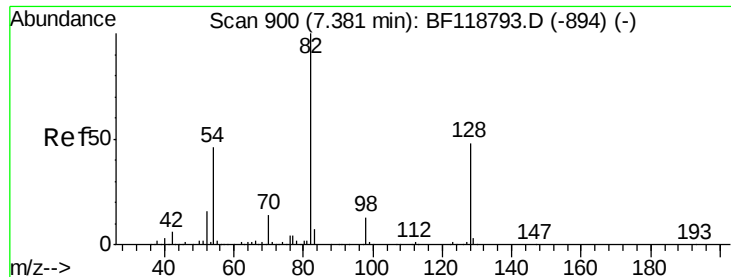
Delta R.T. -0.01 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Tgt Ion:	136	Resp:	1027453
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	6.9	5.0	7.6
68	6.0	4.2	6.4





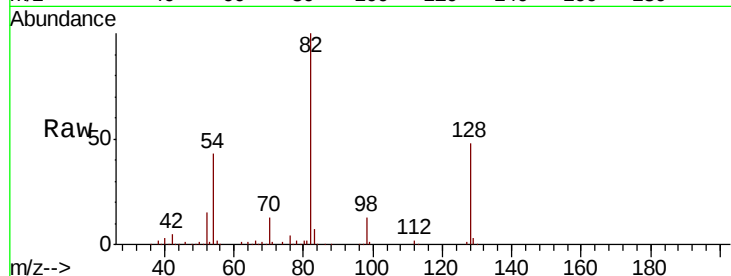
#23
 Nitrobenzene-d5
 Concen: 13.613 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF118819.D
 Acq: 4 Feb 2020 23:30

Instrument :
 BNA_F
 ClientSampleId :
 TP-A

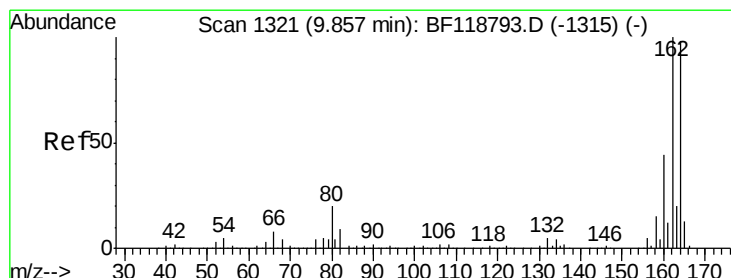
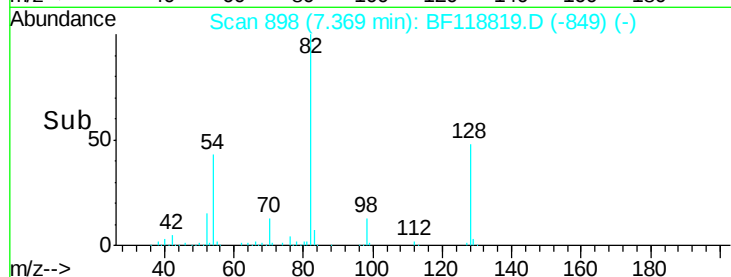
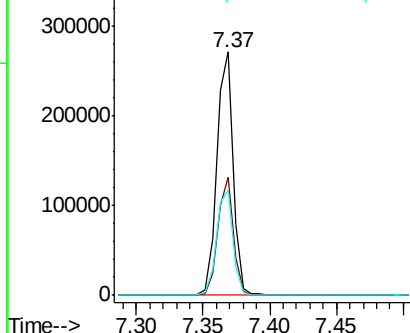
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	38.5	57.7
54	43.2	36.7	55.1

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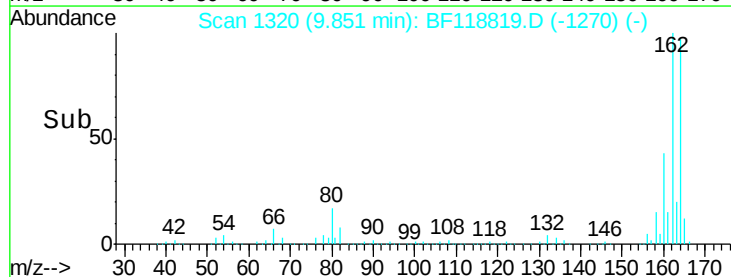
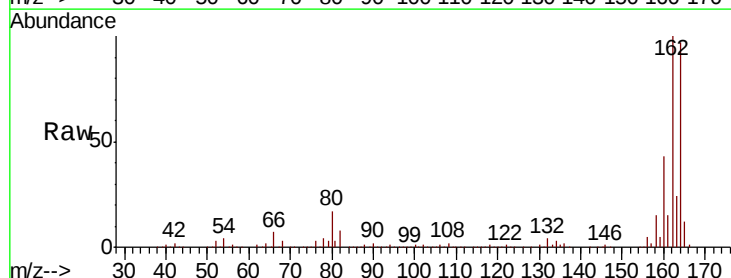
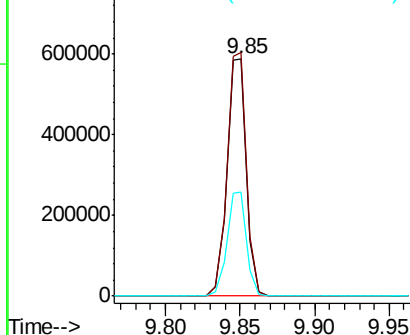
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

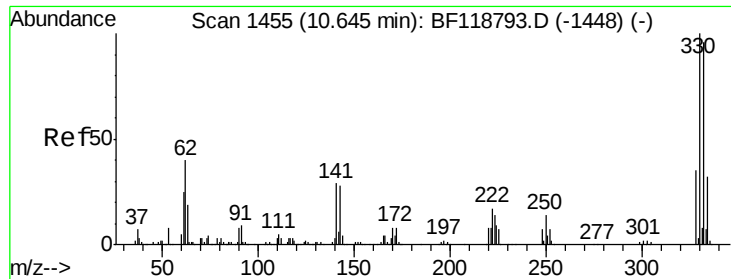


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF118819.D
 Acq: 4 Feb 2020 23:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.4	122.2
160	44.1	35.6	53.4

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: 17.406 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Instrument :

BNA_F

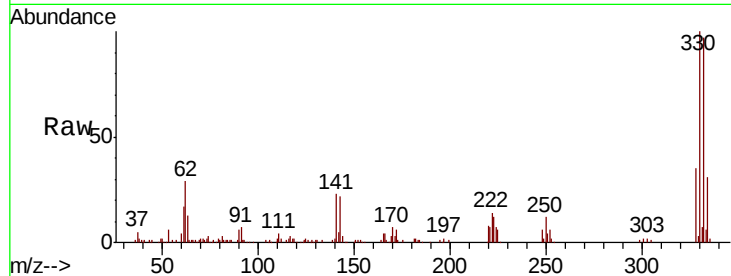
ClientSampleId :

TP-A

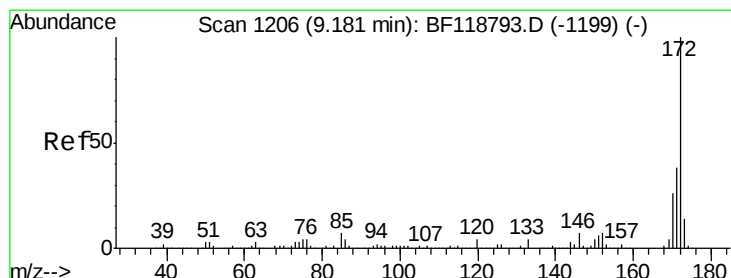
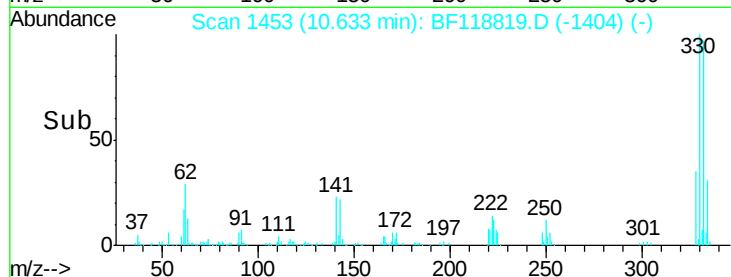
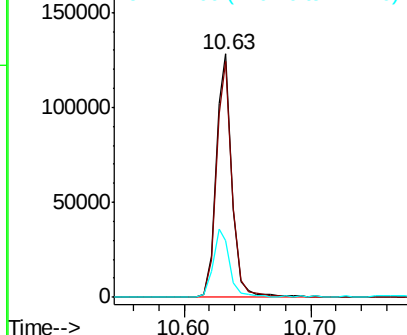
Tot Ion:	330	Resp:	113144
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.3	115.9
141	29.4	22.4	33.6

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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: 15.123 ng

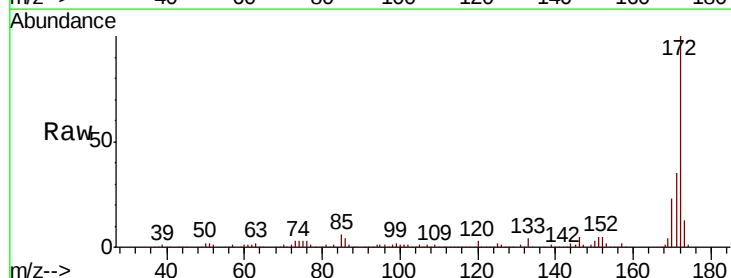
RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

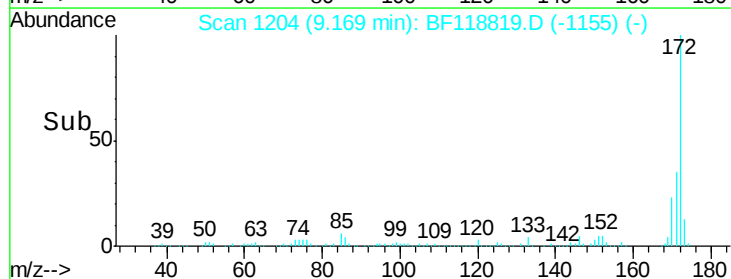
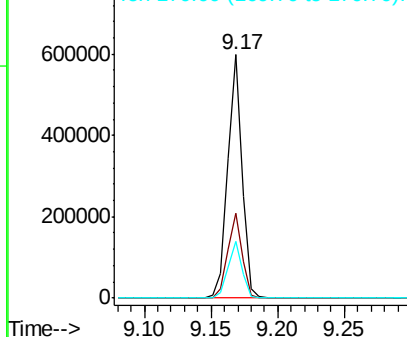
Lab File: BF118819.D

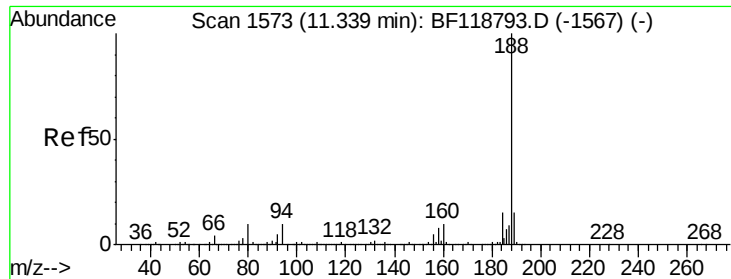
Acq: 4 Feb 2020 23:30

Tgt Ion:	172	Resp:	459582
Ion Ratio	Lower	Upper	
172	100		
171	35.0	30.8	46.2
170	23.3	20.5	30.7



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





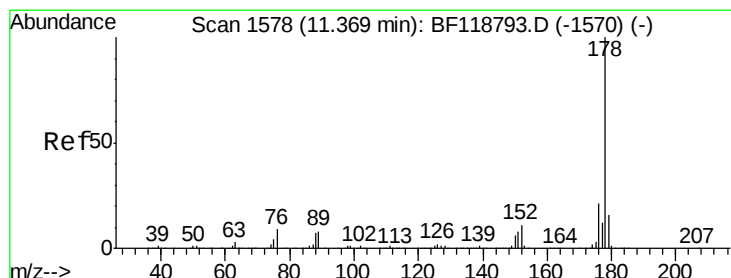
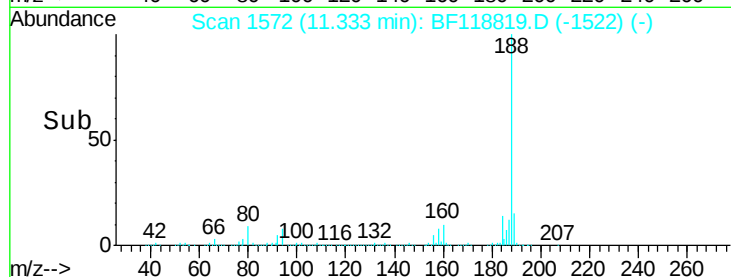
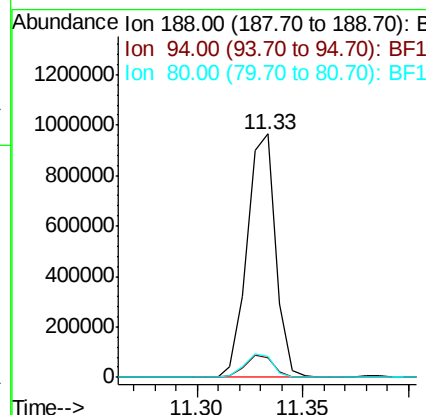
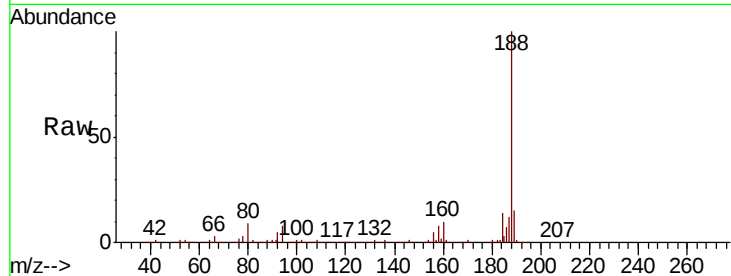
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Instrument :
BNA_F
ClientSampleId :
TP-A

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.1	7.9	11.9
80	8.6	8.4	12.6

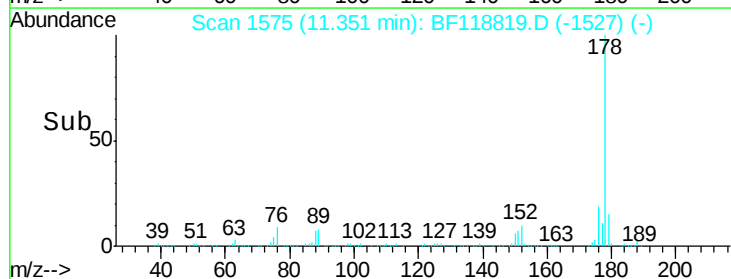
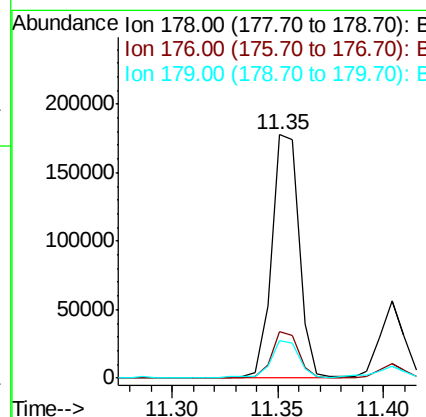
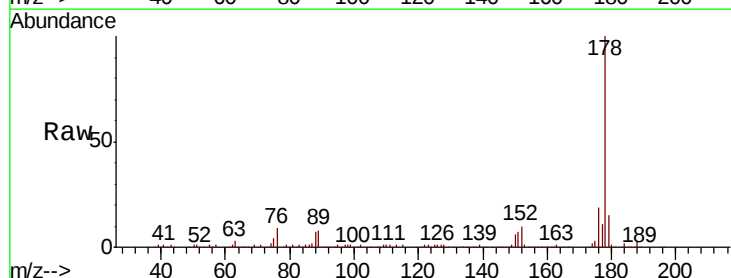
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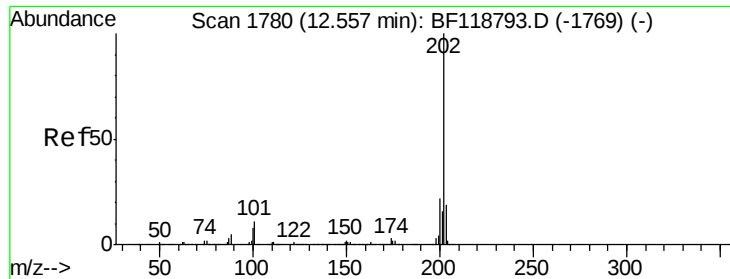
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#71
Phenanthrene
Concen: 3.634 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	16.6	24.8
179	15.5	13.2	19.8





#75

Fluoranthene

Concen: 4.201 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.02 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Instrument :

BNA_F

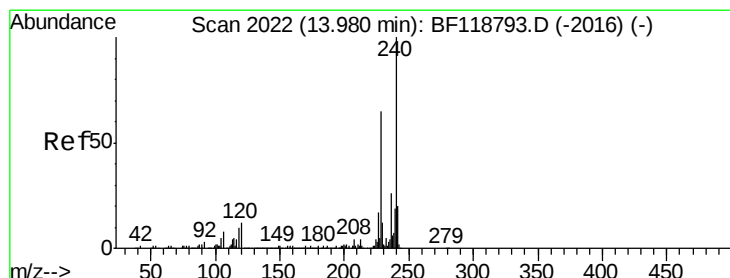
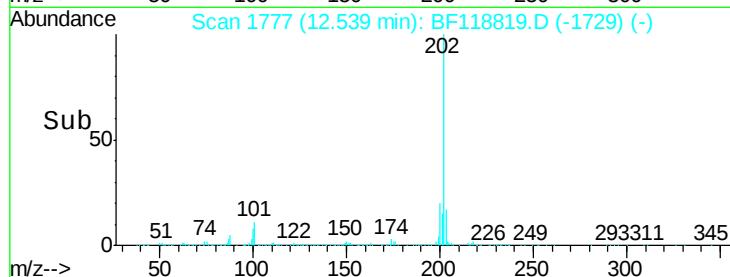
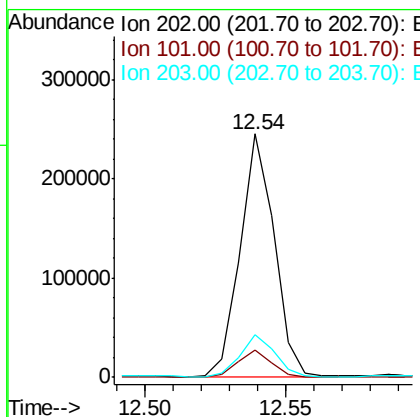
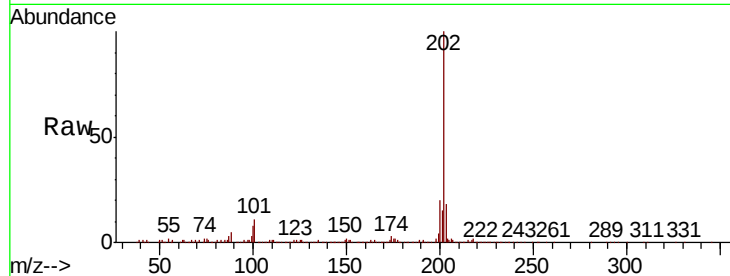
ClientSampleId :

TP-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	11.3	0.0	31.0		
203	17.5	0.0	38.7		

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#76

Chrysene-d12

Concen: 20.000 ng

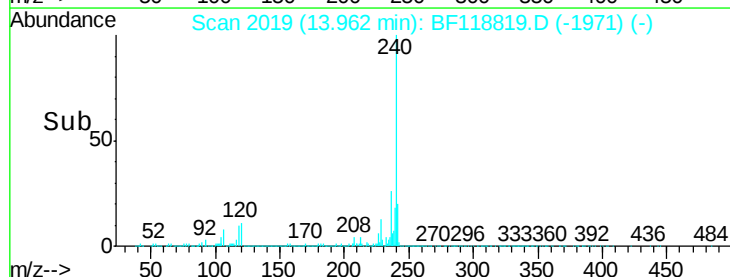
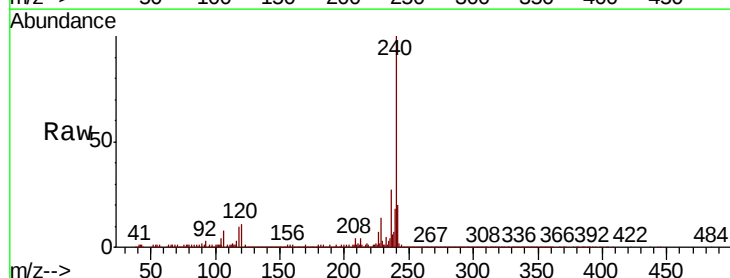
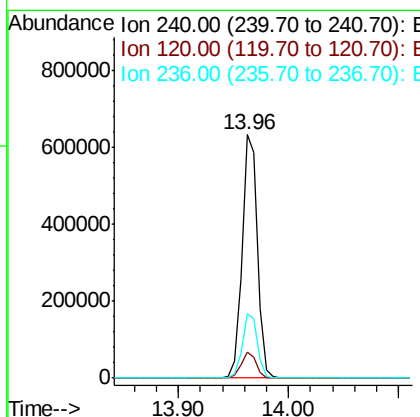
RT: 13.96 min Scan# 2019

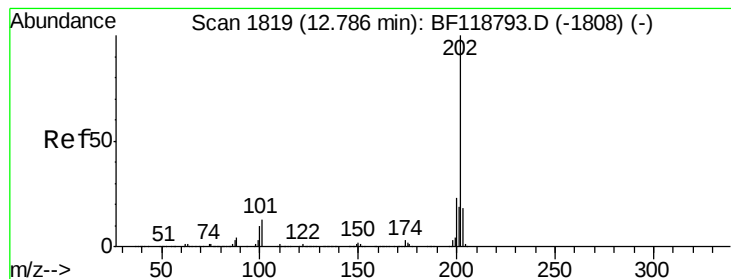
Delta R.T. -0.02 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.8	9.4	14.0		
236	26.5	21.0	31.6		





#78

Pvrene

Concen: 7.513 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Instrument :

BNA_F

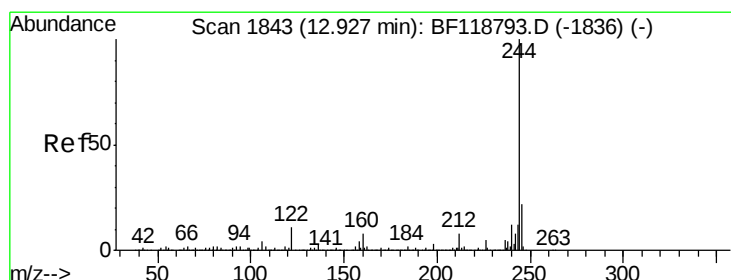
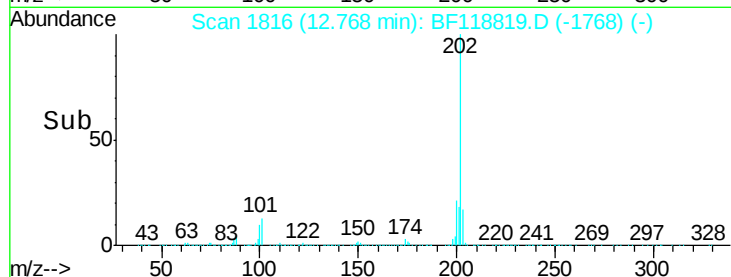
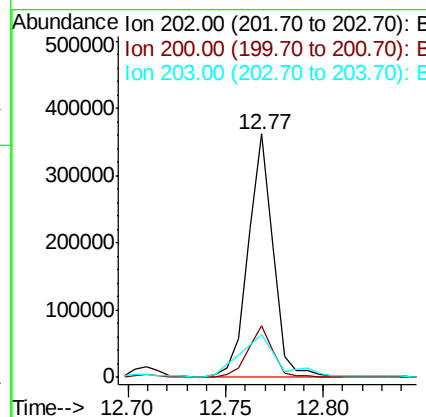
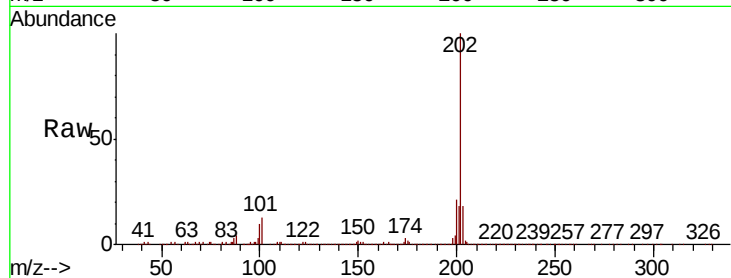
ClientSampleId :

TP-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	18.2	27.2
203	17.7	14.8	22.2

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#79

Terphenyl-d14

Concen: 13.593 ng

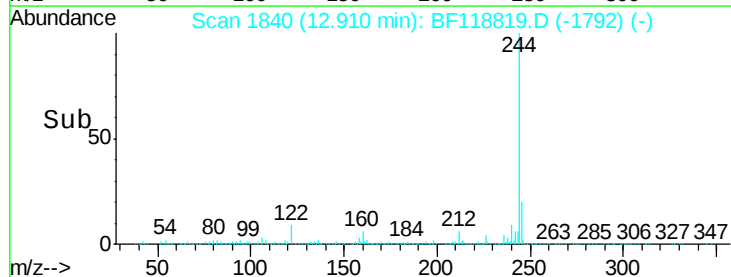
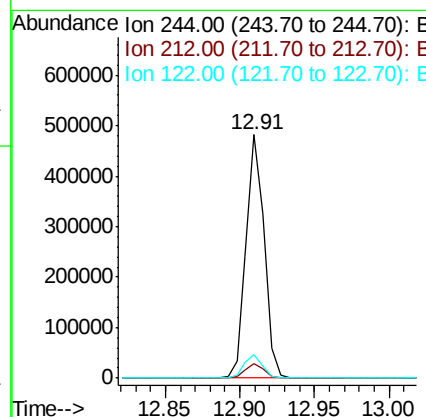
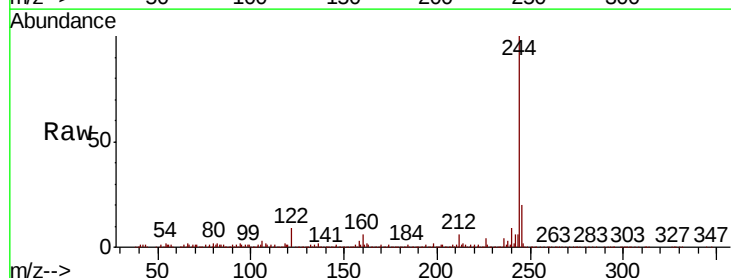
RT: 12.91 min Scan# 1840

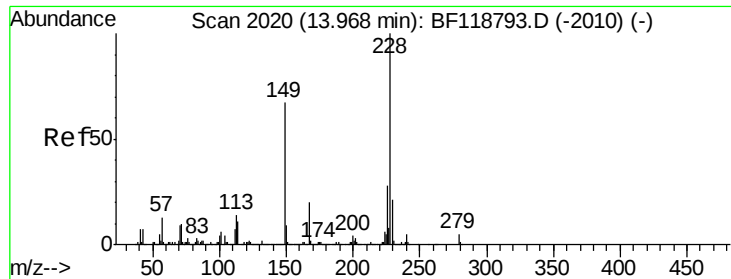
Delta R.T. -0.02 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	6.5	9.7#
122	9.5	8.9	13.3





#81

Benzo(a)anthracene

Concen: 5.391 ng m

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Instrument :

BNA_F

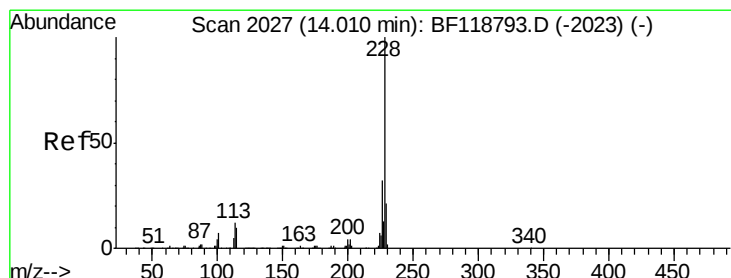
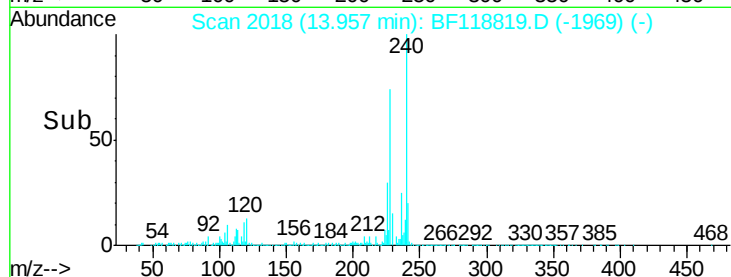
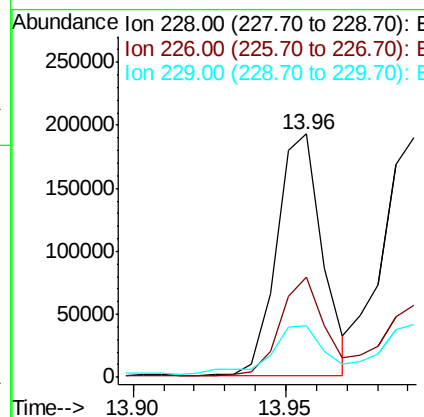
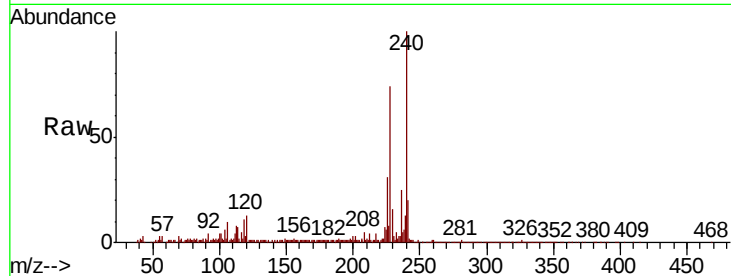
ClientSampled :

TP-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	41.3	22.7	34.1#
229	21.4	16.6	25.0

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2/6/2020 2:17:28 PM



#83

Chrysene

Concen: 5.344 ng

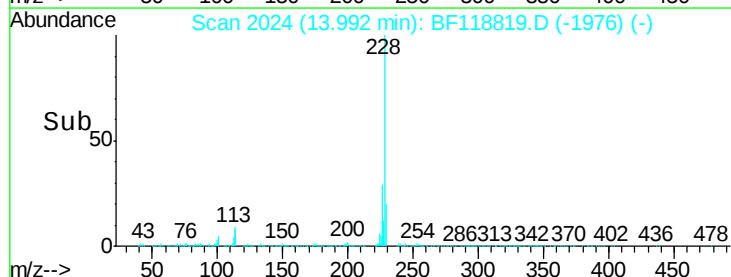
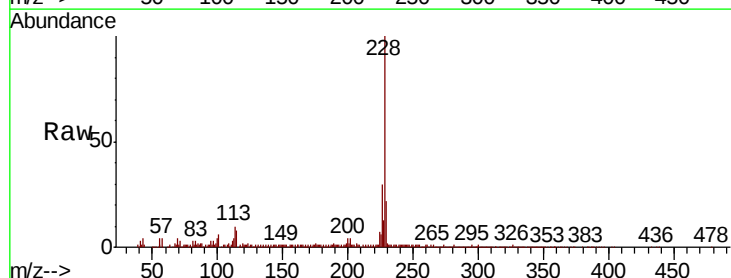
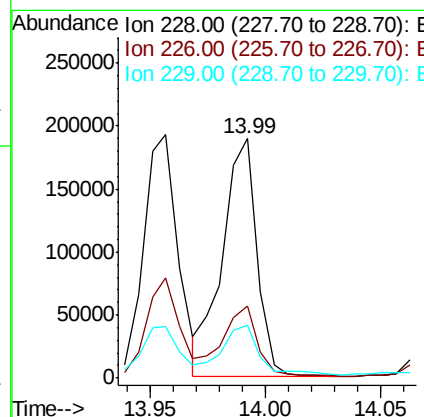
RT: 13.99 min Scan# 2024

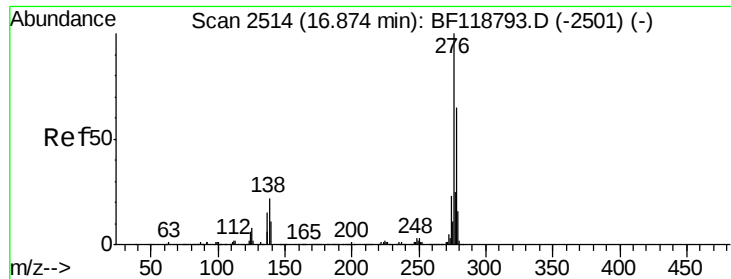
Delta R.T. -0.02 min

Lab File: BF118819.D

Acq: 4 Feb 2020 23:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.0
229	22.1	16.9	25.3





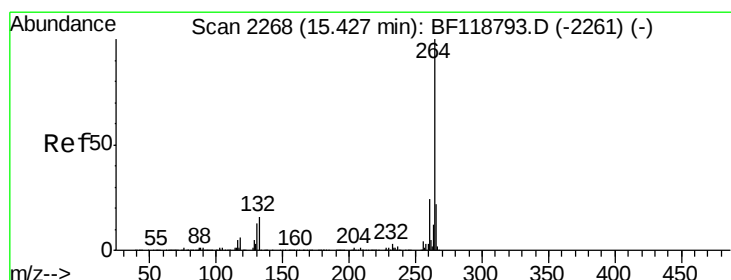
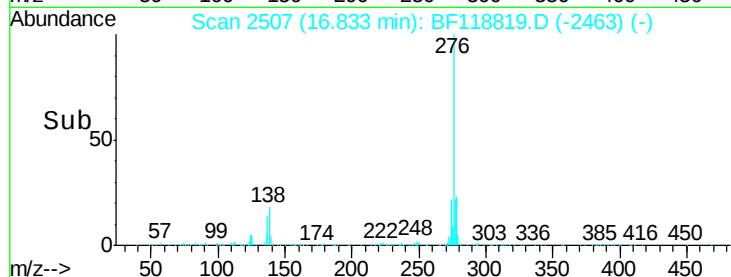
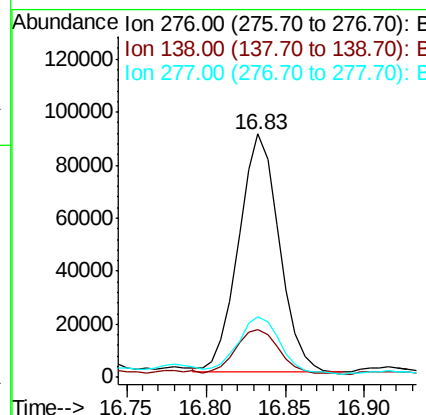
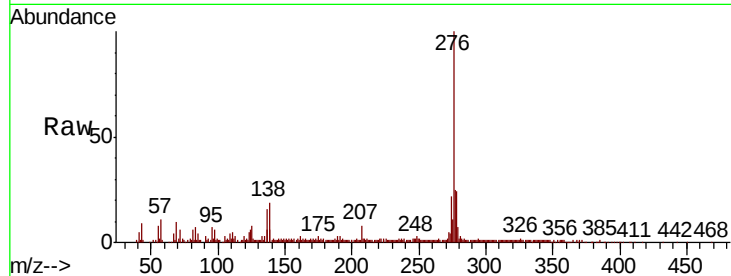
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.345 ng
RT: 16.83 min Scan# 2507
Delta R.T. -0.04 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Instrument :
BNA_F
ClientSampleId :
TP-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	18.3	27.5
277	25.1	20.2	30.4

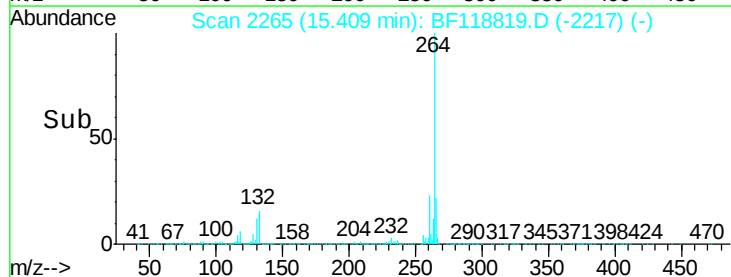
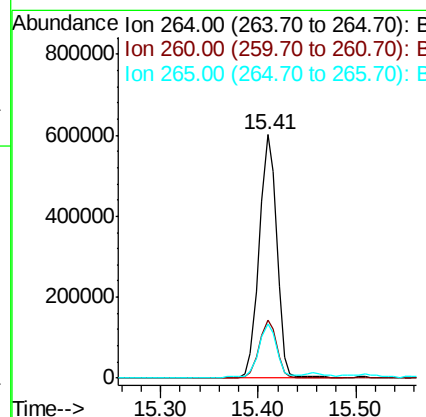
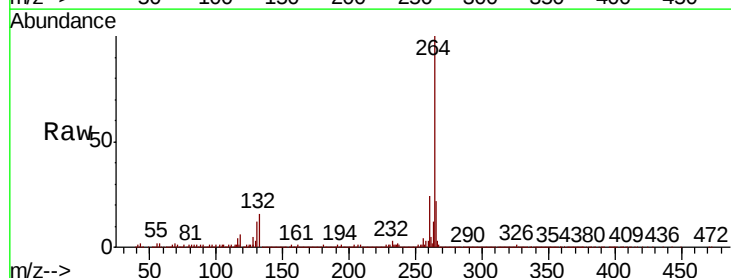
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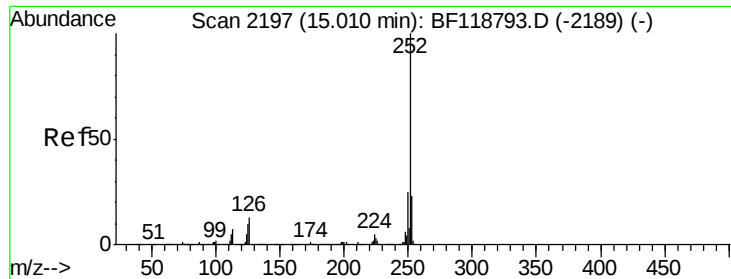
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	22.3	17.2	25.8





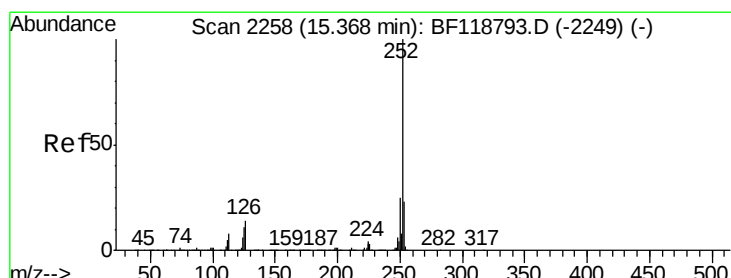
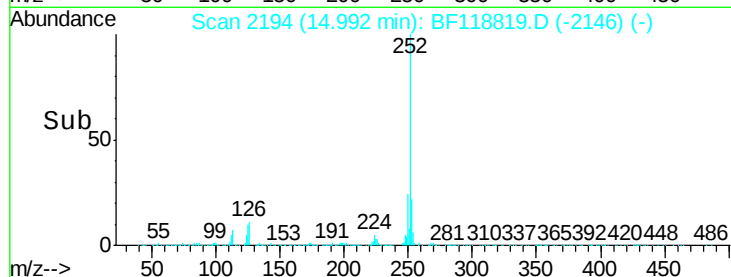
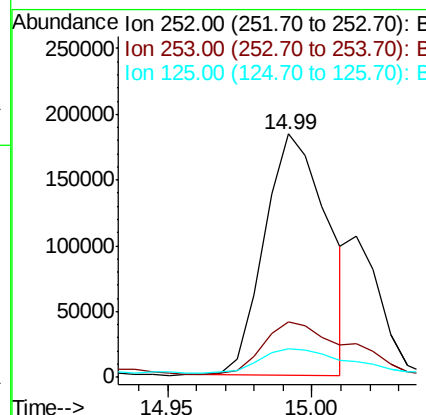
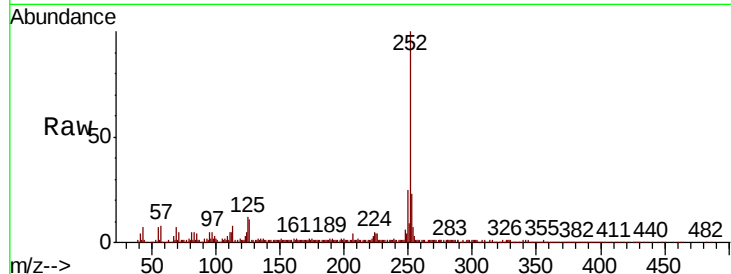
#88
Benzo(b)fluoranthene
Concen: 5.942 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Instrument :
BNA_F
ClientSampled :
TP-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	11.9	8.1	12.1

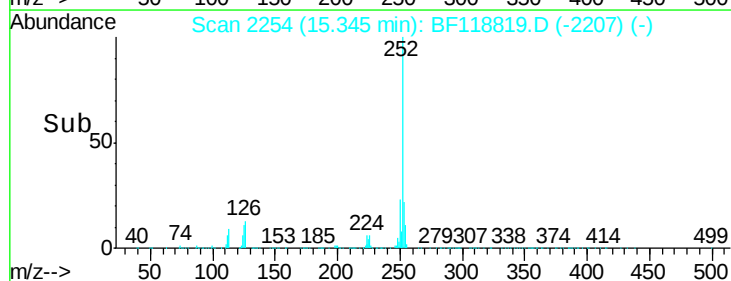
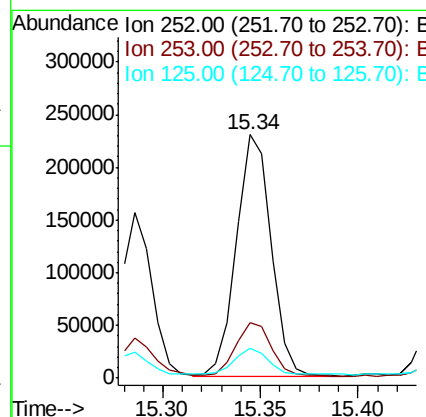
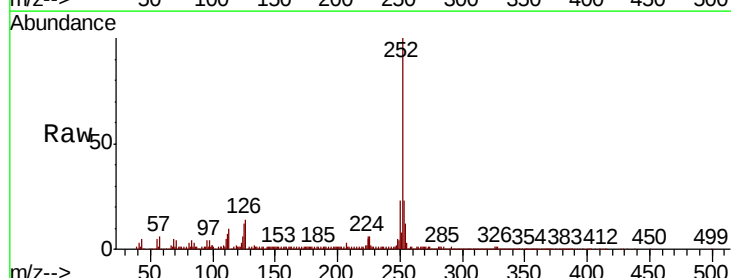
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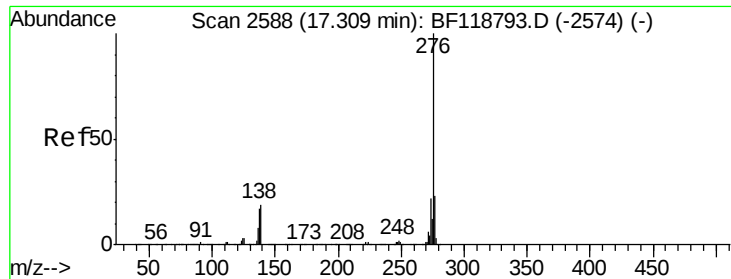
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#90
Benzo(a)pyrene
Concen: 7.051 ng
RT: 15.34 min Scan# 2254
Delta R.T. -0.02 min
Lab File: BF118819.D
Acq: 4 Feb 2020 23:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	12.4	8.7	13.1





#92
 Benzo(a,h,i)perylene
 Concen: 4.916 ng
 RT: 17.26 min Scan# 2580
 Delta R.T. -0.05 min
 Lab File: BF118819.D
 Acq: 4 Feb 2020 23:30

Instrument :
 BNA_F
 ClientSampleId :
 TP-A

Tot Ion:	276	Resp:	168721
Ion Ratio	Lower	Upper	
276	100		
277	23.2	18.7	28.1
138	21.7	15.4	23.2

Manual Integrations
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