

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\
 Data File : BF116459.D
 Acq On : 21 Aug 2019 12:19
 Operator : HP/JU
 Sample : K4354-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PX-01-081319

Manual Integrations
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 8/22/2019 1:57:46 PM

Quant Time: Aug 21 18:01:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	93182	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	363595	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	195433	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	354332	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	248783	20.00	ng	-0.02
87) Perylene-d12	15.42	264	272912	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	536344	96.36	ng	-0.02
7) Phenol-d6	6.44	99	741943	105.65	ng	-0.02
23) Nitrobenzene-d5	7.36	82	443897	70.47	ng	-0.03
42) 2,4,6-Tribromophenol	10.62	330	177680	93.77	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	721511	69.15	ng	-0.02
79) Terphenyl-d14	12.89	244	765363	64.83	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.55	163	150656	11.322	ng	99
71) Phenanthrene	11.34	178	263906	14.569	ng	99
72) Anthracene	11.40	178	60020	3.274	ng	98
75) Fluoranthene	12.53	202	448837	23.668	ng	97
78) Pyrene	12.76	202	397915	21.218	ng	99
81) Benzo(a)anthracene	13.95	228	216911	13.641	ng	99
83) Chrysene	13.99	228	186072	12.053	ng	98
86) Indeno(1,2,3-cd)pyrene	16.89	276	80129	6.180	ng	96
88) Benzo(b)fluoranthene	15.00	252	232087m	14.708	ng	
89) Benzo(k)fluoranthene	15.02	252	79311m	5.160	ng	
90) Benzo(a)pyrene	15.36	252	165195	11.711	ng	100
91) Dibenzo(a,h)anthracene	16.88	278	24702m	2.023	ng	
92) Benzo(a,h,i)perylene	17.33	276	74709	6.230	ng	95

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

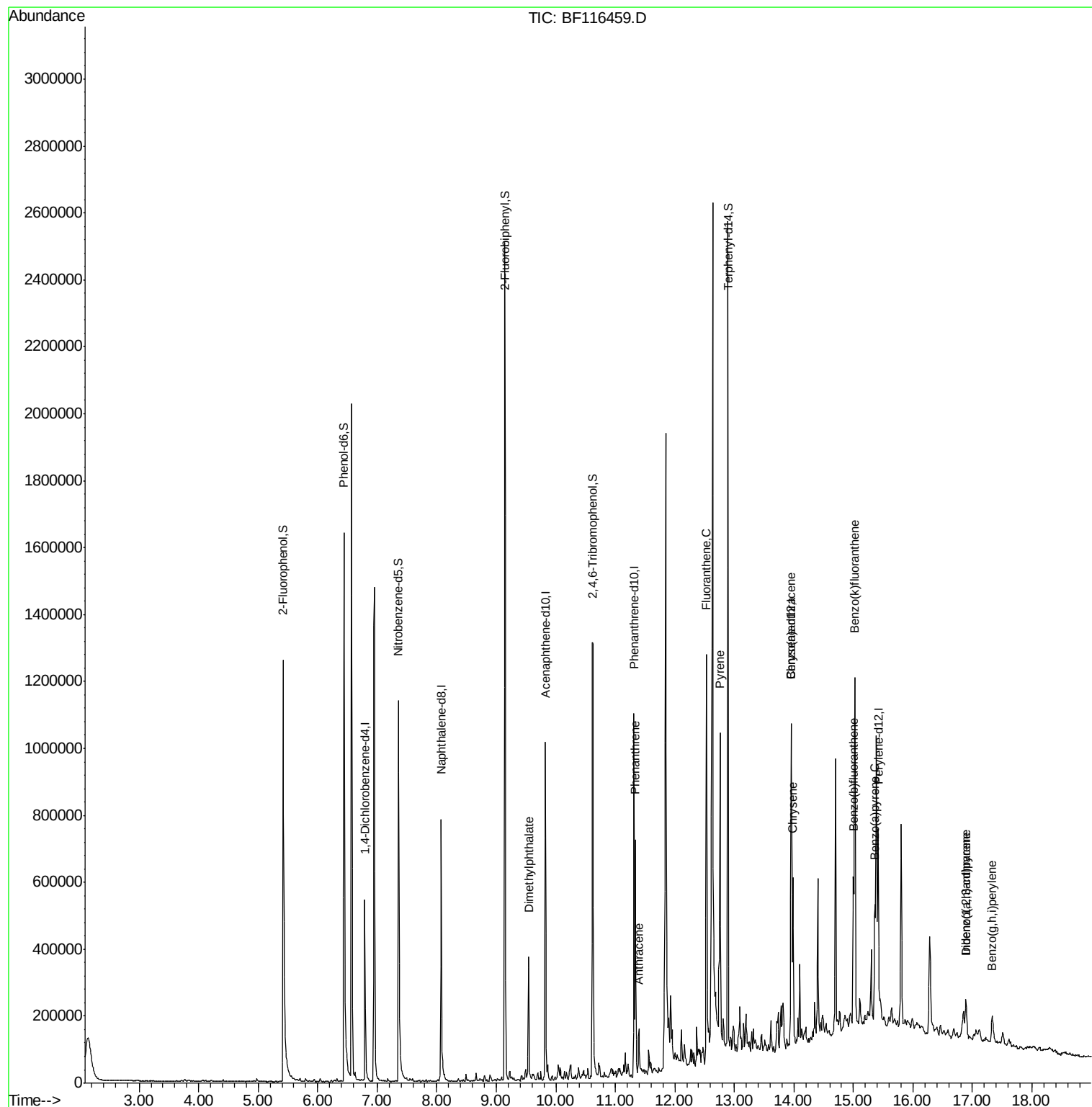
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\
Data File : BF116459.D
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ALS Vial : 3 Sample Multiplier: 1

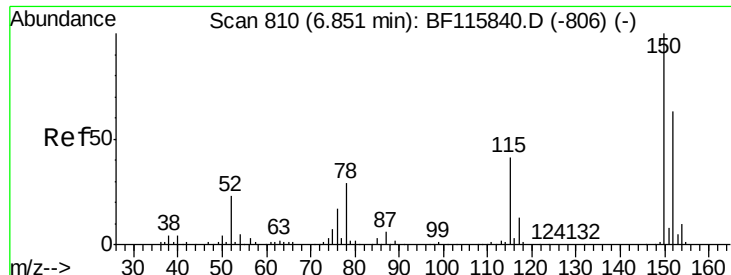
Instrument :
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PX-01-081319

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#1

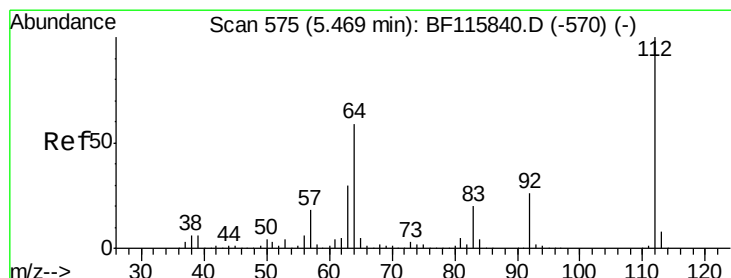
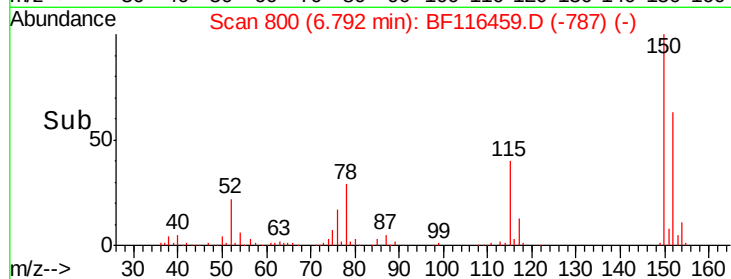
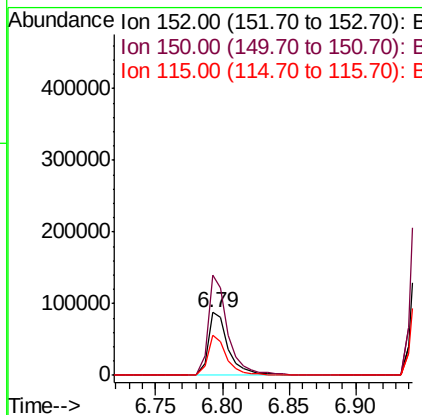
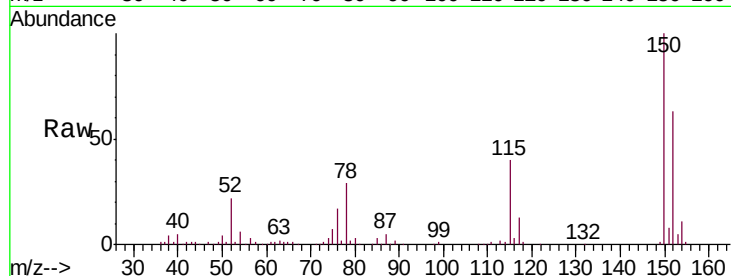
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

Instrument :
BNA_F
ClientSampled :
PX-01-081319

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	126.2	189.2
115	64.3	49.9	74.9

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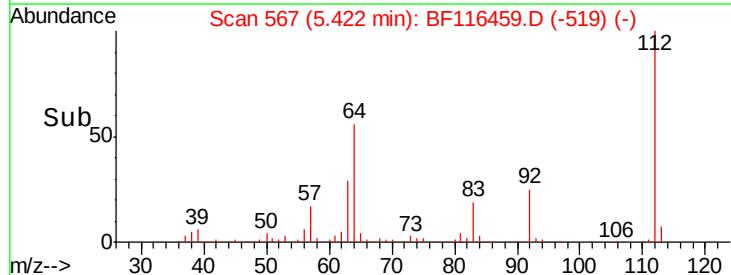
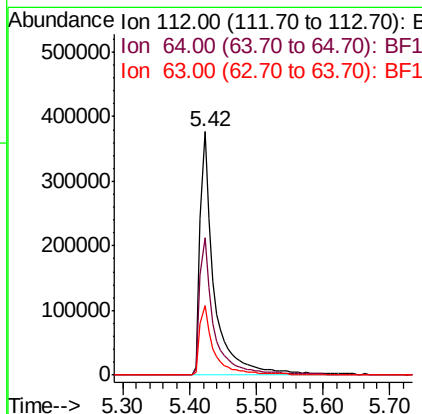
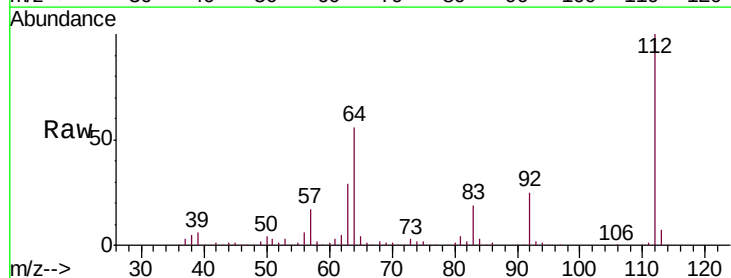
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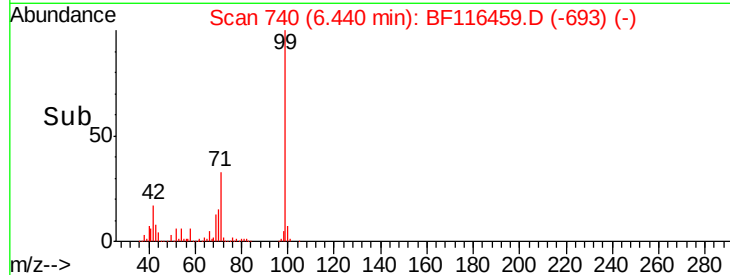
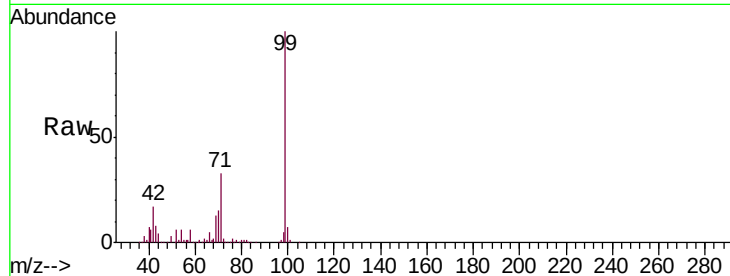
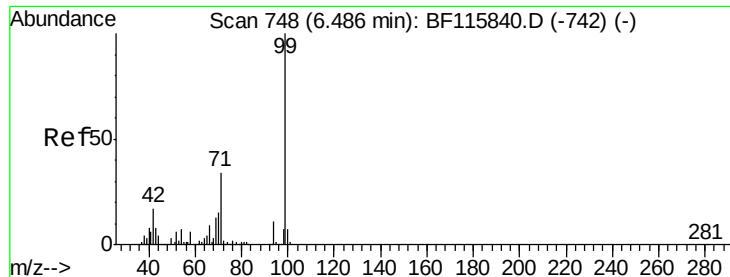


#5

2-Fluorophenol
Concen: 96.357 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	45.4	68.2
63	28.8	23.7	35.5





#7

Phenol-d6

Concen: 105.648 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

Tot Ion:	99	Resp:	741943
Ion Ratio	Lower	Upper	
99	100		
42	17.1	13.8	20.8
71	33.1	27.3	40.9

Instrument :

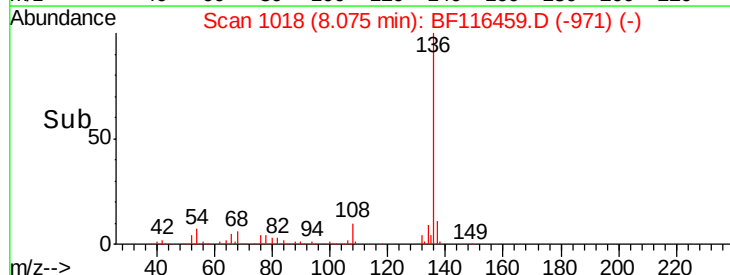
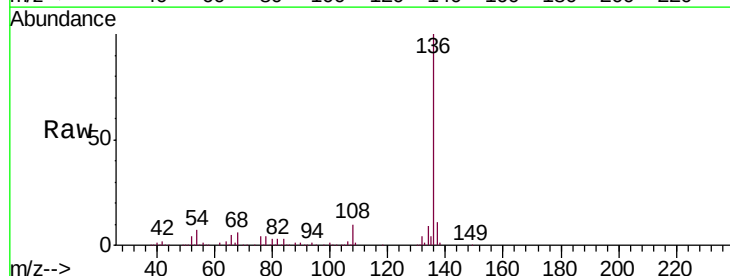
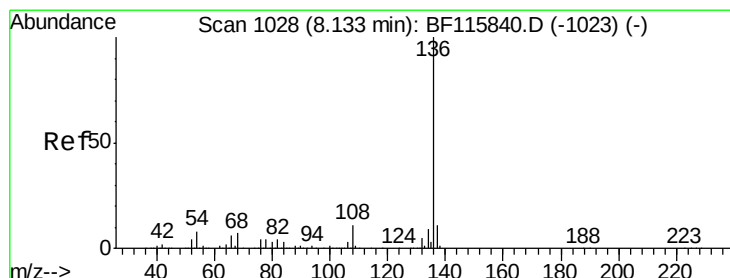
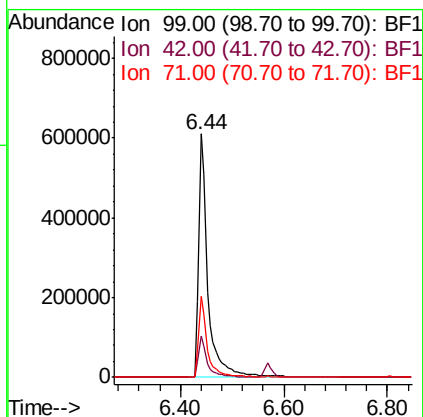
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

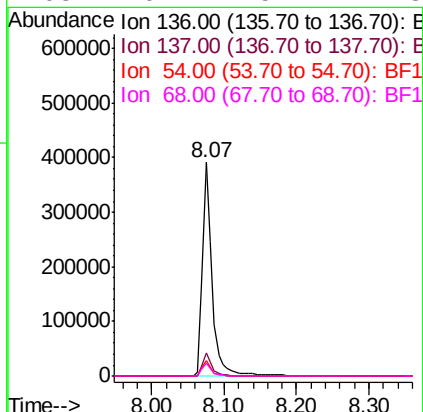
RT: 8.07 min Scan# 1018

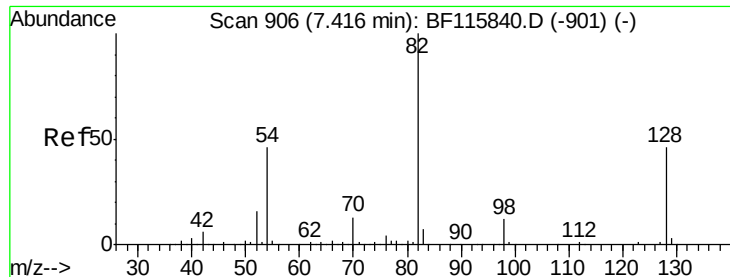
Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

Tgt Ion:	136	Resp:	363595
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	7.2	5.8	8.6
68	6.2	5.2	7.8





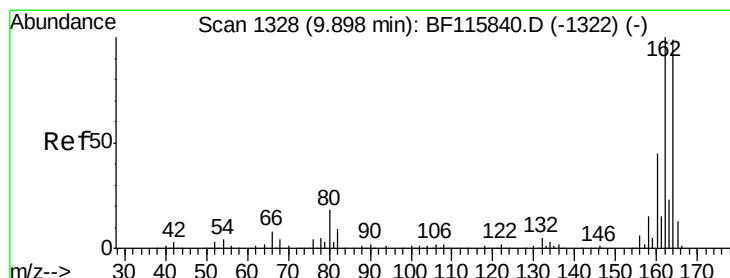
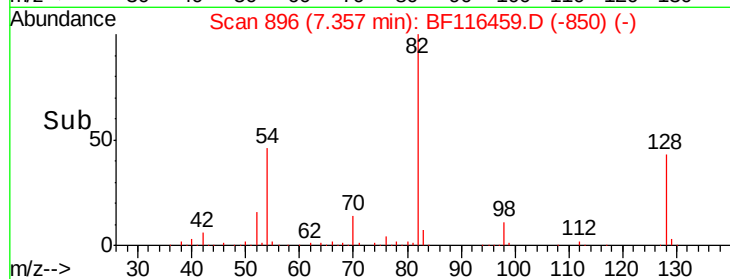
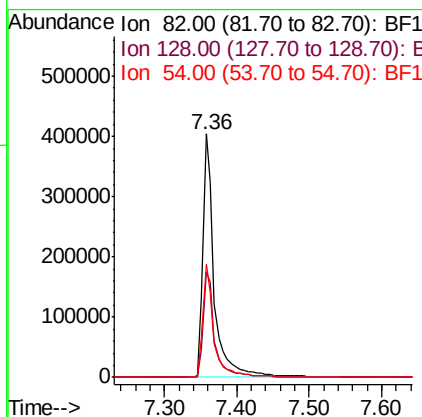
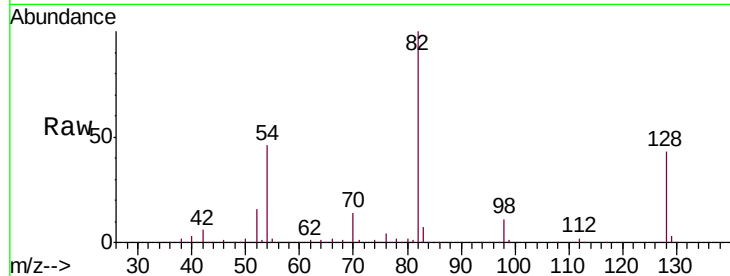
#23
 Nitrobenzene-d5
 Concen: 70.472 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.03 min
 Lab File: BF116459.D
 Acq: 21 Aug 2019 12:19

Instrument :
 BNA_F
 ClientSampleId :
 PX-01-081319

Tot Ion	Ratio	Resp	Lower	Upper
82	100	443897		
128	43.1	36.5	54.7	
54	46.3	36.0	54.0	

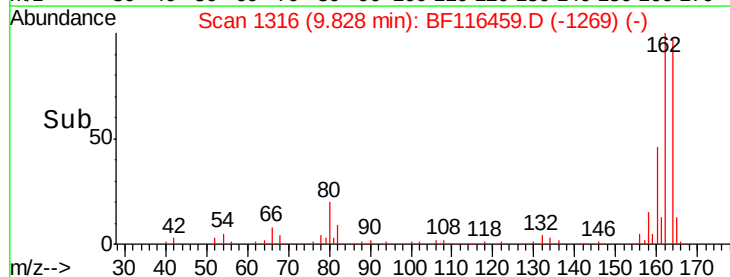
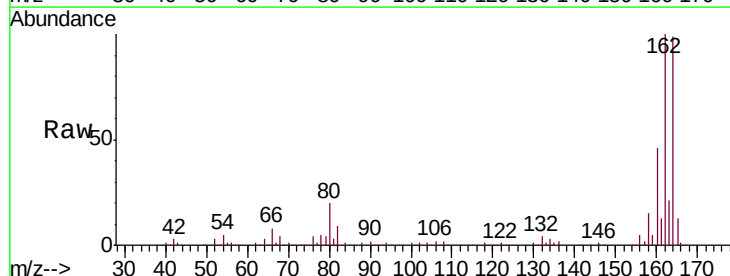
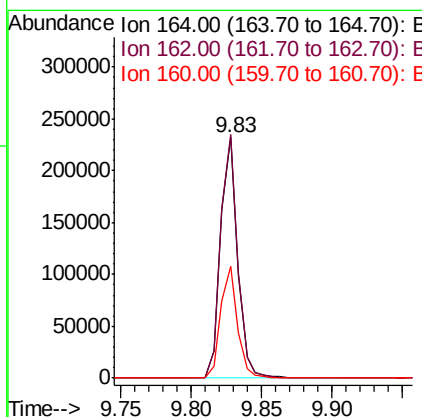
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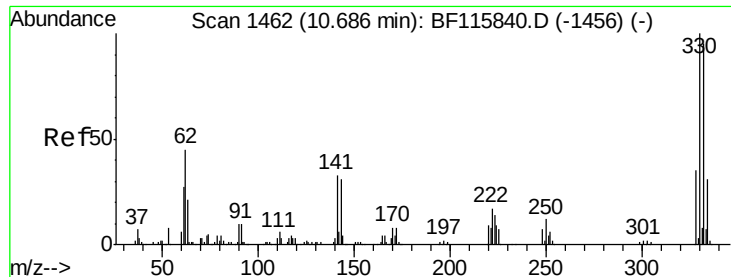
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.02 min
 Lab File: BF116459.D
 Acq: 21 Aug 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	195433		
162	101.1	82.6	124.0	
160	46.2	37.6	56.4	





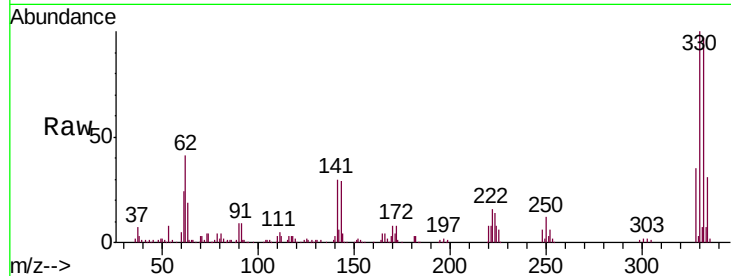
#42
 2,4,6-Tribromophenol
 Concen: 93.774 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.02 min
 Lab File: BF116459.D
 Acq: 21 Aug 2019 12:19

Instrument :
 BNA_F
 ClientSampled :
 PX-01-081319

Tot Ion	Ratio	Resp	Lower	Upper
330	100	177680		
332	97.6	76.8	115.2	
141	36.6	26.3	39.5	

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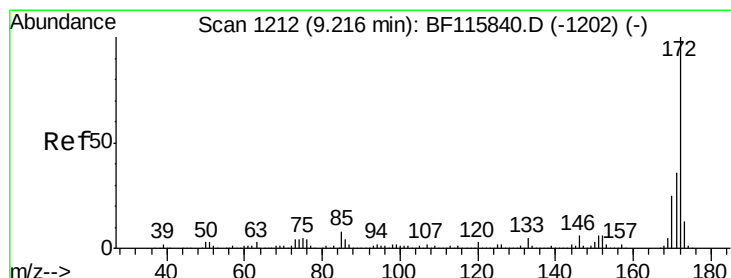
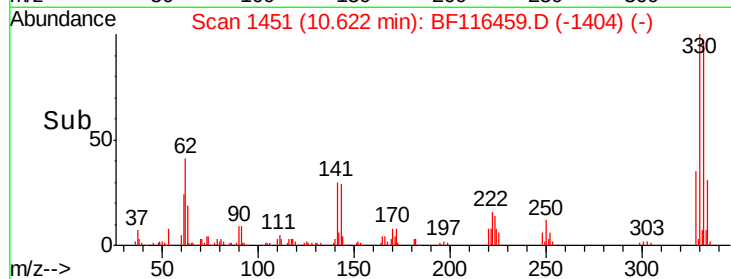
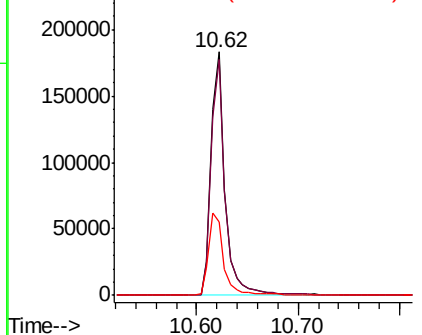


Abundance

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: 69.151 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: BF116459.D
 Acq: 21 Aug 2019 12:19

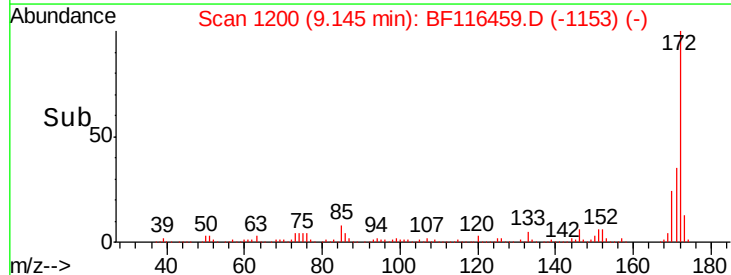
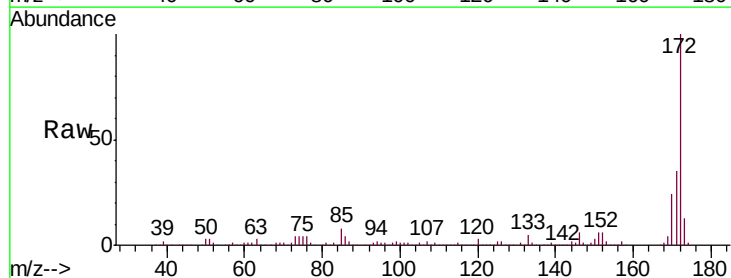
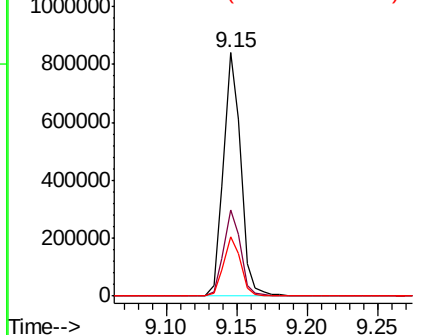
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	721511		
171	35.3	29.6	44.4	
170	24.4	20.1	30.1	

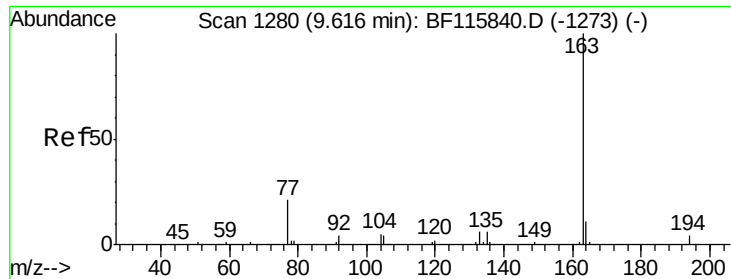
Abundance

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





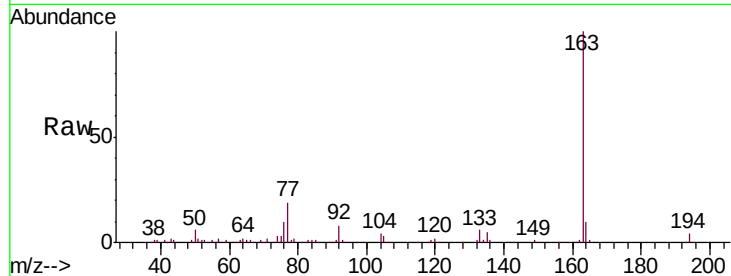
#50
Dimethylphthalate
Concen: 11.322 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

Instrument :
BNA_F
ClientSampleId :
PX-01-081319

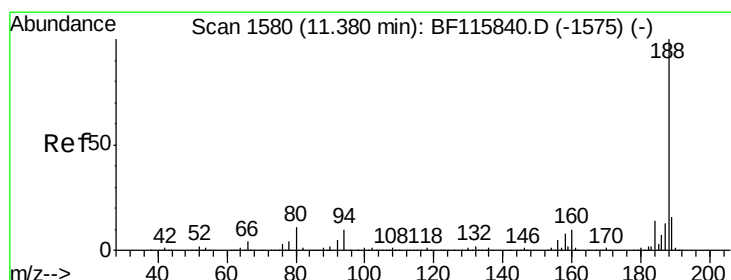
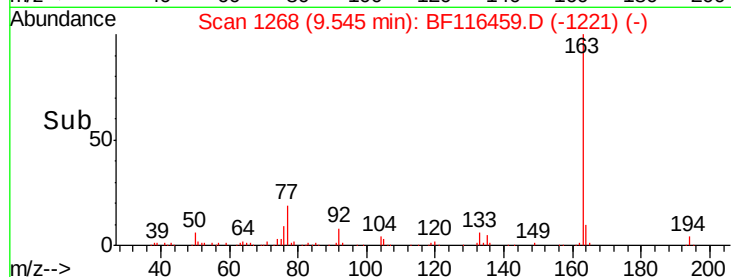
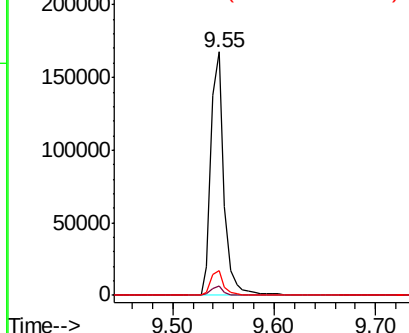
Tot Ion:	163	Resp:	150656
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.6
164	10.1	8.4	12.6

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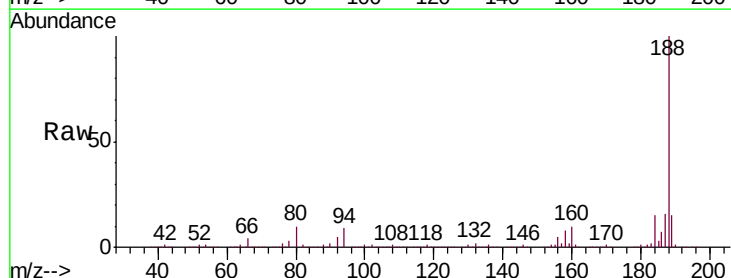


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

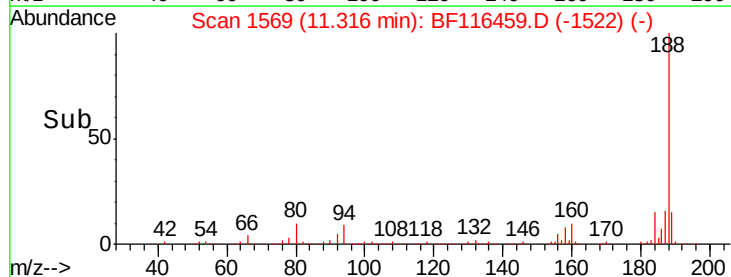
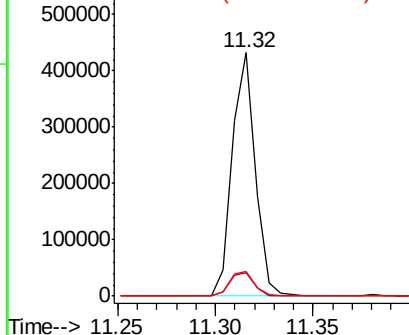


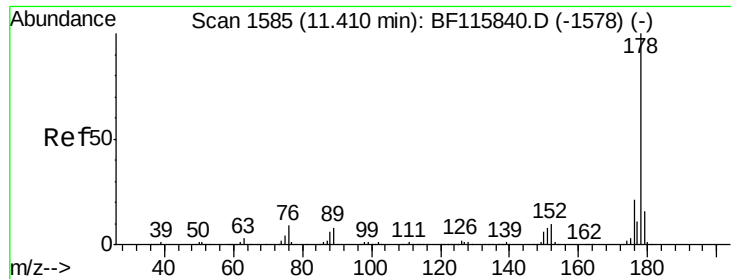
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

Tgt Ion:	188	Resp:	354332
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.1	12.1
80	9.9	8.7	13.1



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





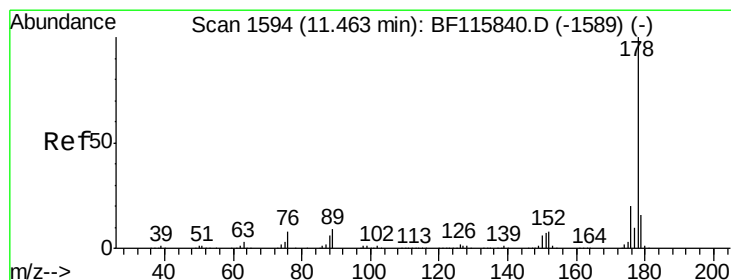
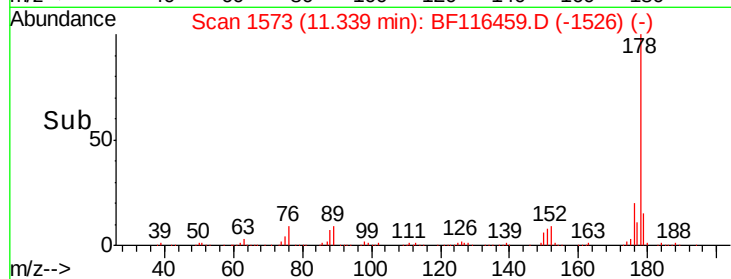
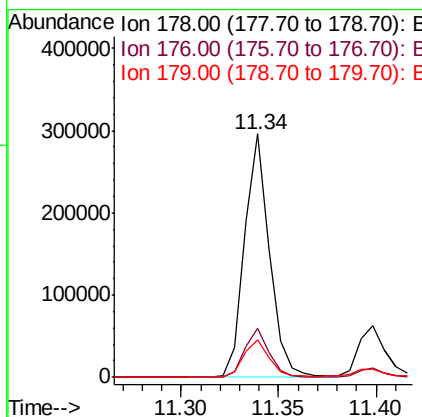
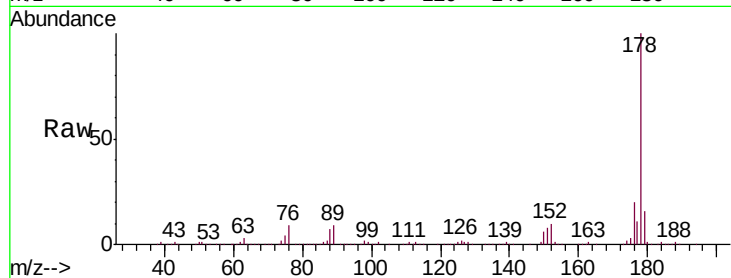
#71
Phenanthrene
Concen: 14.569 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

Instrument :
BNA_F
ClientSampleId :
PX-01-081319

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.6	24.8
179	15.6	12.5	18.7

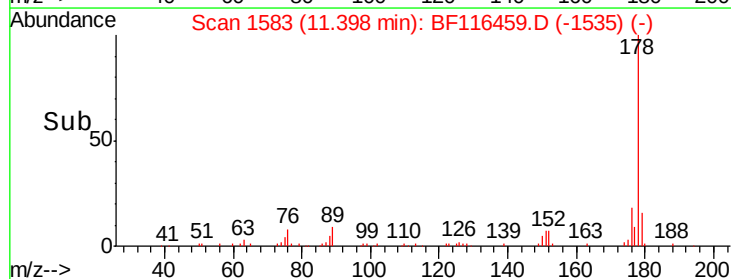
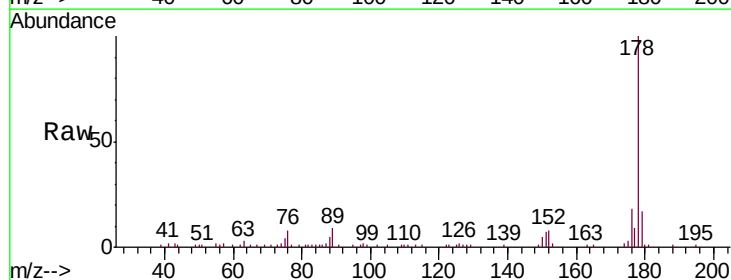
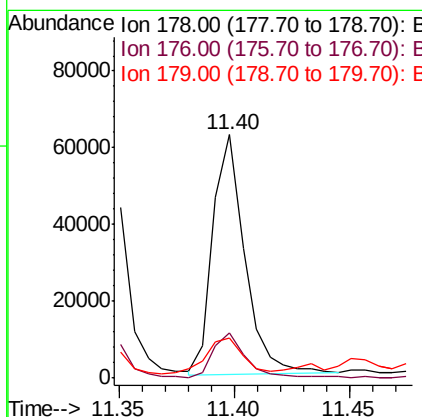
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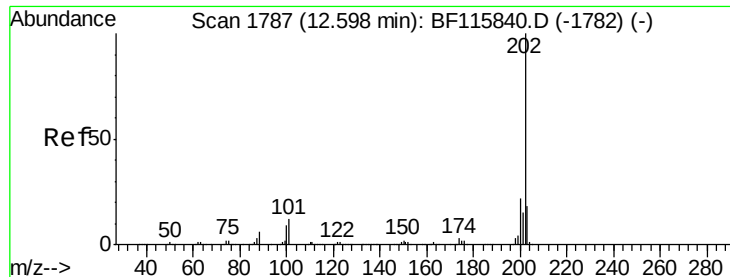
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#72
Anthracene
Concen: 3.274 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.7	23.5
179	16.7	13.0	19.6





#75

Fluoranthene

Concen: 23.668 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

Instrument :

BNA_F

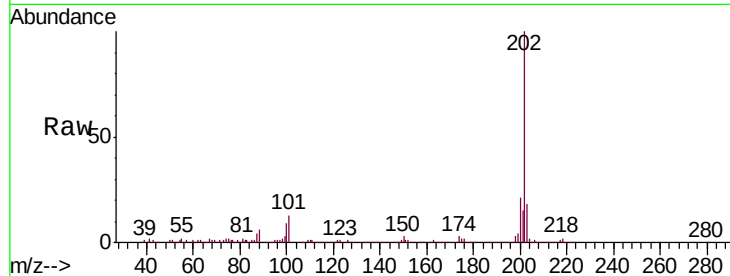
ClientSampleId :

PX-01-081319

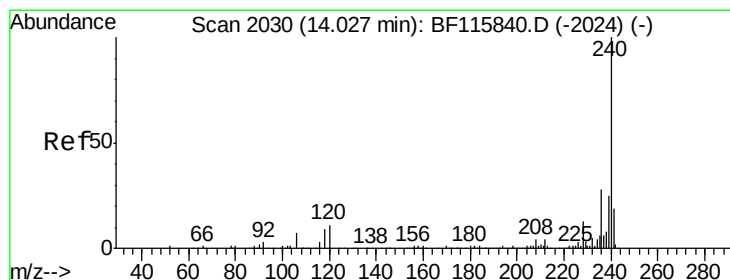
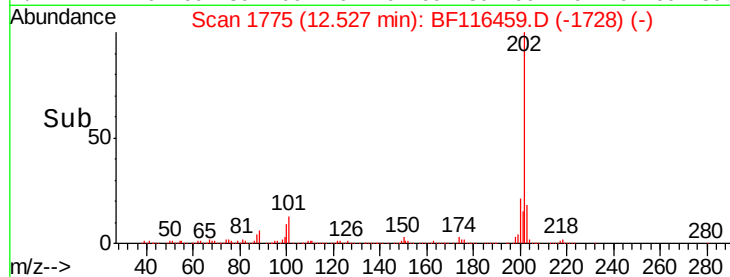
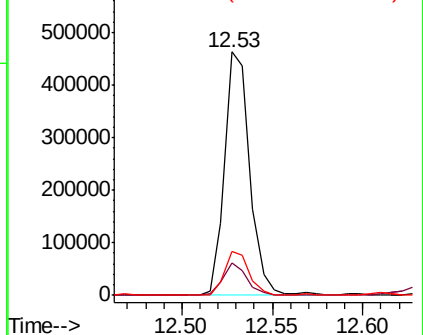
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		448837		
101	13.3	0.0	31.2		
203	18.1	0.0	37.8		

Manual Integrations
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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

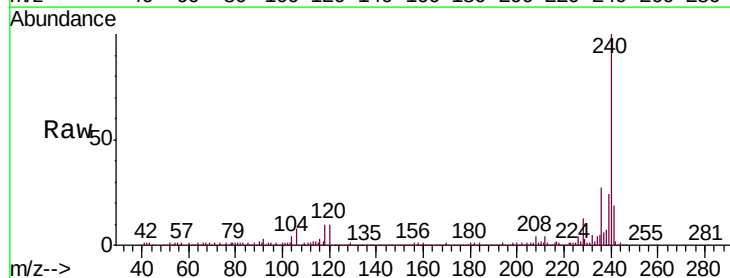
RT: 13.96 min Scan# 2019

Delta R.T. -0.02 min

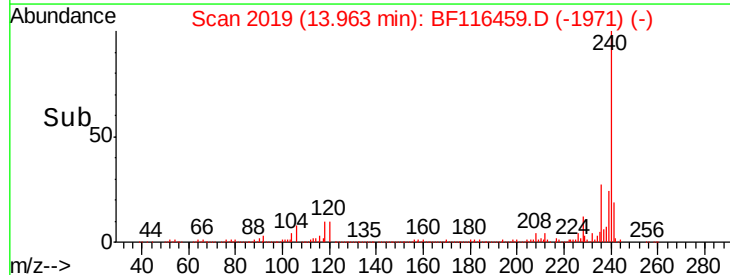
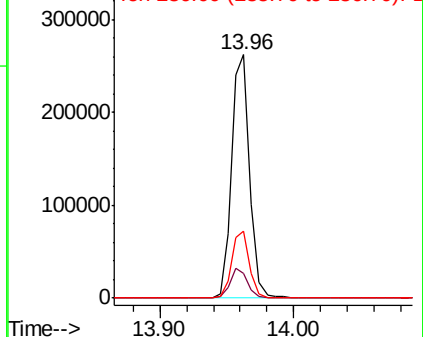
Lab File: BF116459.D

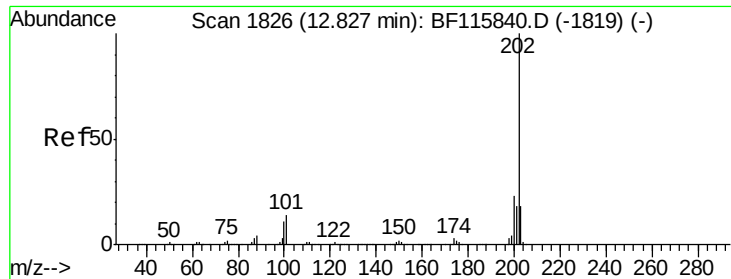
Acq: 21 Aug 2019 12:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		248783		
120	10.4	10.7	16.1#		
236	27.4	22.2	33.2		



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: 21.218 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

Instrument :

BNA_F

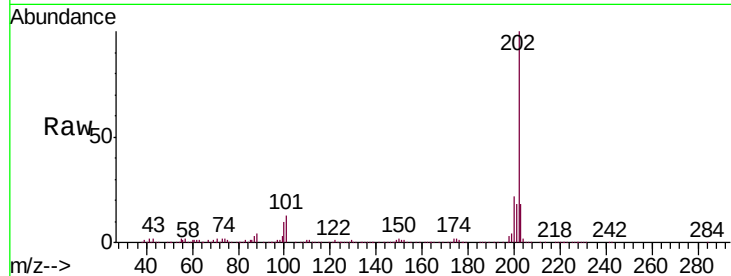
ClientSampled :

PX-01-081319

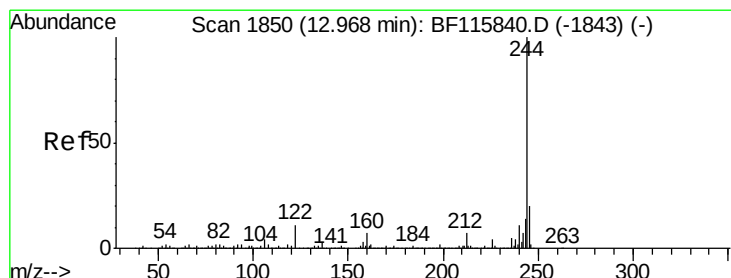
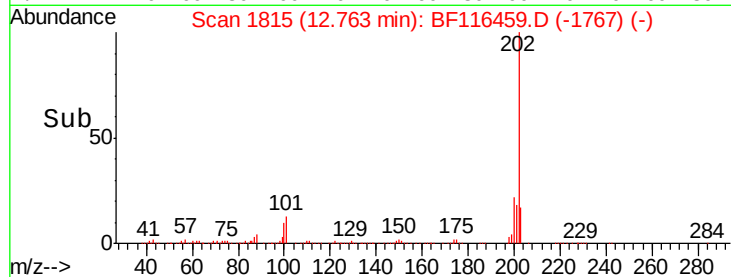
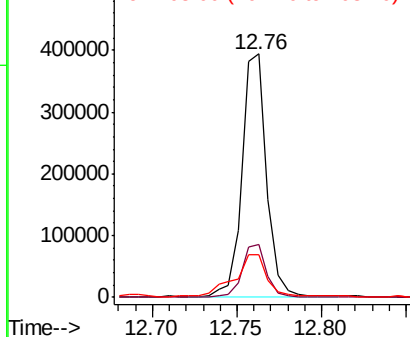
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		397915		
200	21.9	18.0	27.0		
203	17.7	14.1	21.1		

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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: 64.825 ng

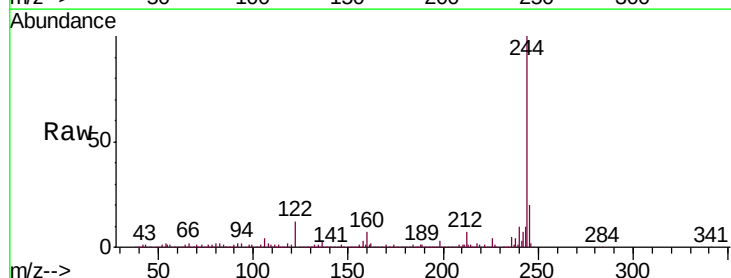
RT: 12.89 min Scan# 1837

Delta R.T. -0.02 min

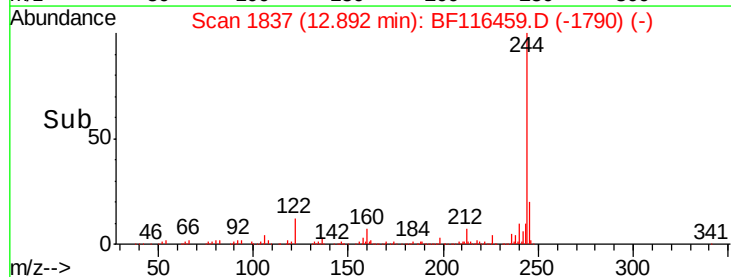
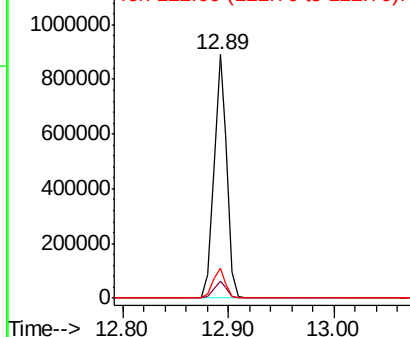
Lab File: BF116459.D

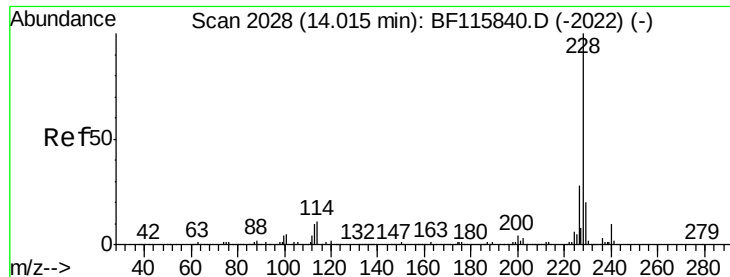
Acq: 21 Aug 2019 12:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		765363		
212	7.0	5.8	8.8		
122	12.1	9.0	13.4		



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: 13.641 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

Instrument :

BNA_F

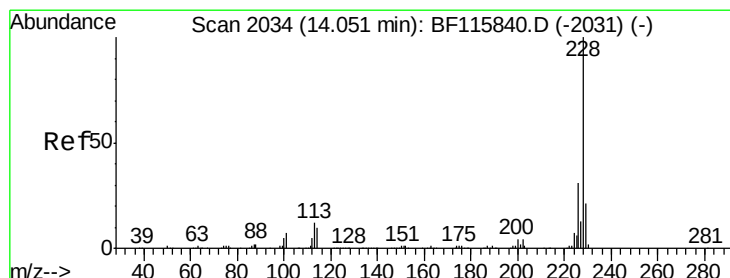
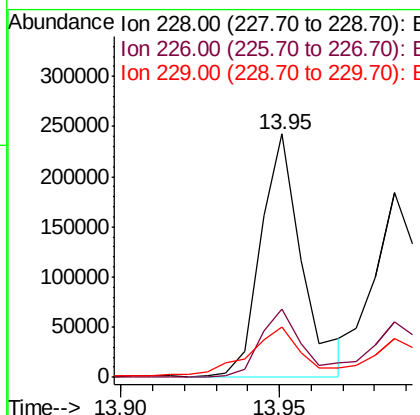
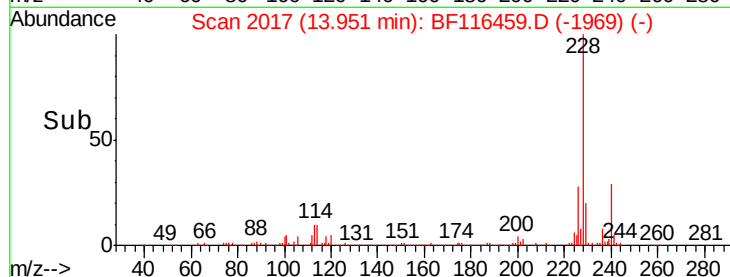
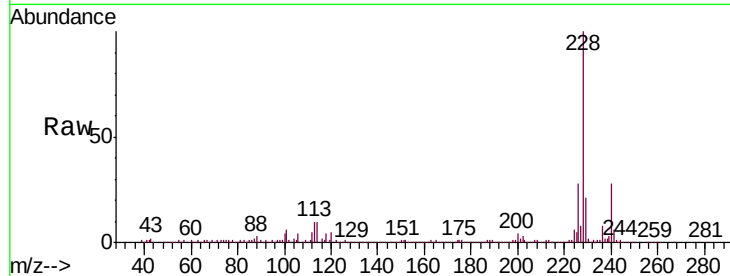
ClientSampleId :

PX-01-081319

Tot Ion:	228	Resp:	216911
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.7	34.1
229	20.8	16.2	24.4

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#83

Chrysene

Concen: 12.053 ng

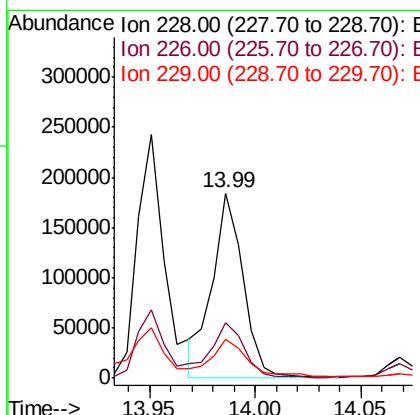
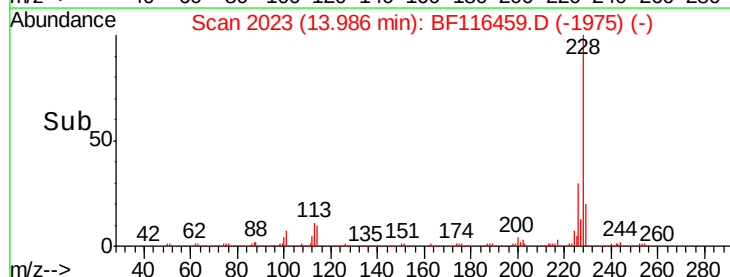
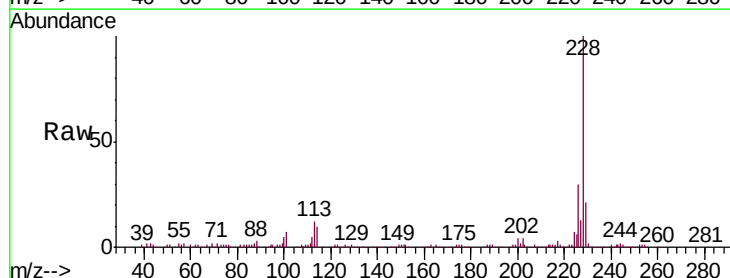
RT: 13.99 min Scan# 2023

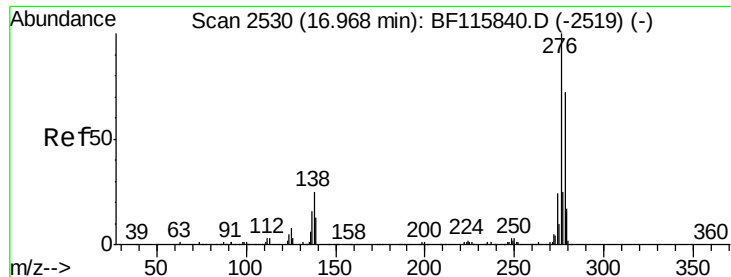
Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

Tgt Ion:	228	Resp:	186072
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.5	38.3
229	21.0	16.6	24.8





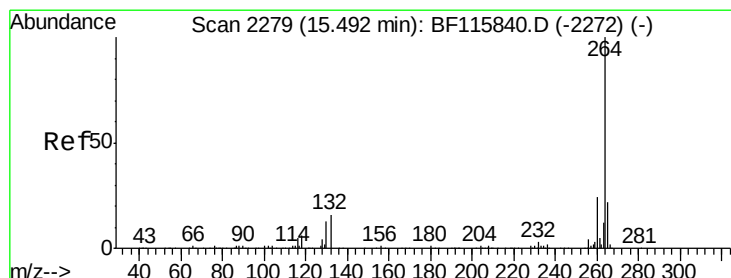
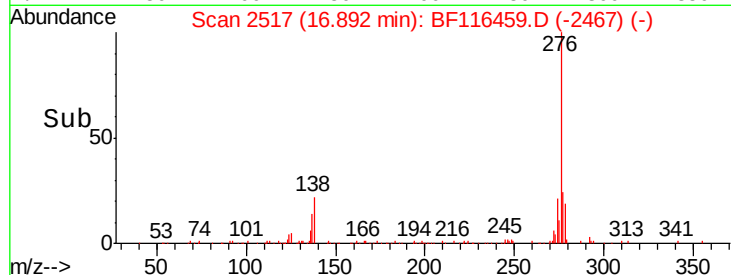
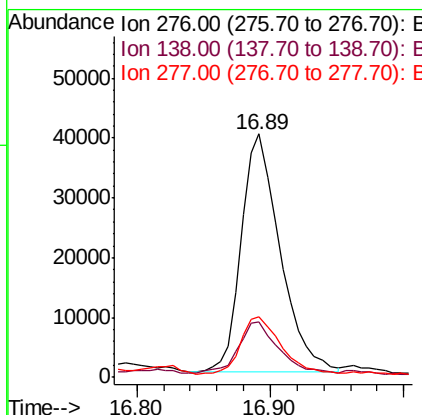
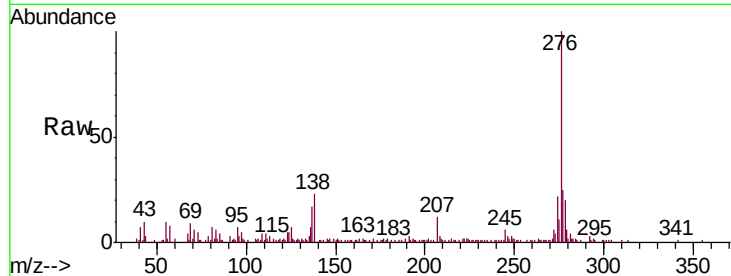
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.180 ng
 RT: 16.89 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BF116459.D
 Acq: 21 Aug 2019 12:19

Instrument :
 BNA_F
 ClientSampled :
 PX-01-081319

Tot Ion:	276	Resp:	80129
Ion Ratio	Lower	Upper	
276	100		
138	22.1	20.4	30.6
277	24.5	20.0	30.0

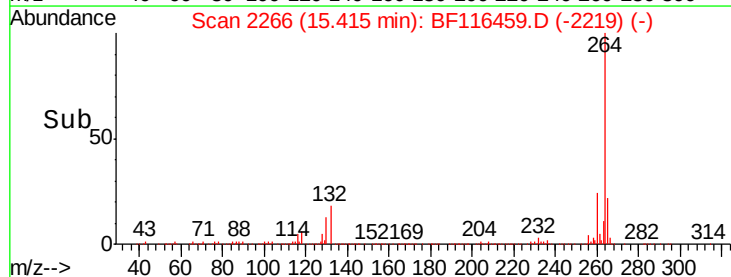
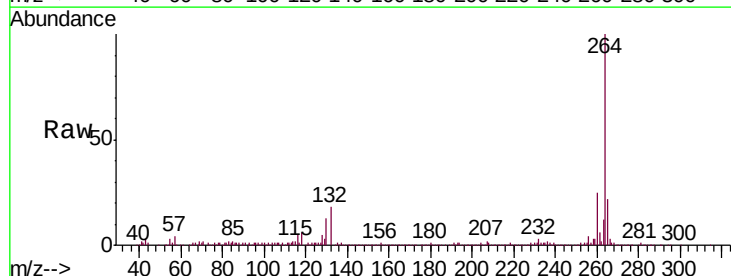
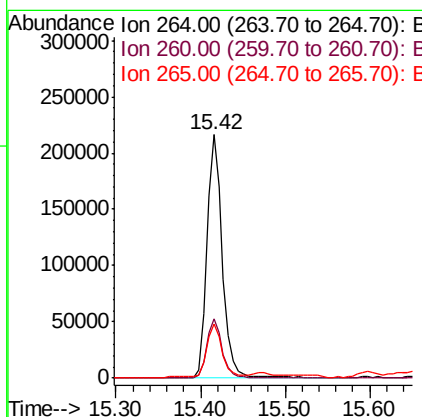
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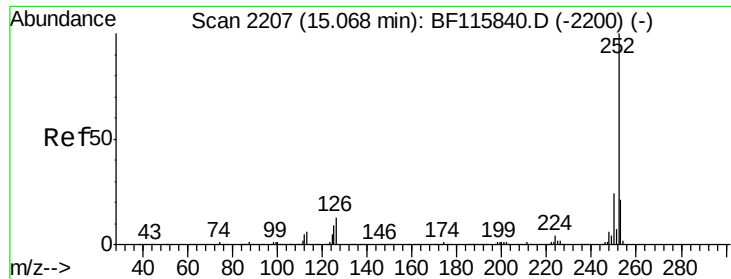
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.02 min
 Lab File: BF116459.D
 Acq: 21 Aug 2019 12:19

Tgt Ion:	264	Resp:	272912
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.7	29.5
265	22.2	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 14.708 ng m

RT: 15.00 min Scan# 2195

Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

Instrument :

BNA_F

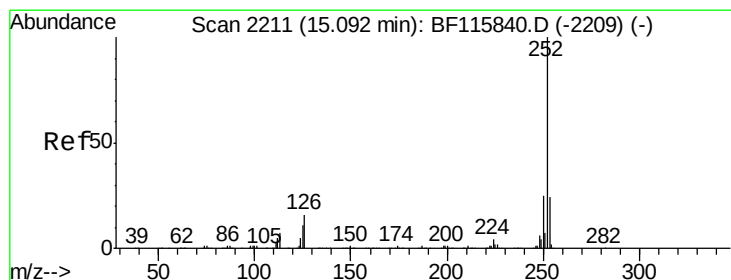
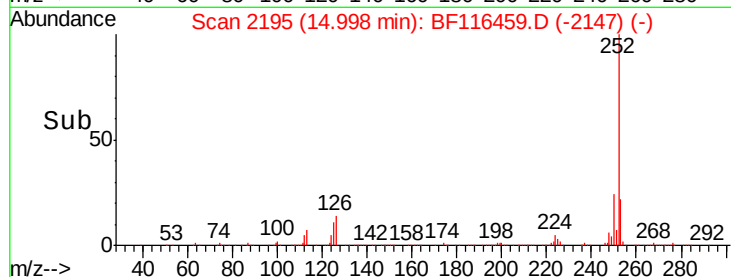
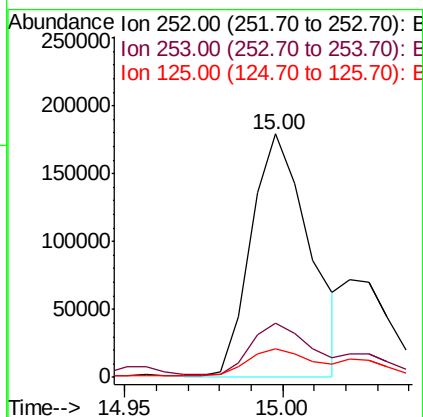
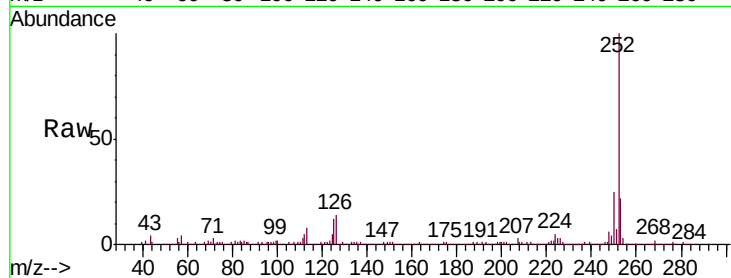
ClientSampleId :

PX-01-081319

Tot Ion:252	Resp:	232087
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.8 26.8
125	11.7	8.4 12.6

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#89

Benzo(k)fluoranthene

Concen: 5.160 ng m

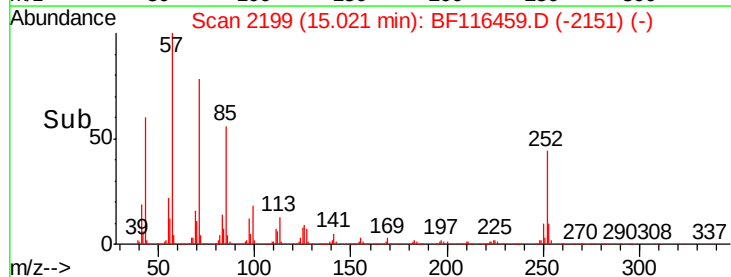
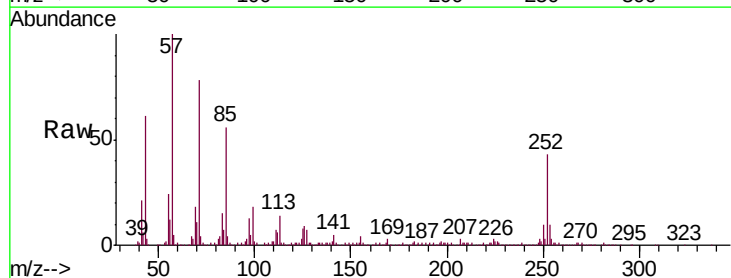
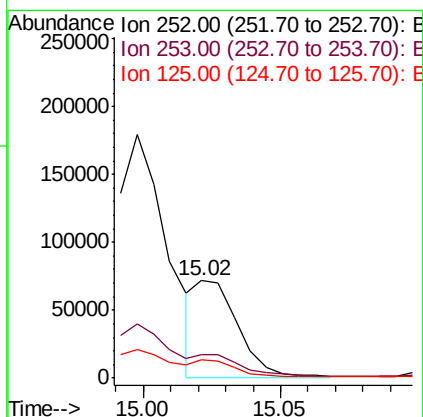
RT: 15.02 min Scan# 2199

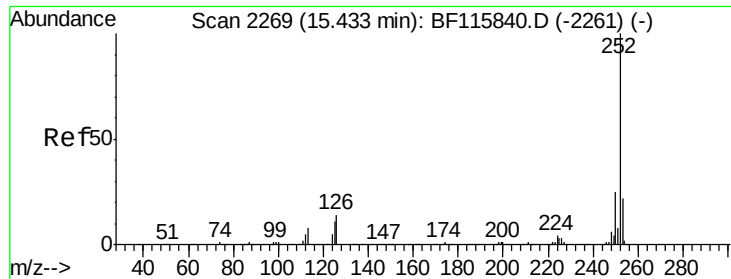
Delta R.T. -0.02 min

Lab File: BF116459.D

Acq: 21 Aug 2019 12:19

Tgt Ion:252	Resp:	79311
Ion Ratio	Lower	Upper
252	100	
253	23.5	17.8 26.8
125	19.0	7.7 11.5#





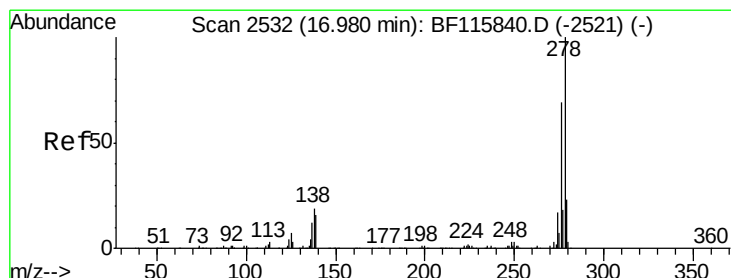
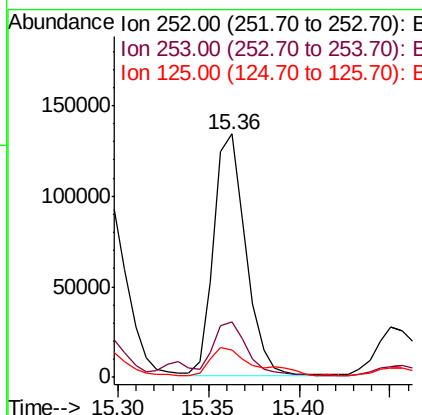
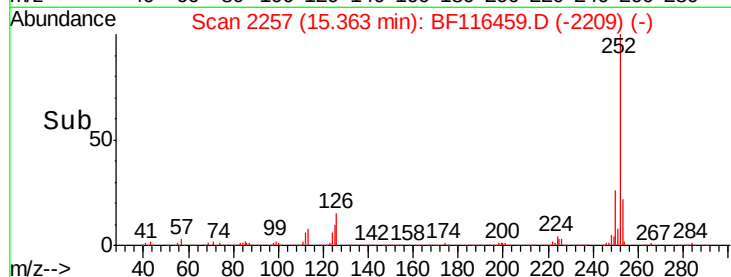
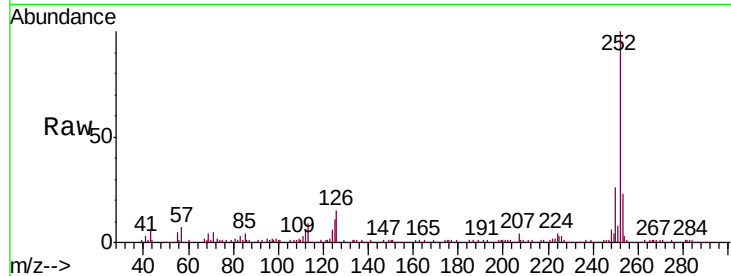
#90
Benzo(a)pyrene
Concen: 11.711 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

Instrument :
BNA_F
ClientSampleId :
PX-01-081319

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.1	8.9	13.3

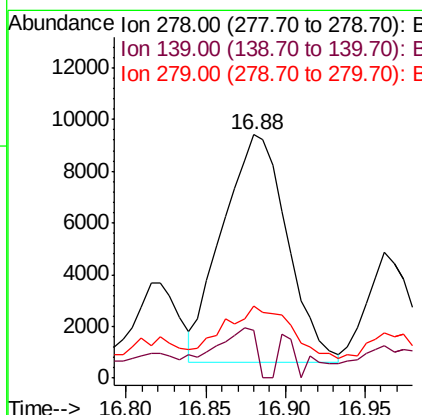
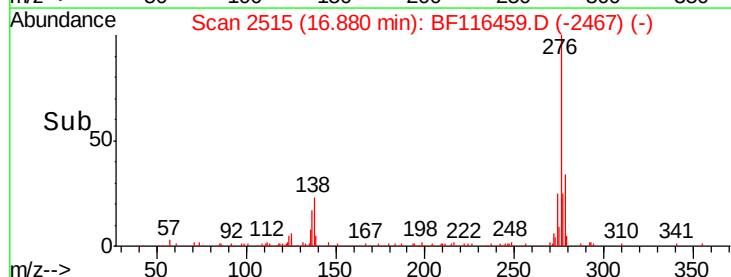
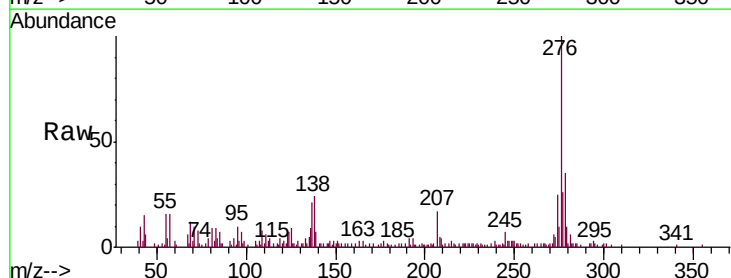
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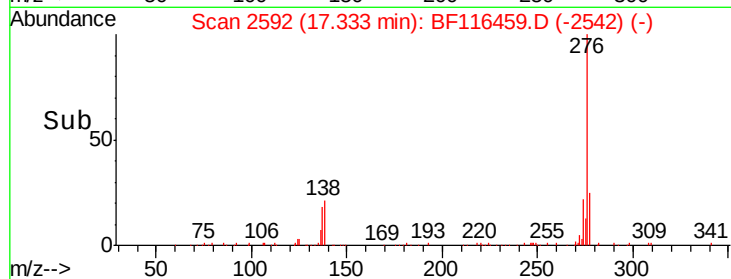
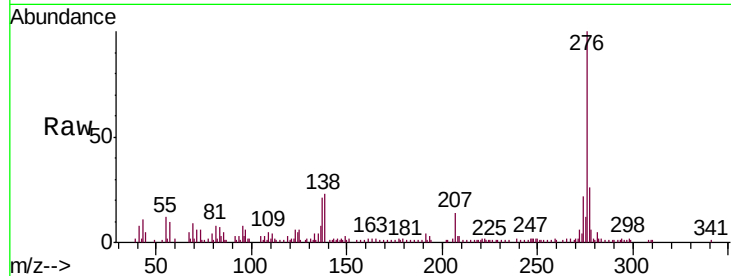
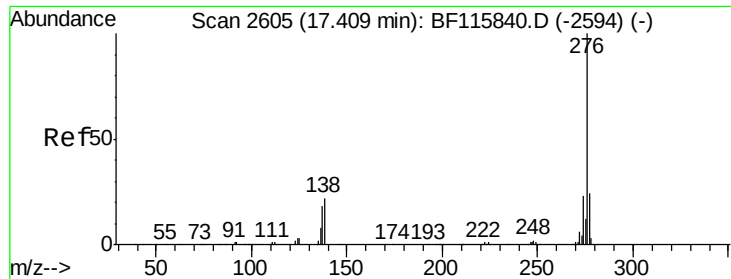
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#91
Dibenzo(a,h)anthracene
Concen: 2.023 ng m
RT: 16.88 min Scan# 2515
Delta R.T. -0.02 min
Lab File: BF116459.D
Acq: 21 Aug 2019 12:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.5	12.8	19.2#
279	29.5	18.8	28.2#





#92
 Benzo(a,h,i)perylene
 Concen: 6.230 ng
 RT: 17.33 min Scan# 2592
 Delta R.T. -0.01 min
 Lab File: BF116459.D
 Acq: 21 Aug 2019 12:19

Instrument :
 BNA_F
 ClientSampleId :
 PX-01-081319

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.9	18.4	27.6	
138	22.9	17.0	25.6	

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