

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
 Data File : BF117040.D
 Acq On : 13 Sep 2019 23:19
 Operator : HP/JU
 Sample : K4852-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BUS-3(0-3.5)

Manual Integrations
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 9/16/2019 3:29:39 PM

Quant Time: Sep 14 01:20:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	66276	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	269913	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	139552	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	215308	20.00	ng	0.00
76) Chrysene-d12	13.97	240	135310	20.00	ng	0.00
87) Perylene-d12	15.42	264	154619	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	368703	86.85	ng	0.00
7) Phenol-d6	6.45	99	512543	93.42	ng	0.00
23) Nitrobenzene-d5	7.38	82	317088	61.73	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	108860	93.34	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	542973	60.84	ng	0.00
79) Terphenyl-d14	12.92	244	437138	60.39	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	49949	5.055	ng	99
71) Phenanthrene	11.36	178	95552	7.813	ng	100
72) Anthracene	11.41	178	38968	3.121	ng	97
75) Fluoranthene	12.55	202	230161	18.317	ng	97
78) Pyrene	12.77	202	205604	18.109	ng	99
81) Benzo(a)anthracene	13.96	228	109423	12.104	ng	98
83) Chrysene	13.99	228	89549	10.156	ng	98
84) Bis(2-ethylhexyl)phthalate	13.94	149	31455	4.547	ng	98
86) Indeno(1,2,3-cd)pyrene	16.84	276	66225	10.295	ng	# 93
88) Benzo(b)fluoranthene	15.00	252	137562m	14.688	ng	
89) Benzo(k)fluoranthene	15.02	252	39272m	4.427	ng	
90) Benzo(a)pyrene	15.36	252	95914	11.670	ng	98
91) Dibenzo(a,h)anthracene	16.86	278	16341	2.496	ng	# 82
92) Benzo(a,h,i)perylene	17.28	276	59610	9.137	ng	99

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

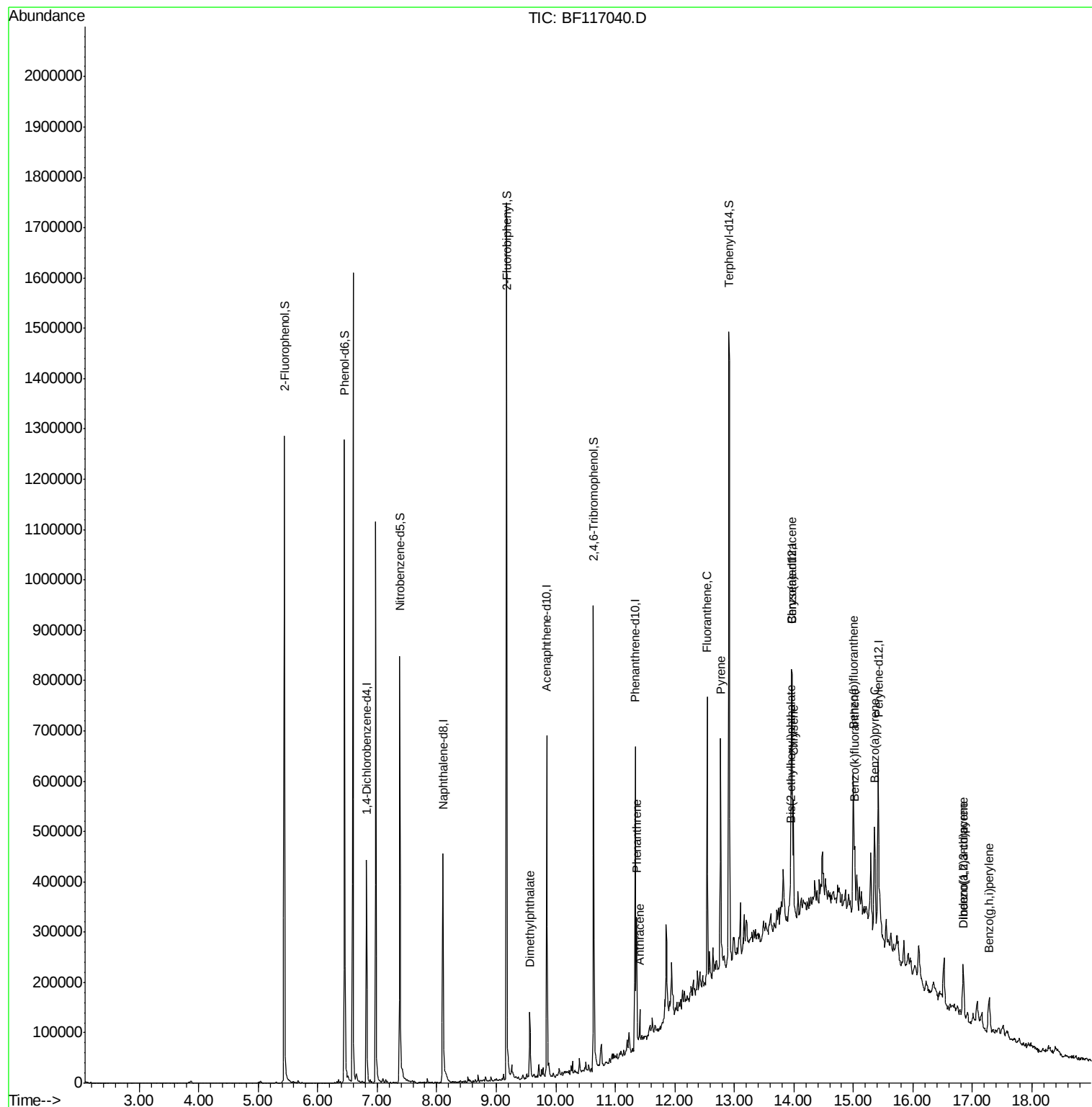
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

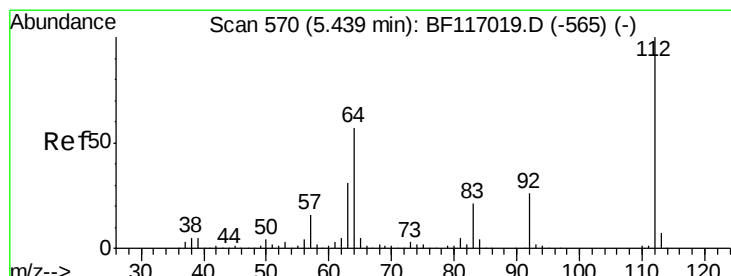
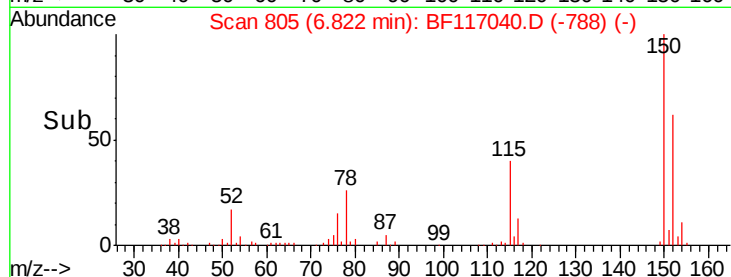
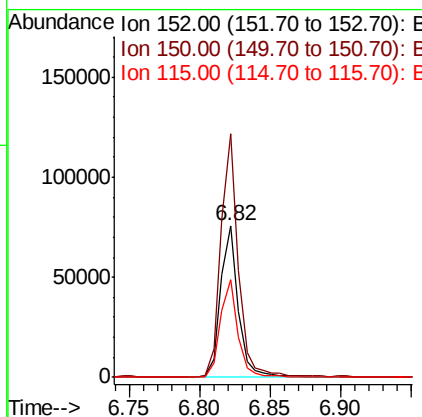
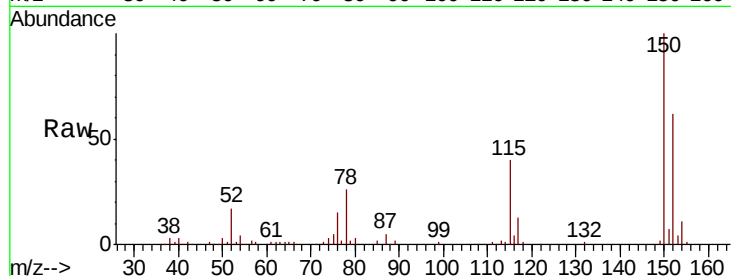
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117040.D
Acq: 13 Sep 2019 23:19

Instrument :
BNA_F
ClientSampleId :
BUS-3(0-3.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	127.5	191.3
115	64.0	55.0	82.4

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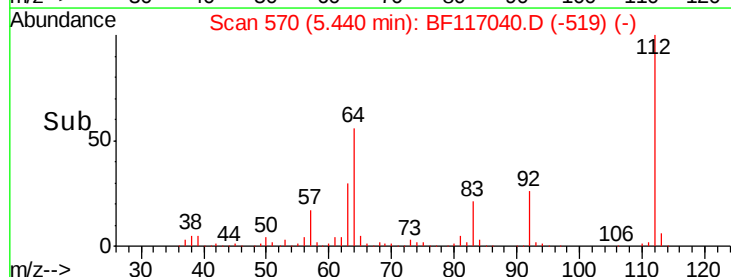
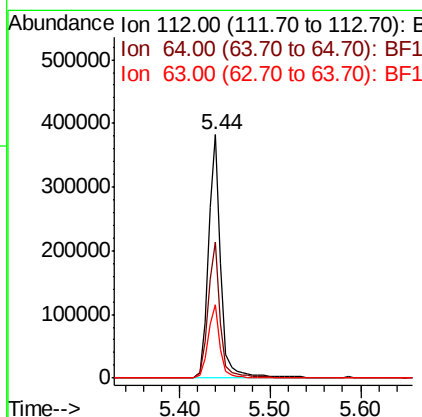
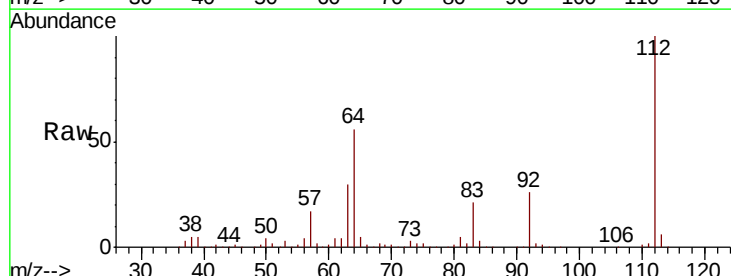
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#5

2-Fluorophenol
Concen: 86.854 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF117040.D
Acq: 13 Sep 2019 23:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.7	68.5
63	30.2	24.9	37.3





#7

Phenol-d6

Concen: 93.425 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117040.D

Acq: 13 Sep 2019 23:19

Instrument :

BNA_F

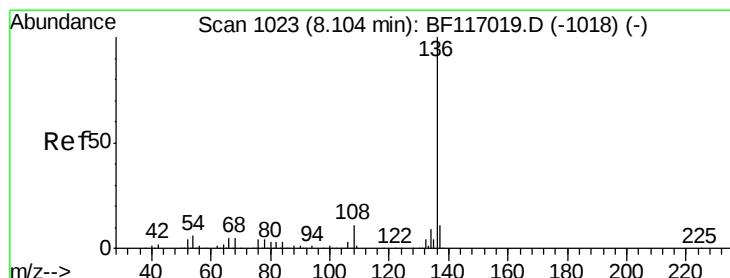
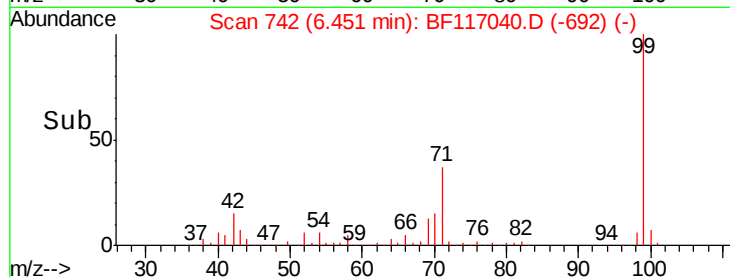
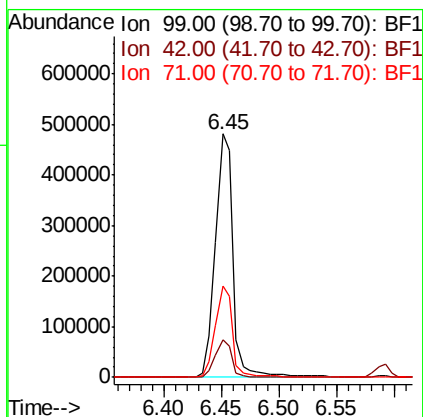
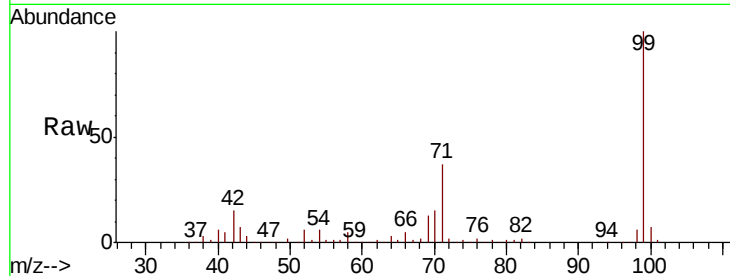
ClientSampleId :

BUS-3(0-3.5)

Tot Ion:	99	Resp:	512543
Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.2	18.2
71	37.5	29.8	44.8

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#21

Naphthalene-d8

Concen: 20.000 ng

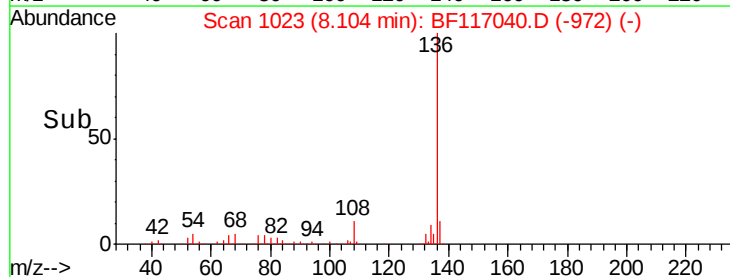
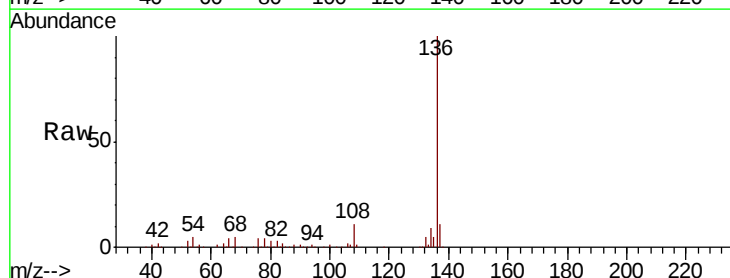
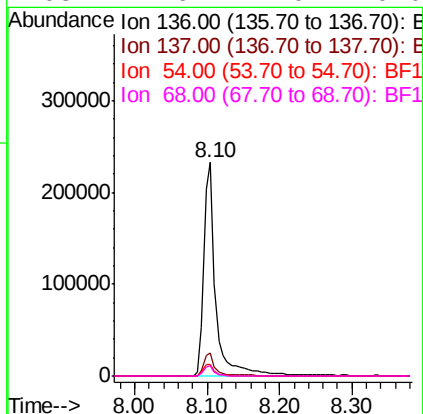
RT: 8.10 min Scan# 1023

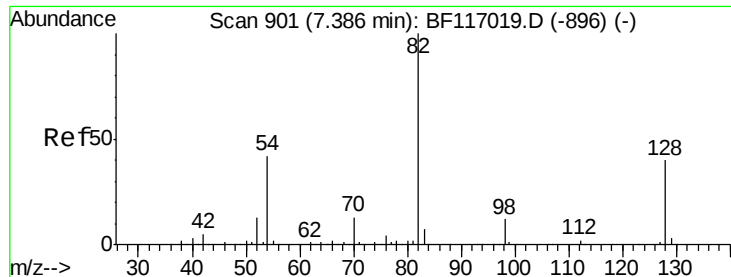
Delta R.T. 0.00 min

Lab File: BF117040.D

Acq: 13 Sep 2019 23:19

Tgt Ion:	136	Resp:	269913
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	5.4	4.5	6.7
68	4.6	4.0	6.0





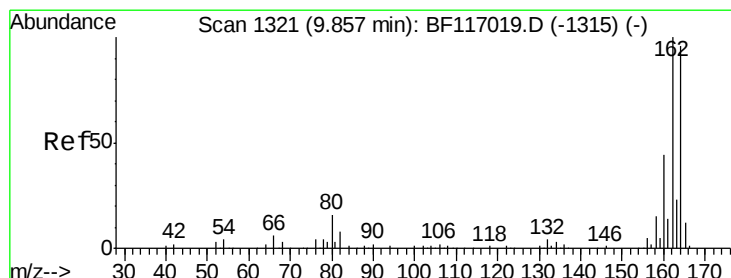
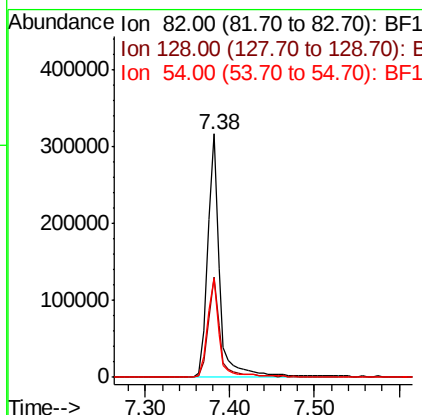
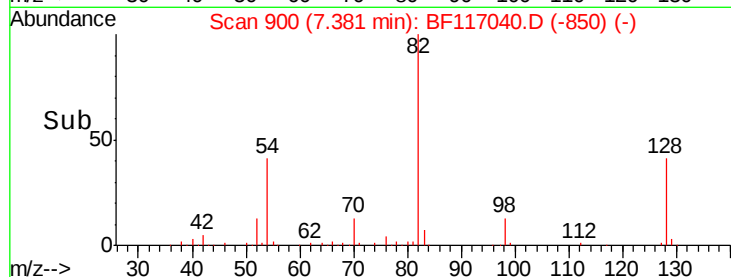
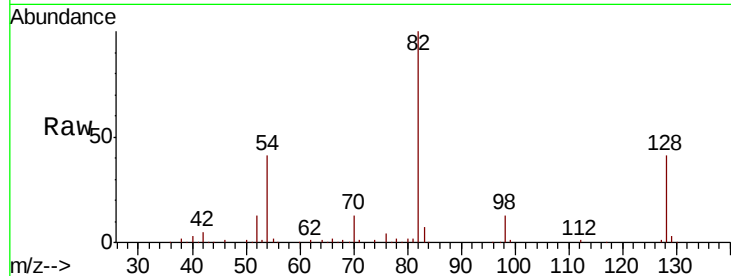
#23
 Nitrobenzene-d5
 Concen: 61.726 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117040.D
 Acq: 13 Sep 2019 23:19

Instrument :
 BNA_F
 ClientSampleId :
 BUS-3(0-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	317088		
128	41.4	32.3	48.5	
54	40.7	33.3	49.9	

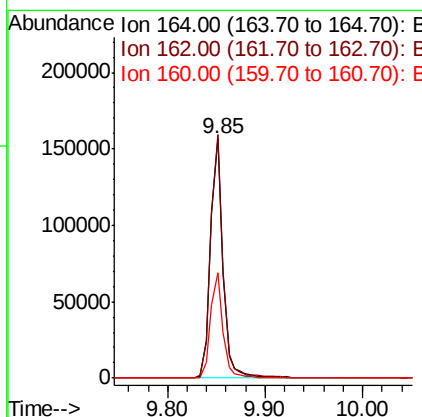
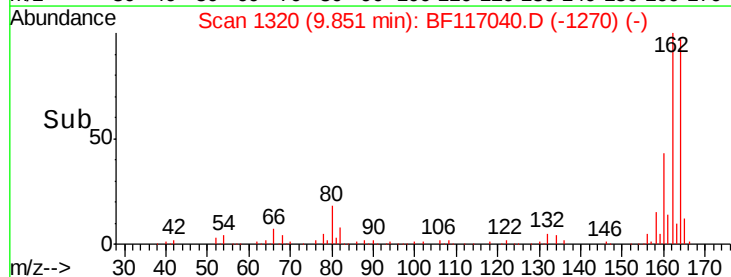
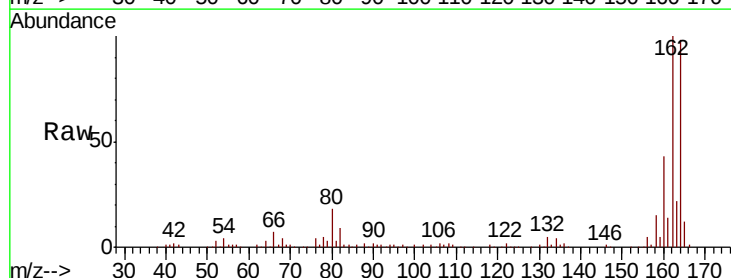
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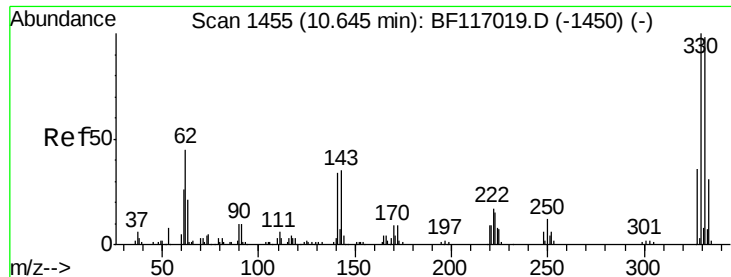
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117040.D
 Acq: 13 Sep 2019 23:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	139552		
162	101.8	83.4	125.2	
160	44.2	36.4	54.6	





#42

2,4,6-Tribromophenol

Concen: 93.335 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117040.D

Acq: 13 Sep 2019 23:19

Instrument :

BNA_F

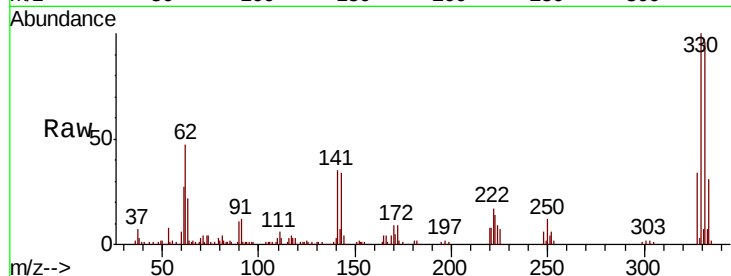
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BUS-3(0-3.5)

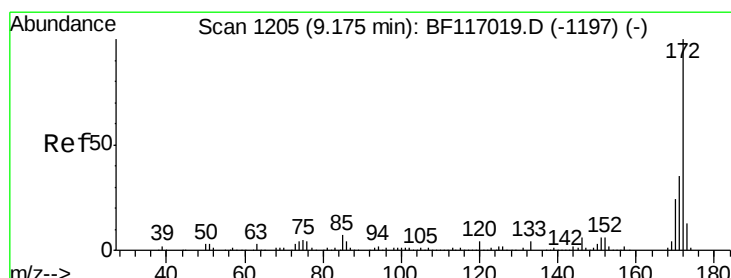
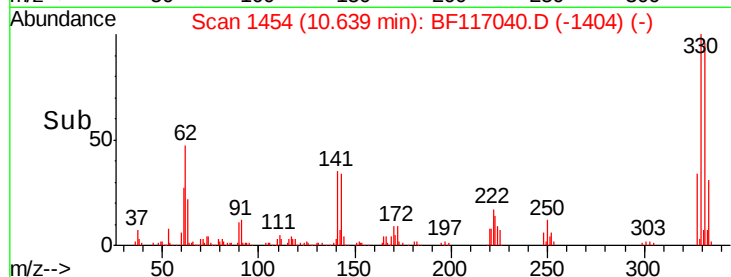
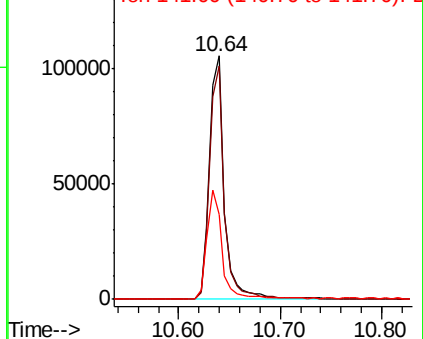
Tot Ion:	330	Resp:	108860
Ion Ratio	Lower	Upper	
330	100		
332	95.3	78.0	117.0
141	45.3	35.8	53.6

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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: 60.836 ng

RT: 9.17 min Scan# 1205

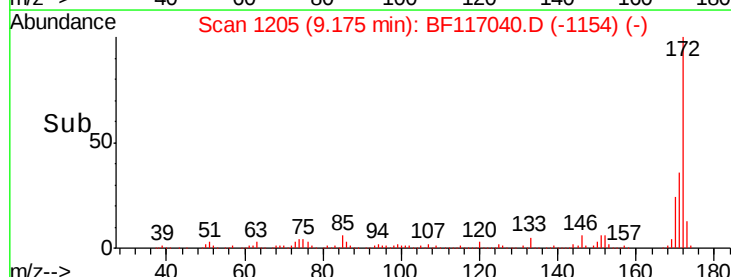
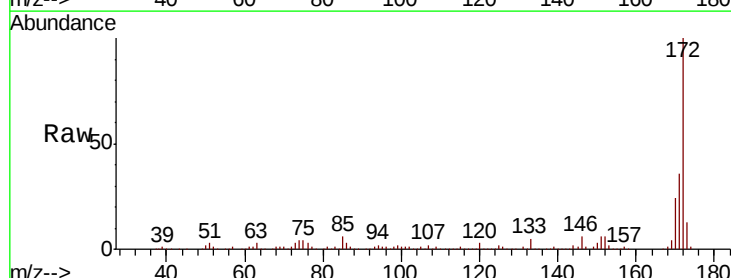
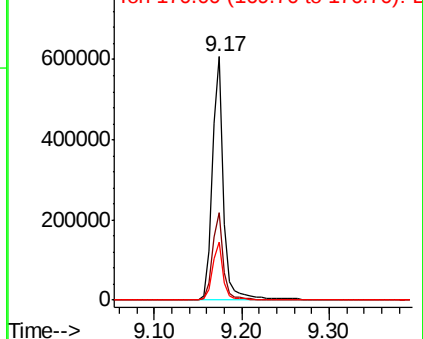
Delta R.T. 0.00 min

Lab File: BF117040.D

Acq: 13 Sep 2019 23:19

Tgt Ion:	172	Resp:	542973
Ion Ratio	Lower	Upper	
172	100		
171	35.7	28.2	42.2
170	24.1	18.9	28.3

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





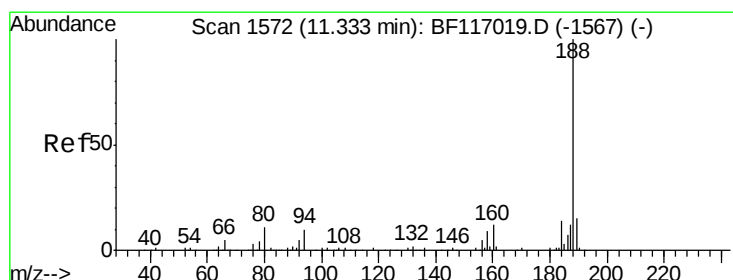
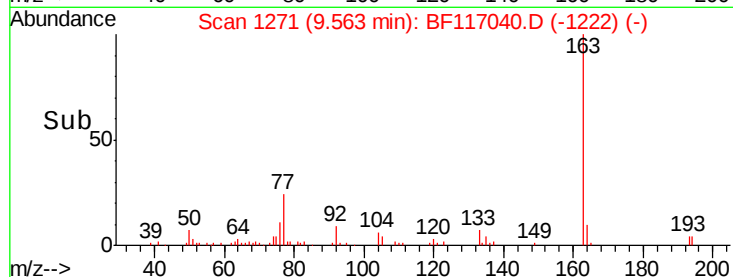
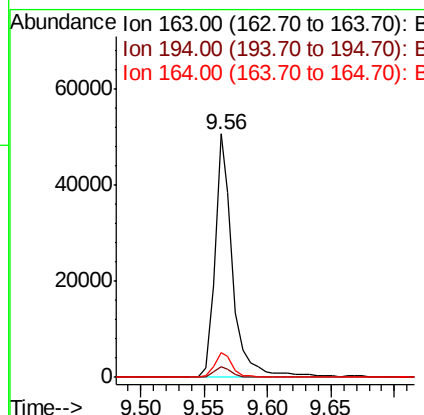
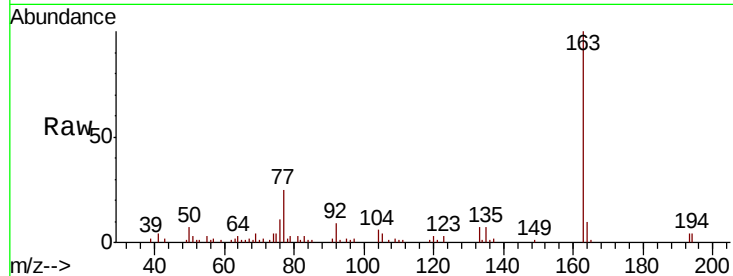
#50
Dimethylphthalate
Concen: 5.055 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117040.D
Acq: 13 Sep 2019 23:19

Instrument :
BNA_F
ClientSampleId :
BUS-3(0-3.5)

Tot Ion:	163	Resp:	49949
Ion Ratio	Lower	Upper	
163	100		
194	4.1	2.9	4.3
164	10.4	8.2	12.4

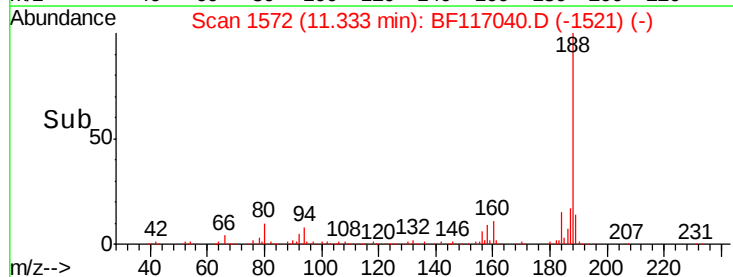
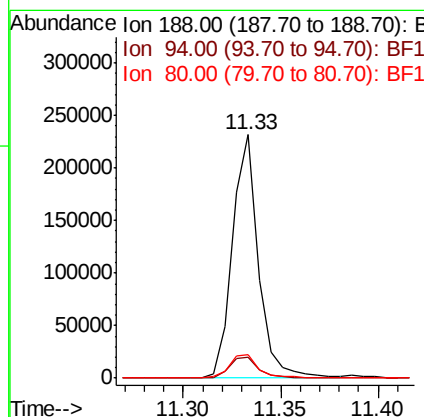
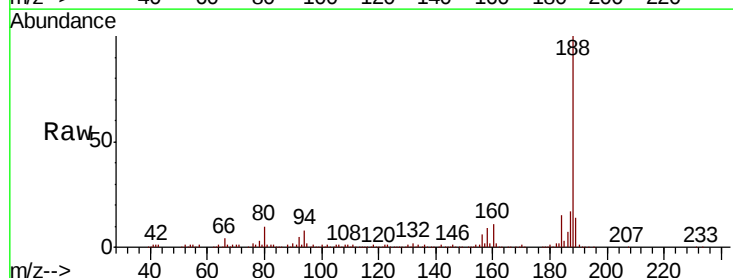
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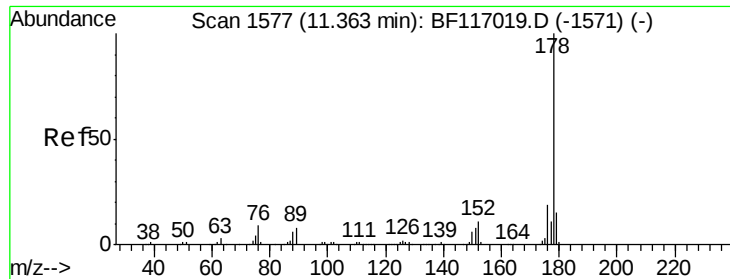
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117040.D
Acq: 13 Sep 2019 23:19

Tgt Ion:	188	Resp:	215308
Ion Ratio	Lower	Upper	
188	100		
94	8.4	8.2	12.2
80	9.6	9.0	13.6





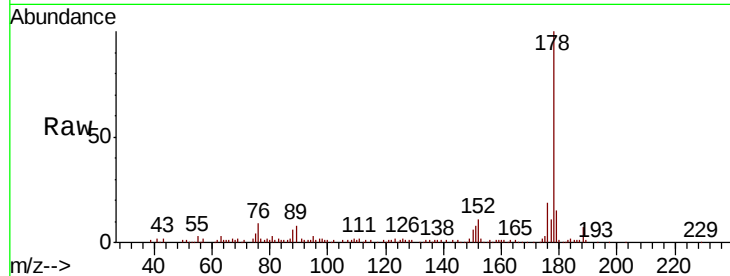
#71
Phenanthrene
Concen: 7.813 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117040.D
Acq: 13 Sep 2019 23:19

Instrument :
BNA_F
ClientSampled :
BUS-3(0-3.5)

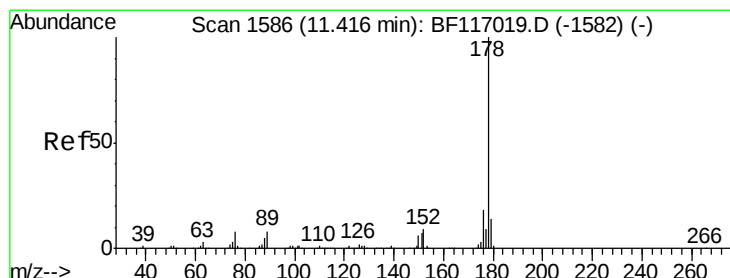
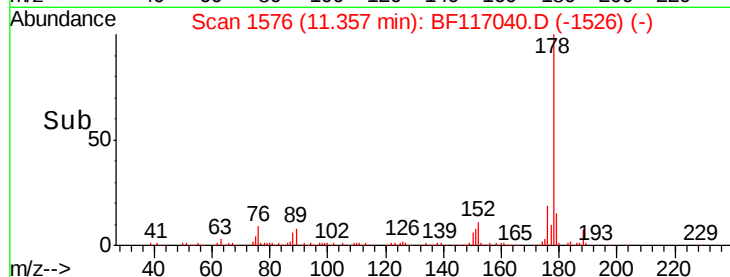
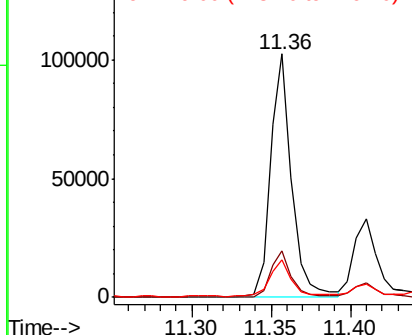
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.4	18.6

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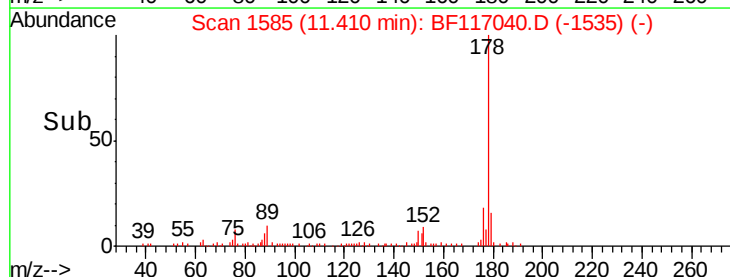
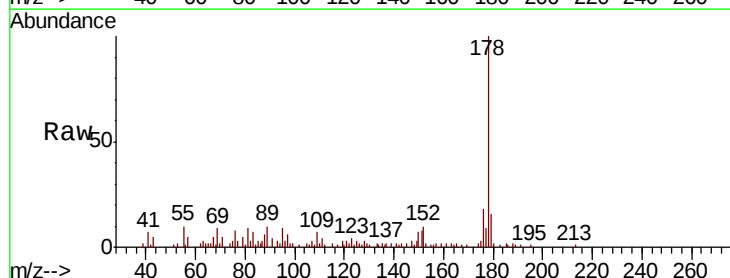
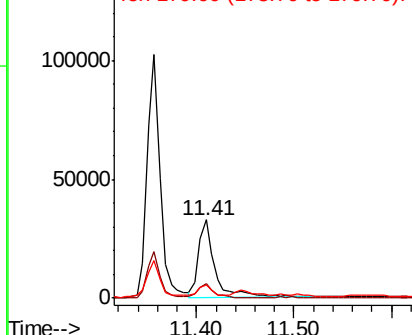
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

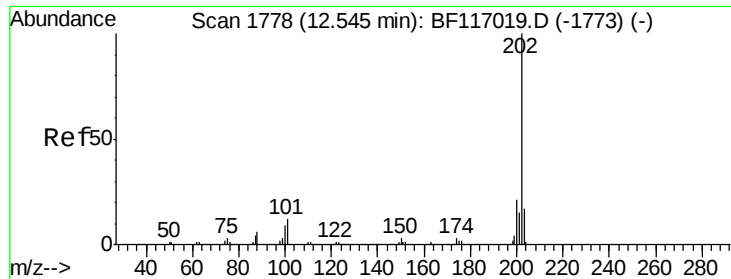


#72
Anthracene
Concen: 3.121 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117040.D
Acq: 13 Sep 2019 23:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	21.8
179	16.5	11.6	17.4

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: 18.317 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF117040.D

Acq: 13 Sep 2019 23:19

Instrument :

BNA_F

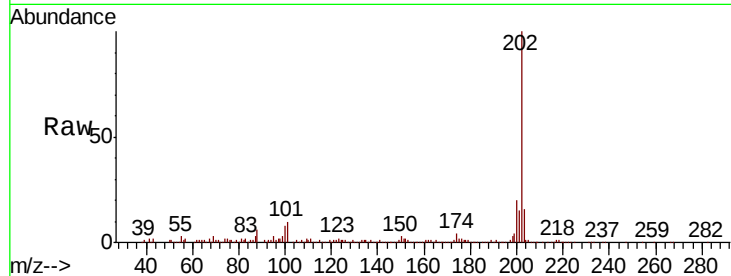
ClientSampleId :

BUS-3(0-3.5)

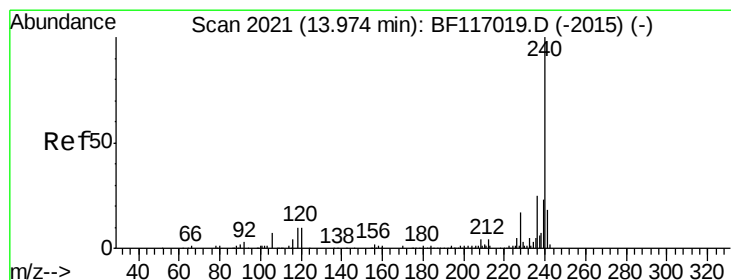
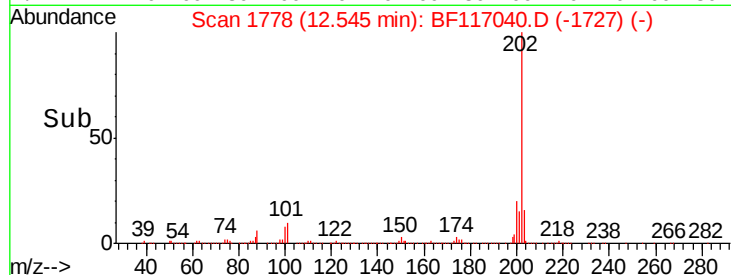
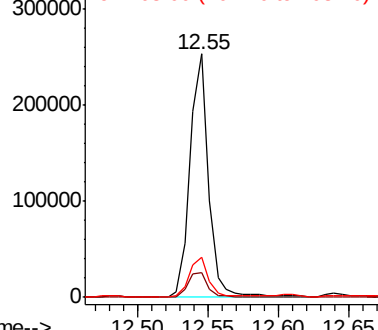
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		230161		
101	10.1	0.0	32.3		
203	16.3	0.0	37.1		

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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

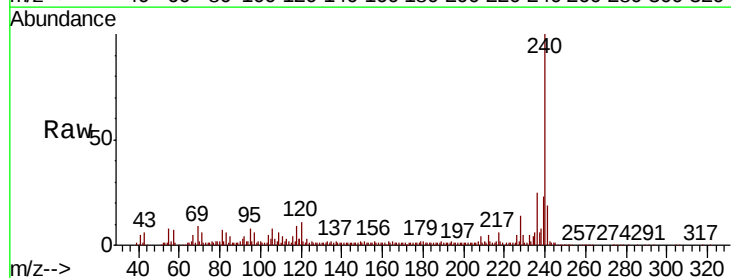
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

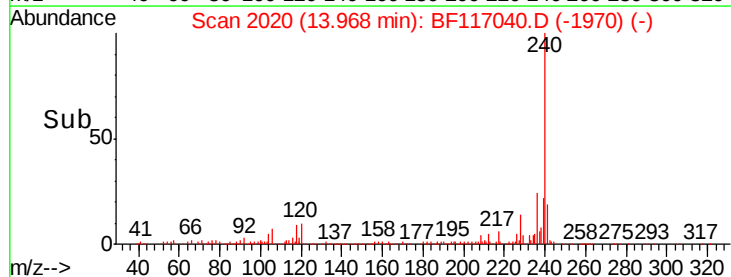
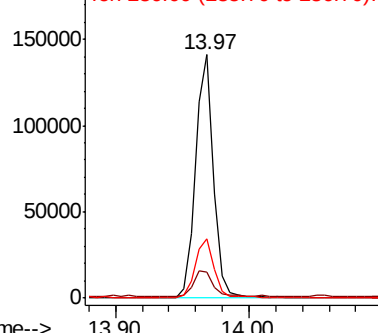
Lab File: BF117040.D

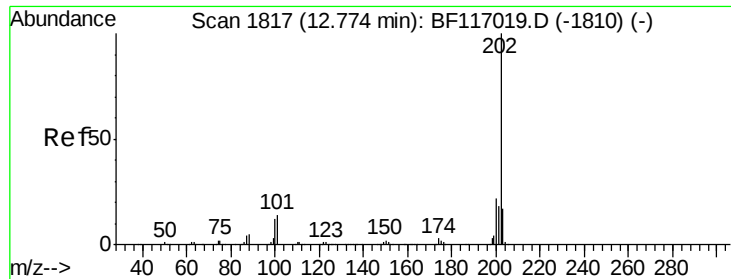
Acq: 13 Sep 2019 23:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		135310		
120	10.7	8.3	12.5		
236	24.6	20.3	30.5		



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: 18.109 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF117040.D

Acq: 13 Sep 2019 23:19

Instrument :

BNA_F

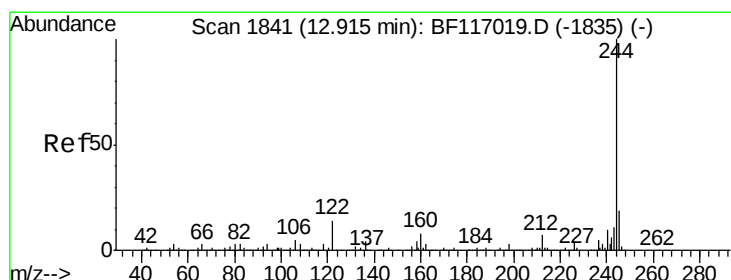
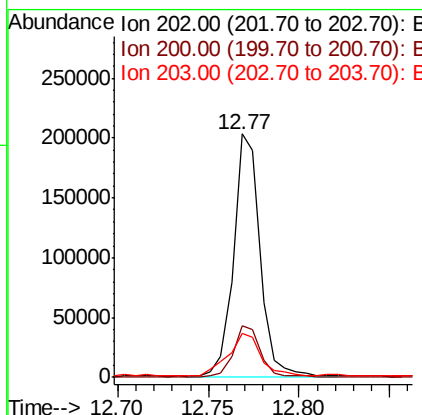
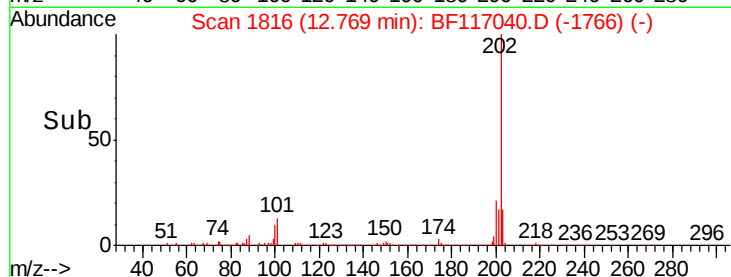
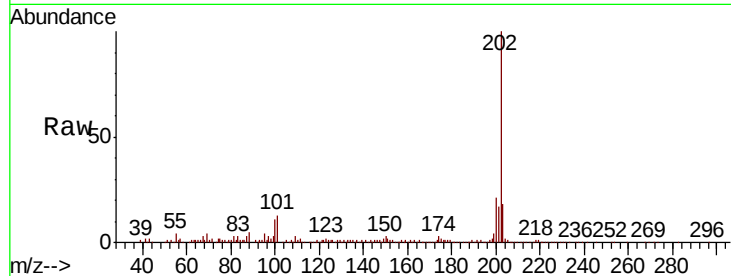
ClientSampled :

BUS-3(0-3.5)

Tot Ion:	202	Resp:	205604
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.2	25.8
203	18.2	14.0	21.0

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#79

Terphenyl-d14

Concen: 60.388 ng

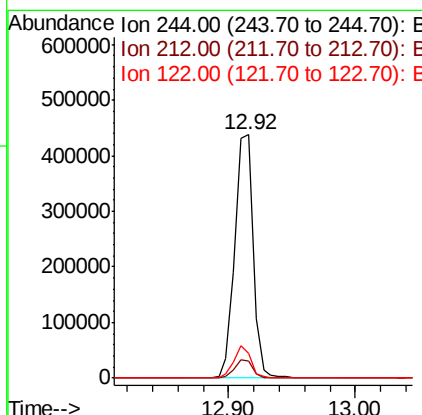
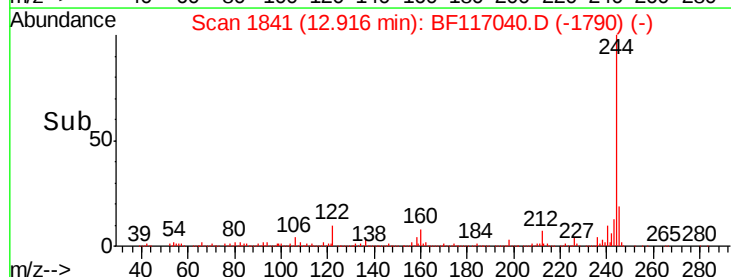
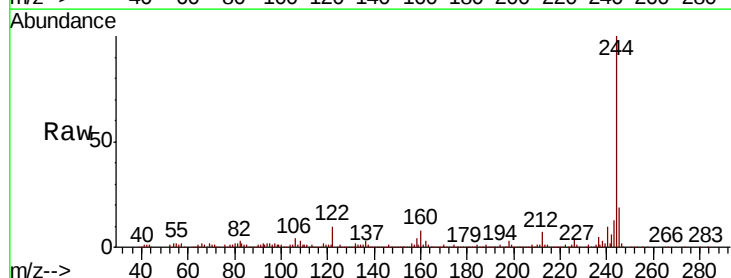
RT: 12.92 min Scan# 1841

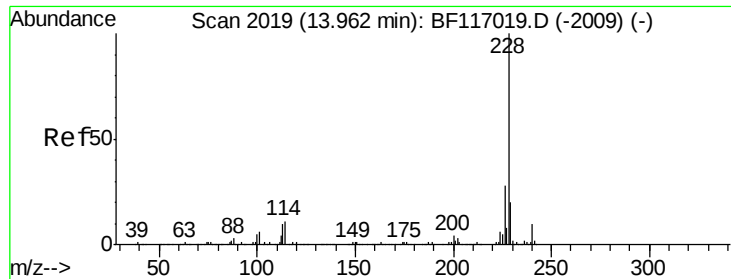
Delta R.T. 0.00 min

Lab File: BF117040.D

Acq: 13 Sep 2019 23:19

Tgt Ion:	244	Resp:	437138
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.8	8.8
122	10.0	11.3	16.9#





#81

Benzo(a)anthracene

Concen: 12.104 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF117040.D

Acq: 13 Sep 2019 23:19

Instrument :

BNA_F

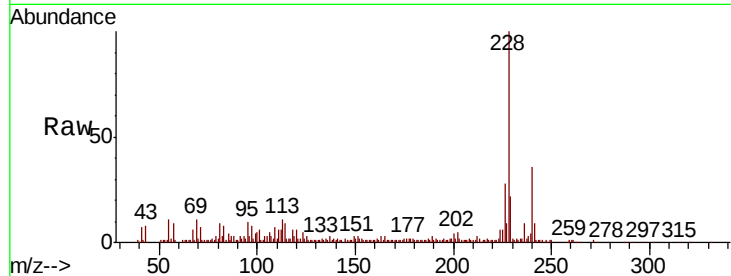
ClientSampled :

BUS-3(0-3.5)

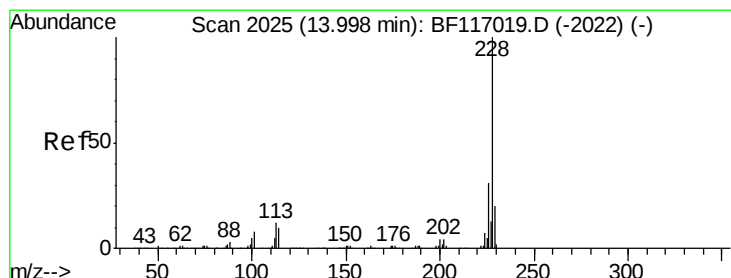
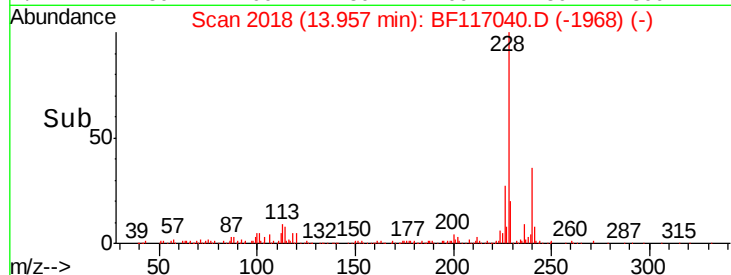
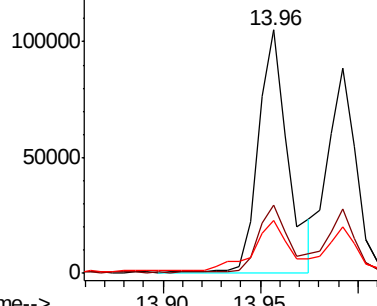
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.3	33.5
229	21.5	15.9	23.9

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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: 10.156 ng

RT: 13.99 min Scan# 2024

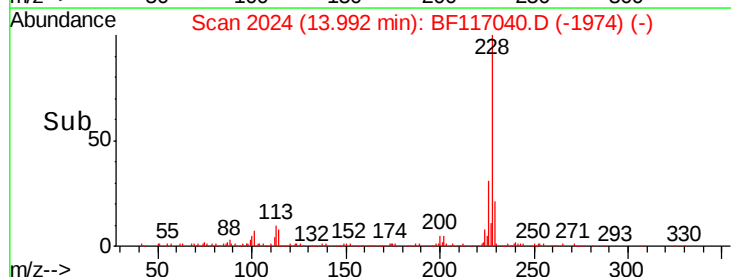
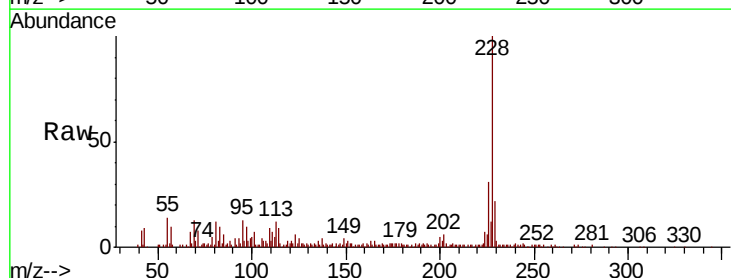
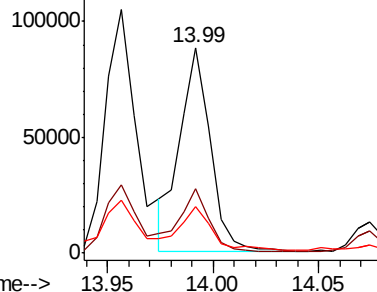
Delta R.T. -0.01 min

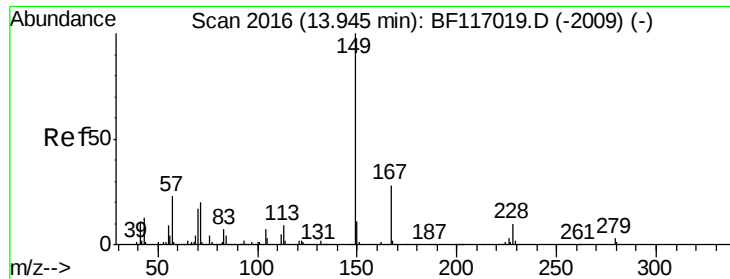
Lab File: BF117040.D

Acq: 13 Sep 2019 23:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.8	37.2
229	22.5	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





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.547 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF117040.D

Acq: 13 Sep 2019 23:19

Instrument :

BNA_F

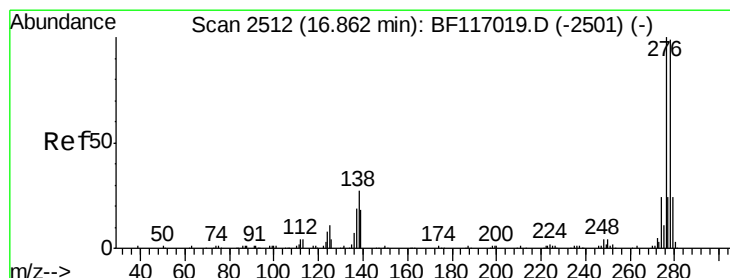
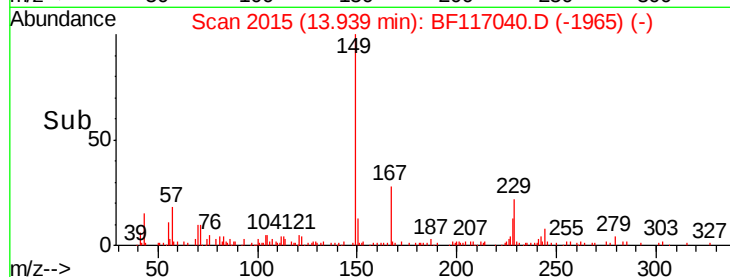
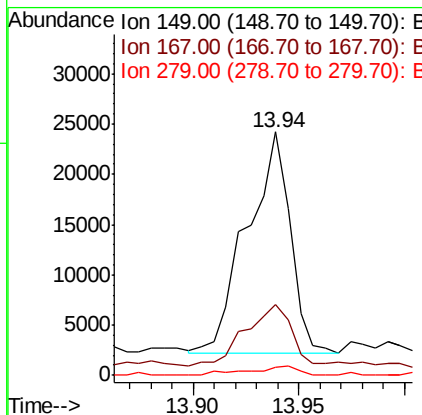
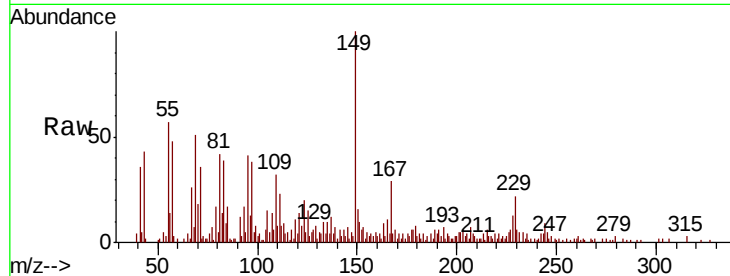
ClientSampleId :

BUS-3(0-3.5)

Tot Ion:	149	Resp:	31455
Ion Ratio	Lower	Upper	
149	100		
167	29.1	22.2	33.2
279	3.3	2.8	4.2

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 10.295 ng

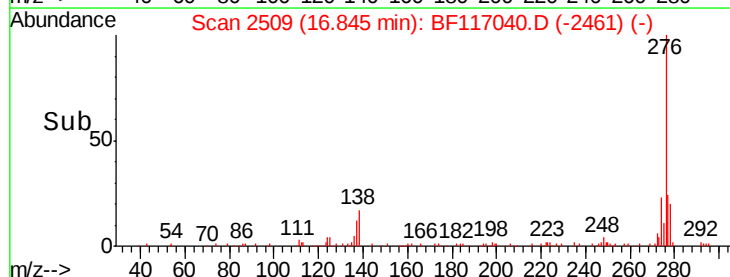
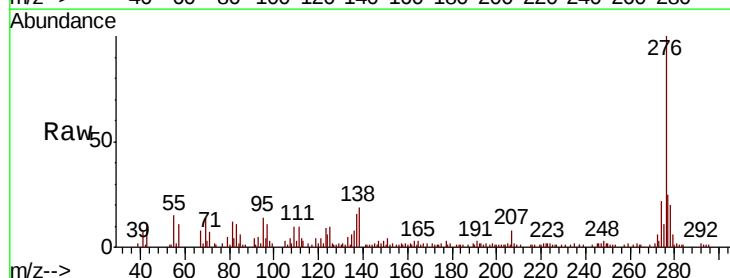
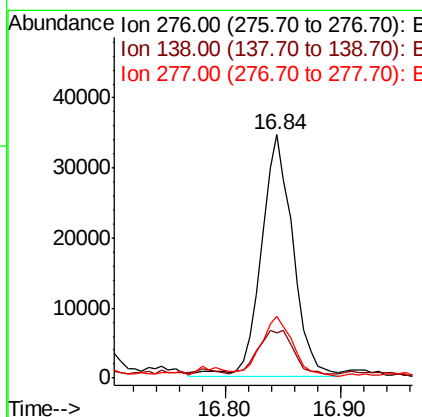
RT: 16.84 min Scan# 2509

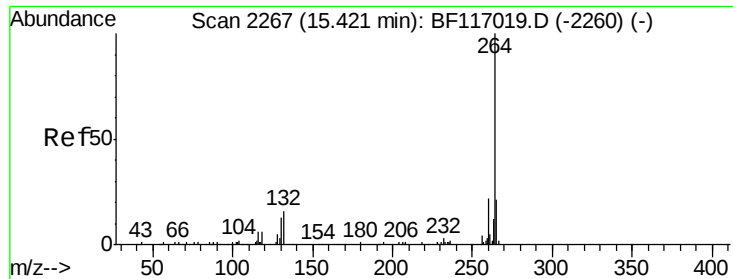
Delta R.T. -0.02 min

Lab File: BF117040.D

Acq: 13 Sep 2019 23:19

Tgt Ion:	276	Resp:	66225
Ion Ratio	Lower	Upper	
276	100		
138	19.6	20.7	31.1#
277	24.5	19.8	29.8





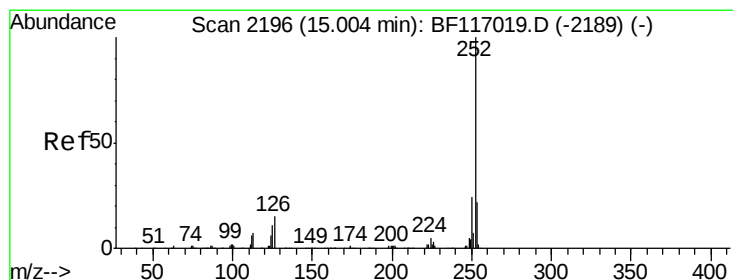
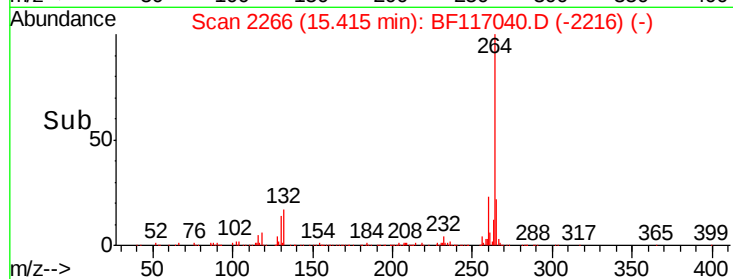
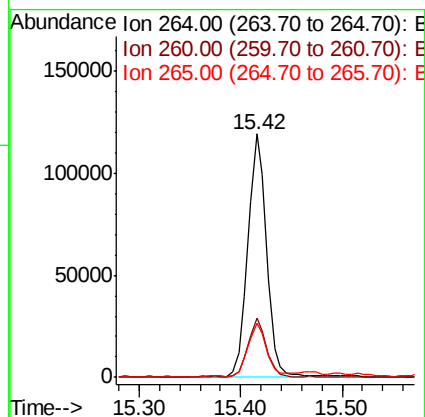
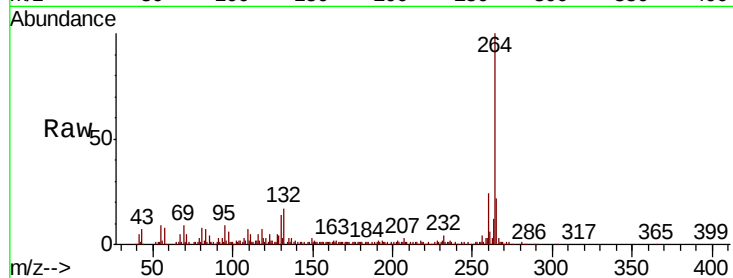
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF117040.D
Acq: 13 Sep 2019 23:19

Instrument :
BNA_F
ClientSampleId :
BUS-3(0-3.5)

Tot Ion:	264	Resp:	154619
Ion Ratio	Lower	Upper	
264	100		
260	24.1	17.6	26.4
265	22.1	16.6	24.8

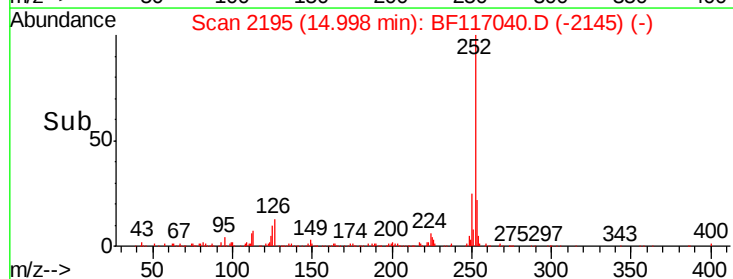
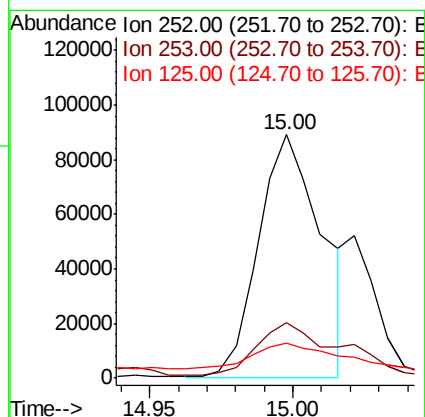
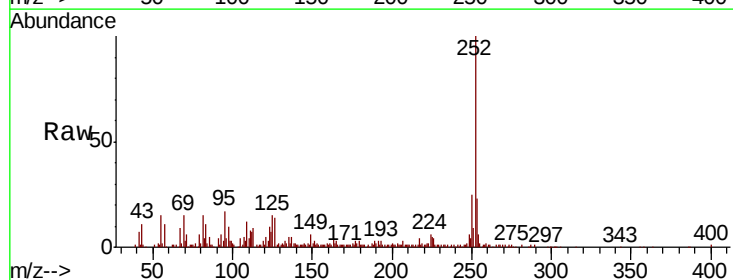
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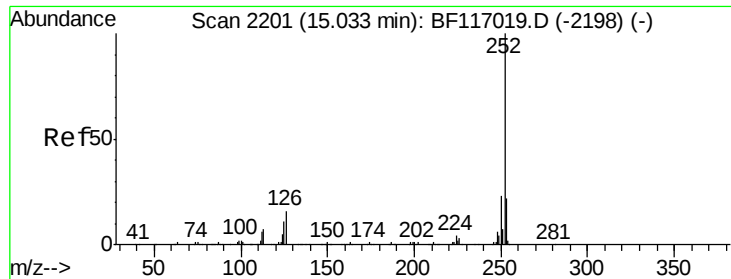
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#88
Benzo(b)fluoranthene
Concen: 14.688 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF117040.D
Acq: 13 Sep 2019 23:19

Tgt Ion:	252	Resp:	137562
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.6	26.4
125	14.6	8.6	12.8#





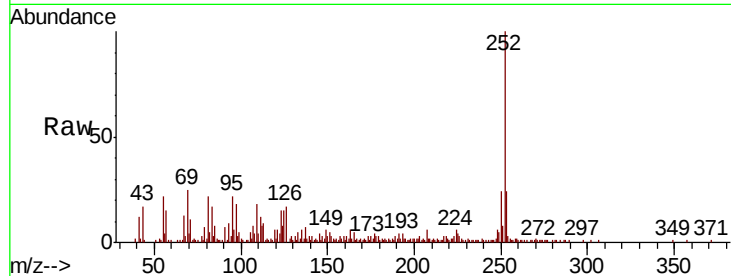
#89
Benzo(k)fluoranthene
Concen: 4.427 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF117040.D
Acq: 13 Sep 2019 23:19

Instrument :
BNA_F
ClientSampleId :
BUS-3(0-3.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	14.5	8.8	13.2

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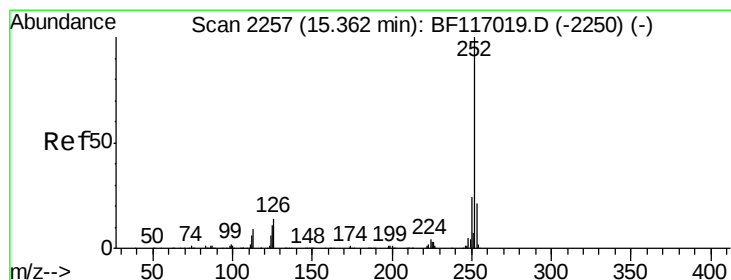
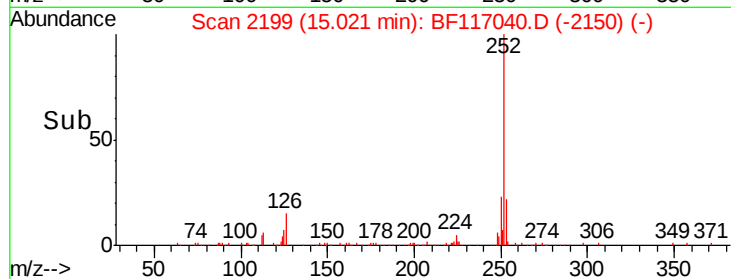
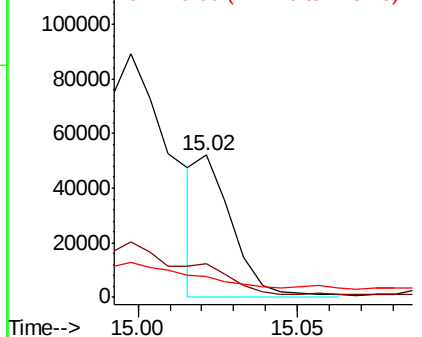


Abundance

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: 11.670 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF117040.D
Acq: 13 Sep 2019 23:19

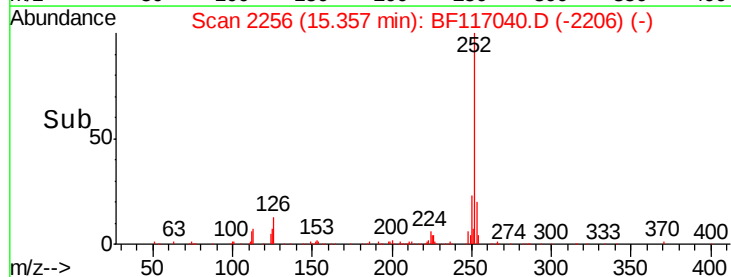
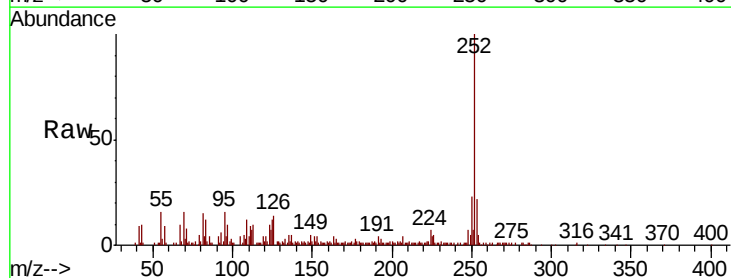
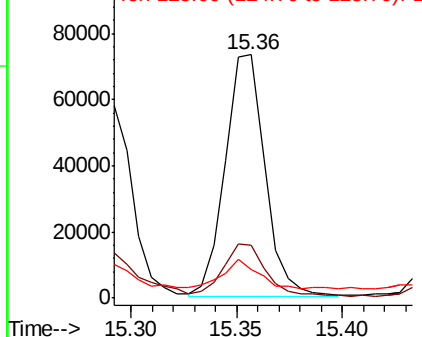
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.6	25.0
125	11.7	8.9	13.3

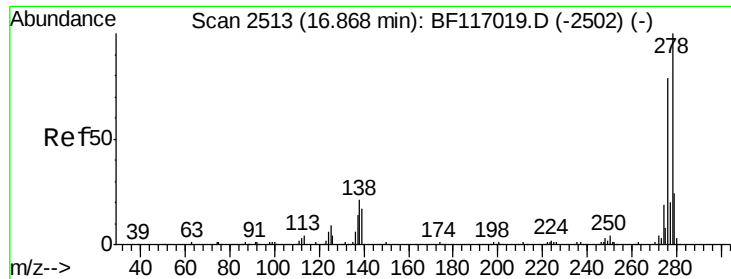
Abundance

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





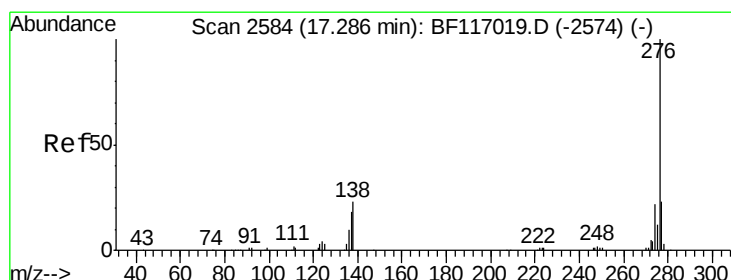
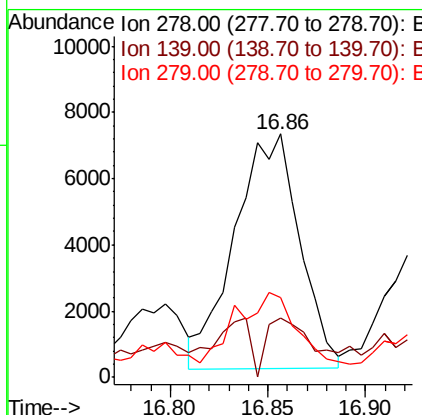
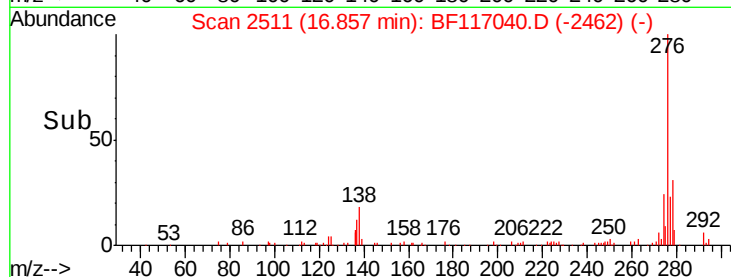
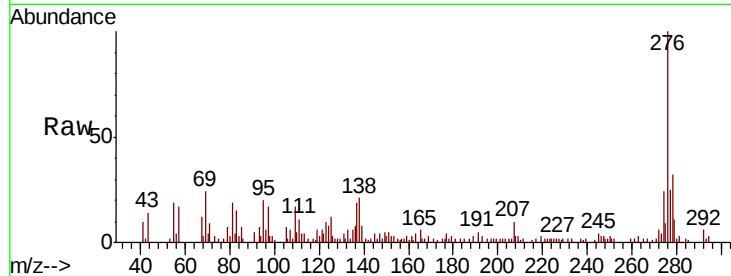
#91
Dibenzo(a,h)anthracene
Concen: 2.496 ng
RT: 16.86 min Scan# 2511
Delta R.T. -0.01 min
Lab File: BF117040.D
Acq: 13 Sep 2019 23:19

Instrument :
BNA_F
ClientSampleId :
BUS-3(0-3.5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.4	13.5	20.3#
279	32.5	18.8	28.2#

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#92
Benzo(g,h,i)perylene
Concen: 9.137 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.01 min
Lab File: BF117040.D
Acq: 13 Sep 2019 23:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	27.8
138	21.8	18.0	27.0

