

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
 Data File : BF118156.D
 Acq On : 9 Dec 2019 20:44
 Operator : JU
 Sample : K6117-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-120619

Manual Integrations
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 12/10/2019 11:50:25 AM

Quant Time: Dec 10 02:23:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	107152	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	402768	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	191424	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	297646	20.00	ng	0.00
76) Chrysene-d12	14.06	240	225895	20.00	ng	0.00
87) Perylene-d12	15.56	264	279557	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	546974	89.41	ng	0.00
7) Phenol-d6	6.50	99	693124	93.67	ng	0.00
23) Nitrobenzene-d5	7.43	82	408542	57.06	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	168771	72.58	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	842940	67.01	ng	0.00
79) Terphenyl-d14	13.00	244	722935	55.03	ng	0.00
Target Compounds						
49) Acenaphthylene	9.77	152	257921	14.399	ng	Qvalue 100
50) Dimethylphthalate	9.62	163	82828	5.858	ng	# 98
58) Fluorene	10.47	166	32128	2.524	ng	# 54
71) Phenanthrene	11.43	178	220338	13.926	ng	98
72) Anthracene	11.48	178	114884	7.278	ng	97
75) Fluoranthene	12.63	202	411960	25.466	ng	98
78) Pyrene	12.86	202	667341	37.488	ng	97
81) Benzo(a)anthracene	14.05	228	379918m	24.323	ng	
83) Chrysene	14.09	228	366412	24.558	ng	97
86) Indeno(1,2,3-cd)pyrene	17.06	276	205226	16.347	ng	95
88) Benzo(b)fluoranthene	15.12	252	460348m	24.898	ng	
89) Benzo(k)fluoranthene	15.14	252	91888m	5.173	ng	
90) Benzo(a)pyrene	15.50	252	398188	24.385	ng	98
91) Dibenzo(a,h)anthracene	17.07	278	62813	4.485	ng	# 85
92) Benzo(a,h,i)perylene	17.52	276	222019	16.496	ng	97

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

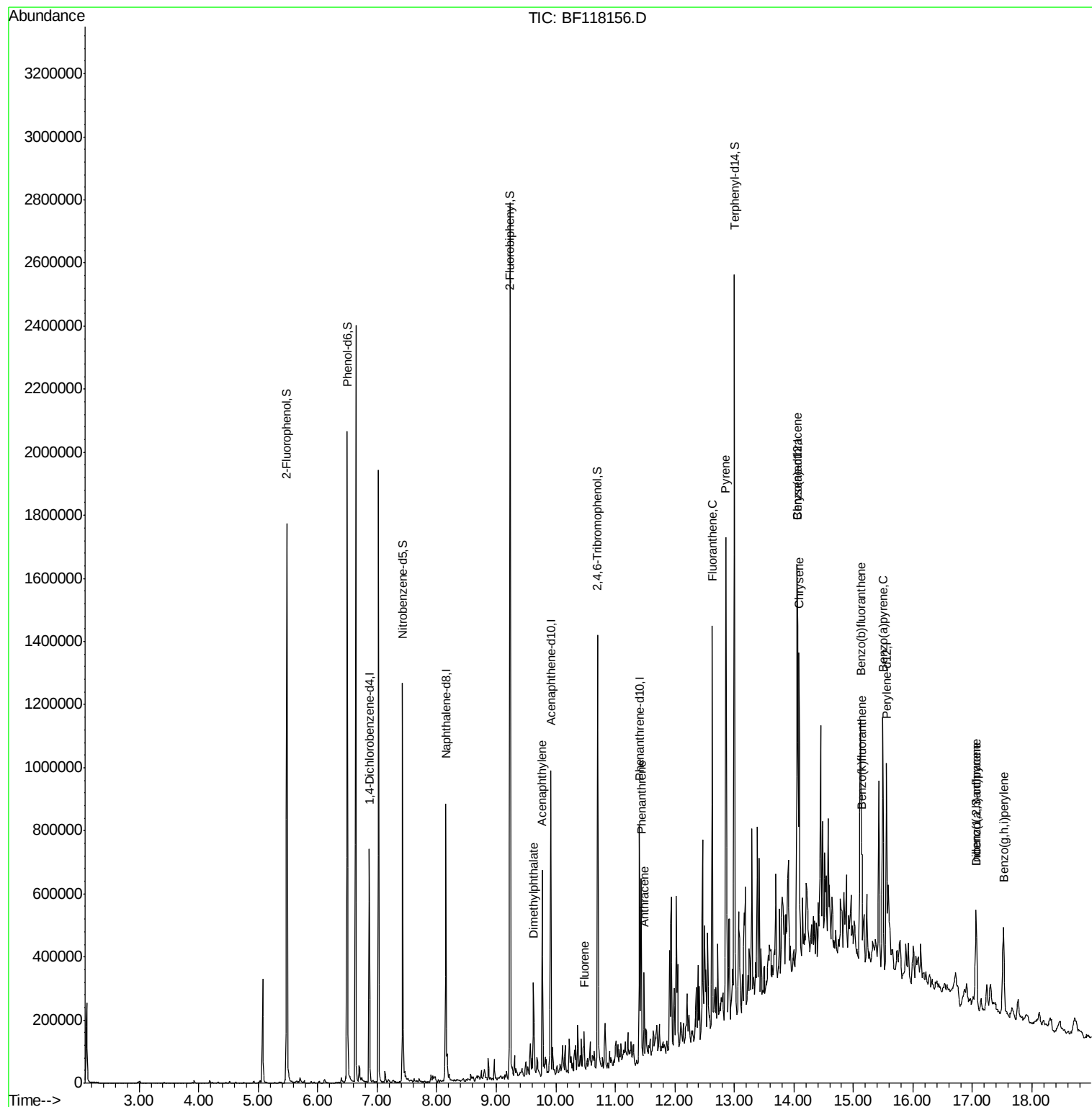
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
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#1

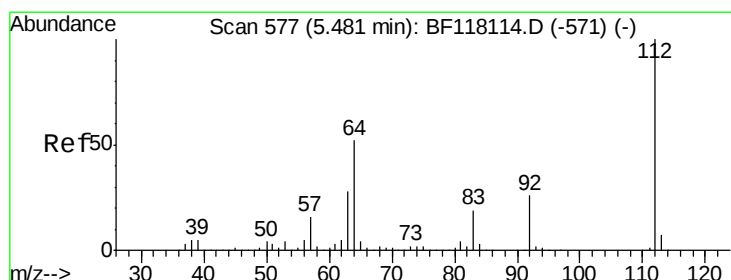
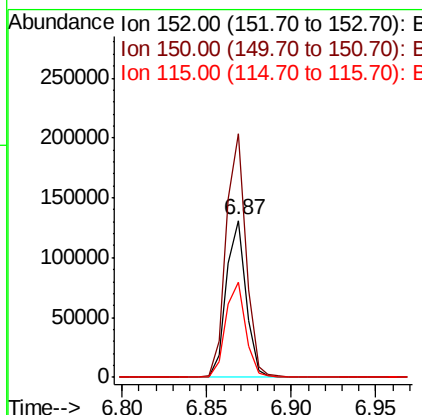
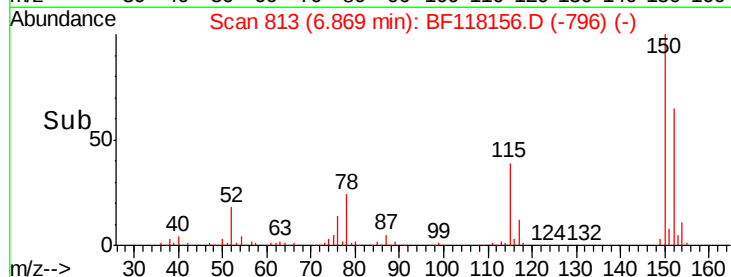
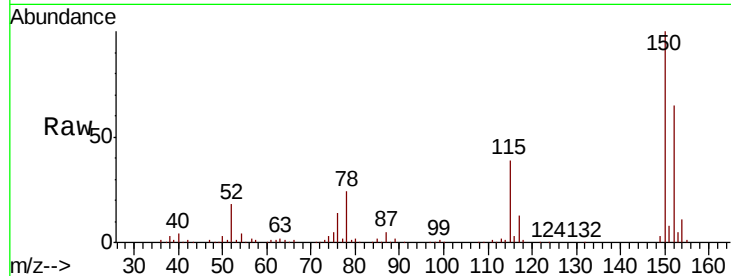
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

Instrument :
BNA_F
ClientSampleId :
TR-04-120619

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	128.3	192.5
115	60.8	51.1	76.7

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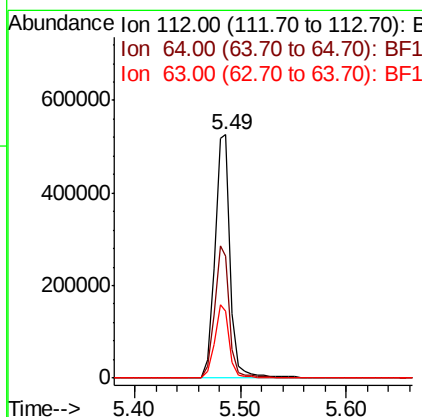
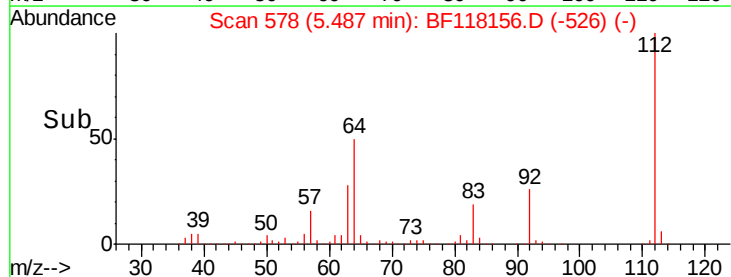
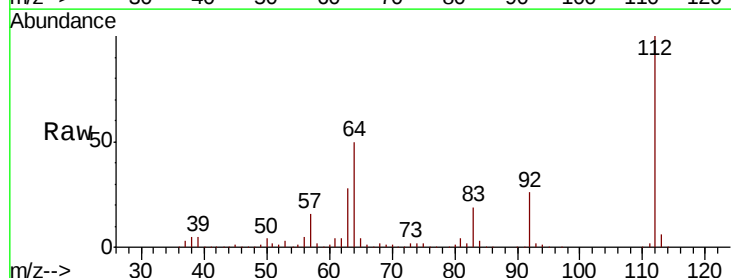
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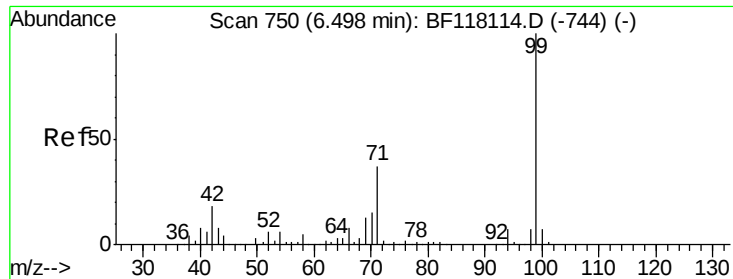


#5

2-Fluorophenol
Concen: 89.406 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.3	41.3	61.9
63	27.7	22.4	33.6





#7

Phenol-d6

Concen: 93.669 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118156.D

Acq: 9 Dec 2019 20:44

Instrument :

BNA_F

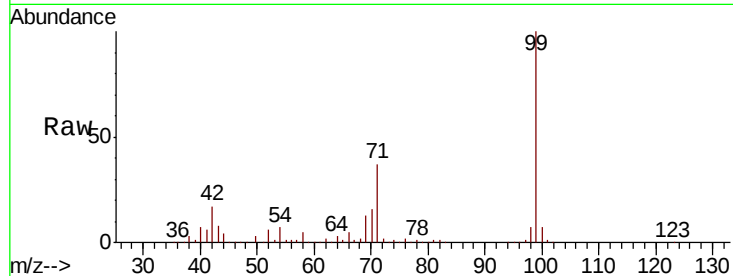
ClientSampleId :

TR-04-120619

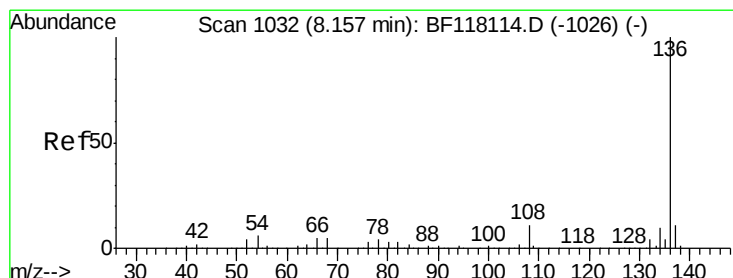
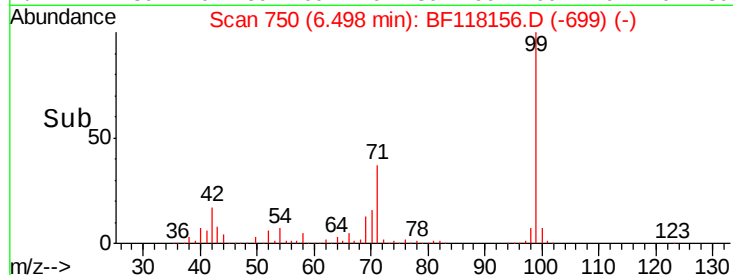
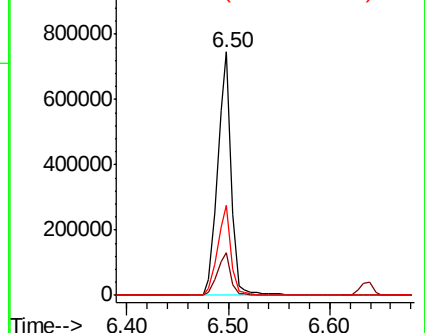
Tot Ion:	99	Resp:	693124
Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.1	21.1
71	36.8	29.7	44.5

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

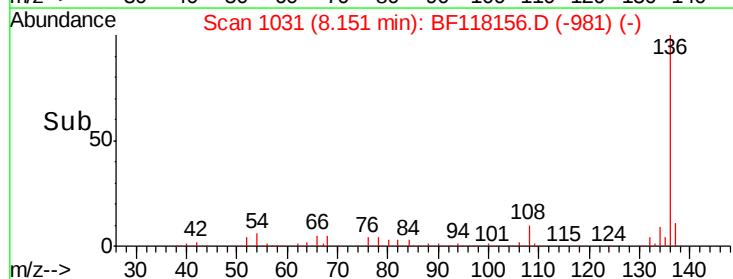
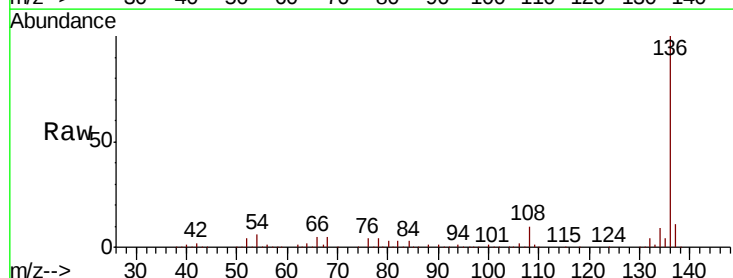
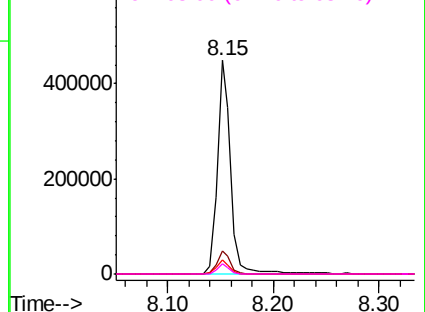
Delta R.T. -0.01 min

Lab File: BF118156.D

Acq: 9 Dec 2019 20:44

Tgt Ion:	136	Resp:	402768
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	6.4	5.0	7.6
68	4.8	3.8	5.8

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





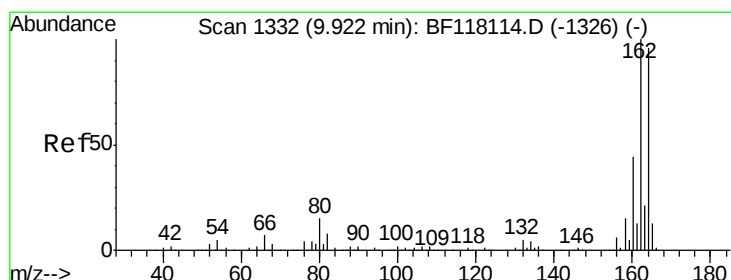
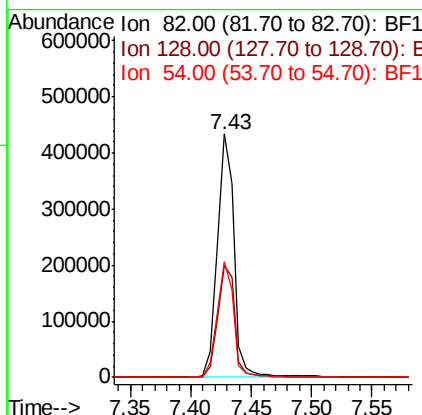
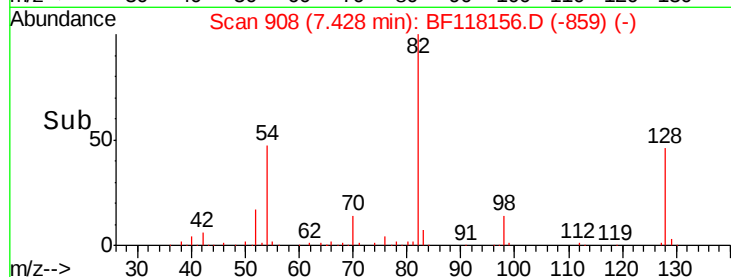
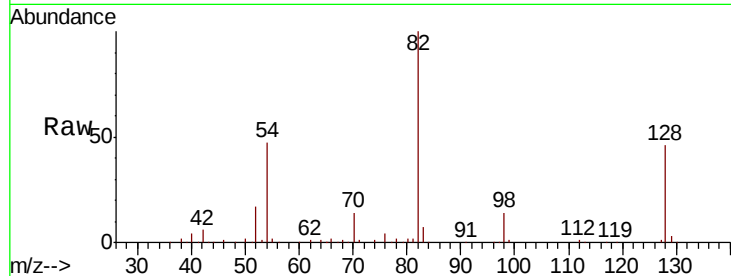
#23
Nitrobenzene-d5
Concen: 57.064 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

Instrument :
BNA_F
ClientSampleId :
TR-04-120619

Tot Ion	Ratio	Resp	Lower	Upper
82	100	408542		
128	46.0	39.1	58.7	
54	47.3	38.2	57.2	

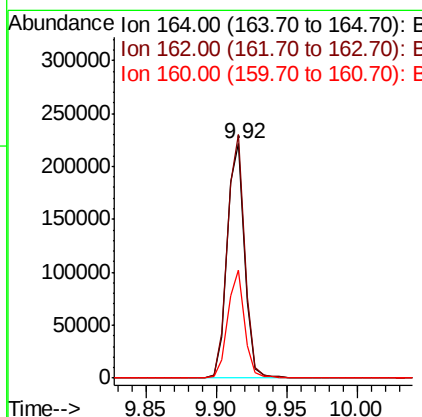
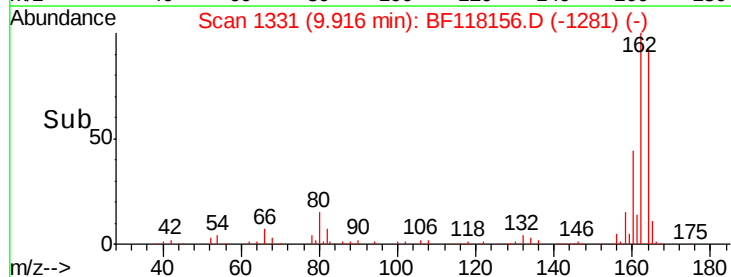
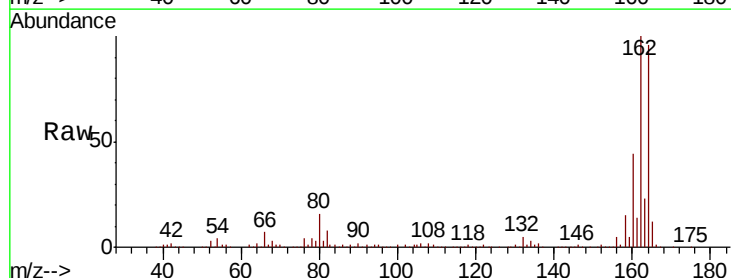
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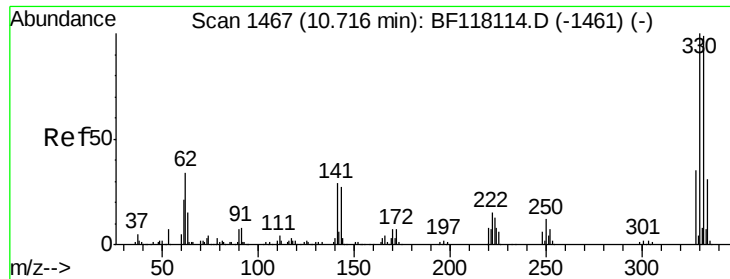
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	191424		
162	103.9	83.4	125.0	
160	45.9	36.6	54.8	





#42

2,4,6-Tribromophenol

Concen: 72.576 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF118156.D

Acq: 9 Dec 2019 20:44

Instrument :

BNA_F

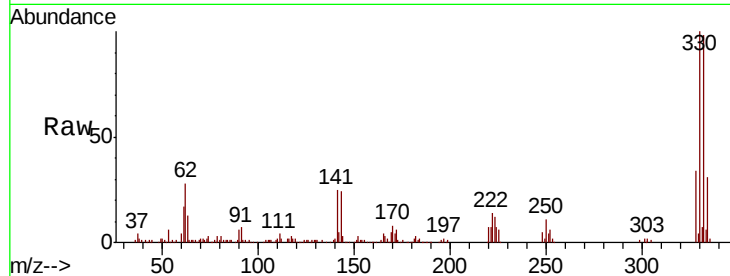
ClientSampleId :

TR-04-120619

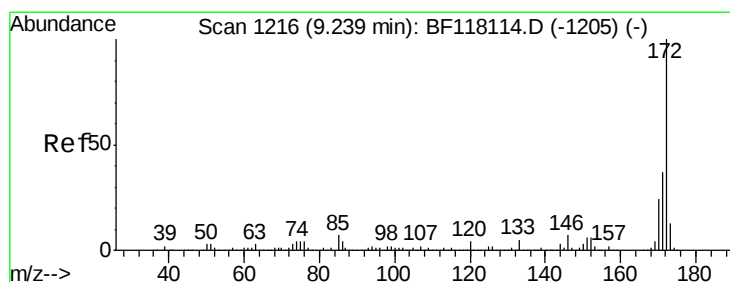
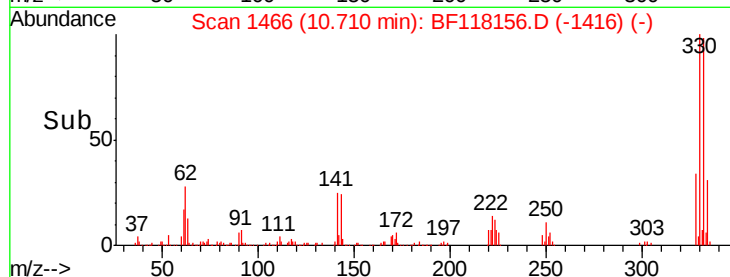
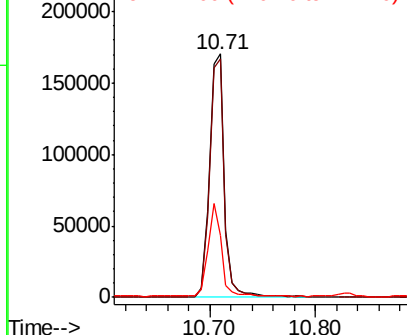
Tot Ion:	330	Resp:	168771
Ion Ratio	Lower	Upper	
330	100		
332	96.2	78.1	117.1
141	34.2	26.9	40.3

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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: 67.006 ng

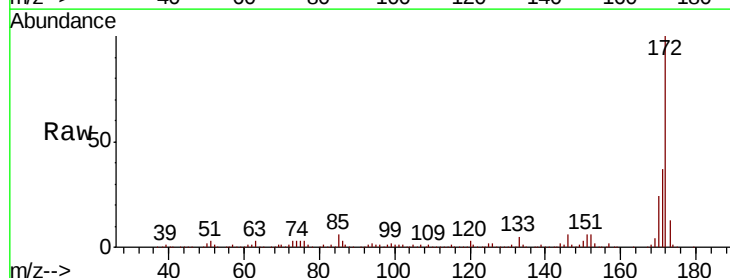
RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

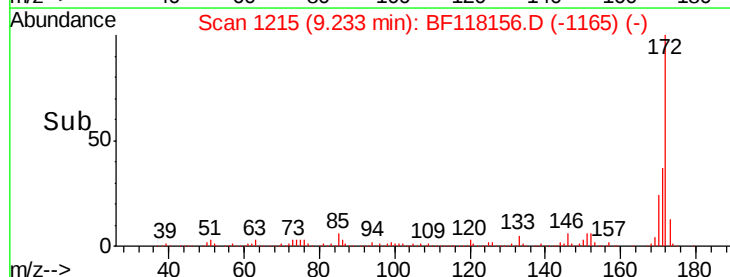
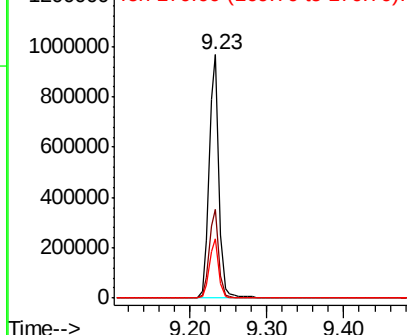
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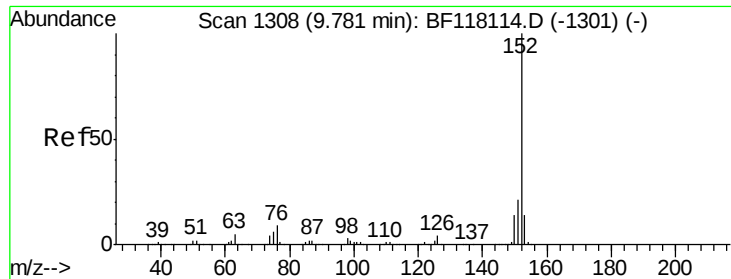
Acq: 9 Dec 2019 20:44

Tgt Ion:	172	Resp:	842940
Ion Ratio	Lower	Upper	
172	100		
171	36.5	29.2	43.8
170	24.2	19.4	29.2



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





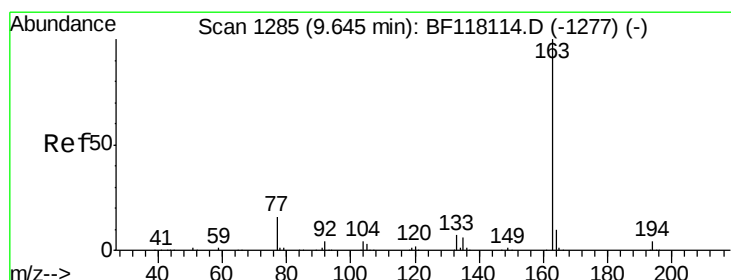
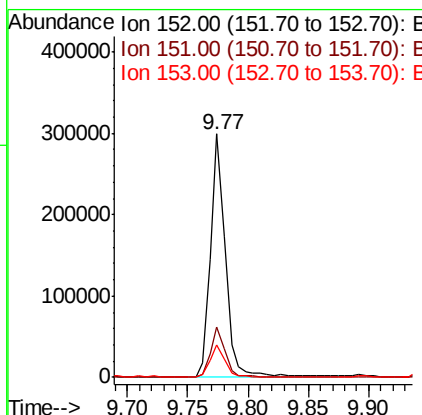
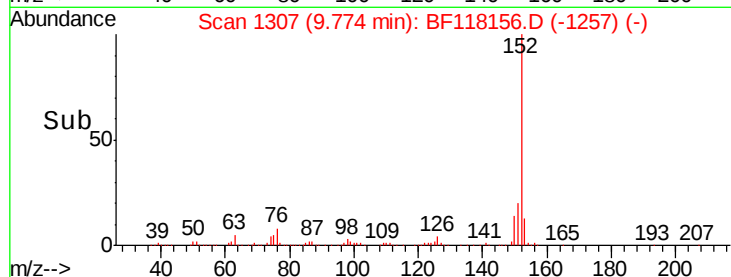
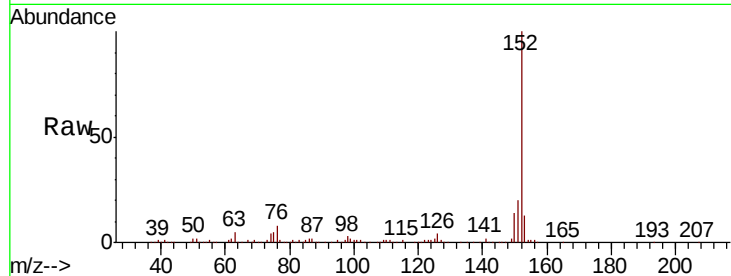
#49
Acenaphthylene
Concen: 14.399 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

Instrument :
BNA_F
ClientSampleId :
TR-04-120619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		257921		
151	20.5	16.4	24.6		
153	13.4	10.8	16.2		

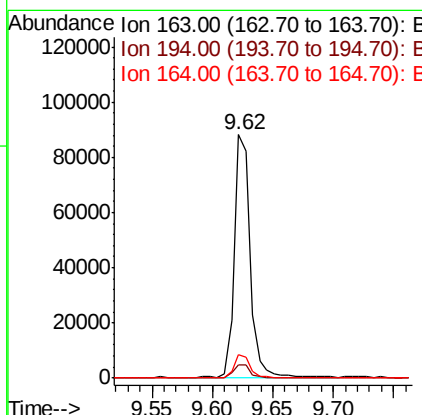
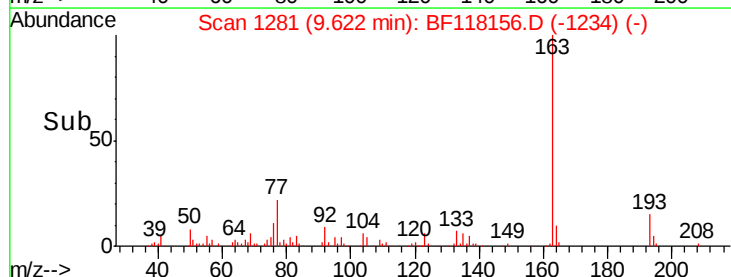
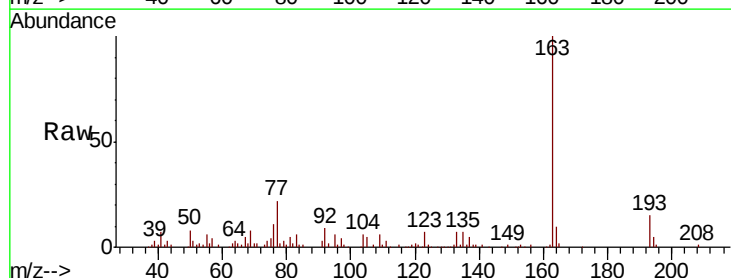
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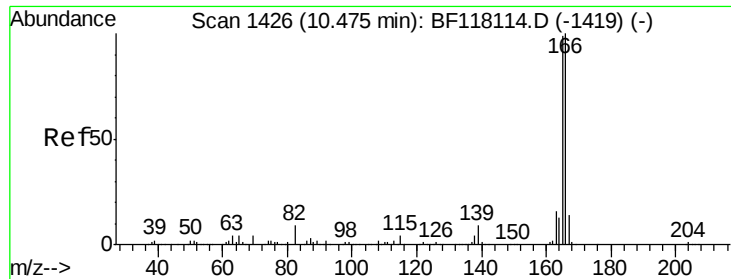
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#50
Dimethylphthalate
Concen: 5.858 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		82828		
194	5.4	3.1	4.7#		
164	9.8	7.7	11.5		





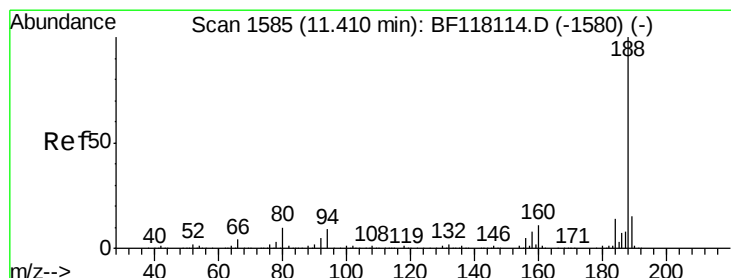
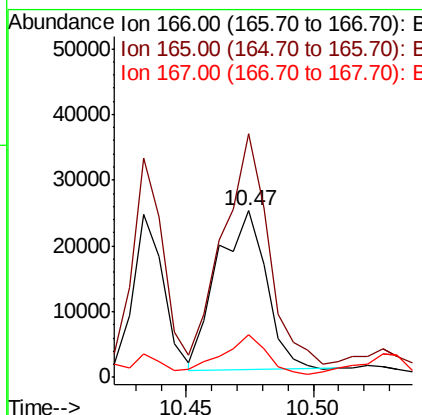
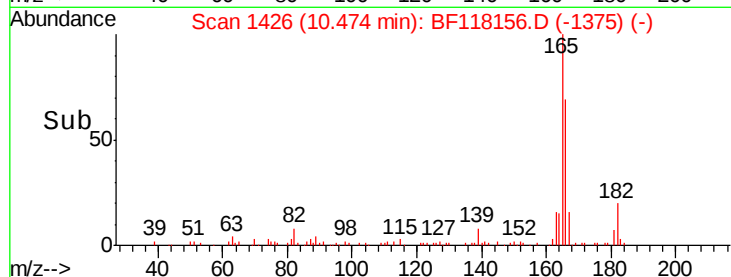
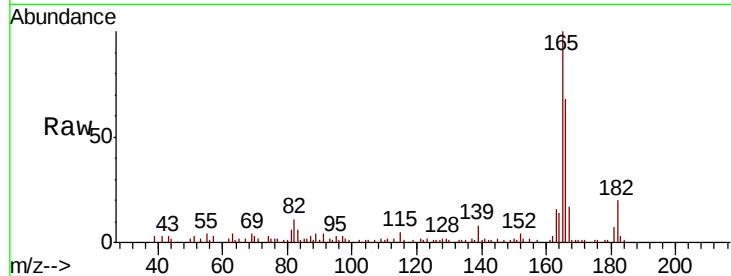
#58
 Fluorene
 Concen: 2.524 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BF118156.D
 Acq: 9 Dec 2019 20:44

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	146.3	79.0	118.4#
167	25.4	10.9	16.3#

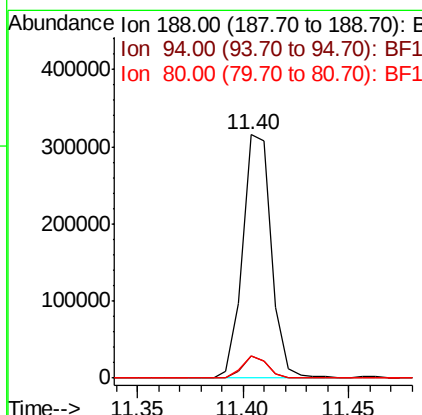
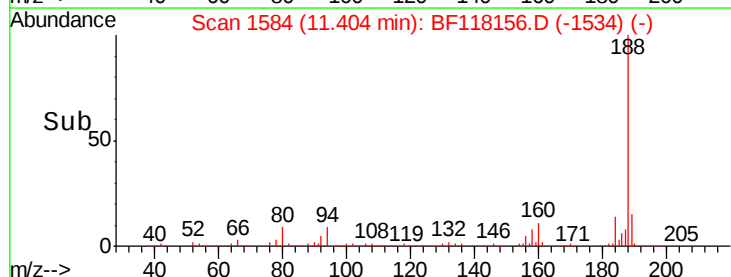
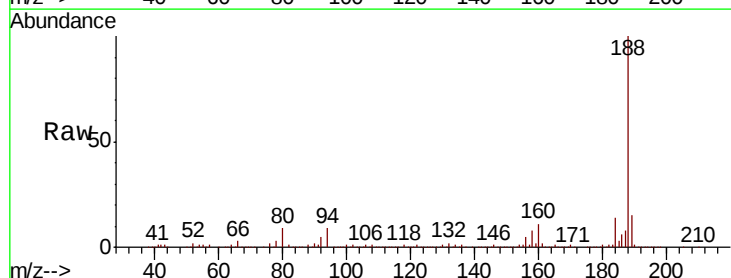
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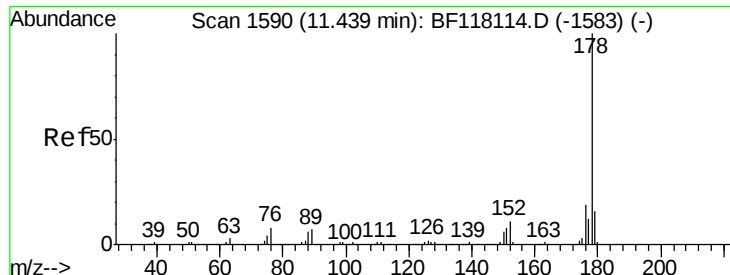
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118156.D
 Acq: 9 Dec 2019 20:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.1	10.7
80	9.2	7.9	11.9





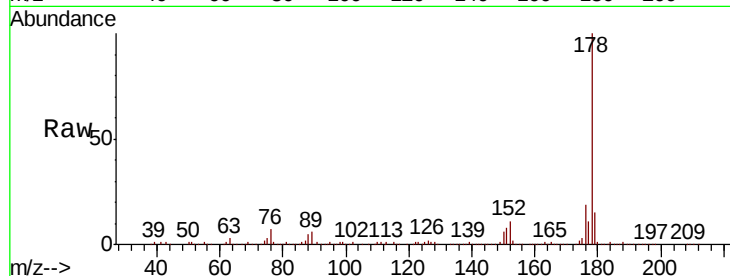
#71
Phenanthrene
Concen: 13.926 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

Instrument :
BNA_F
ClientSampleId :
TR-04-120619

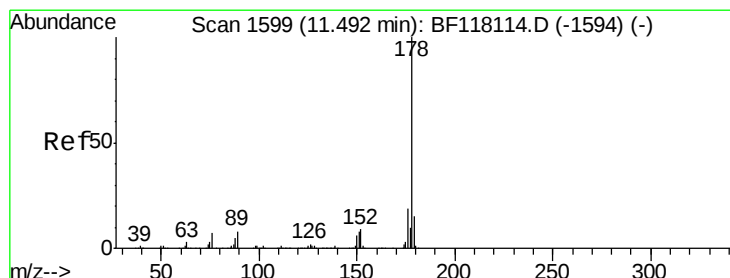
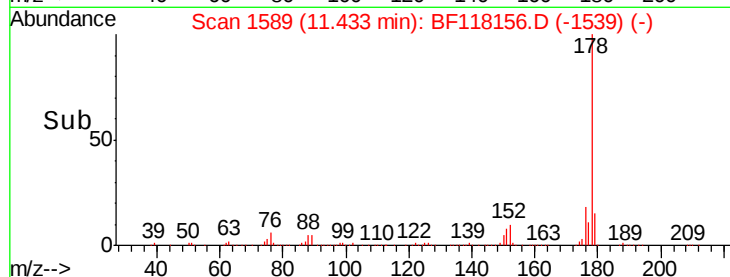
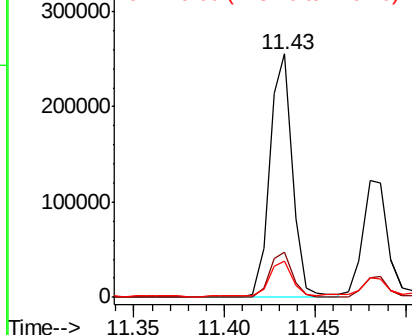
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	15.0	12.6	18.8

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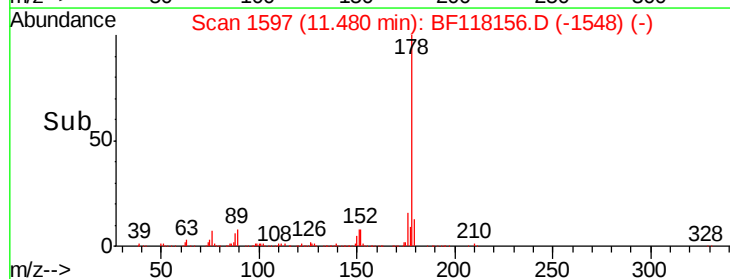
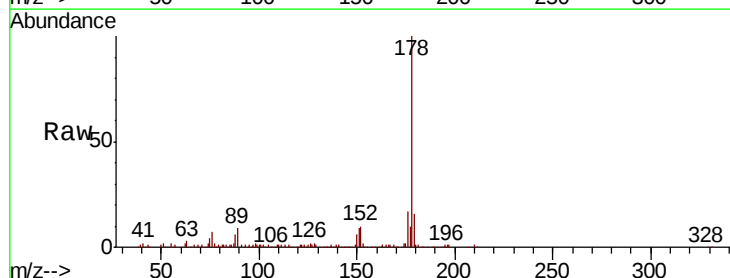
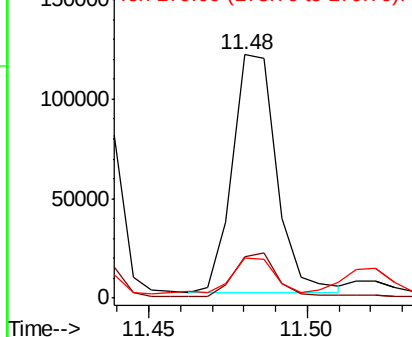
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

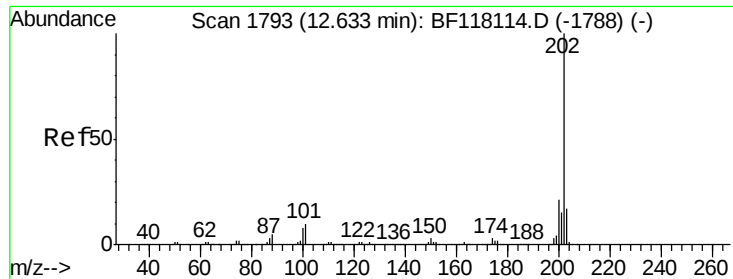


#72
Anthracene
Concen: 7.278 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.0	22.6
179	16.4	12.2	18.4

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: 25.466 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF118156.D

Acq: 9 Dec 2019 20:44

Instrument :

BNA_F

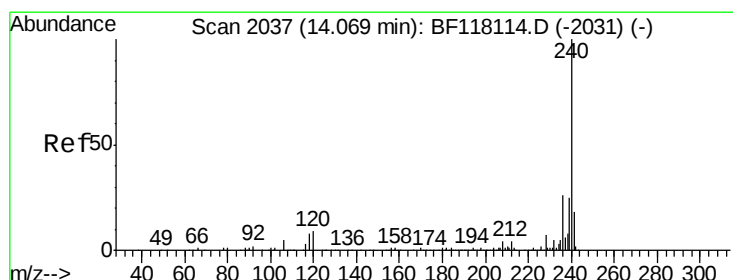
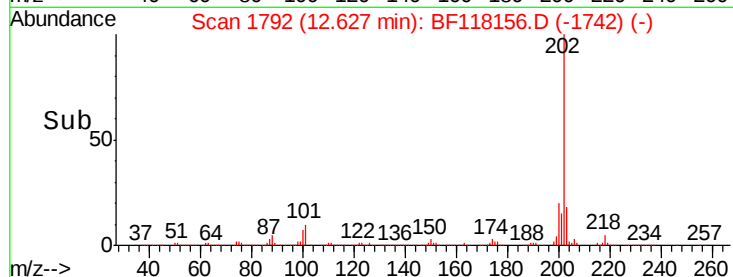
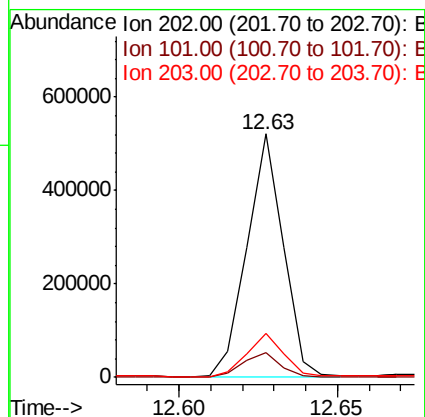
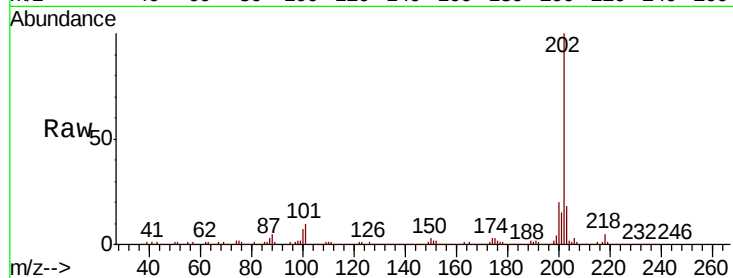
ClientSampleId :

TR-04-120619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		411960		
101	10.2	0.0	30.4		
203	18.3	0.0	37.2		

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#76

Chrysene-d12

Concen: 20.000 ng

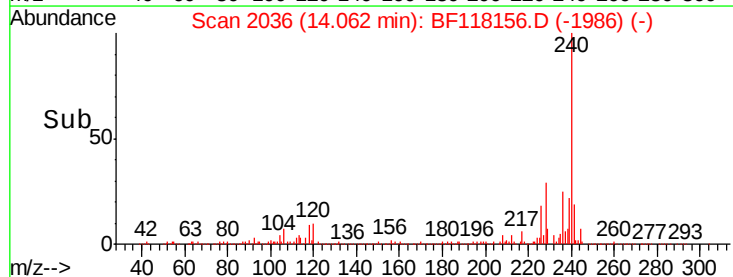
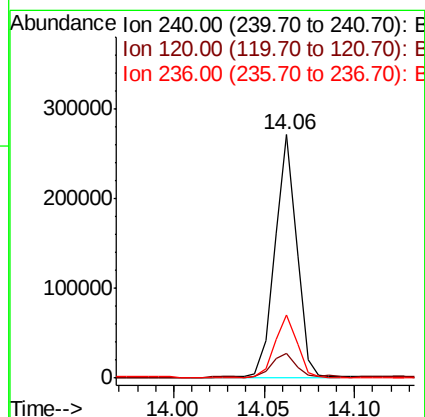
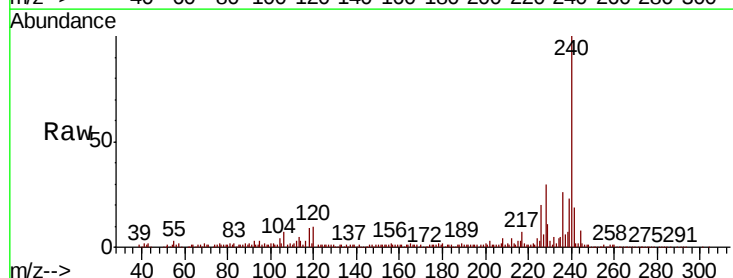
RT: 14.06 min Scan# 2036

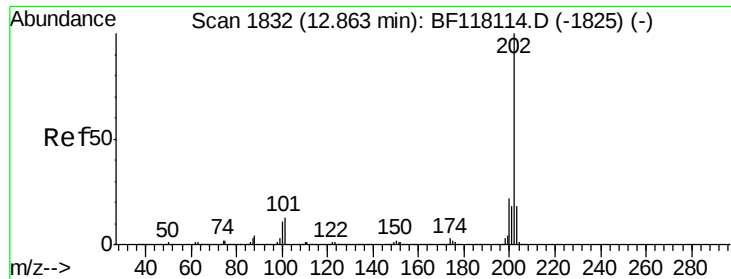
Delta R.T. -0.01 min

Lab File: BF118156.D

Acq: 9 Dec 2019 20:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		225895		
120	10.2	7.1	10.7		
236	25.9	21.0	31.6		





#78

Pvrene

Concen: 37.488 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.00 min

Lab File: BF118156.D

Acq: 9 Dec 2019 20:44

Instrument :

BNA_F

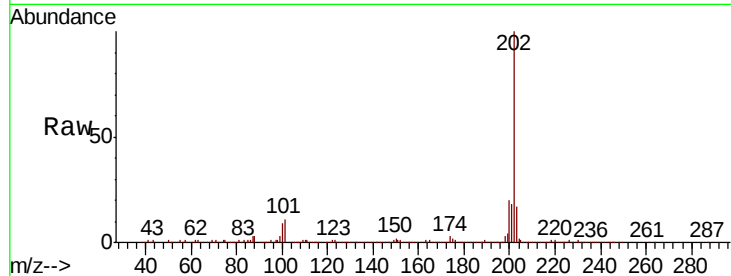
ClientSampleId :

TR-04-120619

Tot Ion:	202	Resp:	667341
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.5	26.3
203	17.2	14.6	21.8

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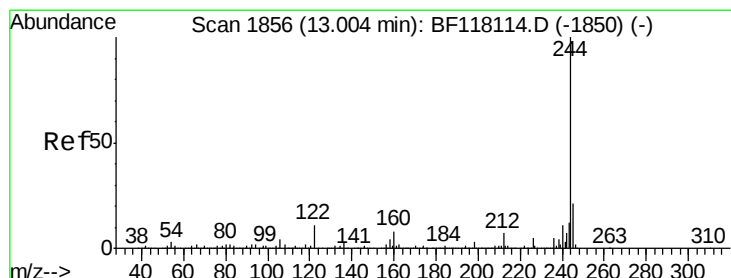
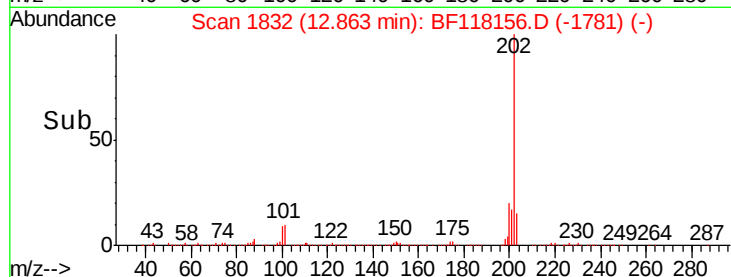
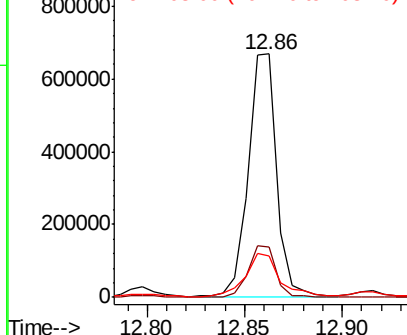


Abundance

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: 55.033 ng

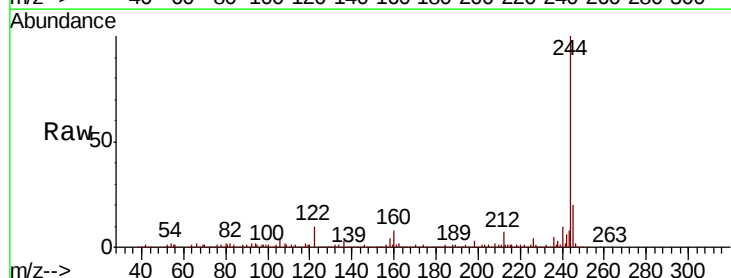
RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118156.D

Acq: 9 Dec 2019 20:44

Tgt Ion:	244	Resp:	722935
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.9	8.9
122	10.5	9.0	13.6

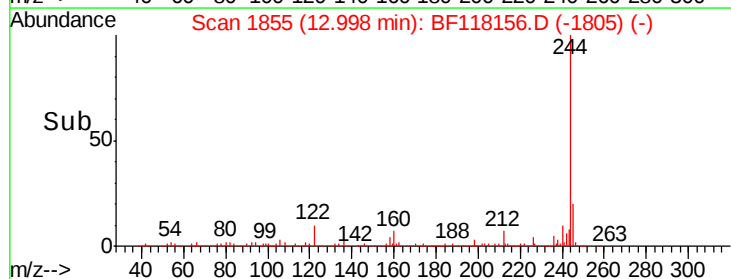
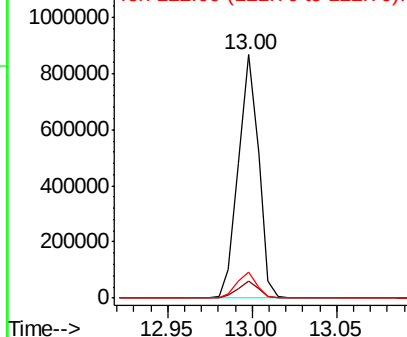


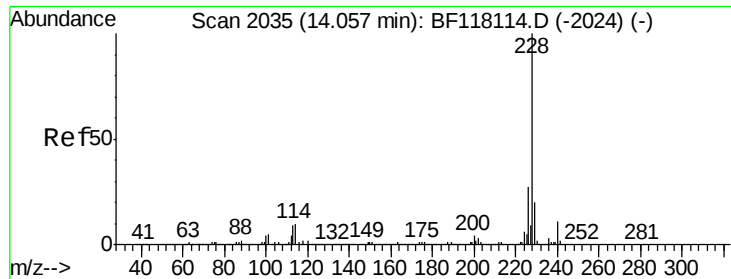
Abundance

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





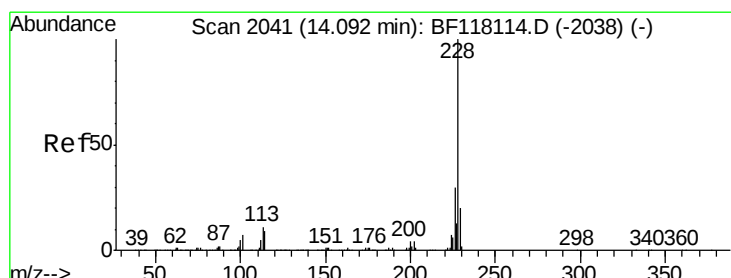
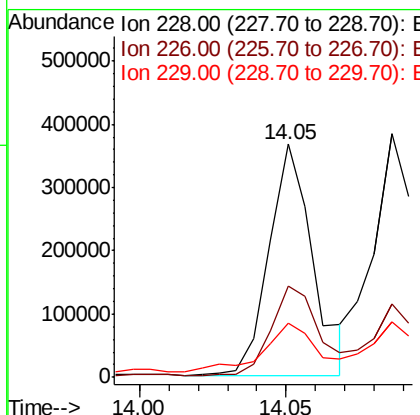
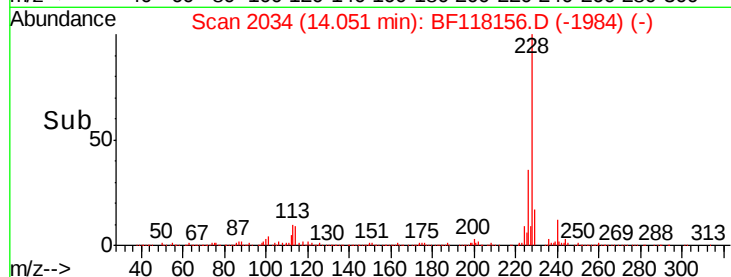
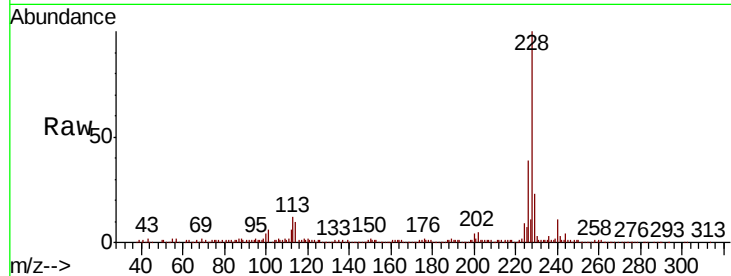
#81
Benzo(a)anthracene
Concen: 24.323 ng m
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

Instrument :
BNA_F
ClientSampleId :
TR-04-120619

Tot Ion	Ratio	Lower	Upper
228	100		
226	39.0	21.8	32.8#
229	23.3	15.8	23.8

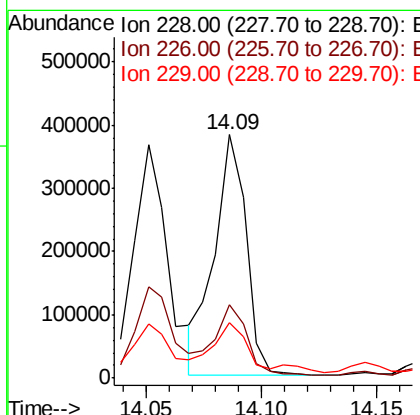
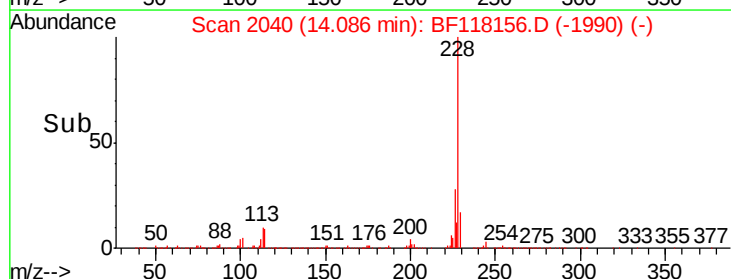
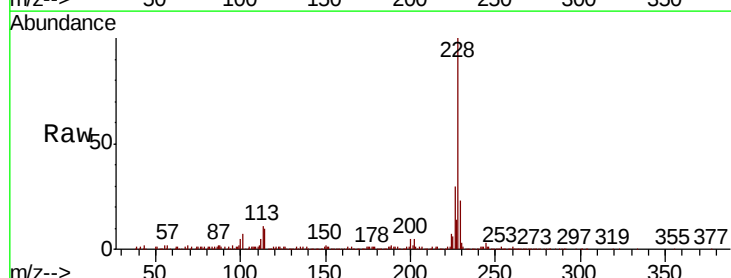
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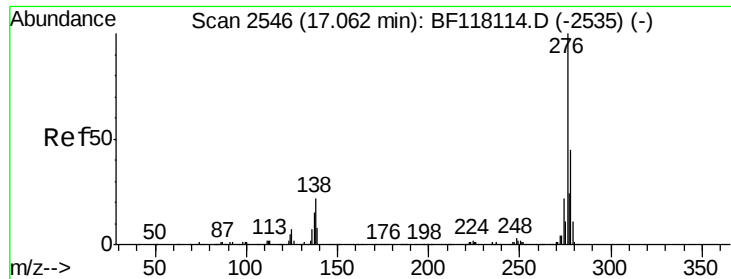
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#83
Chrysene
Concen: 24.558 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.8
229	22.9	15.7	23.5





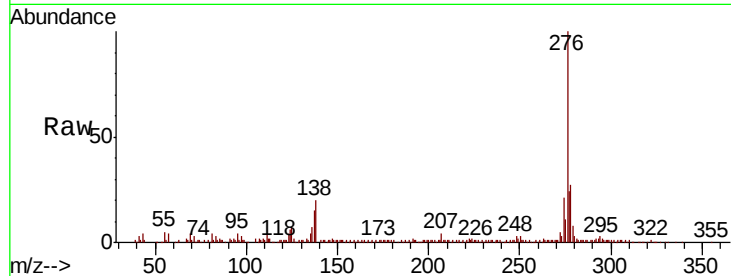
#86
Indeno(1,2,3-cd)pyrene
Concen: 16.347 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

Instrument :
BNA_F
ClientSampleId :
TR-04-120619

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.9	18.9	28.3
277	23.9	20.4	30.6

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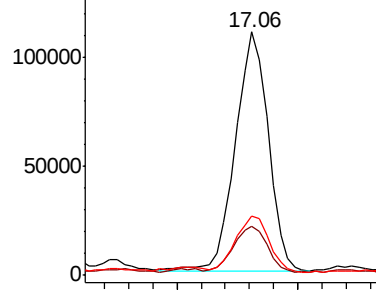


Abundance

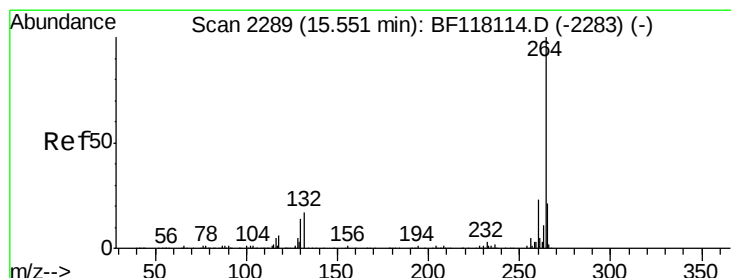
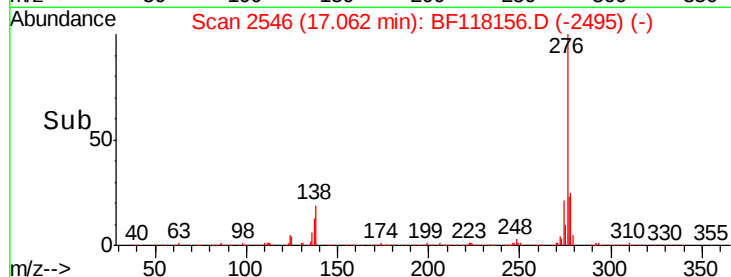
Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

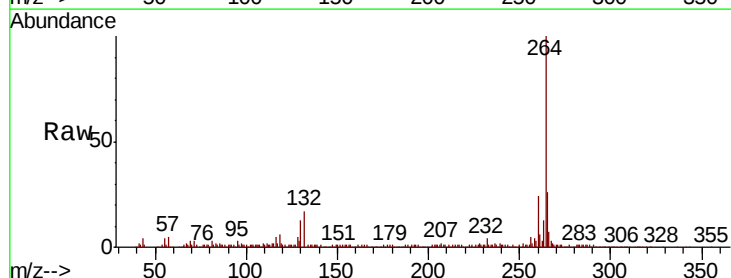


Time-->



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.01 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	28.0
265	25.7	16.8	25.2#

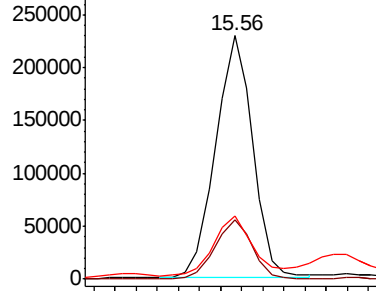


Abundance

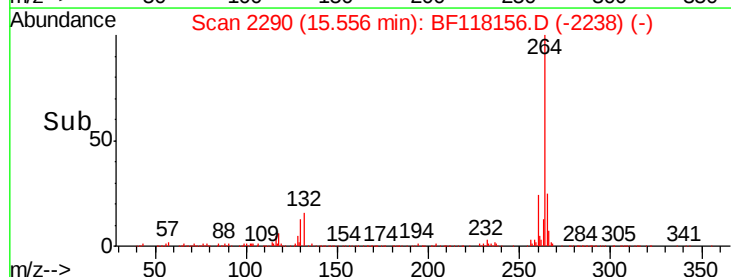
Ion 264.00 (263.70 to 264.70): E

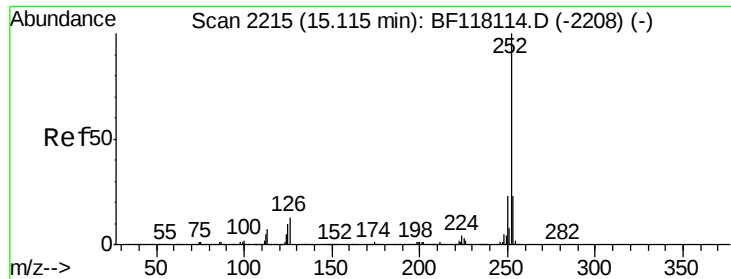
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





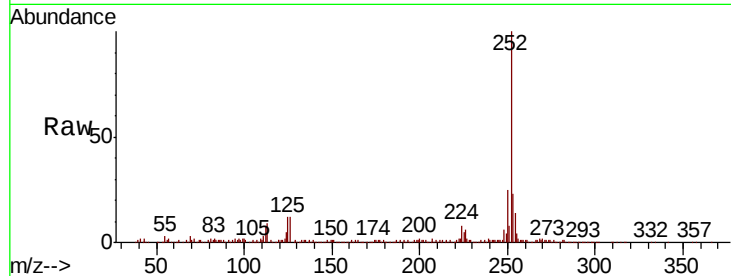
#88
Benzo(b)fluoranthene
Concen: 24.898 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

Instrument :
BNA_F
ClientSampleId :
TR-04-120619

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	12.0	8.3	12.5

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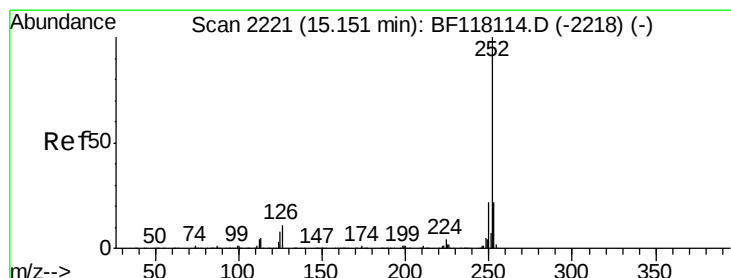
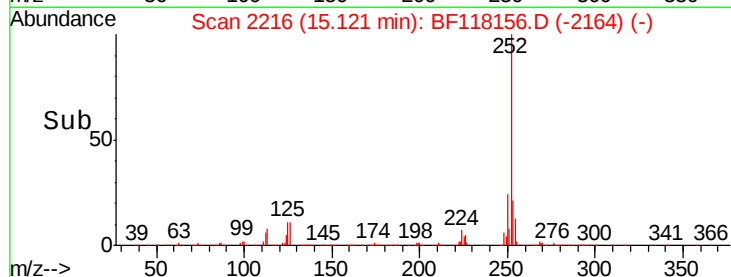
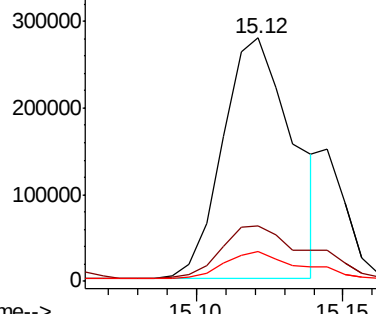


Abundance

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



#89
Benzo(k)fluoranthene
Concen: 5.173 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

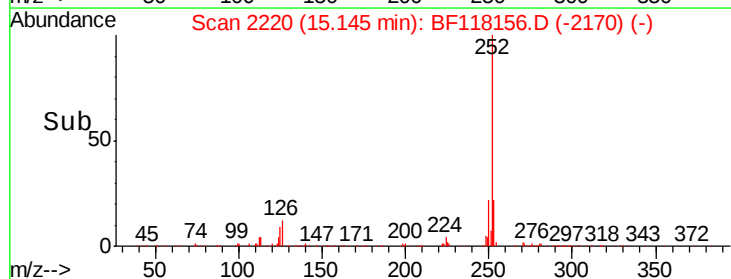
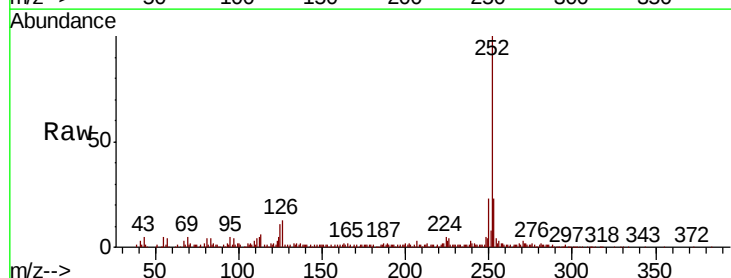
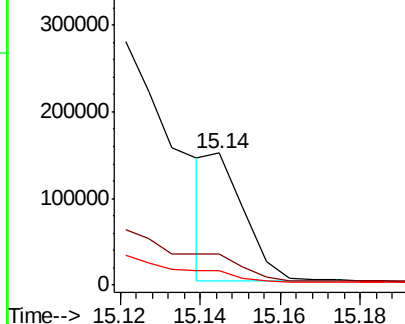
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	10.9	6.7	10.1#

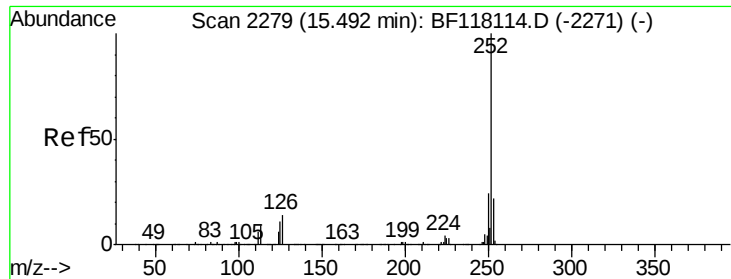
Abundance

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





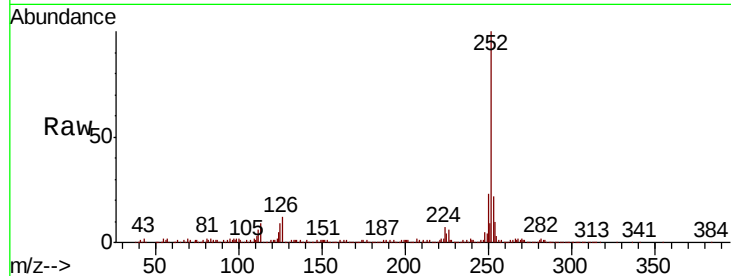
#90
Benzo(a)pyrene
Concen: 24.385 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

Instrument :
BNA_F
ClientSampleId :
TR-04-120619

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.2	9.1	13.7

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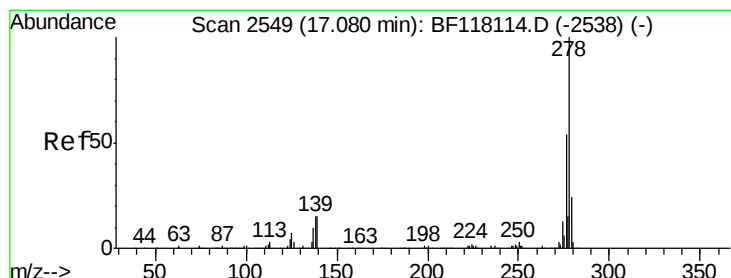
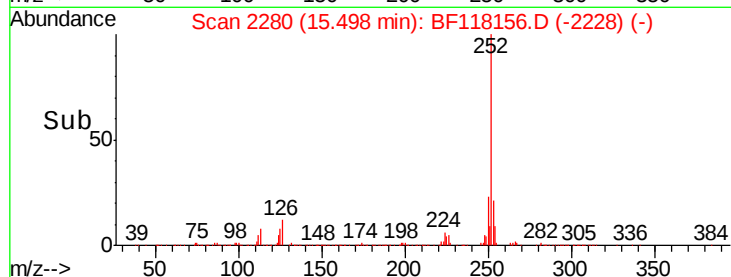
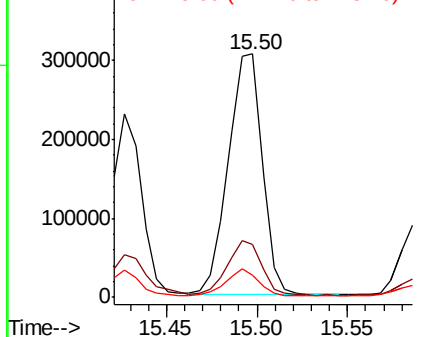


Abundance

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



#91
Dibenzo(a,h)anthracene
Concen: 4.485 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BF118156.D
Acq: 9 Dec 2019 20:44

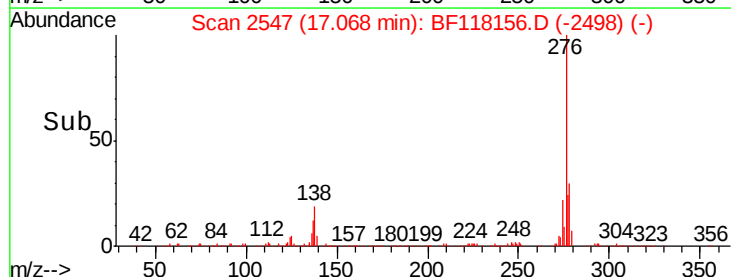
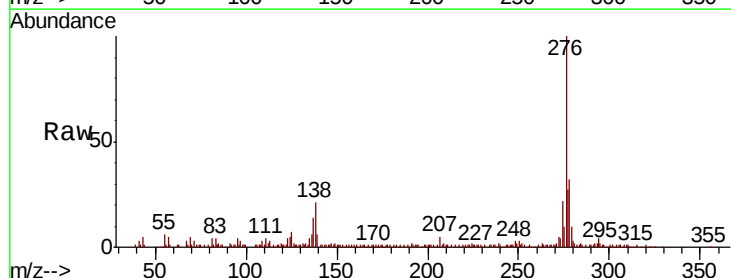
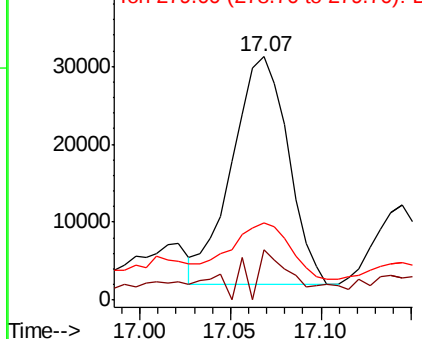
Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.5	11.7	17.5#
279	31.5	19.0	28.4#

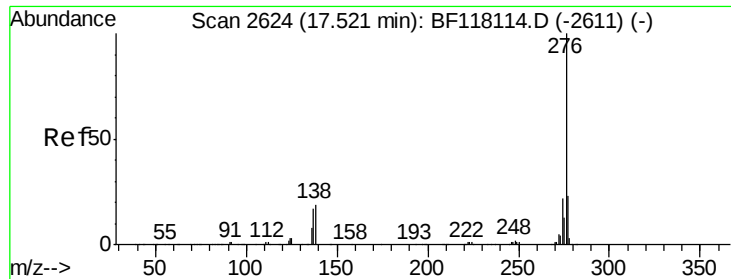
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 16.496 ng
 RT: 17.52 min Scan# 2624
 Delta R.T. -0.00 min
 Lab File: BF118156.D
 Acq: 9 Dec 2019 20:44

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-120619

Tot Ion:	276	Resp:	222019
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.2	27.4
138	19.6	15.5	23.3

Manual Integrations
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