

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118314.D
 Acq On : 26 Dec 2019 14:08
 Operator : JU
 Sample : K6417-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
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Quant Time: Dec 27 04:35:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	117270	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	471500	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	252361	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	488765	20.00	ng	0.00
76) Chrysene-d12	14.04	240	309815	20.00	ng	-0.01
87) Perylene-d12	15.53	264	343783	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	658844	95.90	ng	0.00
7) Phenol-d6	6.48	99	839375	98.49	ng	0.00
23) Nitrobenzene-d5	7.41	82	508025	61.63	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	296810	95.24	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1070893	64.78	ng	0.00
79) Terphenyl-d14	12.98	244	1290615	69.11	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.49	94	32591	3.402	ng	92
50) Dimethylphthalate	9.61	163	58824	3.105	ng	99
71) Phenanthrene	11.41	178	257710	9.672	ng	98
75) Fluoranthene	12.61	202	534606	19.881	ng	99
78) Pyrene	12.84	202	468047	18.500	ng	99
81) Benzo(a)anthracene	14.03	228	251084	11.578	ng	94
83) Chrysene	14.07	228	230255	11.089	ng	98
86) Indeno(1,2,3-cd)pyrene	17.02	276	117572	6.645	ng	93
88) Benzo(b)fluoranthene	15.09	252	274317m	12.021	ng	
89) Benzo(k)fluoranthene	15.12	252	92438m	4.219	ng	
90) Benzo(a)pyrene	15.46	252	189892	9.446	ng	98
91) Dibenzo(a,h)anthracene	17.03	278	34993	2.006	ng	# 85
92) Benzo(a,h,i)perylene	17.47	276	98249	5.830	ng	99

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

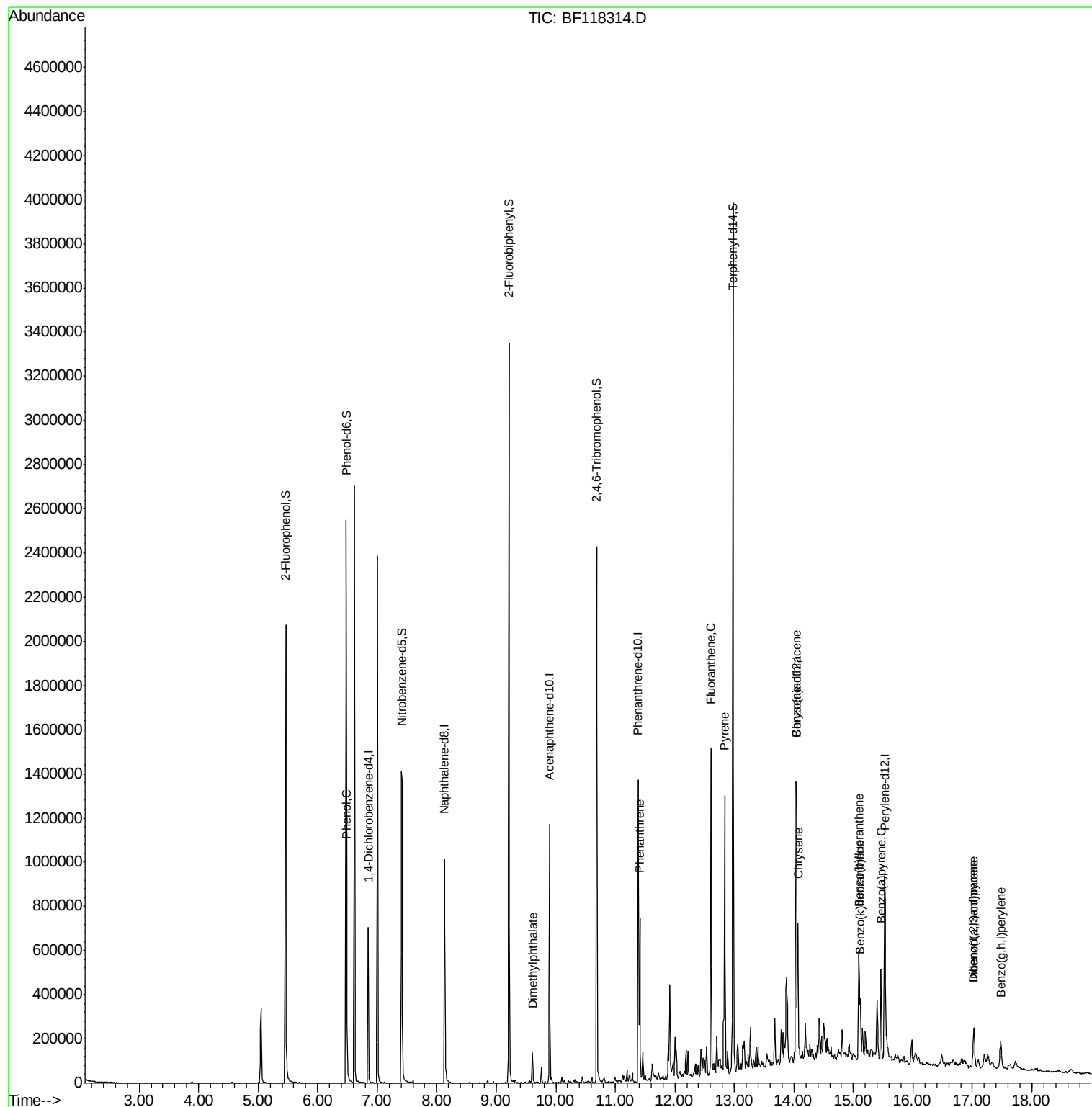
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118314.D
Acq On : 26 Dec 2019 14:08
Operator : JU
Sample : K6417-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

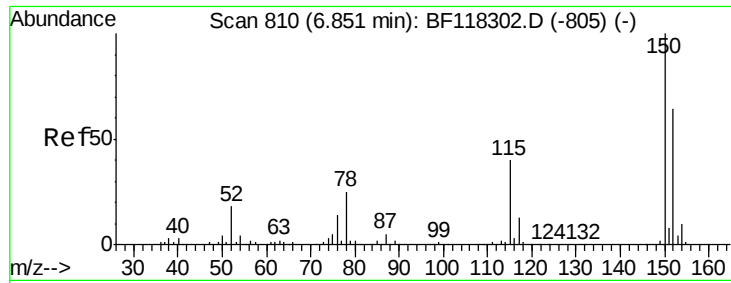
Instrument :
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TP-2

Quant Time: Dec 27 04:35:41 2019
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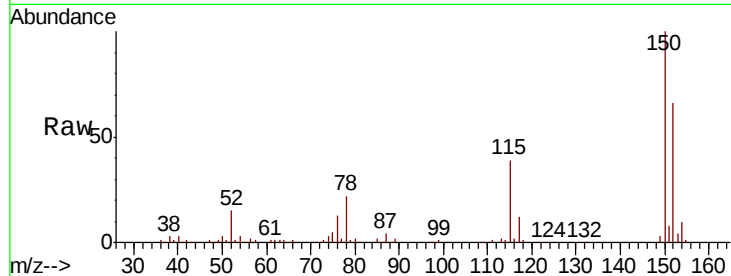
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF118314.D
 Acq: 26 Dec 2019 14:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	125.4	188.2
115	59.4	50.2	75.4

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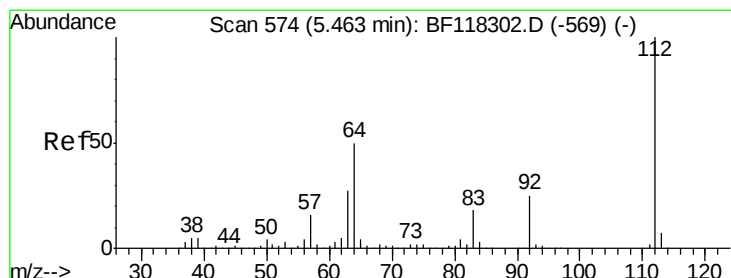
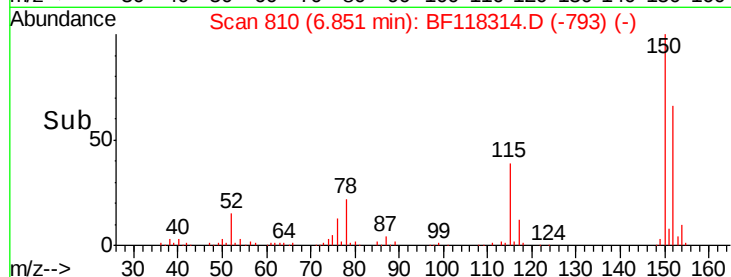
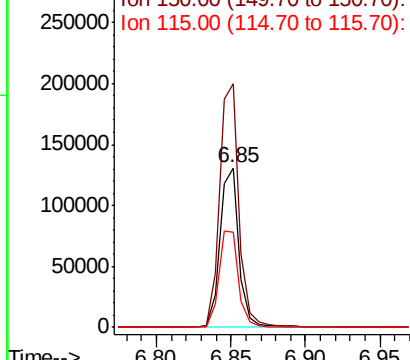


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 95.902 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: BF118314.D
 Acq: 26 Dec 2019 14:08

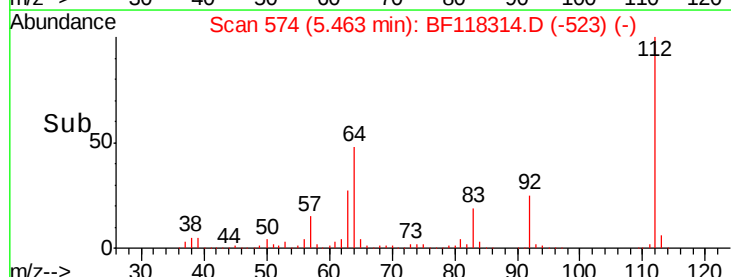
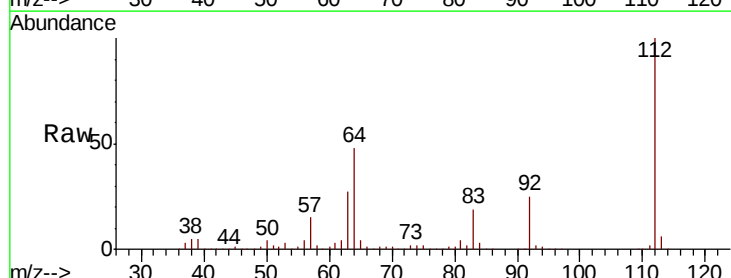
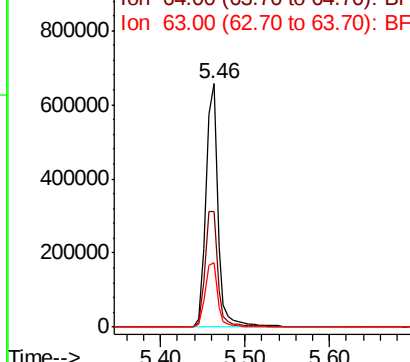
Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.7	39.7	59.5
63	26.7	21.7	32.5

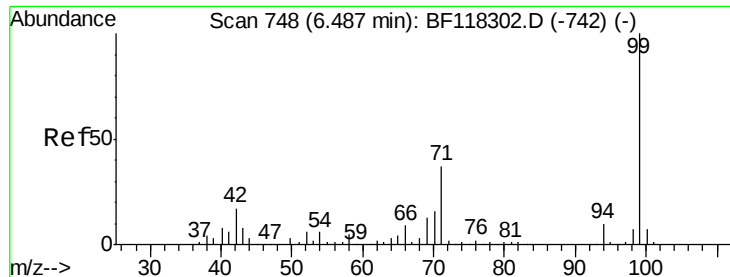
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 98.490 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118314.D

Acq: 26 Dec 2019 14:08

Instrument :

BNA_F

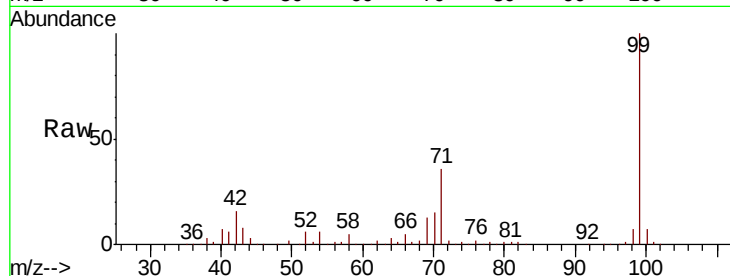
ClientSampled :

TP-2

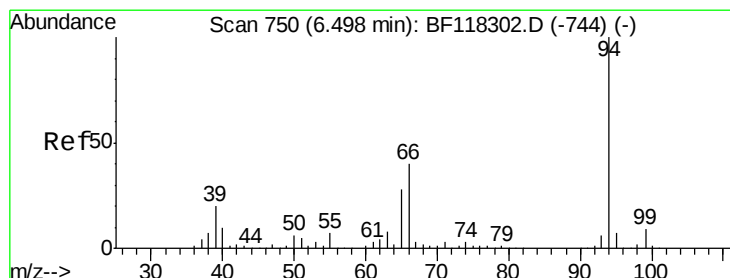
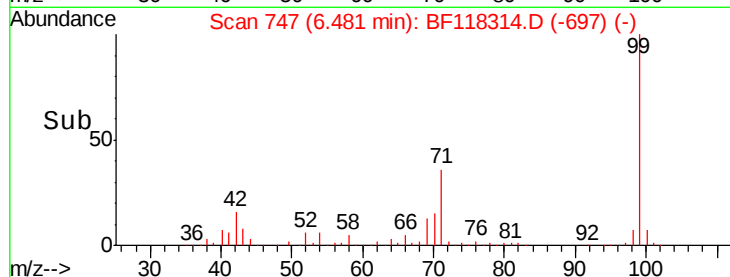
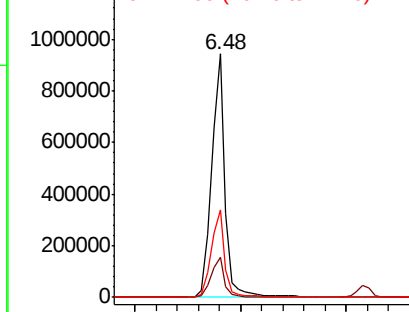
Tot Ion:	99	Resp:	839375
Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.5	20.3
71	35.7	29.4	44.2

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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



#10

Phenol

Concen: 3.402 ng

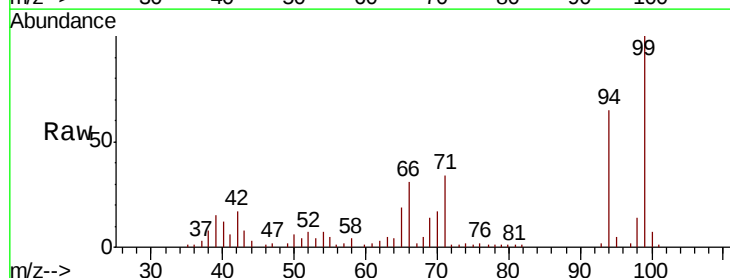
RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

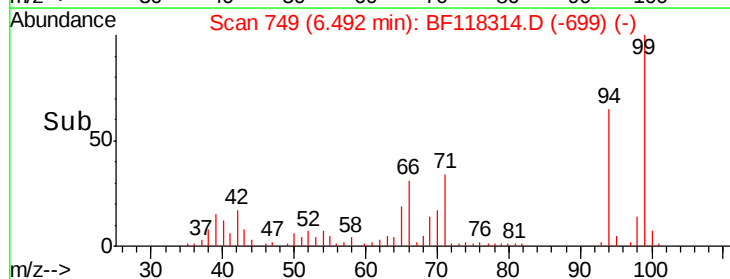
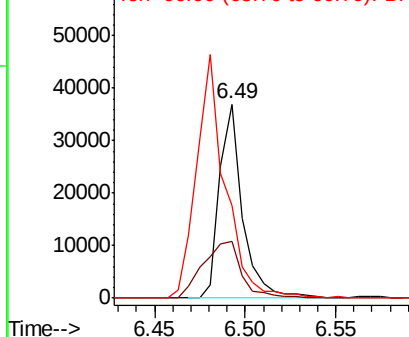
Lab File: BF118314.D

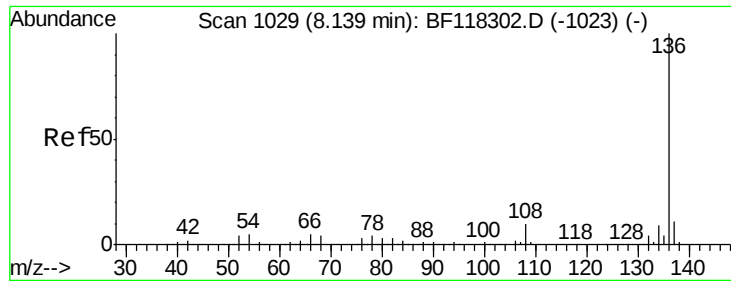
Acq: 26 Dec 2019 14:08

Tgt Ion:	94	Resp:	32591
Ion	Ratio	Lower	Upper
94	100		
65	29.1	7.8	47.8
66	47.6	20.4	60.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





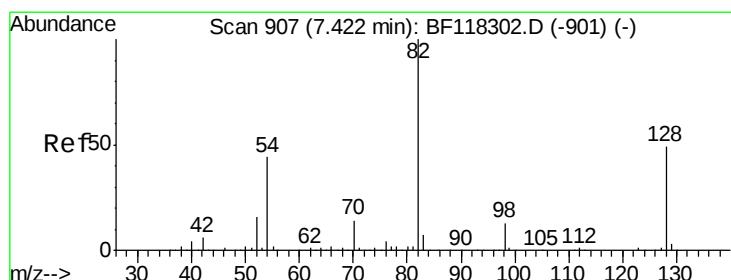
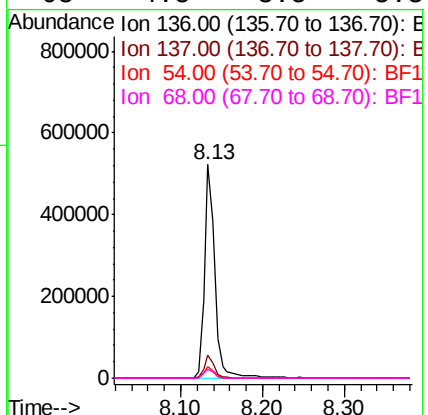
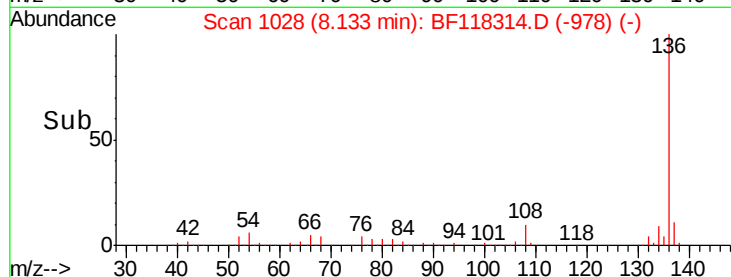
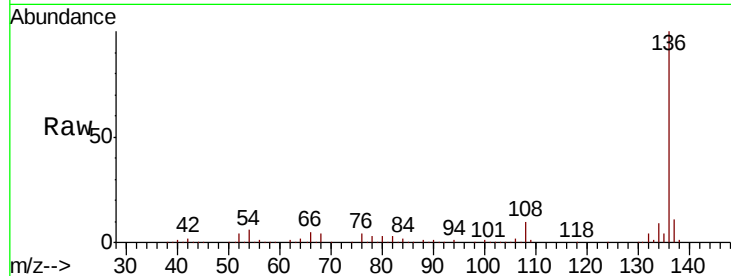
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	5.5	4.2	6.4	
68	4.5	3.5	5.3	

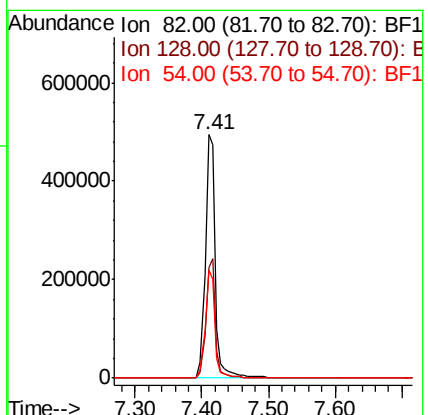
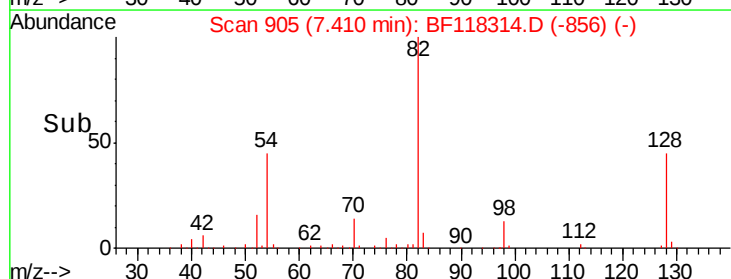
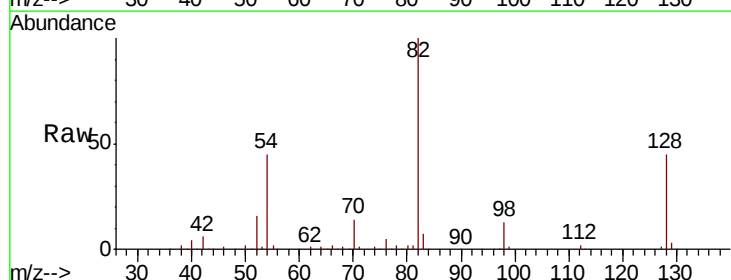
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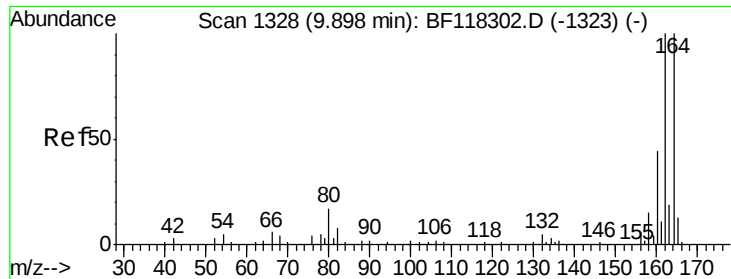
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#23
Nitrobenzene-d5
Concen: 61.626 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.3	39.6	59.4	
54	44.5	34.9	52.3	





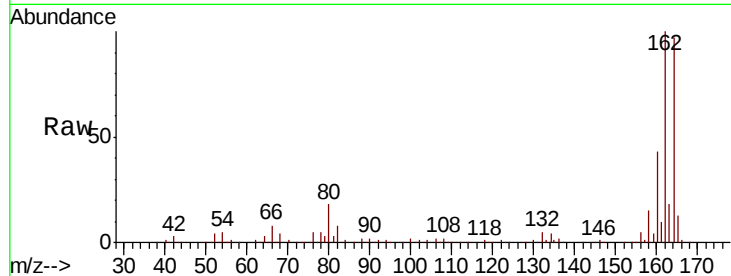
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Instrument :
BNA_F
ClientSampleId :
TP-2

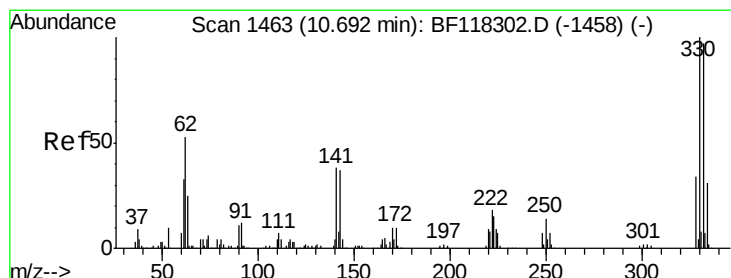
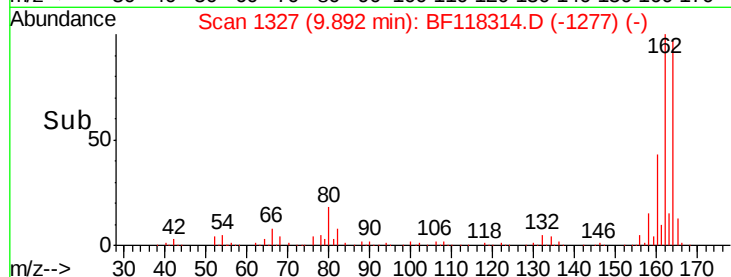
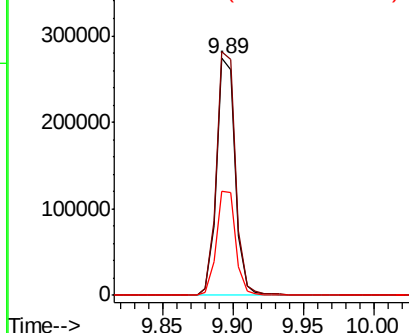
Tot Ion	Ratio	Resp	Lower	Upper
164	100	252361		
162	102.7	80.0	120.0	
160	44.1	34.8	52.2	

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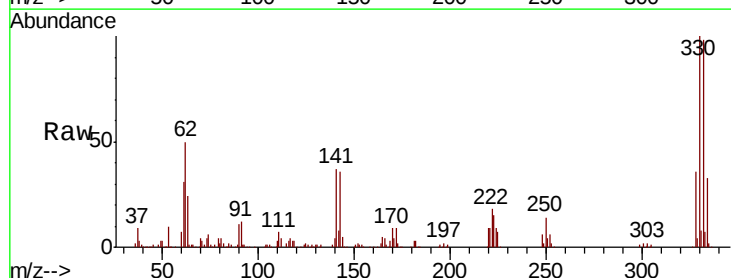


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

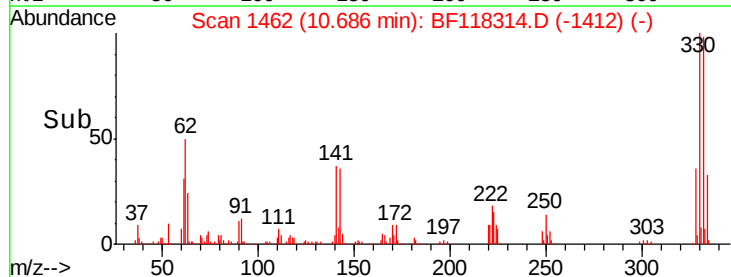
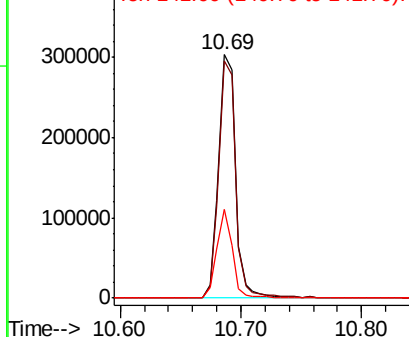


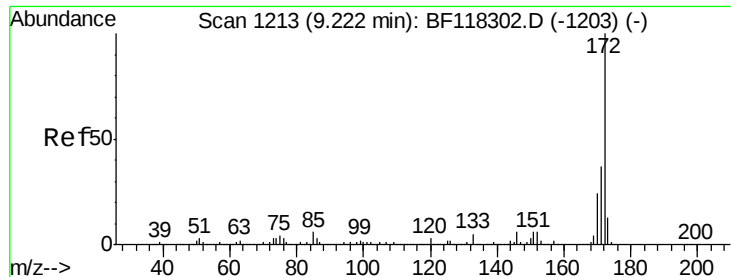
#42
2,4,6-Tribromophenol
Concen: 95.239 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	296810		
332	97.0	76.6	114.8	
141	33.1	26.0	39.0	



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





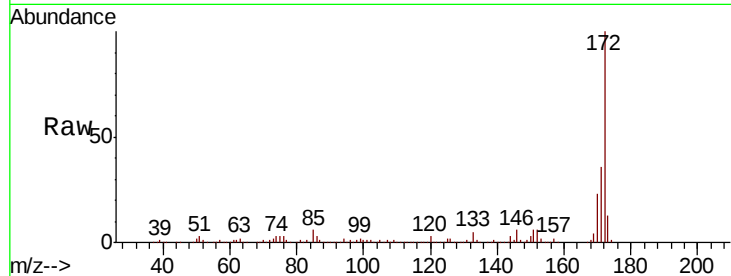
#45
2-Fluorobiphenyl
Concen: 64.776 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.3	43.9
170	23.3	19.2	28.8

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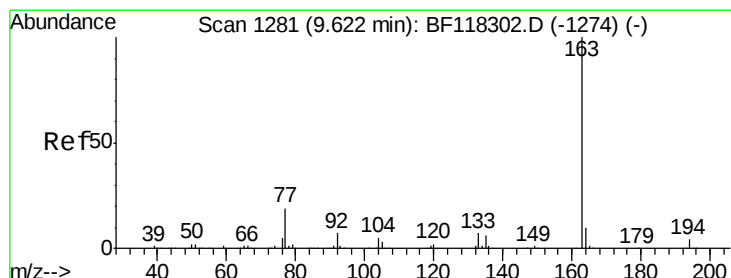
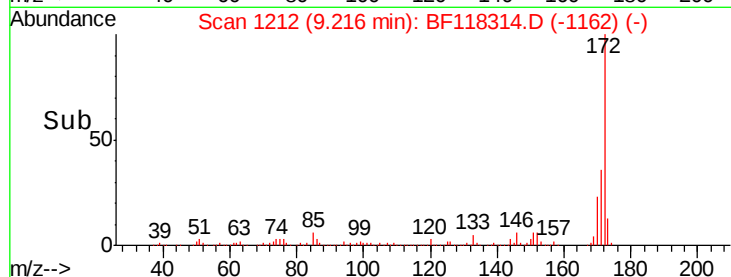
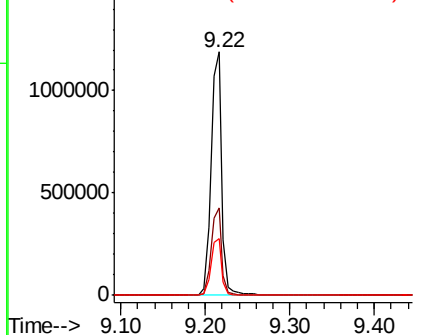


Abundance

Ion 172.00 (171.70 to 172.70): E

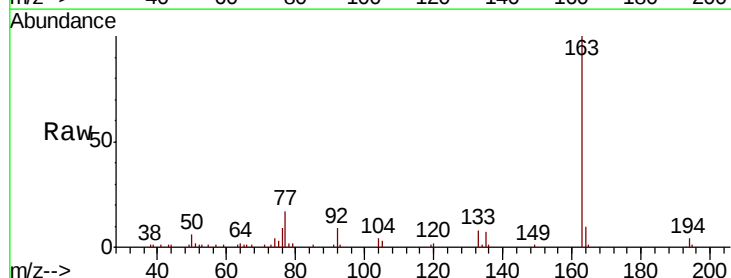
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 3.105 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.2	7.9	11.9

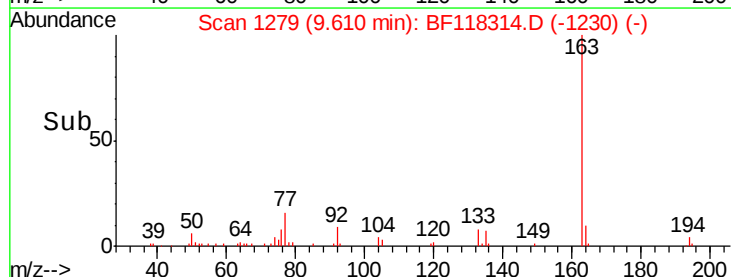
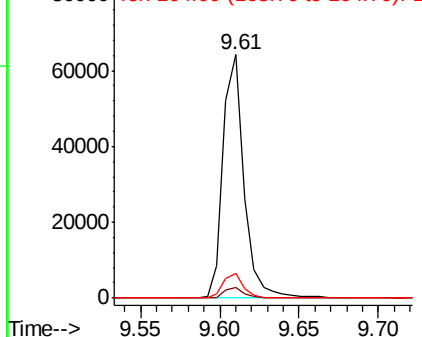


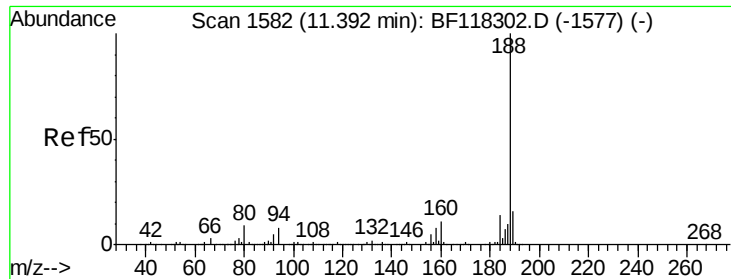
Abundance

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





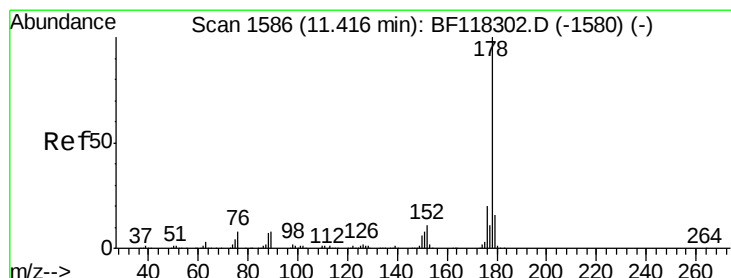
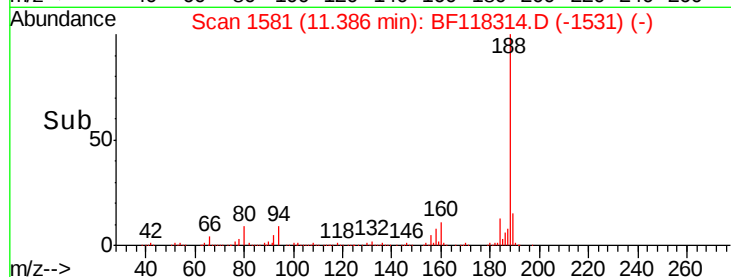
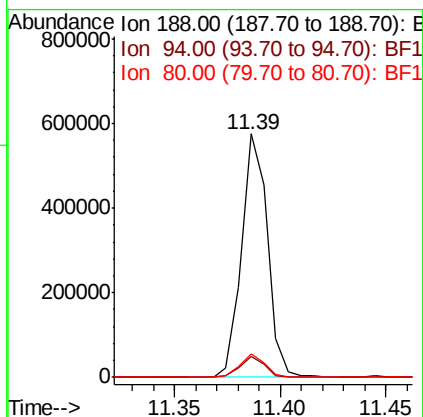
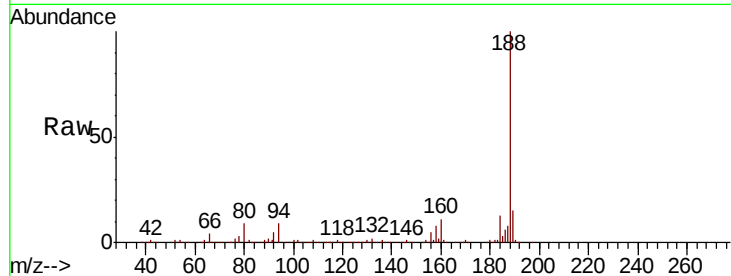
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	488765		
94	8.5		6.7	10.1
80	9.4		7.2	10.8

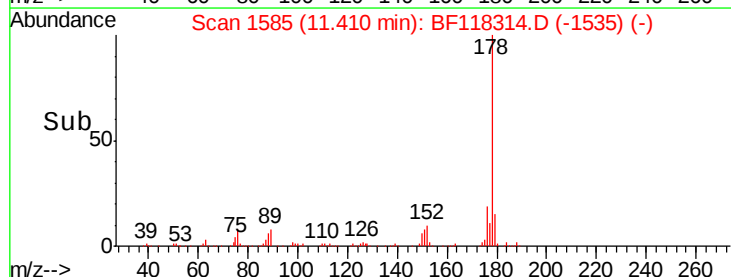
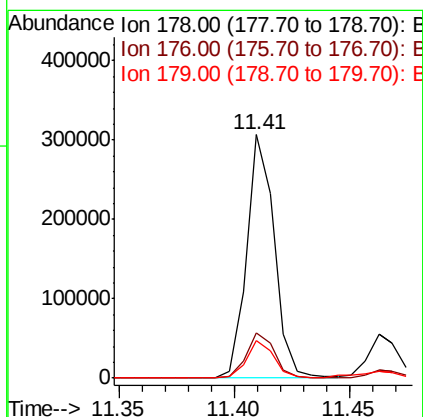
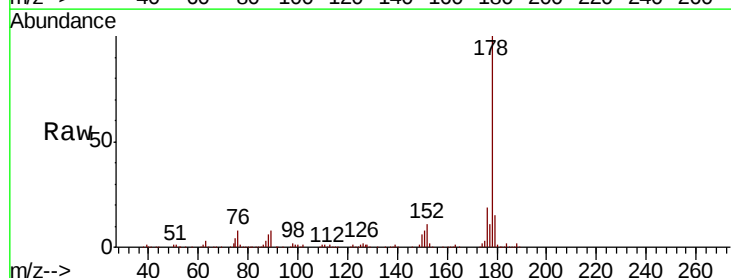
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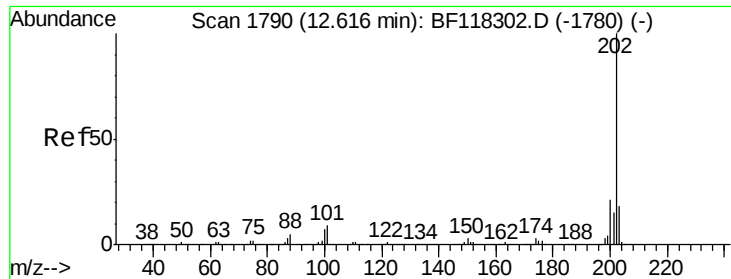
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#71
Phenanthrene
Concen: 9.672 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	257710		
176	18.5		15.6	23.4
179	15.3		12.6	19.0





#75

Fluoranthene

Concen: 19.881 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118314.D

Acq: 26 Dec 2019 14:08

Instrument :

BNA_F

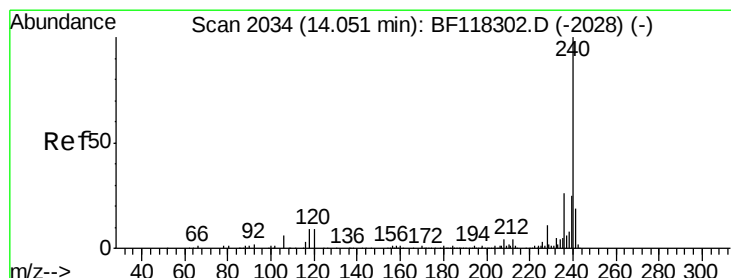
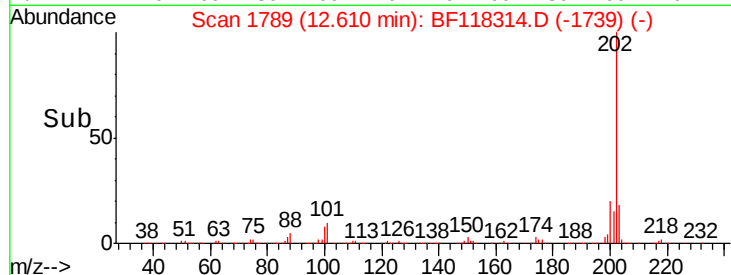
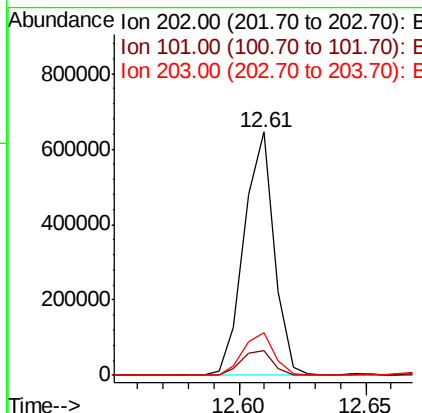
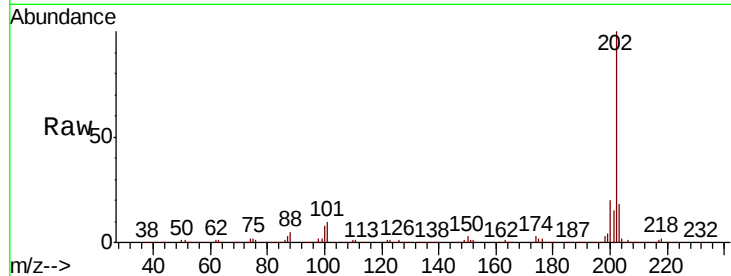
ClientSampleId :

TP-2

Tot Ion:	202	Resp:	534606
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	29.5
203	17.5	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

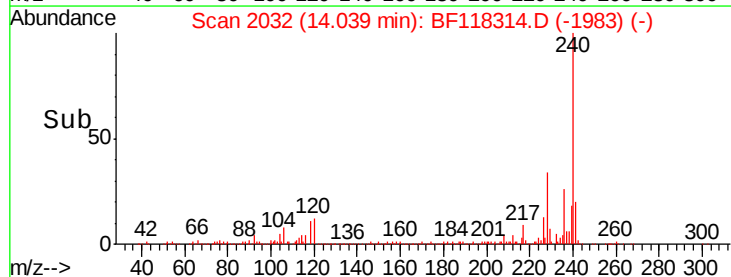
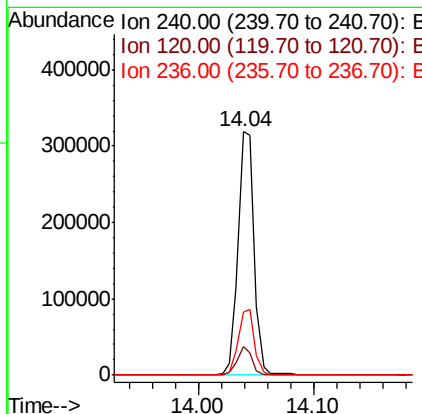
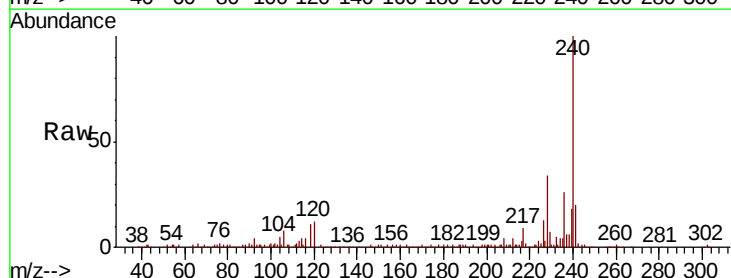
RT: 14.04 min Scan# 2032

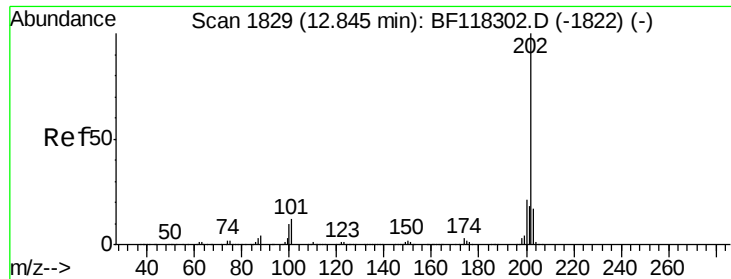
Delta R.T. -0.01 min

Lab File: BF118314.D

Acq: 26 Dec 2019 14:08

Tgt Ion:	240	Resp:	309815
Ion Ratio	Lower	Upper	
240	100		
120	11.7	7.1	10.7#
236	26.2	21.0	31.6





#78

Pvrene

Concen: 18.500 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF118314.D

Acq: 26 Dec 2019 14:08

Instrument :

BNA_F

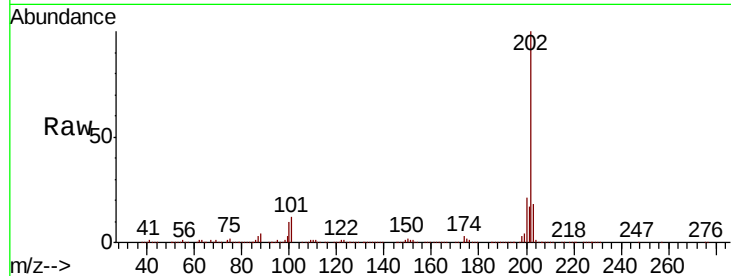
ClientSampleId :

TP-2

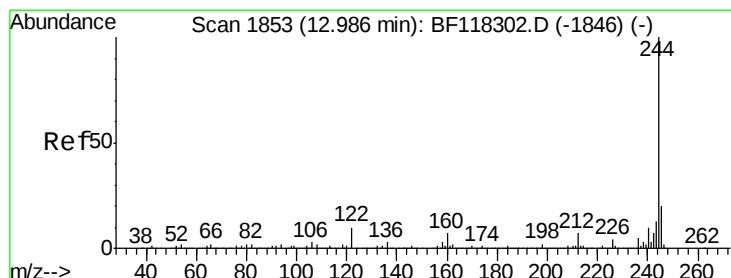
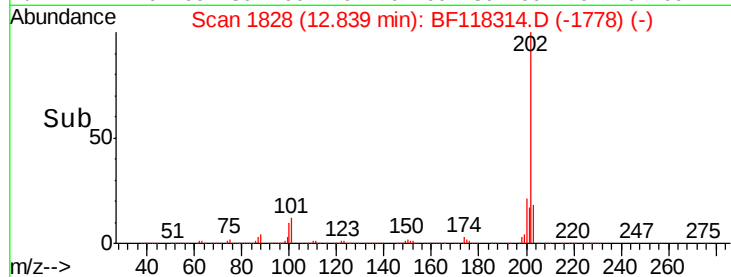
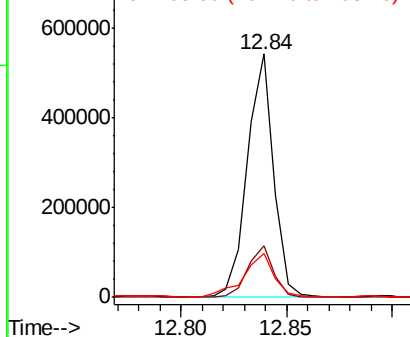
Tot Ion:	202	Resp:	468047
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.8	25.2
203	18.0	13.9	20.9

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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: 69.111 ng

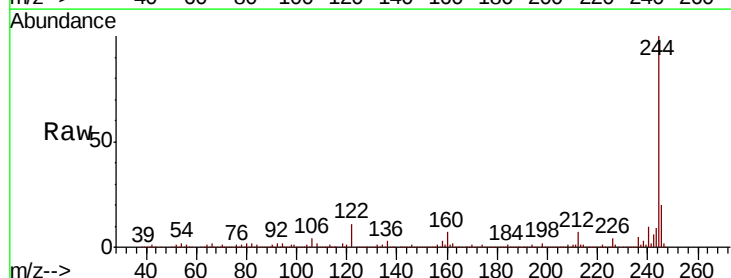
RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

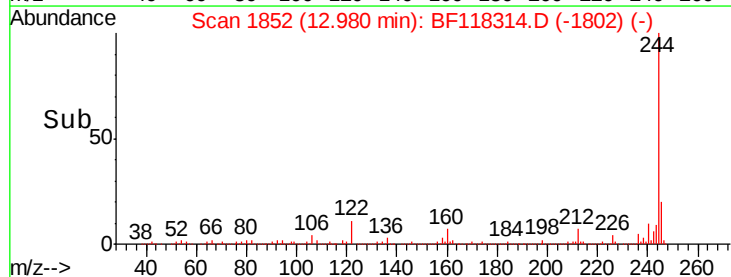
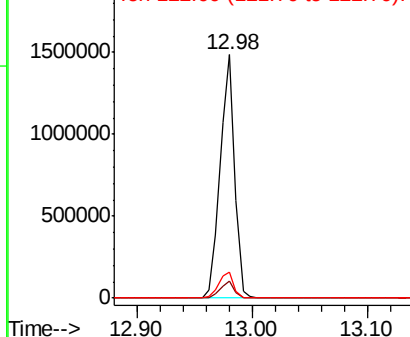
Lab File: BF118314.D

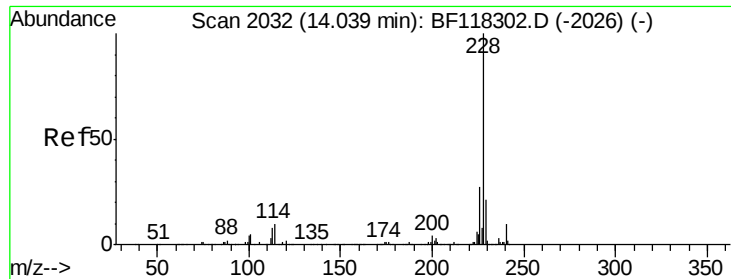
Acq: 26 Dec 2019 14:08

Tgt Ion:	244	Resp:	1290615
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.2
122	10.8	7.8	11.8



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





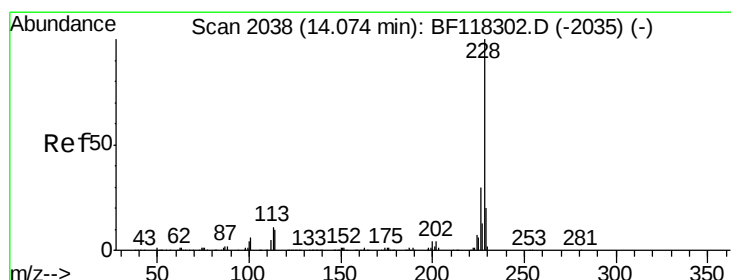
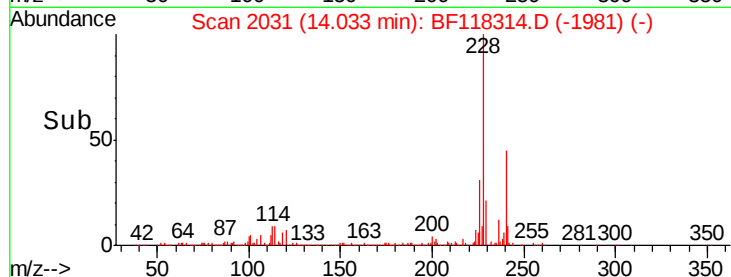
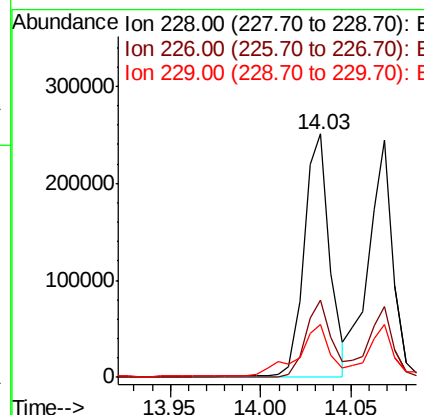
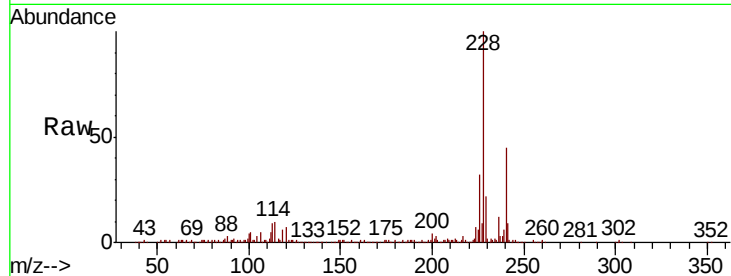
#81
Benzo(a)anthracene
Concen: 11.578 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.0	33.0
229	21.8	16.6	24.8

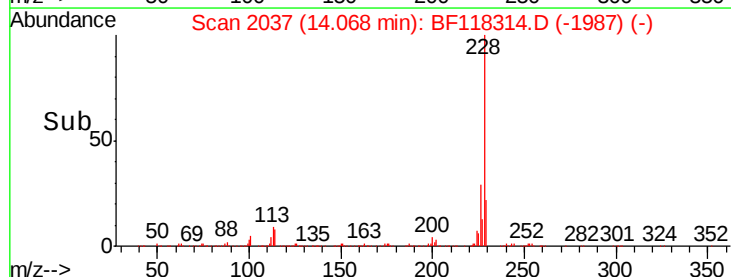
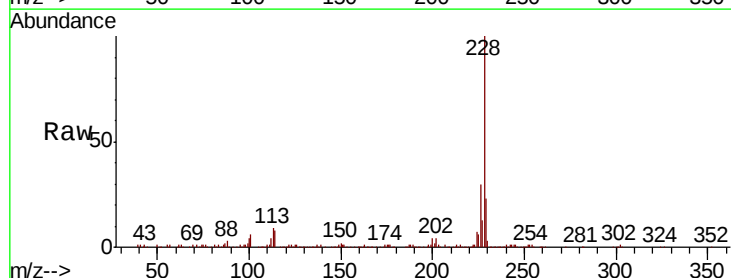
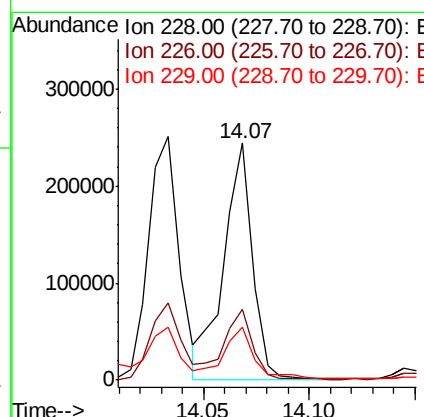
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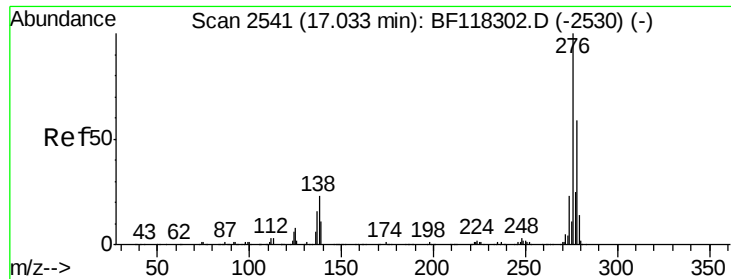
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#83
Chrysene
Concen: 11.089 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	22.6	16.1	24.1





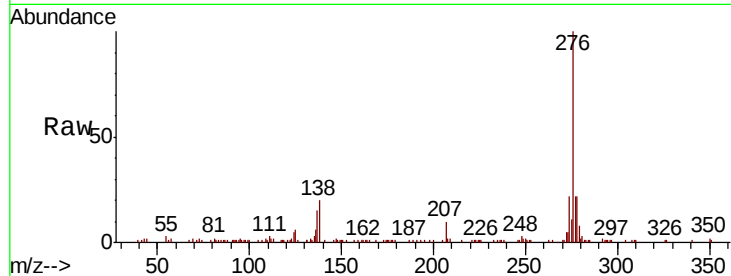
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.645 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	19.5	29.3
277	23.5	20.6	30.8

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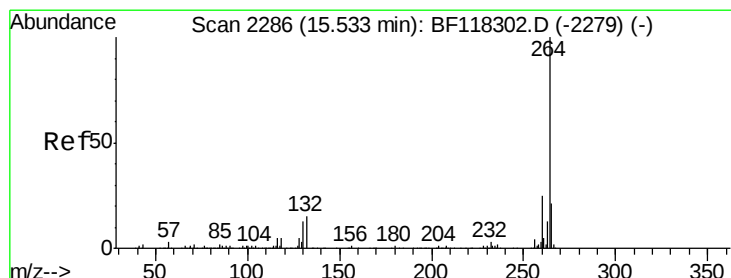
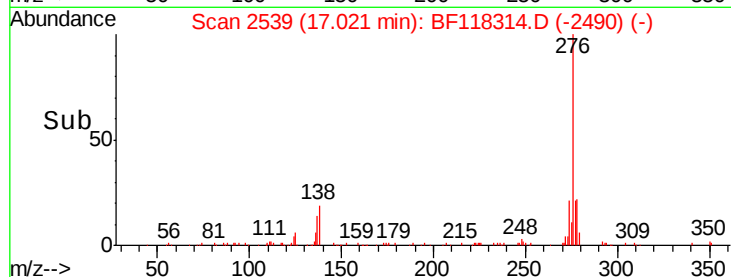
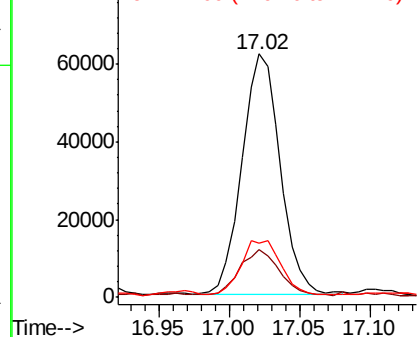


Abundance

Ion 276.00 (275.70 to 276.70): E

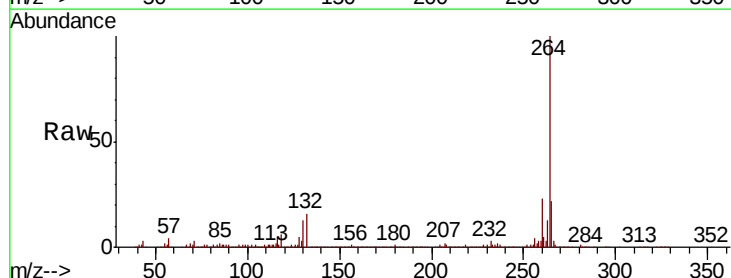
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.01 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.8	29.6
265	22.1	17.0	25.4

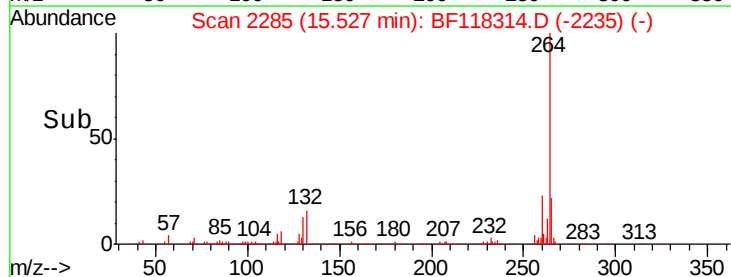
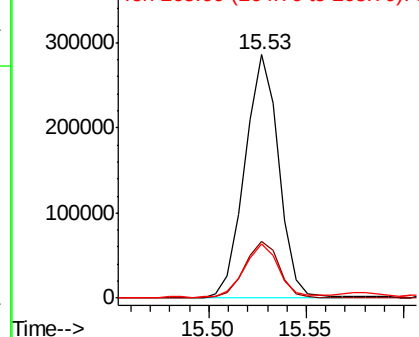


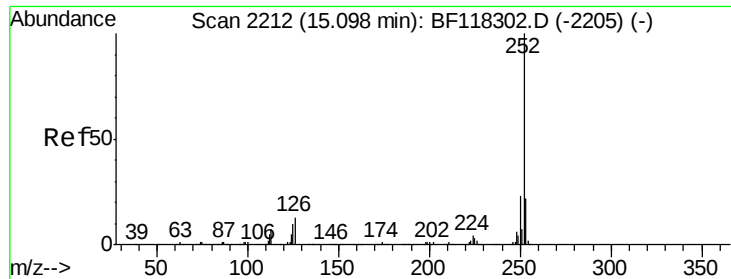
Abundance

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





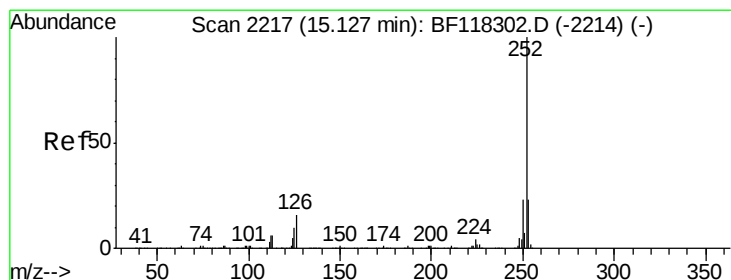
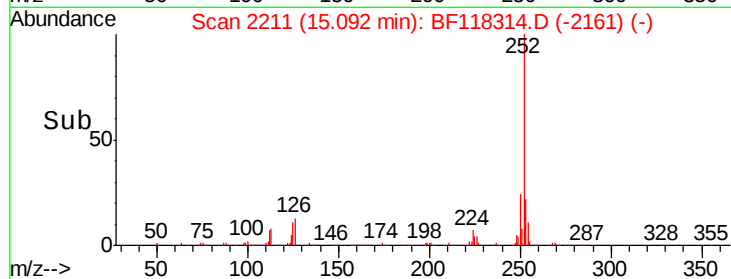
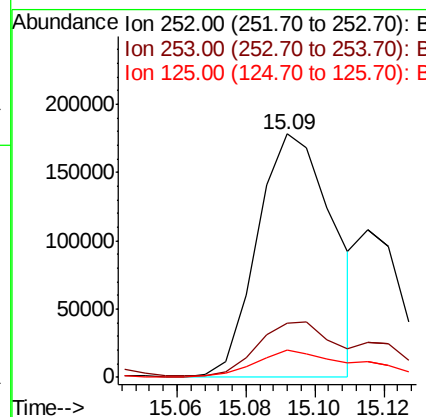
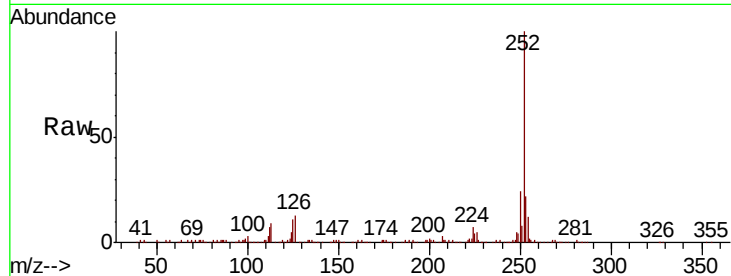
#88
Benzo(b)fluoranthene
Concen: 12.021 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	11.1	7.7	11.5

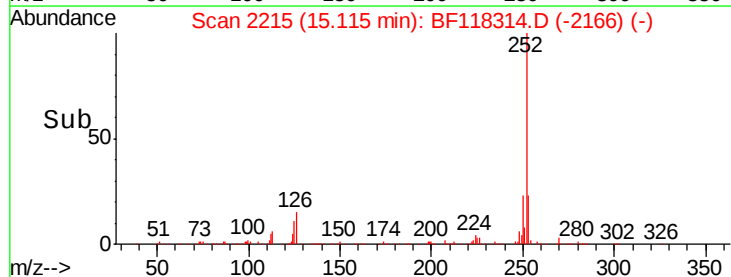
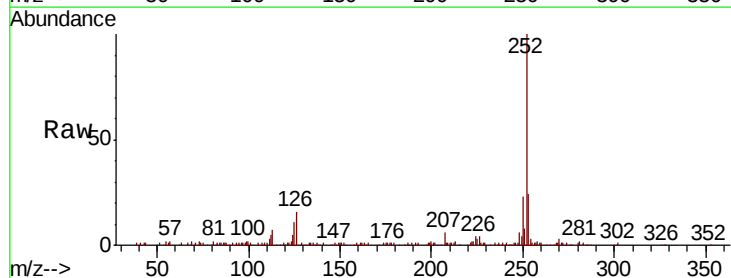
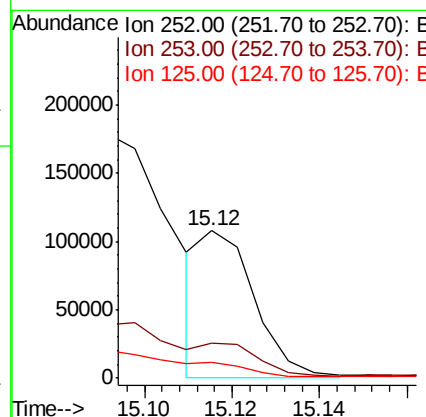
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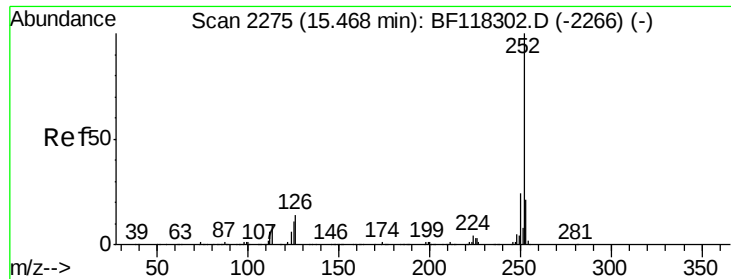
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#89
Benzo(k)fluoranthene
Concen: 4.219 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	11.2	8.0	12.0





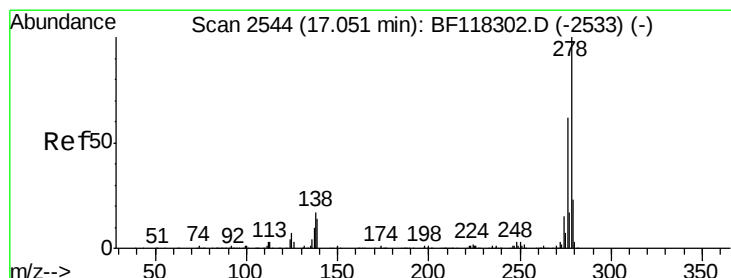
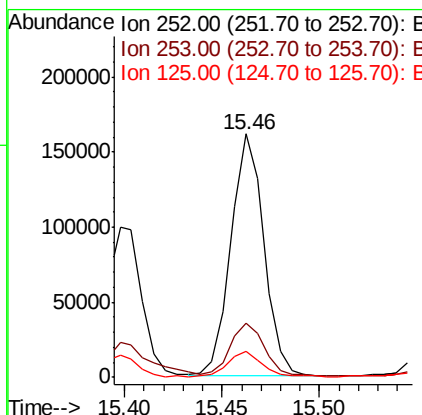
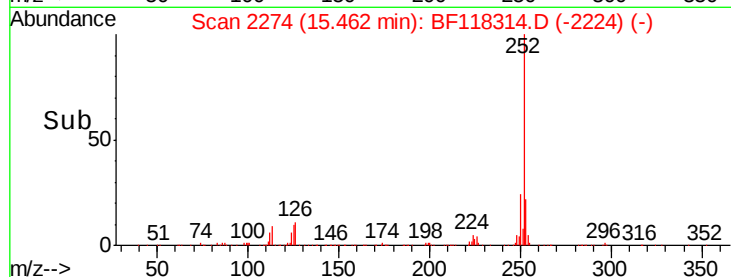
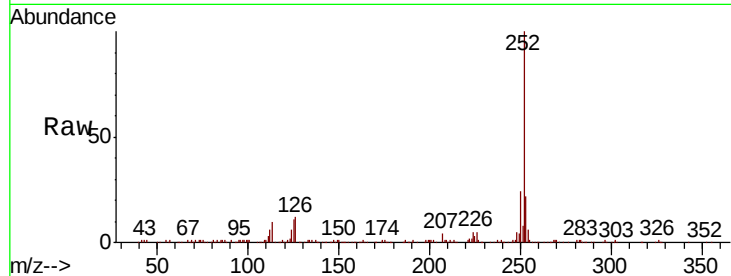
#90
Benzo(a)pyrene
Concen: 9.446 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	10.6	9.0	13.4

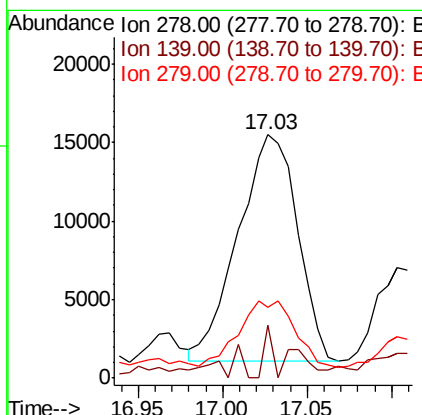
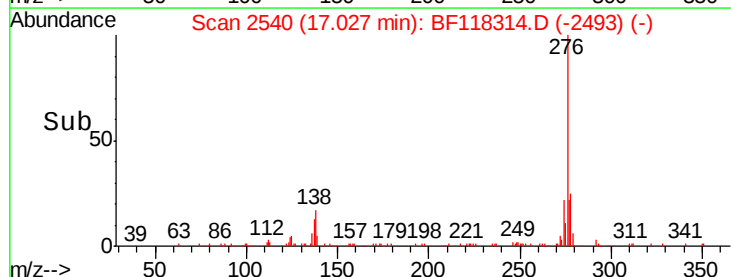
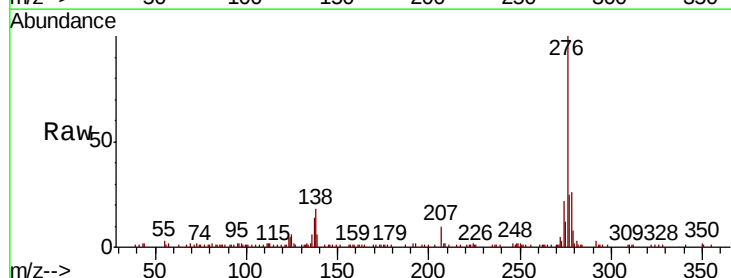
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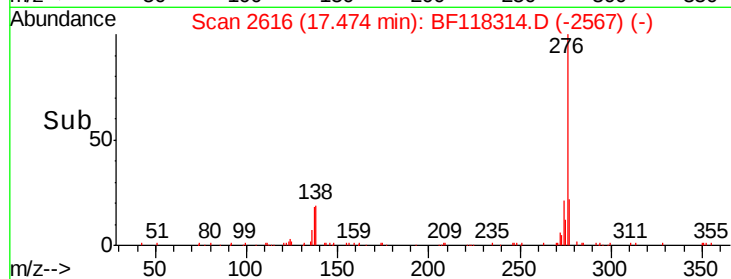
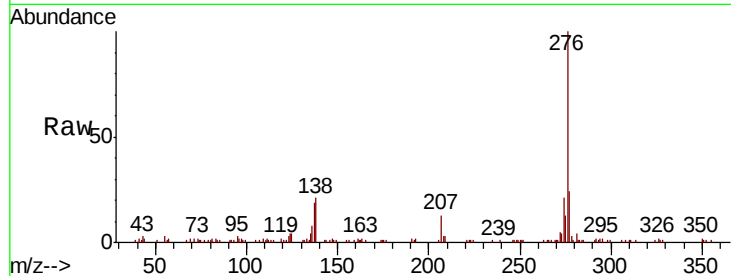
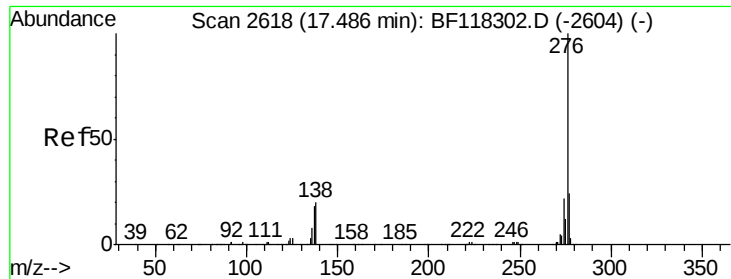
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#91
Dibenzo(a,h)anthracene
Concen: 2.006 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.02 min
Lab File: BF118314.D
Acq: 26 Dec 2019 14:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.8	11.5	17.3#
279	29.3	18.3	27.5#





#92
 Benzo(a,h,i)perylene
 Concen: 5.830 ng
 RT: 17.47 min Scan# 2616
 Delta R.T. -0.01 min
 Lab File: BF118314.D
 Acq: 26 Dec 2019 14:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	21.2	16.1	24.1

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