

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
 Data File : BF118141.D
 Acq On : 7 Dec 2019 20:49
 Operator : JU
 Sample : K6147-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC011

Manual Integrations
 APPROVED

mohammad
 12/10/2019 11:49:51 AM

Quant Time: Dec 09 07:31:52 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	135170	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	537847	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	276157	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	451773	20.00	ng	0.00
76) Chrysene-d12	14.06	240	271632	20.00	ng	0.00
87) Perylene-d12	15.55	264	273897	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	727610	94.28	ng	0.00
7) Phenol-d6	6.50	99	942193	100.94	ng	0.00
23) Nitrobenzene-d5	7.43	82	558429	58.41	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	279438	83.29	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1130274	62.28	ng	0.00
79) Terphenyl-d14	13.00	244	953030	60.33	ng	0.00
Target Compounds						
10) Phenol	6.51	94	53714	5.046	ng	93
50) Dimethylphthalate	9.62	163	127541	6.253	ng	100
52) Acenaphthene	9.95	154	41526	2.633	ng	98
71) Phenanthrene	11.43	178	423008	17.614	ng	99
72) Anthracene	11.48	178	210858	8.801	ng	99
75) Fluoranthene	12.63	202	1101337	44.854	ng	98
78) Pyrene	12.86	202	911116	42.564	ng	99
81) Benzo(a)anthracene	14.05	228	475071	25.293	ng	97
83) Chrysene	14.09	228	460956	25.692	ng	98
86) Indeno(1,2,3-cd)pyrene	17.05	276	182714	12.103	ng	95
88) Benzo(b)fluoranthene	15.12	252	582898m	32.178	ng	
89) Benzo(k)fluoranthene	15.14	252	149005m	8.562	ng	
90) Benzo(a)pyrene	15.49	252	342200	21.389	ng	98
91) Dibenzo(a,h)anthracene	17.06	278	46697m	3.403	ng	
92) Benzo(a,h,i)perylene	17.51	276	157248	11.925	ng	96

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

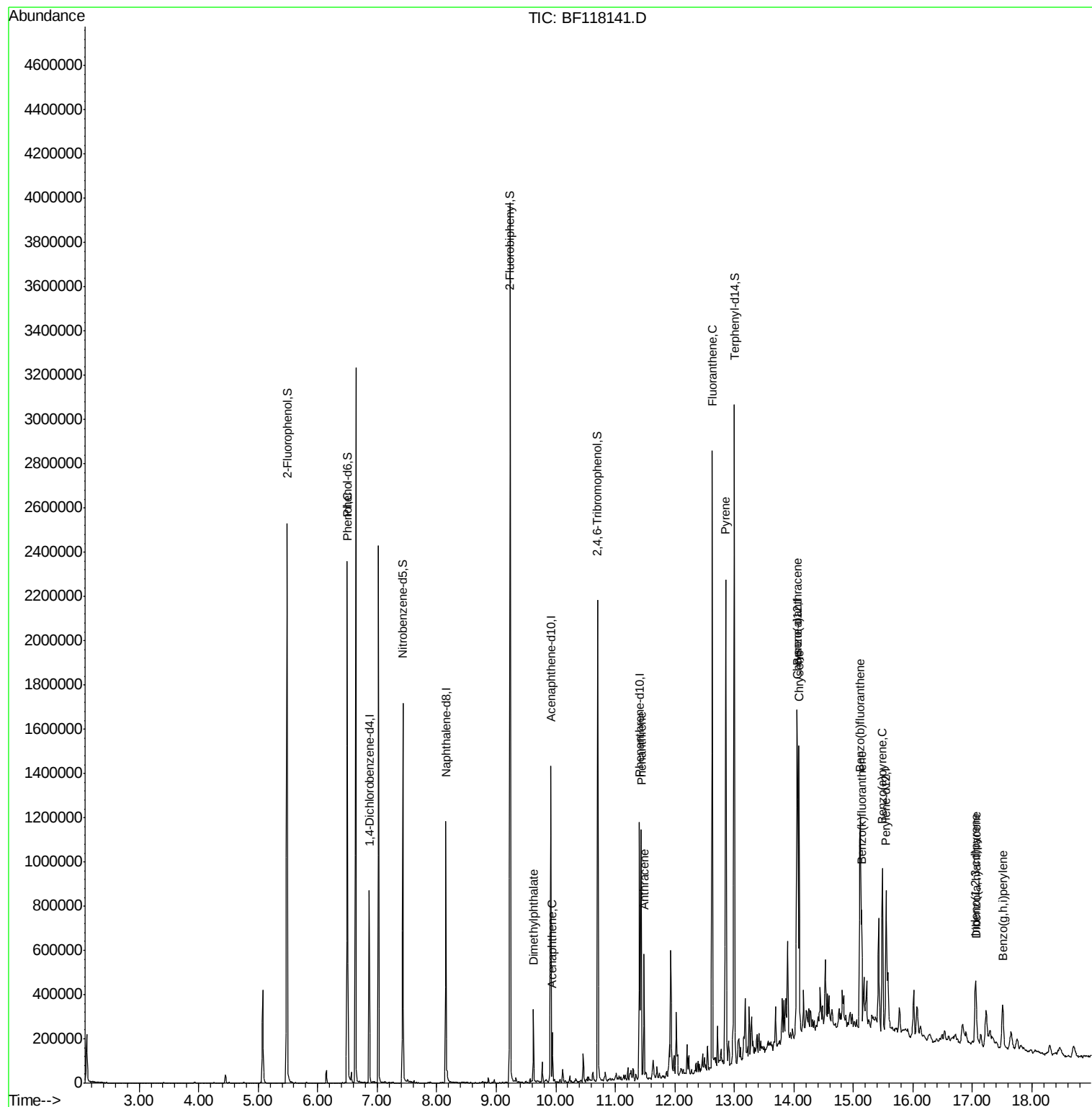
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118141.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

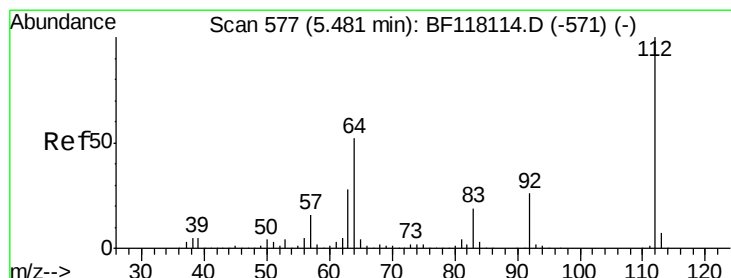
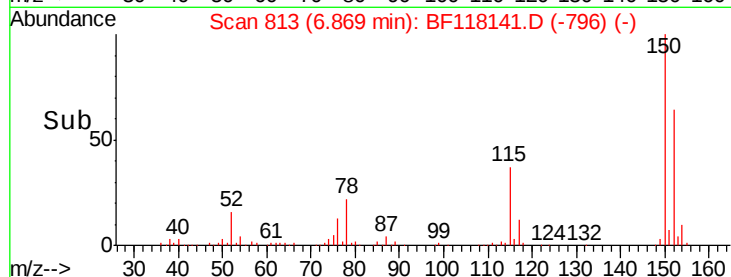
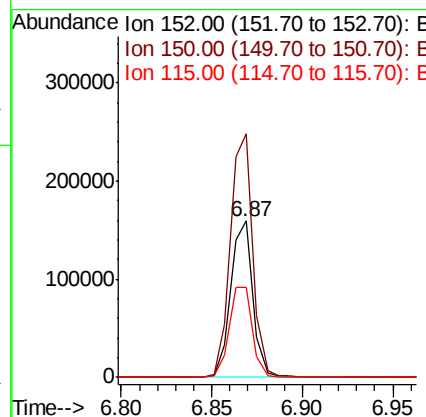
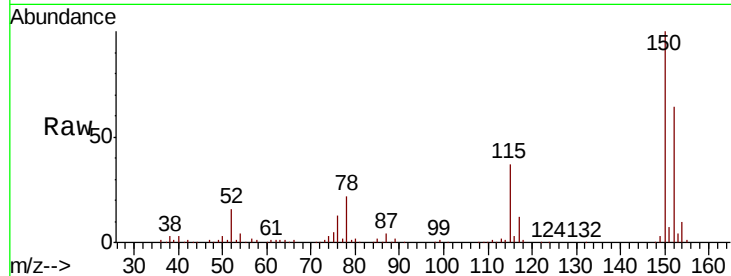
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Instrument :
BNA_F
ClientSampleId :
P001-WC011

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	128.3	192.5
115	57.3	51.1	76.7

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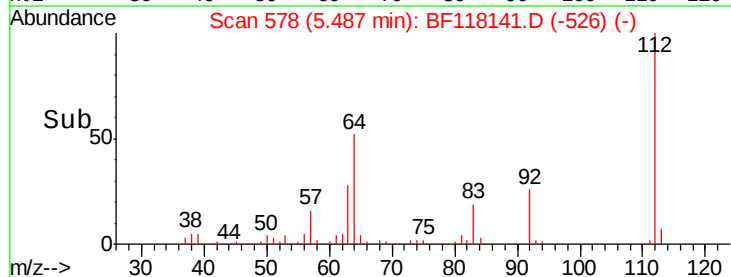
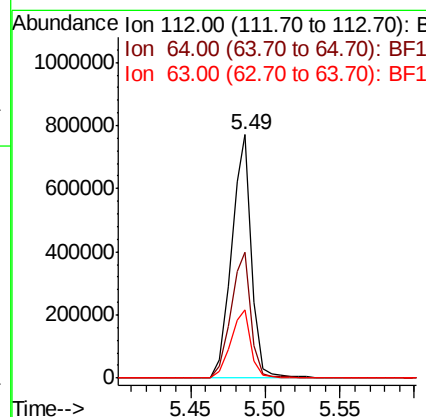
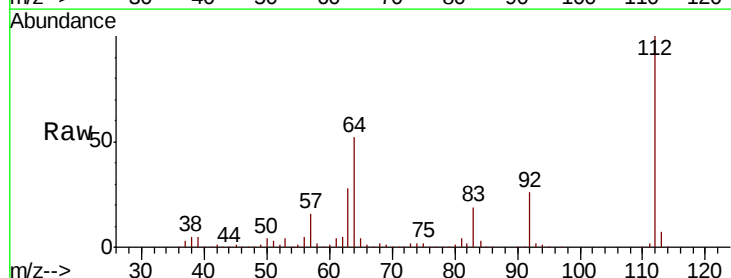
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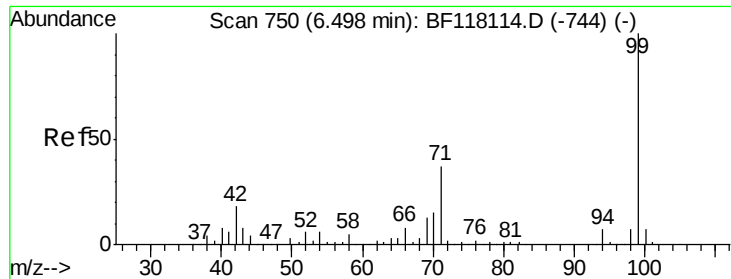


#5

2-Fluorophenol
Concen: 94.280 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	41.3	61.9
63	28.3	22.4	33.6





#7

Phenol-d6

Concen: 100.936 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118141.D

Acq: 7 Dec 2019 20:49

Instrument :

BNA_F

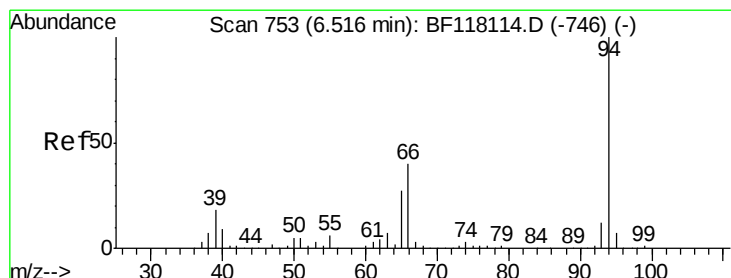
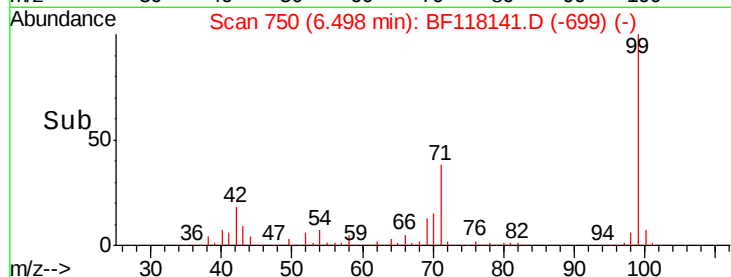
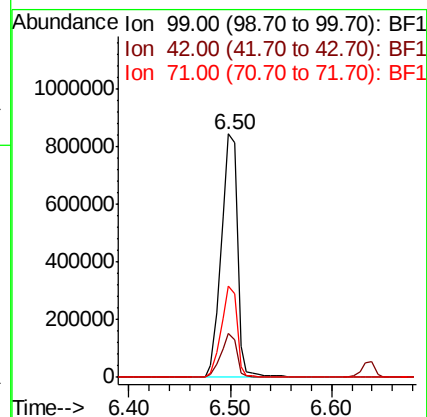
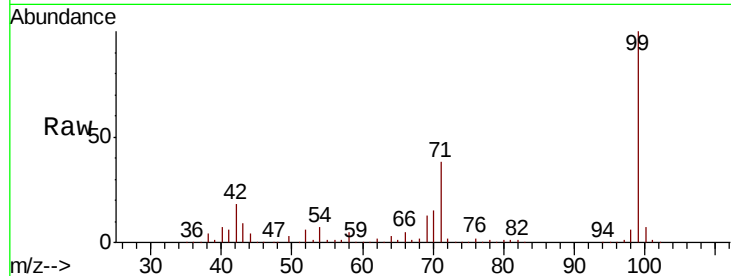
ClientSampled :

P001-WC011

Tot Ion:	99	Resp:	942193
Ion Ratio	Lower	Upper	
99	100		
42	18.0	14.1	21.1
71	37.6	29.7	44.5

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#10

Phenol

Concen: 5.046 ng

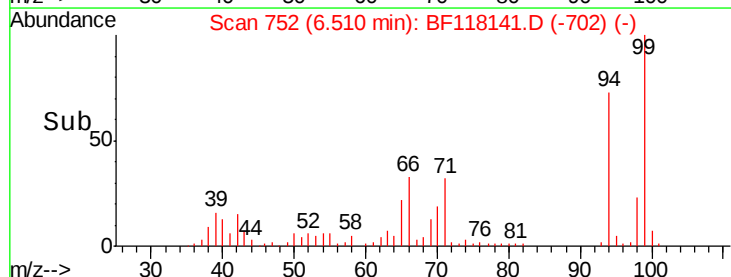
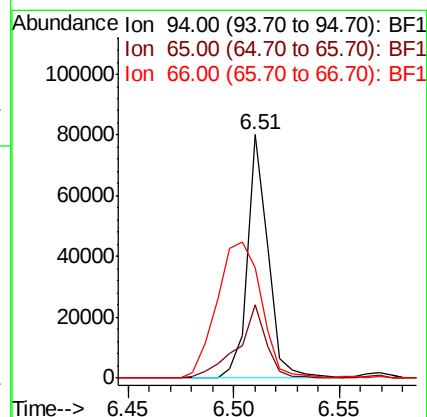
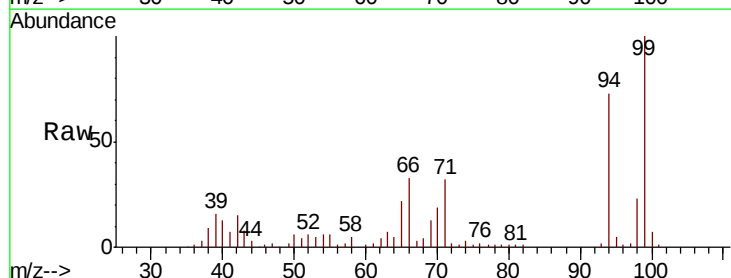
RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118141.D

Acq: 7 Dec 2019 20:49

Tgt Ion:	94	Resp:	53714
Ion Ratio	Lower	Upper	
94	100		
65	30.0	7.3	47.3
66	45.1	20.2	60.2





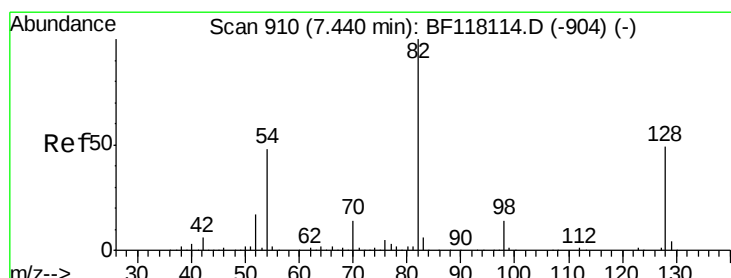
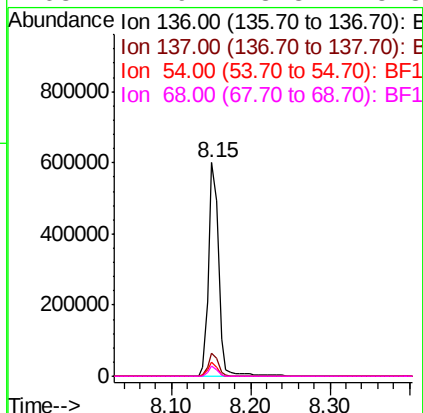
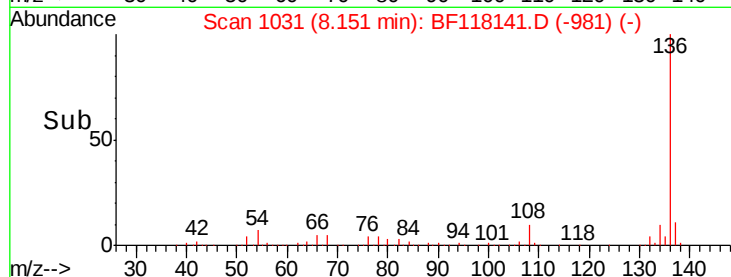
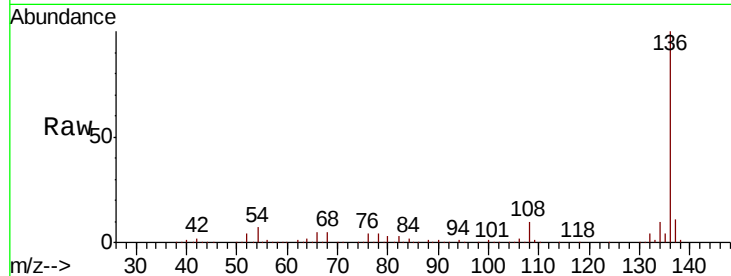
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Instrument :
BNA_F
ClientSampleId :
P001-WC011

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.1	9.0	13.6		
54	6.6	5.0	7.6		
68	4.9	3.8	5.8		

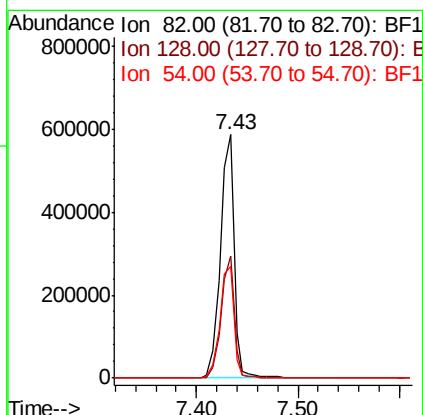
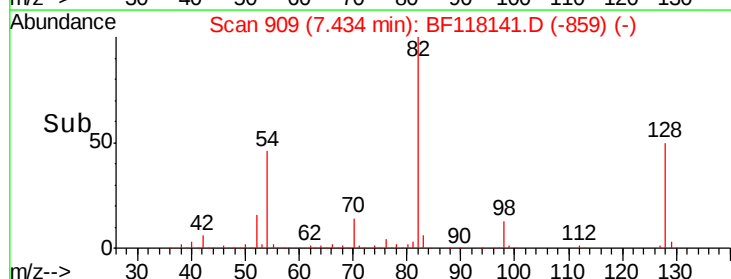
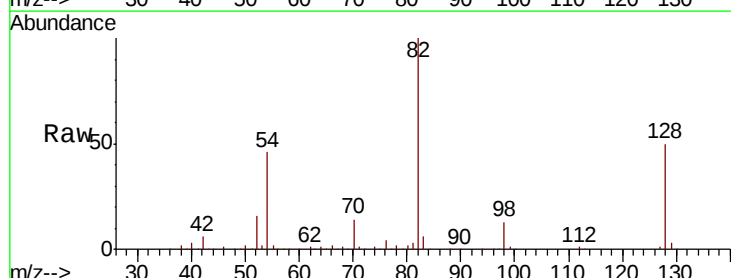
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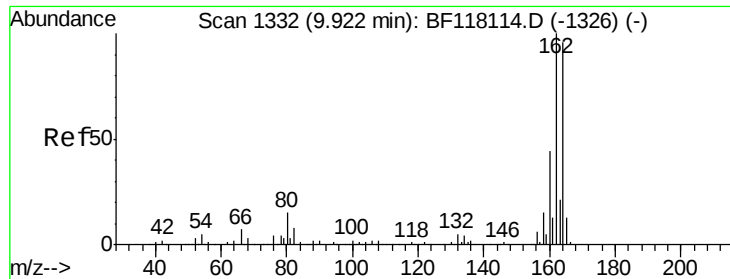
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#23
Nitrobenzene-d5
Concen: 58.411 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	50.0	39.1	58.7		
54	45.7	38.2	57.2		





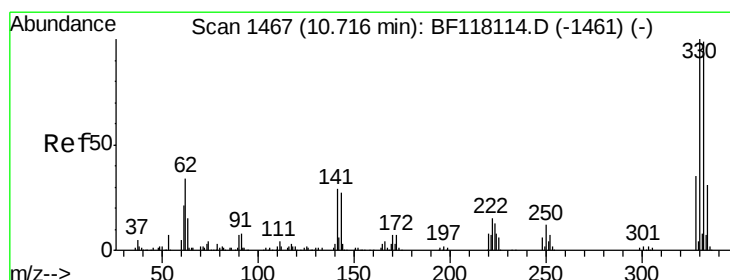
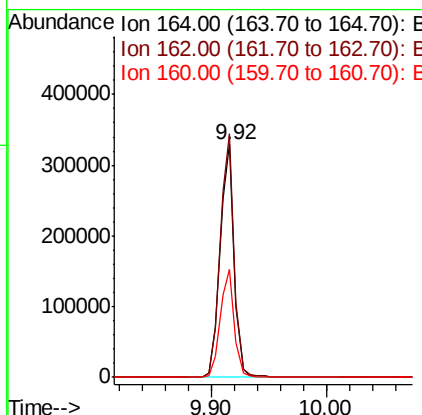
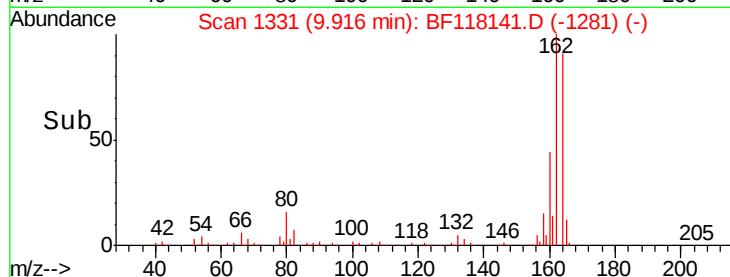
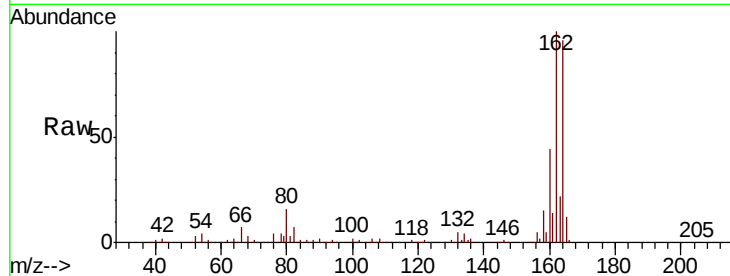
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Instrument :
BNA_F
ClientSampleId :
P001-WC011

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.6	83.4	125.0	
160	46.2	36.6	54.8	

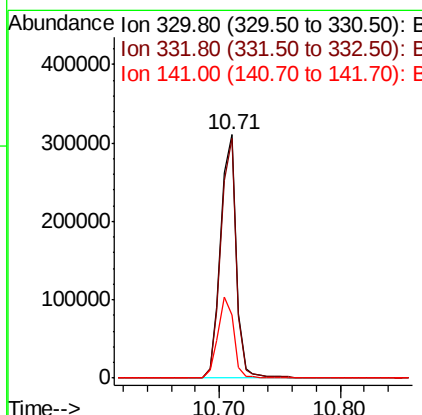
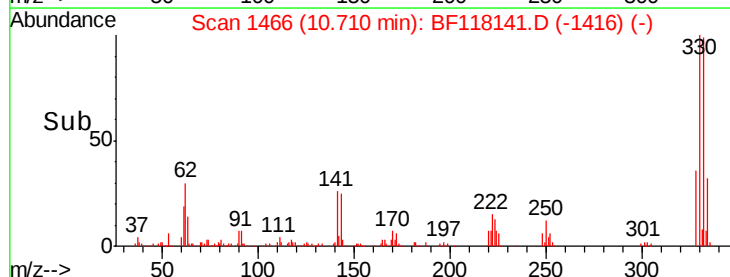
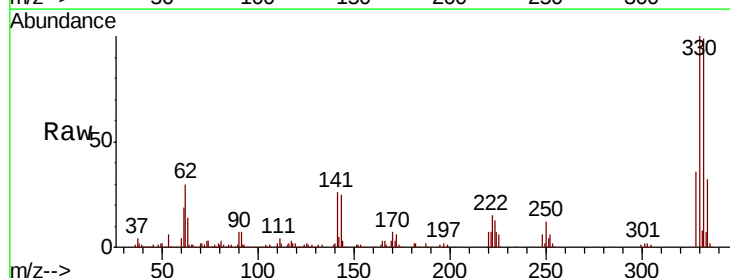
Manual Integrations
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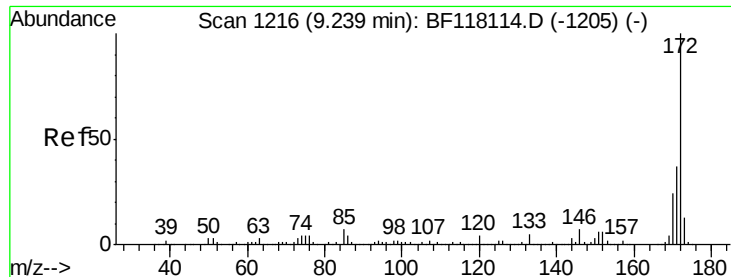
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#42
2,4,6-Tribromophenol
Concen: 83.295 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	78.1	117.1	
141	33.6	26.9	40.3	





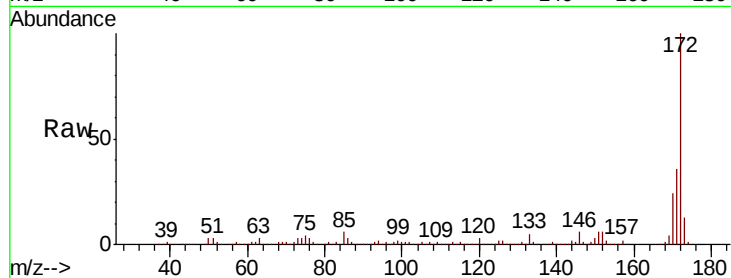
#45
2-Fluorobiphenyl
Concen: 62.279 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Instrument :
BNA_F
ClientSampleId :
P001-WC011

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	23.6	19.4	29.2

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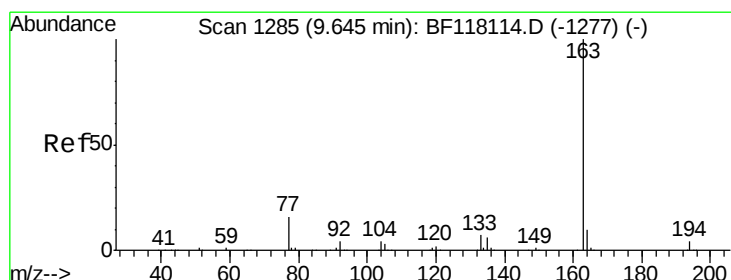
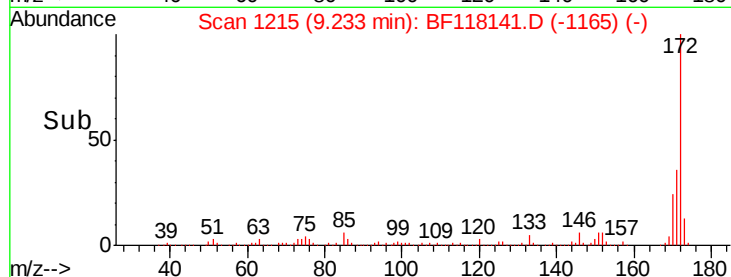
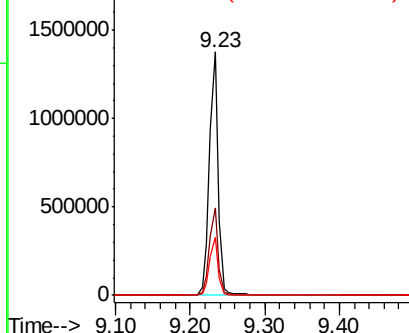


Abundance

Ion 172.00 (171.70 to 172.70): E

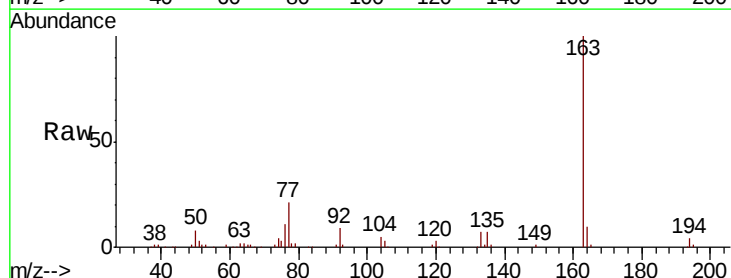
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 6.253 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.1	4.7
164	9.7	7.7	11.5

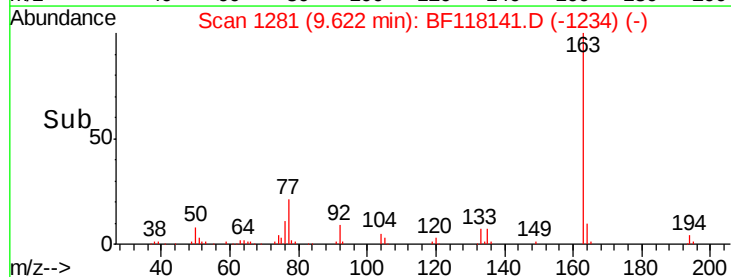
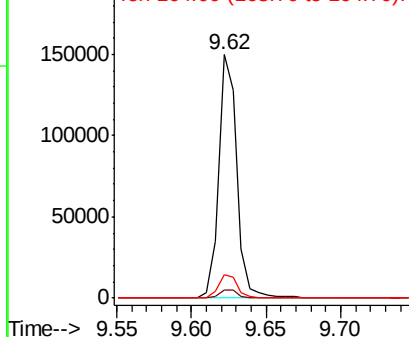


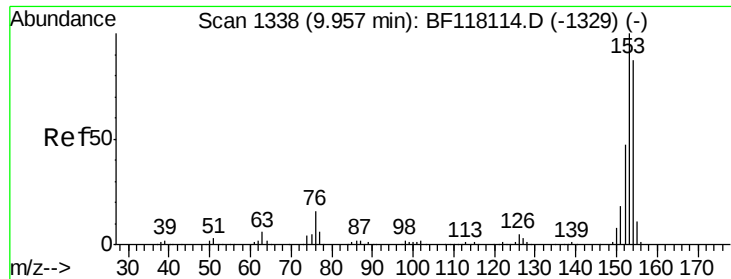
Abundance

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





#52

Acenaphthene

Concen: 2.633 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF118141.D

Acq: 7 Dec 2019 20:49

Instrument :

BNA_F

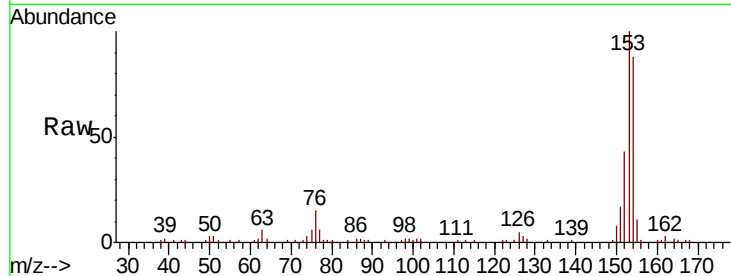
ClientSampleId :

P001-WC011

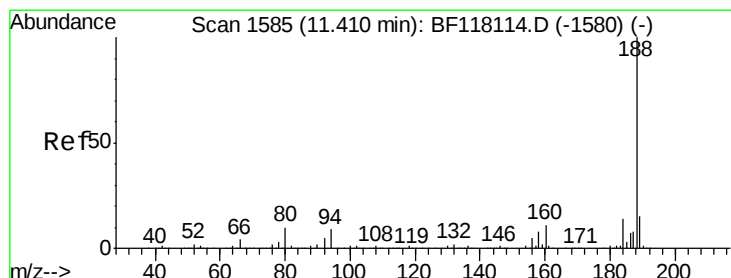
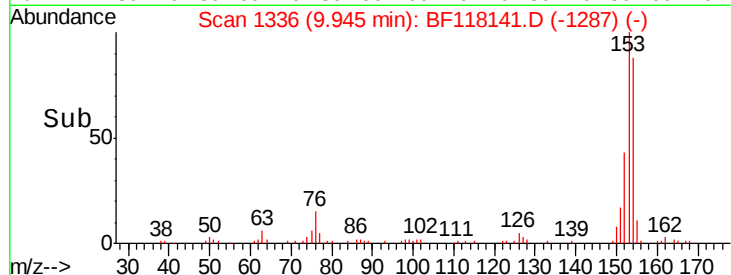
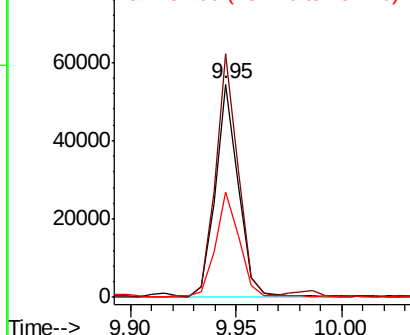
Tot Ion:	154	Resp:	41526
Ion Ratio	Lower	Upper	
154	100		
153	114.1	91.8	137.6
152	49.6	43.3	64.9

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

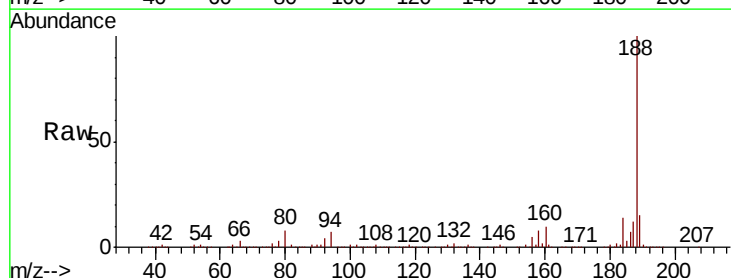
RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

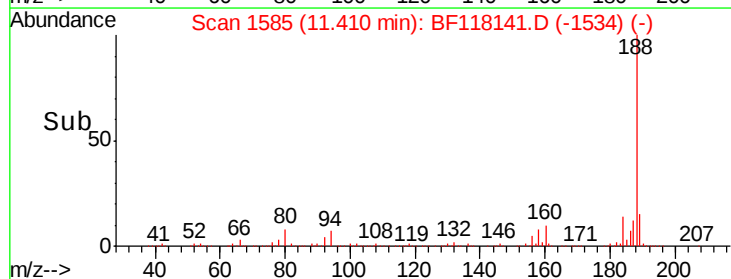
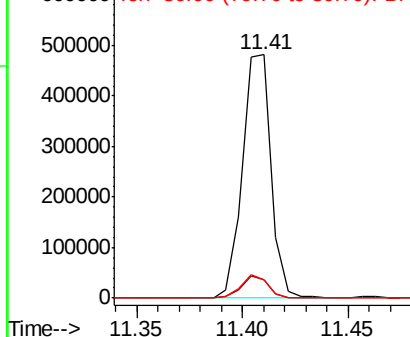
Lab File: BF118141.D

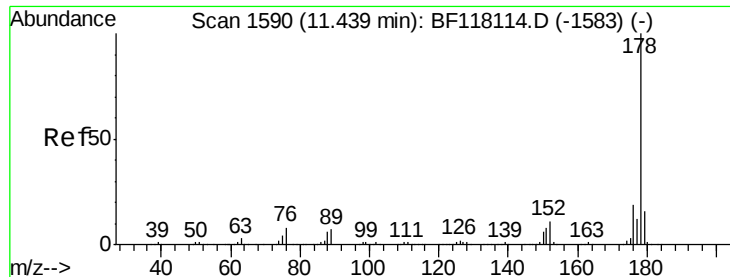
Acq: 7 Dec 2019 20:49

Tgt Ion:	188	Resp:	451773
Ion Ratio	Lower	Upper	
188	100		
94	7.3	7.1	10.7
80	7.6	7.9	11.9#



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





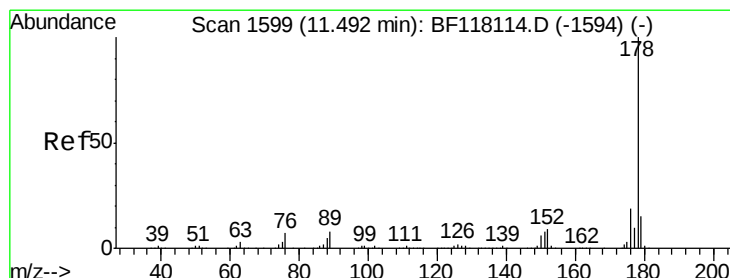
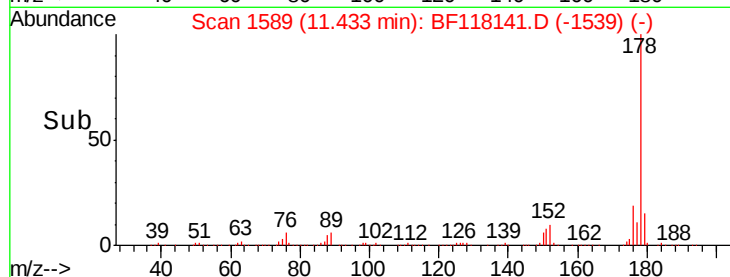
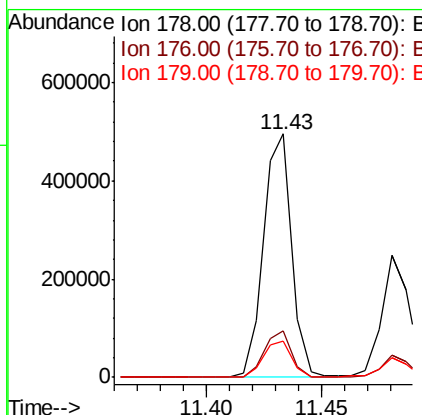
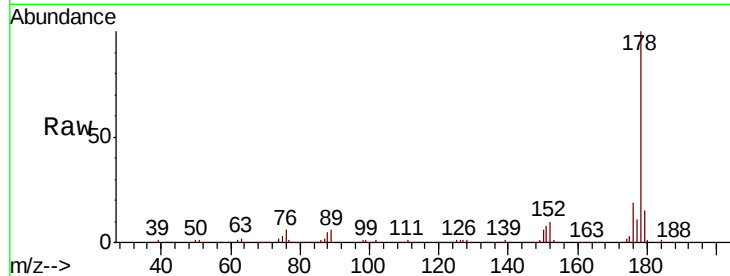
#71
Phenanthrene
Concen: 17.614 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Instrument :
BNA_F
ClientSampleId :
P001-WC011

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.1	12.6	18.8

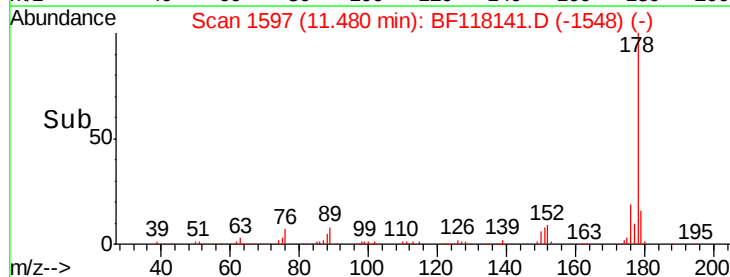
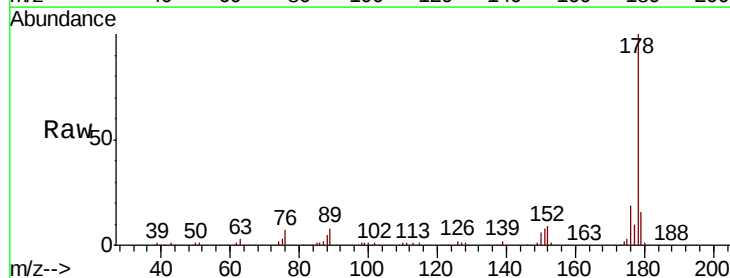
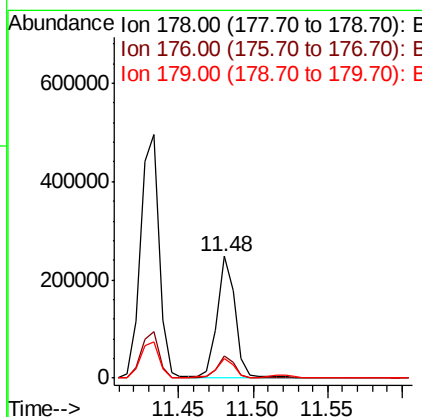
Manual Integrations
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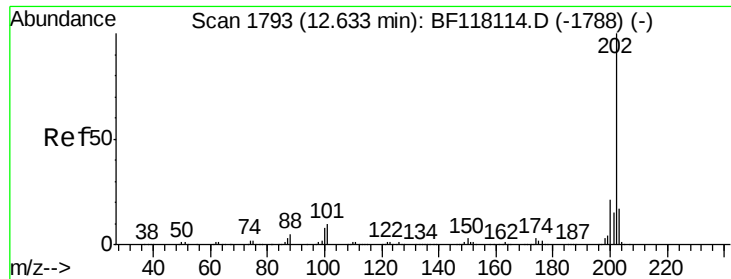
mohammad
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#72
Anthracene
Concen: 8.801 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.9	12.2	18.4





#75

Fluoranthene

Concen: 44.854 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF118141.D

Acq: 7 Dec 2019 20:49

Instrument :

BNA_F

ClientSampleId :

P001-WC011

Tot Ion:202 Resp: 1101337

Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.4

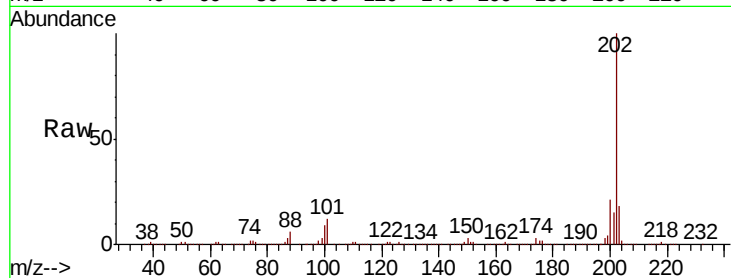
203 17.9 0.0 37.2

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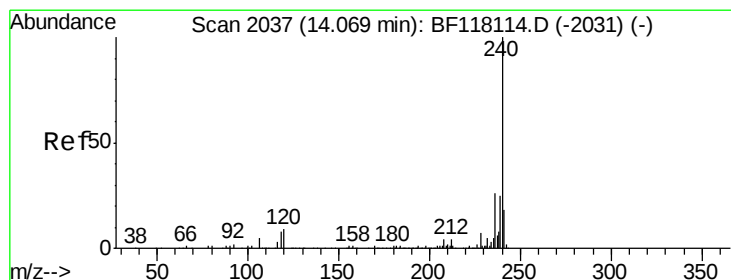
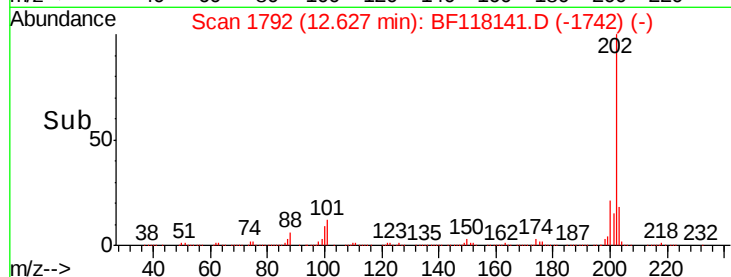
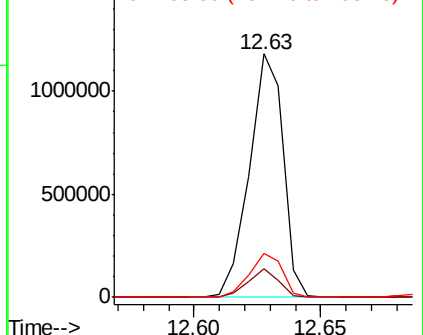


Abundance

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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF118141.D

Acq: 7 Dec 2019 20:49

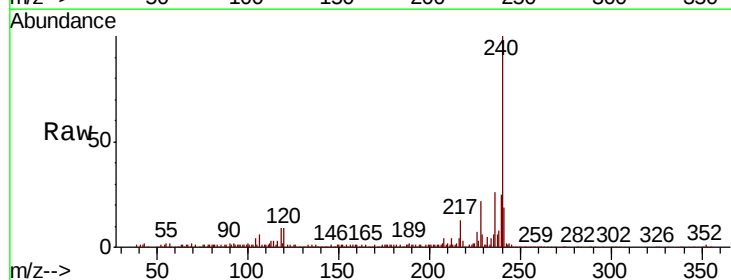
Tgt Ion:240 Resp: 271632

Ion Ratio Lower Upper

240 100

120 9.3 7.1 10.7

236 26.3 21.0 31.6

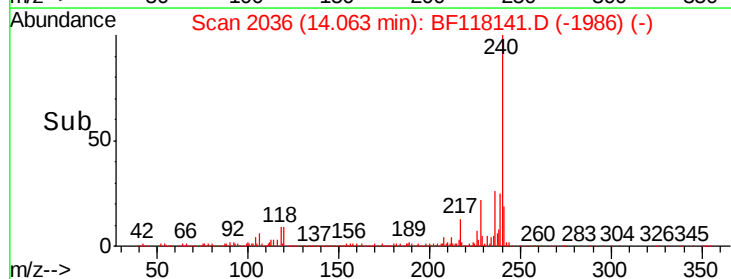
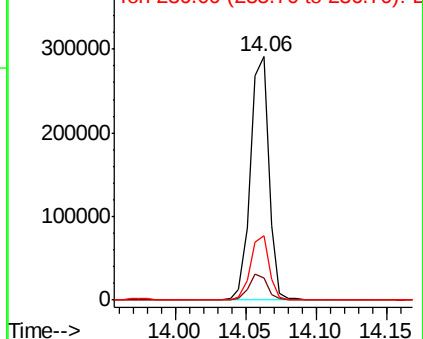


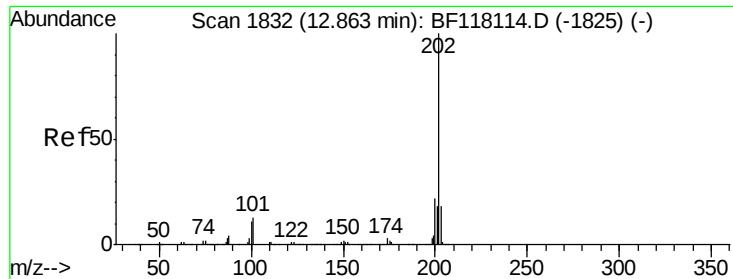
Abundance

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





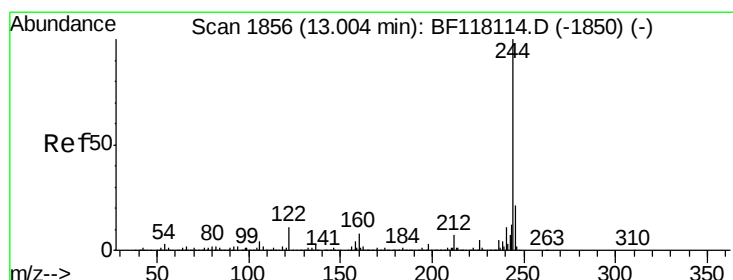
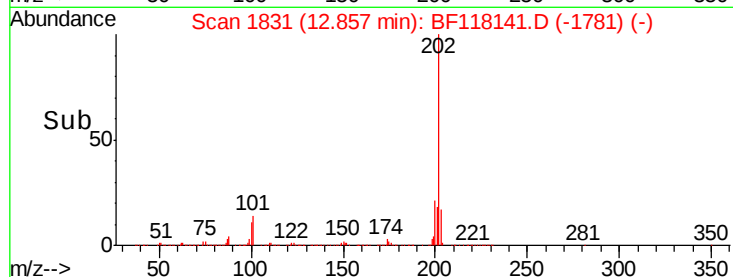
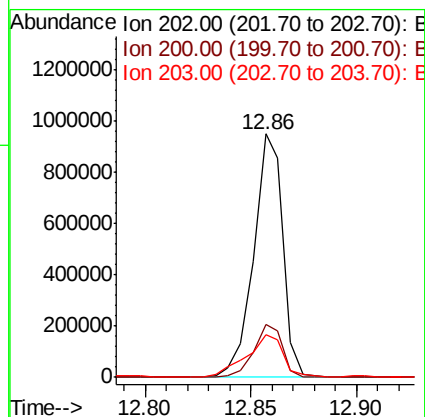
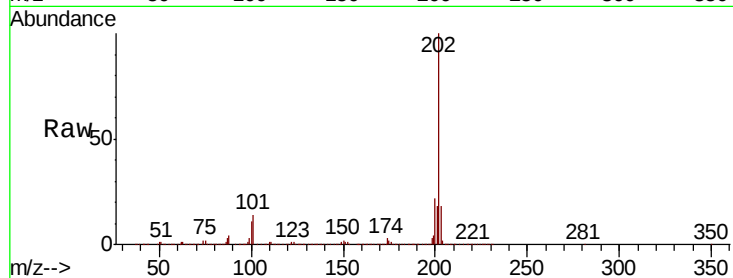
#78
Pvrene
Concen: 42.564 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Instrument :
BNA_F
ClientSampleId :
P001-WC011

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.5	26.3
203	17.8	14.6	21.8

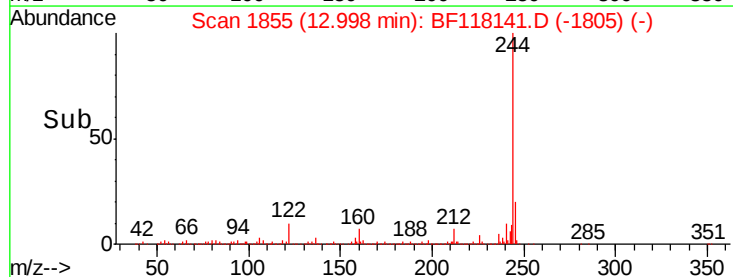
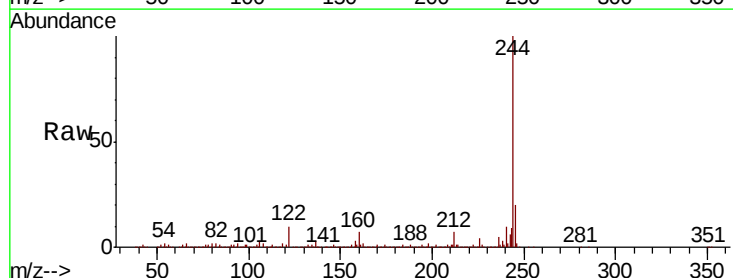
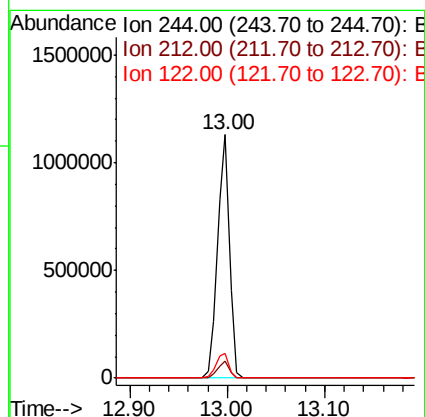
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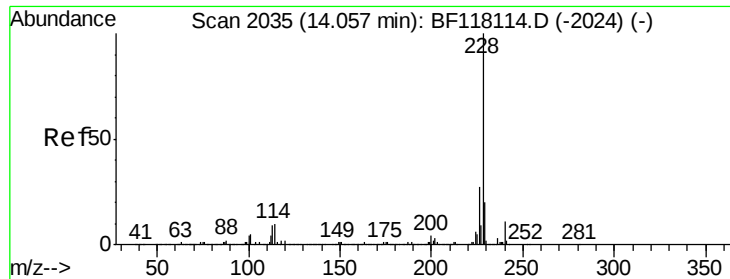
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#79
Terphenyl-d14
Concen: 60.334 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.9	8.9
122	10.0	9.0	13.6





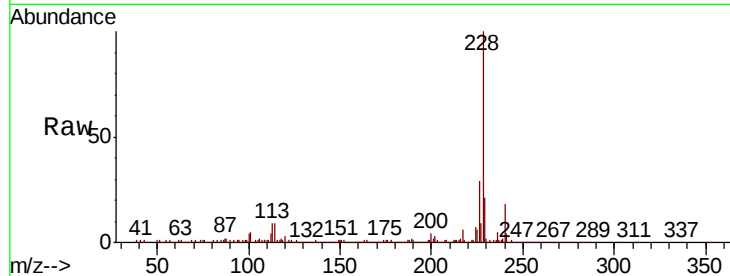
#81
Benzo(a)anthracene
Concen: 25.293 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Instrument :
BNA_F
ClientSampleId :
P001-WC011

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.8	32.8
229	21.2	15.8	23.8

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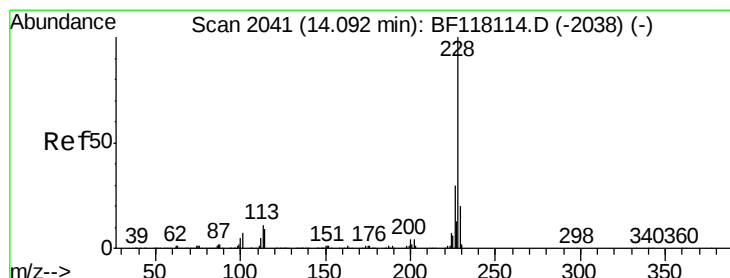
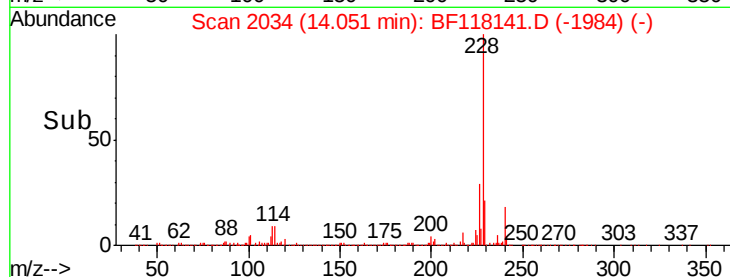
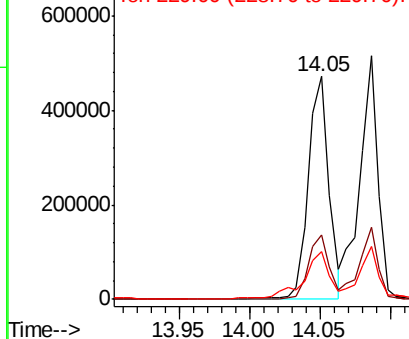


Abundance

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: 25.692 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

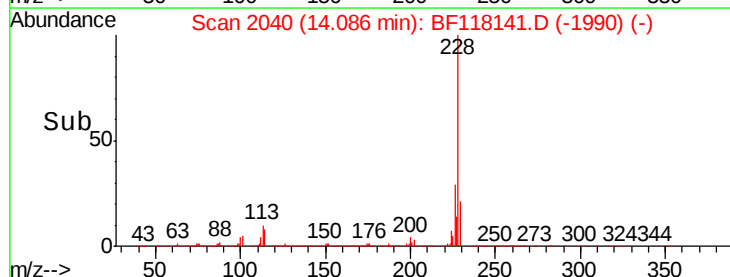
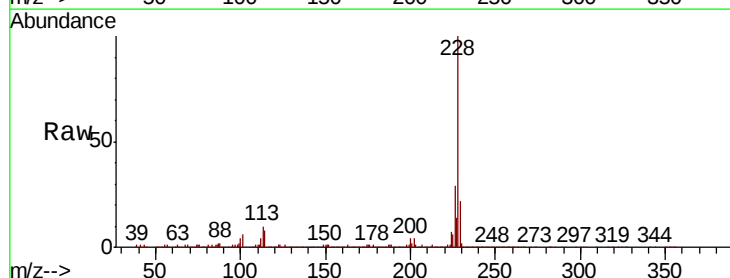
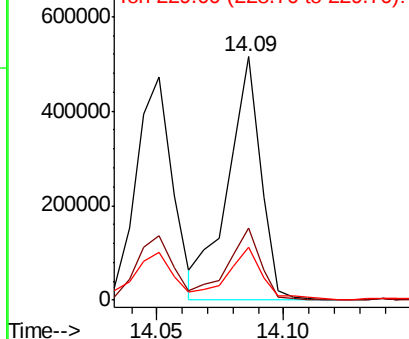
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.8	35.8
229	21.6	15.7	23.5

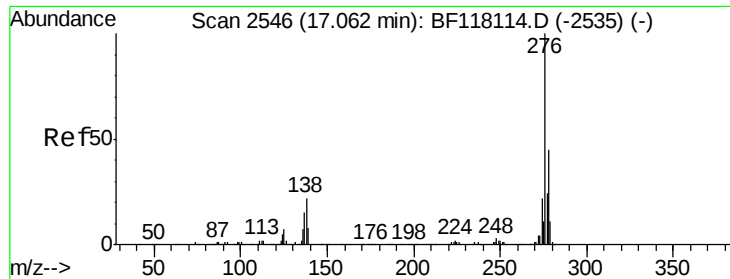
Abundance

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





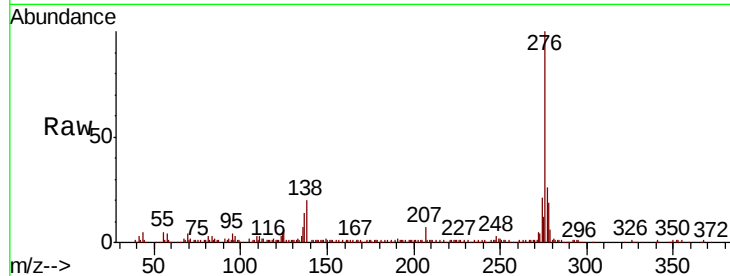
#86
Indeno(1,2,3-cd)pyrene
Concen: 12.103 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.01 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Instrument :
BNA_F
ClientSampleId :
P001-WC011

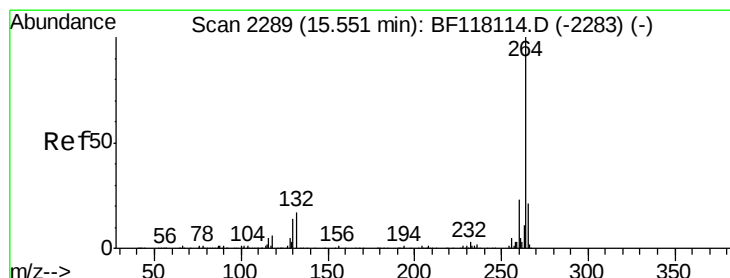
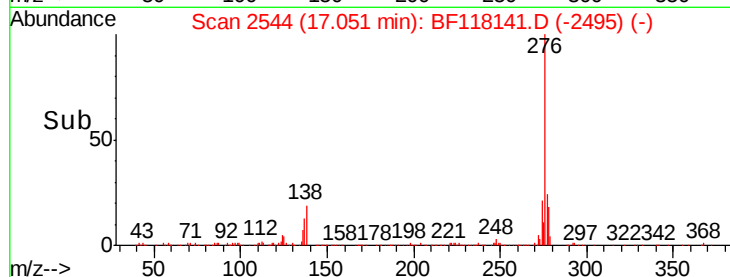
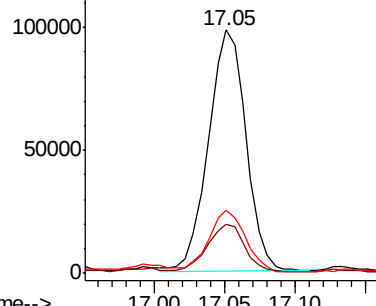
Tot Ion	Ratio	Resp	Lower	Upper
276	100	182714		
138	19.3	18.9	28.3	
277	24.7	20.4	30.6	

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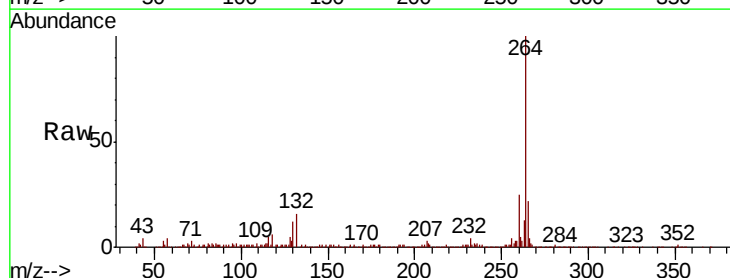


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

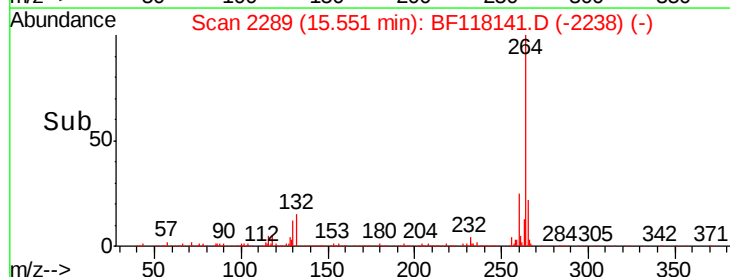
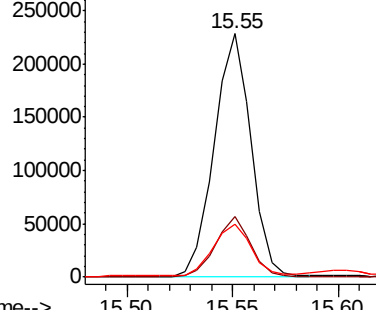


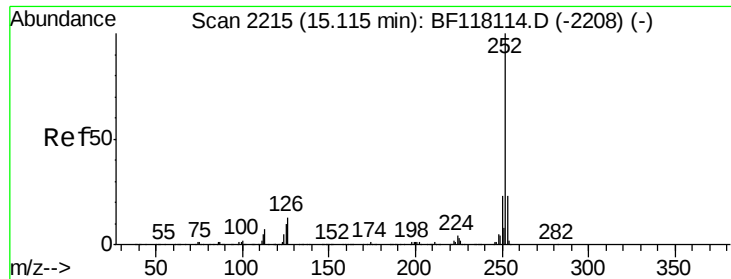
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.00 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	273897		
260	24.7	18.6	28.0	
265	21.8	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





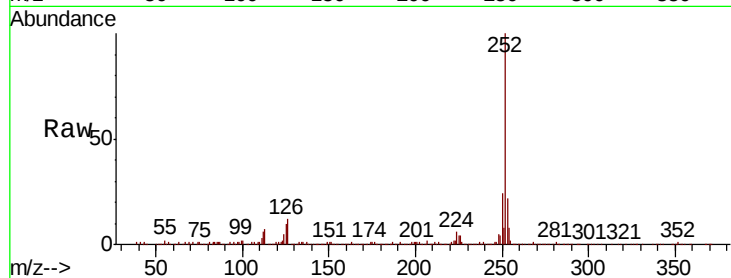
#88
Benzo(b)fluoranthene
Concen: 32.178 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Instrument :
BNA_F
ClientSampleId :
P001-WC011

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	10.4	8.3	12.5

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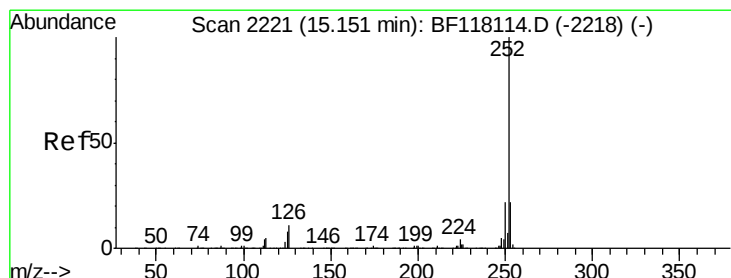
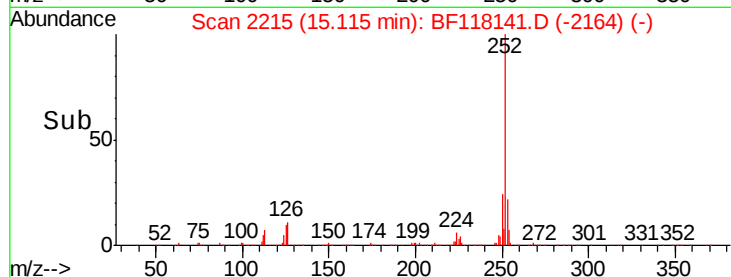
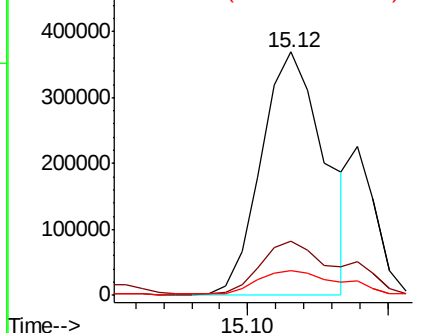


Abundance

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: 8.562 ng m
RT: 15.14 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

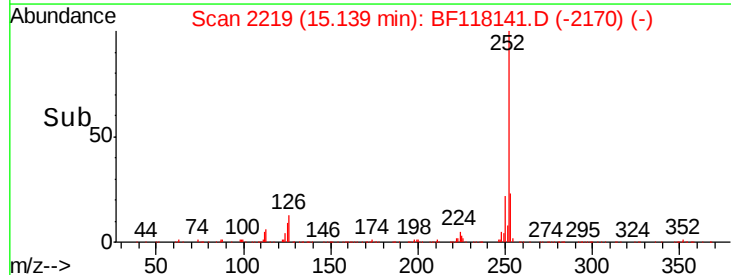
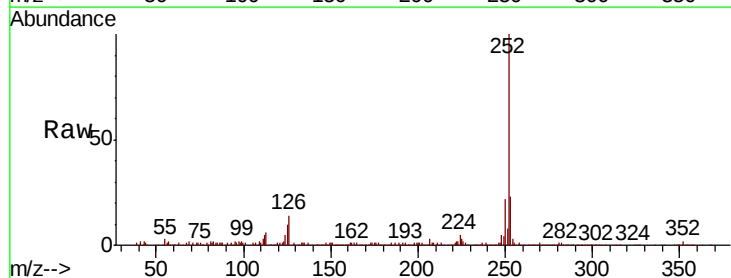
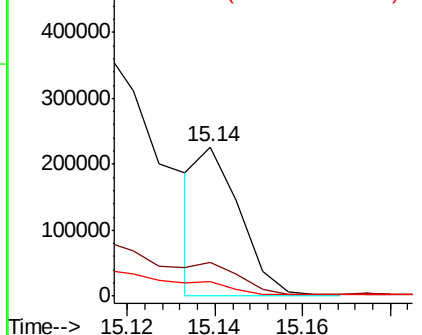
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	10.0	6.7	10.1

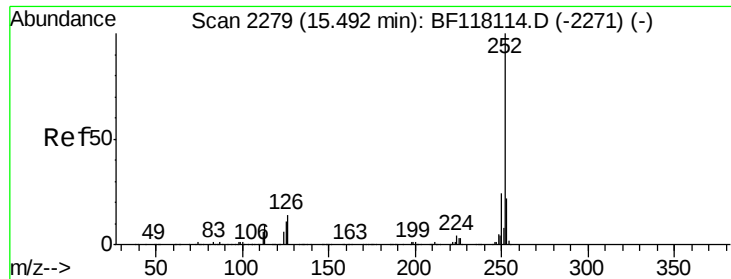
Abundance

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





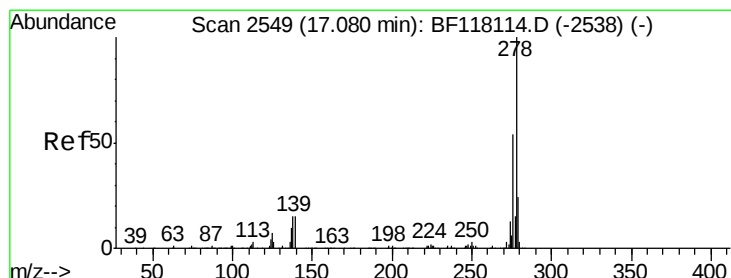
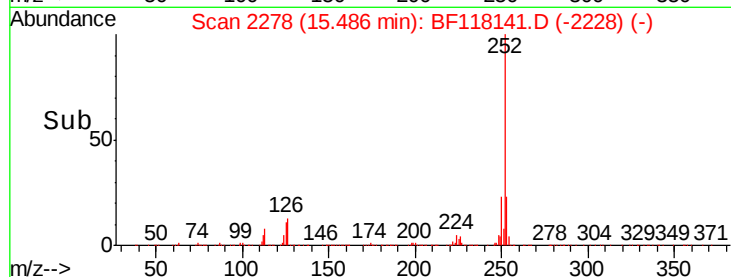
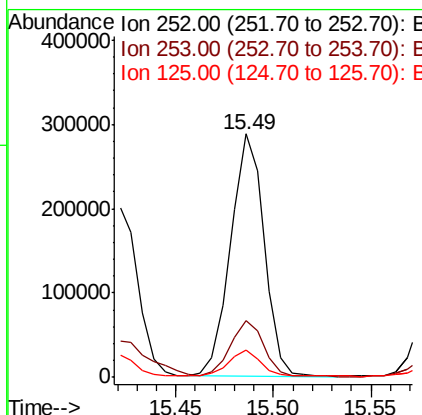
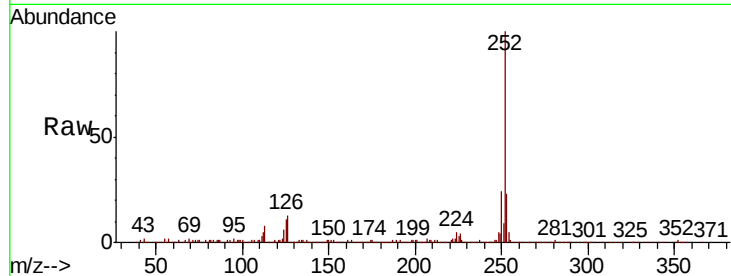
#90
Benzo(a)pyrene
Concen: 21.389 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Instrument :
BNA_F
ClientSampleId :
P001-WC011

Tot Ion	Ratio	Resp	Lower	Upper
252	100	342200		
253	23.1	17.5	26.3	
125	11.3	9.1	13.7	

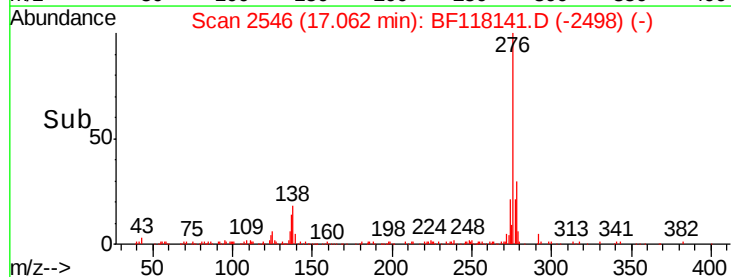
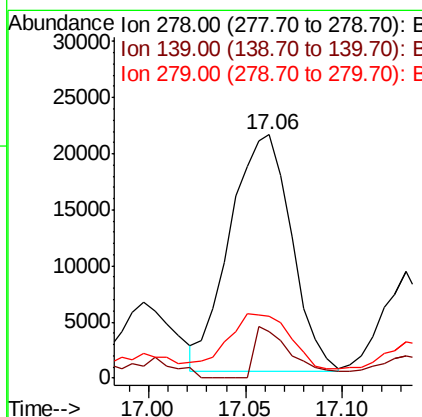
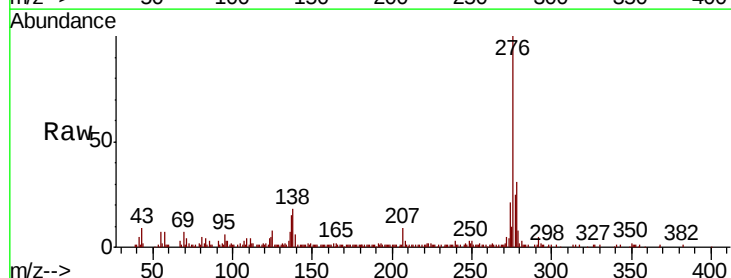
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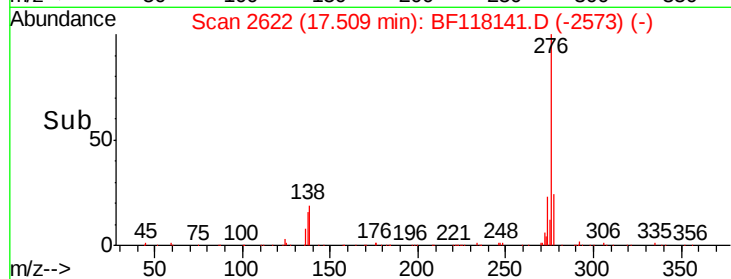
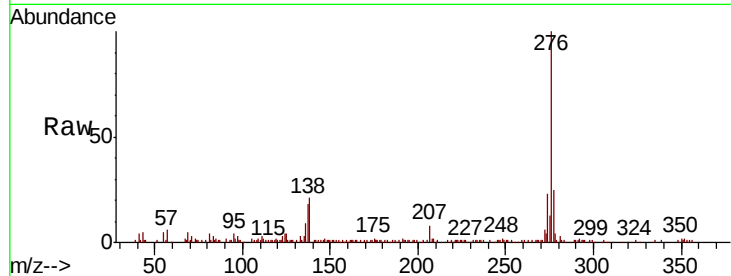
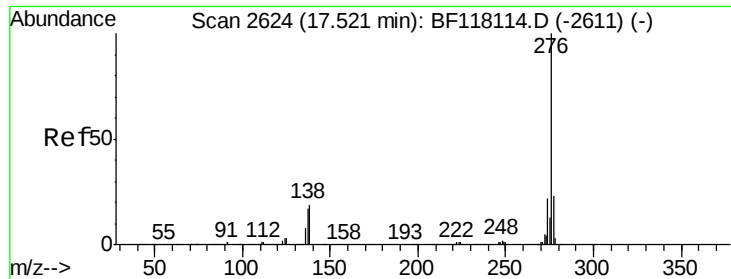
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#91
Dibenzo(a,h)anthracene
Concen: 3.403 ng m
RT: 17.06 min Scan# 2546
Delta R.T. -0.02 min
Lab File: BF118141.D
Acq: 7 Dec 2019 20:49

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	46697		
139	18.9	11.7	17.5#	
279	25.4	19.0	28.4	





#92
 Benzo(a,h,i)perylene
 Concen: 11.925 ng
 RT: 17.51 min Scan# 2622
 Delta R.T. -0.01 min
 Lab File: BF118141.D
 Acq: 7 Dec 2019 20:49

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC011

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.2	27.4
138	21.3	15.5	23.3

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