

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
 Data File : BF118134.D
 Acq On : 7 Dec 2019 17:35
 Operator : JU
 Sample : K6147-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC001

Manual Integrations
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mohammad
 12/10/2019 11:47:40 AM

Quant Time: Dec 09 07:03:32 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	6.86	152	124686	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	497774	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	269145	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	472723	20.00	ng	0.00
76) Chrysene-d12	14.06	240	271538	20.00	ng	-0.01
87) Perylene-d12	15.54	264	298540	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	677513	95.17	ng	0.00
7) Phenol-d6	6.49	99	885279	102.81	ng	0.00
23) Nitrobenzene-d5	7.43	82	529855	59.88	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	299315	91.54	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1108308	62.66	ng	0.00
79) Terphenyl-d14	13.00	244	1066188	67.52	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) 2-Methylphenol	7.12	107	15819	2.478	ng	95
50) Dimethylphthalate	9.62	163	127375	6.407	ng	100
71) Phenanthrene	11.43	178	465105	18.508	ng	99
72) Anthracene	11.48	178	52795	2.106	ng	98
75) Fluoranthene	12.62	202	552648	21.510	ng	98
78) Pyrene	12.85	202	464102	21.689	ng	99
81) Benzo(a)anthracene	14.04	228	193216	10.291	ng	99
83) Chrysene	14.08	228	195145	10.880	ng	97
86) Indeno(1,2,3-cd)pyrene	17.04	276	106942	7.087	ng	95
88) Benzo(b)fluoranthene	15.11	252	272228m	13.788	ng	
89) Benzo(k)fluoranthene	15.13	252	72347m	3.814	ng	
90) Benzo(a)pyrene	15.48	252	182672	10.475	ng	99
92) Benzo(a,h,i)perylene	17.50	276	99604	6.930	ng	96

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

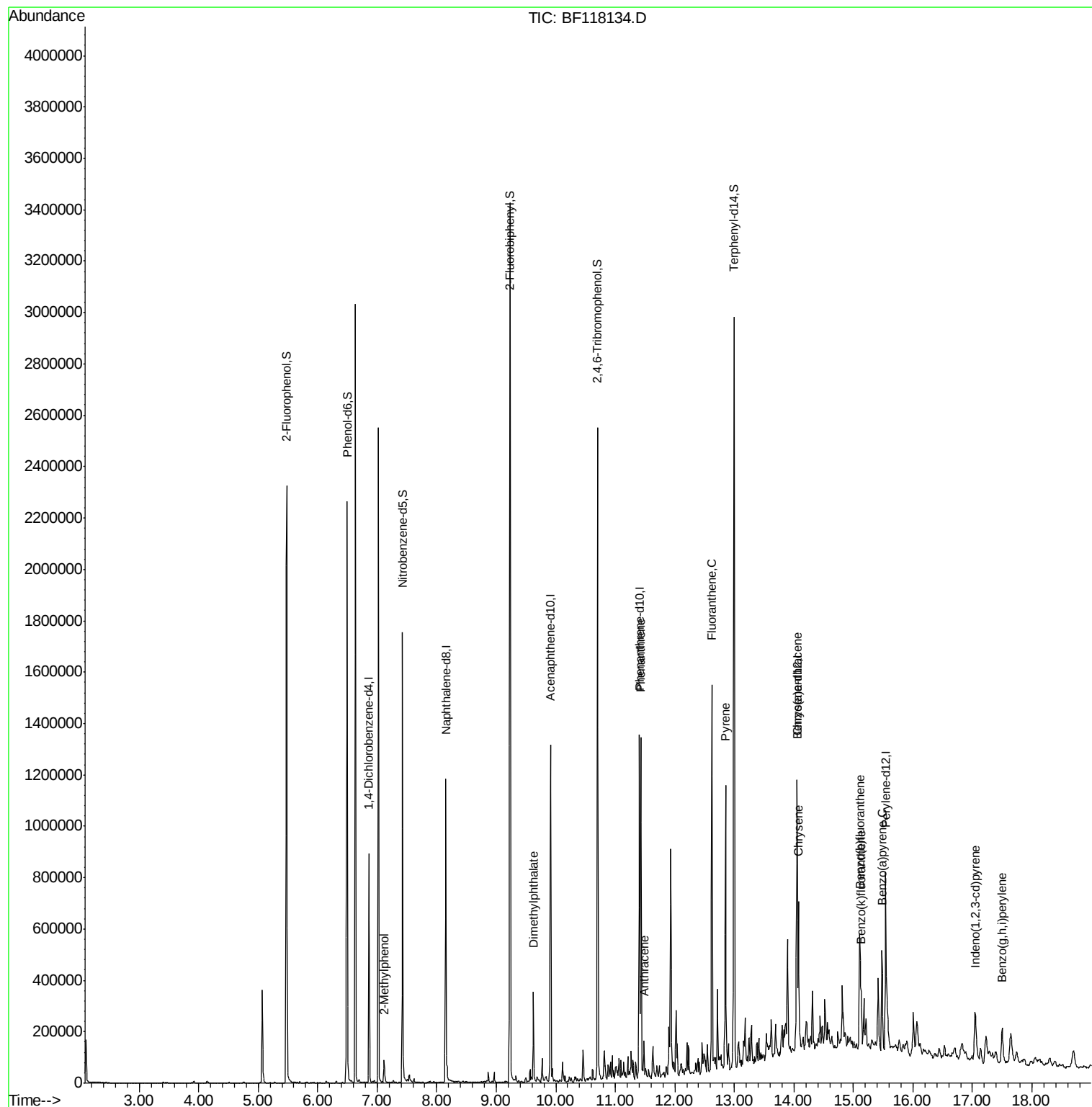
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118134.D
Acq On : 7 Dec 2019 17:35
Operator : JU
Sample : K6147-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

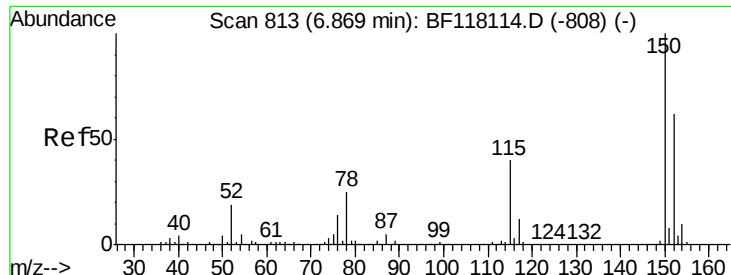
Instrument :
BNA_F
ClientSampleId :
P001-WC001

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Quant Time: Dec 09 07:03:32 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





#1

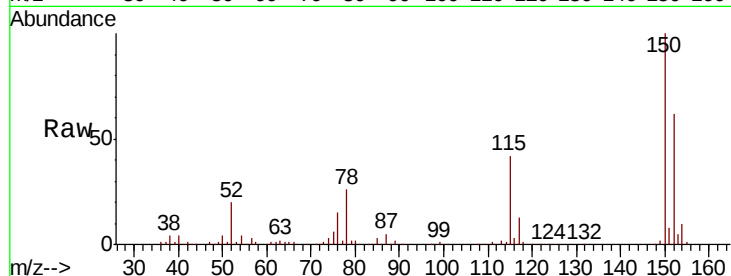
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Instrument :
BNA_F
ClientSampleId :
P001-WC001

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	128.3	192.5
115	66.8	51.1	76.7

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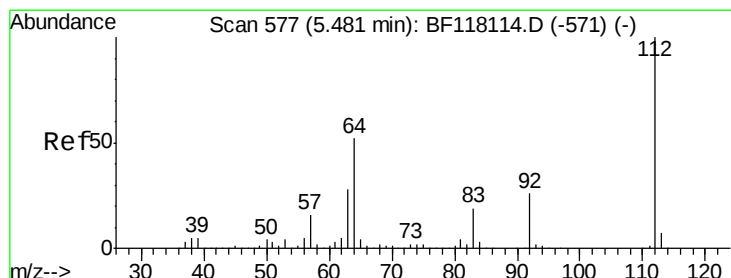
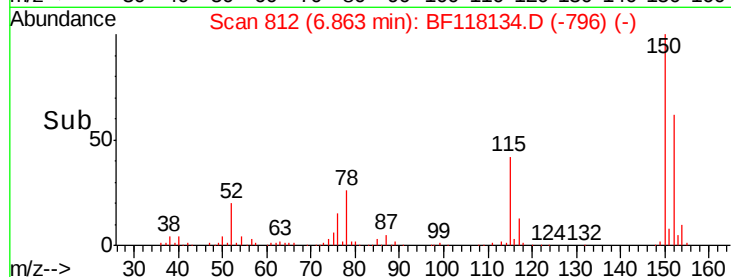
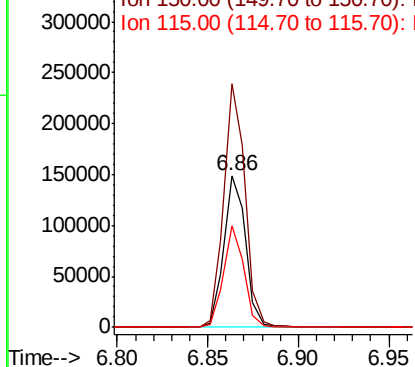


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

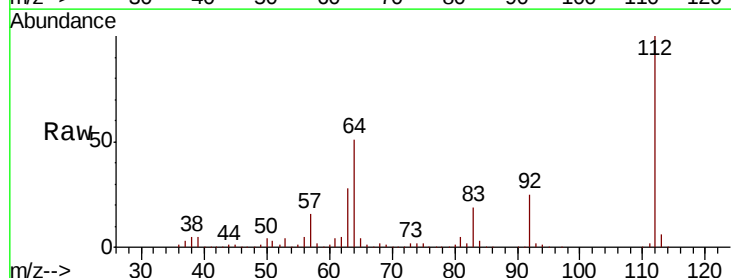
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.170 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.8	41.3	61.9
63	27.8	22.4	33.6

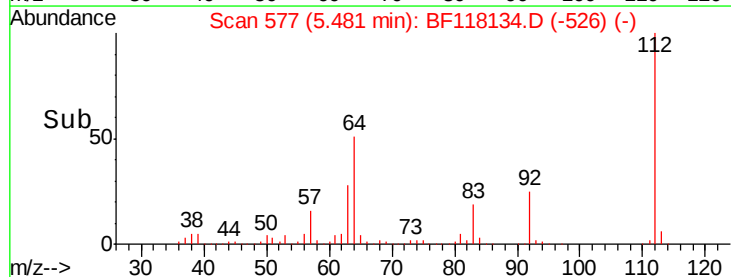
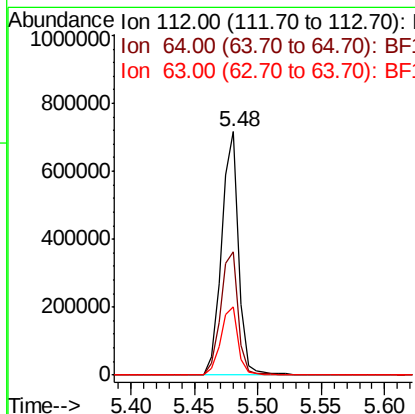


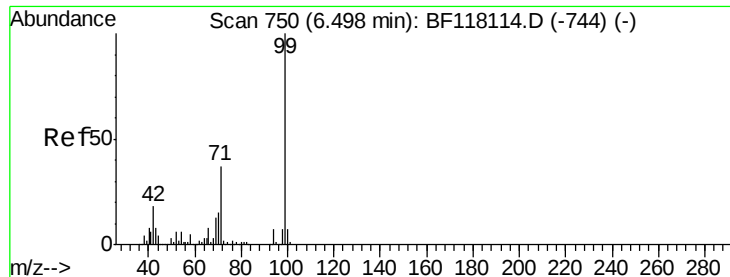
Abundance

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: 102.813 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118134.D

Acq: 7 Dec 2019 17:35

Instrument :

BNA_F

ClientSampleId :

P001-WC001

Tot Ion: 99 Resp: 885279

Ion Ratio Lower Upper

99 100

42 17.8 14.1 21.1

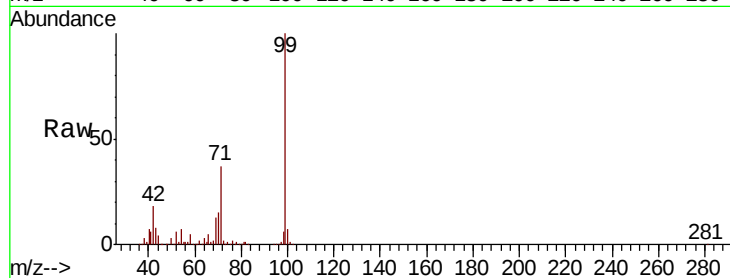
71 37.4 29.7 44.5

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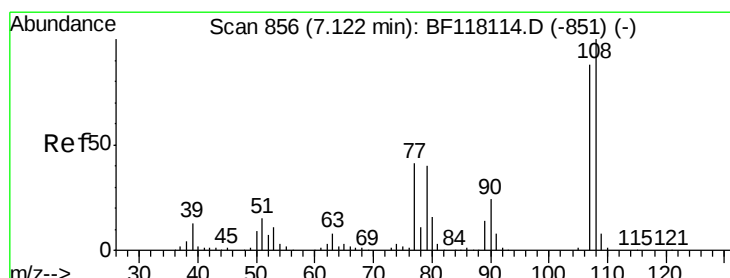
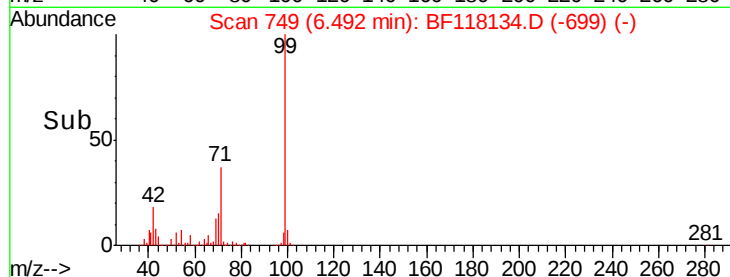
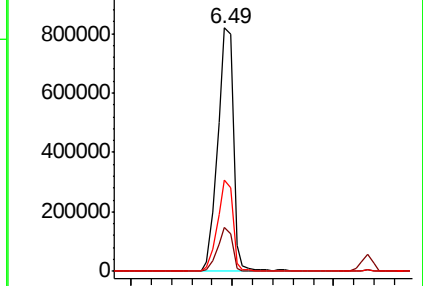
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#17

2-Methylphenol

Concen: 2.478 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF118134.D

Acq: 7 Dec 2019 17:35

Tgt Ion: 107 Resp: 15819

Ion Ratio Lower Upper

107 100

108 107.2 91.1 136.7

77 44.5 37.8 56.6

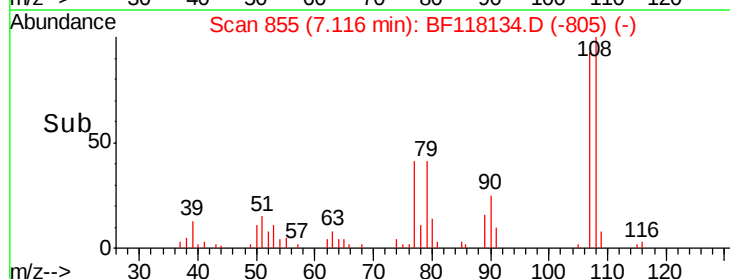
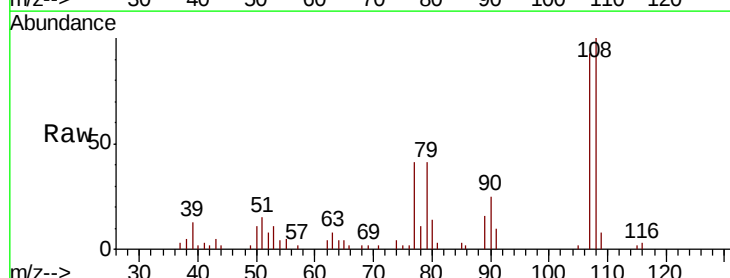
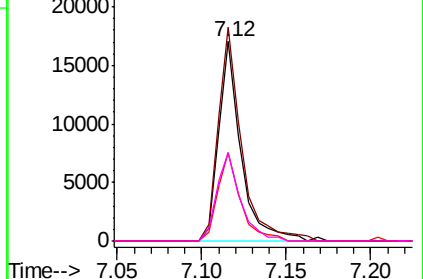
79 44.1 37.0 55.6

Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





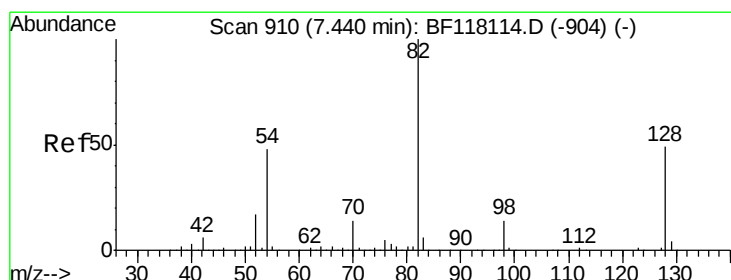
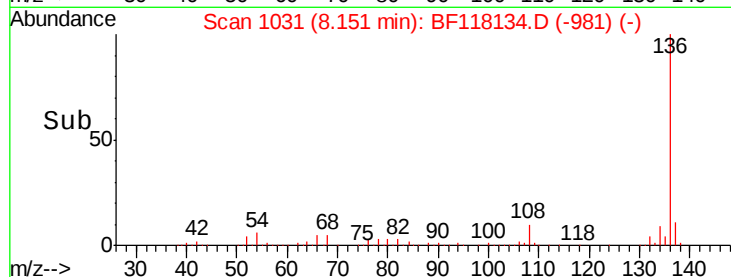
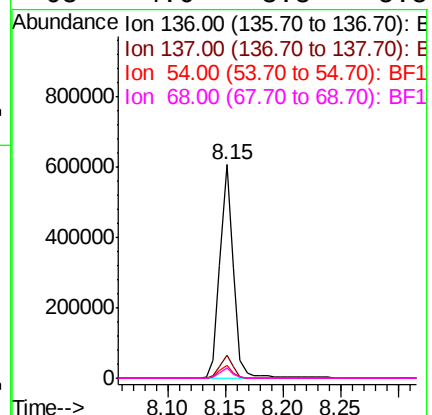
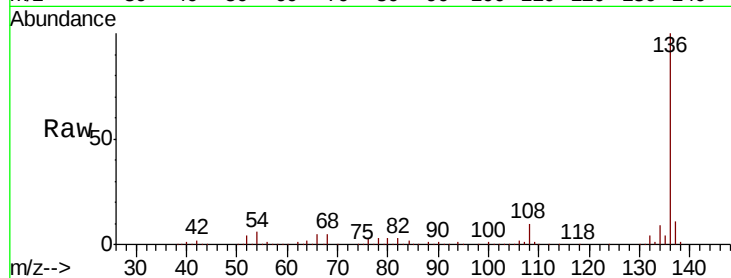
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Instrument :
BNA_F
ClientSampleId :
P001-WC001

Tot Ion	136	Resp	497774
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.6
54	6.3	5.0	7.6
68	4.6	3.8	5.8

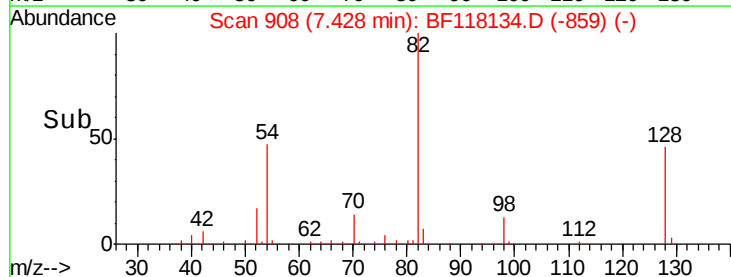
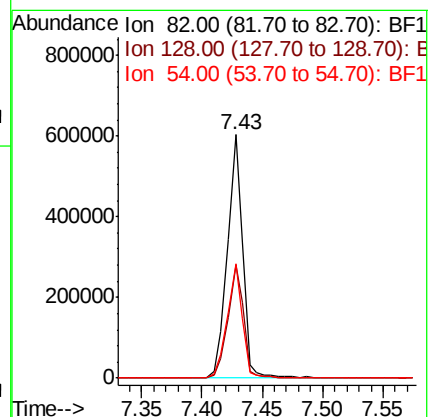
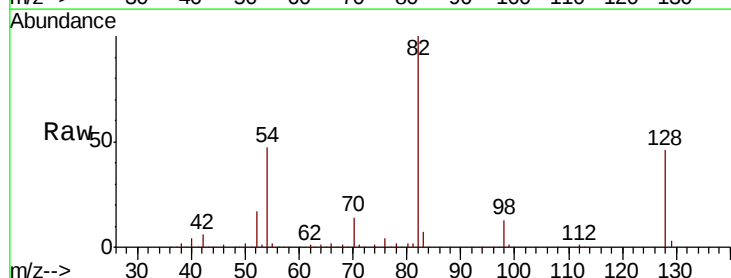
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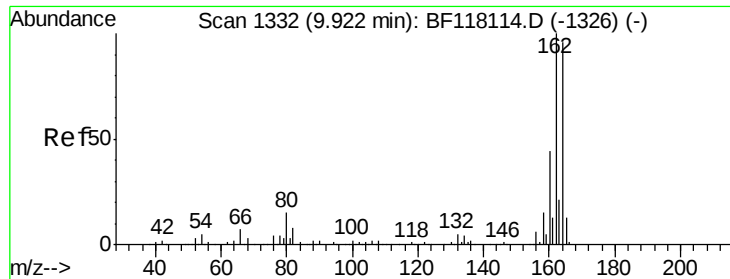
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#23
Nitrobenzene-d5
Concen: 59.884 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Tgt Ion	82	Resp	529855
Ion Ratio	Lower	Upper	
82	100		
128	46.3	39.1	58.7
54	46.9	38.2	57.2





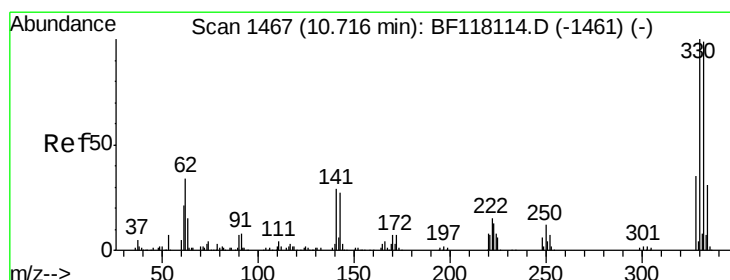
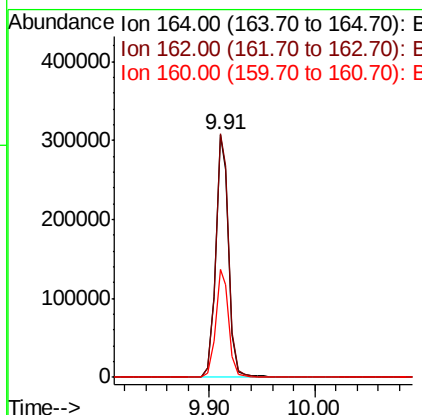
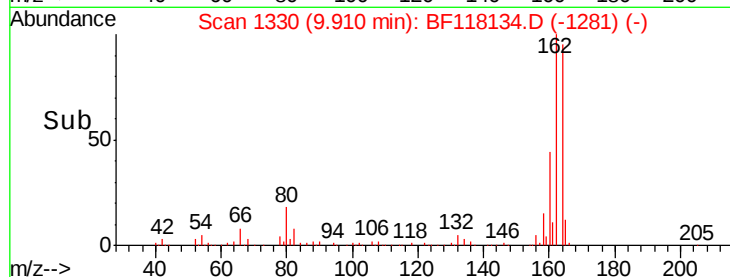
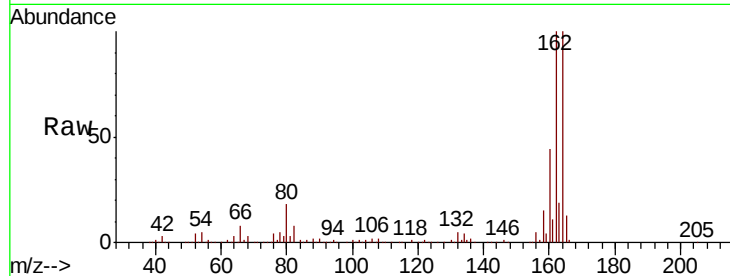
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Instrument :
BNA_F
ClientSampleId :
P001-WC001

Tot Ion	Ratio	Resp	Lower	Upper
164	100	269145		
162	100.3	83.4	125.0	
160	44.4	36.6	54.8	

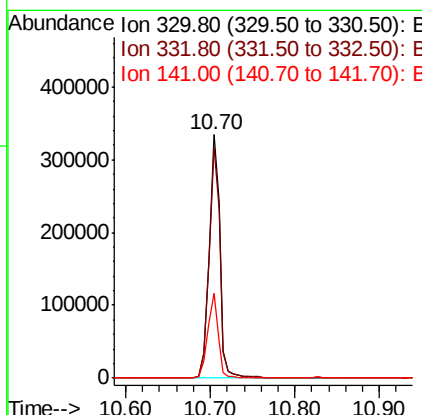
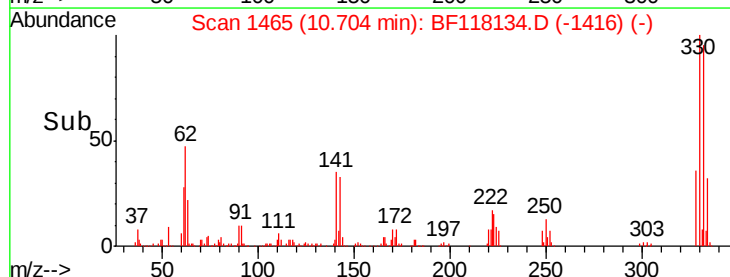
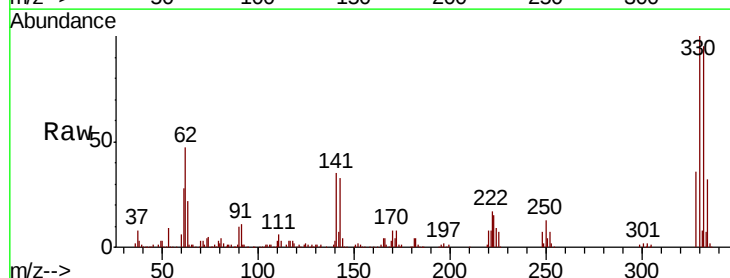
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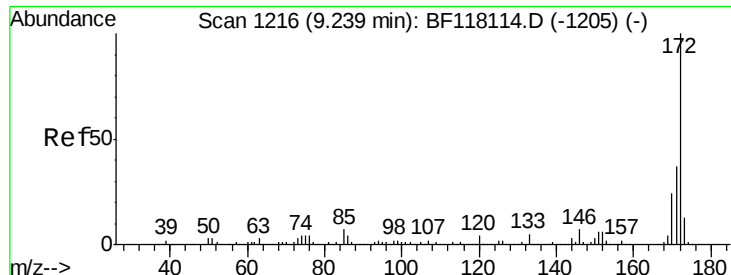
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#42
2,4,6-Tribromophenol
Concen: 91.544 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	299315		
332	95.8	78.1	117.1	
141	33.5	26.9	40.3	





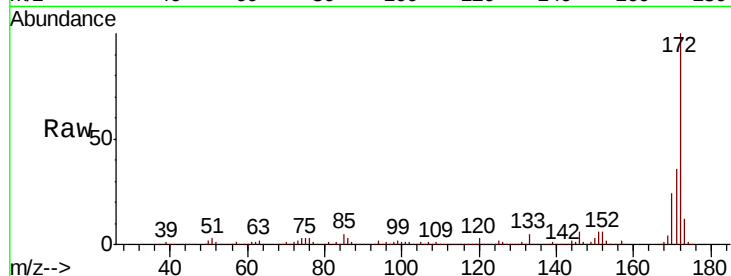
#45
2-Fluorobiphenyl
Concen: 62.660 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Instrument :
BNA_F
ClientSampleId :
P001-WC001

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.2	43.8
170	23.8	19.4	29.2

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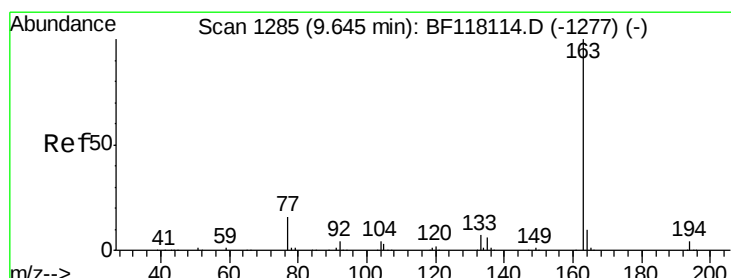
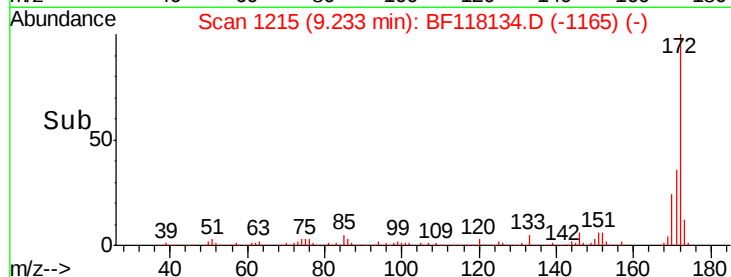
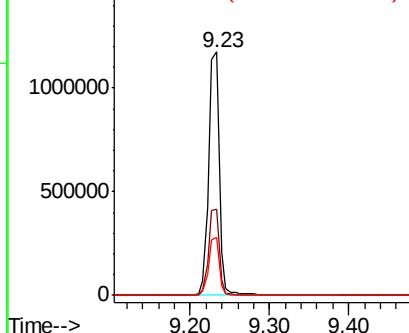


Abundance

Ion 172.00 (171.70 to 172.70): E

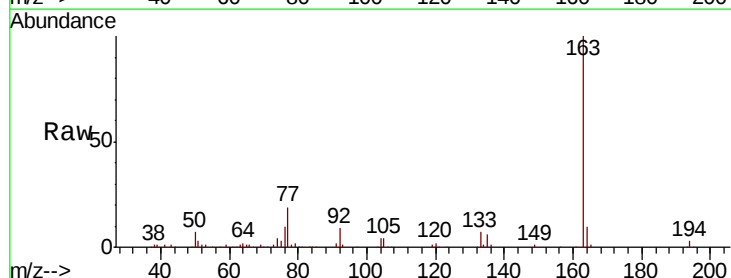
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 6.407 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.1	4.7
164	9.6	7.7	11.5

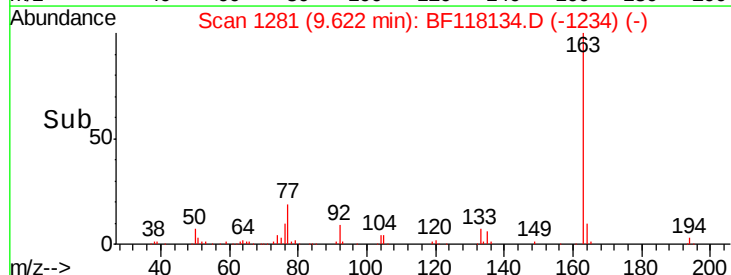
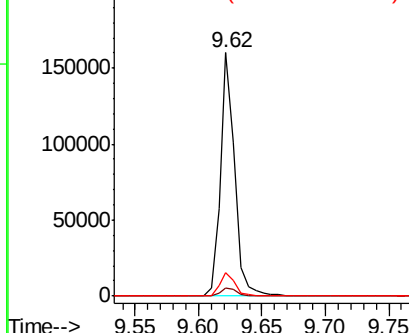


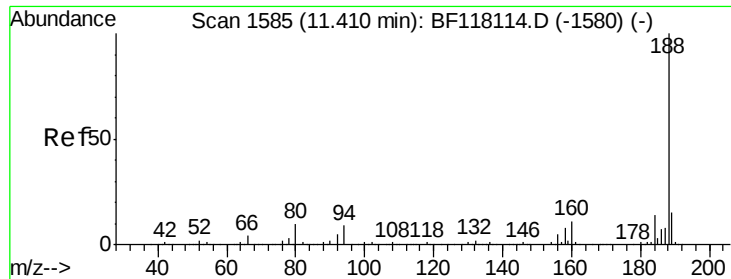
Abundance

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





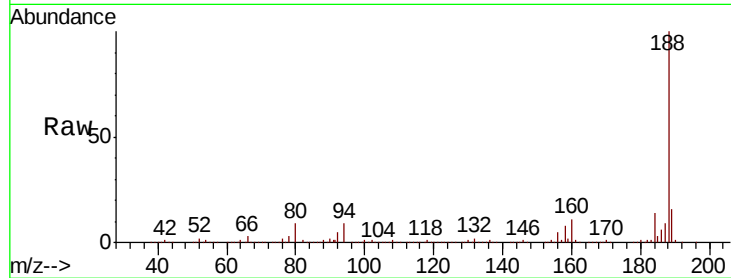
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Instrument :
BNA_F
ClientSampleId :
P001-WC001

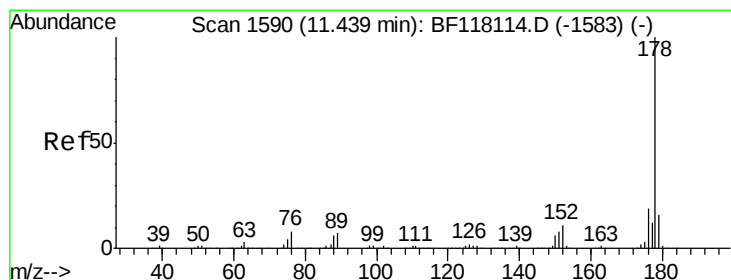
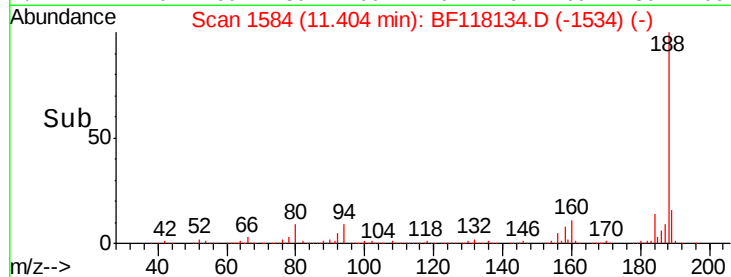
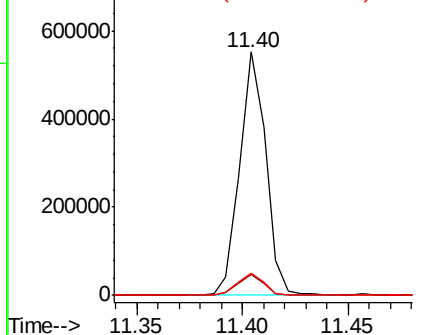
Tot Ion	Ratio	Resp	Lower	Upper
188	100	472723		
94	8.5		7.1	10.7
80	9.2		7.9	11.9

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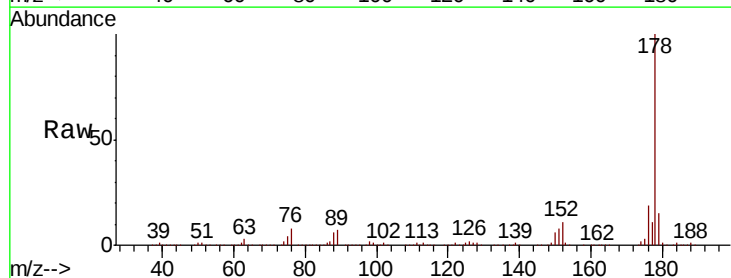


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

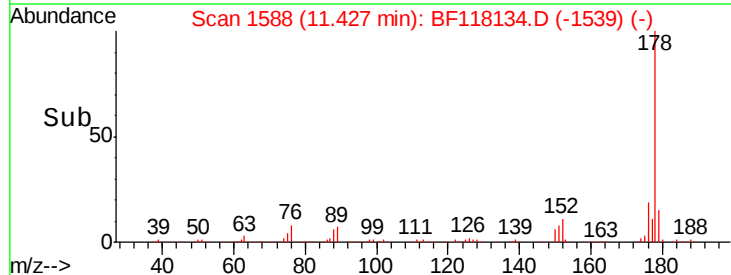
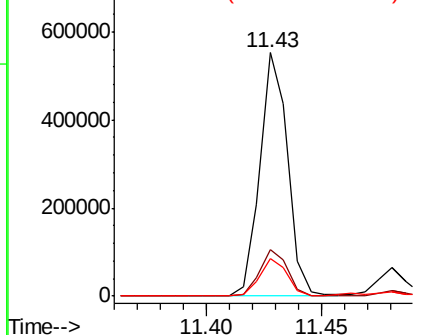


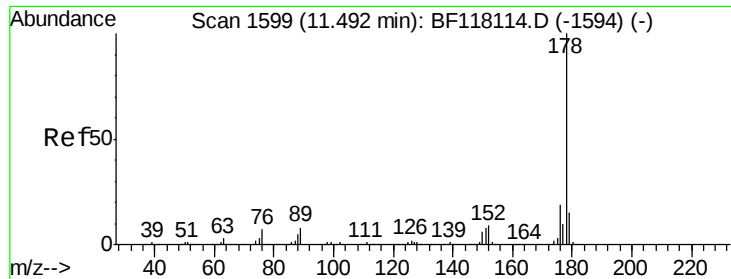
#71
Phenanthrene
Concen: 18.508 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	465105		
176	19.2		15.5	23.3
179	15.2		12.6	18.8



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: 2.106 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF118134.D

Acq: 7 Dec 2019 17:35

Instrument :

BNA_F

ClientSampleId :

P001-WC001

Tot Ion:178 Resp: 52795

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.6

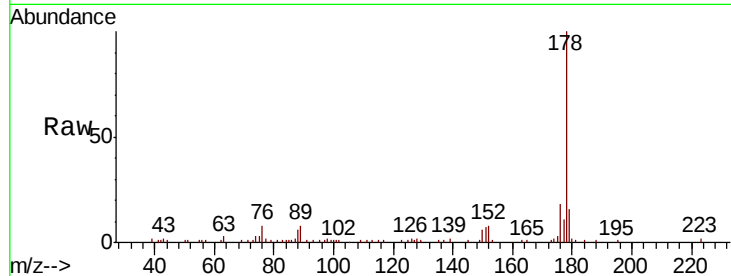
179 16.4 12.2 18.4

Manual Integrations

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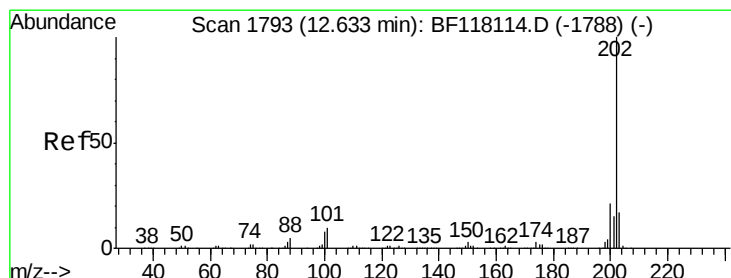
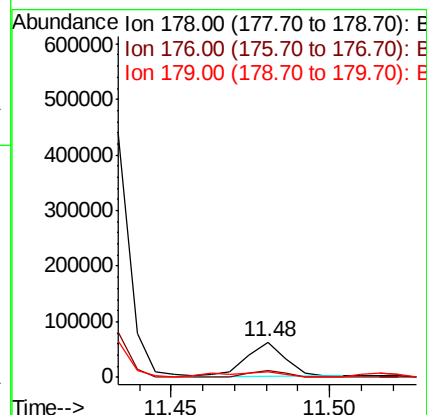
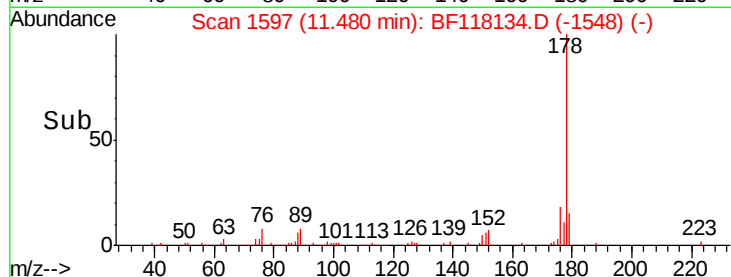
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 21.510 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF118134.D

Acq: 7 Dec 2019 17:35

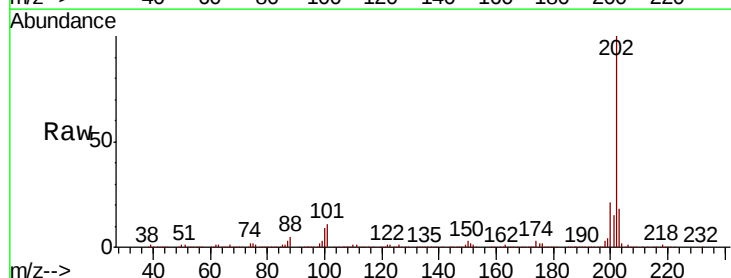
Tgt Ion:202 Resp: 552648

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.4

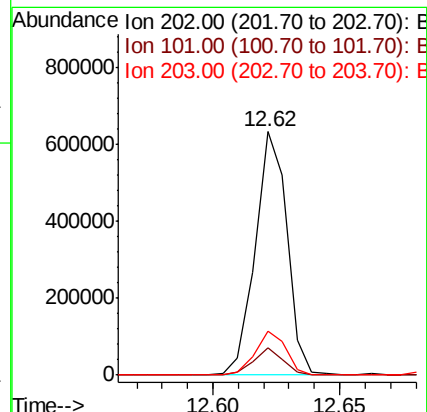
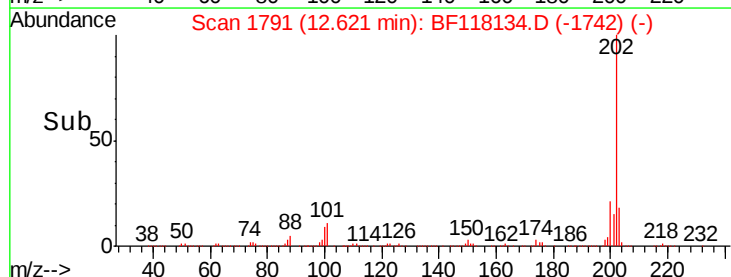
203 17.9 0.0 37.2

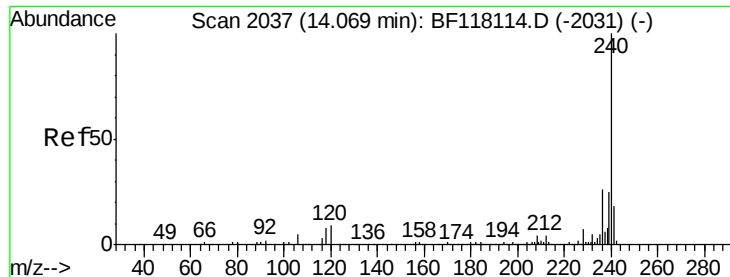


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2035

Delta R.T. -0.01 min

Lab File: BF118134.D

Acq: 7 Dec 2019 17:35

Instrument :

BNA_F

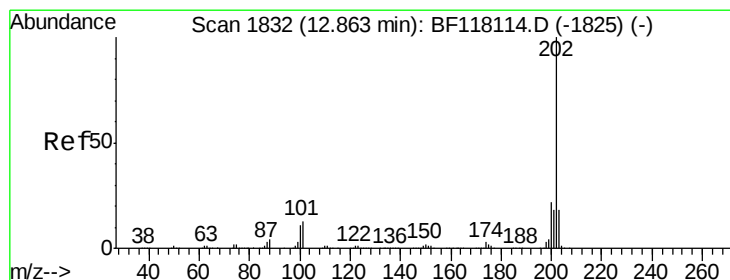
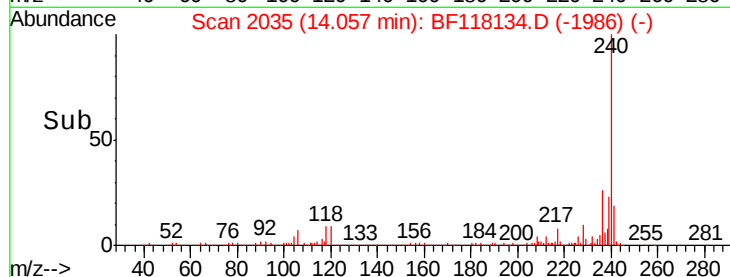
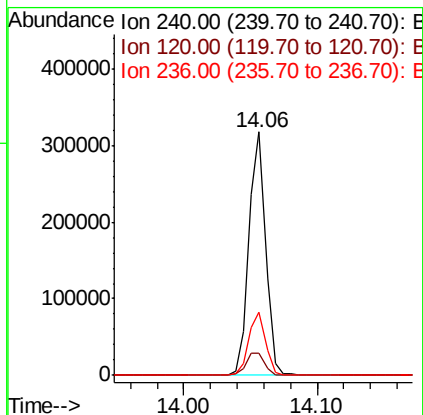
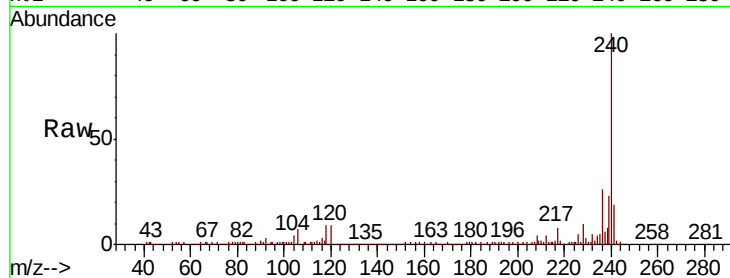
ClientSampleId :

P001-WC001

Tot Ion:	240	Resp:	271538
Ion Ratio	Lower	Upper	
240	100		
120	9.1	7.1	10.7
236	26.1	21.0	31.6

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#78

Pyrene

Concen: 21.689 ng

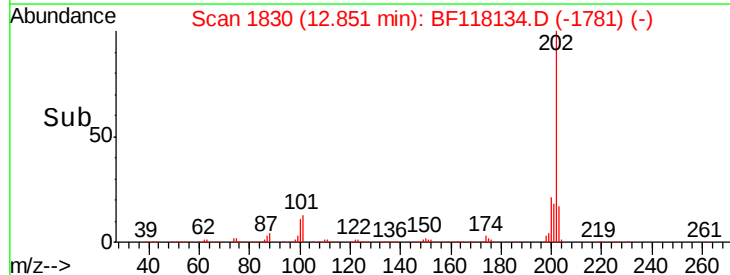
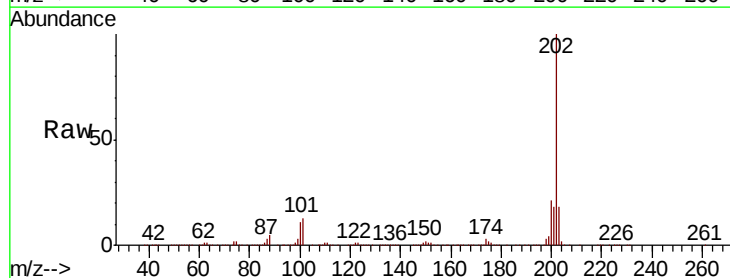
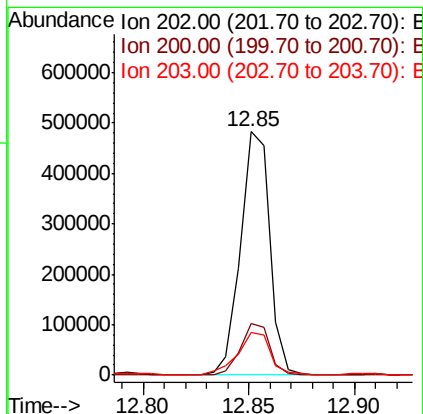
RT: 12.85 min Scan# 1830

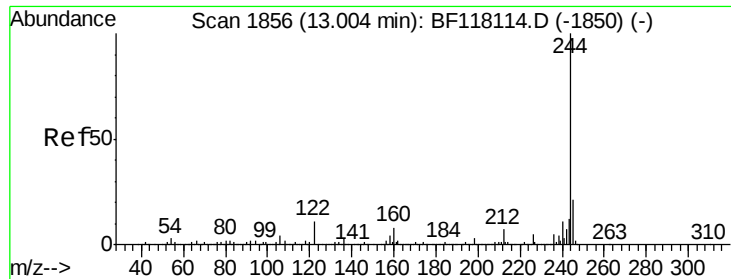
Delta R.T. -0.01 min

Lab File: BF118134.D

Acq: 7 Dec 2019 17:35

Tgt Ion:	202	Resp:	464102
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.5	26.3
203	17.6	14.6	21.8





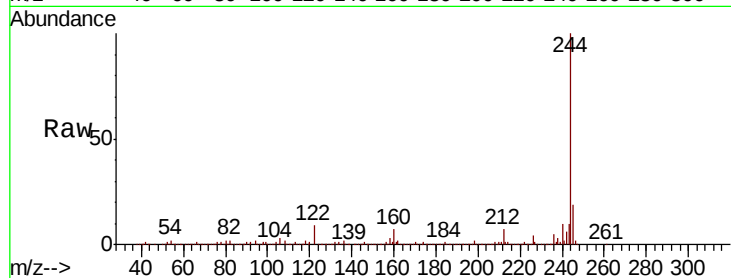
#79
 Terphenyl-d14
 Concen: 67.521 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. -0.01 min
 Lab File: BF118134.D
 Acq: 7 Dec 2019 17:35

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC001

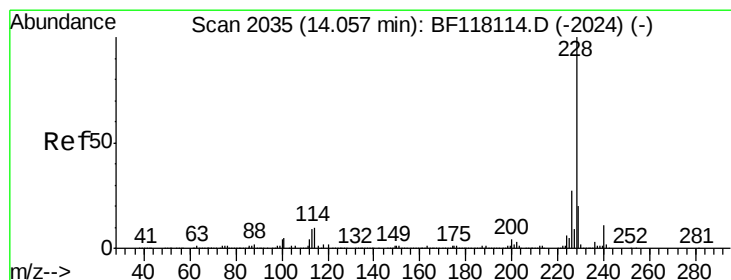
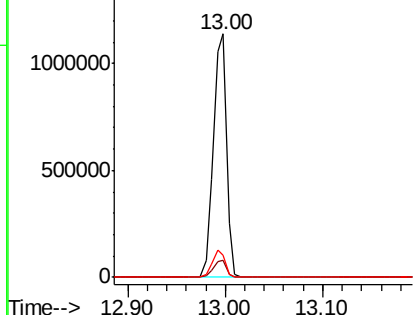
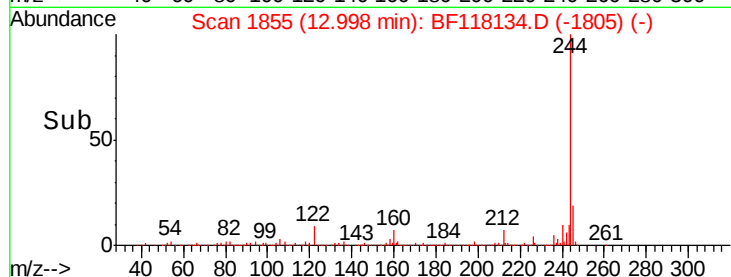
Tot Ion:244 Resp: 1066188
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 9.2 9.0 13.6

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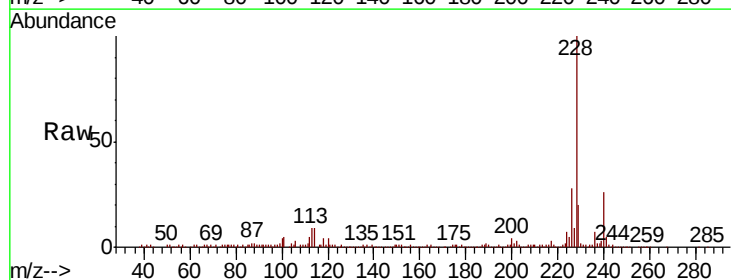


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

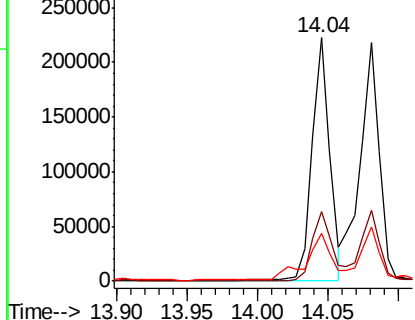
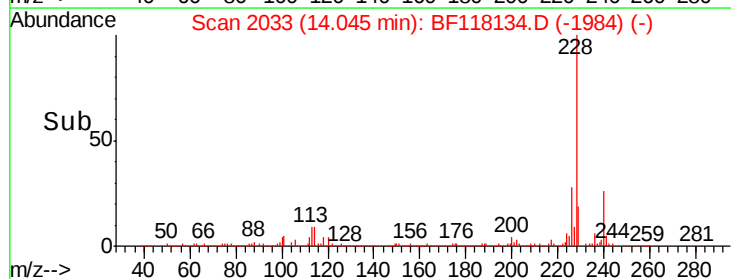


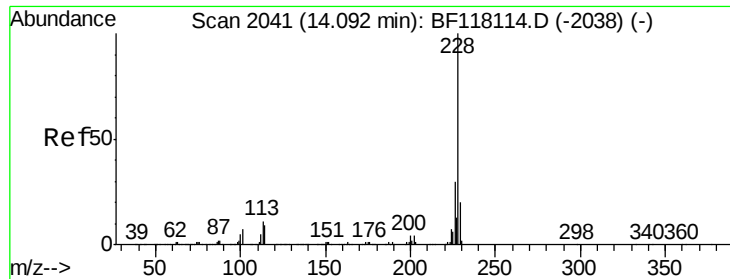
#81
 Benzo(a)anthracene
 Concen: 10.291 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF118134.D
 Acq: 7 Dec 2019 17:35

Tgt Ion:228 Resp: 193216
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.8 32.8
 229 19.8 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





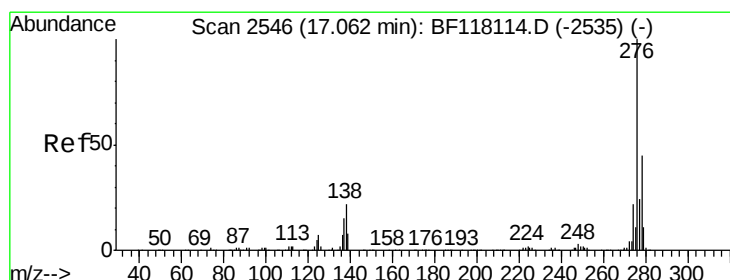
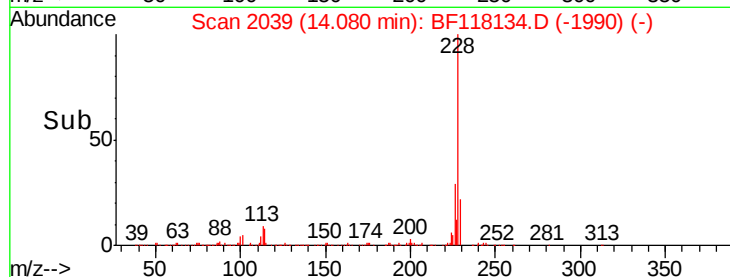
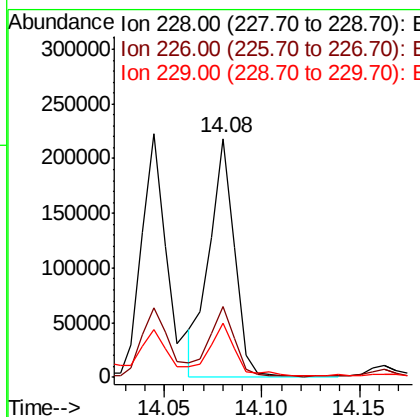
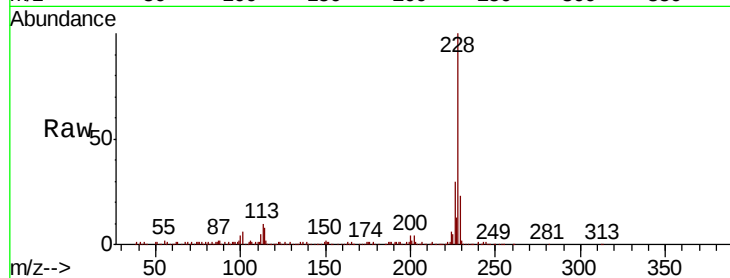
#83
Chrysene
Concen: 10.880 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Instrument :
BNA_F
ClientSampleId :
P001-WC001

Tot Ion	Ratio	Resp	Lower	Upper
228	100	195145		
226	29.5	23.8	35.8	
229	22.5	15.7	23.5	

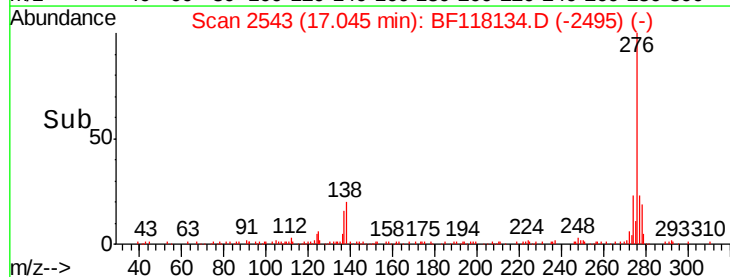
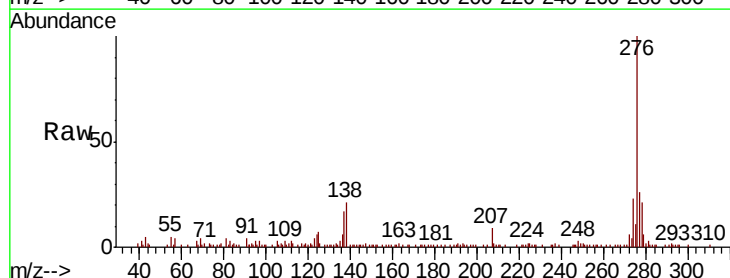
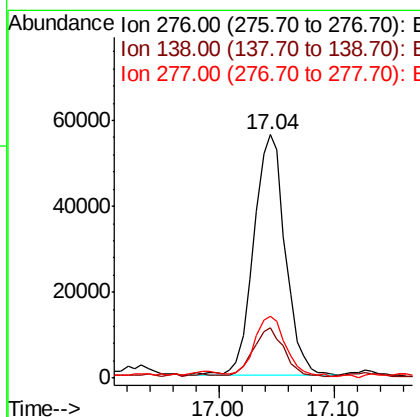
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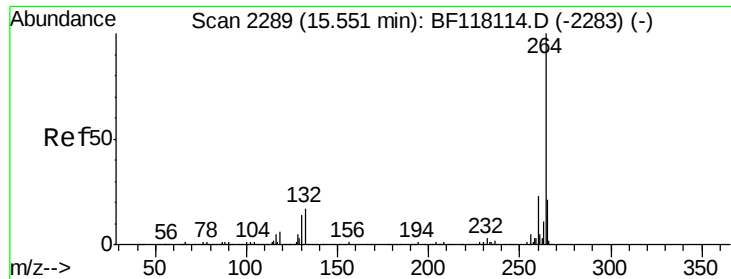
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.087 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.02 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	106942		
138	19.2	18.9	28.3	
277	25.0	20.4	30.6	





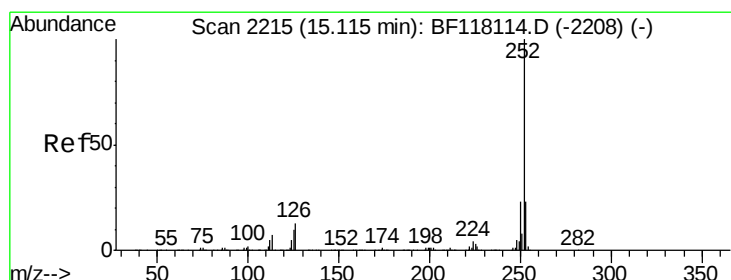
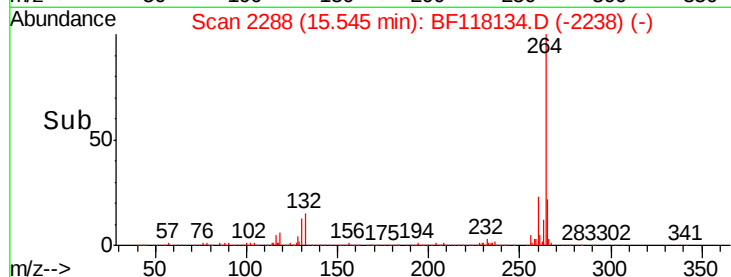
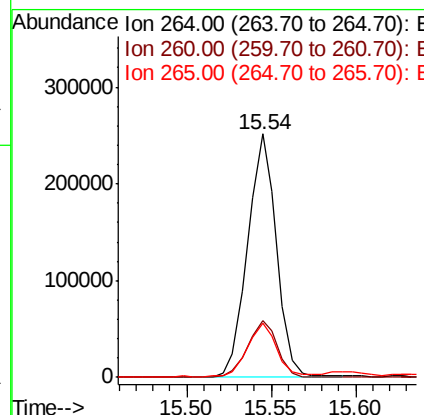
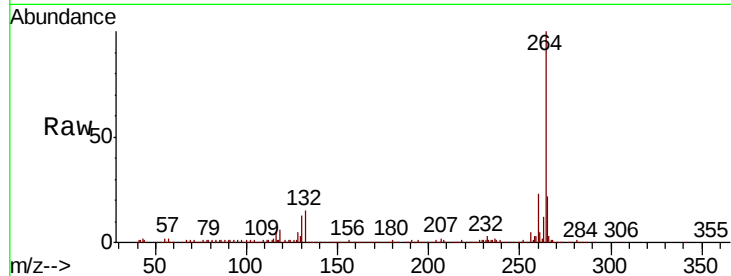
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Instrument :
BNA_F
ClientSampleId :
P001-WC001

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	22.2	16.8	25.2

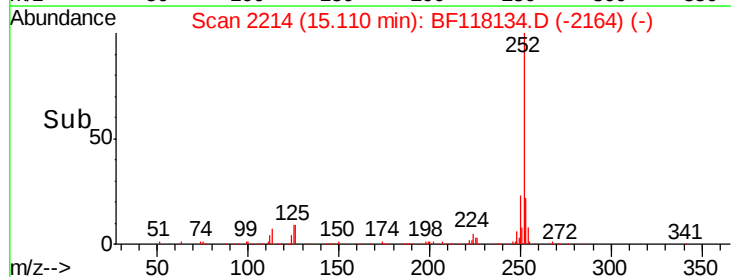
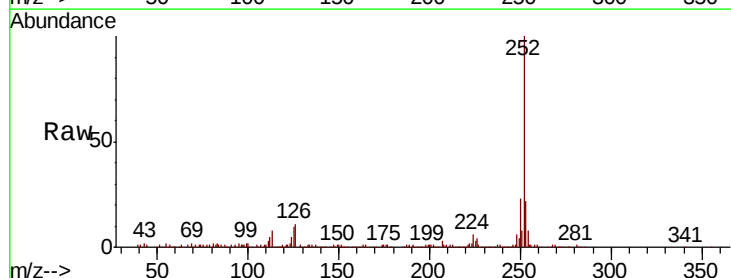
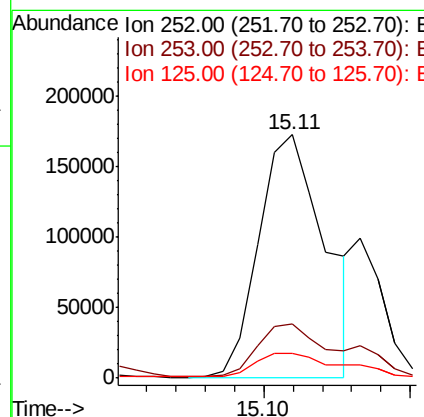
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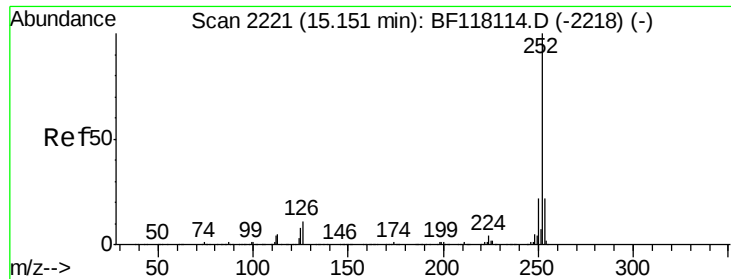
mohammad
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#88
Benzo(b)fluoranthene
Concen: 13.788 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	10.3	8.3	12.5





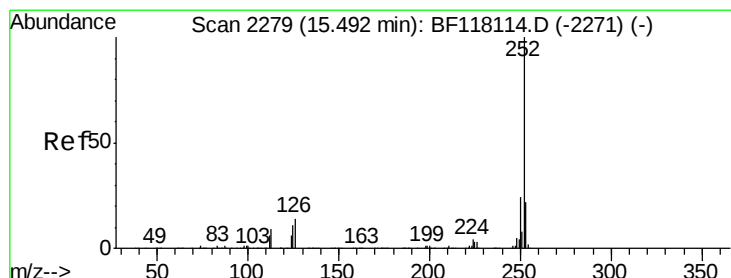
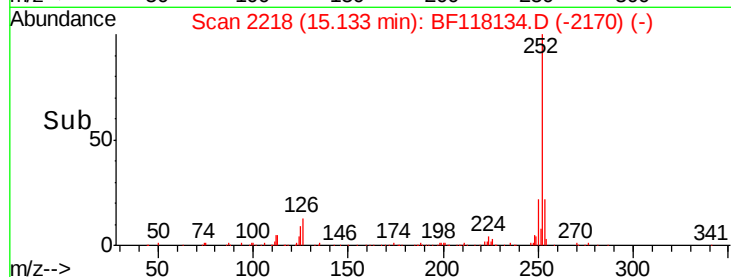
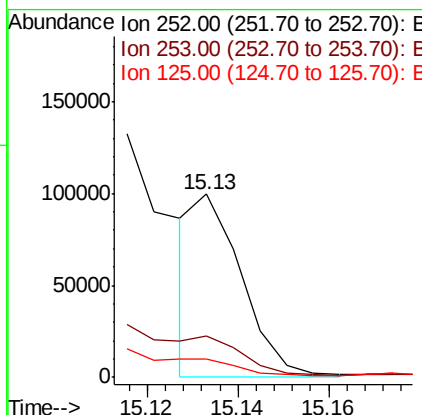
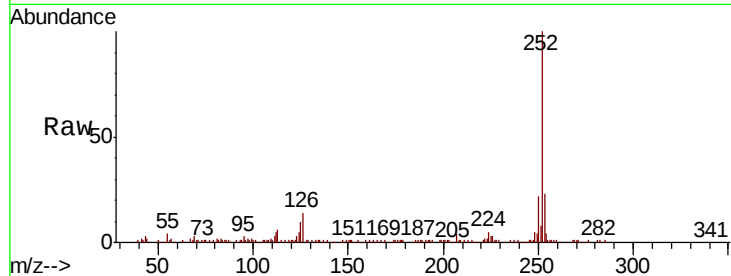
#89
Benzo(k)fluoranthene
Concen: 3.814 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.02 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Instrument :
BNA_F
ClientSampleId :
P001-WC001

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	9.8	6.7	10.1

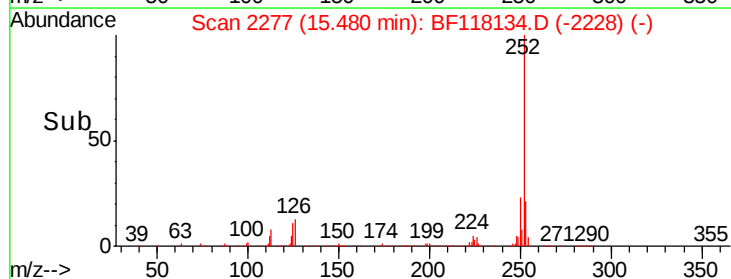
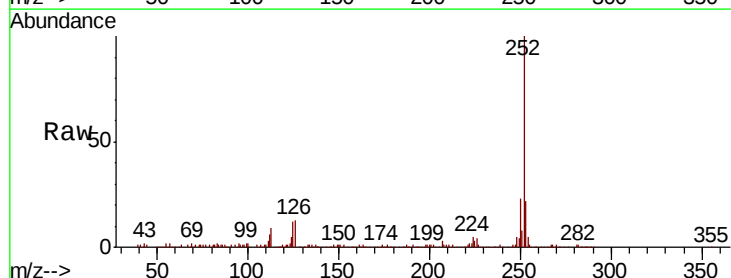
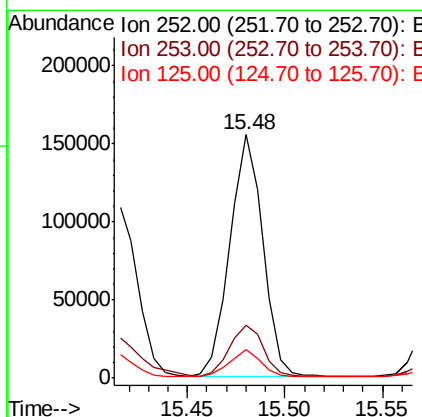
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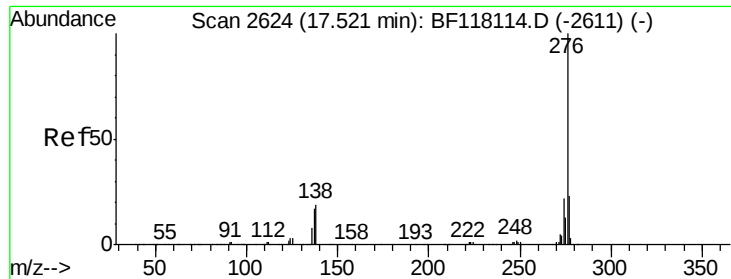
mohammad
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#90
Benzo(a)pyrene
Concen: 10.475 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BF118134.D
Acq: 7 Dec 2019 17:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	11.7	9.1	13.7





#92
 Benzo(a,h,i)perylene
 Concen: 6.930 ng
 RT: 17.50 min Scan# 2620
 Delta R.T. -0.02 min
 Lab File: BF118134.D
 Acq: 7 Dec 2019 17:35

Instrument :
 BNA_F
 ClientSampleId :
 P001-WC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	24.0	18.2		27.4	
138	21.9	15.5		23.3	

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