

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
 Data File : BF117914.D
 Acq On : 21 Nov 2019 16:06
 Operator : JU
 Sample : K5937-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-1488-RT4221-RBR200031

Manual Integrations
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Quant Time: Nov 22 00:30:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	155382	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	616308	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	337153	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	646596	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	451214	20.00	ng	-0.01
87) Perylene-d12	15.62	264	512071	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	650116	74.06	ng	0.00
7) Phenol-d6	6.53	99	974777	92.07	ng	-0.01
23) Nitrobenzene-d5	7.47	82	608163	58.66	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	305209	85.51	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1222589	65.06	ng	-0.01
79) Terphenyl-d14	13.05	244	1423200	57.65	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.67	163	286816	12.131	ng	99
71) Phenanthrene	11.48	178	252173	7.757	ng	96
75) Fluoranthene	12.67	202	532572	12.567	ng	99
78) Pyrene	12.90	202	431083	11.822	ng	98
81) Benzo(a)anthracene	14.10	228	212683	7.133	ng	97
83) Chrysene	14.13	228	291532	10.090	ng	98
84) Bis(2-ethylhexyl)phthalate	14.09	149	1837584	96.778	ng	100
86) Indeno(1,2,3-cd)pyrene	17.14	276	136862	5.566	ng	94
88) Benzo(b)fluoranthene	15.17	252	337985m	10.159	ng	
89) Benzo(k)fluoranthene	15.20	252	116122m	3.704	ng	
90) Benzo(a)pyrene	15.55	252	196788	6.727	ng	98
92) Benzo(a,h,i)perylene	17.60	276	116232	4.634	ng	97

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

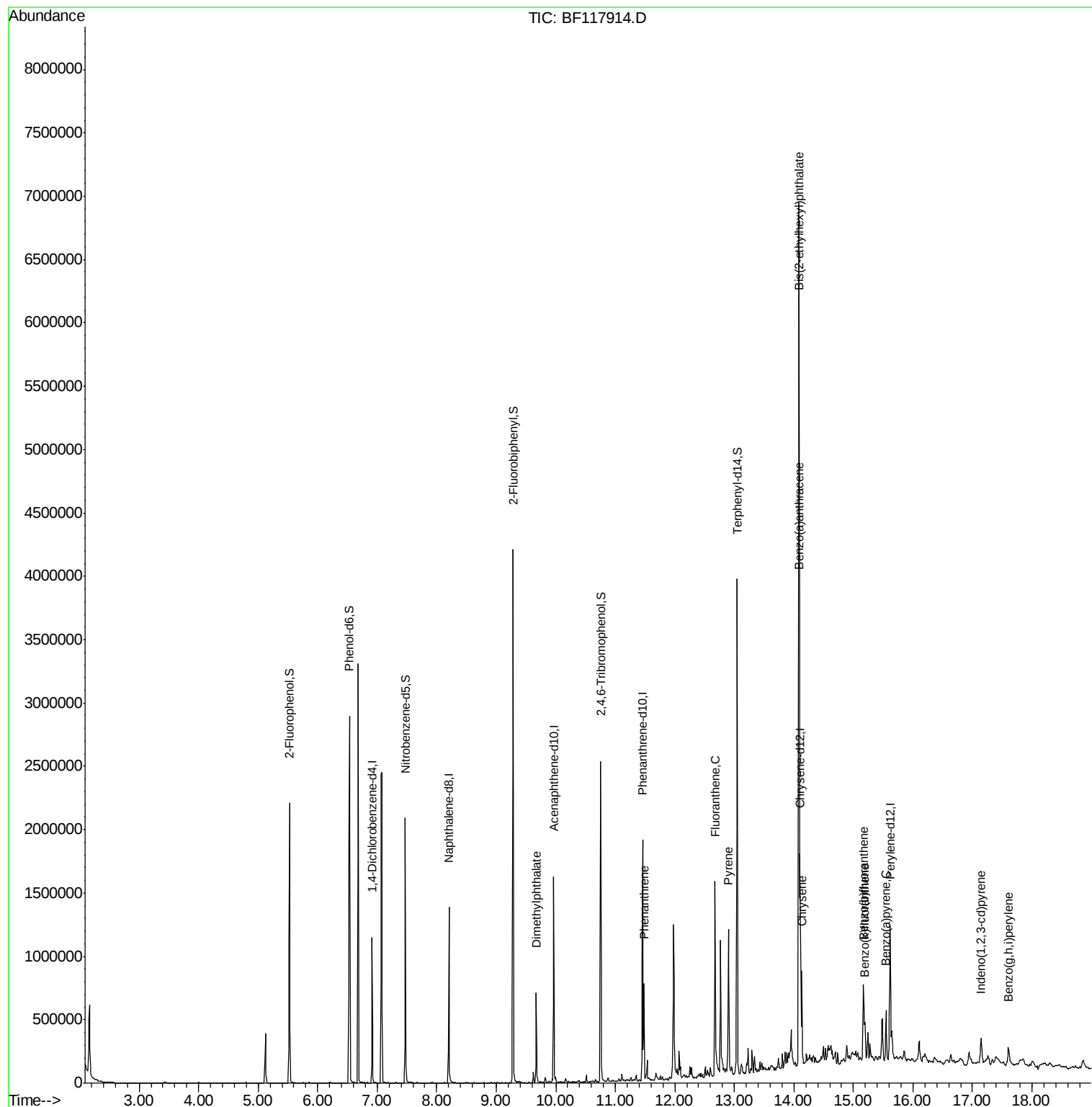
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
Data File : BF117914.D
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ALS Vial : 16 Sample Multiplier: 1

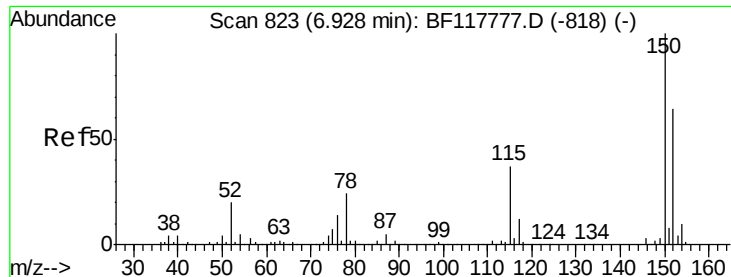
Instrument :
BNA_F
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RT-1488-RT4221-RBR200031

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#1

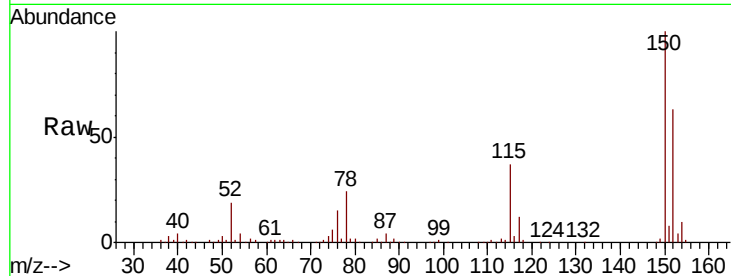
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Instrument :
BNA_F
ClientSampleId :
RT-1488-RT4221-RBR200031

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	125.3	187.9
115	59.7	47.0	70.4

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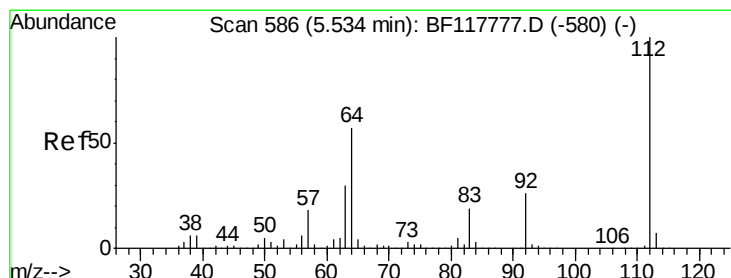
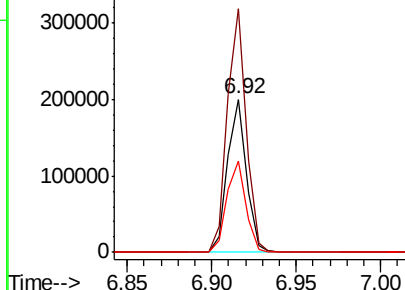
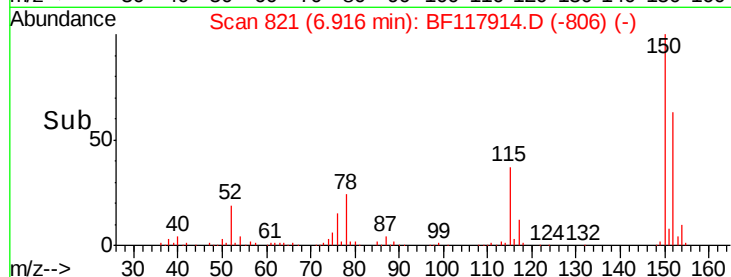


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

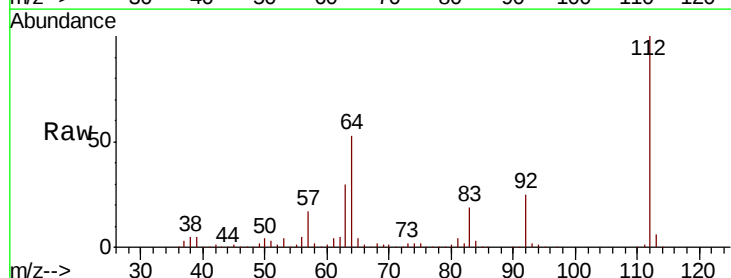
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 74.061 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	45.6	68.4
63	29.7	24.1	36.1

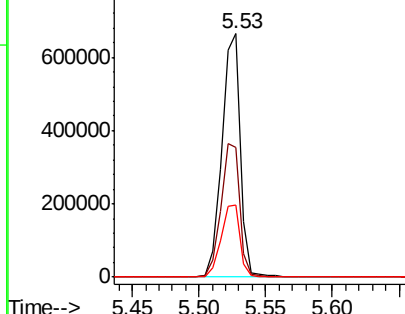
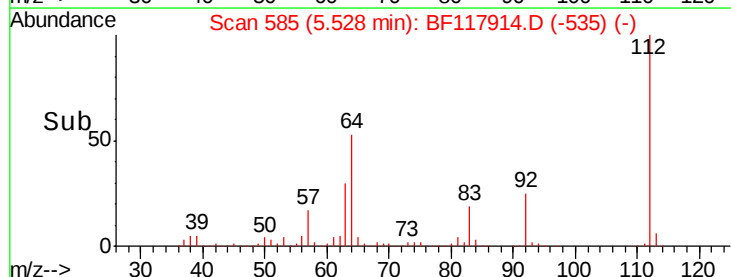


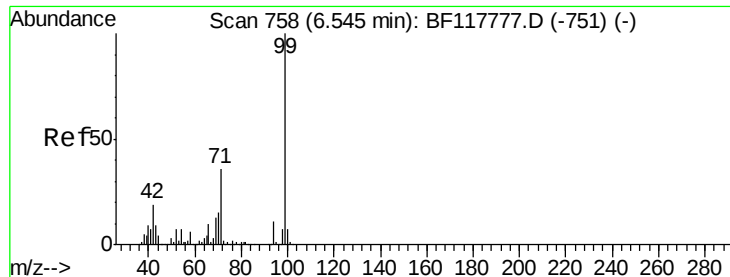
Abundance

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: 92.066 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117914.D

Acq: 21 Nov 2019 16:06

Instrument :

BNA_F

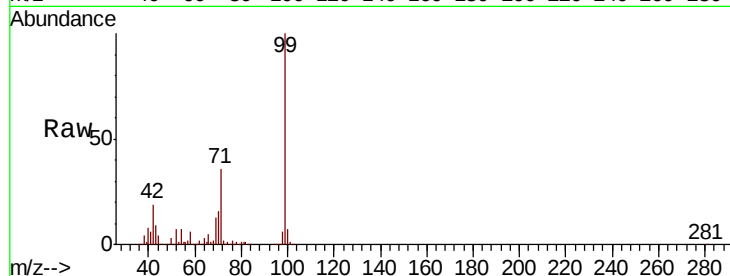
ClientSampleId :

RT-1488-RT4221-RBR200031

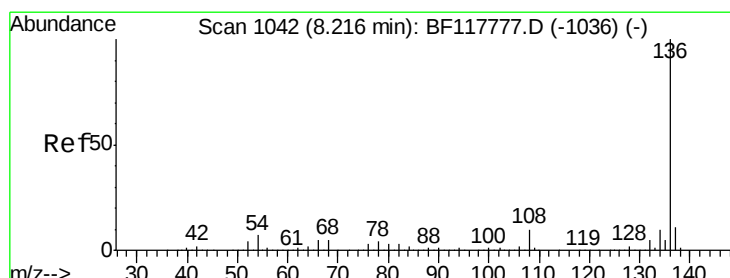
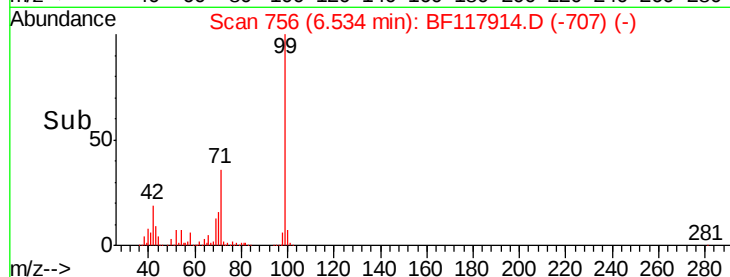
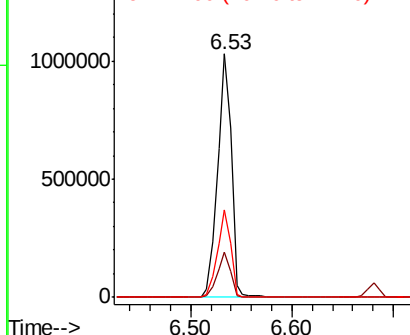
Tot Ion:	99	Resp:	974777
Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.9	22.3
71	36.1	28.6	43.0

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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: 8.20 min Scan# 1040

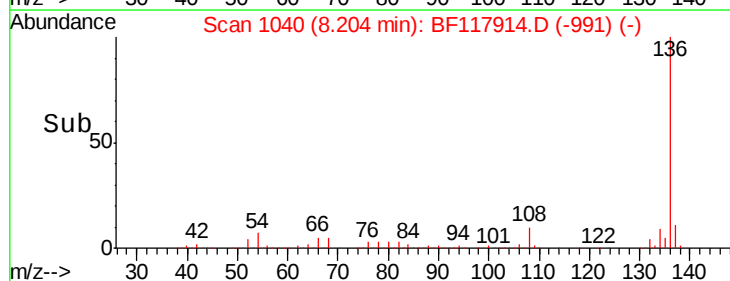
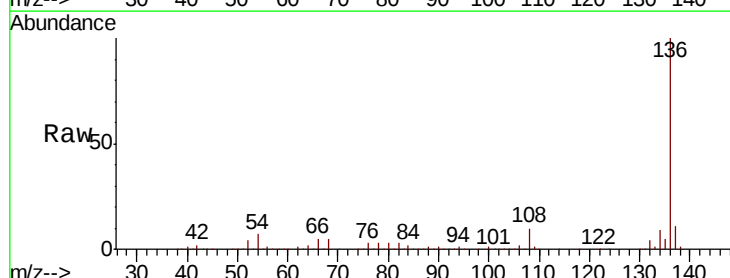
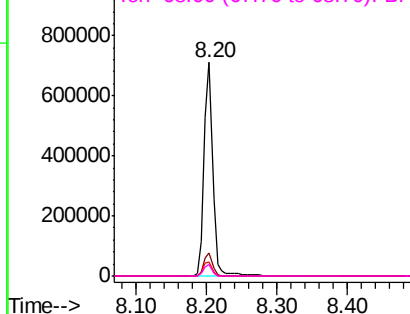
Delta R.T. -0.01 min

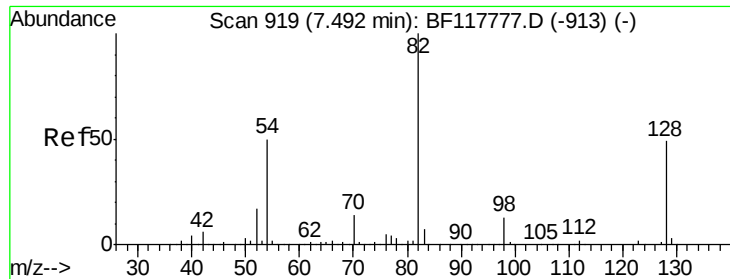
Lab File: BF117914.D

Acq: 21 Nov 2019 16:06

Tgt Ion:	136	Resp:	616308
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.5	5.4	8.2
68	5.2	4.3	6.5

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





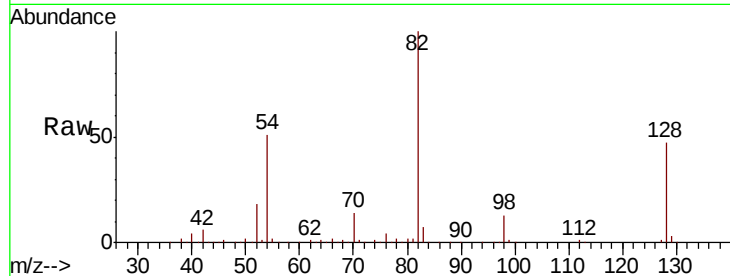
#23
Nitrobenzene-d5
Concen: 58.660 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Instrument :
BNA_F
ClientSampleId :
RT-1488-RT4221-RBR200031

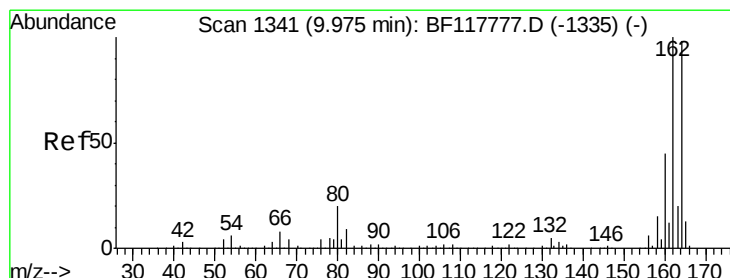
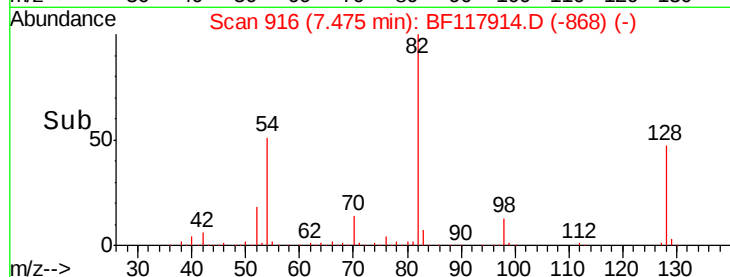
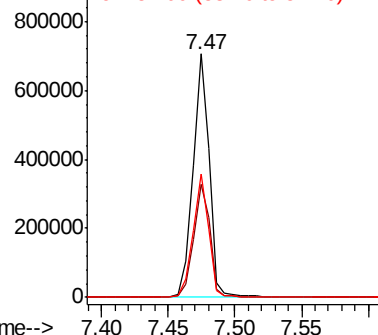
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	38.9	58.3
54	50.8	39.8	59.6

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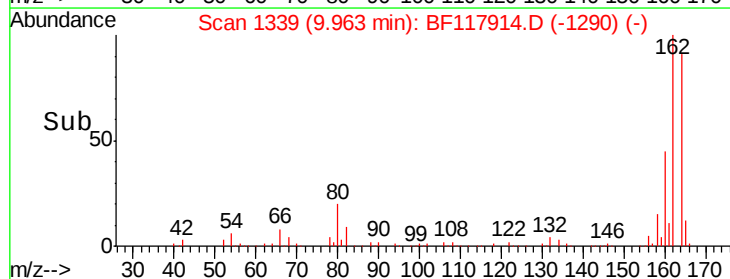
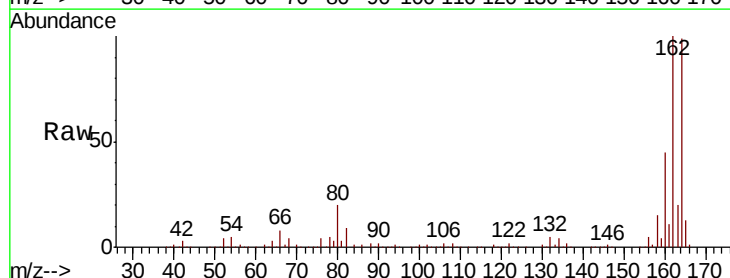
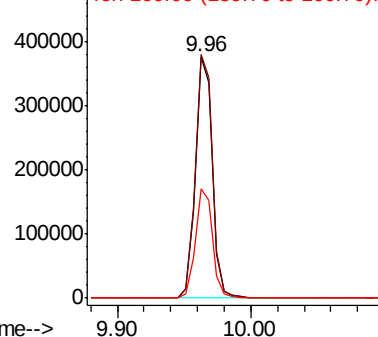
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

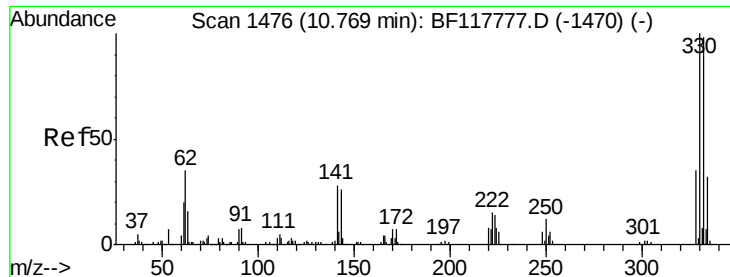


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.3	121.9
160	45.3	36.6	55.0

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: 85.507 ng

RT: 10.76 min Scan# 1474

Delta R.T. -0.01 min

Lab File: BF117914.D

Acq: 21 Nov 2019 16:06

Instrument :

BNA_F

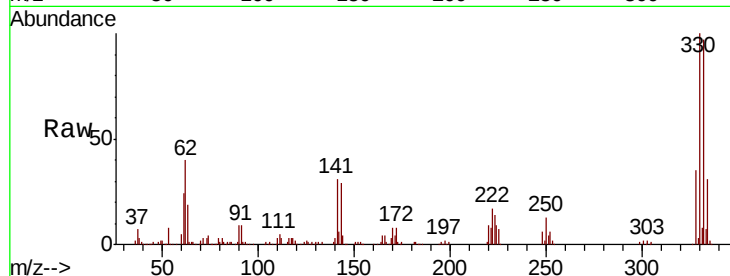
ClientSampleId :

RT-1488-RT4221-RBR200031

Tot Ion:	330	Resp:	305209
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.7	115.1
141	35.0	27.7	41.5

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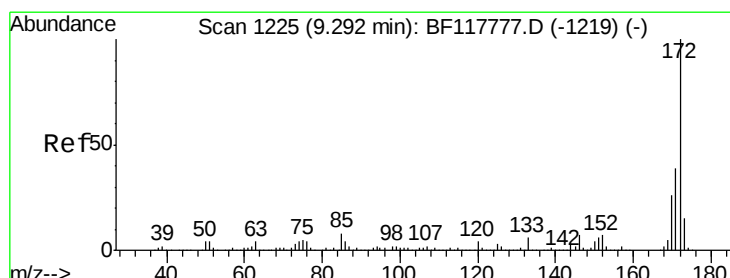
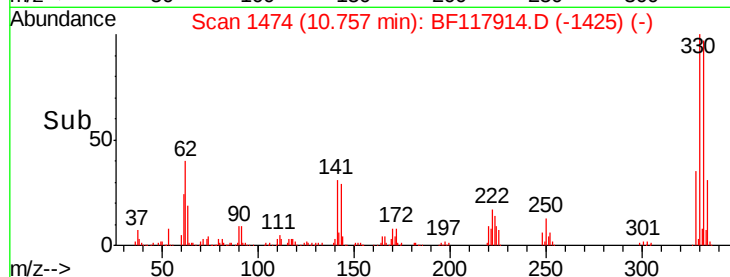
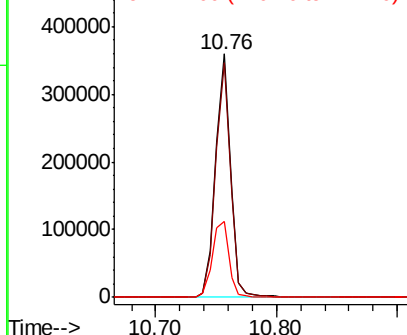


Abundance

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: 65.056 ng

RT: 9.28 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF117914.D

Acq: 21 Nov 2019 16:06

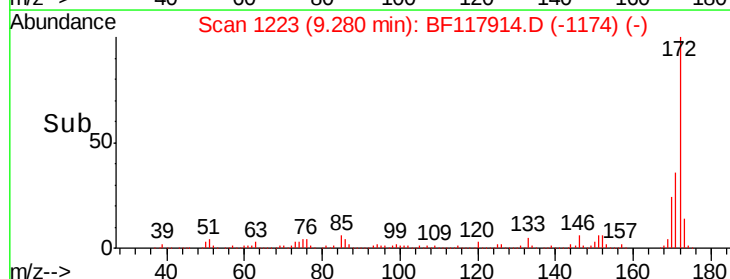
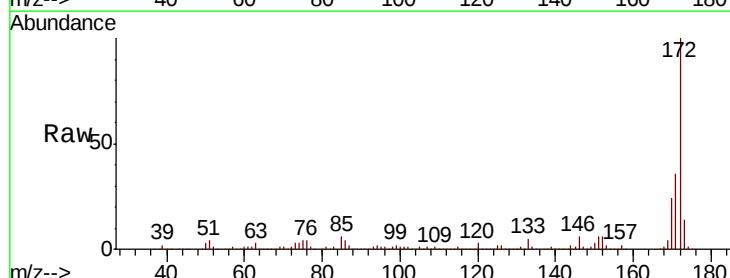
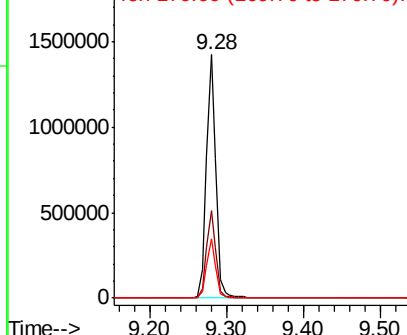
Tgt Ion:	172	Resp:	1222589
Ion Ratio	Lower	Upper	
172	100		
171	35.9	30.9	46.3
170	24.3	21.0	31.4

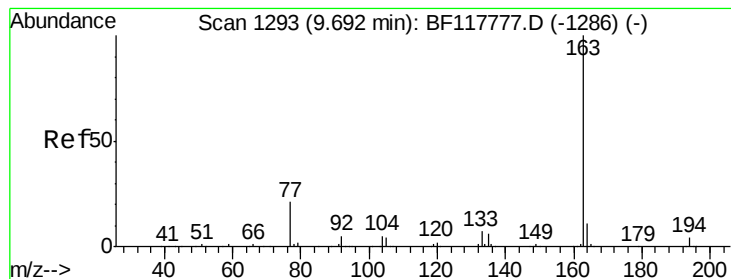
Abundance

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: 12.131 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF117914.D

Acq: 21 Nov 2019 16:06

Instrument :

BNA_F

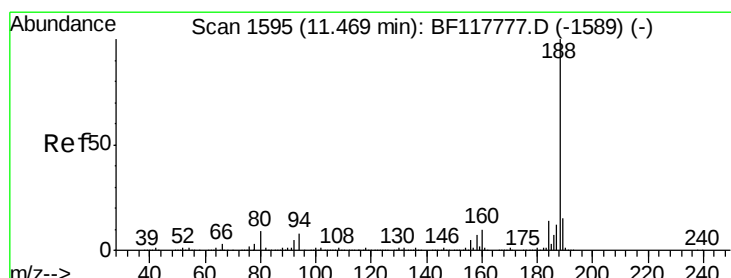
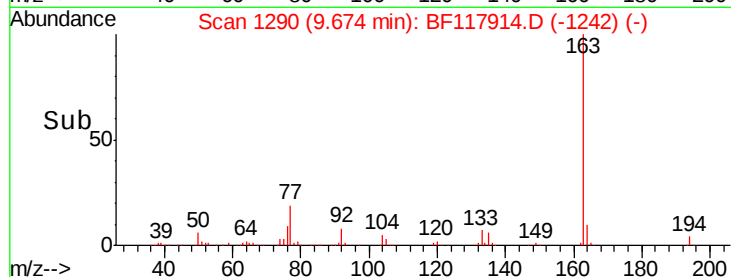
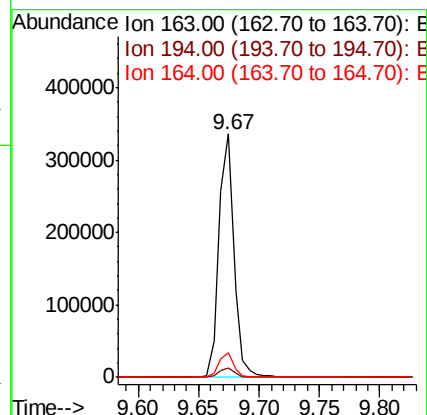
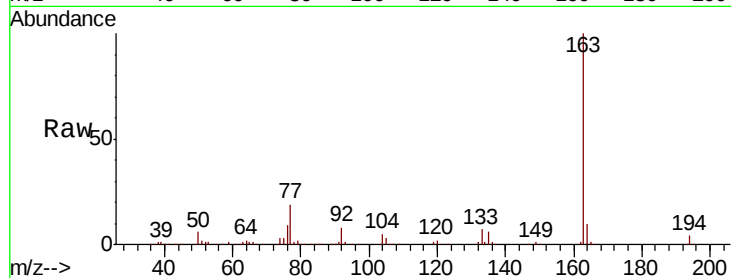
ClientSampleId :

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Tot Ion:	163	Resp:	286816
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.3	4.9
164	10.2	8.7	13.1

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#64

Phenanthrene-d10

Concen: 20.000 ng

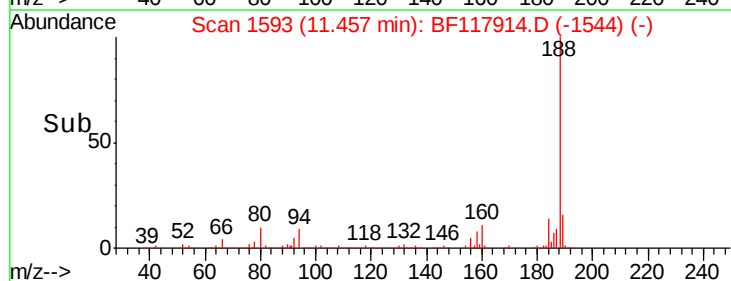
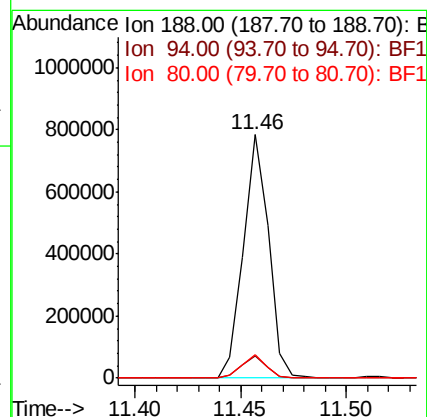
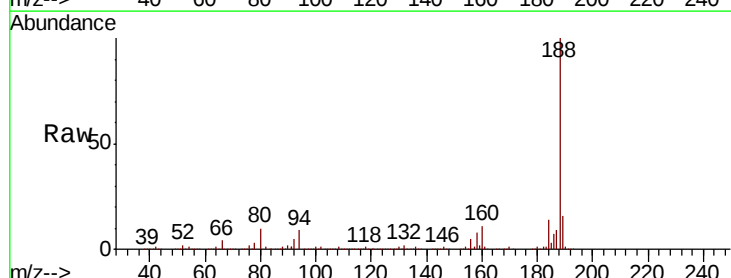
RT: 11.46 min Scan# 1593

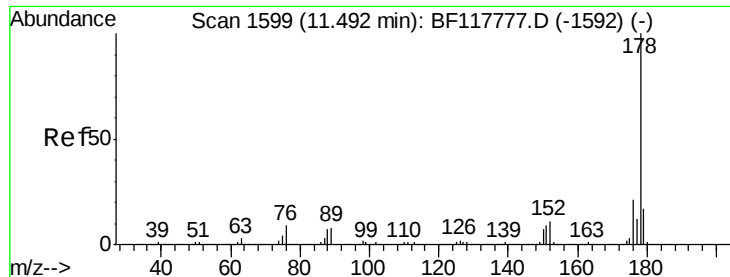
Delta R.T. -0.01 min

Lab File: BF117914.D

Acq: 21 Nov 2019 16:06

Tgt Ion:	188	Resp:	646596
Ion Ratio	Lower	Upper	
188	100		
94	9.1	6.6	10.0
80	9.5	7.2	10.8





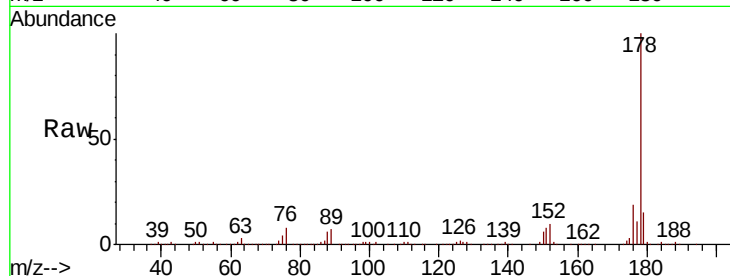
#71
Phenanthrene
Concen: 7.757 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Instrument :
BNA_F
ClientSampleId :
RT-1488-RT4221-RBR200031

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.6	25.0
179	15.4	13.2	19.8

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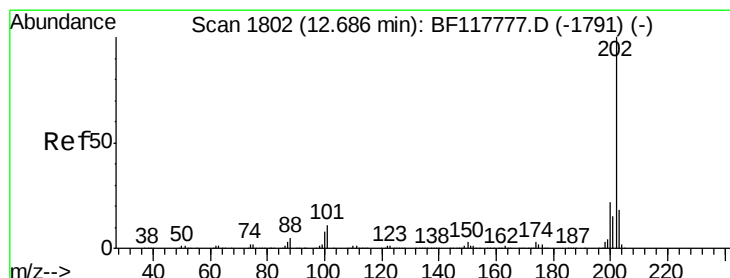
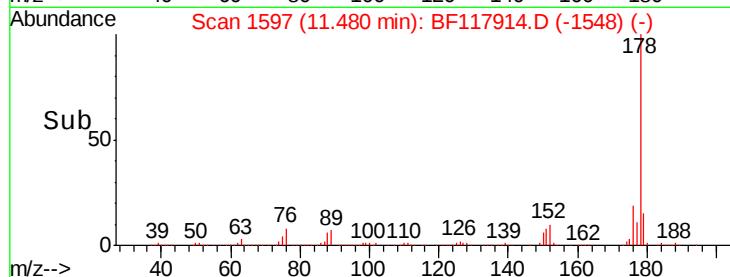
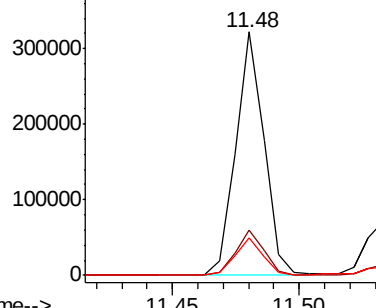


Abundance

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: 12.567 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

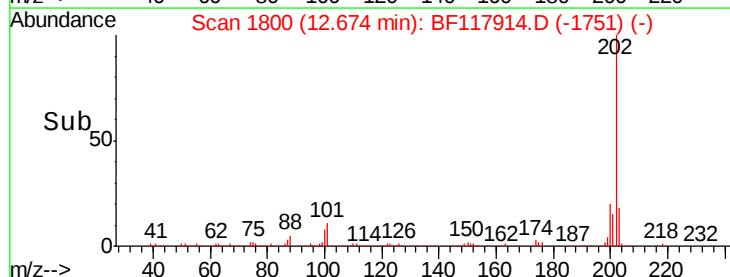
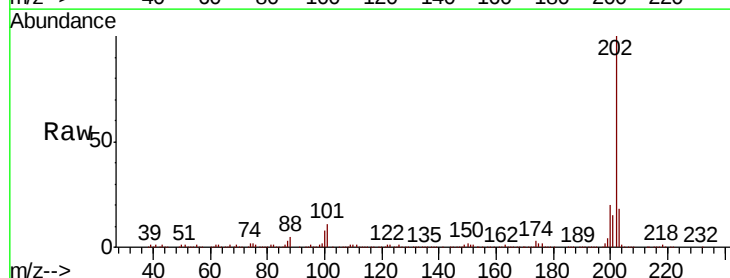
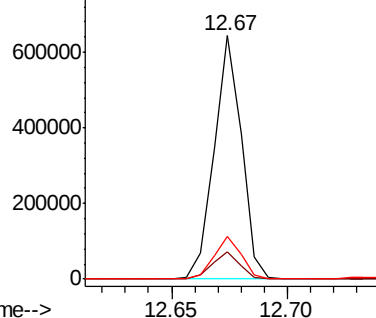
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.1
203	17.7	0.0	38.2

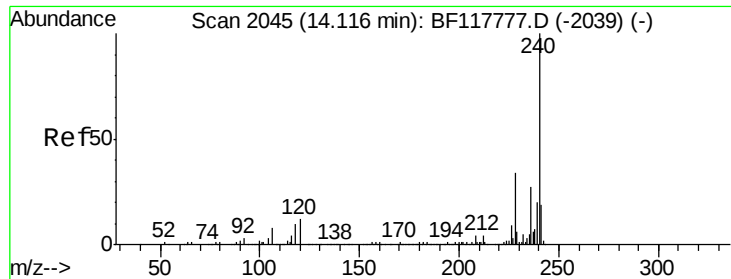
Abundance

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





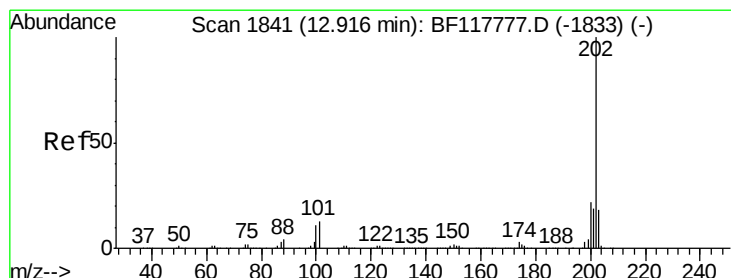
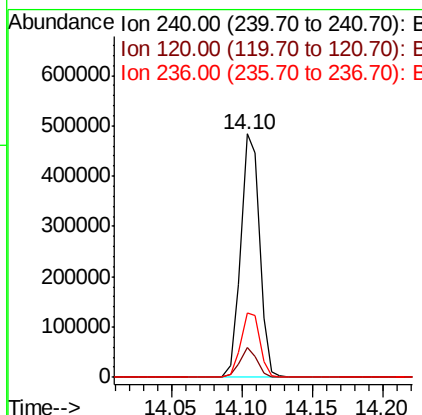
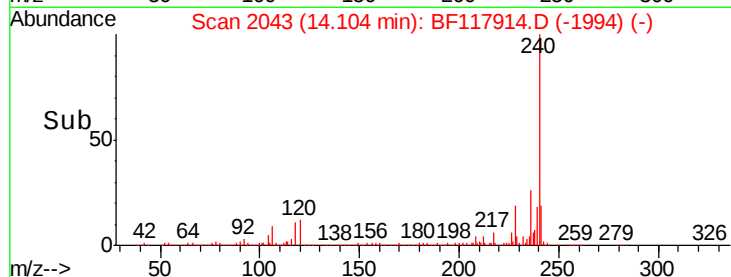
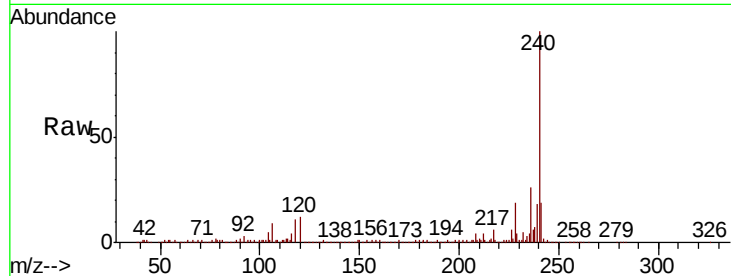
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Instrument :
BNA_F
ClientSampleId :
RT-1488-RT4221-RBR200031

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.5	14.3
236	26.3	21.3	31.9

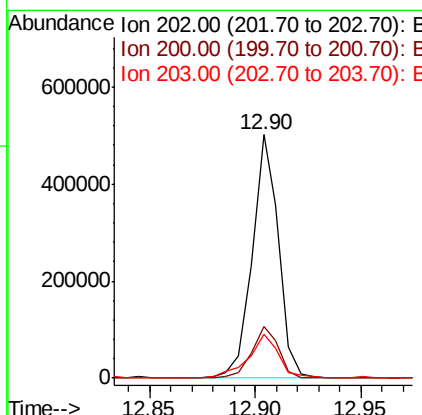
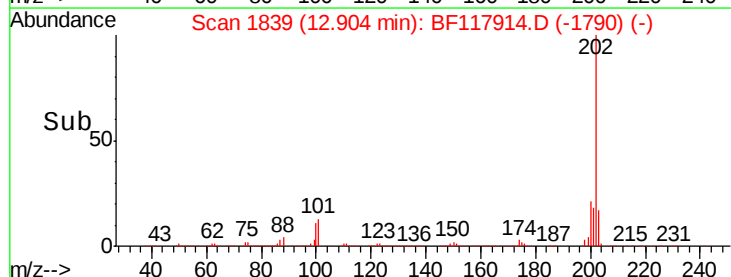
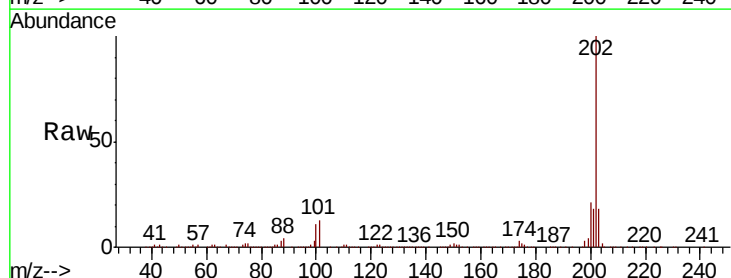
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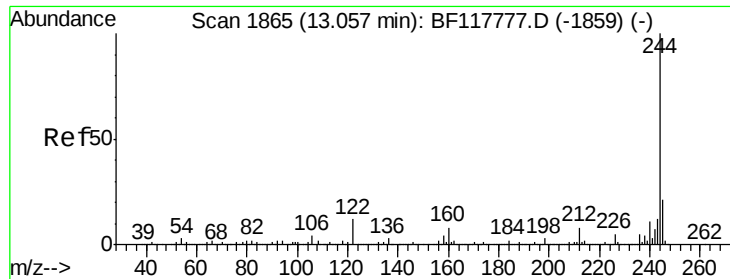
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#78
Pyrene
Concen: 11.822 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.8	26.8
203	17.8	14.6	22.0





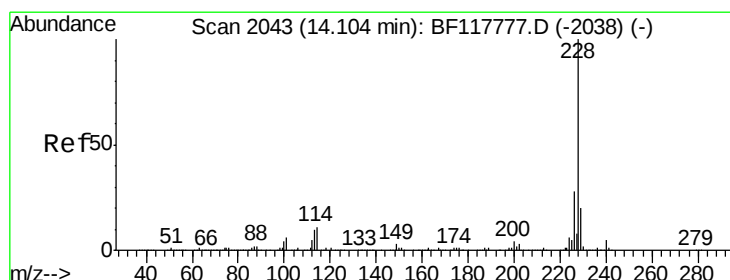
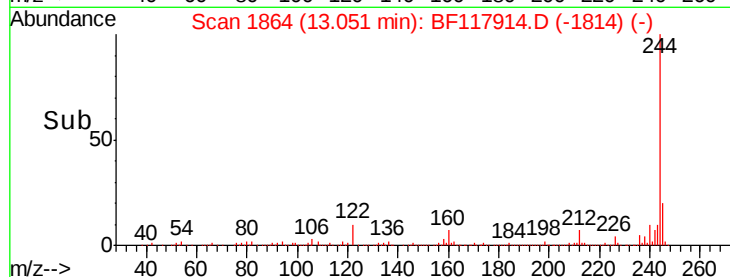
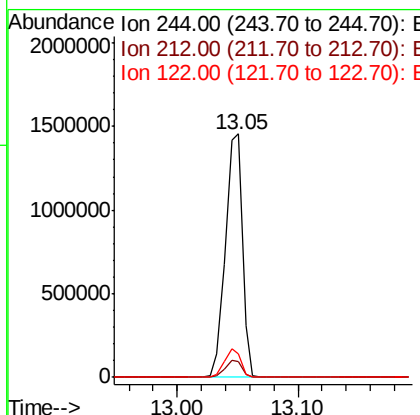
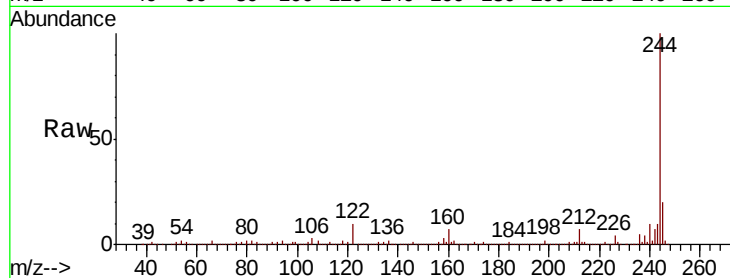
#79
 Terphenyl-d14
 Concen: 57.646 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF117914.D
 Acq: 21 Nov 2019 16:06

Instrument :
 BNA_F
 ClientSampleId :
 RT-1488-RT4221-RBR200031

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.3	9.5
122	9.5	9.4	14.2

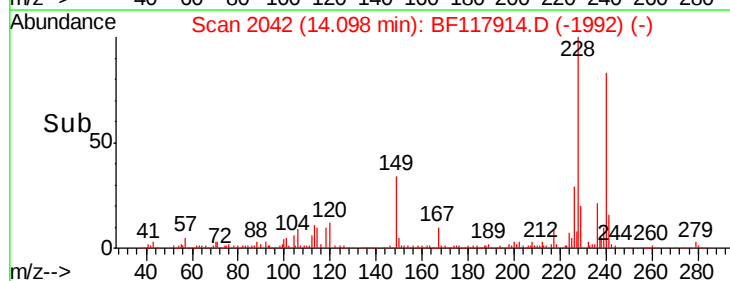
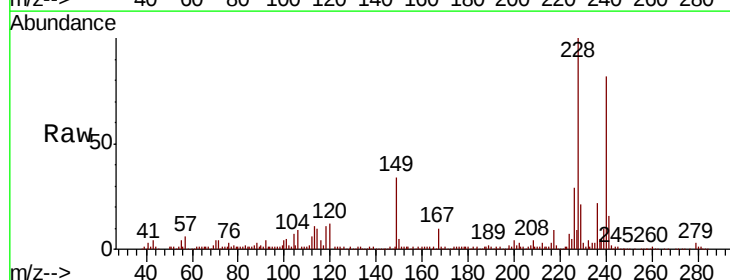
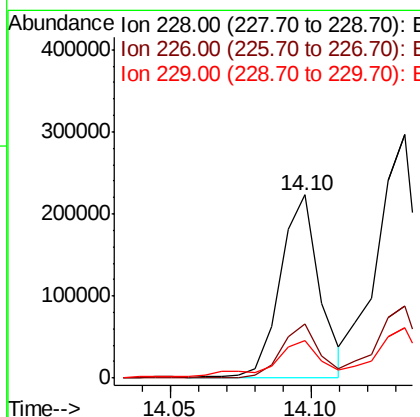
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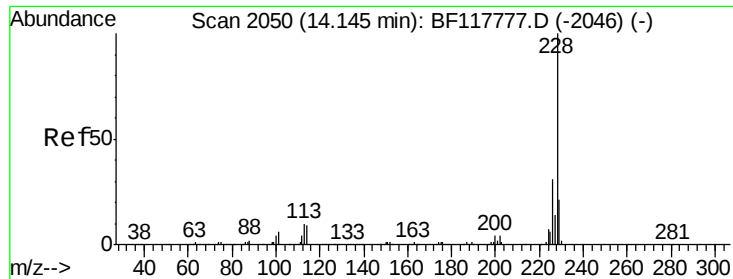
mohammad
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#81
 Benzo(a)anthracene
 Concen: 7.133 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.01 min
 Lab File: BF117914.D
 Acq: 21 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.2	33.2
229	20.7	15.9	23.9





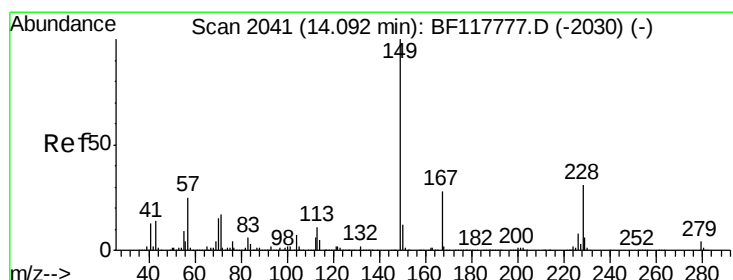
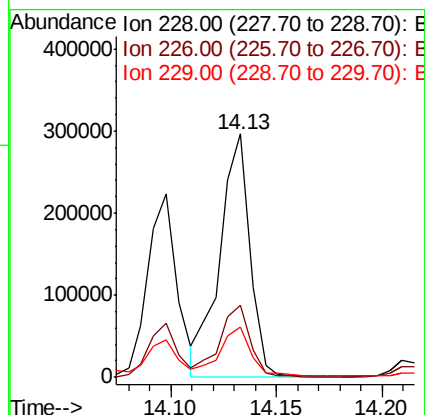
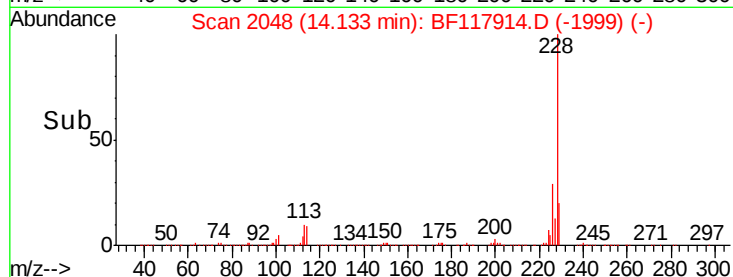
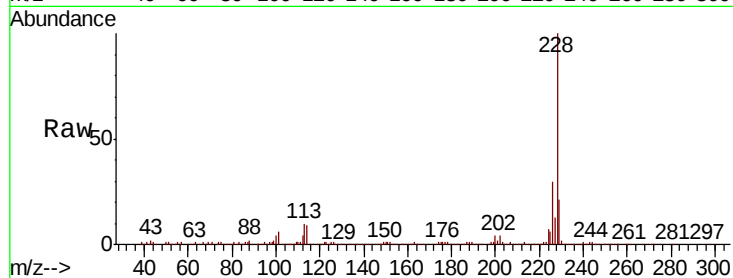
#83
 Chrysene
 Concen: 10.090 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: BF117914.D
 Acq: 21 Nov 2019 16:06

Instrument :
 BNA_F
 ClientSampleId :
 RT-1488-RT4221-RBR200031

Tot Ion:	228	Resp:	291532
Ion Ratio	Lower	Upper	
228	100		
226	29.5	25.0	37.4
229	20.9	16.6	25.0

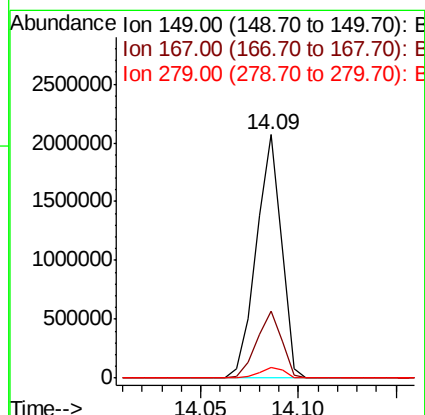
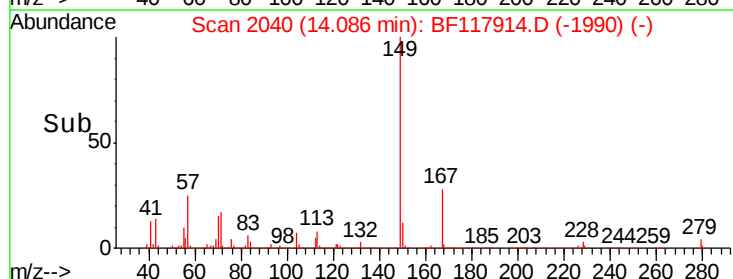
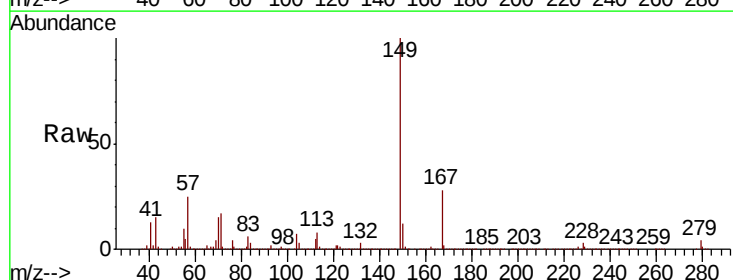
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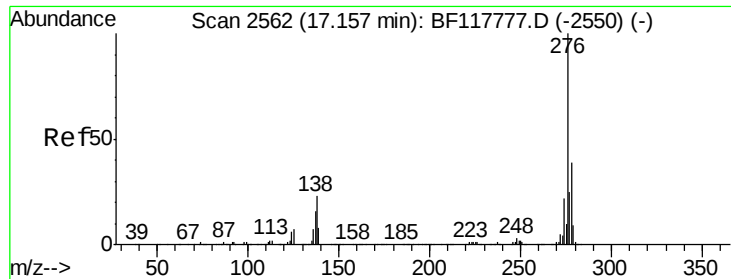
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 96.778 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. -0.01 min
 Lab File: BF117914.D
 Acq: 21 Nov 2019 16:06

Tgt Ion:	149	Resp:	1837584
Ion Ratio	Lower	Upper	
149	100		
167	27.5	22.2	33.2
279	4.4	3.4	5.2





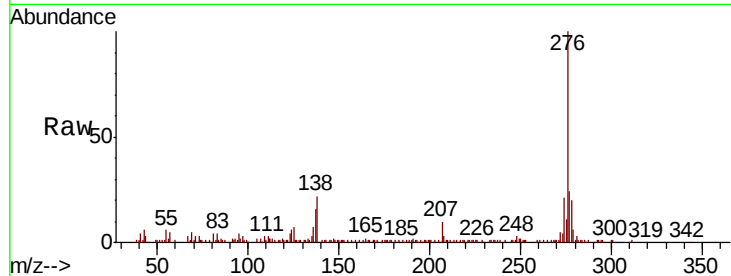
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.566 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. -0.01 min
 Lab File: BF117914.D
 Acq: 21 Nov 2019 16:06

Instrument :
 BNA_F
 ClientSampleId :
 RT-1488-RT4221-RBR200031

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.9	31.3
277	23.7	20.3	30.5

Manual Integrations
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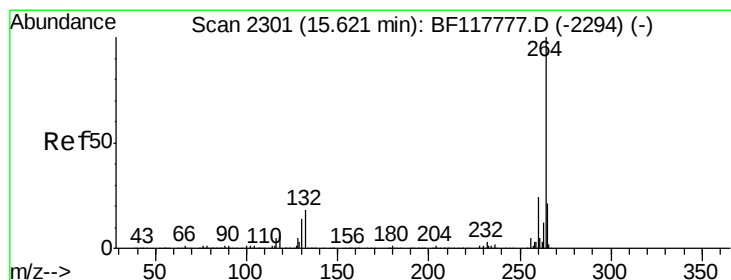
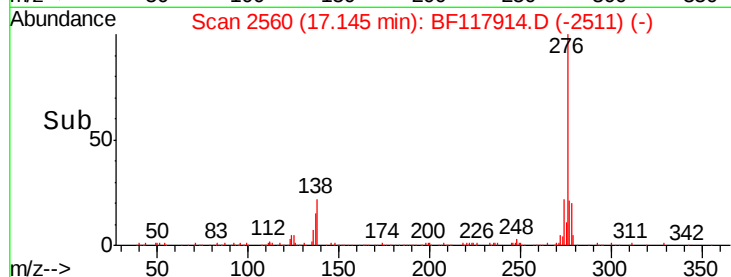
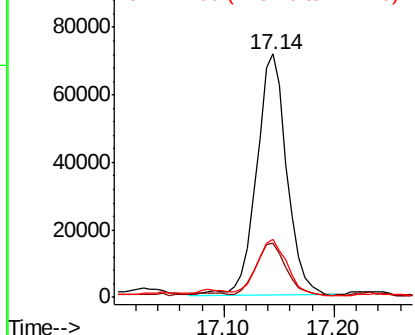


Abundance

Ion 276.00 (275.70 to 276.70): E

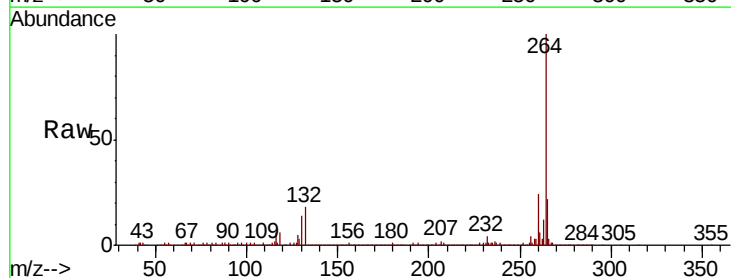
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.62 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BF117914.D
 Acq: 21 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.0
265	22.3	17.1	25.7

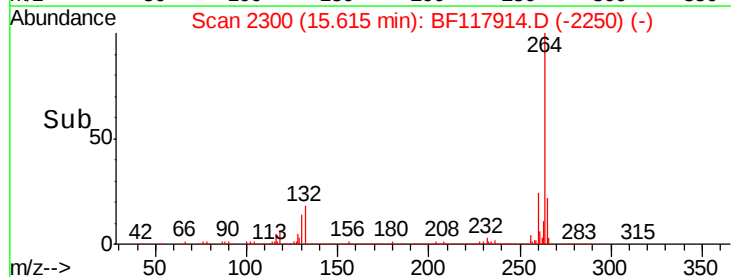
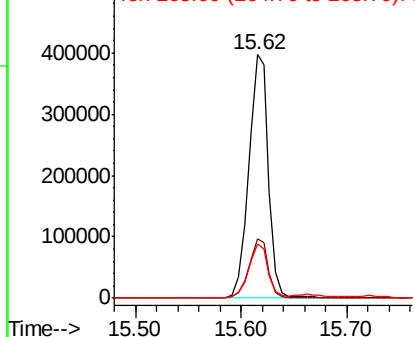


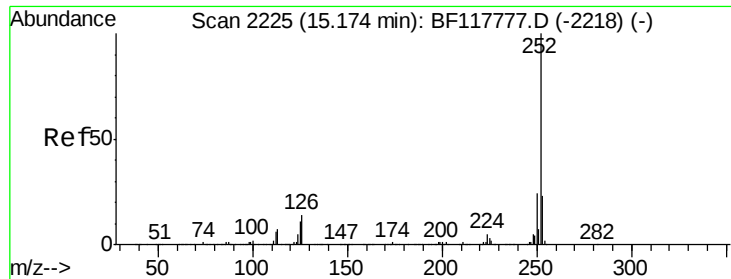
Abundance

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





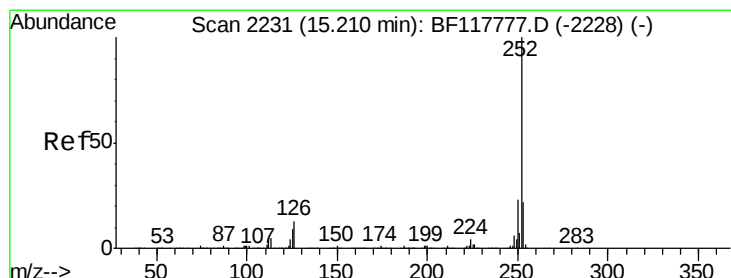
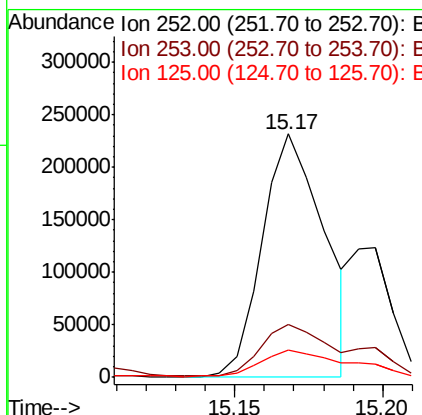
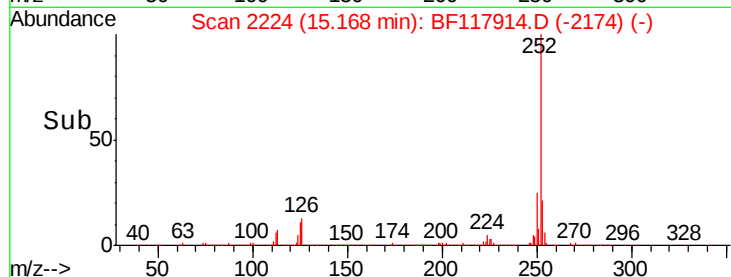
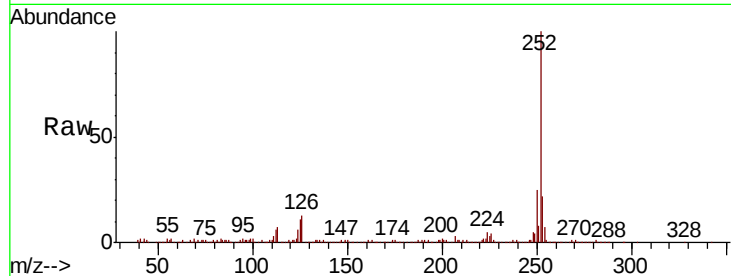
#88
Benzo(b)fluoranthene
Concen: 10.159 ng m
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Instrument :
BNA_F
ClientSampleId :
RT-1488-RT4221-RBR200031

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.0	27.0
125	11.3	8.6	13.0

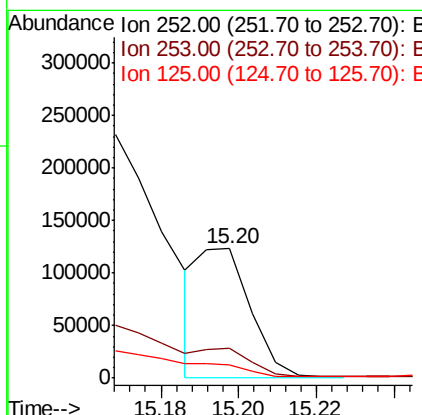
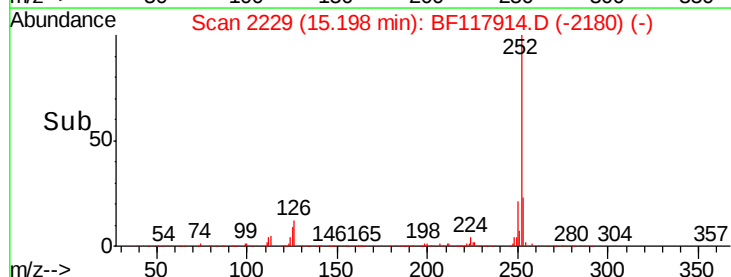
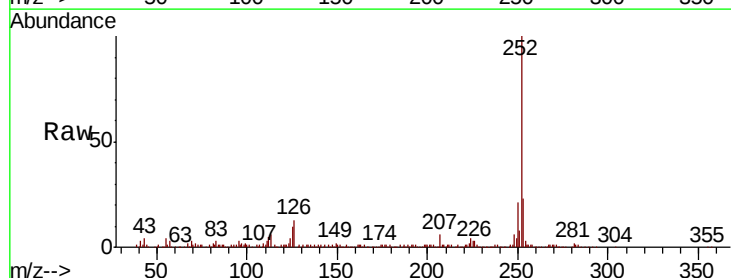
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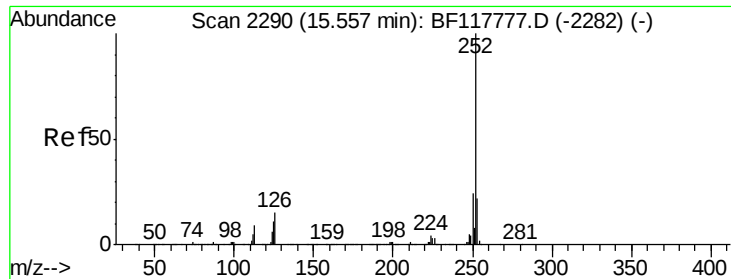
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#89
Benzo(k)fluoranthene
Concen: 3.704 ng m
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	9.9	7.9	11.9





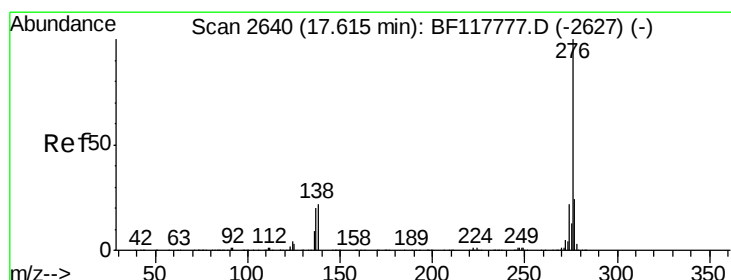
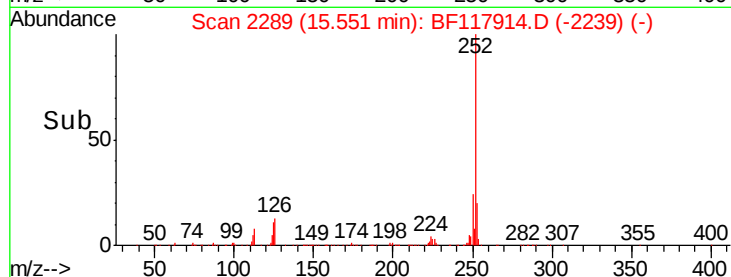
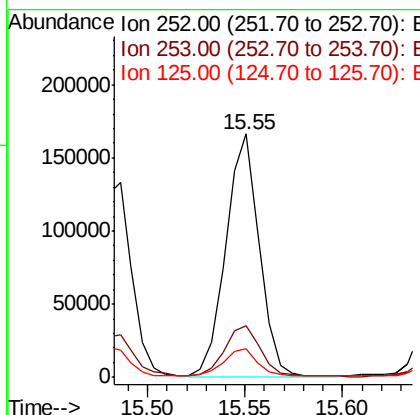
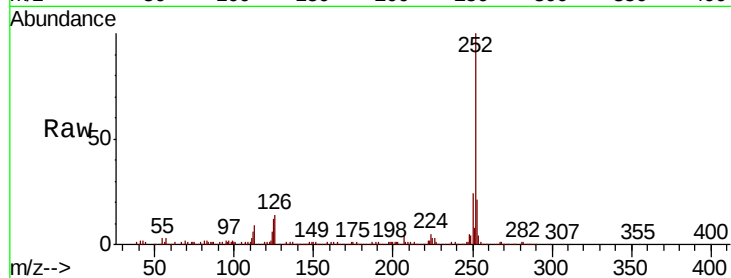
#90
Benzo(a)pyrene
Concen: 6.727 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Instrument :
BNA_F
ClientSampleId :
RT-1488-RT4221-RBR200031

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.8	26.6
125	11.9	9.2	13.8

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#92
Benzo(g,h,i)perylene
Concen: 4.634 ng
RT: 17.60 min Scan# 2638
Delta R.T. -0.01 min
Lab File: BF117914.D
Acq: 21 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.9	28.3
138	23.5	17.4	26.2

