

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
 Data File : BF118091.D
 Acq On : 4 Dec 2019 17:32
 Operator : JU
 Sample : K6119-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-(0-2)

Manual Integrations
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mohammad
 12/5/2019 10:50:44 AM

Quant Time: Dec 05 01:25:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	143638	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	632964	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	268788	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	488549	20.00	ng	0.00
76) Chrysene-d12	14.07	240	303475	20.00	ng	0.00
87) Perylene-d12	15.57	264	305701	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	920488	113.44	ng	0.01
7) Phenol-d6	6.50	99	1176458	120.20	ng	0.00
23) Nitrobenzene-d5	7.44	82	701534	65.89	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	302830	106.42	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1348723	90.02	ng	0.00
79) Terphenyl-d14	13.01	244	1107834	66.72	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	34855	3.427	ng	99
50) Dimethylphthalate	9.63	163	142912	7.582	ng	100
71) Phenanthrene	11.44	178	222112	9.043	ng	99
75) Fluoranthene	12.64	202	350917	9.803	ng	97
78) Pyrene	12.87	202	291337	11.879	ng	99
81) Benzo(a)anthracene	14.06	228	147292	7.345	ng	98
83) Chrysene	14.10	228	132437	6.815	ng	99
86) Indeno(1,2,3-cd)pyrene	17.07	276	96036	5.807	ng	97
88) Benzo(b)fluoranthene	15.13	252	181713m	9.149	ng	
89) Benzo(k)fluoranthene	15.15	252	48969m	2.617	ng	
90) Benzo(a)pyrene	15.50	252	121011	6.929	ng	99
92) Benzo(a,h,i)perylene	17.53	276	89382	5.970	ng	99

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

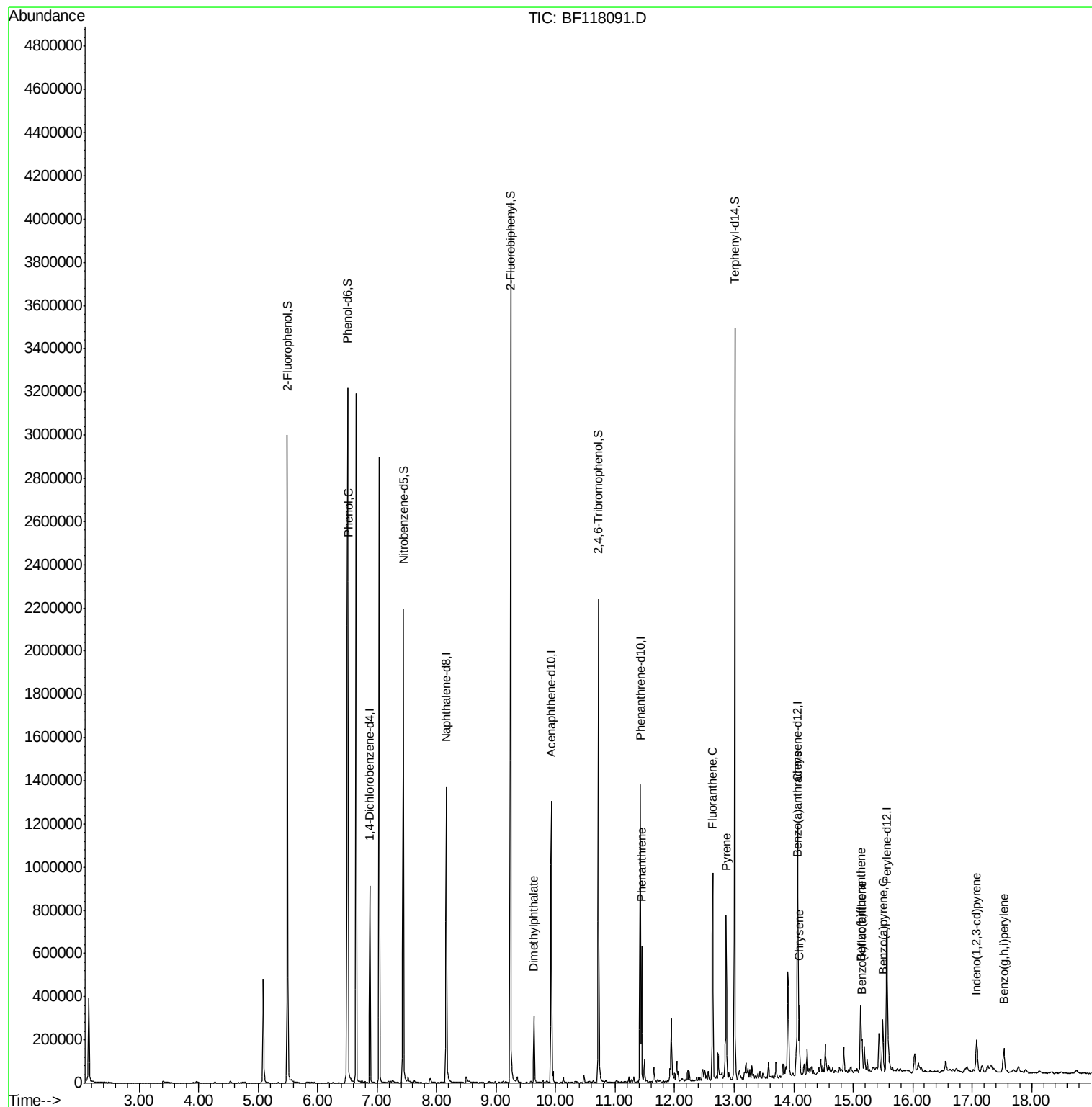
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
Data File : BF118091.D
Acq On : 4 Dec 2019 17:32
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Misc :
ALS Vial : 10 Sample Multiplier: 1

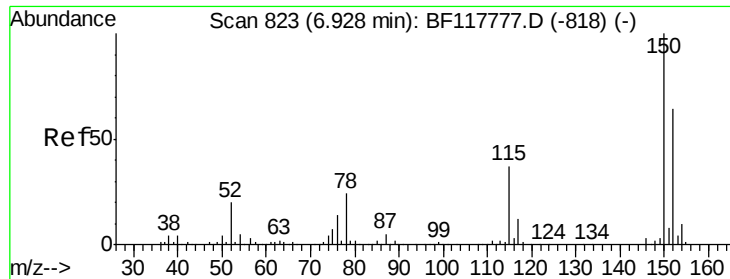
Instrument :
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#1

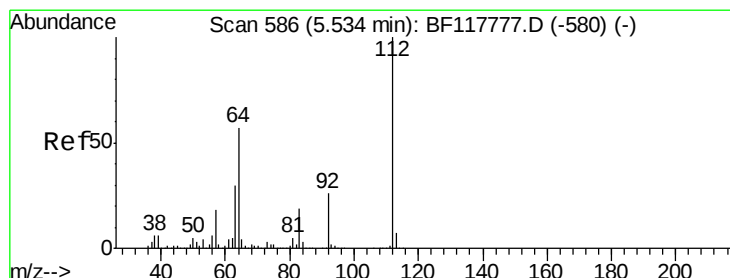
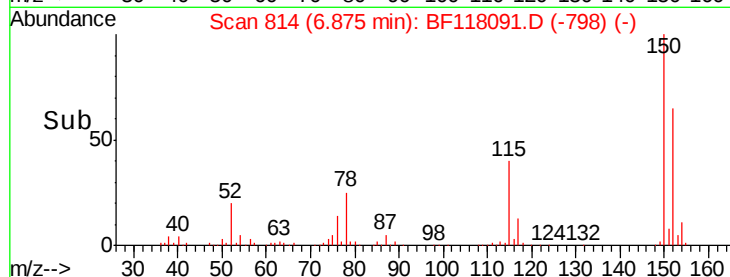
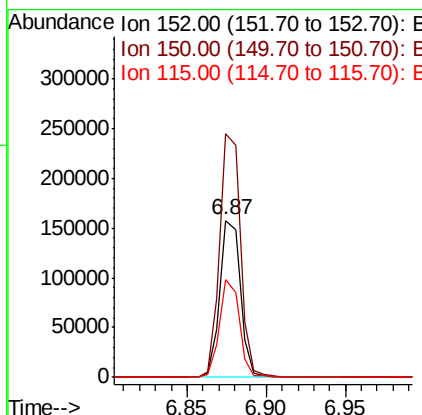
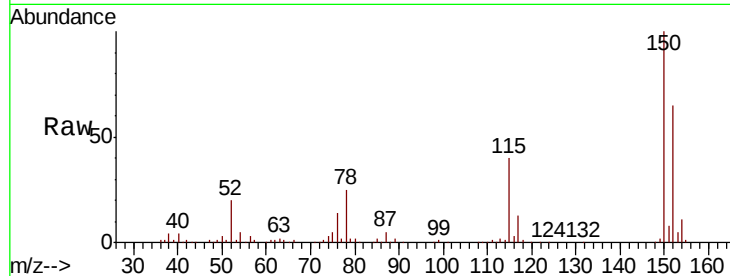
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Instrument :
BNA_F
ClientSampleId :
SB-2-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	121.4	182.2
115	62.2	48.8	73.2

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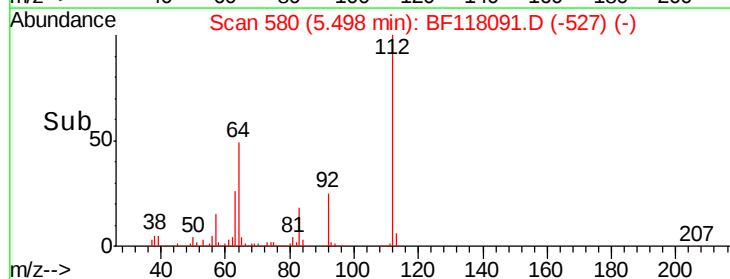
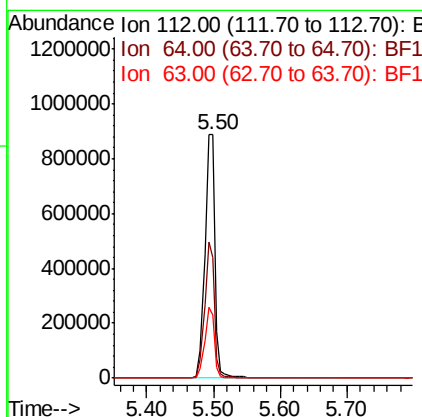
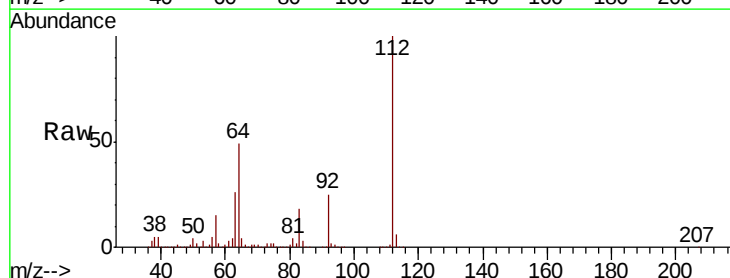
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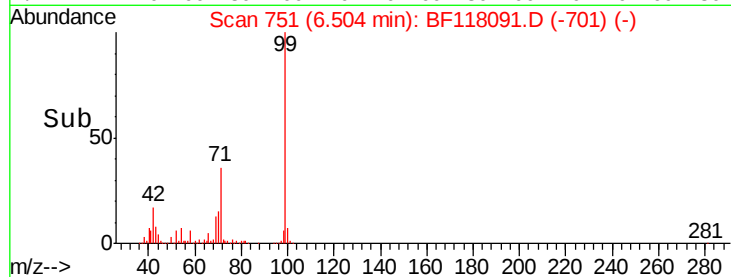
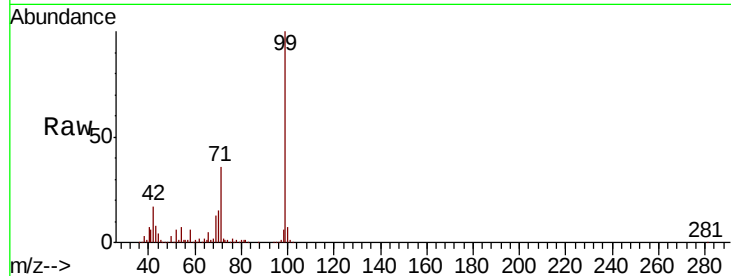
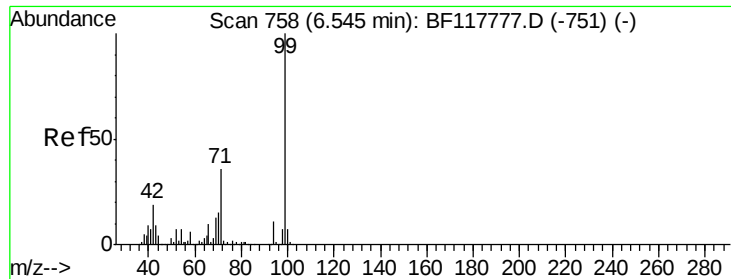


#5

2-Fluorophenol
Concen: 113.435 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.4	45.1	67.7
63	26.0	24.6	37.0





#7

Phenol-d6

Concen: 120.199 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118091.D

Acq: 4 Dec 2019 17:32

Tot Ion: 99 Resp: 1176458

Ion Ratio Lower Upper

99 100

42 17.2 14.0 21.0

71 36.5 29.2 43.8

Instrument :

BNA_F

ClientSampled :

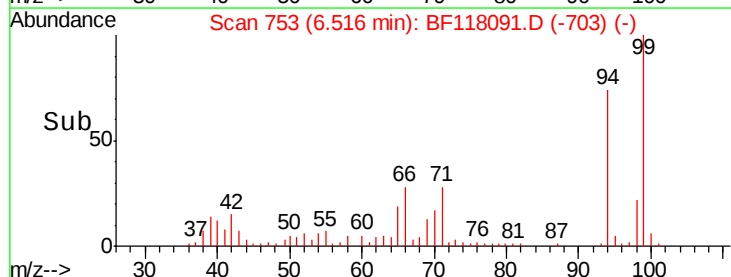
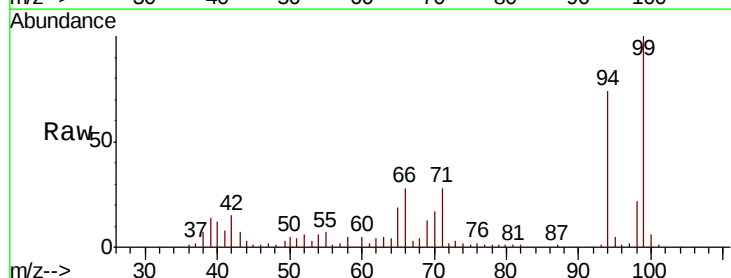
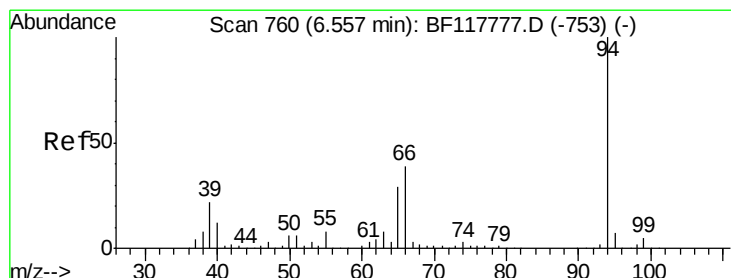
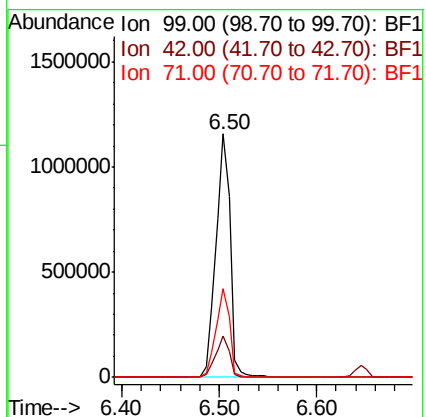
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#10

Phenol

Concen: 3.427 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118091.D

Acq: 4 Dec 2019 17:32

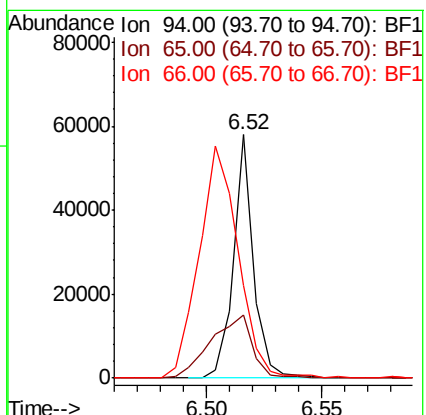
Tgt Ion: 94 Resp: 34855

Ion Ratio Lower Upper

94 100

65 25.7 6.9 46.9

66 38.2 18.6 58.6





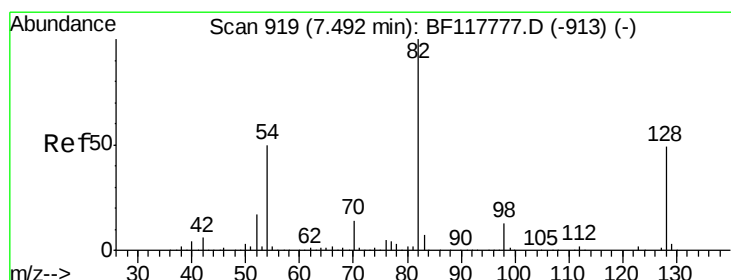
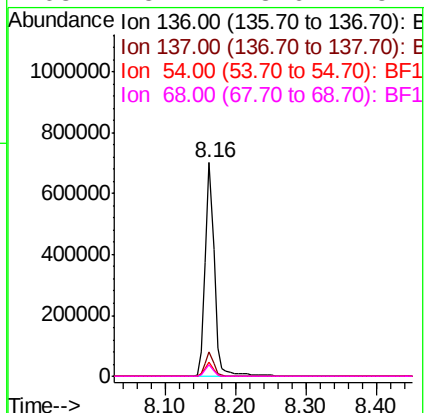
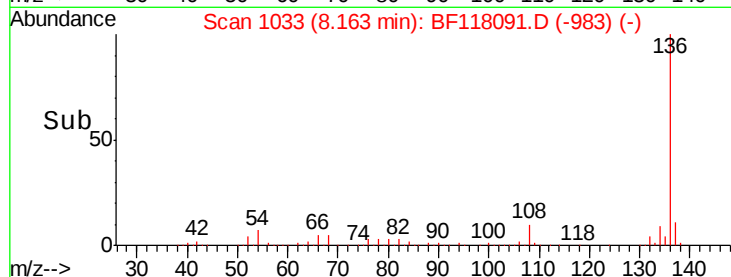
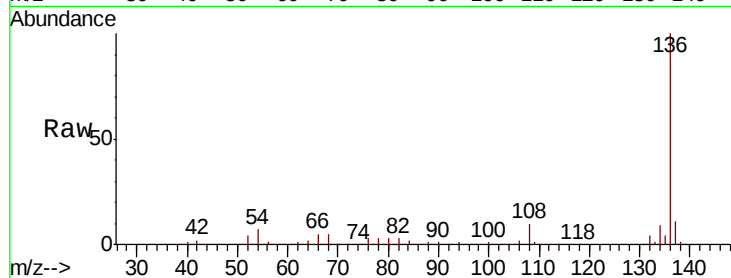
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Instrument :
BNA_F
ClientSampled :
SB-2-(0-2)

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.5	4.9	7.3
68	5.4	3.6	5.4#

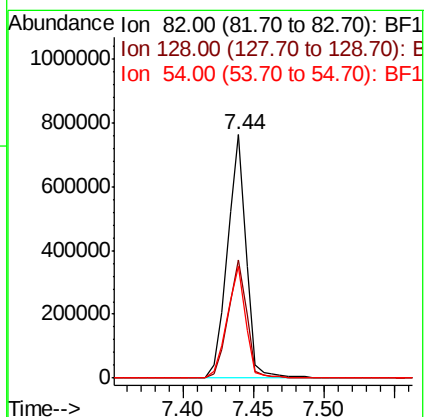
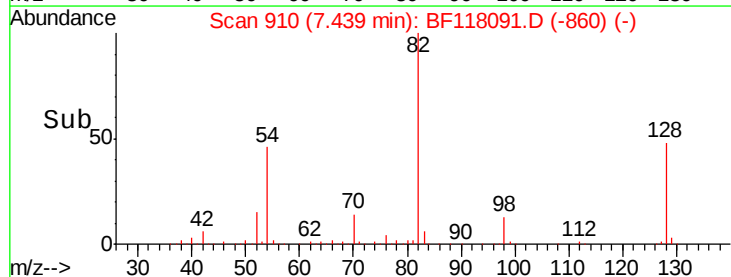
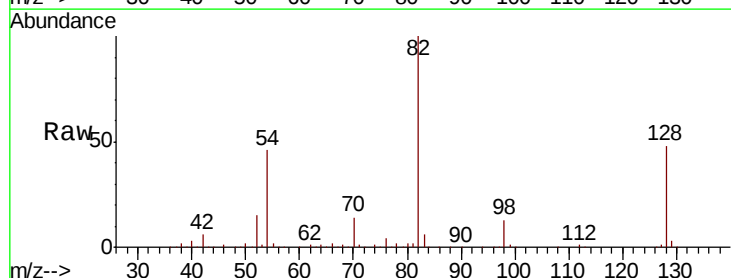
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#23
Nitrobenzene-d5
Concen: 65.886 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.3	38.2	57.4
54	45.7	39.0	58.4





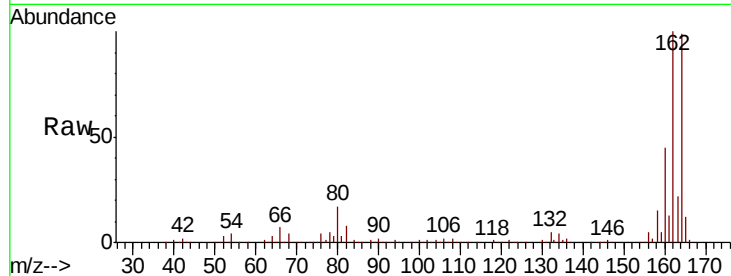
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Instrument :
BNA_F
ClientSampleId :
SB-2-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	268788		
162	100.8	81.8	122.8	
160	45.2	35.9	53.9	

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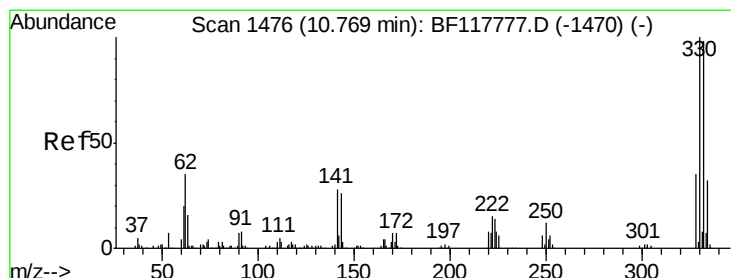
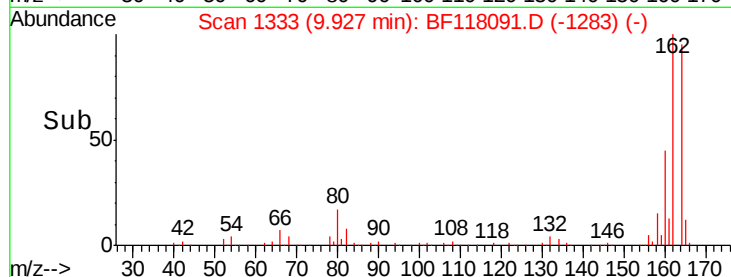
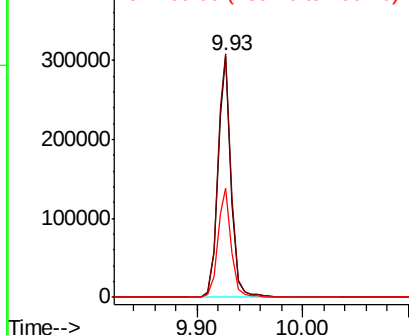


Abundance

Ion 164.00 (163.70 to 164.70): E

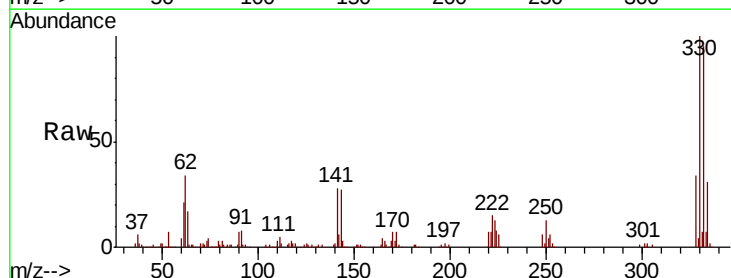
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 106.419 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.00 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	302830		
332	96.4	78.3	117.5	
141	32.4	26.4	39.6	

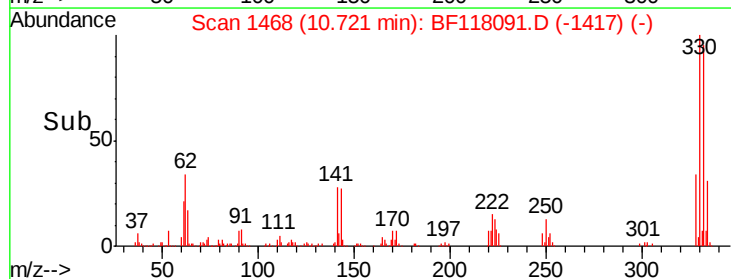
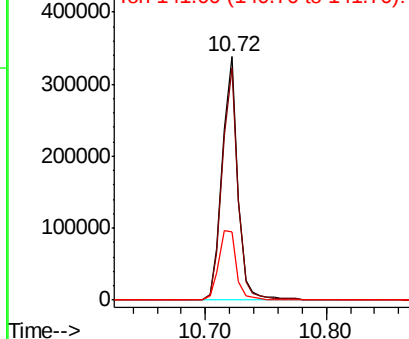


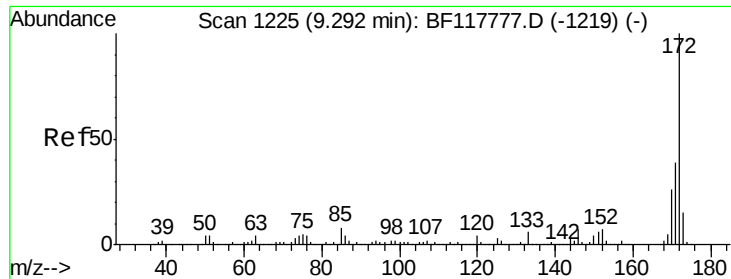
Abundance

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





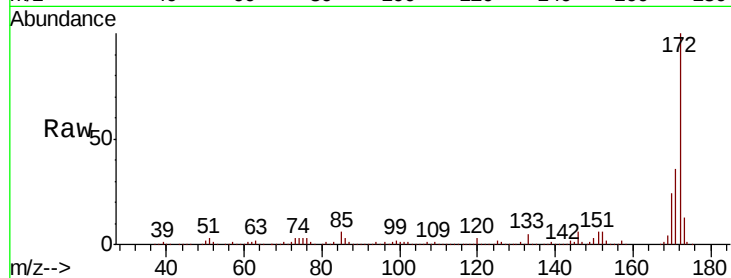
#45
2-Fluorobiphenyl
Concen: 90.021 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.00 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	24.0	19.3	28.9

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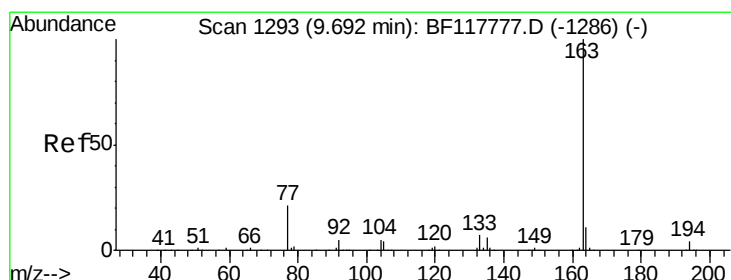
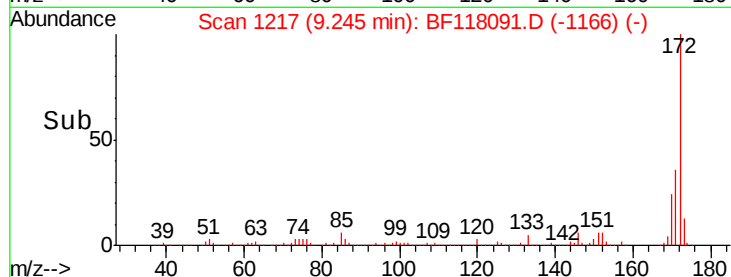
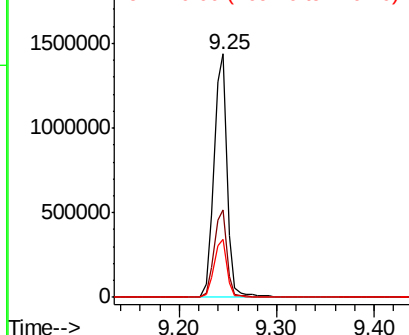


Abundance

Ion 172.00 (171.70 to 172.70): E

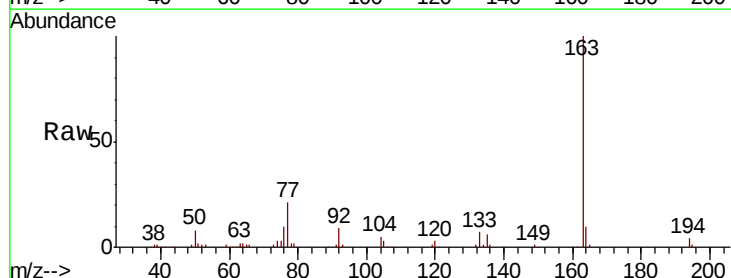
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.582 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.1	7.9	11.9

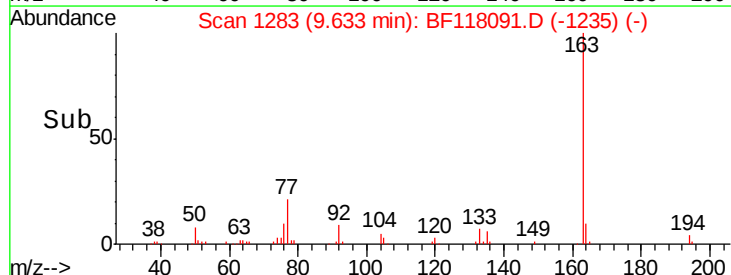
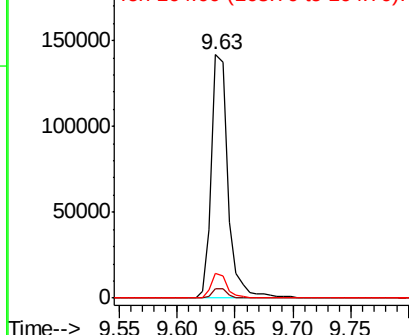


Abundance

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: 11.42 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BF118091.D

Acq: 4 Dec 2019 17:32

Instrument :

BNA_F

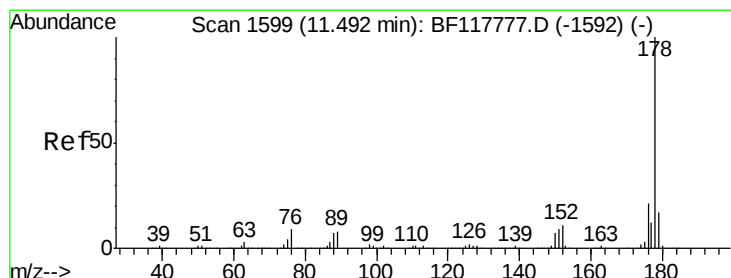
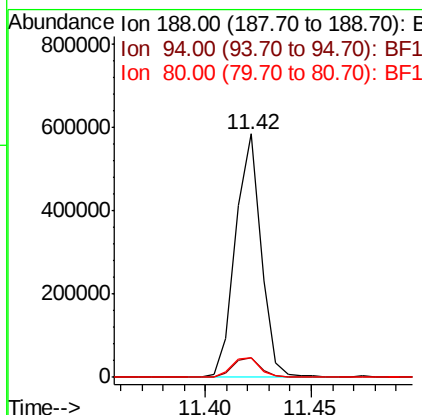
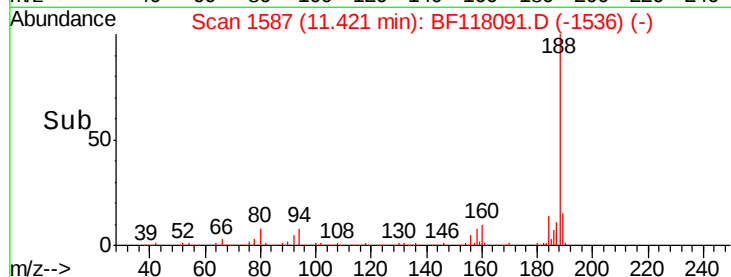
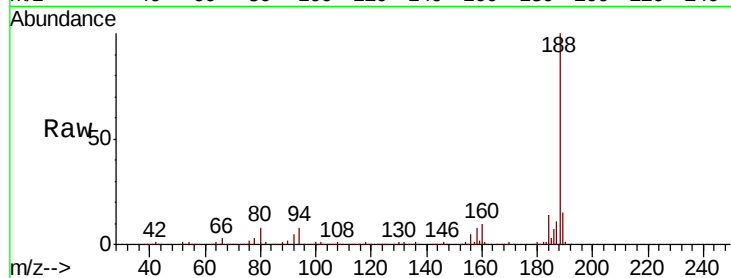
ClientSampleId :

SB-2-(0-2)

Tot Ion:	188	Resp:	488549
Ion Ratio	Lower	Upper	
188	100		
94	8.3	7.0	10.6
80	8.2	7.2	10.8

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#71

Phenanthrene

Concen: 9.043 ng

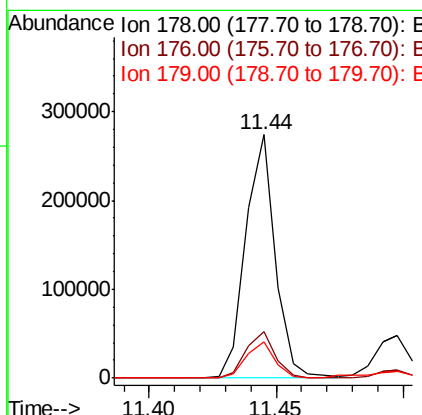
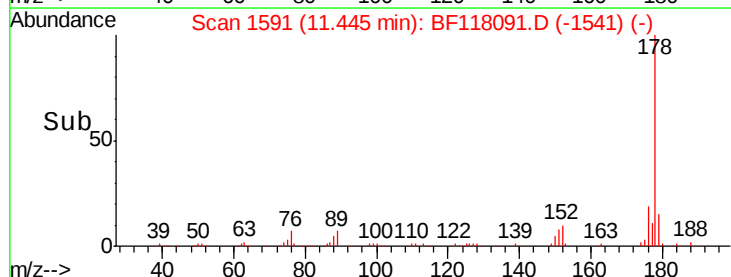
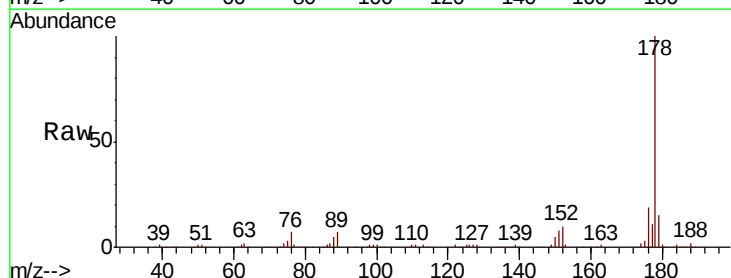
RT: 11.44 min Scan# 1591

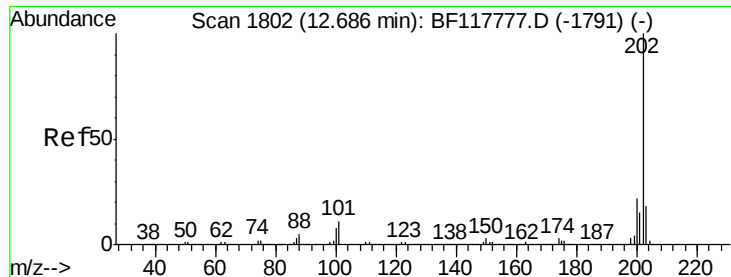
Delta R.T. -0.01 min

Lab File: BF118091.D

Acq: 4 Dec 2019 17:32

Tgt Ion:	178	Resp:	222112
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.4	23.0
179	14.9	12.3	18.5





#75

Fluoranthene

Concen: 9.803 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BF118091.D

Acq: 4 Dec 2019 17:32

Instrument :

BNA_F

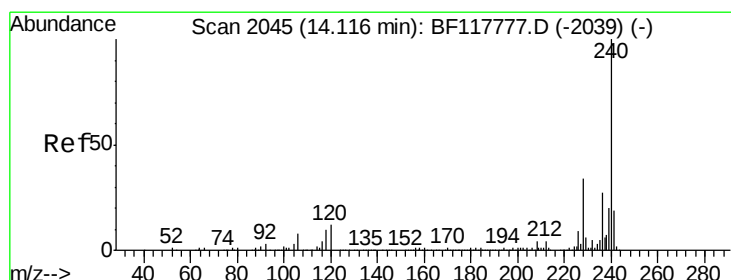
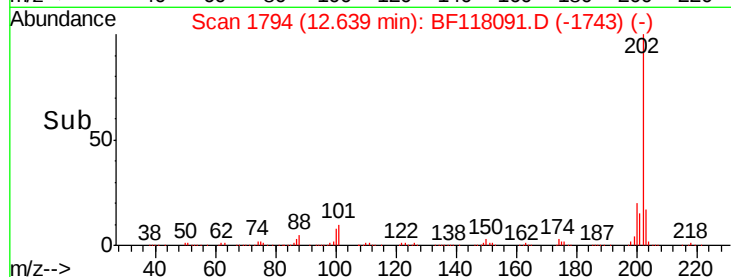
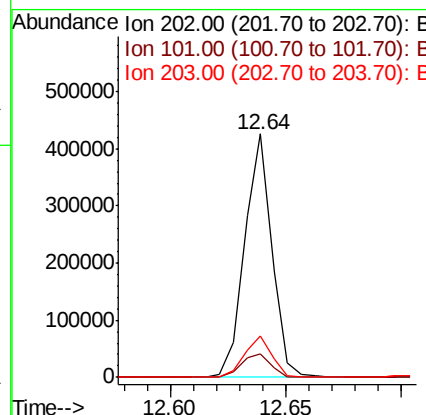
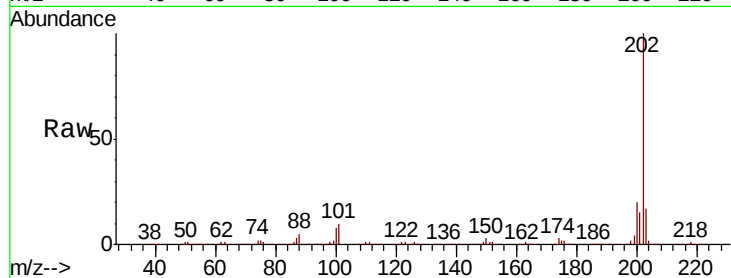
ClientSampled :

SB-2-(0-2)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.9	0.0	31.5
203	17.0	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

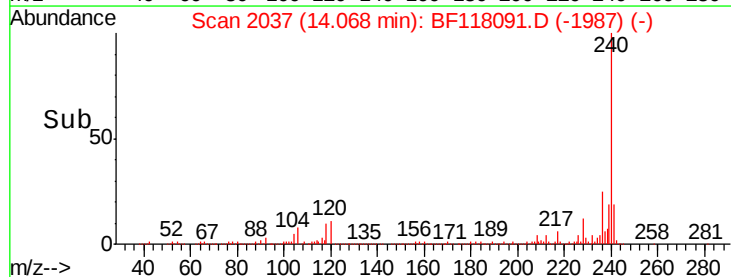
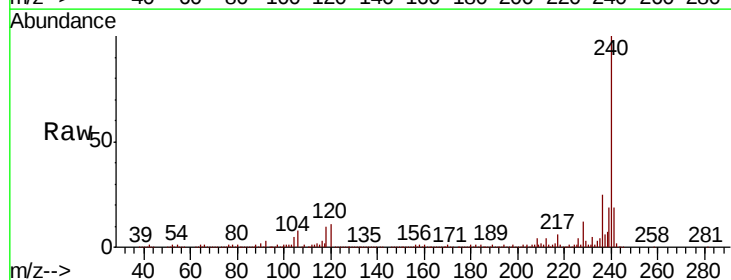
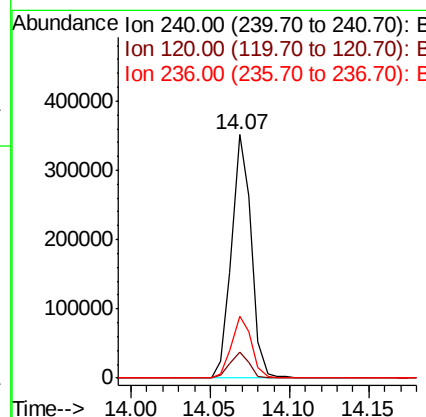
RT: 14.07 min Scan# 2037

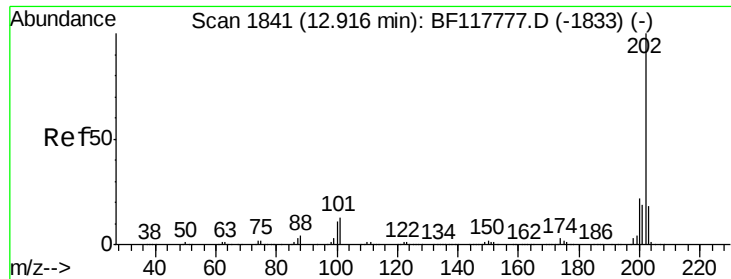
Delta R.T. -0.01 min

Lab File: BF118091.D

Acq: 4 Dec 2019 17:32

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.9	8.4	12.6
236	25.4	20.6	31.0





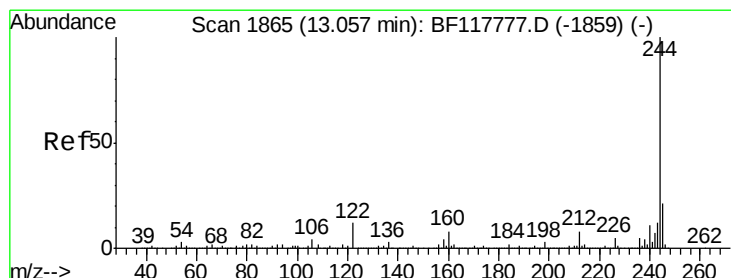
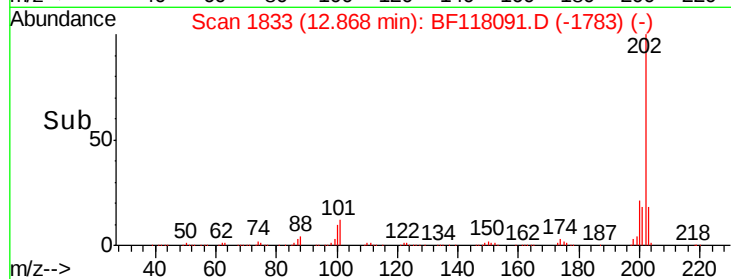
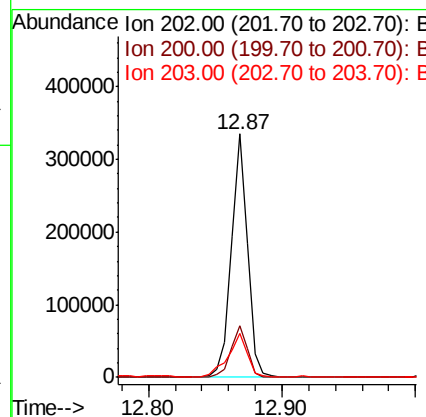
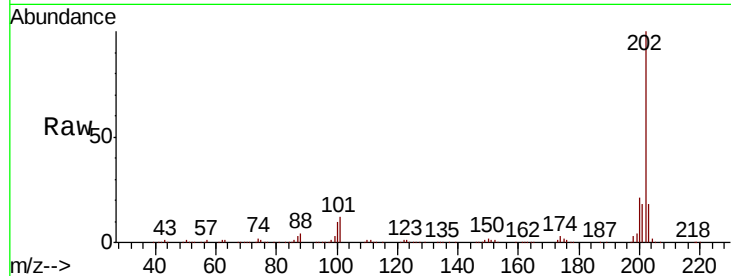
#78
Pvrene
Concen: 11.879 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Instrument :
BNA_F
ClientSampleId :
SB-2-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	291337		
200	21.0		17.0	25.6
203	17.9		14.2	21.4

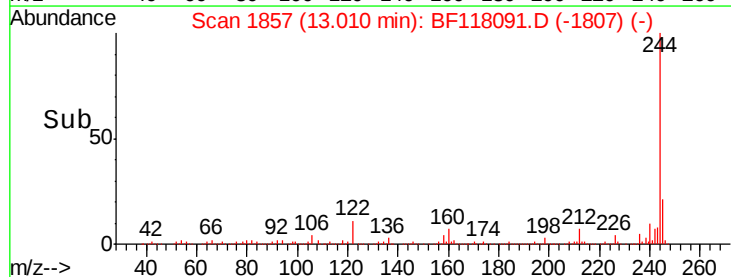
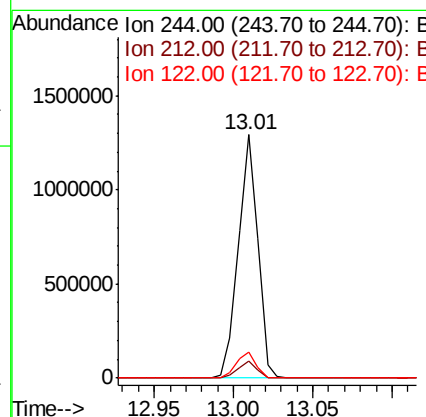
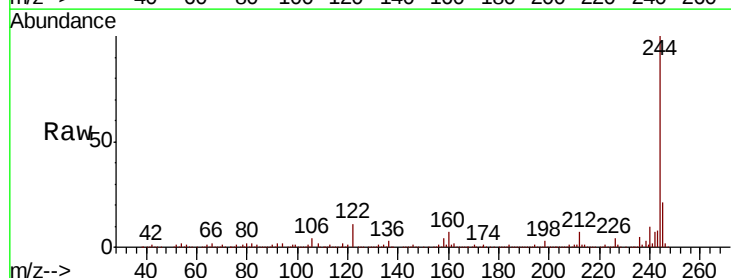
Manual Integrations
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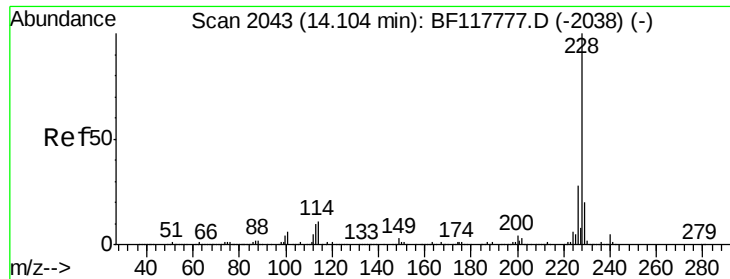
mohammad
12/5/2019 10:50:44 AM



#79
Terphenyl-d14
Concen: 66.717 ng
RT: 13.01 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1107834		
212	7.2		5.2	7.8
122	10.9		7.2	10.8#





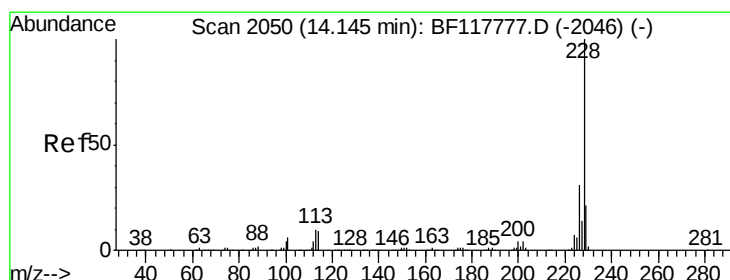
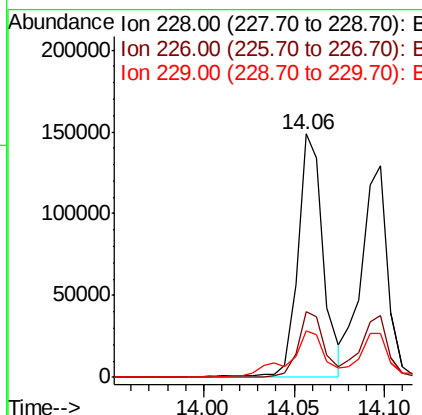
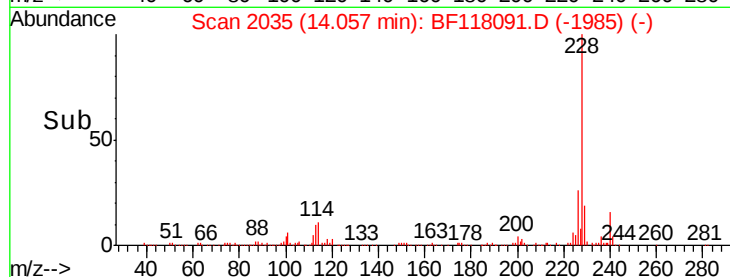
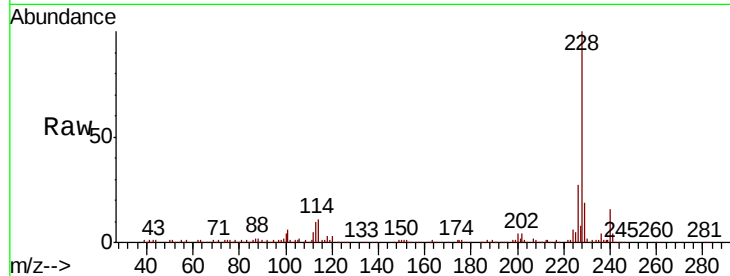
#81
Benzo(a)anthracene
Concen: 7.345 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Instrument :
BNA_F
ClientSampleId :
SB-2-(0-2)

Tot Ion:	228	Resp:	147292
Ion Ratio	Lower	Upper	
228	100		
226	26.8	21.9	32.9
229	19.2	16.2	24.2

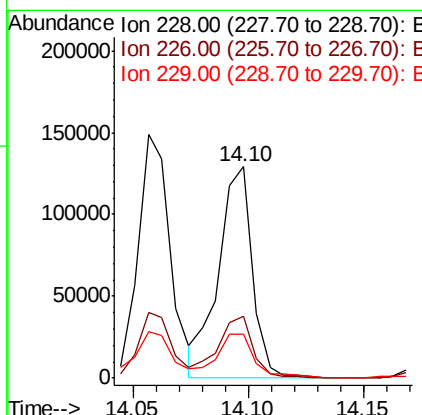
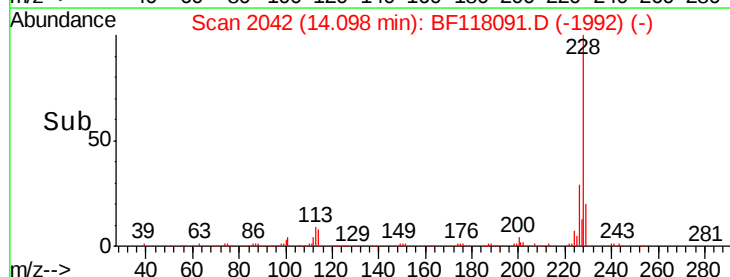
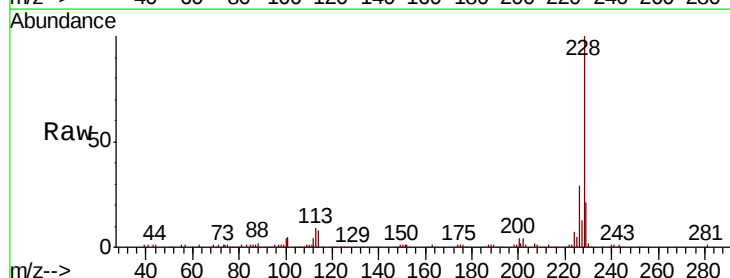
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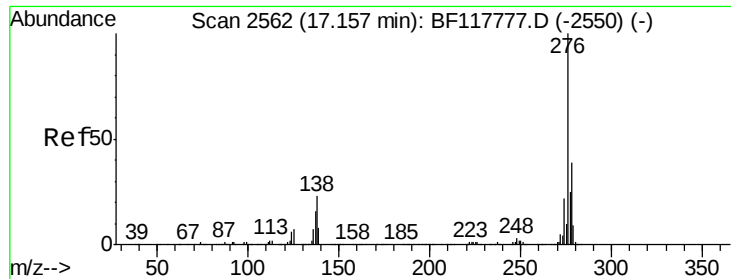
mohammad
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#83
Chrysene
Concen: 6.815 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion:	228	Resp:	132437
Ion Ratio	Lower	Upper	
228	100		
226	29.0	23.6	35.4
229	20.8	16.2	24.2





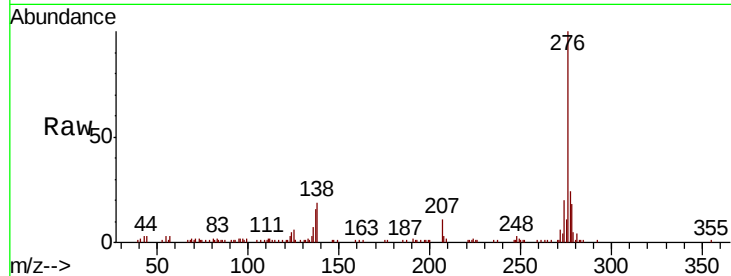
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.807 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BF118091.D
 Acq: 4 Dec 2019 17:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	19.0	28.6
277	25.5	20.7	31.1

Manual Integrations
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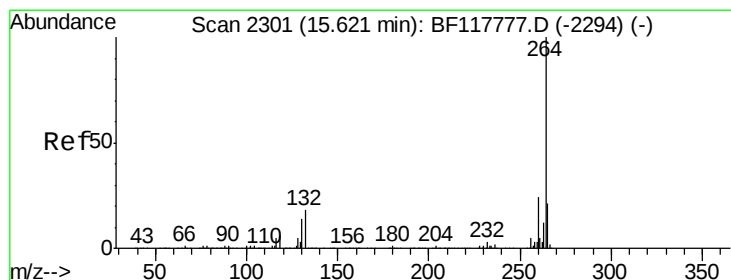
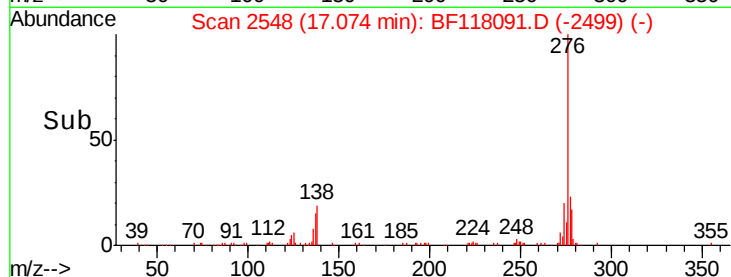
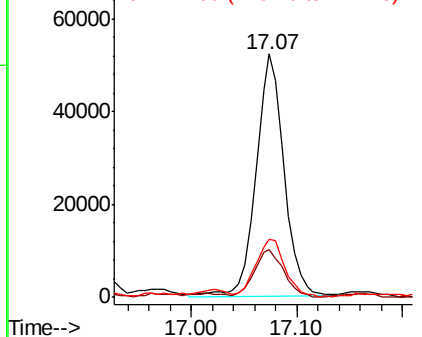


Abundance

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: 15.57 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: BF118091.D
 Acq: 4 Dec 2019 17:32

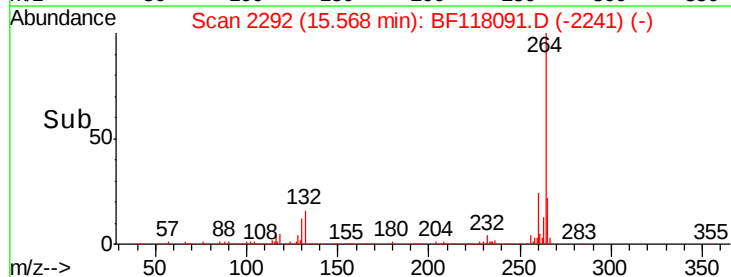
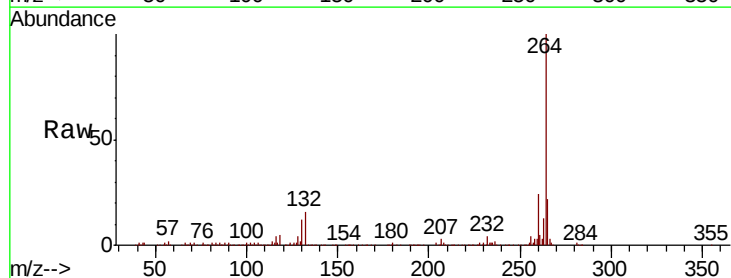
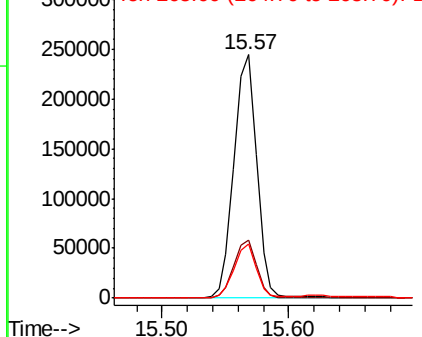
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.6
265	22.1	16.4	24.6

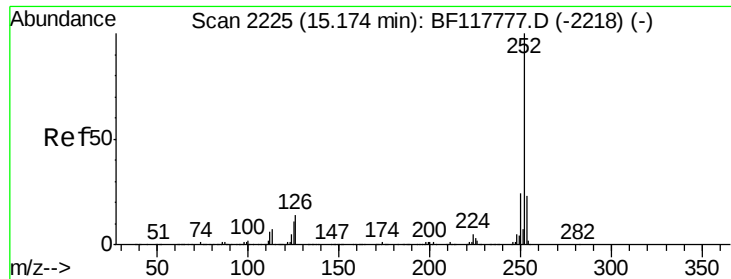
Abundance

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





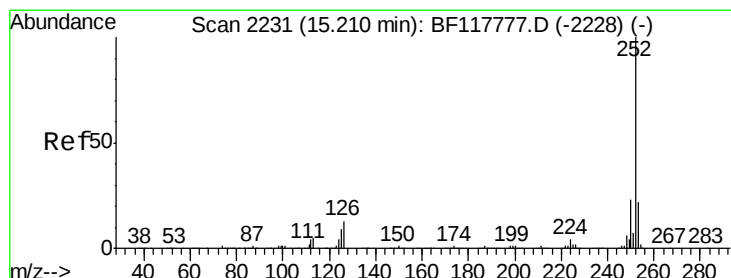
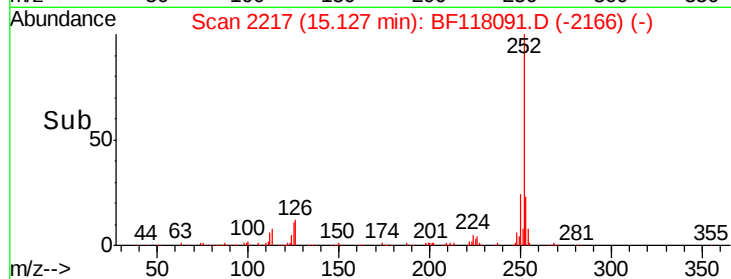
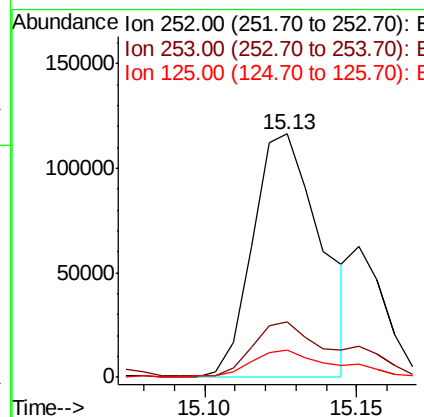
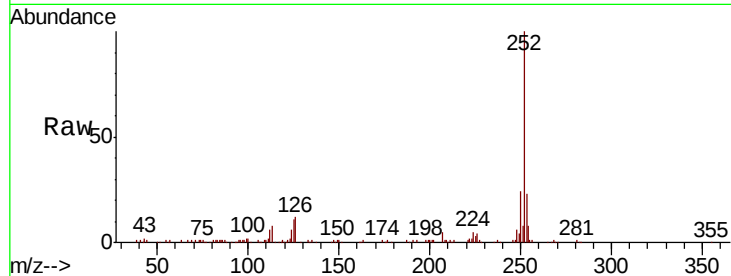
#88
Benzo(b)fluoranthene
Concen: 9.149 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.00 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Instrument :
BNA_F
ClientSampleId :
SB-2-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	11.2	7.7	11.5

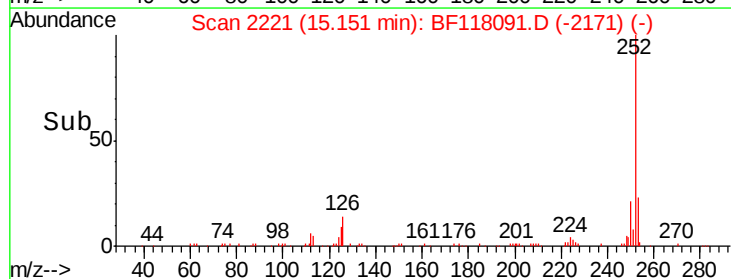
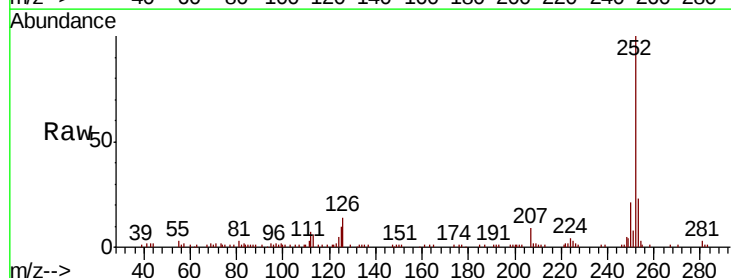
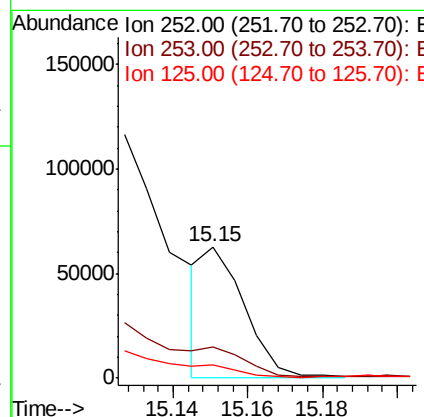
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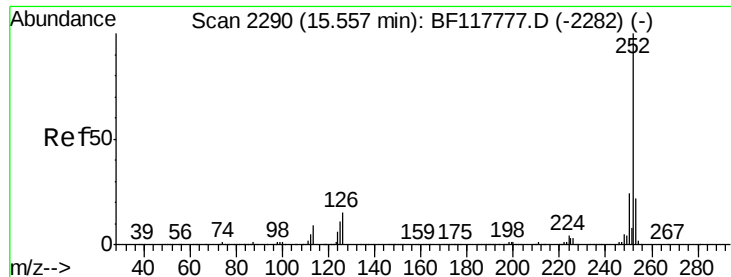
mohammad
12/5/2019 10:50:44 AM



#89
Benzo(k)fluoranthene
Concen: 2.617 ng m
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	9.7	8.5	12.7





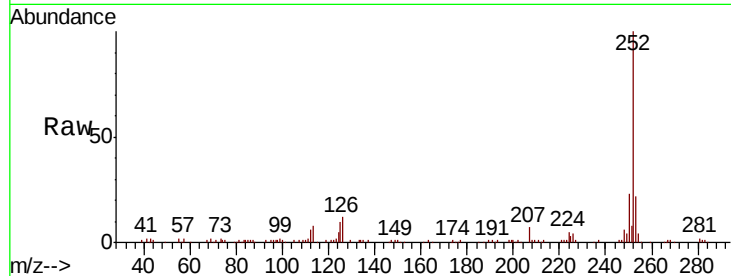
#90
Benzo(a)pyrene
Concen: 6.929 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Instrument :
BNA_F
ClientSampleId :
SB-2-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	10.1	8.9	13.3

Manual Integrations
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12/5/2019 10:50:44 AM

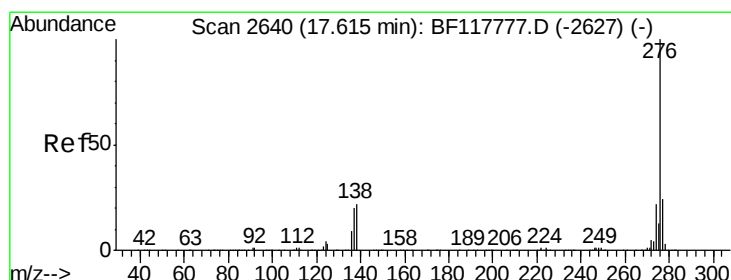
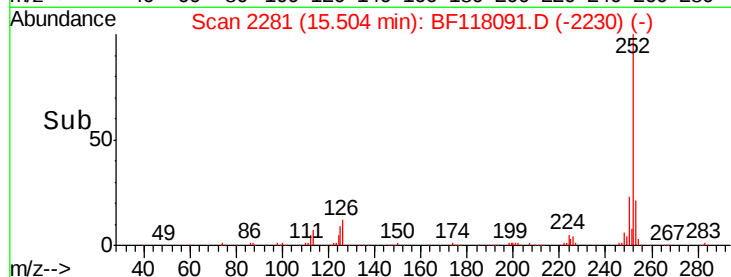
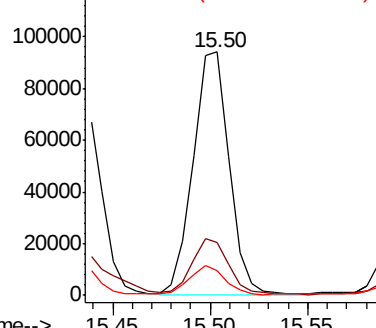


Abundance

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



#92
Benzo(g,h,i)perylene
Concen: 5.970 ng
RT: 17.53 min Scan# 2626
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.0	28.4
138	20.6	16.6	25.0

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

