

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
 Data File : BF118691.D
 Acq On : 24 Jan 2020 17:49
 Operator : CG/JU
 Sample : L1243-07 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-04-0-5

Manual Integrations
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mohammad
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Quant Time: Jan 27 01:51:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	315580	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	1115709	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	634538	20.00	ng	-0.03
64) Phenanthrene-d10	11.38	188	1055587	20.00	ng	-0.03
76) Chrysene-d12	14.02	240	633919	20.00	ng	-0.03
87) Perylene-d12	15.48	264	729635	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	829702	48.83	ng	-0.02
7) Phenol-d6	6.49	99	1171785	53.06	ng	-0.02
23) Nitrobenzene-d5	7.42	82	732063	36.70	ng	-0.03
42) 2,4,6-Tribromophenol	10.68	330	447005	60.91	ng	-0.03
45) 2-Fluorobiphenyl	9.22	172	1626216	42.12	ng	-0.03
79) Terphenyl-d14	12.96	244	1630562	56.10	ng	-0.03
Target Compounds						
50) Dimethylphthalate	9.61	163	216313	5.232	ng	Qvalue 97
71) Phenanthrene	11.40	178	449788	8.832	ng	92
72) Anthracene	11.46	178	129918	2.578	ng	92
75) Fluoranthene	12.59	202	661613	12.318	ng	93
78) Pyrene	12.82	202	625078	14.524	ng	93
81) Benzo(a)anthracene	14.00	228	296048	7.763	ng	99
83) Chrysene	14.04	228	267854	7.329	ng	96
86) Indeno(1,2,3-cd)pyrene	16.94	276	172627	5.436	ng	96
88) Benzo(b)fluoranthene	15.05	252	397877m	8.675	ng	
89) Benzo(k)fluoranthene	15.07	252	133519m	3.142	ng	
90) Benzo(a)pyrene	15.42	252	279036	7.053	ng	# 97
92) Benzo(a,h,i)perylene	17.39	276	160918	4.736	ng	96

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

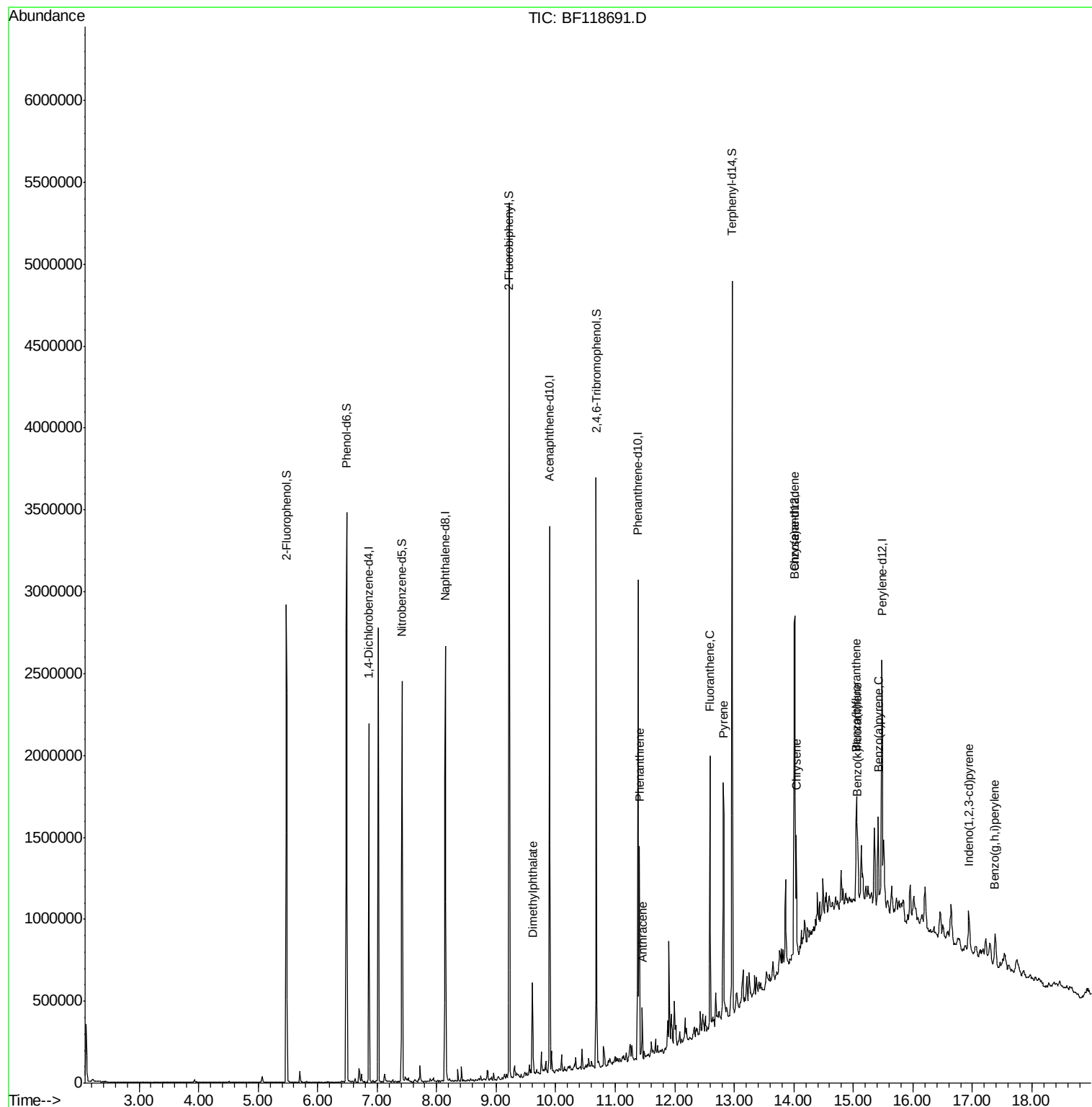
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012420\
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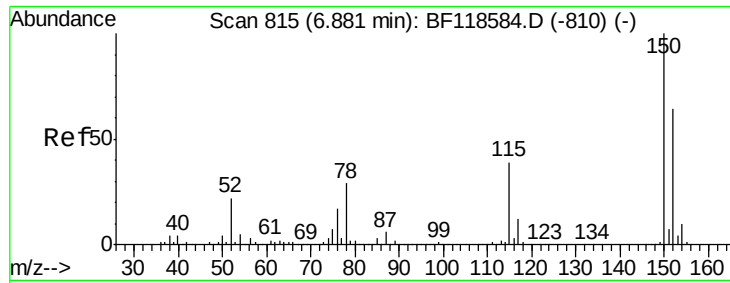
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
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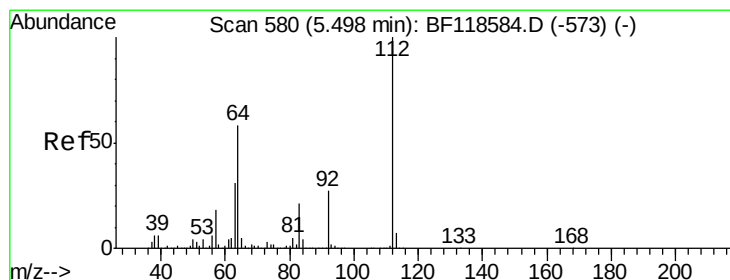
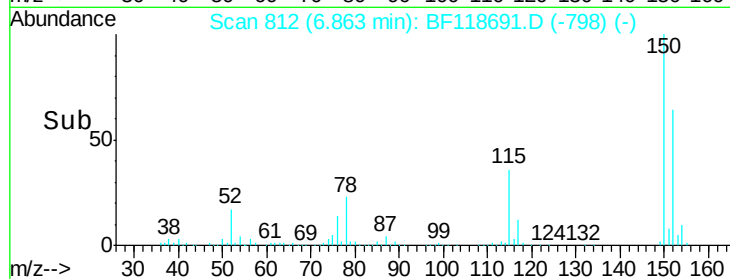
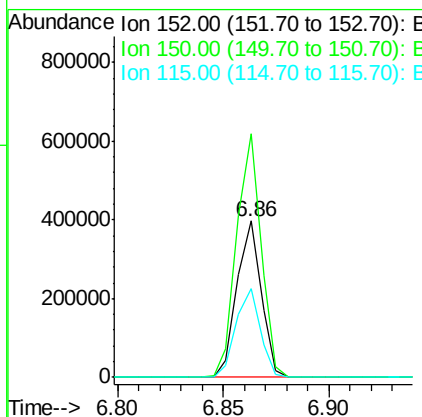
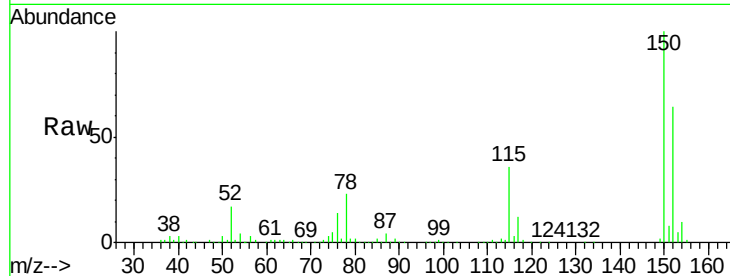
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BF118691.D
 Acq: 24 Jan 2020 17:49

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	125.6	188.4
115	56.7	48.4	72.6

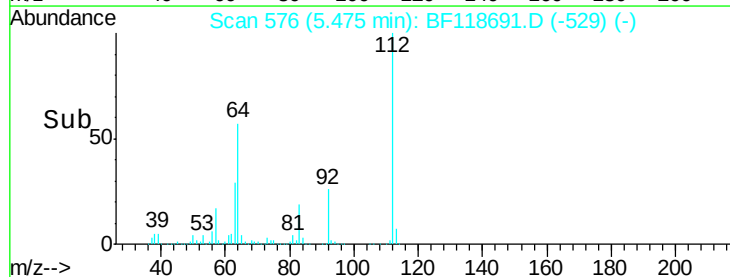
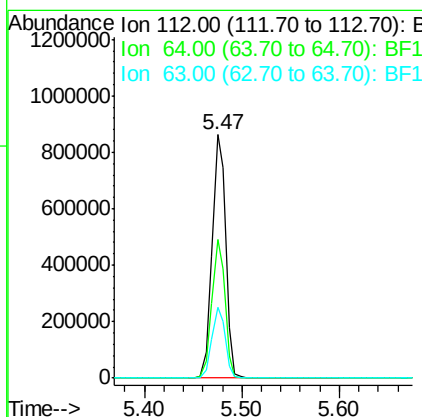
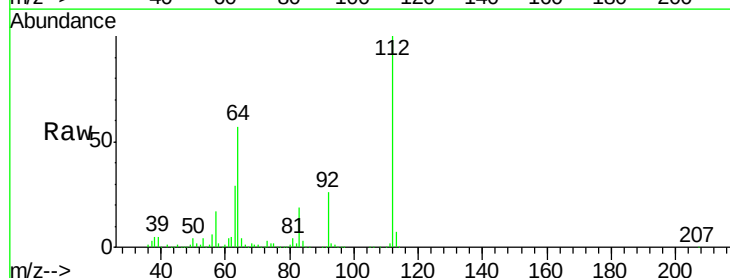
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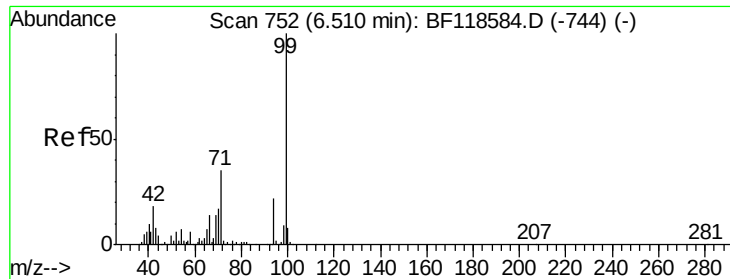
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#5
 2-Fluorophenol
 Concen: 48.830 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.02 min
 Lab File: BF118691.D
 Acq: 24 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	46.6	70.0
63	29.0	25.1	37.7





#7

Phenol-d6

Concen: 53.058 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF118691.D

Acq: 24 Jan 2020 17:49

Instrument :

BNA_F

ClientSampleId :

CTY-SB-04-0-5

Tot Ion: 99 Resp: 1171785

Ion Ratio Lower Upper

99 100

42 16.1 14.2 21.2

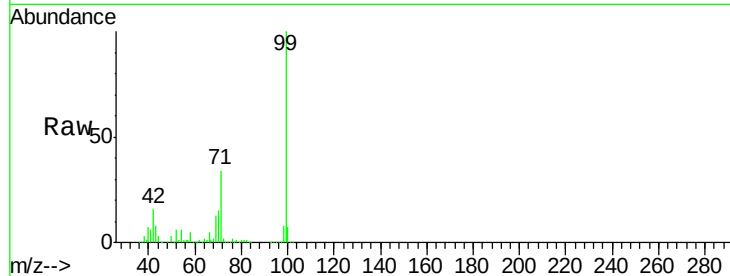
71 34.0 27.8 41.6

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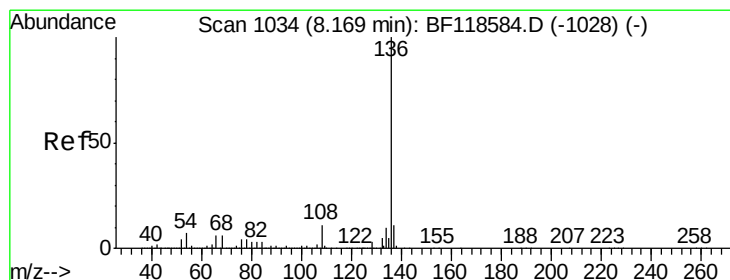
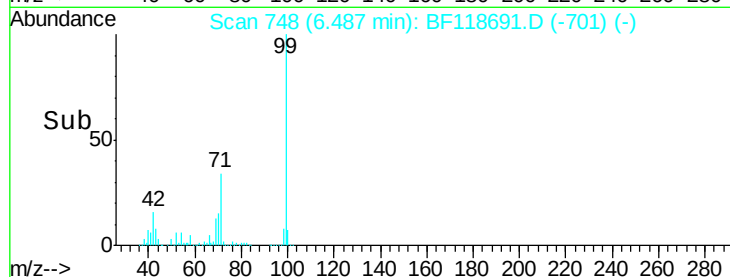
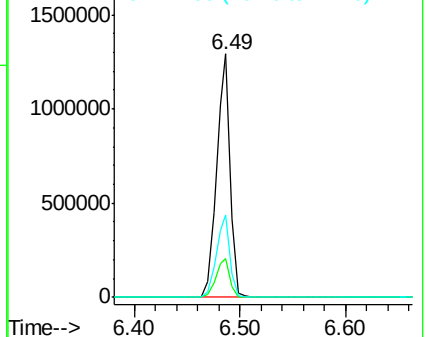
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.02 min

Lab File: BF118691.D

Acq: 24 Jan 2020 17:49

Tgt Ion: 136 Resp: 1115709

Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 6.5 5.8 8.6

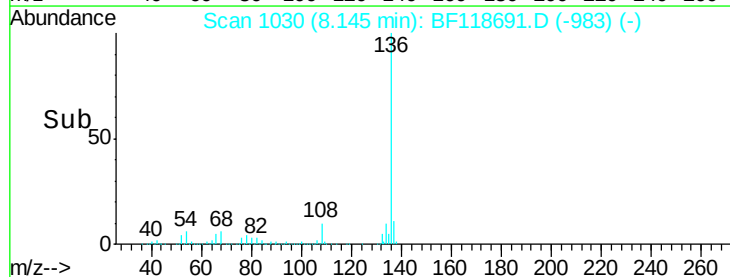
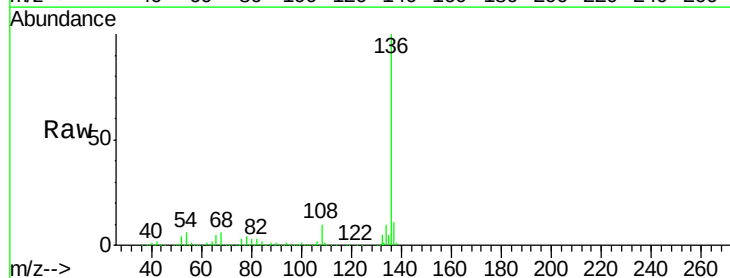
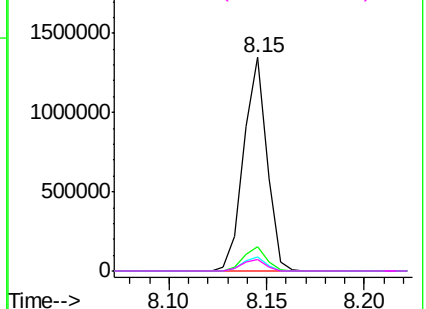
68 5.7 5.0 7.4

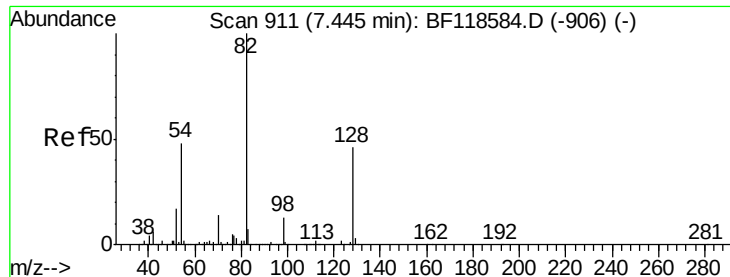
Abundance Ion 136.00 (135.70 to 136.70): E

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





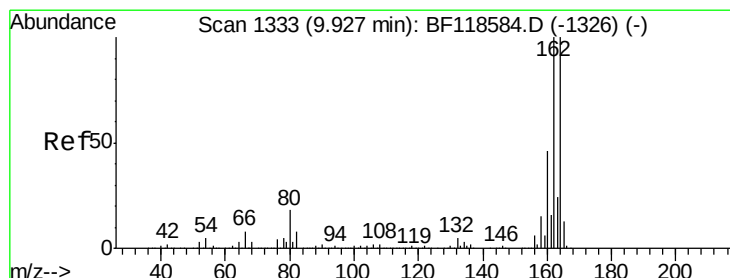
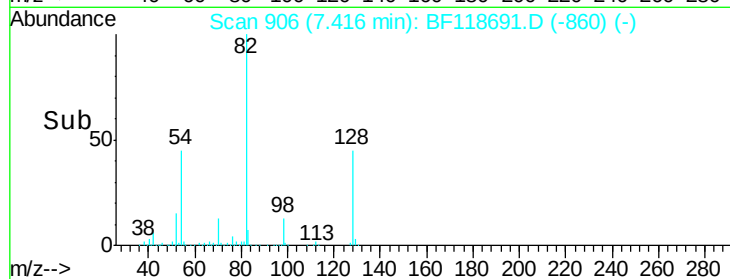
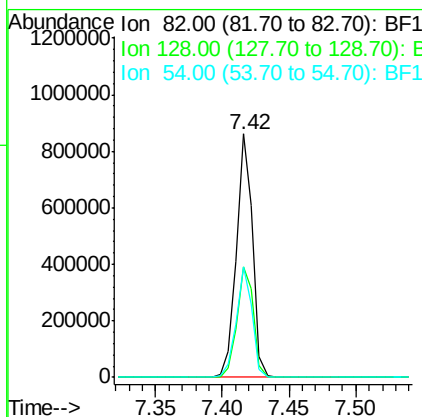
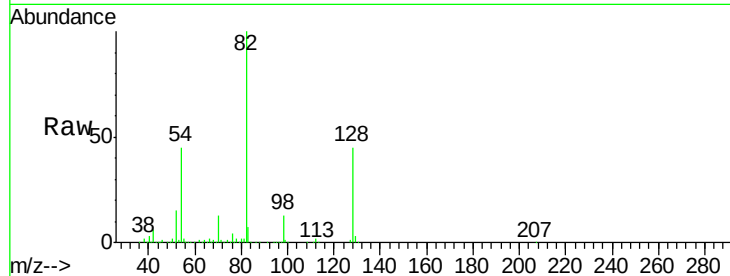
#23
 Nitrobenzene-d5
 Concen: 36.701 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.03 min
 Lab File: BF118691.D
 Acq: 24 Jan 2020 17:49

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.6	54.8
54	45.4	38.0	57.0

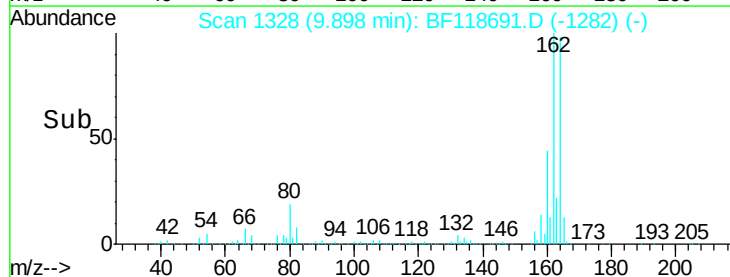
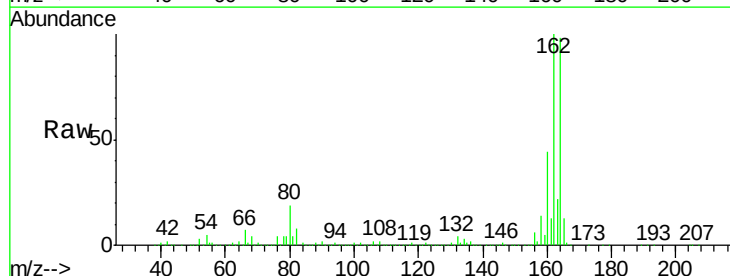
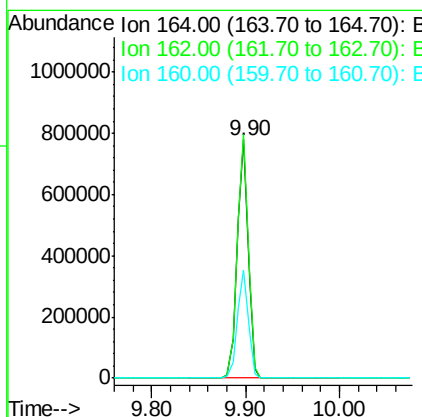
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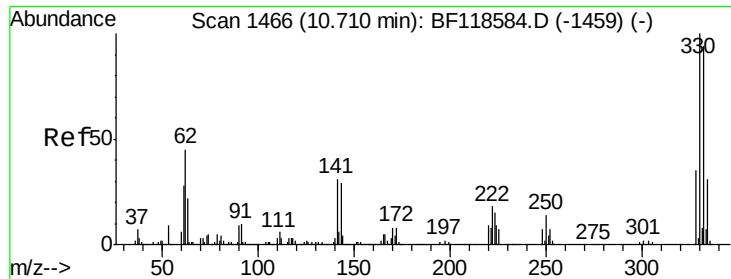
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.03 min
 Lab File: BF118691.D
 Acq: 24 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.4	120.6
160	45.2	36.6	55.0





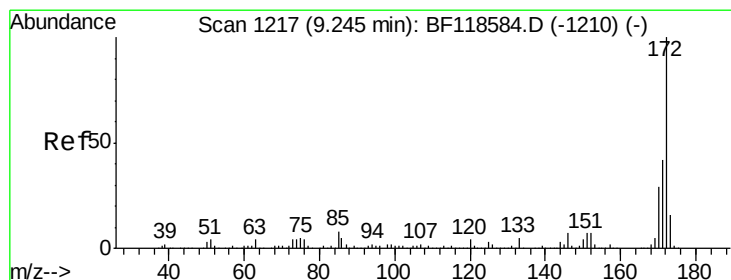
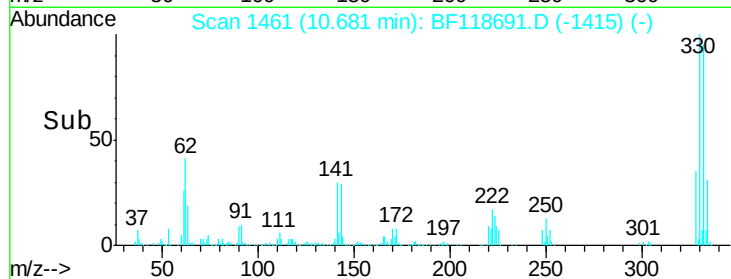
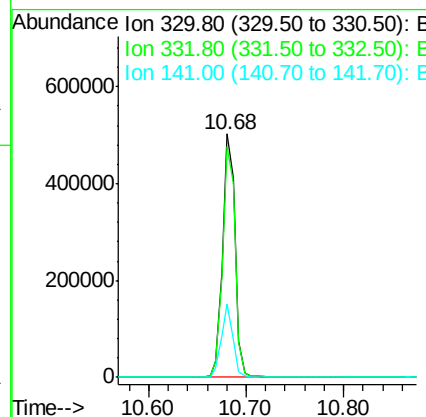
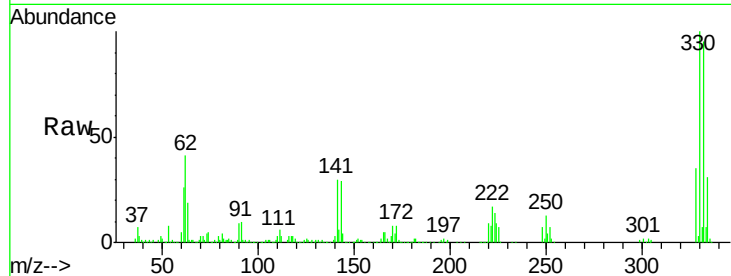
#42
 2,4,6-Tribromophenol
 Concen: 60.906 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.03 min
 Lab File: BF118691.D
 Acq: 24 Jan 2020 17:49

Instrument :
 BNA_F
 ClientSampleId :
 CTY-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.2	114.4
141	27.9	23.9	35.9

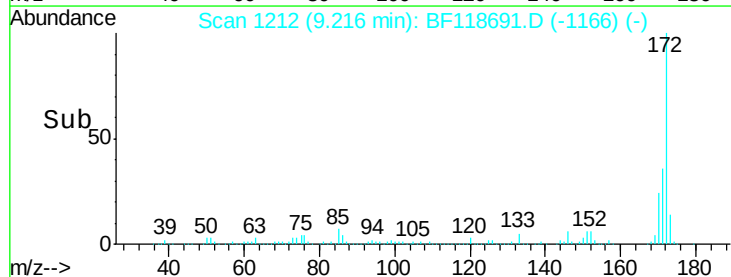
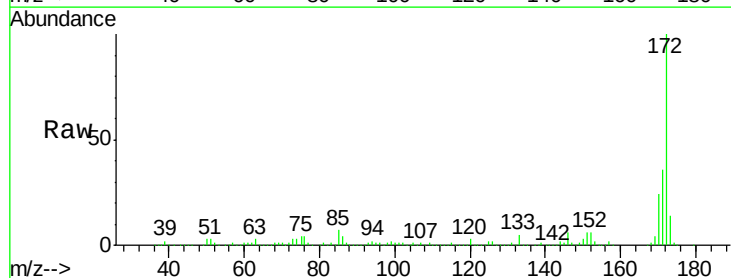
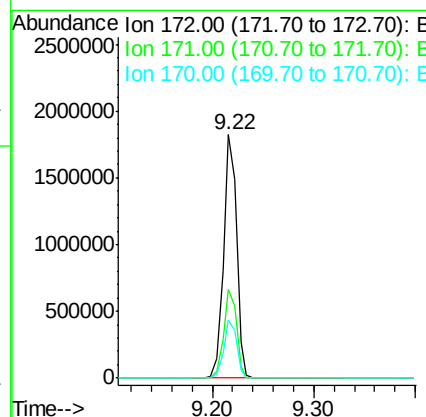
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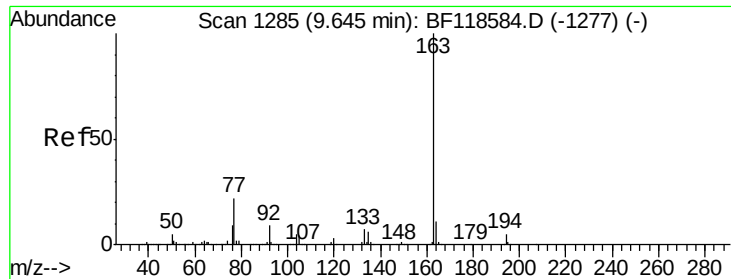
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#45
 2-Fluorobiphenyl
 Concen: 42.123 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.03 min
 Lab File: BF118691.D
 Acq: 24 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	33.4	50.2
170	23.8	23.2	34.8





#50

Dimethylphthalate

Concen: 5.232 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.04 min

Lab File: BF118691.D

Acq: 24 Jan 2020 17:49

Instrument :

BNA_F

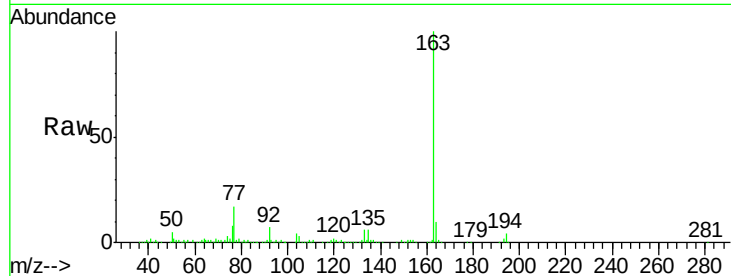
ClientSampleId :

CTY-SB-04-0-5

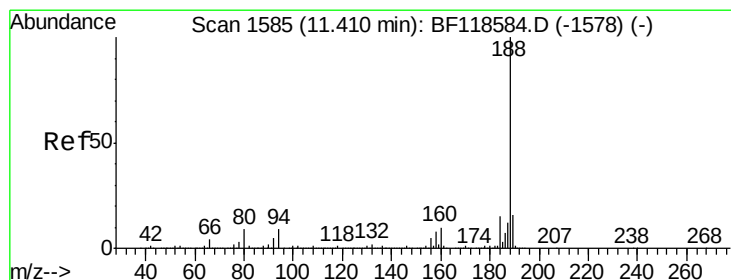
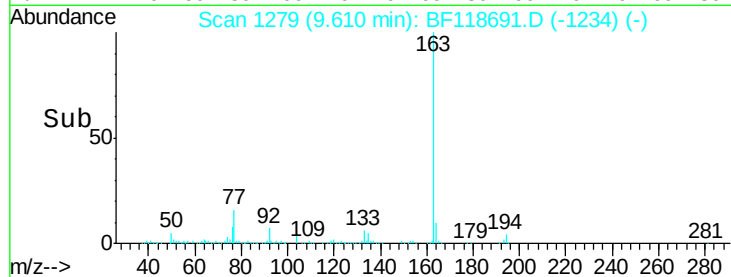
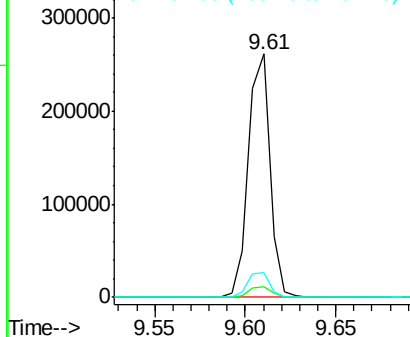
Tot Ion:	163	Resp:	216313
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.9	5.9
164	9.9	9.1	13.7

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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

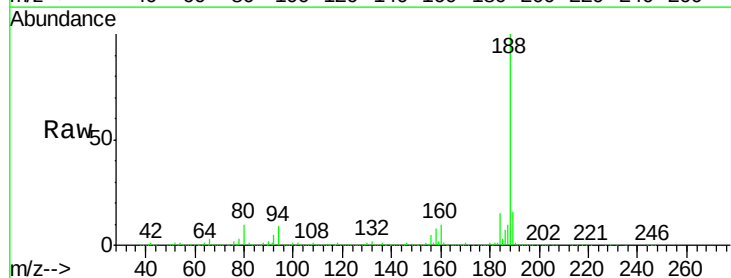
RT: 11.38 min Scan# 1580

Delta R.T. -0.03 min

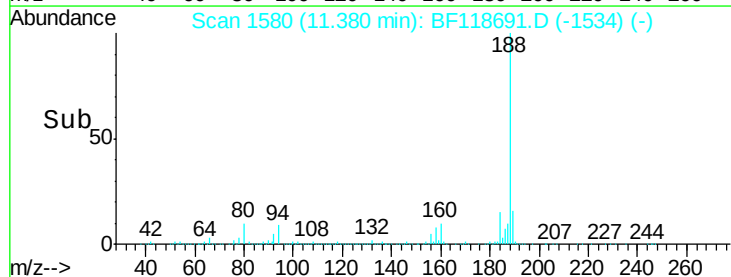
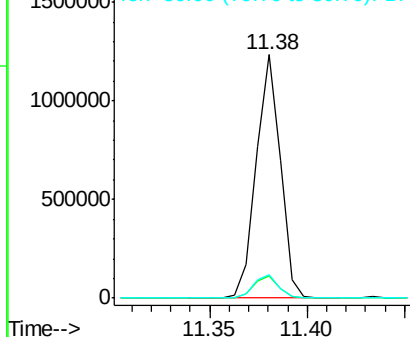
Lab File: BF118691.D

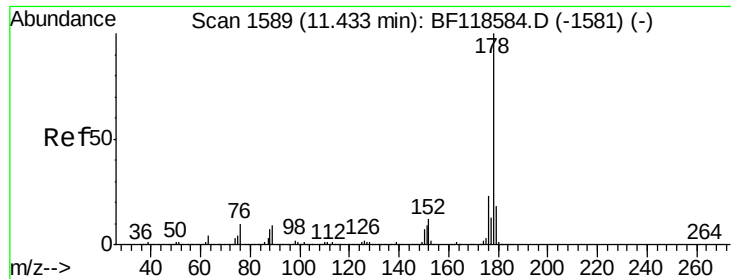
Acq: 24 Jan 2020 17:49

Tgt Ion:	188	Resp:	1055587
Ion Ratio	Lower	Upper	
188	100		
94	9.2	7.1	10.7
80	9.9	7.5	11.3



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: 8.832 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.03 min

Lab File: BF118691.D

Acq: 24 Jan 2020 17:49

Instrument :

BNA_F

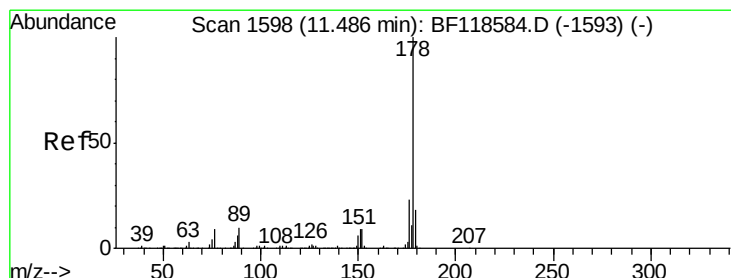
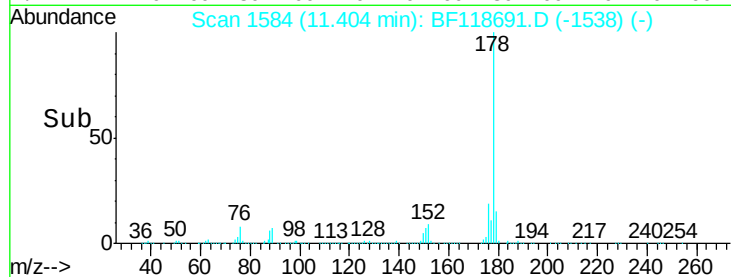
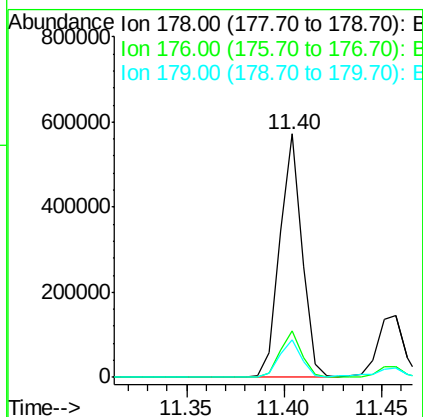
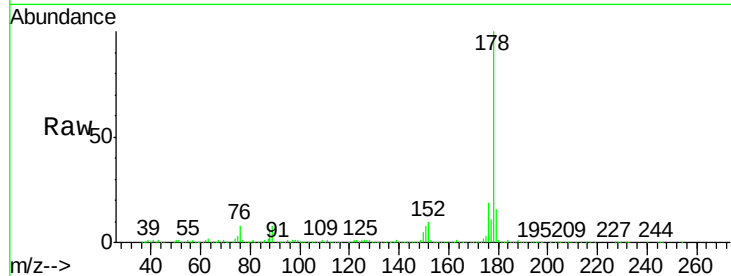
ClientSampleId :

CTY-SB-04-0-5

Tot Ion:	178	Resp:	449788
Ion Ratio	Lower	Upper	
178	100		
176	18.9	18.6	27.8
179	15.6	14.7	22.1

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#72

Anthracene

Concen: 2.578 ng

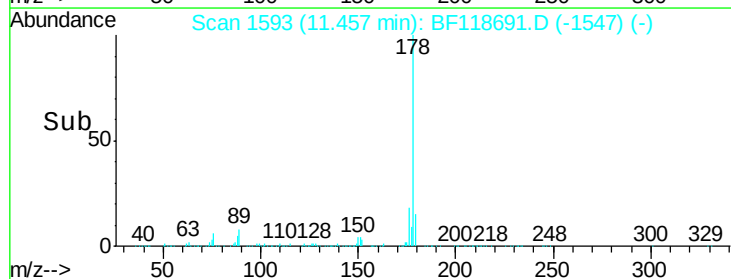
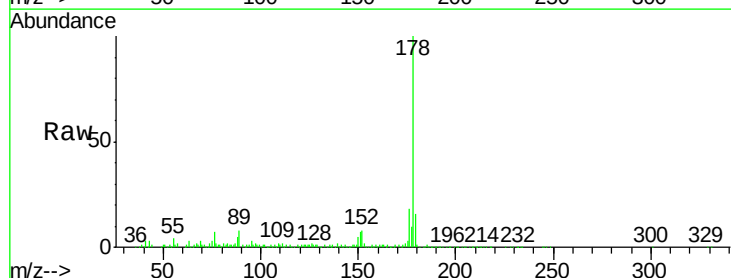
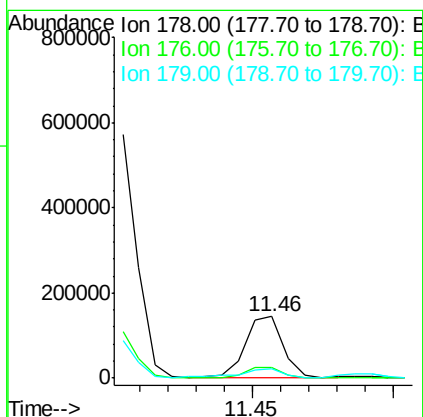
RT: 11.46 min Scan# 1593

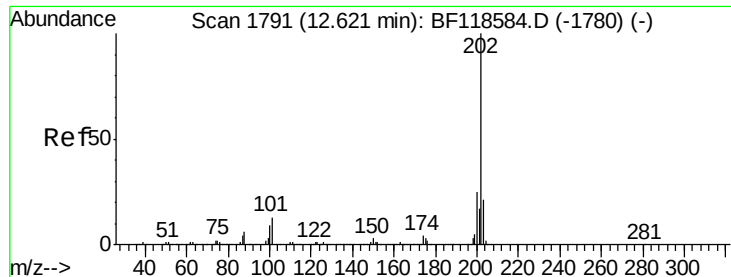
Delta R.T. -0.03 min

Lab File: BF118691.D

Acq: 24 Jan 2020 17:49

Tgt Ion:	178	Resp:	129918
Ion Ratio	Lower	Upper	
178	100		
176	18.0	18.0	27.0
179	15.7	14.7	22.1





#75

Fluoranthene

Concen: 12.318 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.03 min

Lab File: BF118691.D

Acq: 24 Jan 2020 17:49

Instrument :

BNA_F

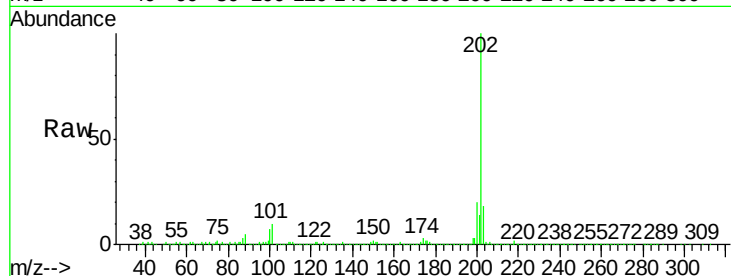
ClientSampleId :

CTY-SB-04-0-5

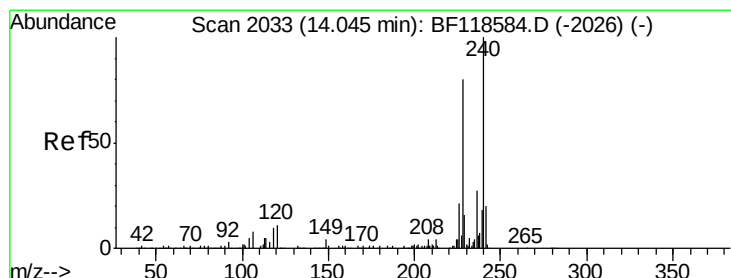
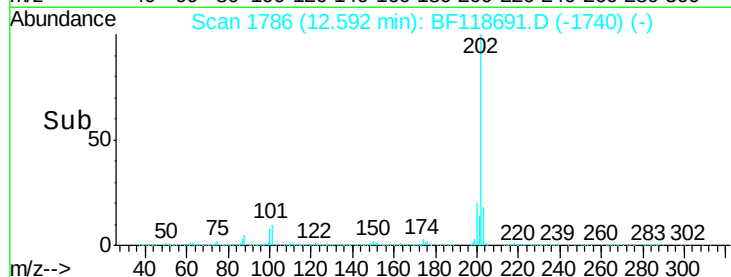
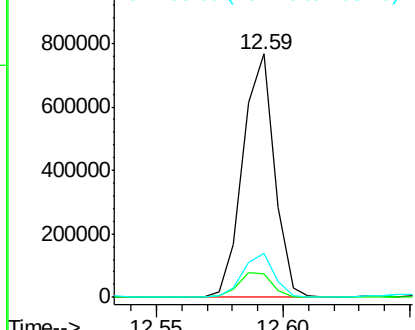
Tot Ion:	202	Resp:	661613
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	32.5
203	17.8	0.8	40.8

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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

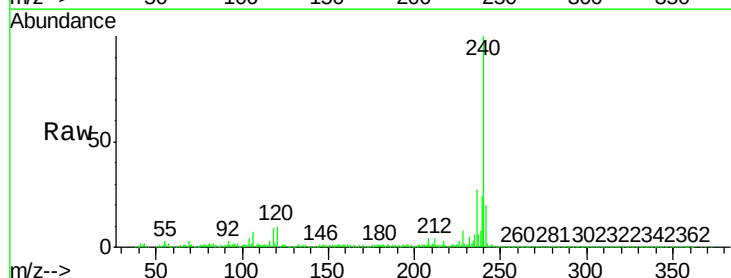
RT: 14.02 min Scan# 2028

Delta R.T. -0.03 min

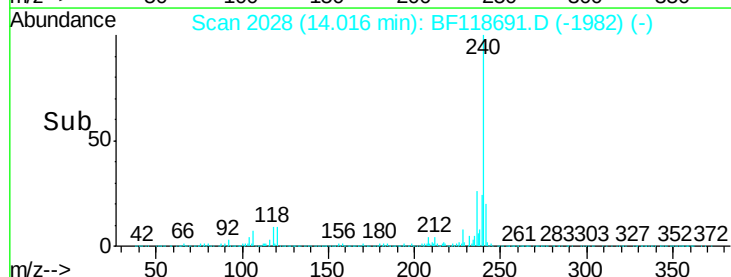
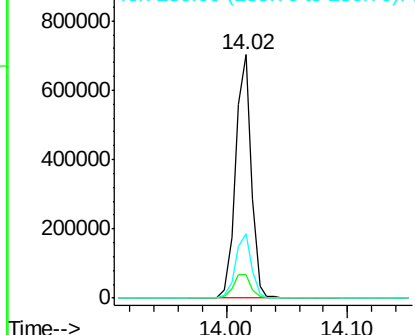
Lab File: BF118691.D

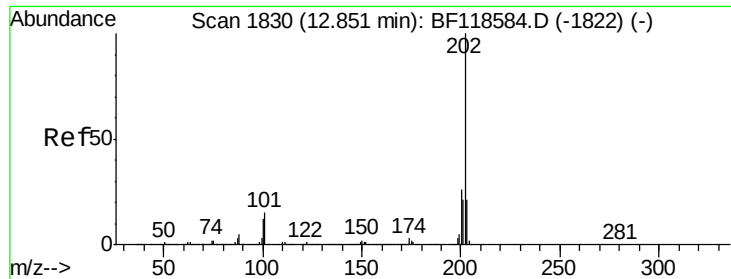
Acq: 24 Jan 2020 17:49

Tgt Ion:	240	Resp:	633919
Ion Ratio	Lower	Upper	
240	100		
120	9.7	8.9	13.3
236	26.5	21.5	32.3



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





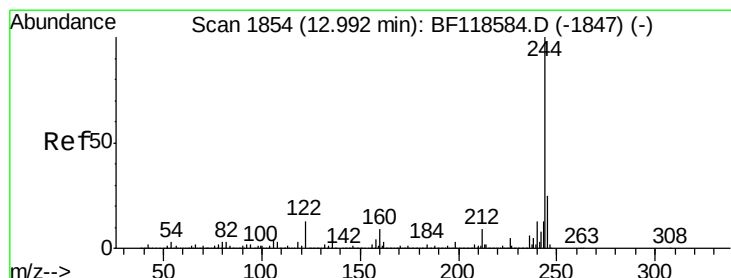
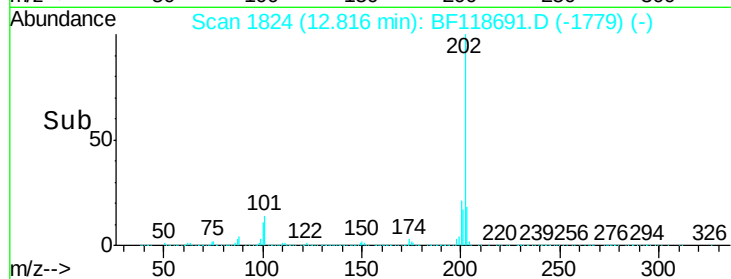
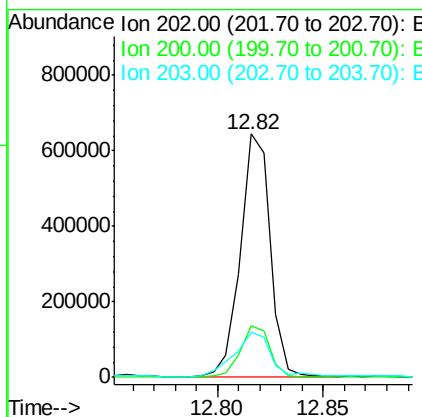
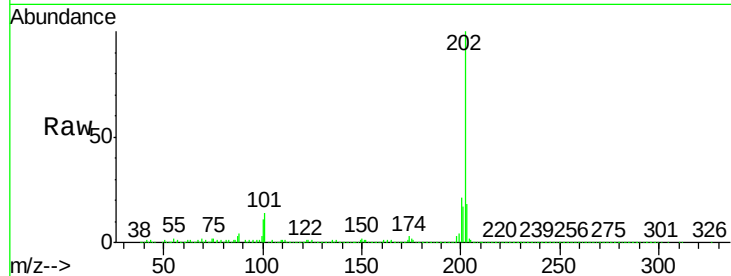
#78
Pvrene
Concen: 14.524 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.04 min
Lab File: BF118691.D
Acq: 24 Jan 2020 17:49

Instrument :
BNA_F
ClientSampleId :
CTY-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	20.6	31.0
203	18.4	16.8	25.2

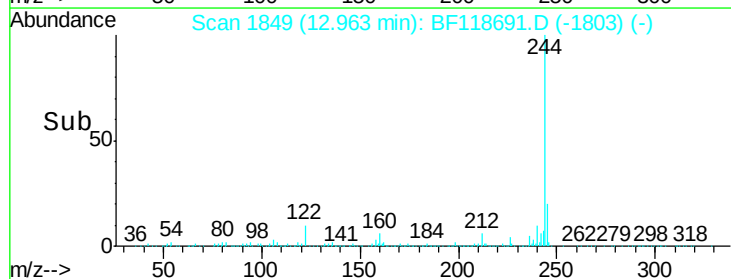
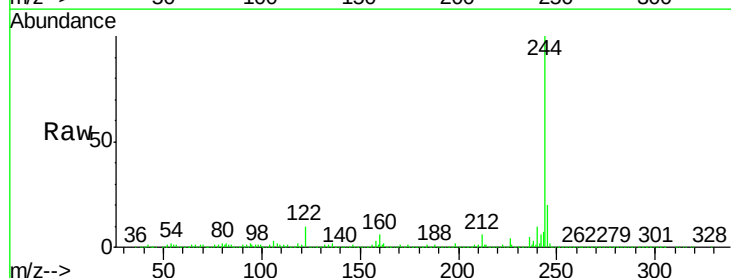
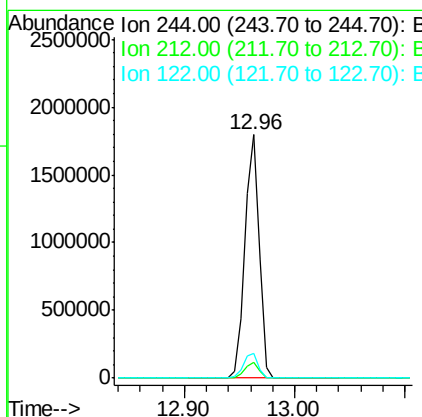
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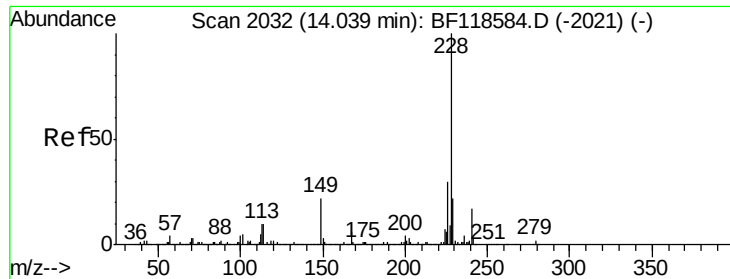
mohammad
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#79
Terphenyl-d14
Concen: 56.102 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.03 min
Lab File: BF118691.D
Acq: 24 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	7.0	10.4#
122	10.0	10.7	16.1#





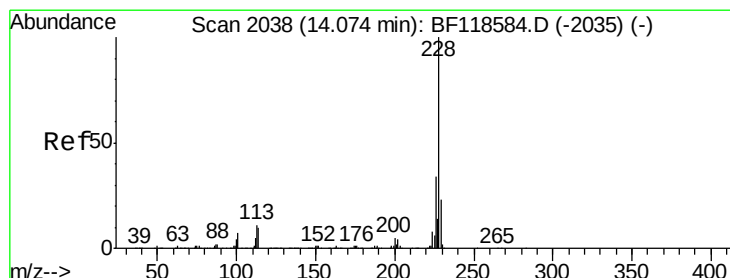
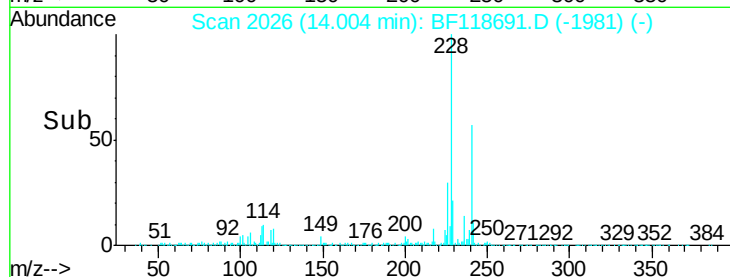
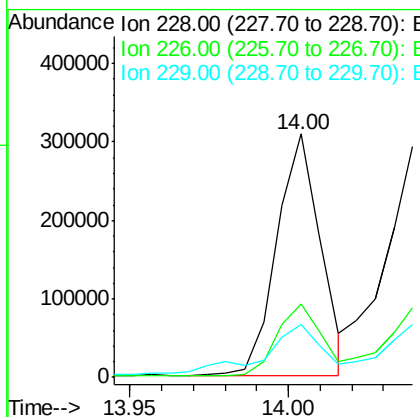
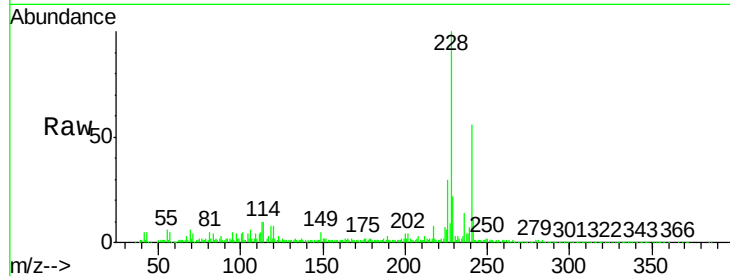
#81
Benzo(a)anthracene
Concen: 7.763 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.04 min
Lab File: BF118691.D
Acq: 24 Jan 2020 17:49

Instrument :
BNA_F
ClientSampleId :
CTY-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	21.6	17.6	26.4

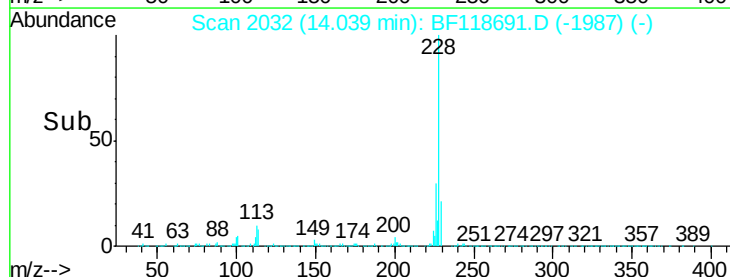
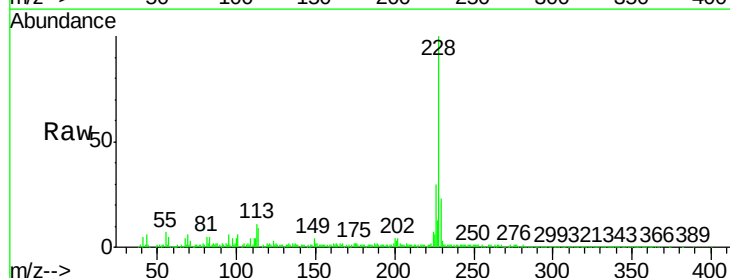
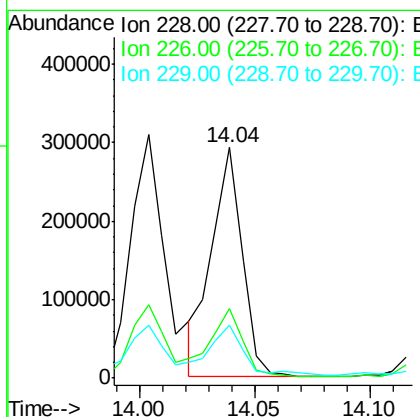
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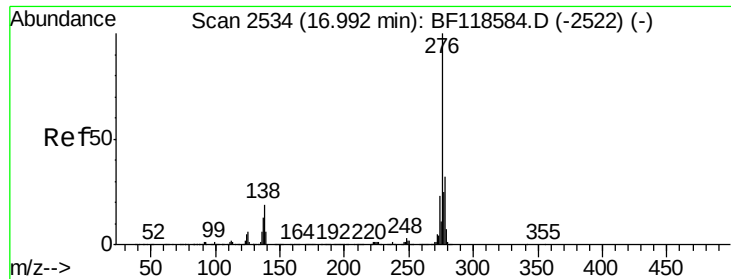
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#83
Chrysene
Concen: 7.329 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.04 min
Lab File: BF118691.D
Acq: 24 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	27.4	41.0
229	23.1	18.3	27.5





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.436 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.05 min

Lab File: BF118691.D

Acq: 24 Jan 2020 17:49

Instrument :

BNA_F

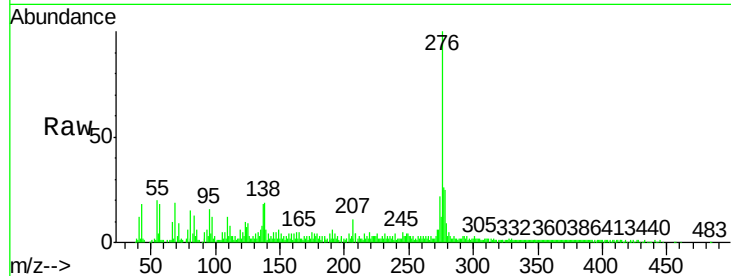
ClientSampleId :

CTY-SB-04-0-5

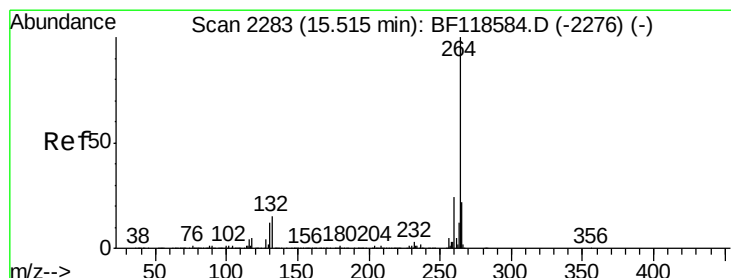
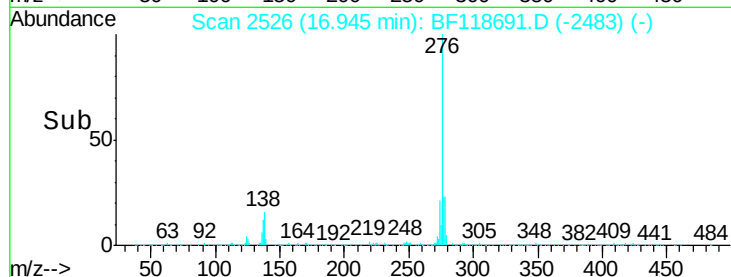
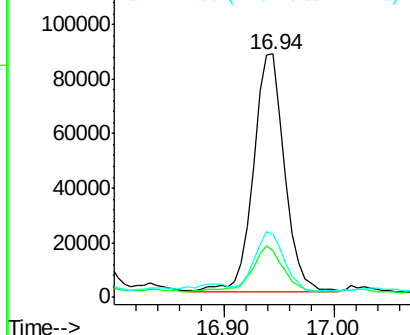
Tot Ion:	276	Resp:	172627
Ion Ratio	Lower	Upper	
276	100		
138	20.0	17.2	25.8
277	23.4	20.5	30.7

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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: 15.48 min Scan# 2277

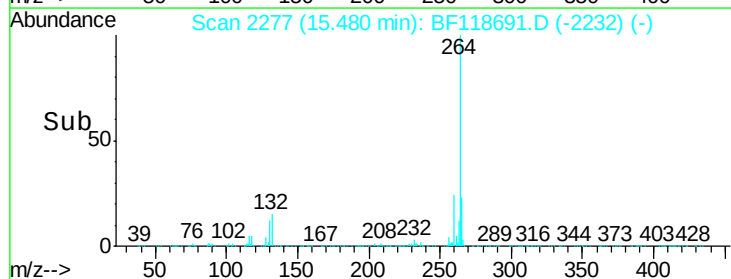
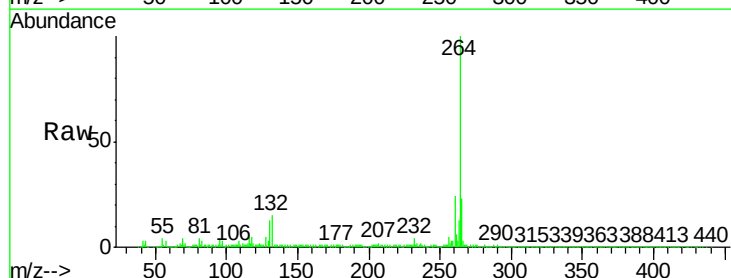
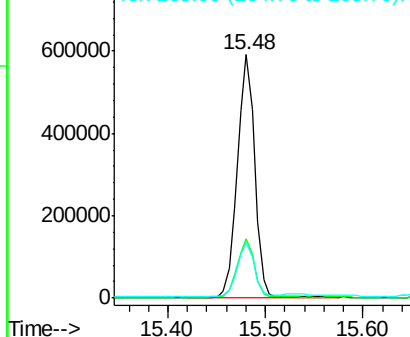
Delta R.T. -0.04 min

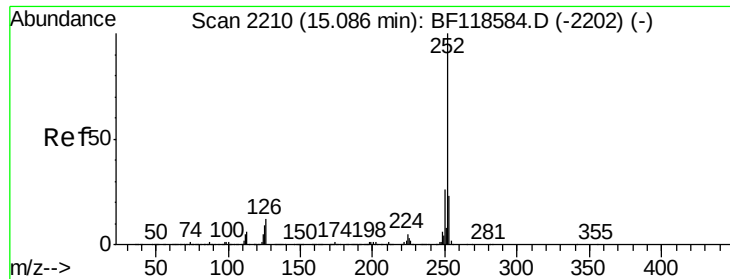
Lab File: BF118691.D

Acq: 24 Jan 2020 17:49

Tgt Ion:	264	Resp:	729635
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.6	29.4
265	23.0	17.7	26.5

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





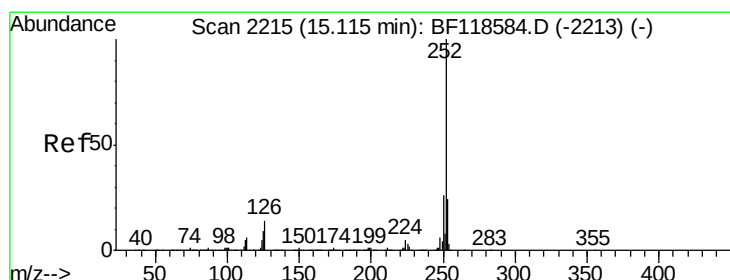
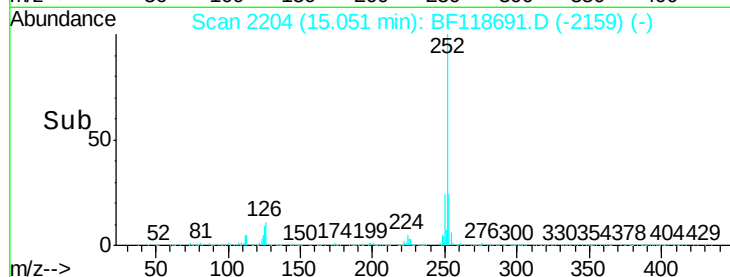
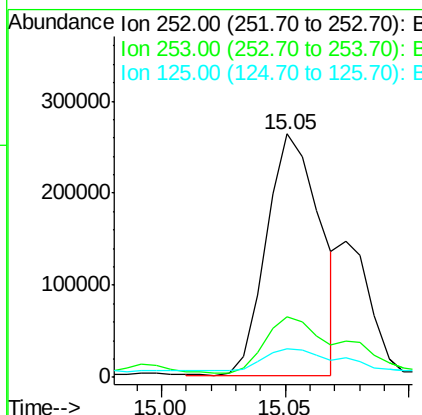
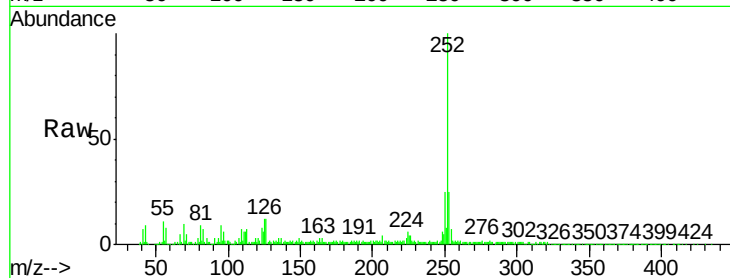
#88
Benzo(b)fluoranthene
Concen: 8.675 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF118691.D
Acq: 24 Jan 2020 17:49

Instrument :
BNA_F
ClientSampleId :
CTY-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.7	28.1
125	11.8	7.3	10.9

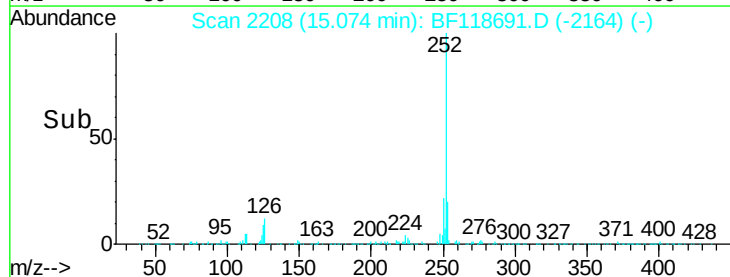
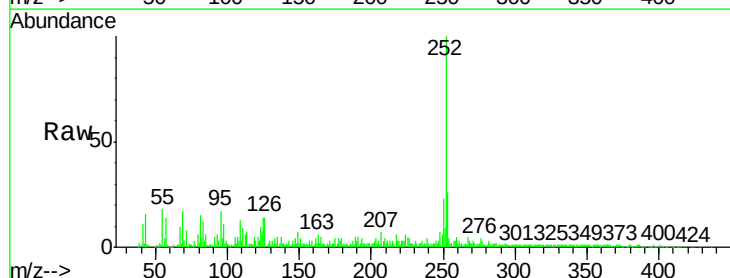
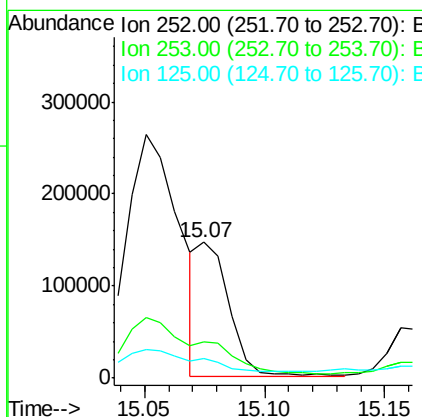
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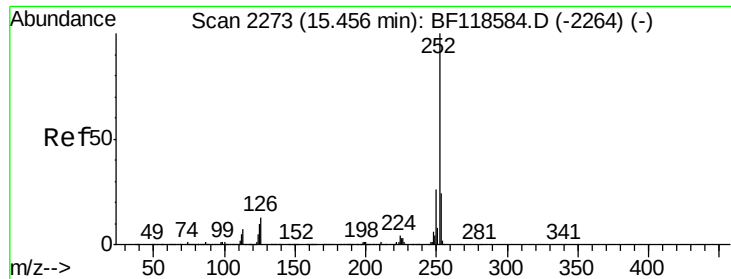
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#89
Benzo(k)fluoranthene
Concen: 3.142 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF118691.D
Acq: 24 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	19.0	28.4
125	14.1	7.6	11.4





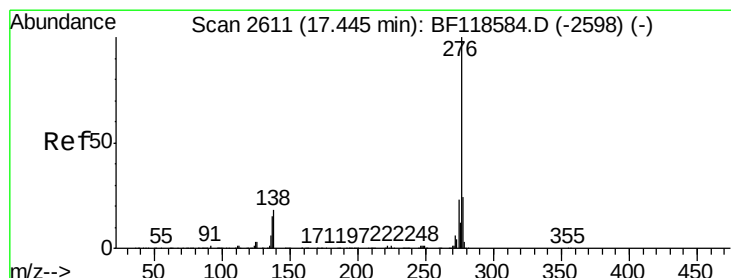
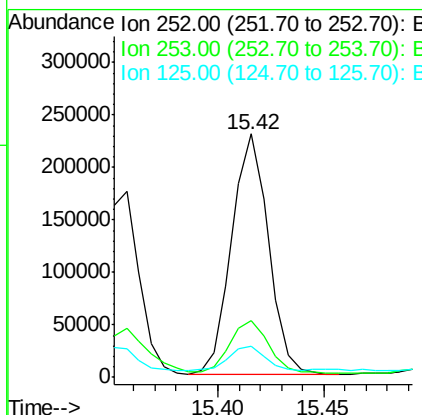
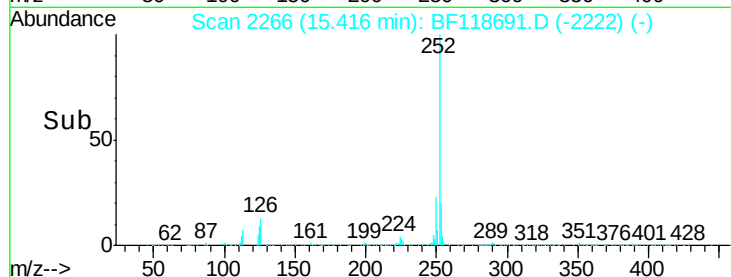
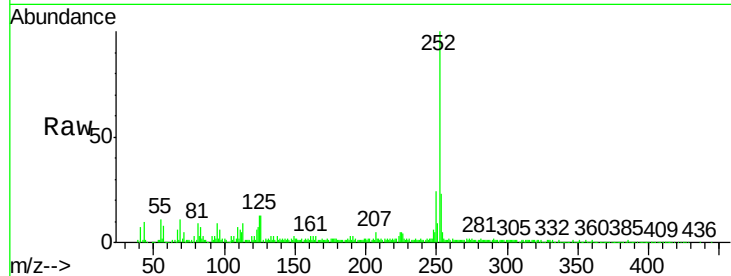
#90
Benzo(a)pyrene
Concen: 7.053 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.04 min
Lab File: BF118691.D
Acq: 24 Jan 2020 17:49

Instrument :
BNA_F
ClientSampleId :
CTY-SB-04-0-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.8	28.2
125	12.9	7.8	11.6

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#92
Benzo(g,h,i)perylene
Concen: 4.736 ng
RT: 17.39 min Scan# 2601
Delta R.T. -0.06 min
Lab File: BF118691.D
Acq: 24 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.9	28.3
138	20.4	14.4	21.6

