

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\
 Data File : BF119463.D
 Acq On : 20 Mar 2020 3:13
 Operator : CG/JU
 Sample : L1913-15
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MK-031220-2-5-COMP-B4

Manual Integrations
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Quant Time: Mar 20 06:49:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	310019	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1080726	20.00	ng	-0.01
39) Acenaphthene-d10	9.89	164	457419	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	782103	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	601039	20.00	ng	0.00
87) Perylene-d12	15.50	264	504326	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1726502	88.65	ng	0.00
7) Phenol-d6	6.47	99	2137421	85.92	ng	0.00
23) Nitrobenzene-d5	7.41	82	1312442	66.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	411404	87.18	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	2041162	66.11	ng	0.00
79) Terphenyl-d14	12.97	244	1981343	64.59	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.60	163	248311	7.643	ng	100
71) Phenanthrene	11.40	178	169498	4.180	ng	97
75) Fluoranthene	12.60	202	536564	12.225	ng	95
78) Pyrene	12.83	202	596700	12.097	ng	98
81) Benzo(a)anthracene	14.02	228	310375	7.941	ng	94
83) Chrysene	14.05	228	310047	7.686	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	123975	3.263	ng	96
88) Benzo(b)fluoranthene	15.07	252	334964m	9.943	ng	
89) Benzo(k)fluoranthene	15.09	252	96832m	3.019	ng	
90) Benzo(a)pyrene	15.43	252	232618	7.598	ng	97
92) Benzo(g,h,i)perylene	17.41	276	125741	4.674	ng	99

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

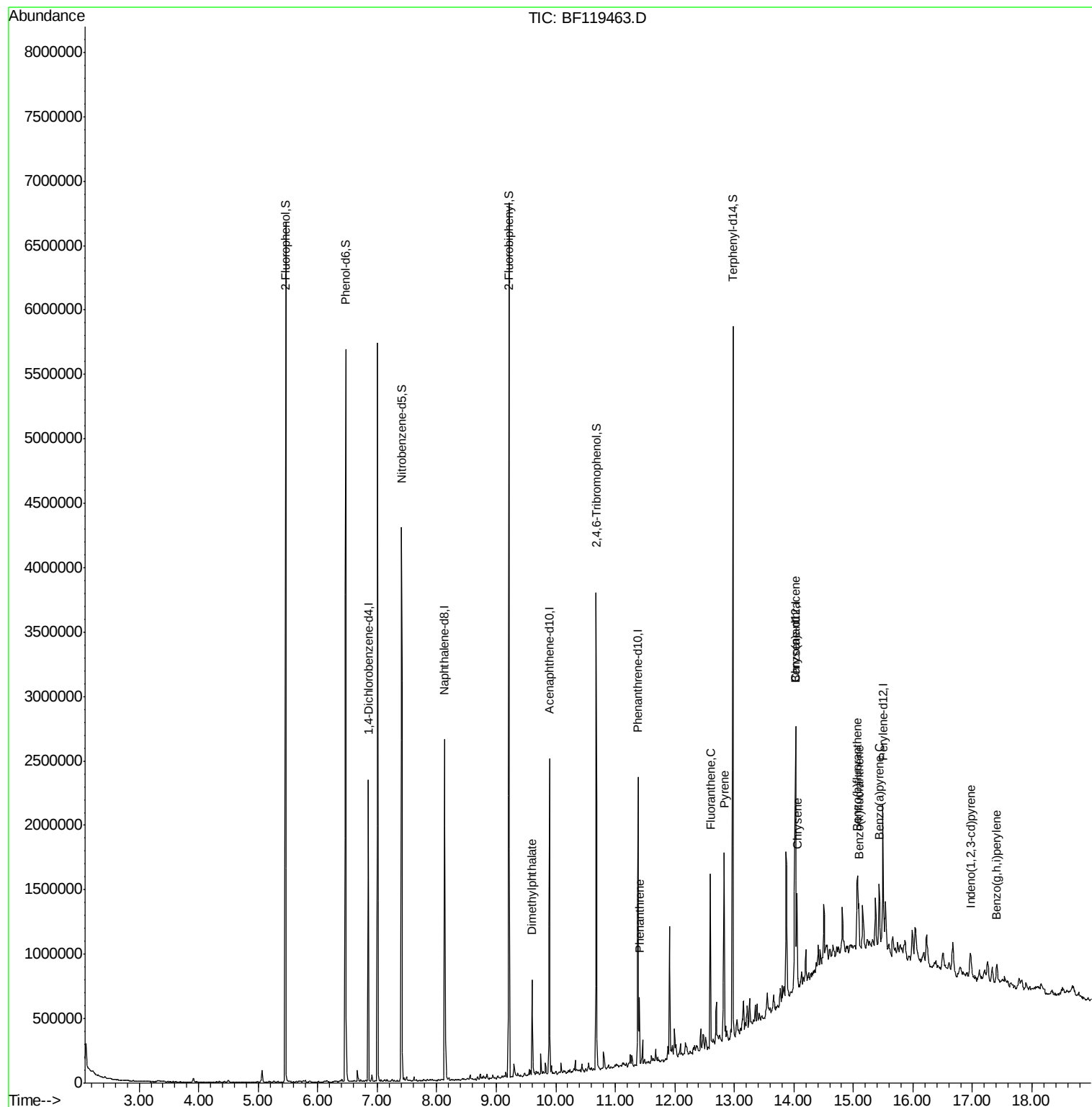
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\
Data File : BF119463.D
Acq On : 20 Mar 2020 3:13
Operator : CG/JU
Sample : L1913-15
Misc :
ALS Vial : 23 Sample Multiplier: 1

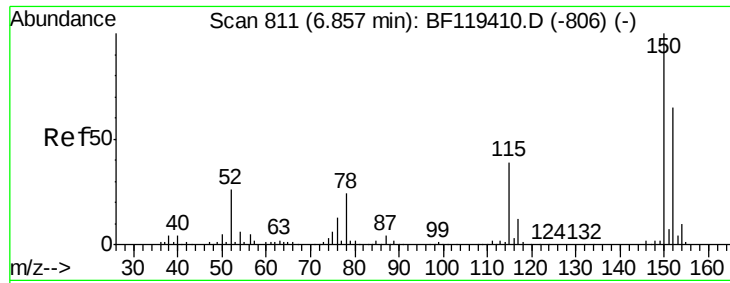
Instrument :
BNA_F
ClientSampleId :
MK-031220-2-5-COMP-B4

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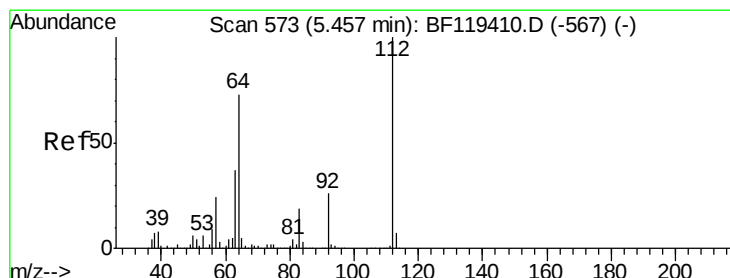
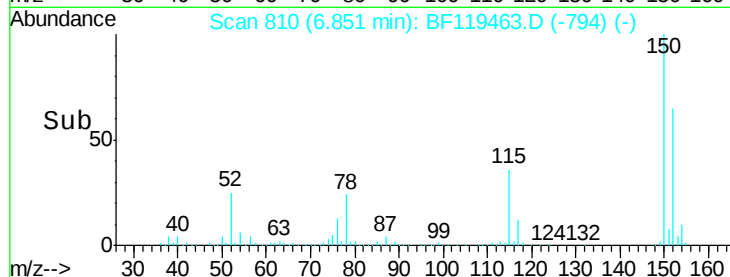
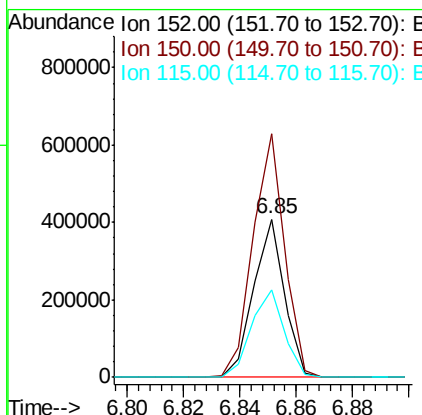
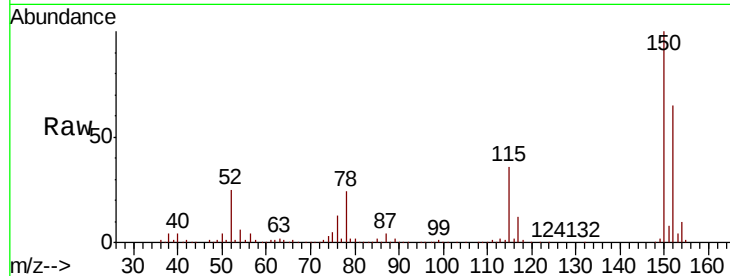
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Instrument :
BNA_F
ClientSampleId :
MK-031220-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	123.9	185.9
115	55.7	47.8	71.6

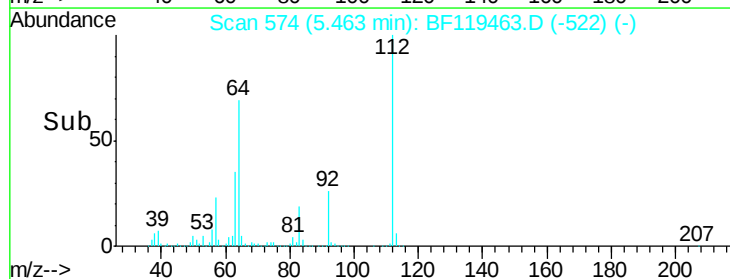
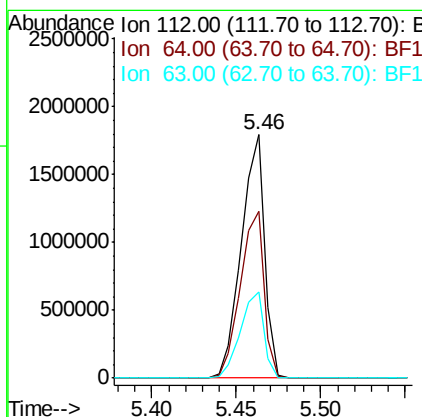
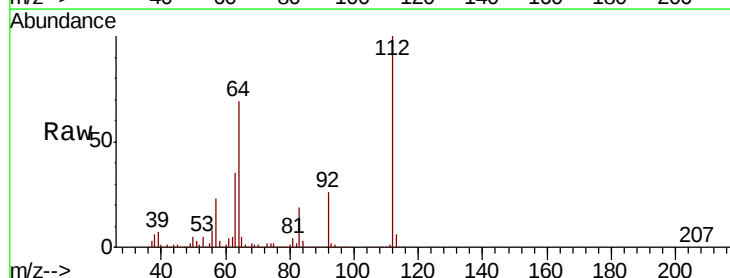
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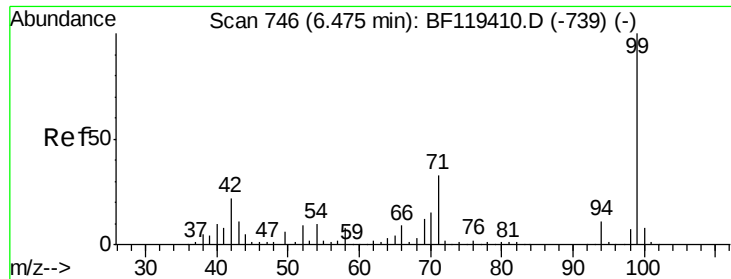
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#5
2-Fluorophenol
Concen: 88.654 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.7	58.1	87.1
63	35.2	29.7	44.5





#7

Phenol-d6

Concen: 85.918 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

Instrument :

BNA_F

ClientSampleId :

MK-031220-2-5-COMP-B4

Tot Ion: 99 Resp: 2137421

Ion Ratio Lower Upper

99 100

42 21.4 17.8 26.6

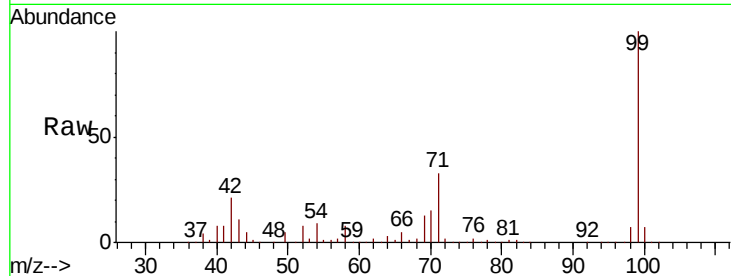
71 32.9 26.0 39.0

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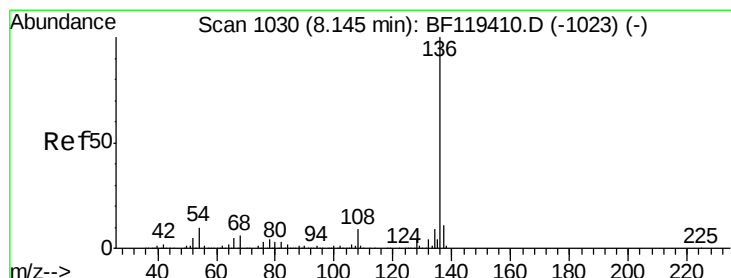
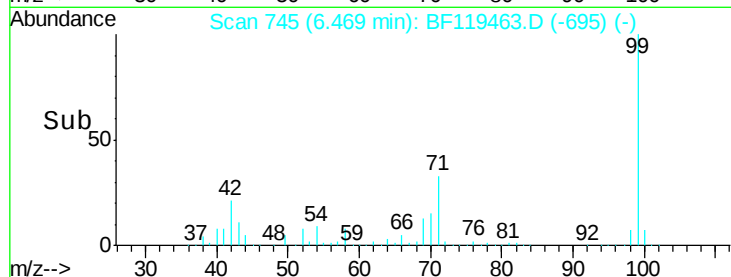
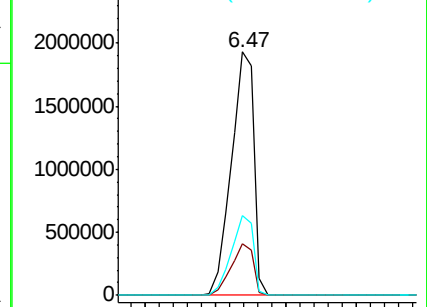
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

Tgt Ion: 136 Resp: 1080726

Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 11.4 8.3 12.5

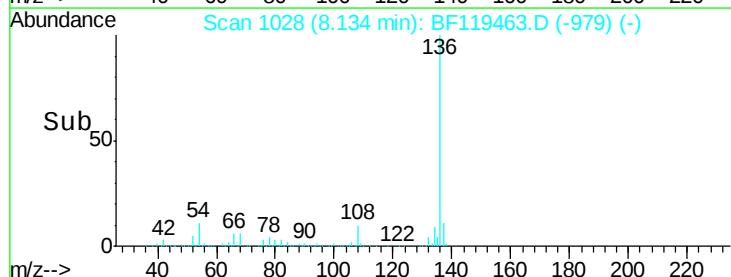
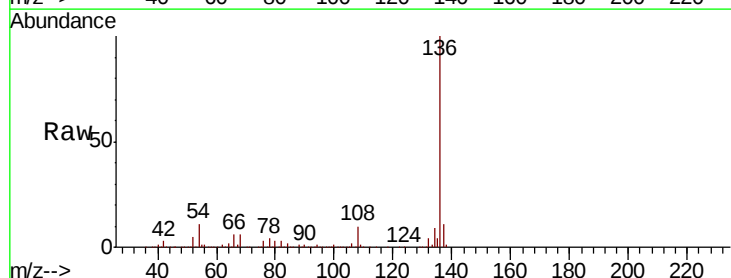
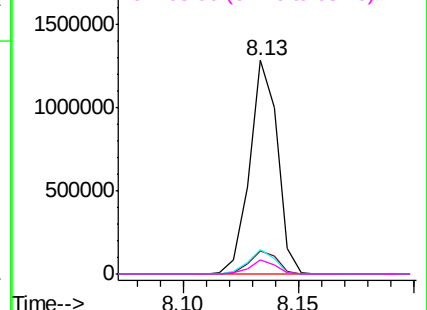
68 6.4 4.9 7.3

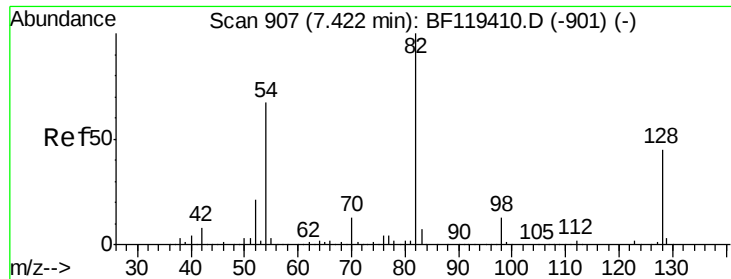
Abundance Ion 136.00 (135.70 to 136.70): E

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





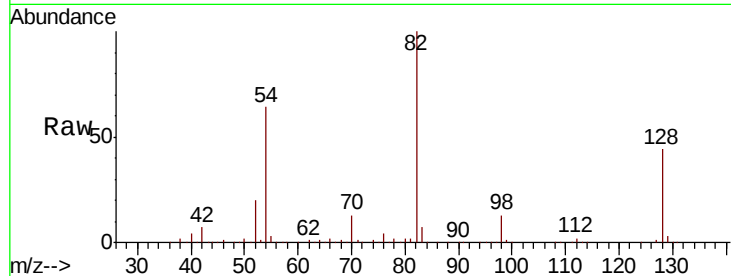
#23
Nitrobenzene-d5
Concen: 66.000 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Instrument :
BNA_F
ClientSampleId :
MK-031220-2-5-COMP-B4

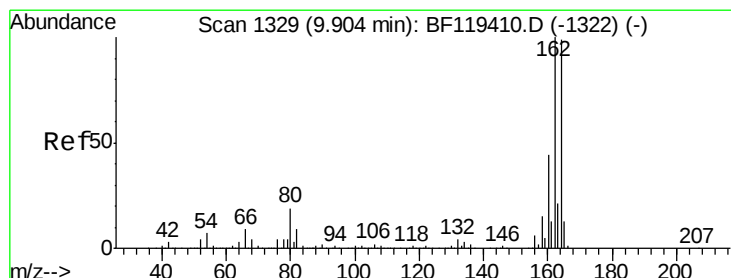
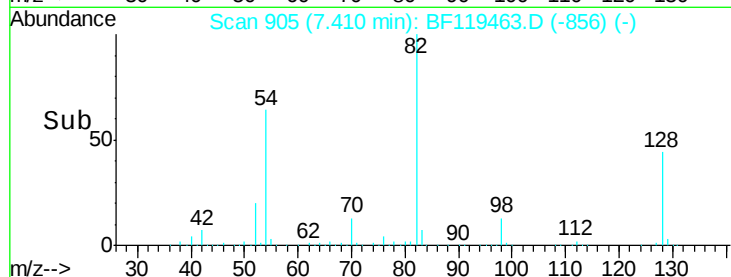
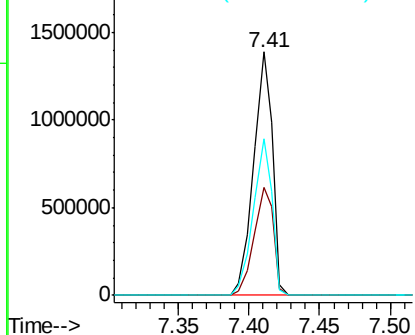
Tot Ion: 82 Resp: 1312442
Ion Ratio Lower Upper
82 100
128 44.1 35.8 53.8
54 64.2 53.4 80.0

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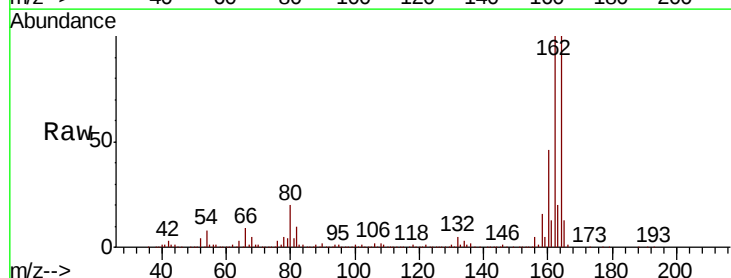


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

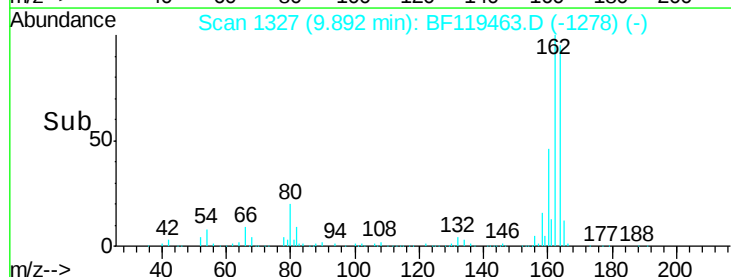
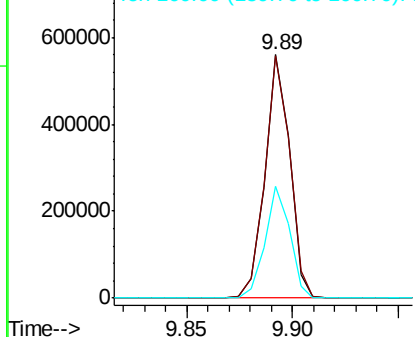


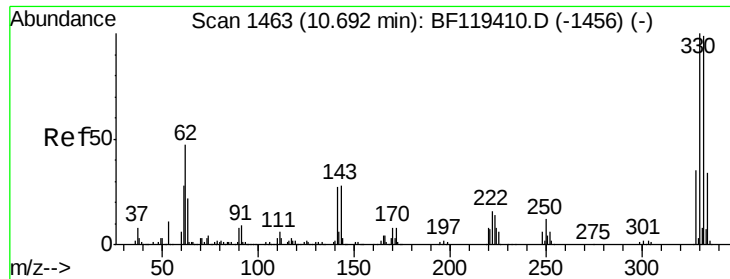
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Tgt Ion: 164 Resp: 457419
Ion Ratio Lower Upper
164 100
162 99.7 80.7 121.1
160 45.8 35.5 53.3



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





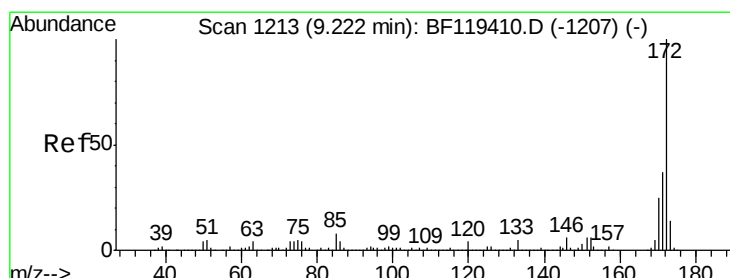
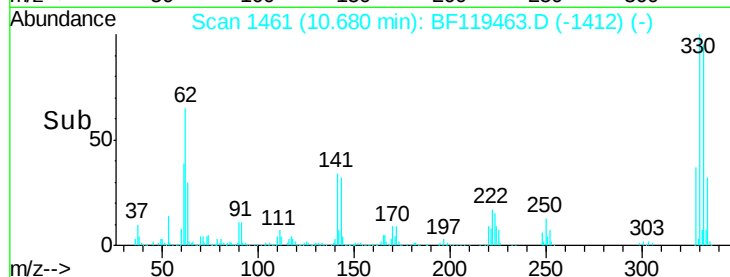
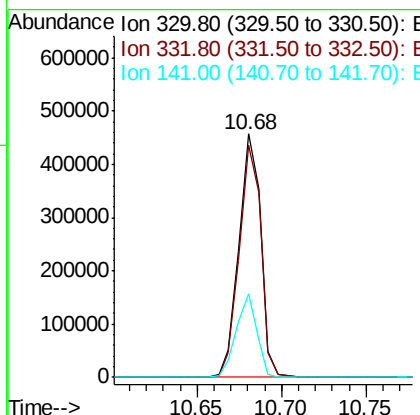
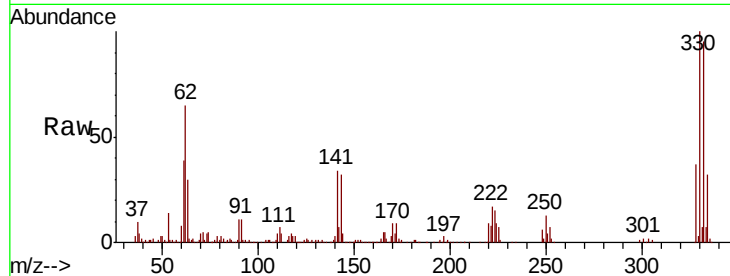
#42
 2,4,6-Tribromophenol
 Concen: 87.180 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF119463.D
 Acq: 20 Mar 2020 3:13

Instrument :
 BNA_F
 ClientSampleId :
 MK-031220-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.6	116.4
141	32.0	26.6	40.0

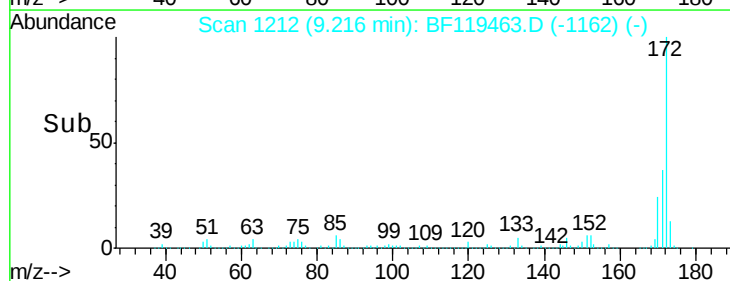
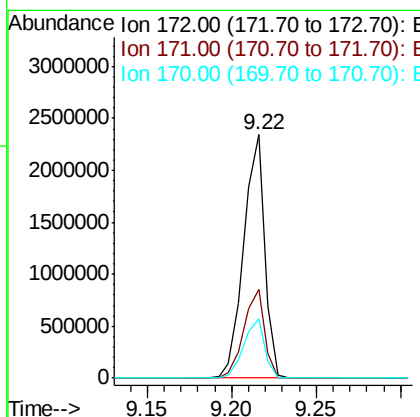
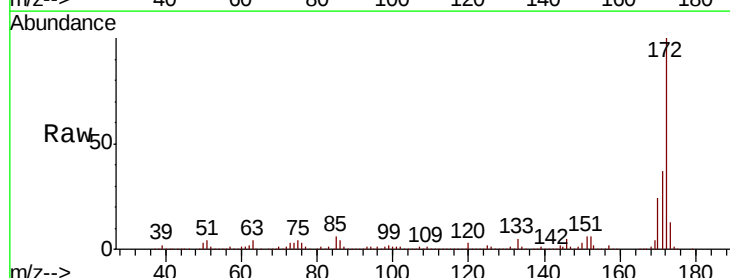
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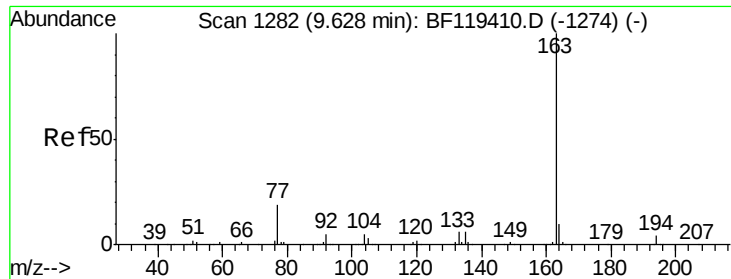
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#45
 2-Fluorobiphenyl
 Concen: 66.108 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF119463.D
 Acq: 20 Mar 2020 3:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	24.3	20.1	30.1





#50

Dimethylphthalate

Concen: 7.643 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

Instrument :

BNA_F

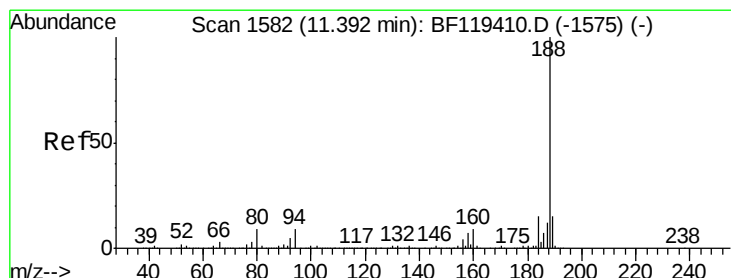
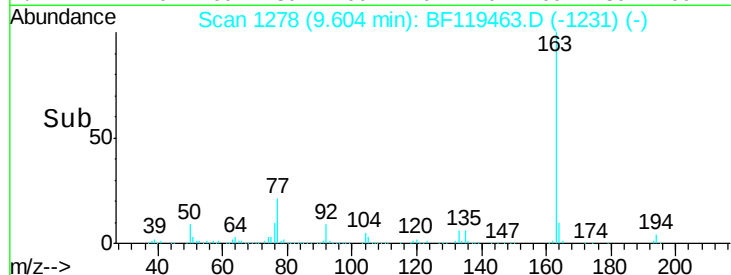
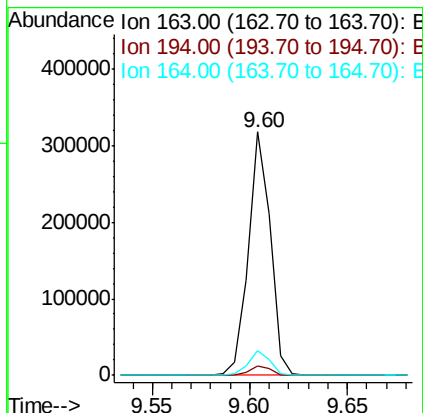
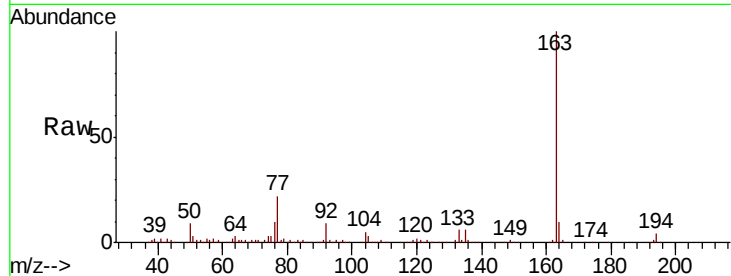
ClientSampleId :

MK-031220-2-5-COMP-B4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		248311		
194	4.0		3.2	4.8	
164	10.3		8.1	12.1	

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#64

Phenanthrene-d10

Concen: 20.000 ng

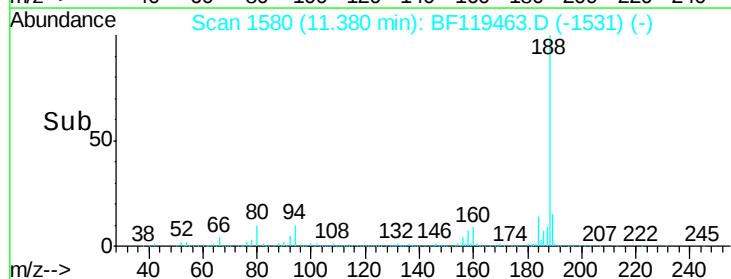
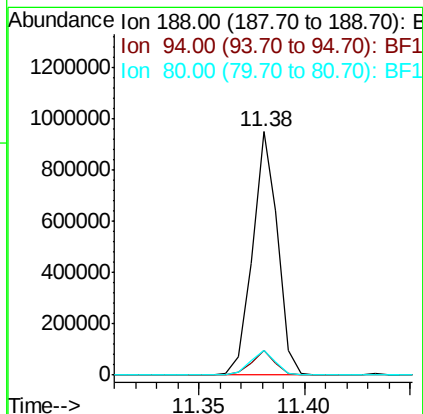
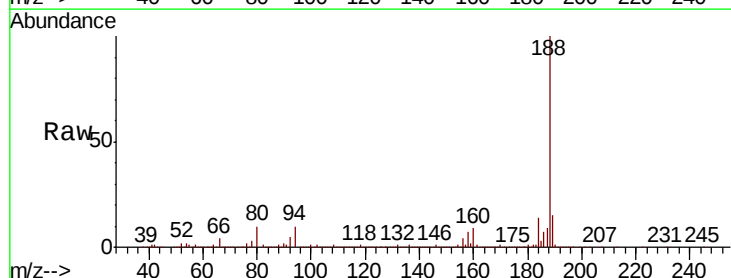
RT: 11.38 min Scan# 1580

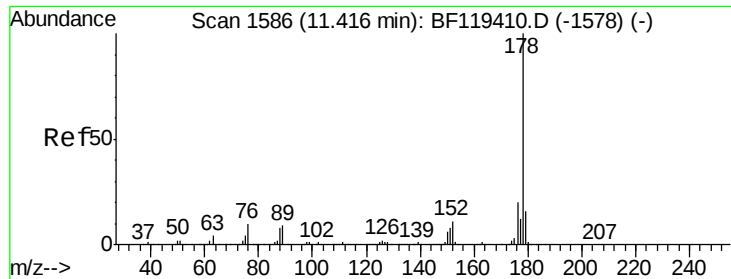
Delta R.T. -0.01 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		782103		
94	10.0		7.1	10.7	
80	10.2		7.5	11.3	





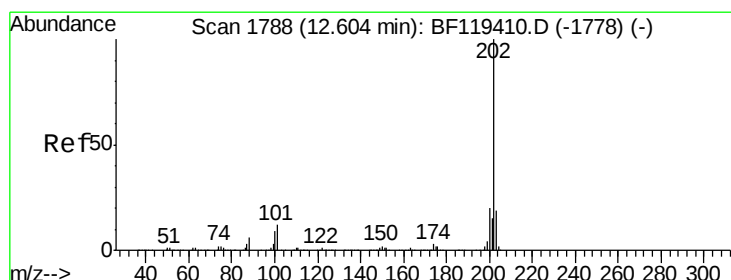
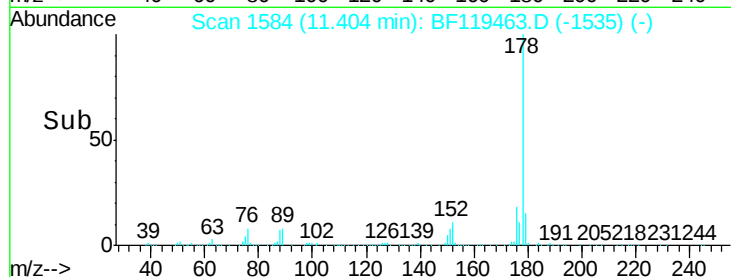
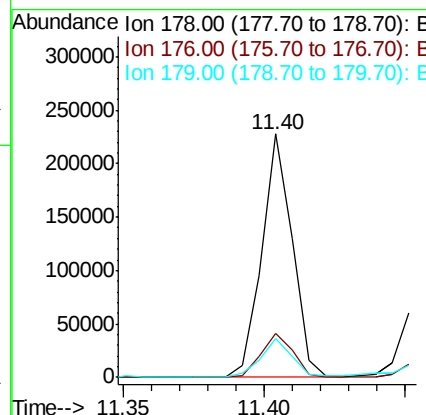
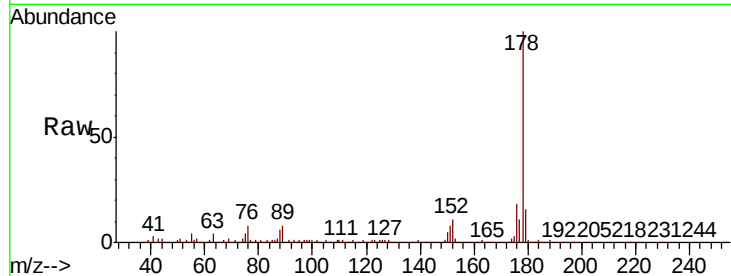
#71
Phenanthrene
Concen: 4.180 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Instrument :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.2	24.4
179	15.7	12.9	19.3

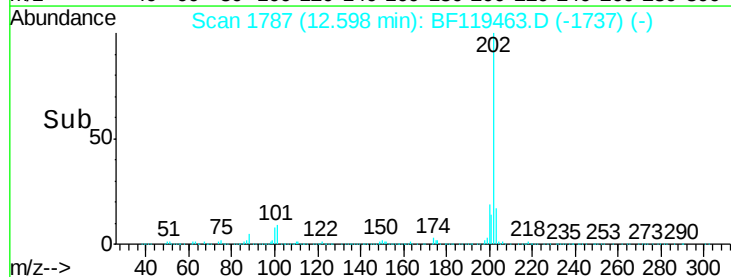
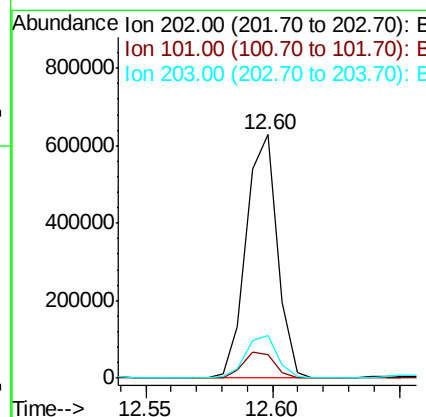
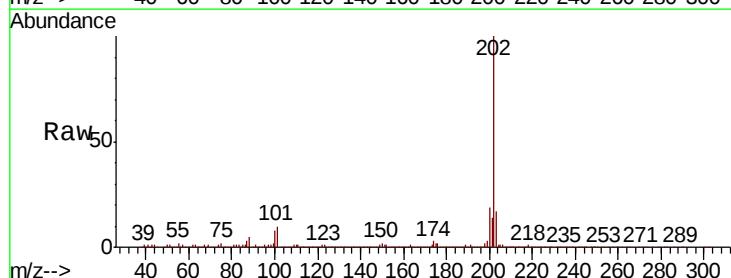
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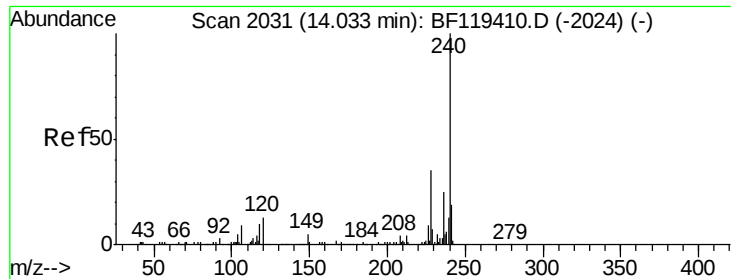
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#75
Fluoranthene
Concen: 12.225 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	32.4
203	17.3	0.0	38.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF119463.D

Acq: 20 Mar 2020 3:13

Instrument :

BNA_F

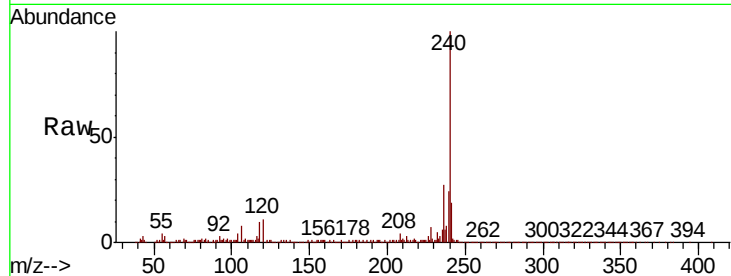
ClientSampleId :

MK-031220-2-5-COMP-B4

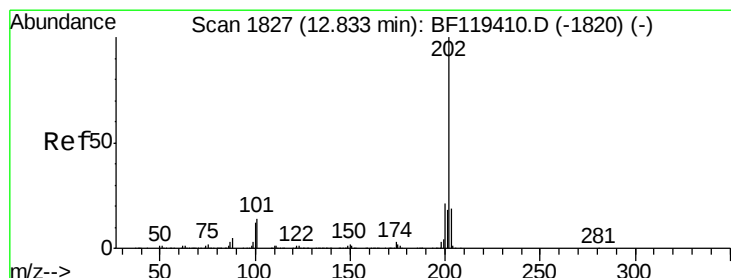
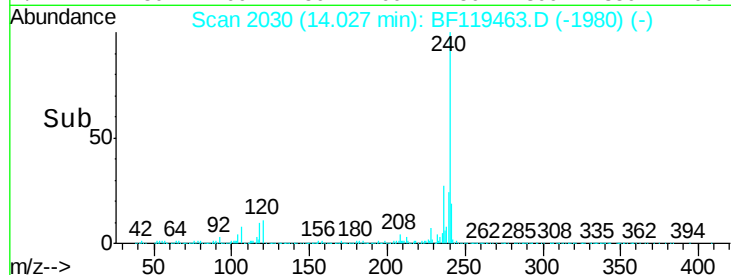
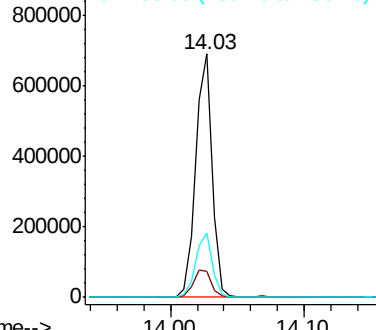
Tot Ion:	240	Resp:	601039
Ion Ratio		Lower	Upper
240	100		
120	10.8	10.2	15.4
236	26.7	20.4	30.6

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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

Pyrene

Concen: 12.097 ng

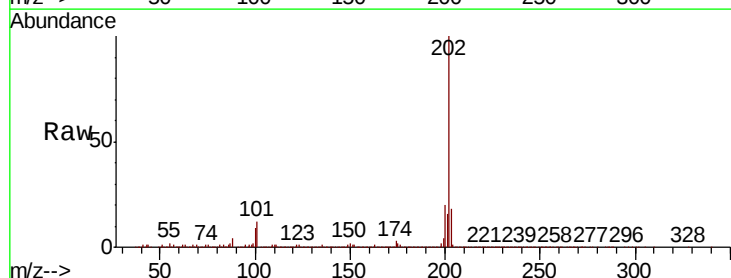
RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

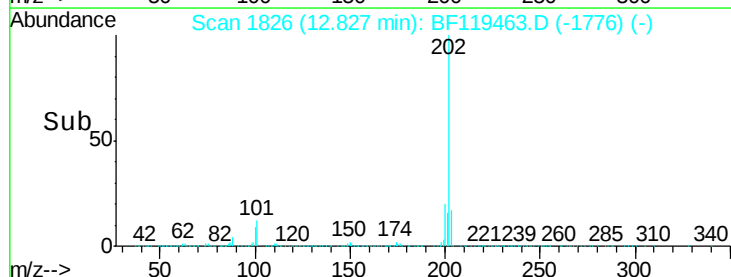
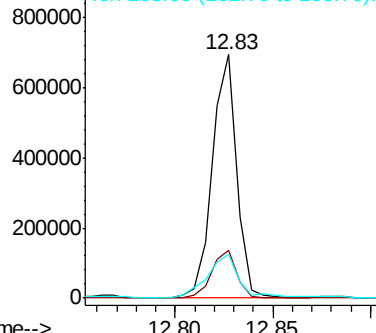
Lab File: BF119463.D

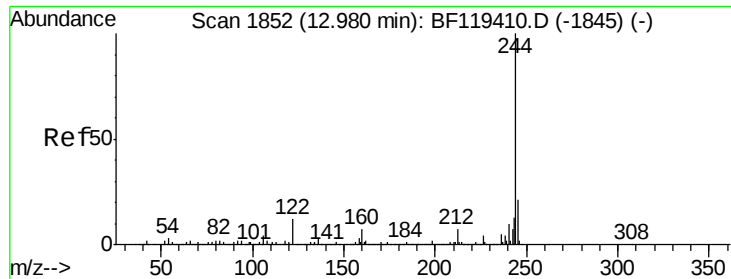
Acq: 20 Mar 2020 3:13

Tgt Ion:	202	Resp:	596700
Ion Ratio		Lower	Upper
202	100		
200	19.7	16.8	25.2
203	17.9	14.8	22.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





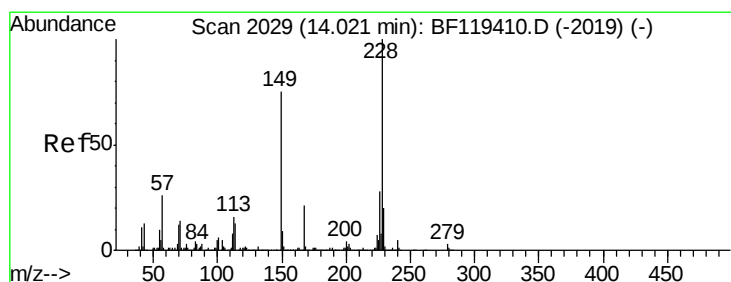
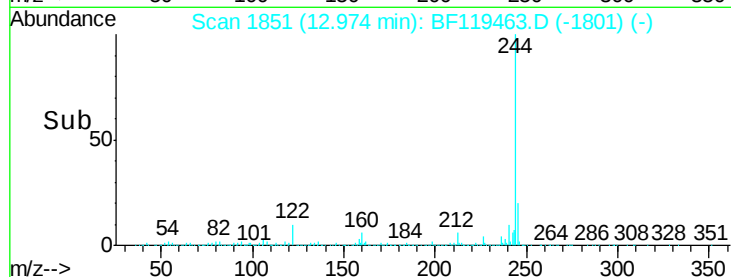
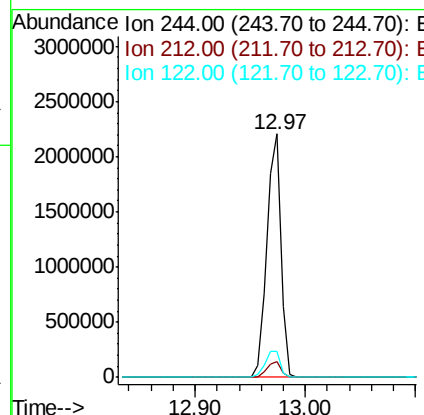
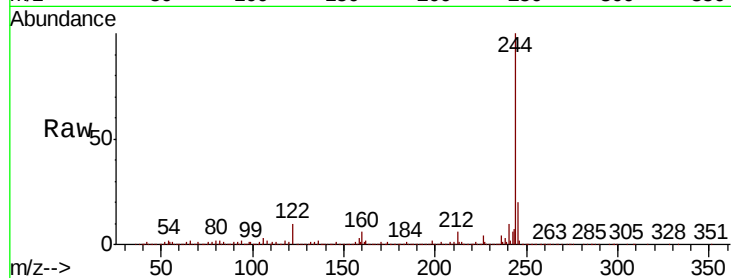
#79
 Terphenyl-d14
 Concen: 64.586 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF119463.D
 Acq: 20 Mar 2020 3:13

Instrument :
 BNA_F
 ClientSampleId :
 MK-031220-2-5-COMP-B4

Tot Ion:244 Resp: 1981343
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.7 8.5
 122 10.5 9.8 14.8

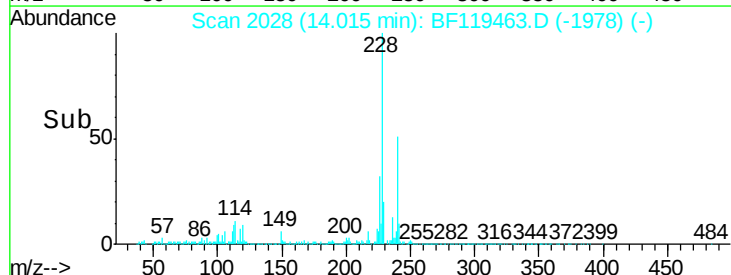
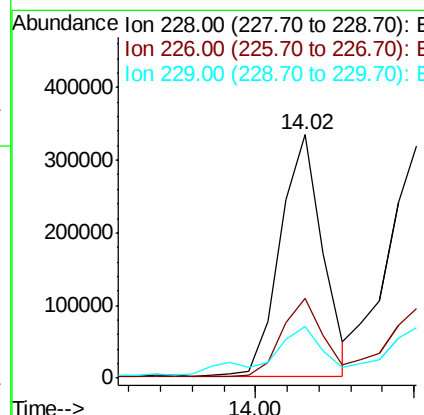
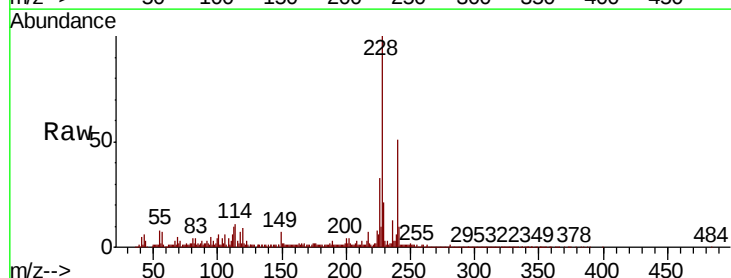
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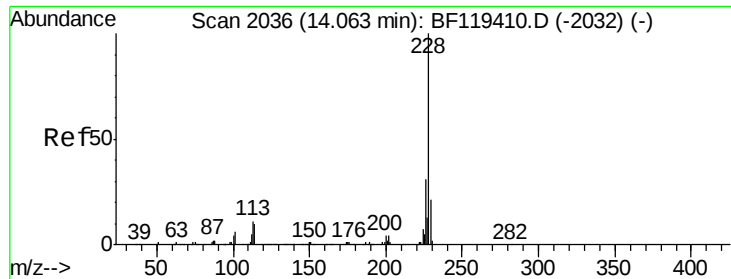
mohammad
 3/20/2020 11:47:41 AM



#81
 Benzo(a)anthracene
 Concen: 7.941 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF119463.D
 Acq: 20 Mar 2020 3:13

Tgt Ion:228 Resp: 310375
 Ion Ratio Lower Upper
 228 100
 226 32.7 22.3 33.5
 229 21.1 16.3 24.5





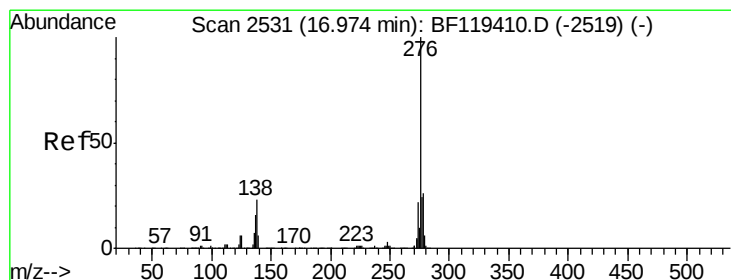
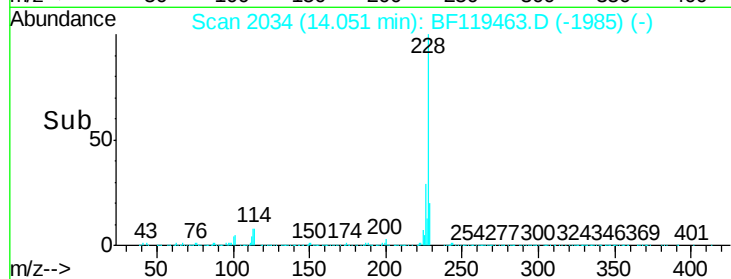
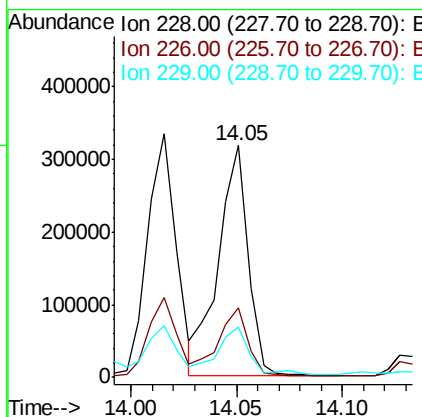
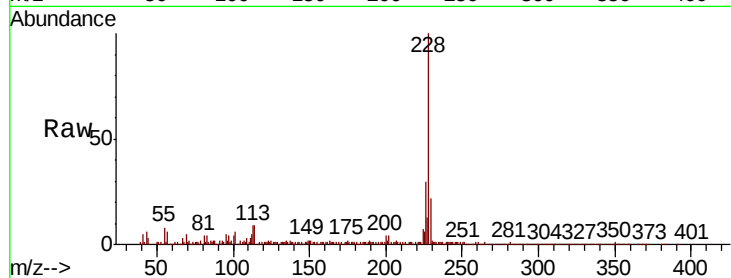
#83
Chrysene
Concen: 7.686 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Instrument :
BNA_F
ClientSampleId :
MK-031220-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.8	37.2
229	21.9	16.6	25.0

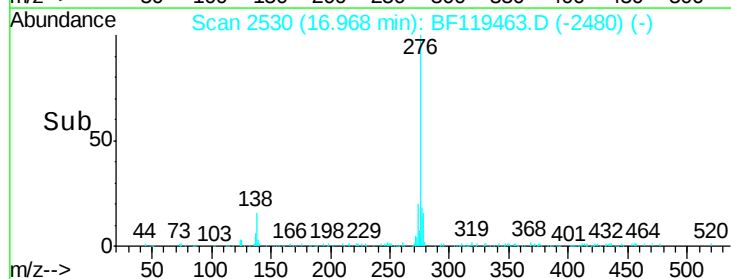
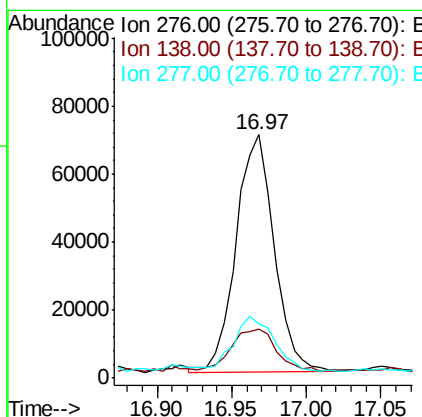
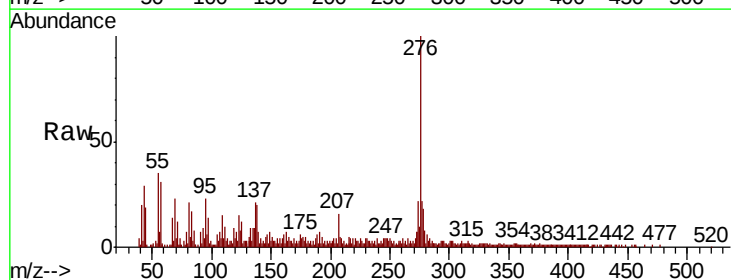
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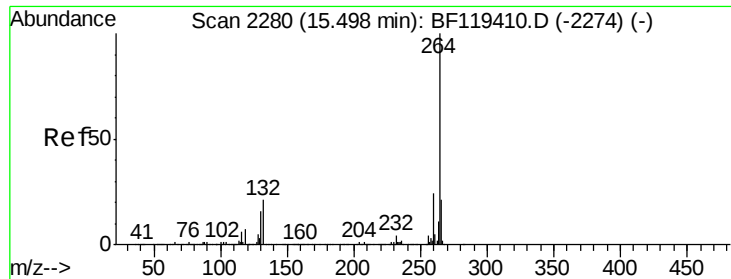
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.263 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	21.3	31.9
277	25.2	20.2	30.2





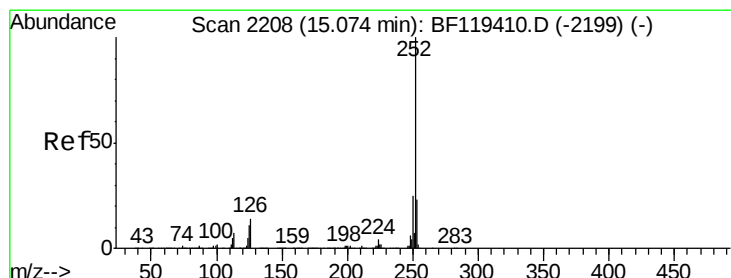
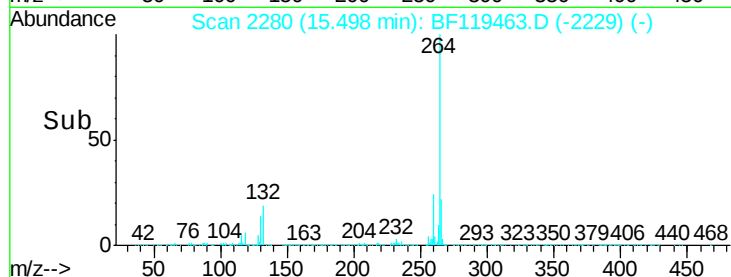
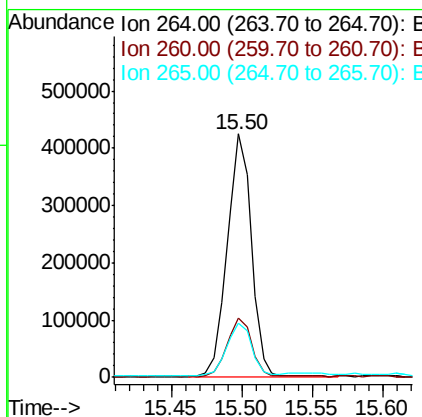
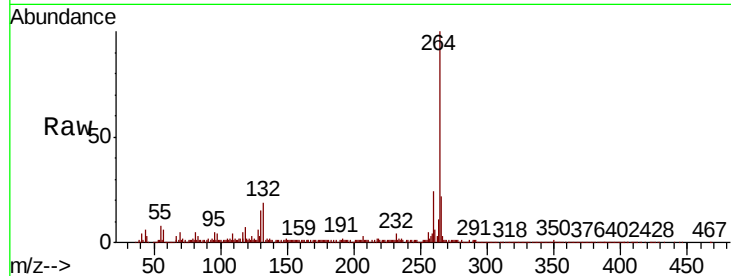
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Instrument :
BNA_F
ClientSampleId :
MK-031220-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.1	16.9	25.3

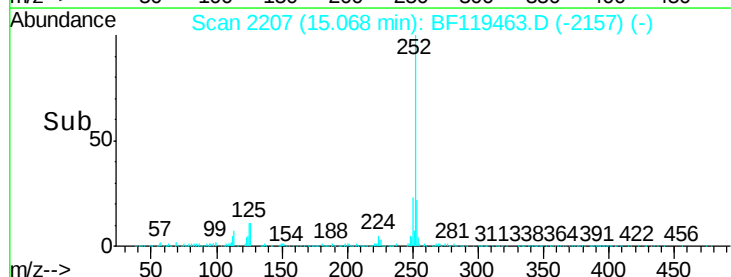
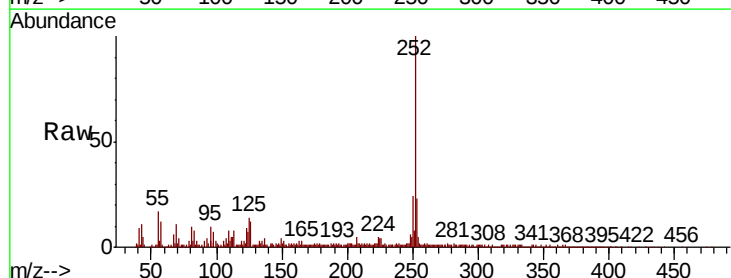
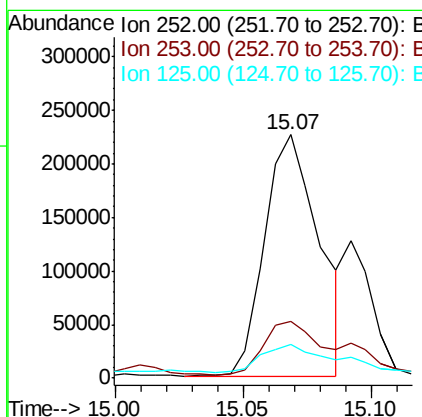
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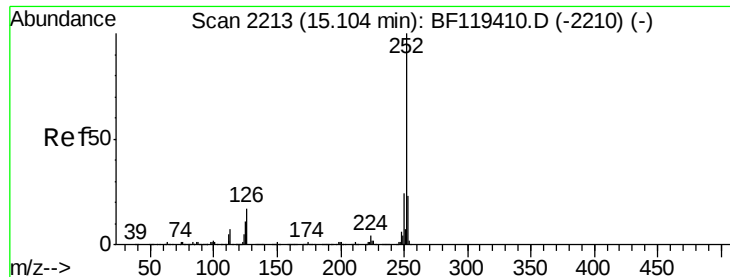
mohammad
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#88
Benzo(b)fluoranthene
Concen: 9.943 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	14.0	8.8	13.2





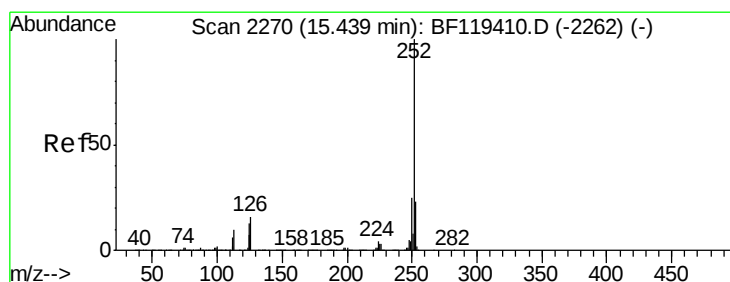
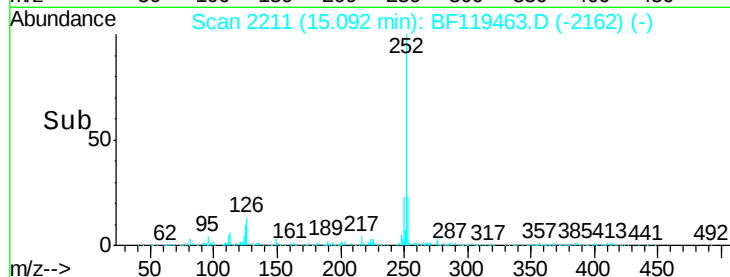
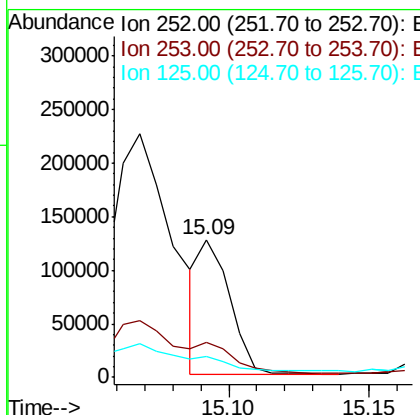
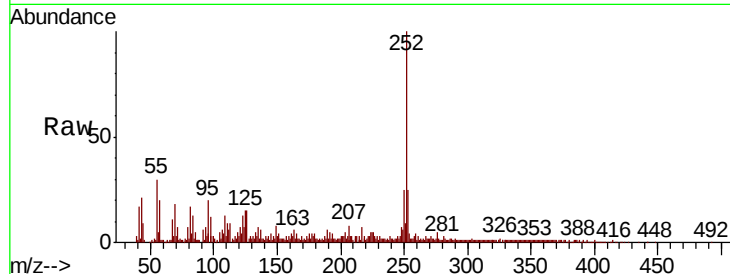
#89
Benzo(k)fluoranthene
Concen: 3.019 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Instrument :
BNA_F
ClientSampleId :
MK-031220-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.2	27.4
125	14.8	9.0	13.4

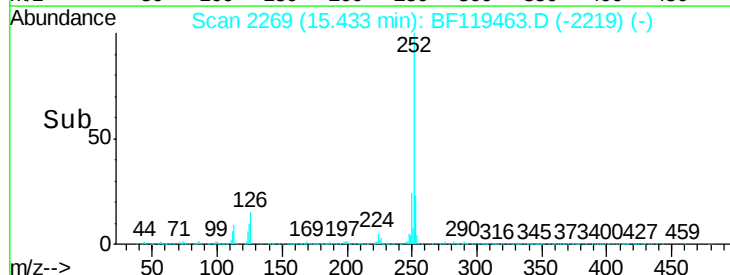
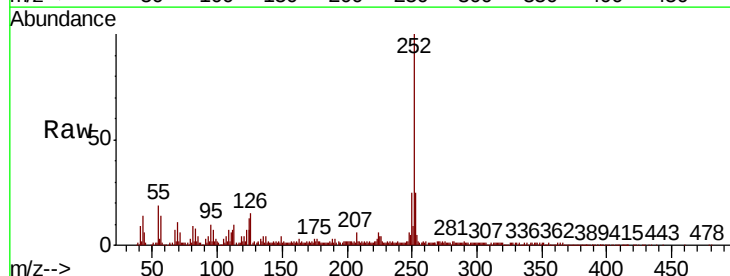
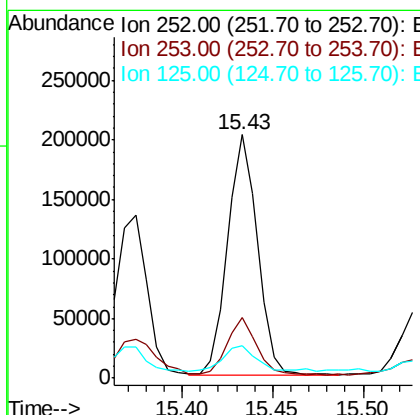
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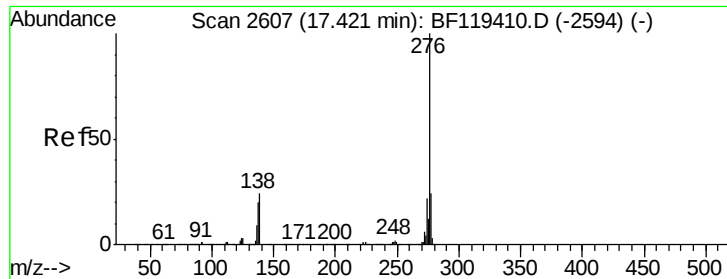
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#90
Benzo(a)pyrene
Concen: 7.598 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF119463.D
Acq: 20 Mar 2020 3:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	13.4	10.2	15.2





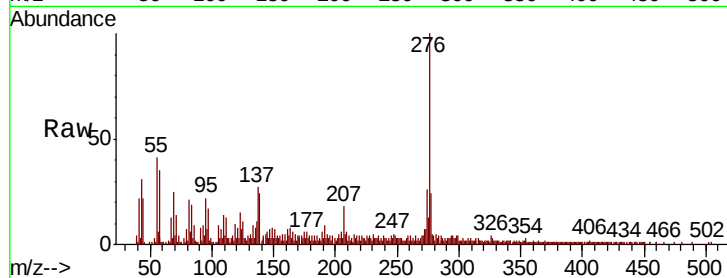
#92
 Benzo(a,h,i)perylene
 Concen: 4.674 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. -0.01 min
 Lab File: BF119463.D
 Acq: 20 Mar 2020 3:13

Instrument :
 BNA_F
 ClientSampleId :
 MK-031220-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	24.2	19.1	28.7

Manual Integrations
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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

