

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\
 Data File : BF119460.D
 Acq On : 20 Mar 2020 1:46
 Operator : CG/JU
 Sample : L1913-14 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MK-031220-0-2-COMP-B4

Manual Integrations
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mohammad
 3/20/2020 11:47:35 AM

Quant Time: Mar 20 05:47:30 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	339342	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	1272720	20.00	ng	-0.01
39) Acenaphthene-d10	9.89	164	585098	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	912356	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	644281	20.00	ng	-0.01
87) Perylene-d12	15.49	264	619396	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	827188	38.80	ng	0.00
7) Phenol-d6	6.46	99	1024925	37.64	ng	-0.01
23) Nitrobenzene-d5	7.40	82	605478	25.86	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	182605	30.25	ng	-0.02
45) 2-Fluorobiphenyl	9.21	172	1123945	28.46	ng	-0.01
79) Terphenyl-d14	12.97	244	885953	26.94	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.60	163	151032	3.634	ng	99
71) Phenanthrene	11.40	178	190770	4.033	ng	96
72) Anthracene	11.45	178	124093	2.581	ng	98
75) Fluoranthene	12.59	202	504625	9.856	ng	98
78) Pyrene	12.82	202	517292	9.783	ng	98
81) Benzo(a)anthracene	14.01	228	277153	6.615	ng	95
83) Chrysene	14.04	228	240425	5.560	ng	98
86) Indeno(1,2,3-cd)pyrene	16.95	276	110322	2.709	ng	98
88) Benzo(b)fluoranthene	15.06	252	290349m	7.017	ng	
89) Benzo(k)fluoranthene	15.09	252	98713m	2.506	ng	
90) Benzo(a)pyrene	15.43	252	224693	5.976	ng	98
92) Benzo(a,h,i)perylene	17.40	276	107821	3.263	ng	96

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

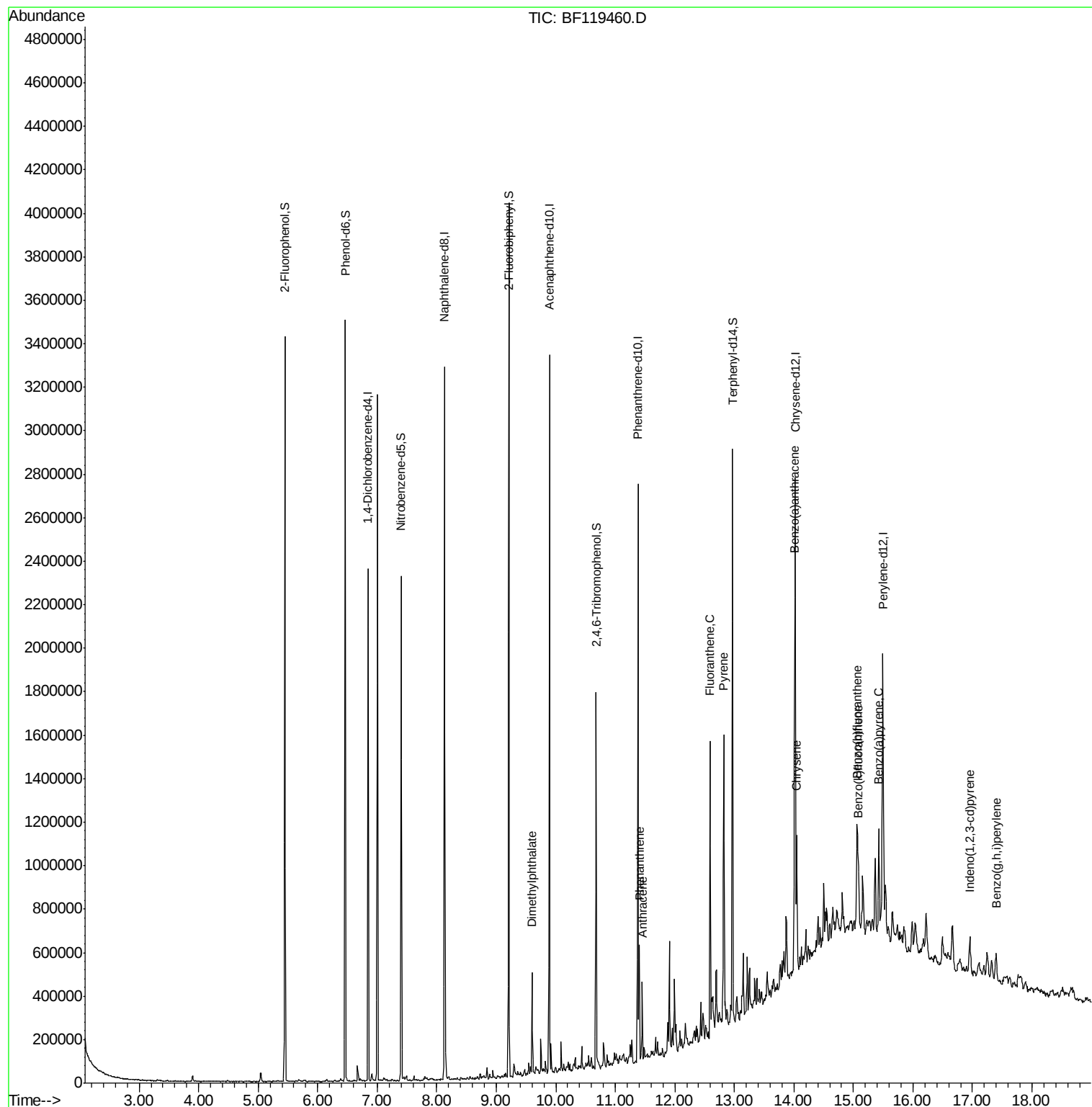
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\
Data File : BF119460.D
Acq On : 20 Mar 2020 1:46
Operator : CG/JU
Sample : L1913-14 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

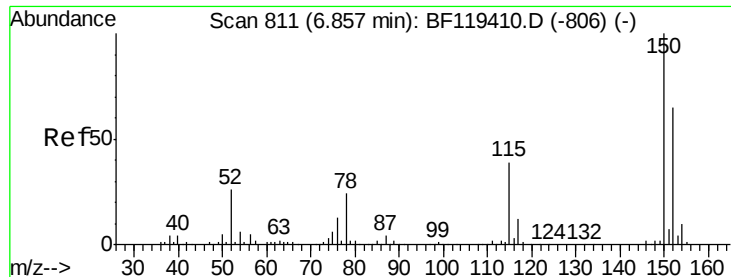
Instrument :
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MK-031220-0-2-COMP-B4

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#1

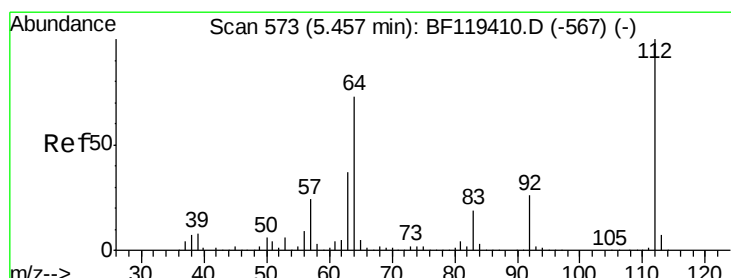
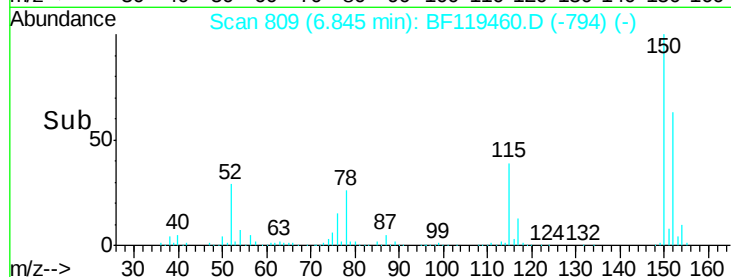
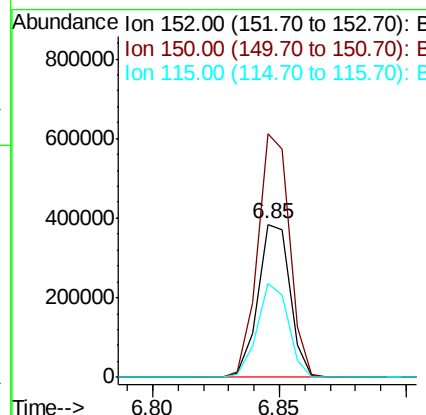
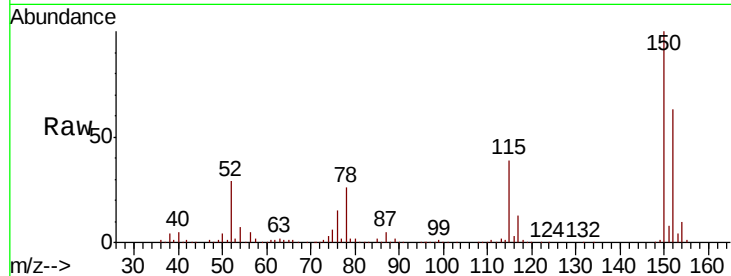
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF119460.D
Acq: 20 Mar 2020 1:46

Instrument :
BNA_F
ClientSampleId :
MK-031220-0-2-COMP-B4

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	123.9	185.9
115	61.6	47.8	71.6

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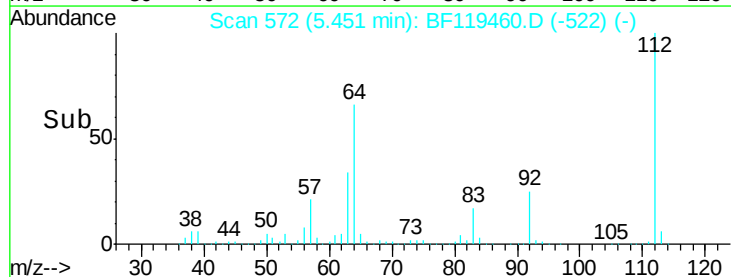
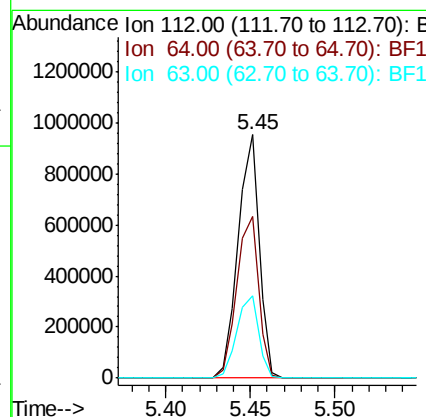
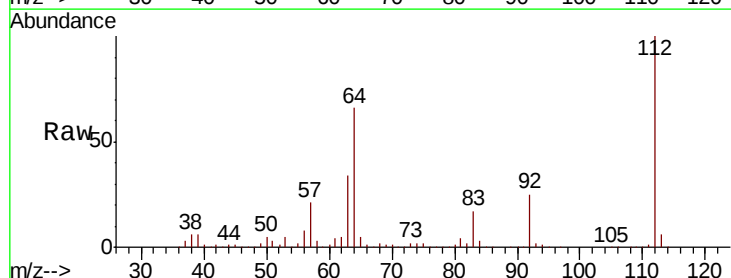
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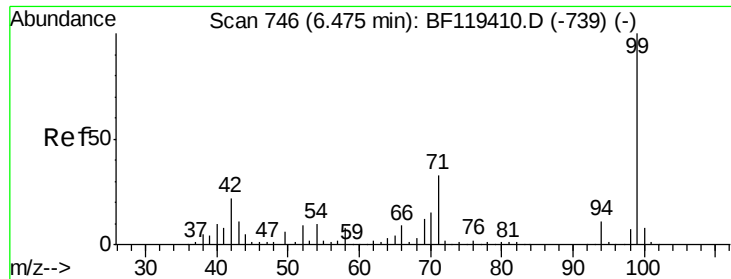


#5

2-Fluorophenol
Concen: 38.805 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF119460.D
Acq: 20 Mar 2020 1:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	58.1	87.1
63	33.6	29.7	44.5





#7

Phenol-d6

Concen: 37.639 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF119460.D

Acq: 20 Mar 2020 1:46

Instrument :

BNA_F

ClientSampleId :

MK-031220-0-2-COMP-B4

Tot Ion: 99 Resp: 1024925

Ion Ratio Lower Upper

99 100

42 20.2 17.8 26.6

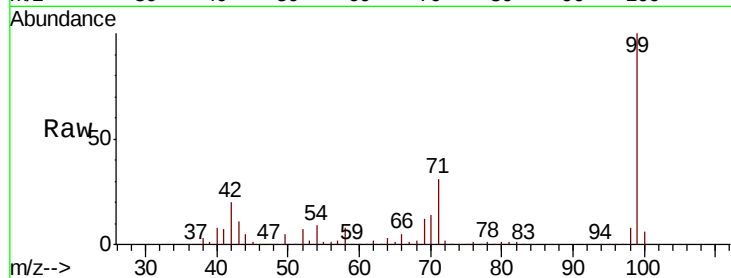
71 31.4 26.0 39.0

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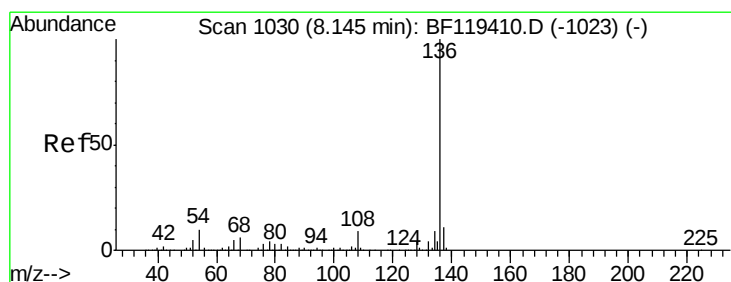
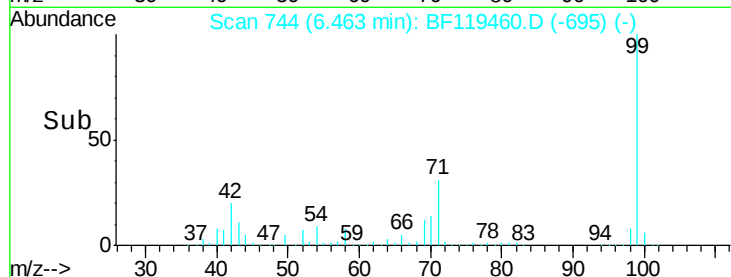
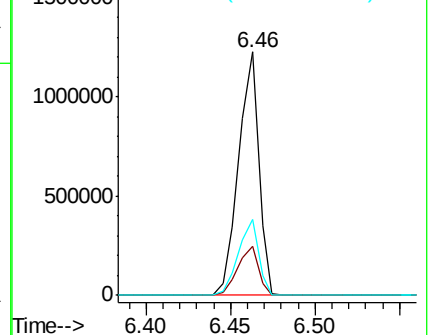
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF119460.D

Acq: 20 Mar 2020 1:46

Tgt Ion: 136 Resp: 1272720

Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 10.9 8.3 12.5

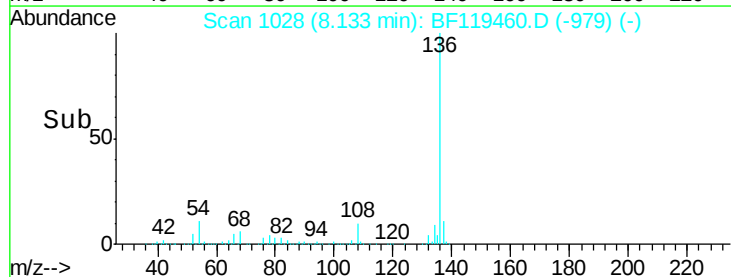
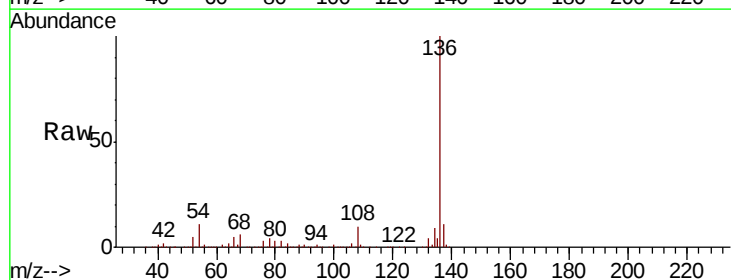
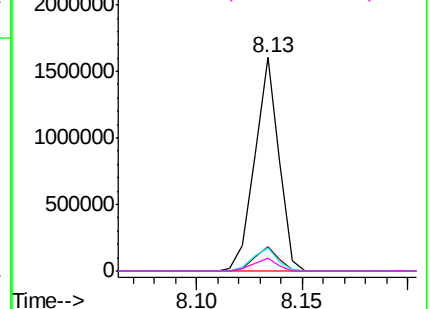
68 6.1 4.9 7.3

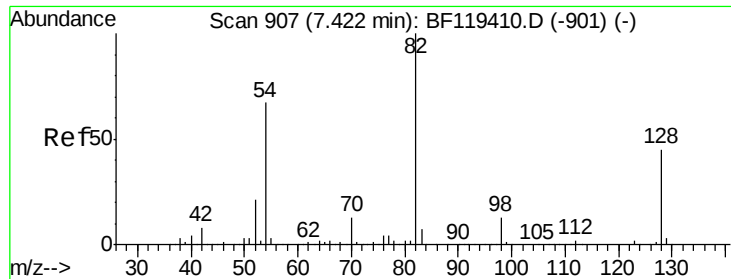
Abundance Ion 136.00 (135.70 to 136.70): E

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





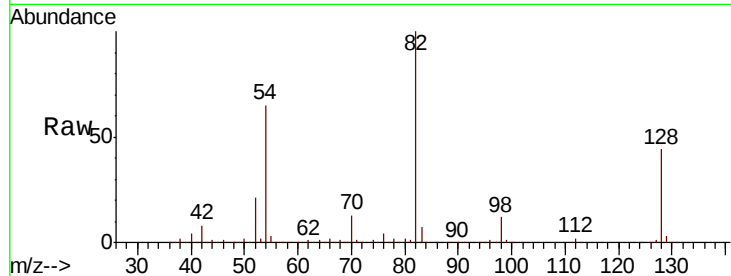
#23
Nitrobenzene-d5
Concen: 25.855 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.02 min
Lab File: BF119460.D
Acq: 20 Mar 2020 1:46

Instrument :
BNA_F
ClientSampleId :
MK-031220-0-2-COMP-B4

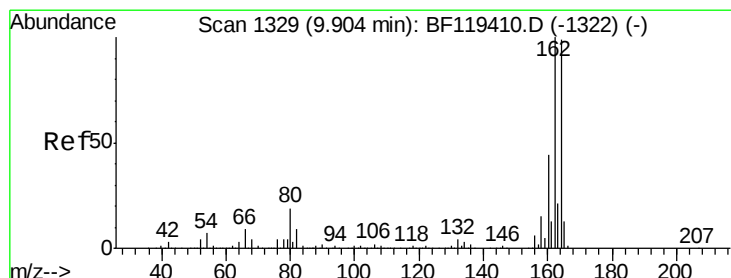
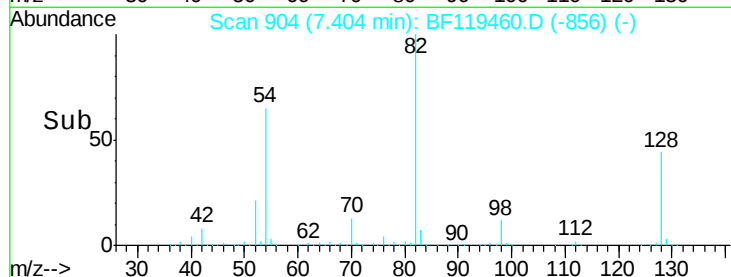
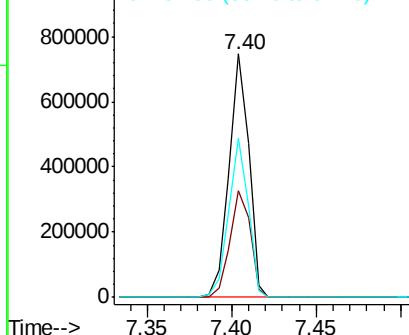
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	35.8	53.8
54	65.1	53.4	80.0

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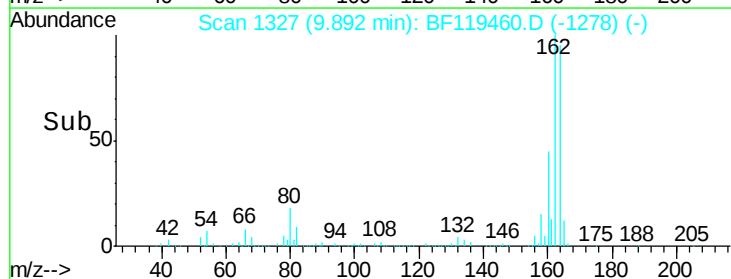
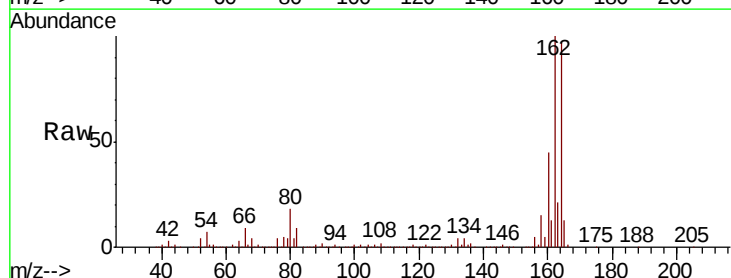
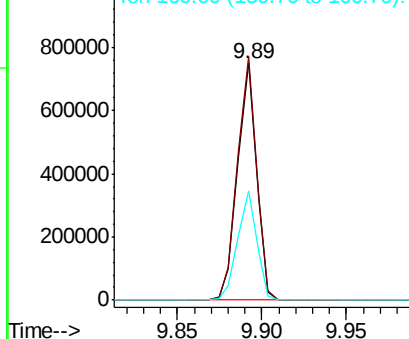
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF119460.D
Acq: 20 Mar 2020 1:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	80.7	121.1
160	46.3	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





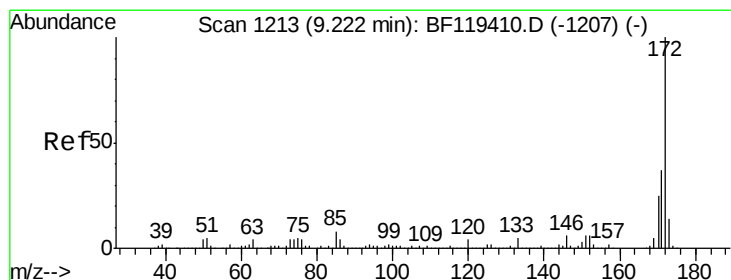
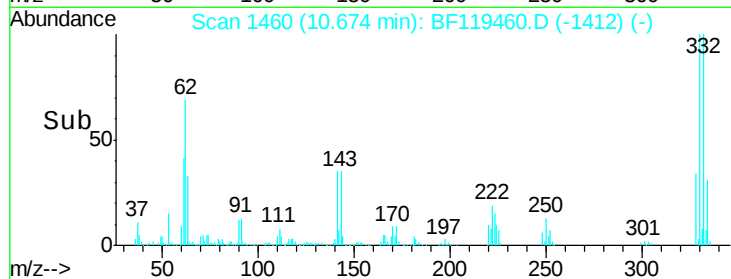
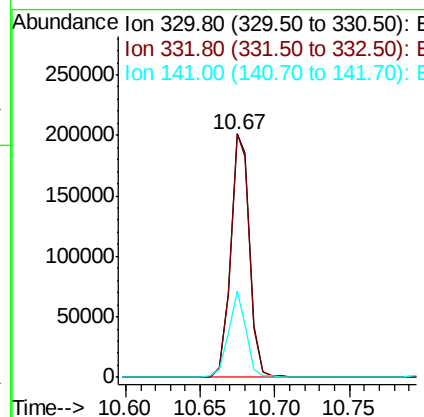
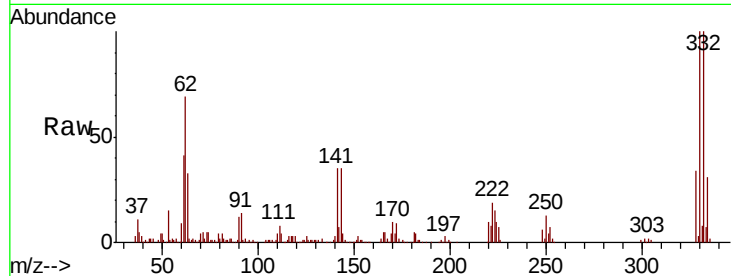
#42
 2,4,6-Tribromophenol
 Concen: 30.251 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.02 min
 Lab File: BF119460.D
 Acq: 20 Mar 2020 1:46

Instrument :
 BNA_F
 ClientSampleId :
 MK-031220-0-2-COMP-B4

Tot Ion	Ratio	Resp	Lower	Upper
330	100	182605		
332	98.4	77.6	116.4	
141	32.2	26.6	40.0	

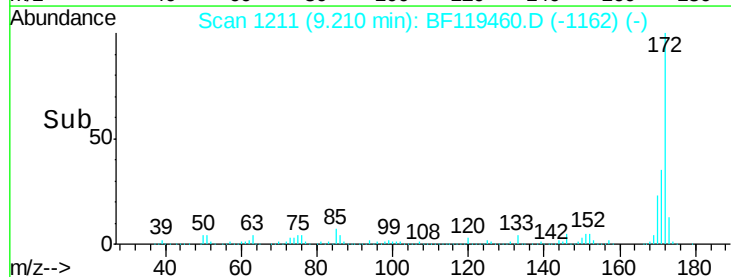
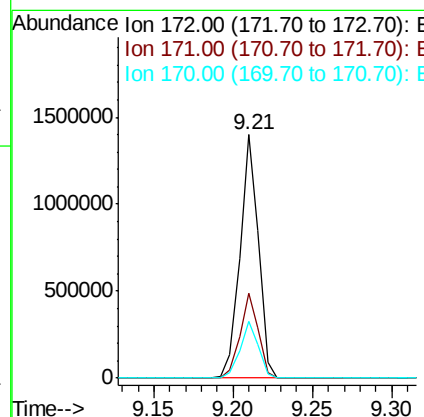
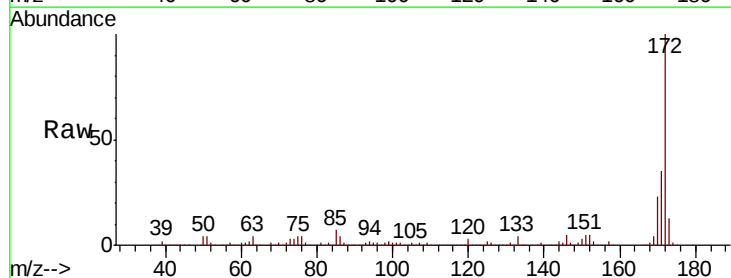
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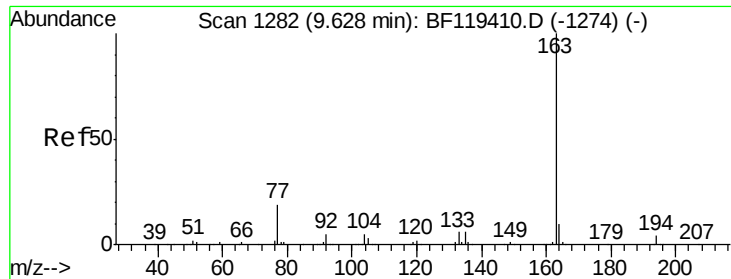
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#45
 2-Fluorobiphenyl
 Concen: 28.458 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF119460.D
 Acq: 20 Mar 2020 1:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1123945		
171	34.6	29.9	44.9	
170	23.3	20.1	30.1	





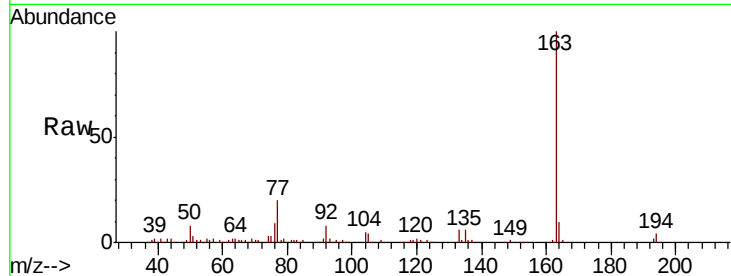
#50
Dimethylphthalate
Concen: 3.634 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF119460.D
Acq: 20 Mar 2020 1:46

Instrument :
BNA_F
ClientSampleId :
MK-031220-0-2-COMP-B4

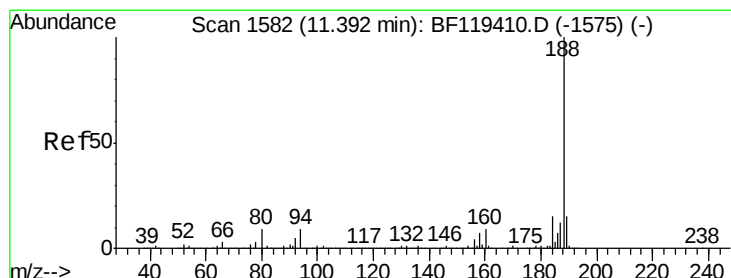
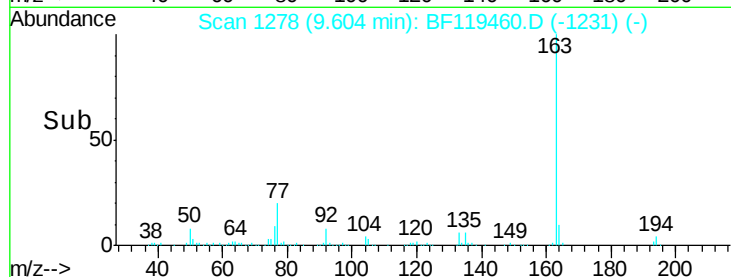
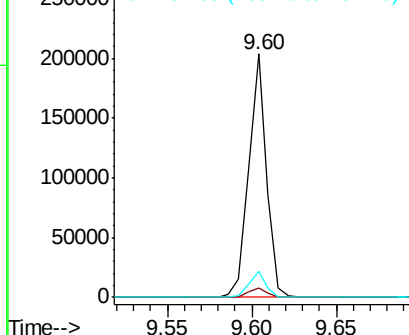
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	10.5	8.1	12.1

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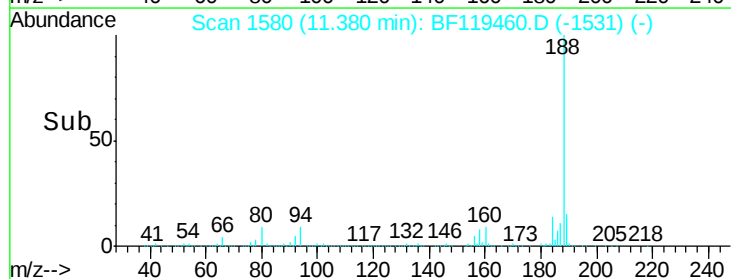
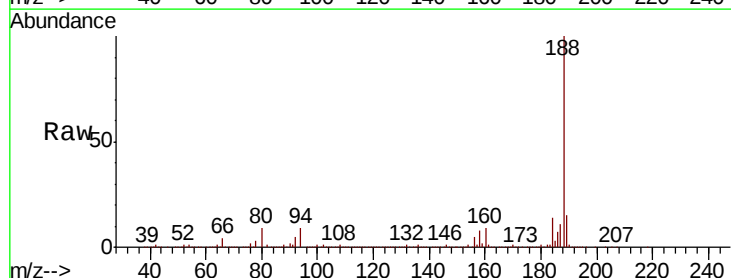
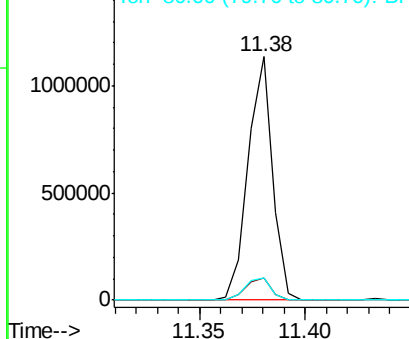
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

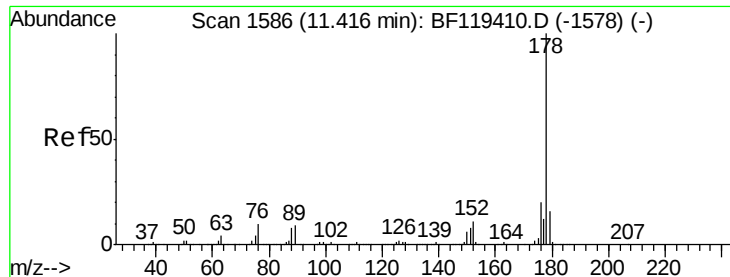


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF119460.D
Acq: 20 Mar 2020 1:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.1	10.7
80	9.1	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





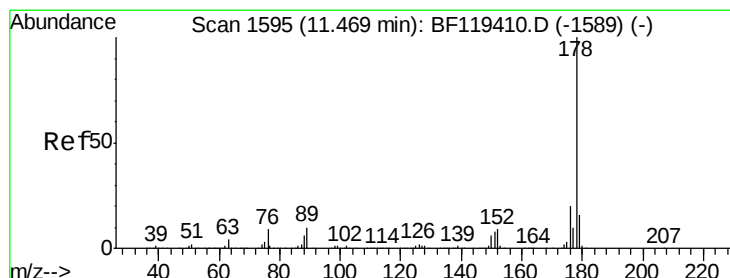
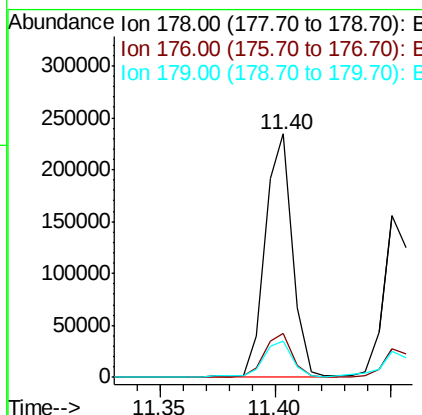
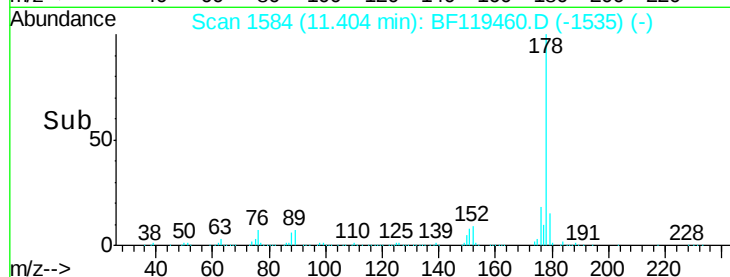
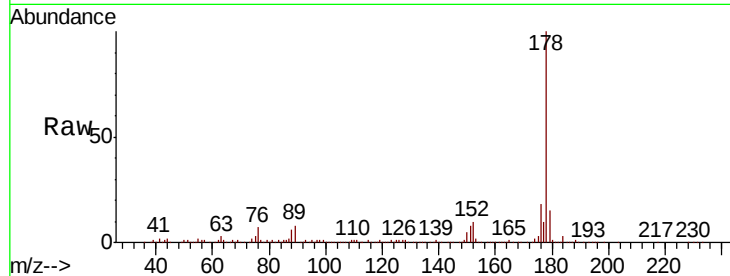
#71
Phenanthrene
Concen: 4.033 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF119460.D
Acq: 20 Mar 2020 1:46

Instrument :
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MK-031220-0-2-COMP-B4

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.2	24.4
179	14.8	12.9	19.3

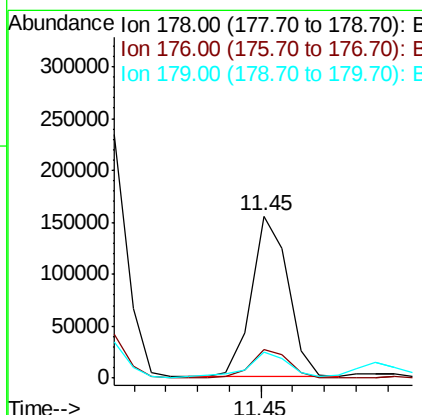
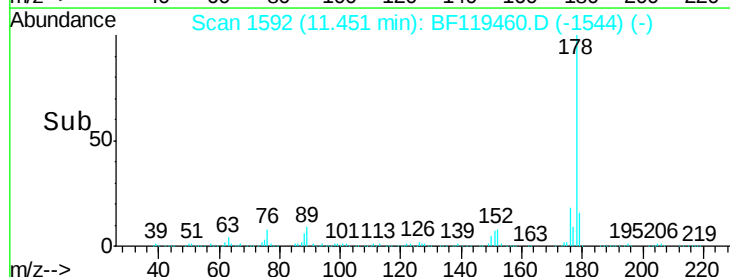
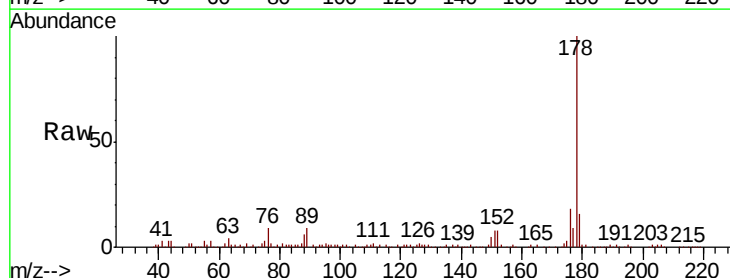
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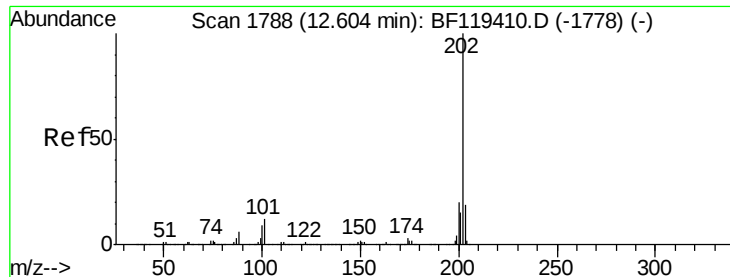
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#72
Anthracene
Concen: 2.581 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.02 min
Lab File: BF119460.D
Acq: 20 Mar 2020 1:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.6	23.4
179	16.2	13.1	19.7





#75

Fluoranthene

Concen: 9.856 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF119460.D

Acq: 20 Mar 2020 1:46

Instrument :

BNA_F

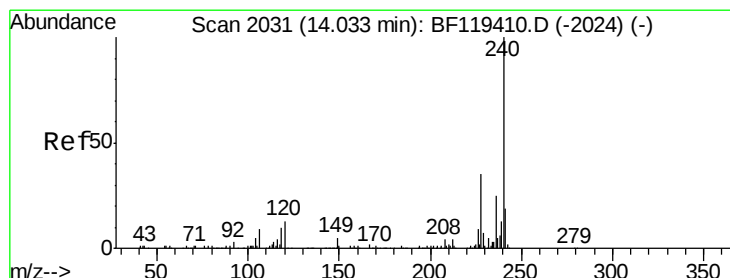
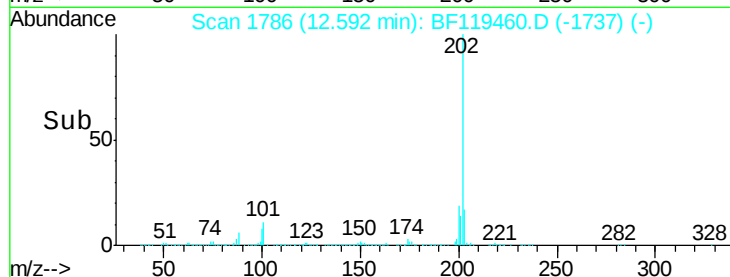
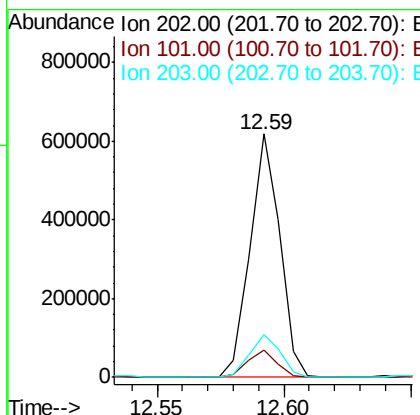
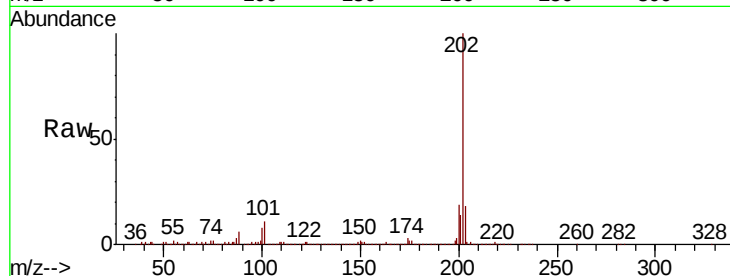
ClientSampleId :

MK-031220-0-2-COMP-B4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	11.2	0.0	32.4		
203	17.7	0.0	38.5		

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#76

Chrysene-d12

Concen: 20.000 ng

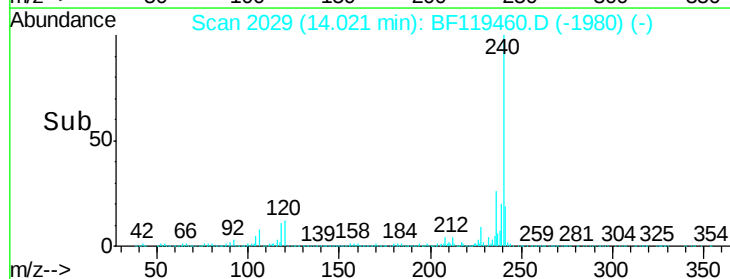
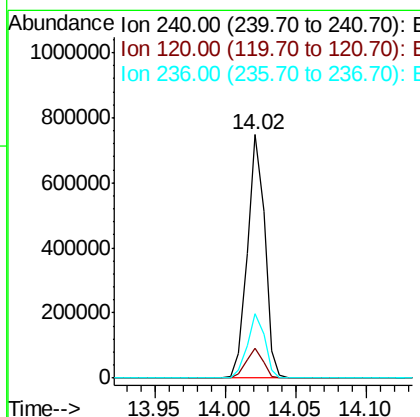
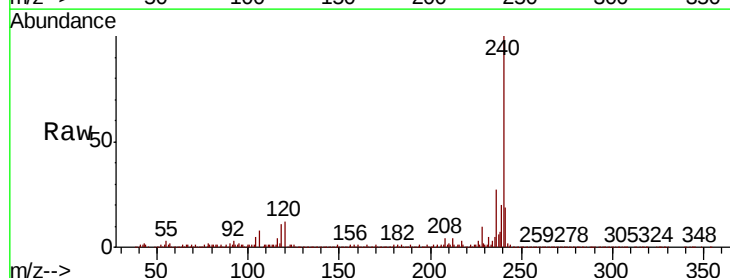
RT: 14.02 min Scan# 2029

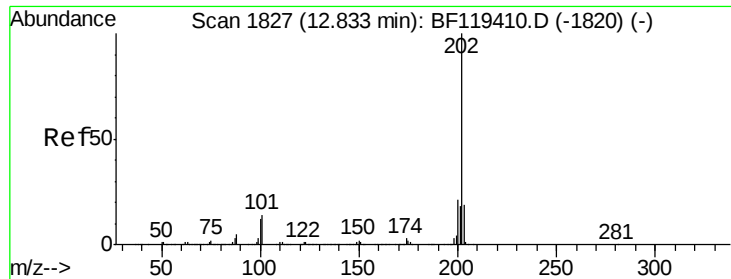
Delta R.T. -0.01 min

Lab File: BF119460.D

Acq: 20 Mar 2020 1:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	12.4	10.2	15.4		
236	26.5	20.4	30.6		





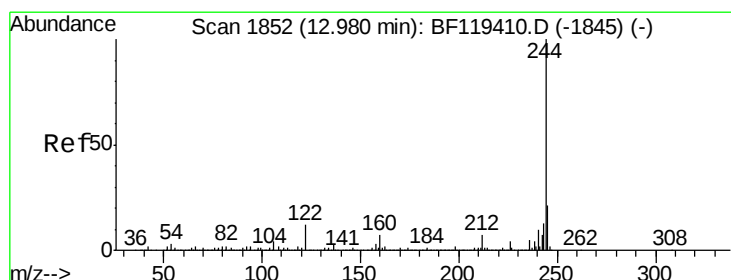
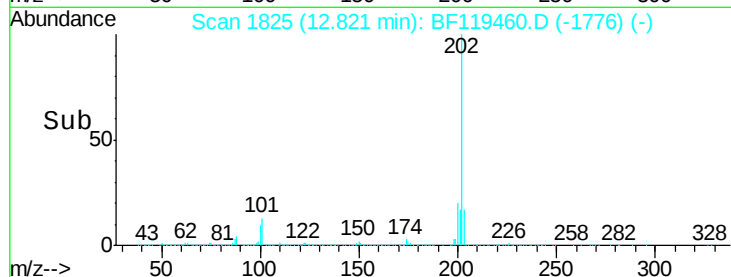
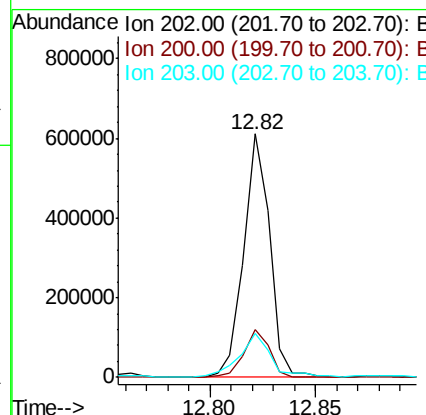
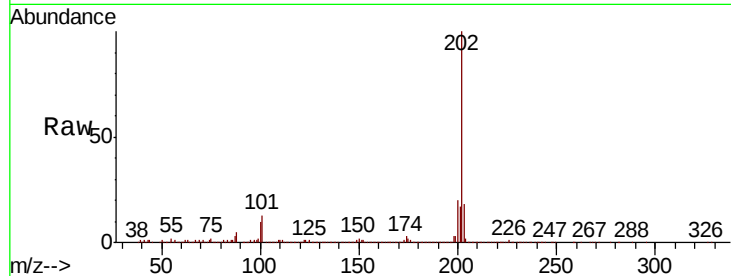
#78
Pvrene
Concen: 9.783 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF119460.D
Acq: 20 Mar 2020 1:46

Instrument :
BNA_F
ClientSampleId :
MK-031220-0-2-COMP-B4

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.8	25.2
203	18.3	14.8	22.2

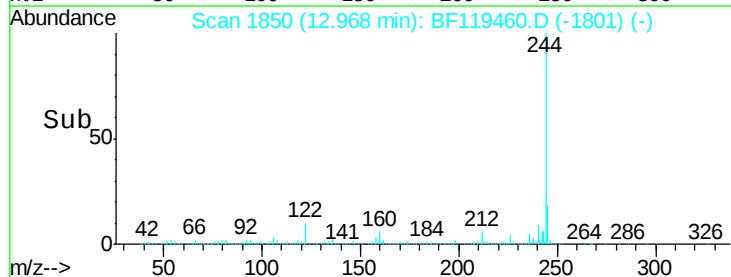
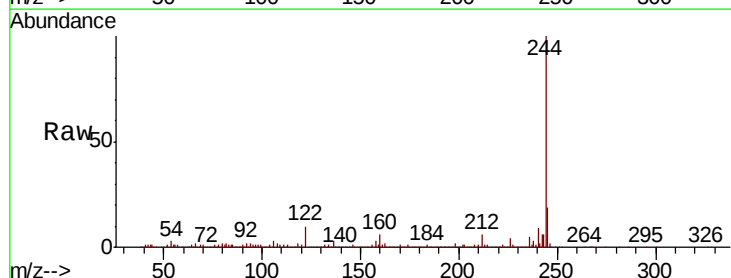
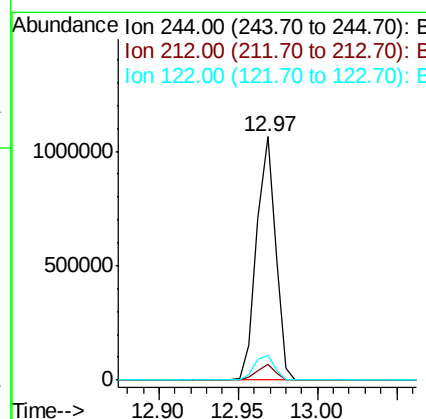
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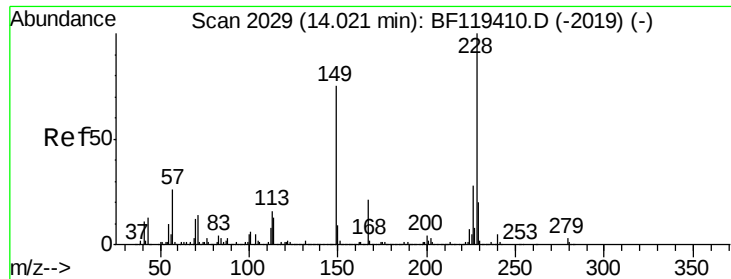
mohammad
3/20/2020 11:47:35 AM



#79
Terphenyl-d14
Concen: 26.941 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BF119460.D
Acq: 20 Mar 2020 1:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.7	8.5
122	10.2	9.8	14.8





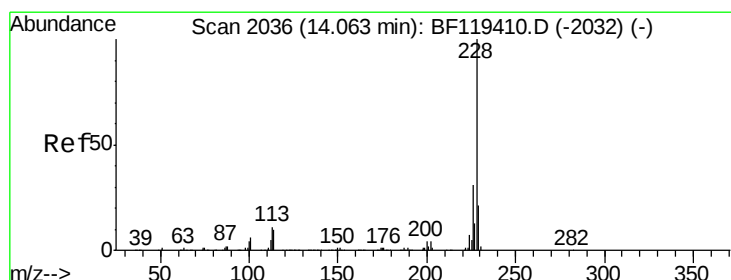
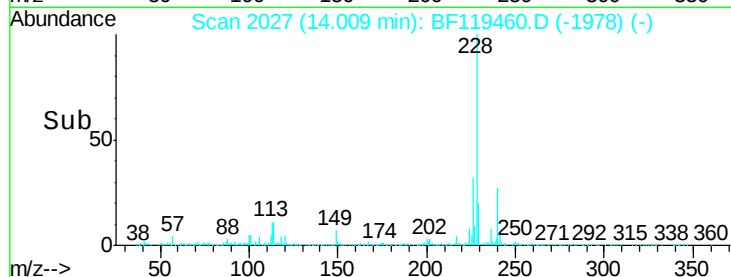
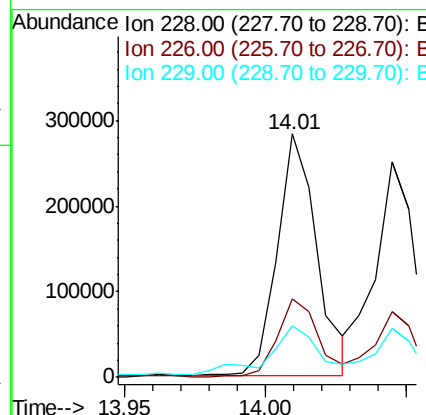
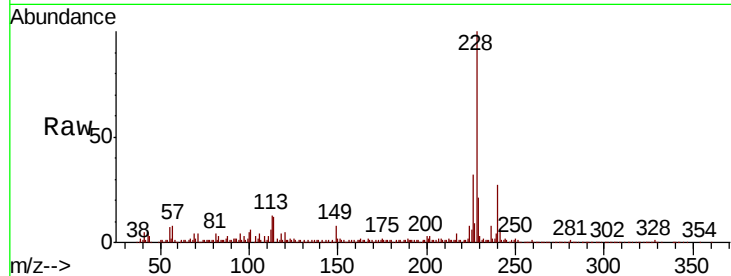
#81
Benzo(a)anthracene
Concen: 6.615 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF119460.D
Acq: 20 Mar 2020 1:46

Instrument :
BNA_F
ClientSampleId :
MK-031220-0-2-COMP-B4

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.3	33.5
229	21.1	16.3	24.5

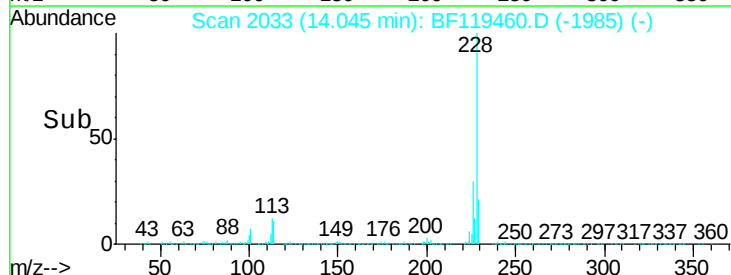
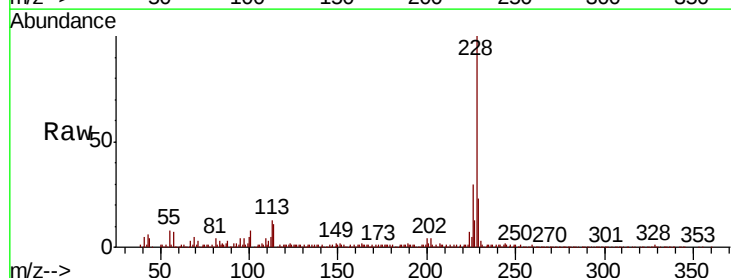
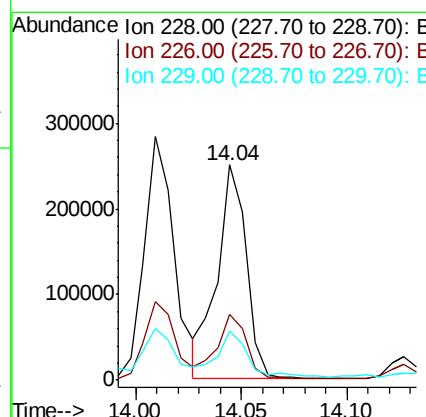
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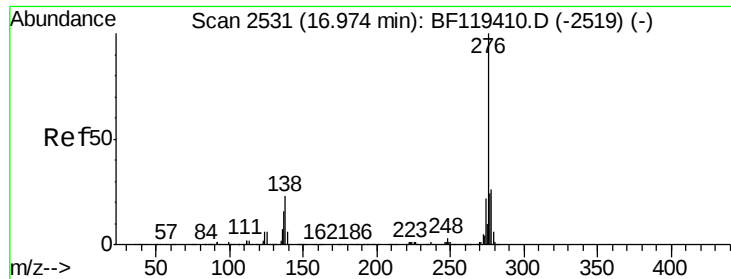
mohammad
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#83
Chrysene
Concen: 5.560 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.02 min
Lab File: BF119460.D
Acq: 20 Mar 2020 1:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.8	37.2
229	22.7	16.6	25.0





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.709 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.02 min

Lab File: BF119460.D

Acq: 20 Mar 2020 1:46

Instrument :

BNA_F

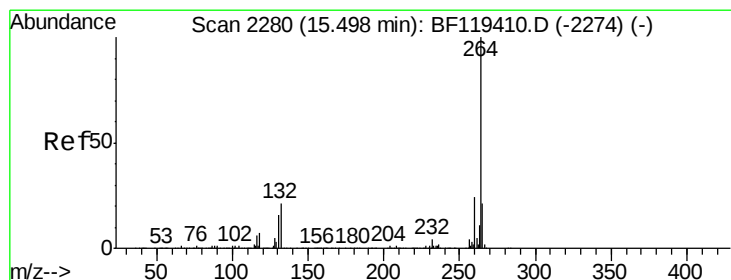
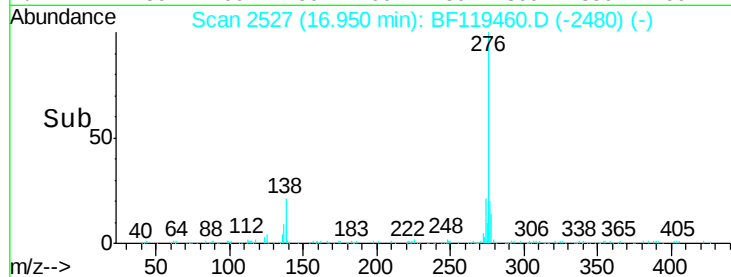
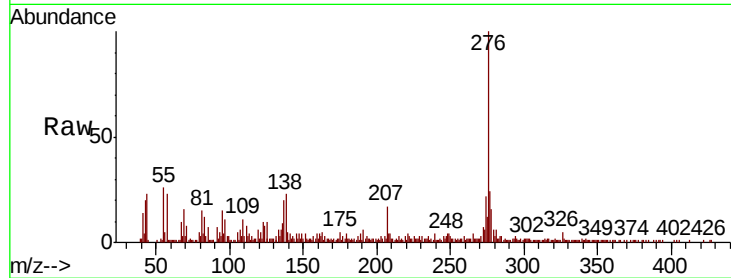
ClientSampleId :

MK-031220-0-2-COMP-B4

Tot Ion:	276	Resp:	110322
Ion Ratio		Lower	Upper
276	100		
138	25.1	21.3	31.9
277	25.7	20.2	30.2

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#87

Perylene-d12

Concen: 20.000 ng

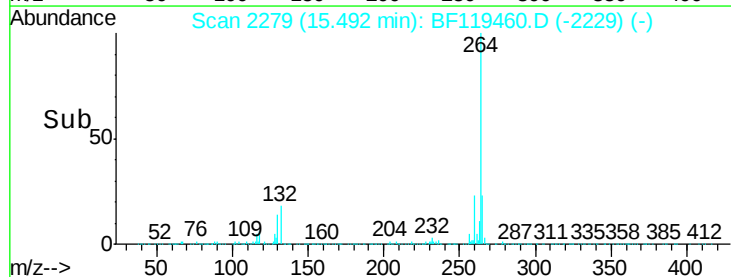
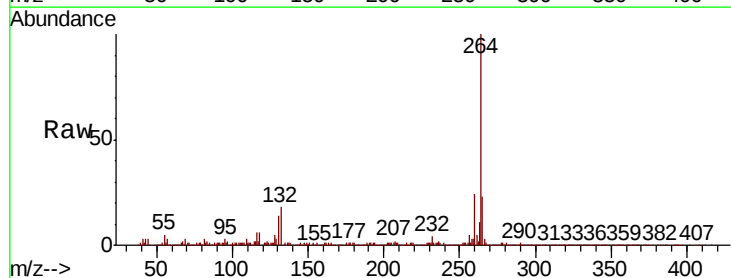
RT: 15.49 min Scan# 2279

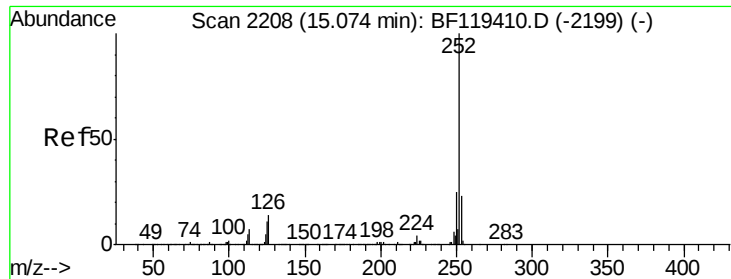
Delta R.T. -0.01 min

Lab File: BF119460.D

Acq: 20 Mar 2020 1:46

Tgt Ion:	264	Resp:	619396
Ion Ratio		Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.7	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 7.017 ng m

RT: 15.06 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BF119460.D

Acq: 20 Mar 2020 1:46

Instrument :

BNA_F

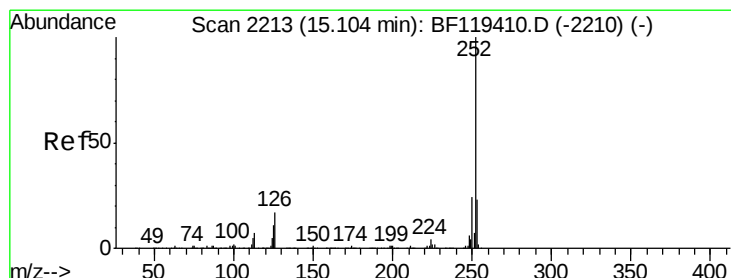
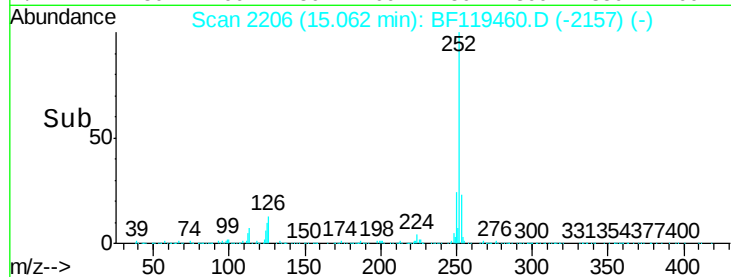
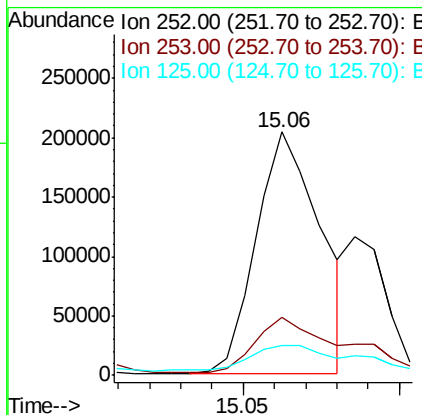
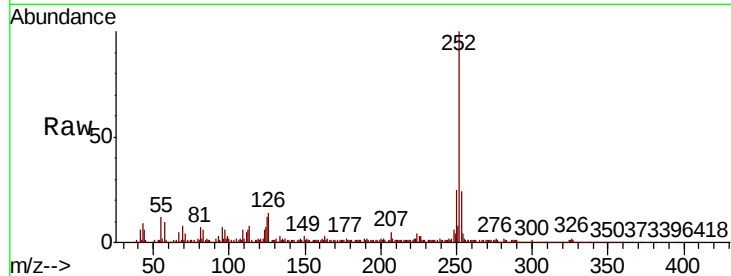
ClientSampleId :

MK-031220-0-2-COMP-B4

Tot Ion:	252	Resp:	290349
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.2	27.4
125	12.3	8.8	13.2

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#89

Benzo(k)fluoranthene

Concen: 2.506 ng m

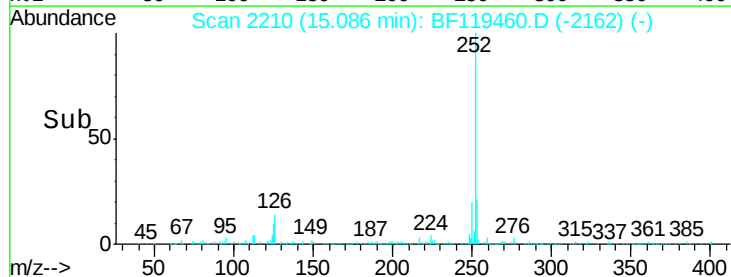
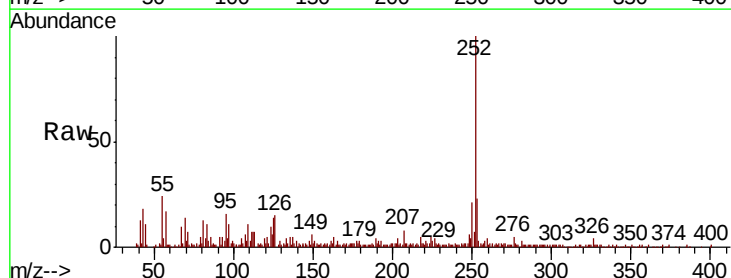
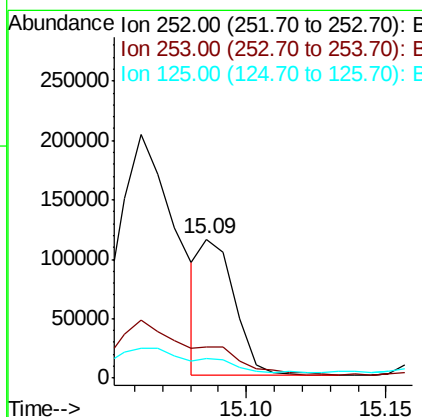
RT: 15.09 min Scan# 2210

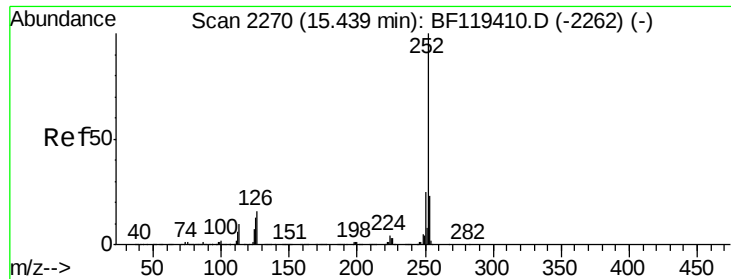
Delta R.T. -0.02 min

Lab File: BF119460.D

Acq: 20 Mar 2020 1:46

Tgt Ion:	252	Resp:	98713
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.2	27.4
125	14.0	9.0	13.4#





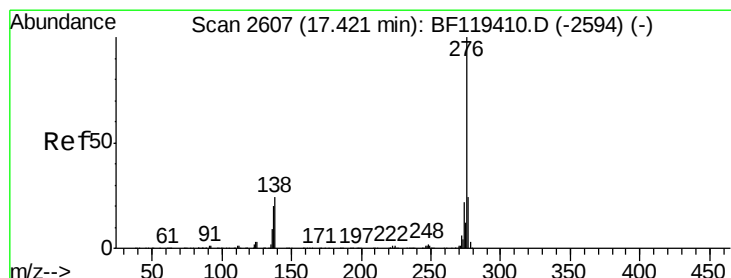
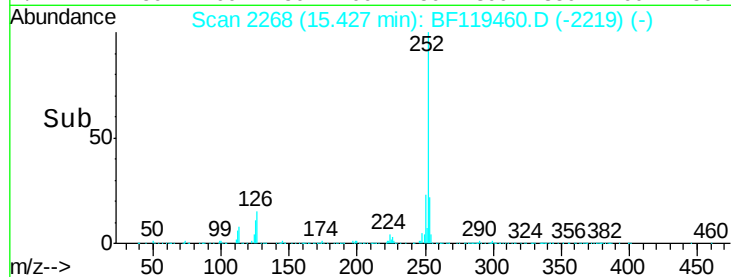
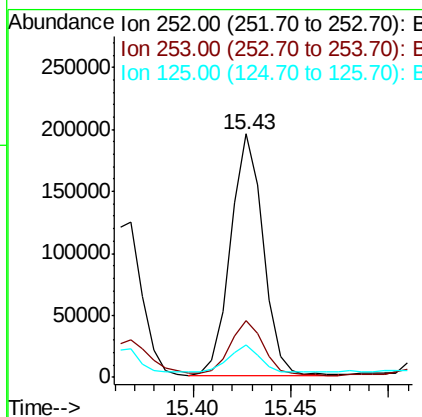
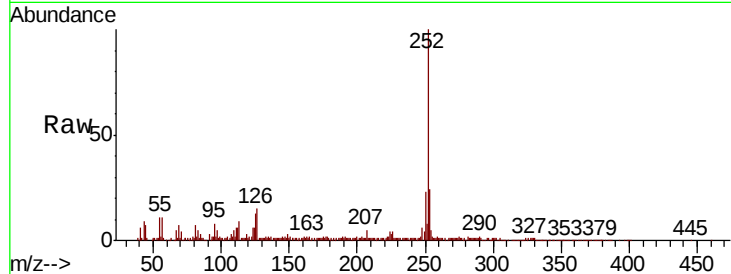
#90
Benzo(a)pyrene
Concen: 5.976 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF119460.D
Acq: 20 Mar 2020 1:46

Instrument :
BNA_F
ClientSampleId :
MK-031220-0-2-COMP-B4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	13.3	10.2	15.2

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#92
Benzo(g,h,i)perylene
Concen: 3.263 ng
RT: 17.40 min Scan# 2603
Delta R.T. -0.02 min
Lab File: BF119460.D
Acq: 20 Mar 2020 1:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.8	28.2
138	26.5	19.1	28.7

