

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
 Data File : BF119757.D
 Acq On : 4 Apr 2020 10:45
 Operator : MA/SJ
 Sample : L2100-07
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 239-105060708-0-6

Manual Integrations
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mohammad
 4/6/2020 1:39:37 PM

Quant Time: Apr 06 02:26:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	175852	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	626901	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	284283	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	449105	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	326998	20.00	ng	-0.02
87) Perylene-d12	15.43	264	276823	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1678442	151.94	ng	0.01
7) Phenol-d6	6.45	99	2069937	146.69	ng	0.00
23) Nitrobenzene-d5	7.37	82	1276408	110.66	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	436643	148.88	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1957813	102.03	ng	-0.01
79) Terphenyl-d14	12.92	244	1576055	94.43	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.56	163	270170	13.380	ng	Qvalue 100
71) Phenanthrene	11.36	178	291281	12.508	ng	96
72) Anthracene	11.40	178	111612	4.716	ng	95
75) Fluoranthene	12.54	202	450227	17.864	ng	98
78) Pyrene	12.77	202	414554	15.447	ng	97
81) Benzo(a)anthracene	13.96	228	185756	8.736	ng	97
83) Chrysene	14.00	228	184891	8.425	ng	97
86) Indeno(1,2,3-cd)pyrene	16.87	276	91792	4.441	ng	97
88) Benzo(b)fluoranthene	15.01	252	257412m	13.920	ng	
89) Benzo(k)fluoranthene	15.03	252	62425m	3.545	ng	
90) Benzo(a)pyrene	15.37	252	129650	7.715	ng	98
92) Benzo(a,h,i)perylene	17.30	276	86875	5.883	ng	93

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

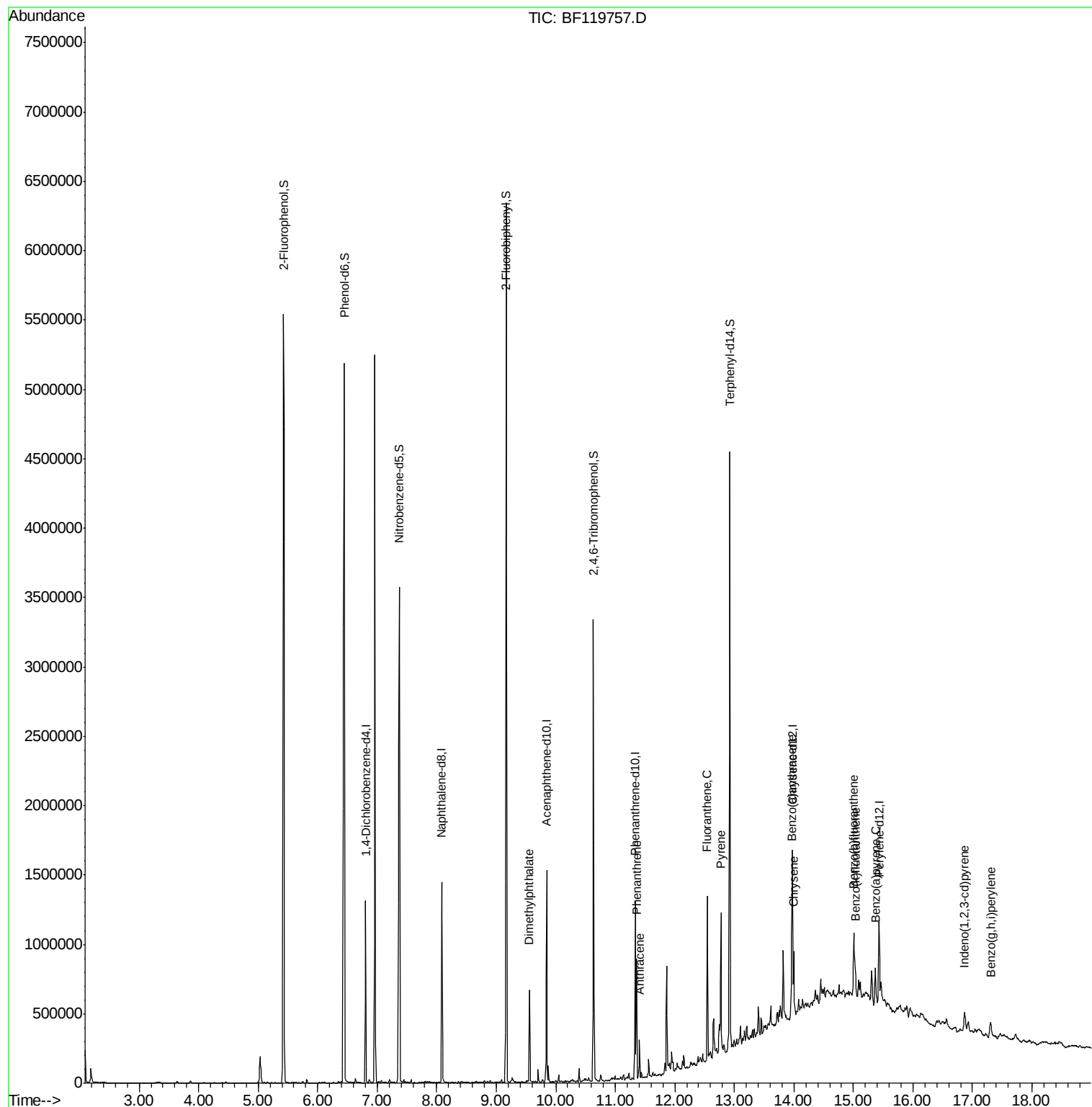
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
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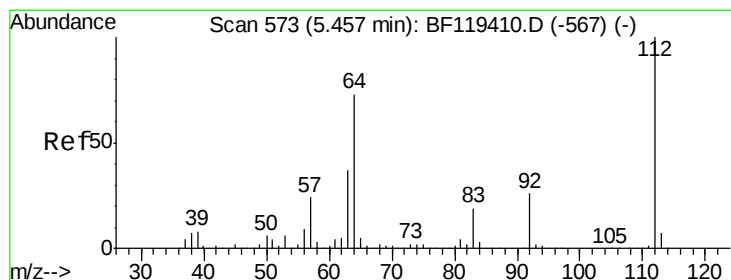
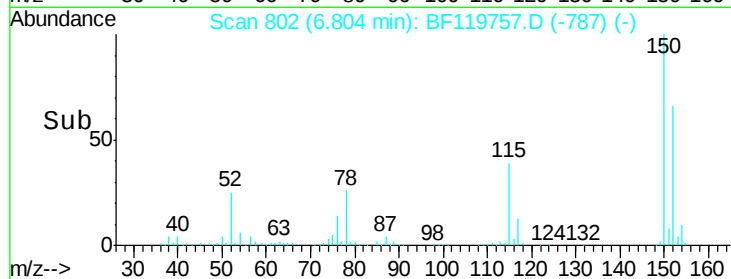
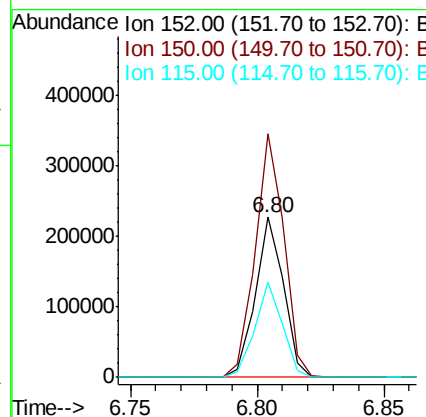
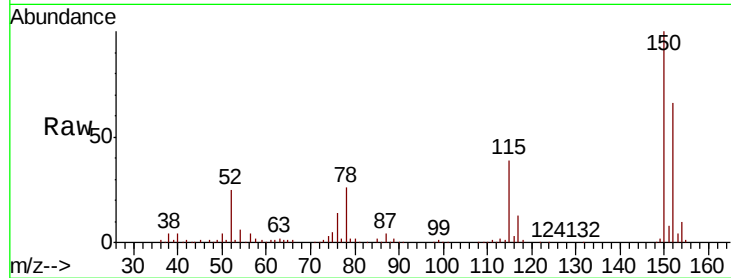
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF119757.D
 Acq: 4 Apr 2020 10:45

Instrument :
 BNA_F
 ClientSampleId :
 239-105060708-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	124.5	186.7
115	59.4	49.6	74.4

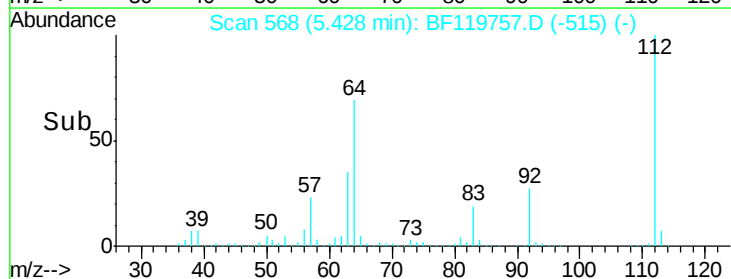
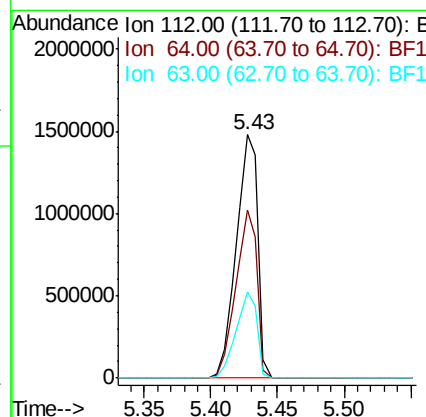
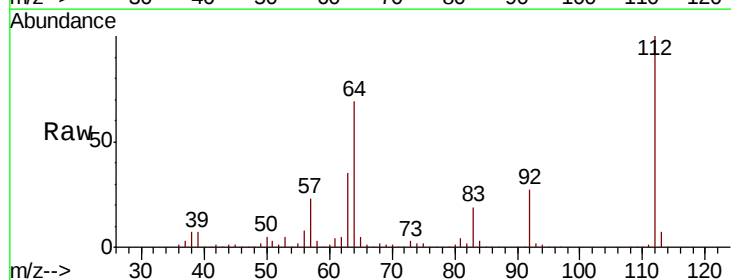
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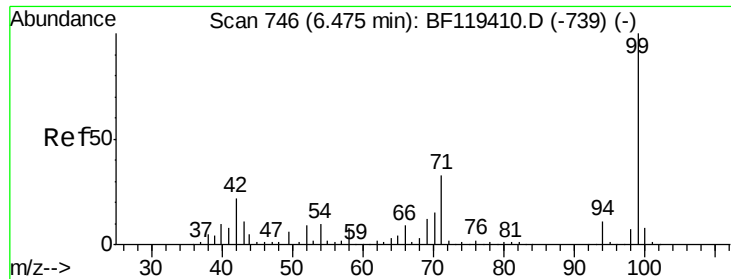
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#5
 2-Fluorophenol
 Concen: 151.941 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF119757.D
 Acq: 4 Apr 2020 10:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.2	56.7	85.1
63	35.3	29.5	44.3





#7

Phenol-d6

Concen: 146.686 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF119757.D

Acq: 4 Apr 2020 10:45

Instrument :

BNA_F

ClientSampleId :

239-105060708-0-6

Tot Ion: 99 Resp: 2069937

Ion Ratio Lower Upper

99 100

42 19.5 16.6 24.8

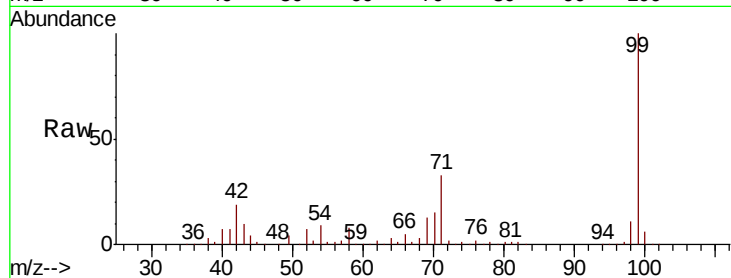
71 33.1 26.4 39.6

Manual Integrations

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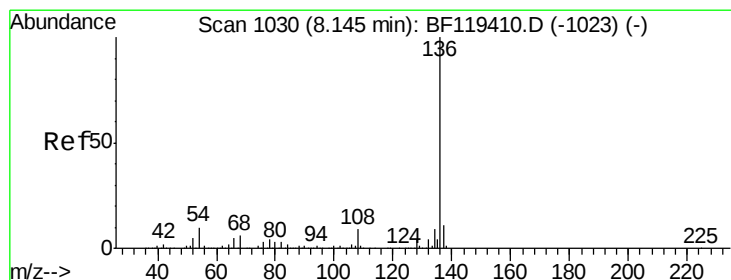
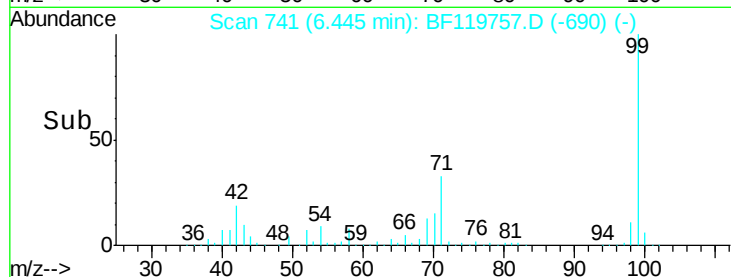
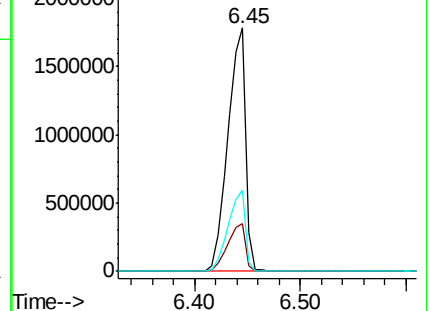
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF119757.D

Acq: 4 Apr 2020 10:45

Tgt Ion: 136 Resp: 626901

Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 10.5 9.1 13.7

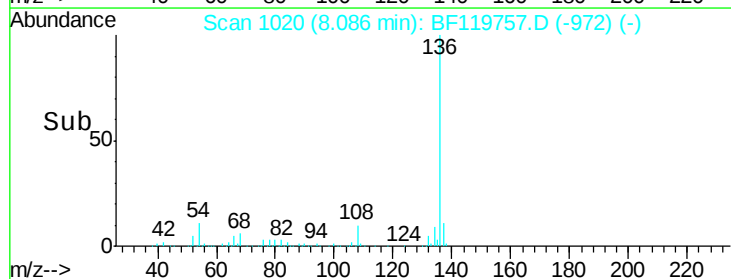
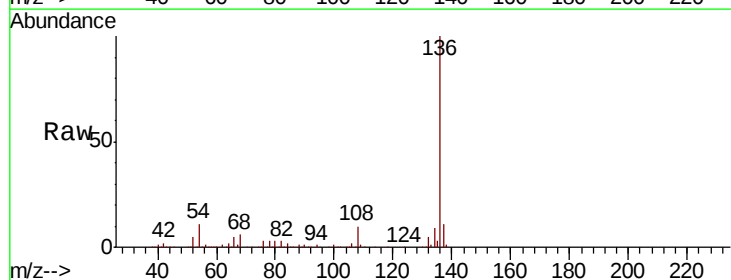
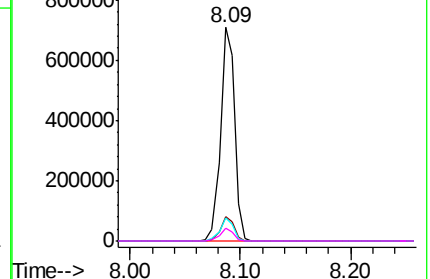
68 6.2 4.6 6.8

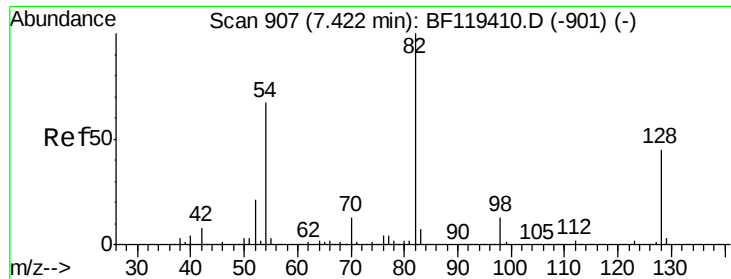
Abundance Ion 136.00 (135.70 to 136.70): E

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





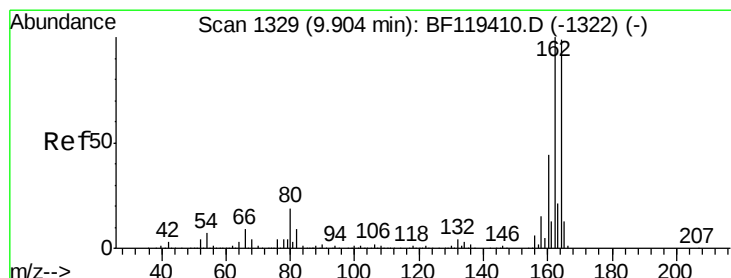
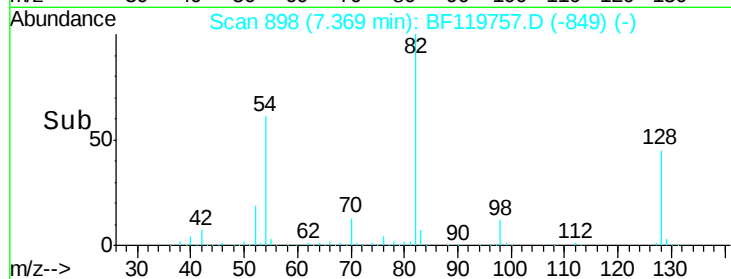
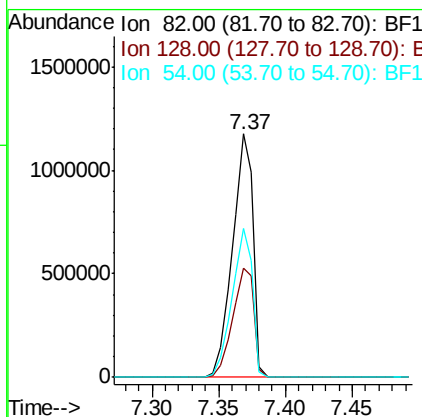
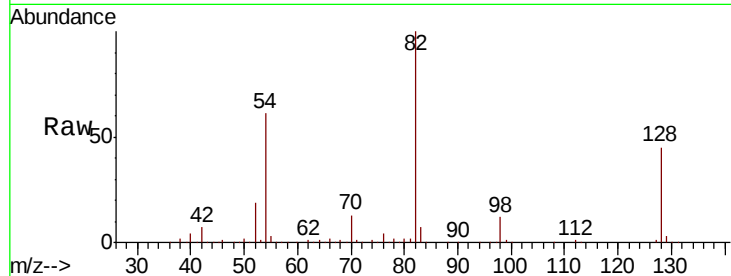
#23
 Nitrobenzene-d5
 Concen: 110.656 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF119757.D
 Acq: 4 Apr 2020 10:45

Instrument :
 BNA_F
 ClientSampleId :
 239-105060708-0-6

Tot Ion	82	Resp	1276408
Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.3	54.5
54	61.2	50.6	75.8

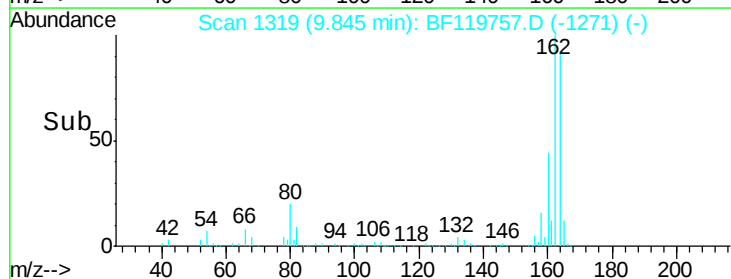
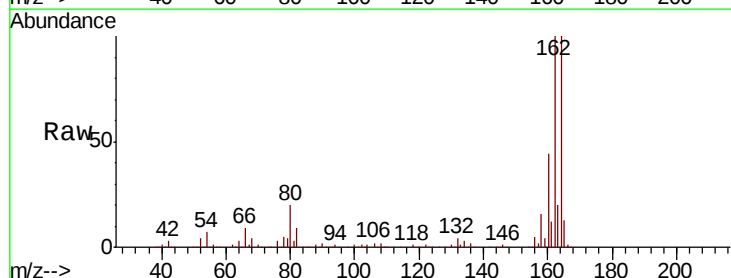
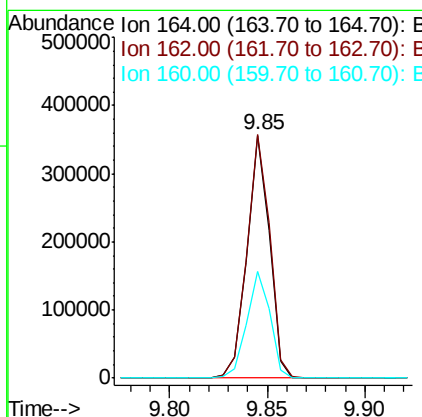
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: BF119757.D
 Acq: 4 Apr 2020 10:45

Tgt Ion	164	Resp	284283
Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.6	121.0
160	43.9	35.7	53.5





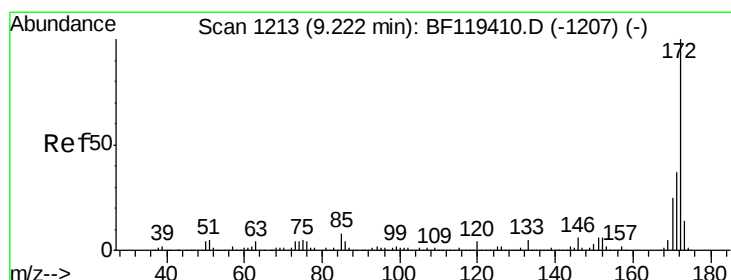
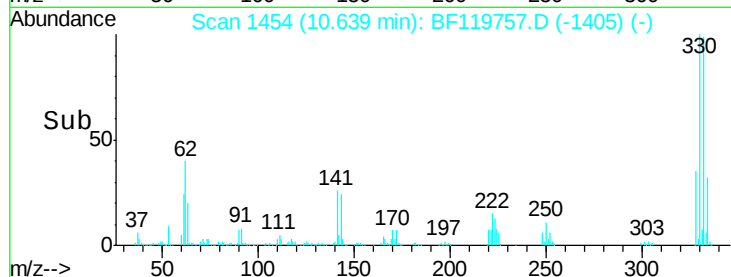
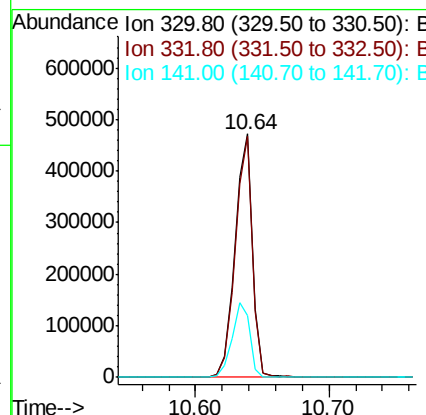
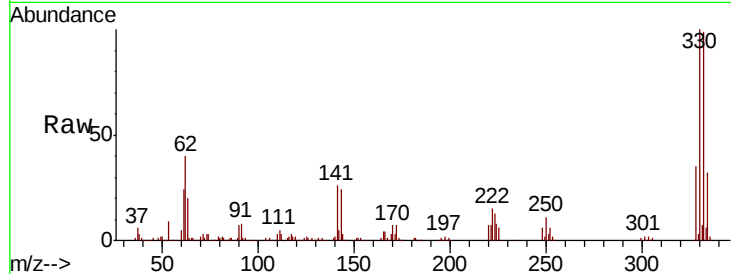
#42
 2,4,6-Tribromophenol
 Concen: 148.880 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF119757.D
 Acq: 4 Apr 2020 10:45

Instrument :
 BNA_F
 ClientSampleId :
 239-105060708-0-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.7	113.5
141	31.5	25.4	38.0

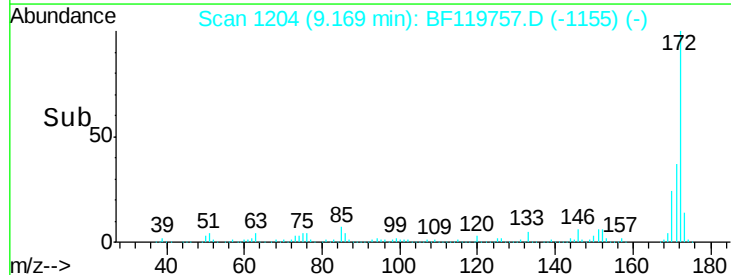
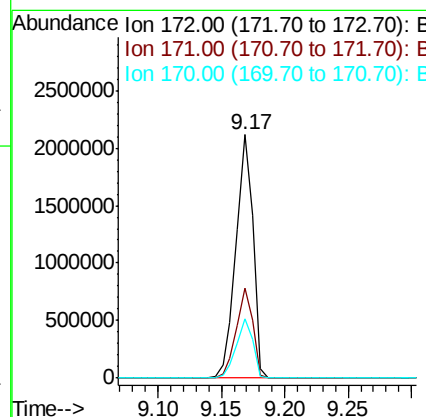
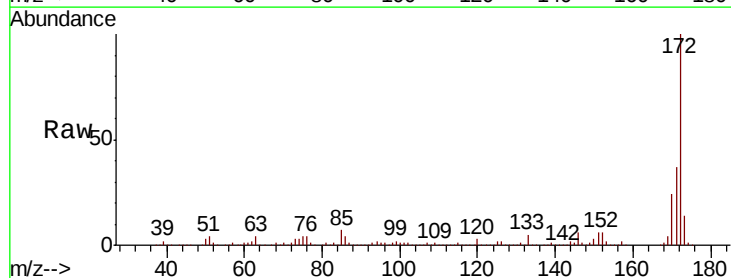
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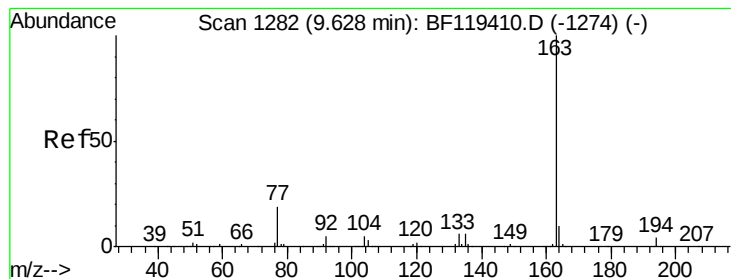
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#45
 2-Fluorobiphenyl
 Concen: 102.027 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF119757.D
 Acq: 4 Apr 2020 10:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.6	44.4
170	24.5	20.2	30.2





#50

Dimethylphthalate

Concen: 13.380 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF119757.D

Acq: 4 Apr 2020 10:45

Instrument :

BNA_F

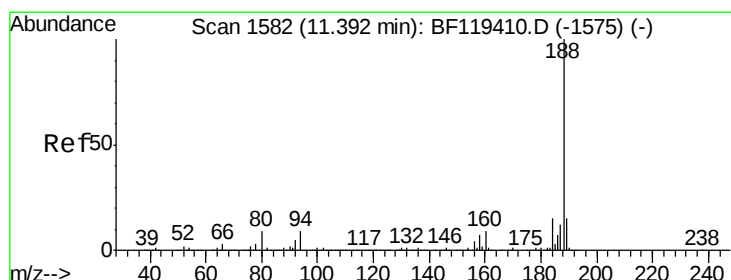
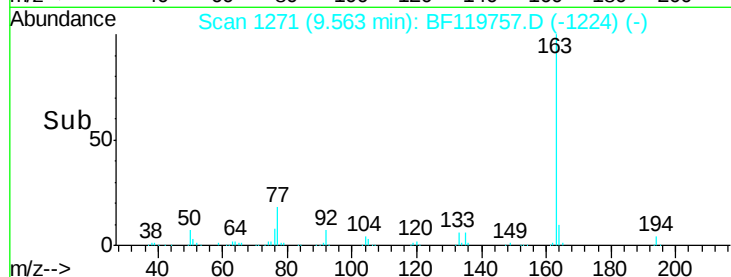
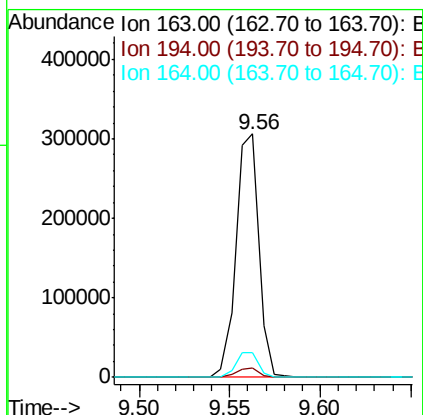
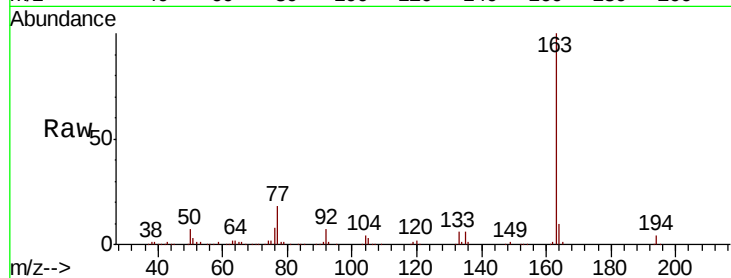
ClientSampleId :

239-105060708-0-6

Tot Ion:	163	Resp:	270170
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.1	4.7
164	10.0	8.2	12.2

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#64

Phenanthrene-d10

Concen: 20.000 ng

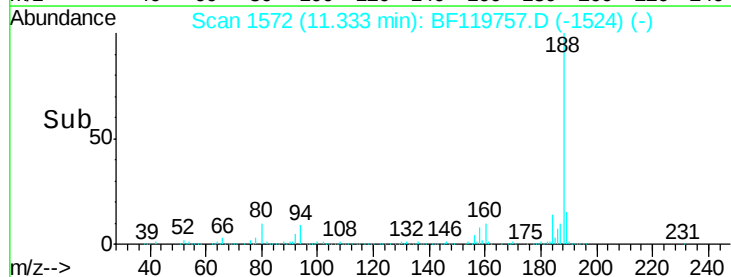
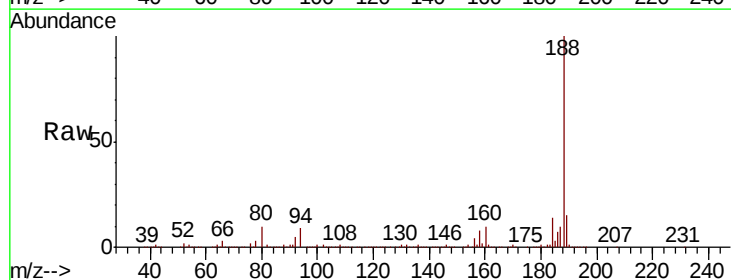
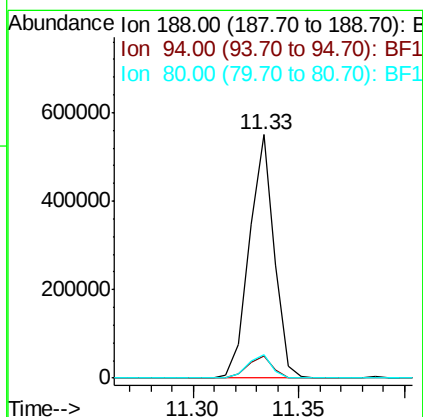
RT: 11.33 min Scan# 1572

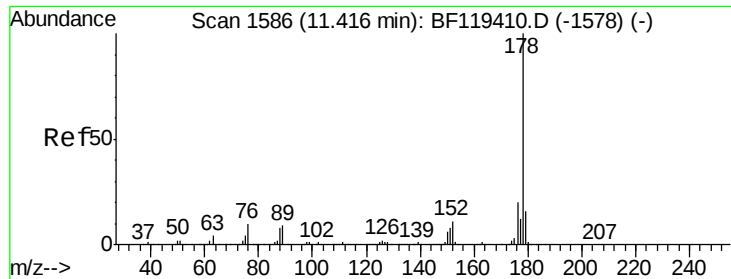
Delta R.T. -0.02 min

Lab File: BF119757.D

Acq: 4 Apr 2020 10:45

Tgt Ion:	188	Resp:	449105
Ion Ratio	Lower	Upper	
188	100		
94	9.0	7.5	11.3
80	9.5	9.0	13.4





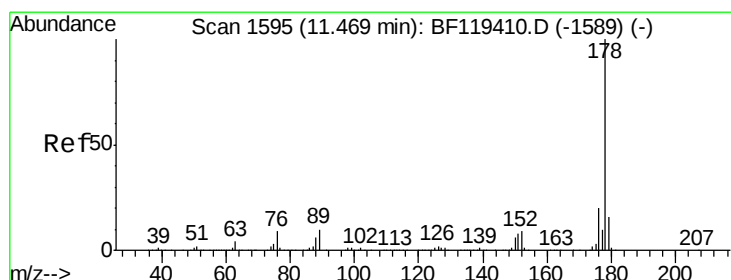
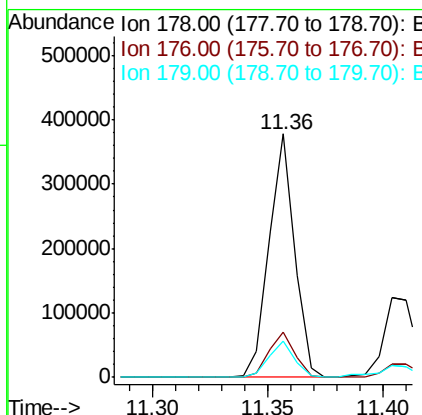
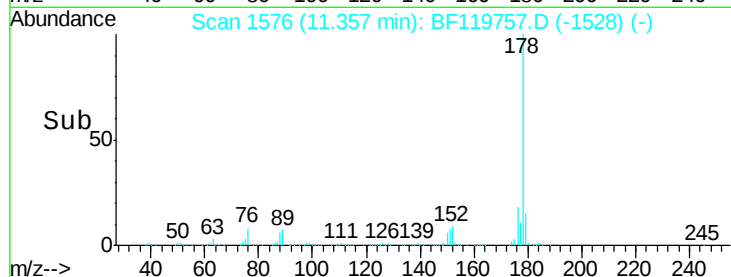
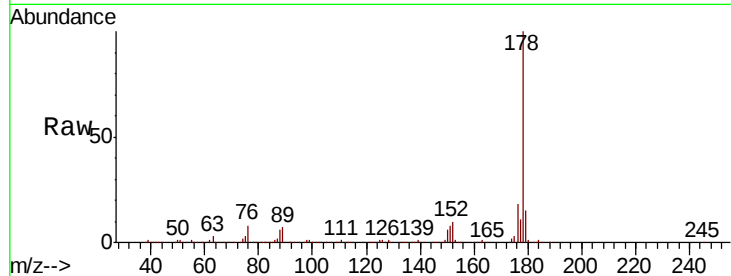
#71
Phenanthrene
Concen: 12.508 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF119757.D
Acq: 4 Apr 2020 10:45

Instrument :
BNA_F
ClientSampleId :
239-105060708-0-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.2	24.4
179	14.9	13.2	19.8

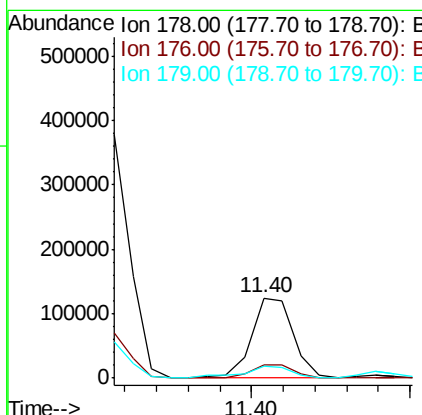
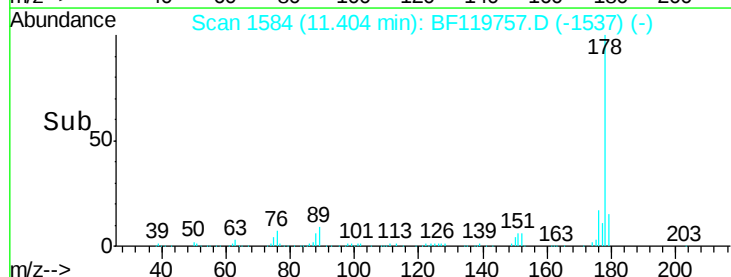
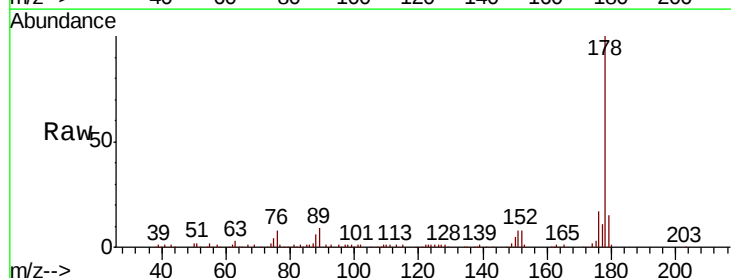
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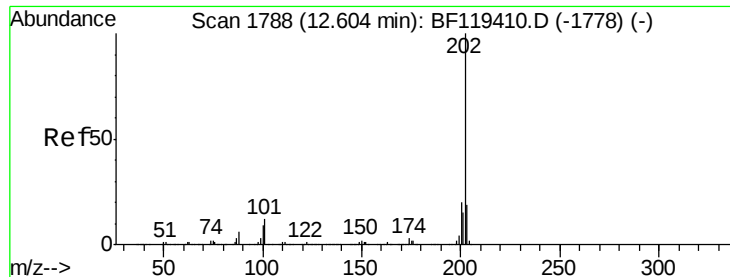
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#72
Anthracene
Concen: 4.716 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.02 min
Lab File: BF119757.D
Acq: 4 Apr 2020 10:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	16.1	24.1
179	14.6	13.0	19.4





#75

Fluoranthene

Concen: 17.864 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.02 min

Lab File: BF119757.D

Acq: 4 Apr 2020 10:45

Instrument :

BNA_F

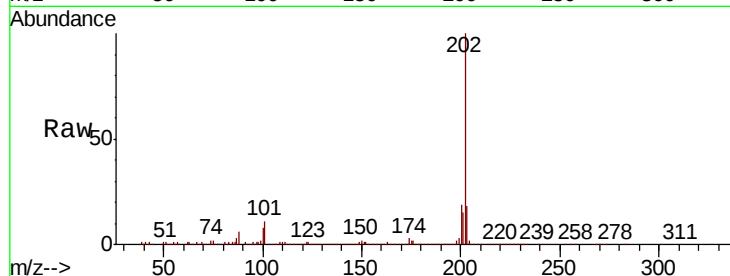
ClientSampleId :

239-105060708-0-6

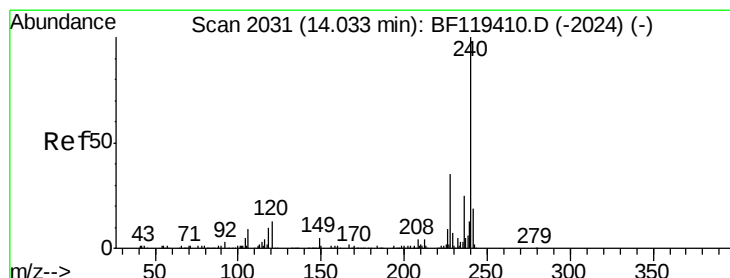
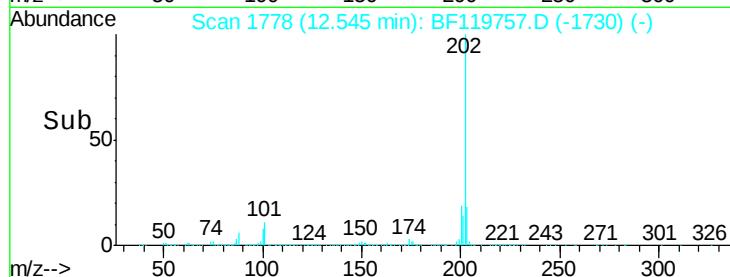
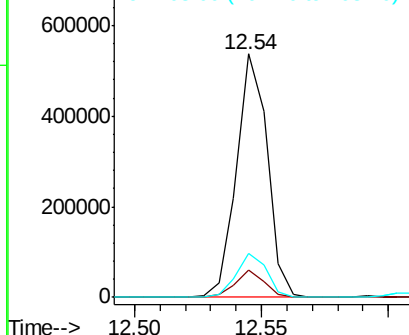
Tot Ion	Ratio	Resp	Lower	Upper
202	100	450227		
101	11.2	0.0	32.2	
203	18.1	0.0	38.8	

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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

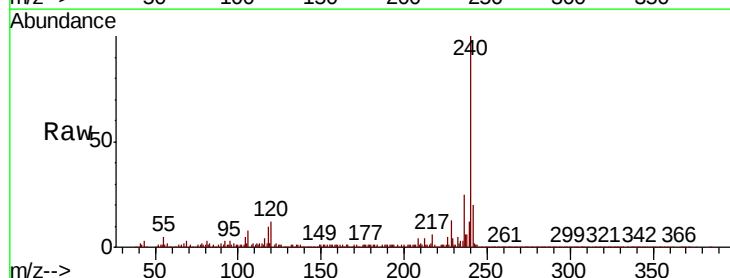
RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

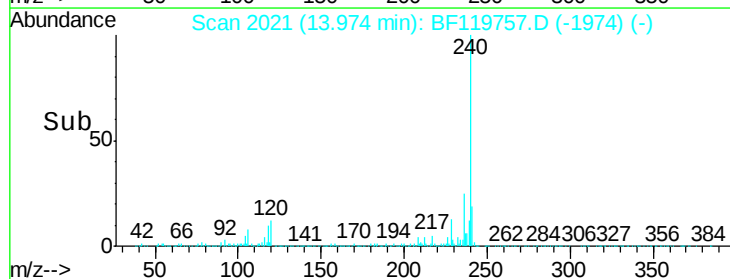
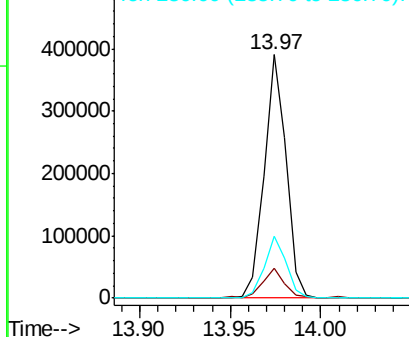
Lab File: BF119757.D

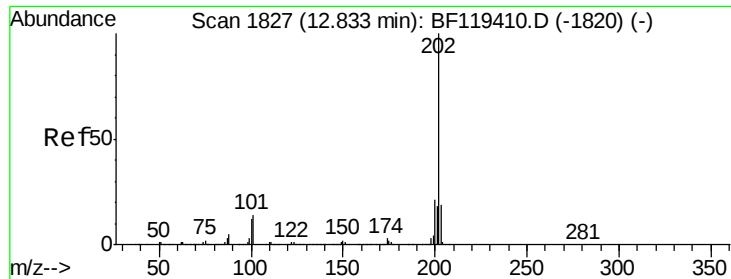
Acq: 4 Apr 2020 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	326998		
120	12.4	10.6	15.8	
236	25.5	20.2	30.2	



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





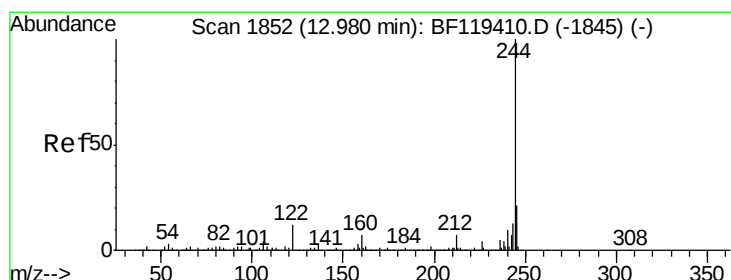
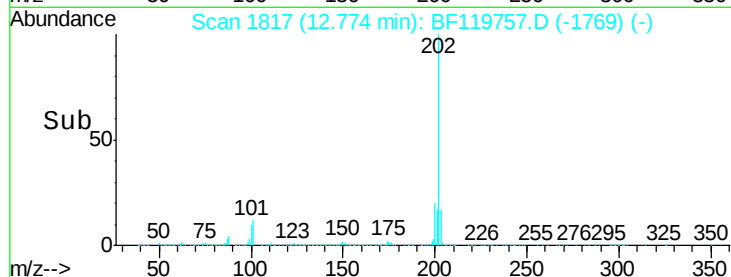
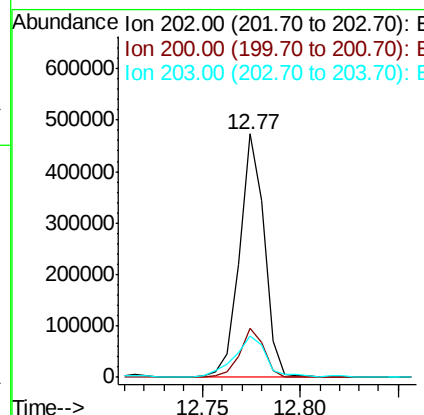
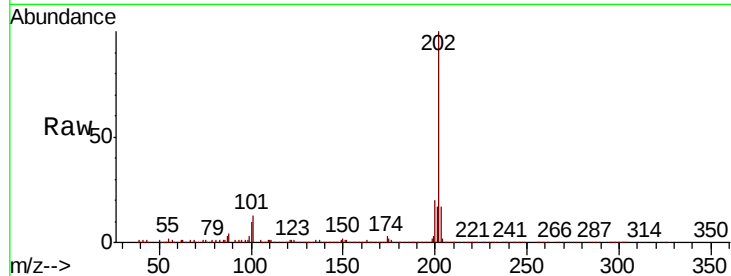
#78
Pvrene
Concen: 15.447 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF119757.D
Acq: 4 Apr 2020 10:45

Instrument :
BNA_F
ClientSampleId :
239-105060708-0-6

Tot Ion	Ratio	Resp	Lower	Upper
202	100	414554		
200	19.9	16.8	25.2	
203	17.2	15.1	22.7	

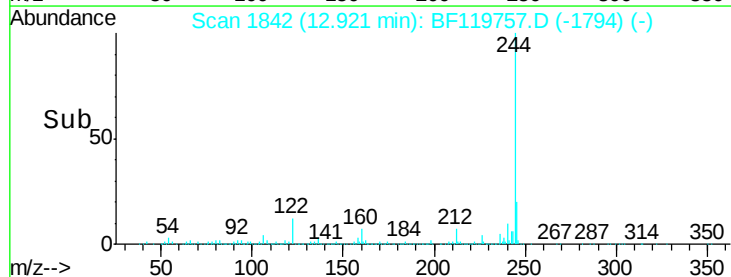
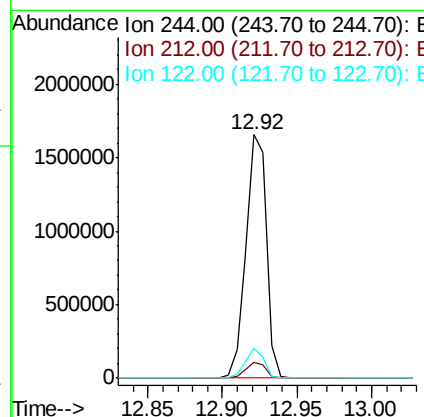
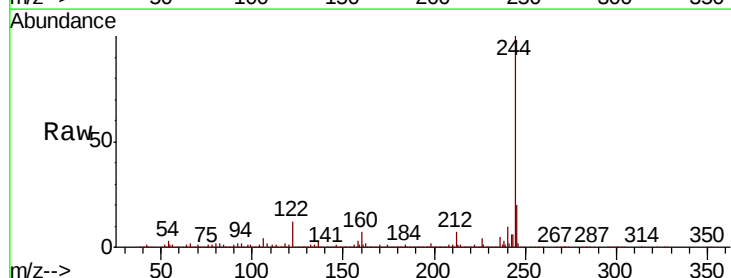
Manual Integrations
APPROVED

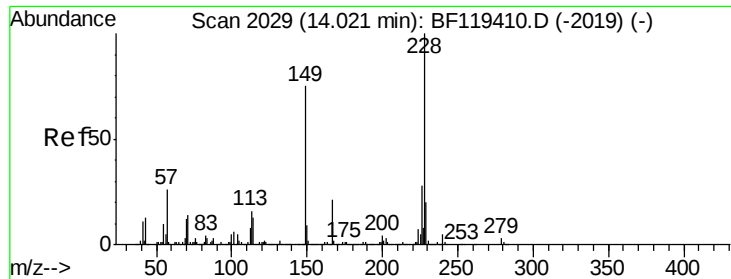
mohammad
4/6/2020 1:39:37 PM



#79
Terphenyl-d14
Concen: 94.430 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.02 min
Lab File: BF119757.D
Acq: 4 Apr 2020 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1576055		
212	6.5	5.8	8.8	
122	12.3	10.3	15.5	





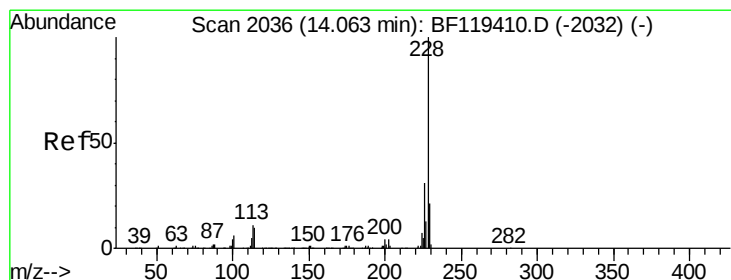
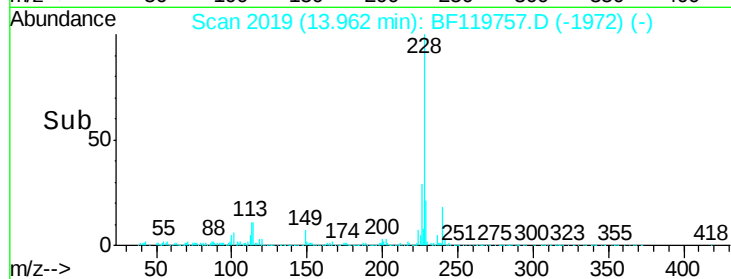
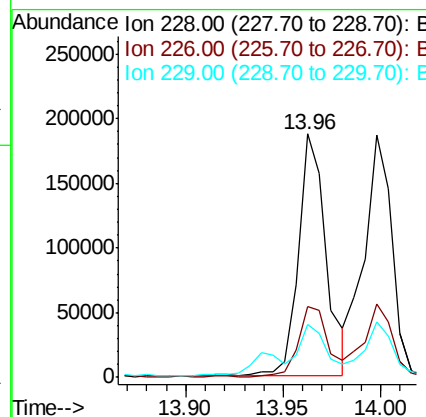
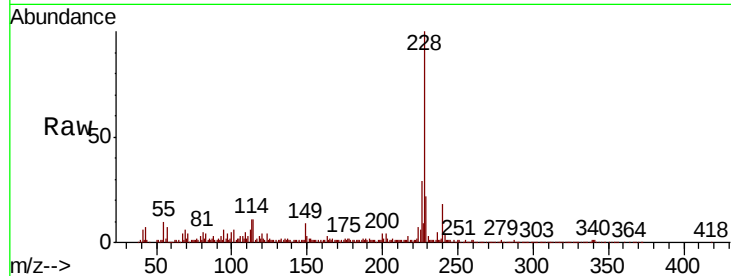
#81
Benzo(a)anthracene
Concen: 8.736 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF119757.D
Acq: 4 Apr 2020 10:45

Instrument :
BNA_F
ClientSampleId :
239-105060708-0-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.8	32.8
229	21.5	16.2	24.4

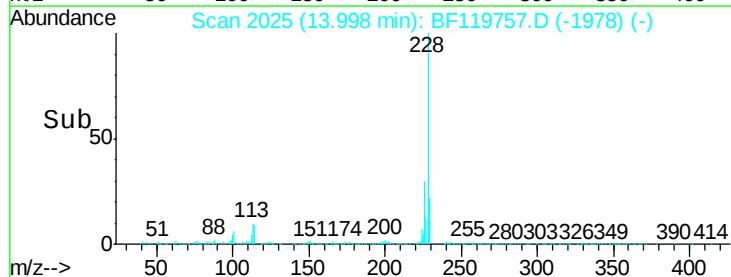
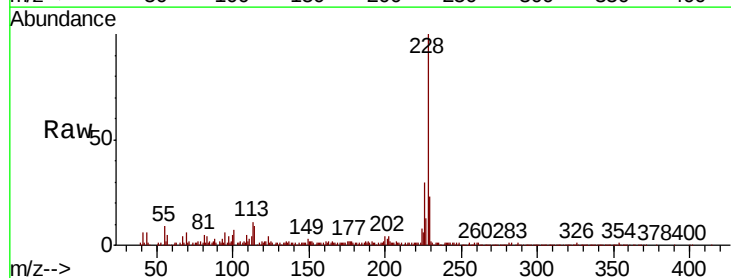
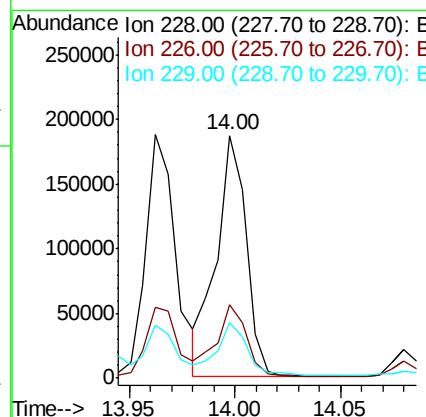
Manual Integrations
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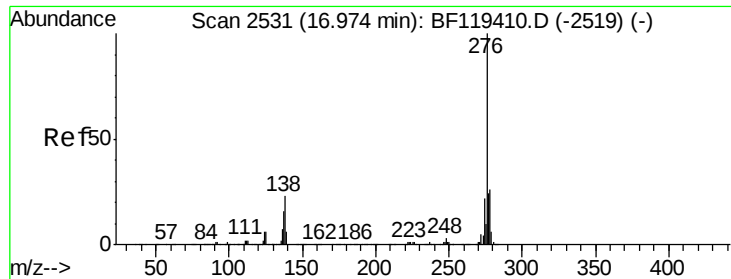
mohammad
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#83
Chrysene
Concen: 8.425 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF119757.D
Acq: 4 Apr 2020 10:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.4	38.0
229	22.7	16.6	24.8





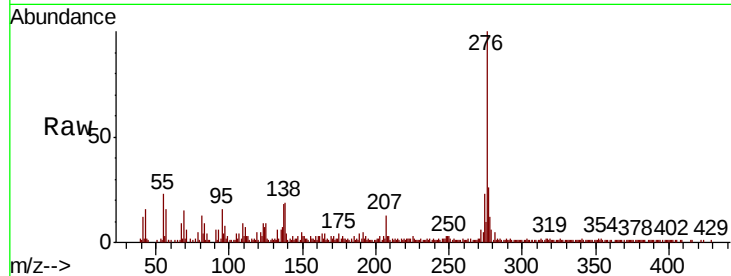
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.441 ng
RT: 16.87 min Scan# 2513
Delta R.T. -0.05 min
Lab File: BF119757.D
Acq: 4 Apr 2020 10:45

Instrument :
BNA_F
ClientSampleId :
239-105060708-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	19.6	29.4
277	25.3	20.0	30.0

Manual Integrations
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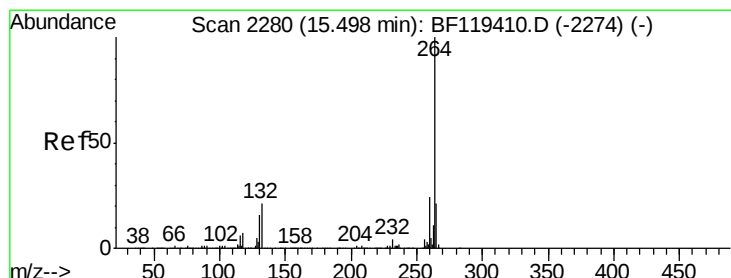
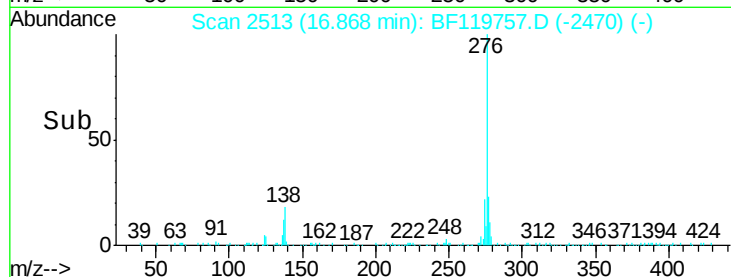
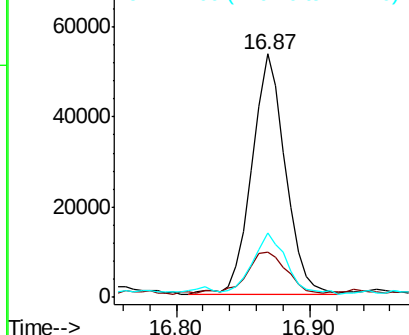


Abundance

Ion 276.00 (275.70 to 276.70): E

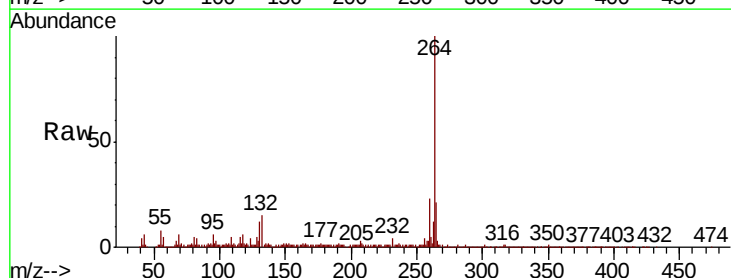
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF119757.D
Acq: 4 Apr 2020 10:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.7	28.1
265	21.4	17.7	26.5

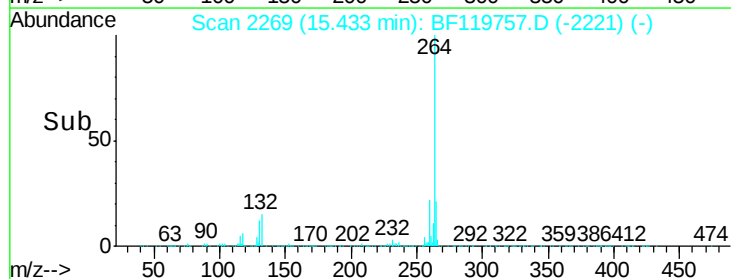
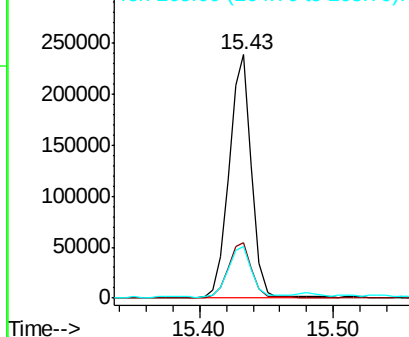


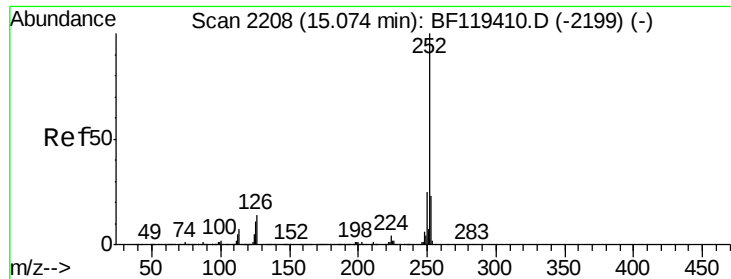
Abundance

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





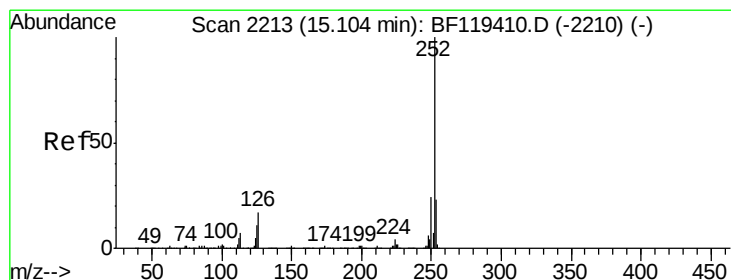
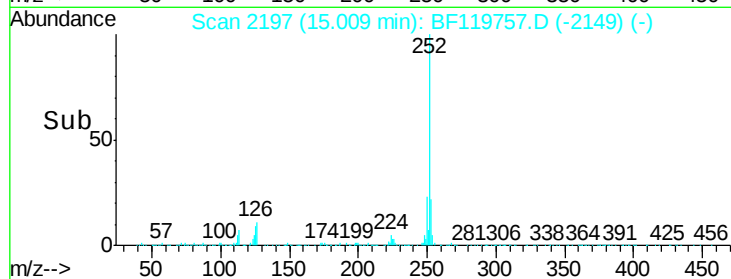
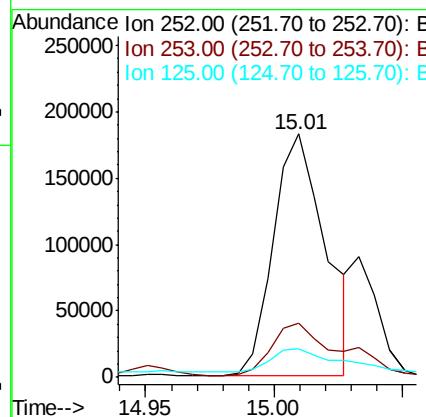
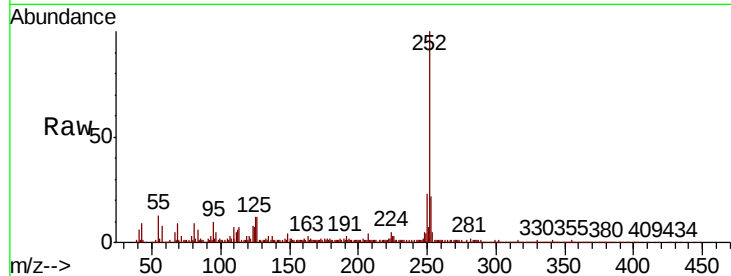
#88
Benzo(b)fluoranthene
Concen: 13.920 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF119757.D
Acq: 4 Apr 2020 10:45

Instrument :
BNA_F
ClientSampleId :
239-105060708-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	11.7	7.9	11.9

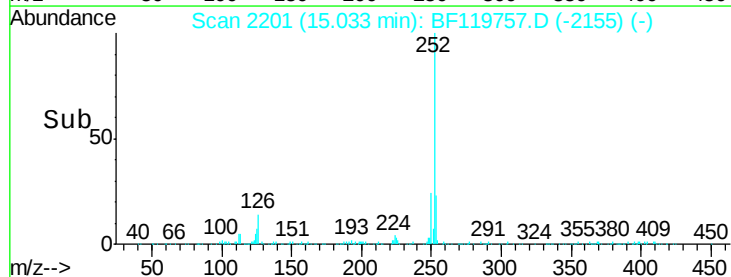
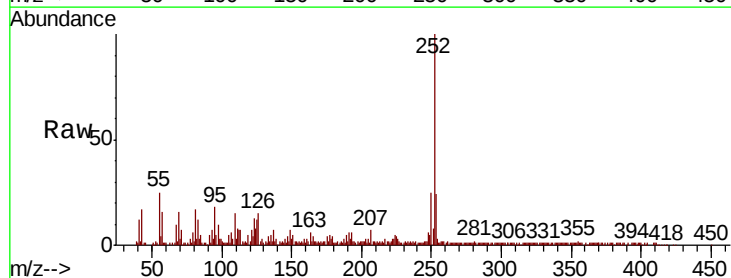
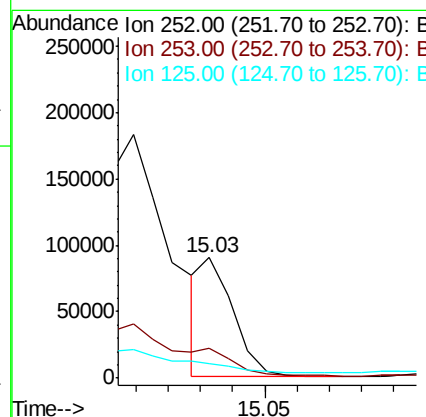
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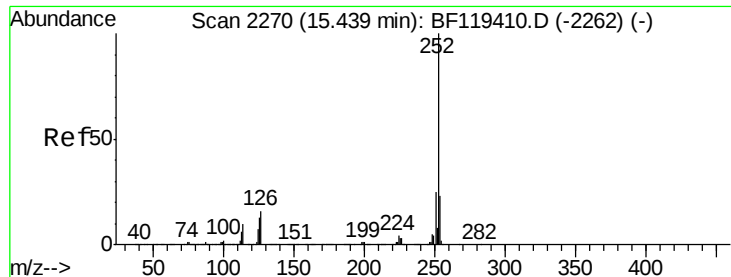
mohammad
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#89
Benzo(k)fluoranthene
Concen: 3.545 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.03 min
Lab File: BF119757.D
Acq: 4 Apr 2020 10:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	12.5	8.4	12.6





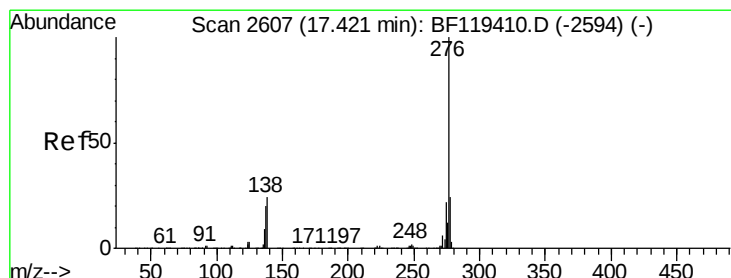
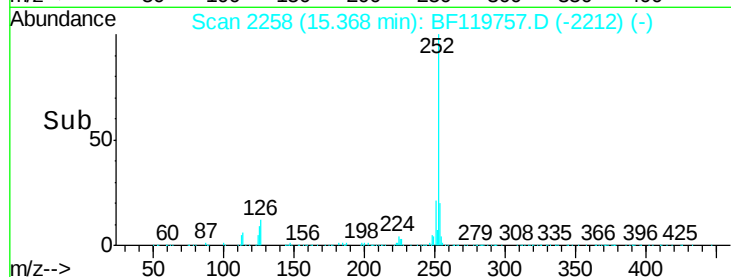
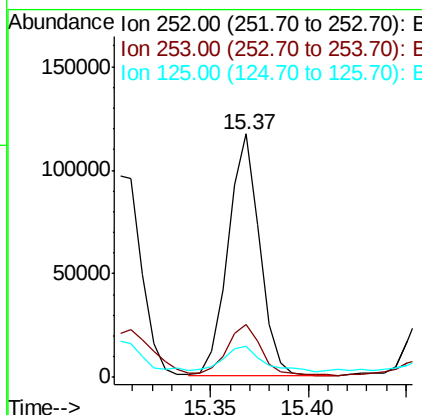
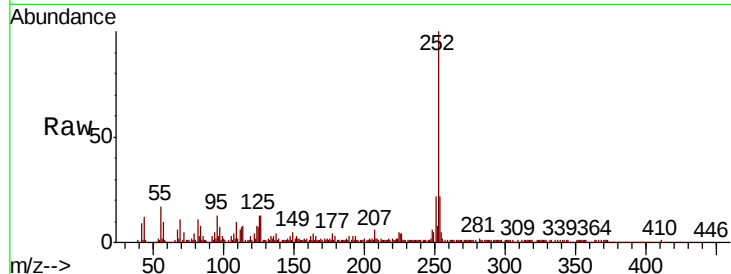
#90
Benzo(a)pyrene
Concen: 7.715 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.03 min
Lab File: BF119757.D
Acq: 4 Apr 2020 10:45

Instrument :
BNA_F
ClientSampleId :
239-105060708-0-6

Tot Ion:	252	Resp:	129650
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.2	27.2
125	12.7	9.4	14.2

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 5.883 ng
RT: 17.30 min Scan# 2587
Delta R.T. -0.05 min
Lab File: BF119757.D
Acq: 4 Apr 2020 10:45

Tgt Ion:	276	Resp:	86875
Ion Ratio	Lower	Upper	
276	100		
277	25.9	18.4	27.6
138	22.8	15.4	23.0

