

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
 Data File : BF119175.D
 Acq On : 2 Mar 2020 18:22
 Operator : CG/JU
 Sample : L1372-06 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-022820

Manual Integrations
 APPROVED

mohammad
 3/3/2020 12:25:56 PM

Quant Time: Mar 03 08:04:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	140038	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	548689	20.00	ng	-0.02
39) Acenaphthene-d10	9.77	164	294846	20.00	ng	-0.02
64) Phenanthrene-d10	11.25	188	500910	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	348111	20.00	ng	-0.01
87) Perylene-d12	15.32	264	348495	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	363180	43.34	ng	-0.01
7) Phenol-d6	6.38	99	451950	44.35	ng	-0.02
23) Nitrobenzene-d5	7.29	82	294468	28.34	ng	-0.03
42) 2,4,6-Tribromophenol	10.56	330	144171	37.38	ng	-0.02
45) 2-Fluorobiphenyl	9.09	172	604324	30.19	ng	-0.02
79) Terphenyl-d14	12.83	244	630378	31.18	ng	-0.02
Target Compounds						
49) Acenaphthylene	9.63	152	65814	2.373	ng	99
71) Phenanthrene	11.27	178	187475	6.863	ng	96
72) Anthracene	11.33	178	69890	2.561	ng	97
75) Fluoranthene	12.46	202	509355	17.566	ng	99
78) Pyrene	12.69	202	486537	17.406	ng	98
81) Benzo(a)anthracene	13.88	228	338914	14.289	ng	97
83) Chrysene	13.92	228	268536	11.362	ng	98
86) Indeno(1,2,3-cd)pyrene	16.72	276	154232	6.740	ng	96
88) Benzo(b)fluoranthene	14.91	252	453439m	19.740	ng	
89) Benzo(k)fluoranthene	14.93	252	149826m	7.038	ng	
90) Benzo(a)pyrene	15.26	252	303776	14.653	ng	98
91) Dibenzo(a,h)anthracene	16.72	278	42759	2.344	ng	# 78
92) Benzo(a,h,i)perylene	17.15	276	136099	7.551	ng	94

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

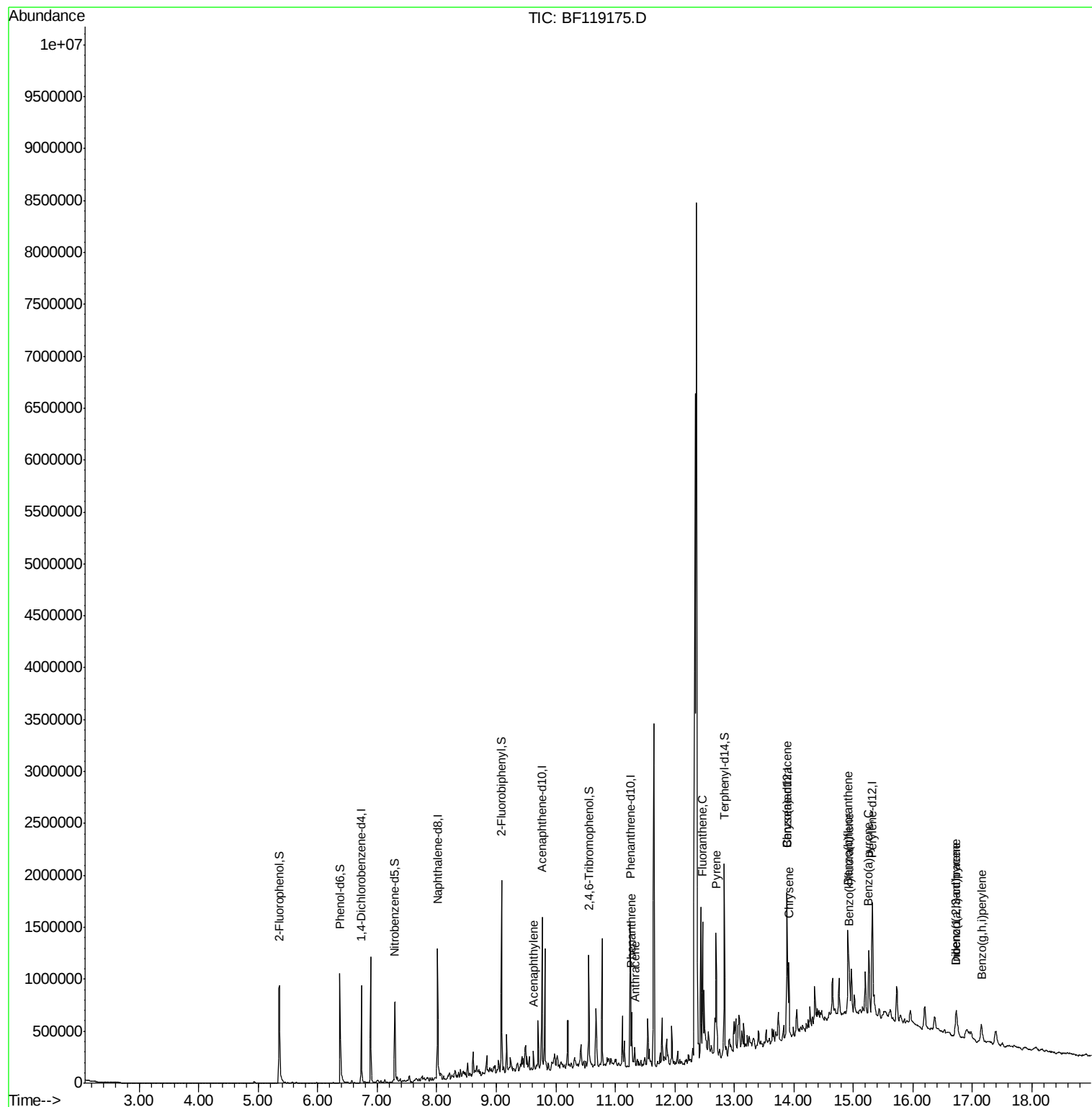
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
Data File : BF119175.D
Acq On : 2 Mar 2020 18:22
Operator : CG/JU
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 26 16:03:05 2020
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#1

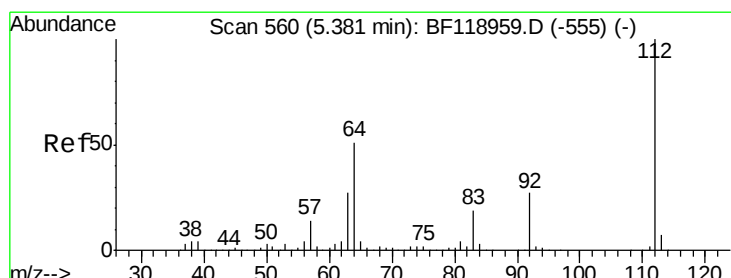
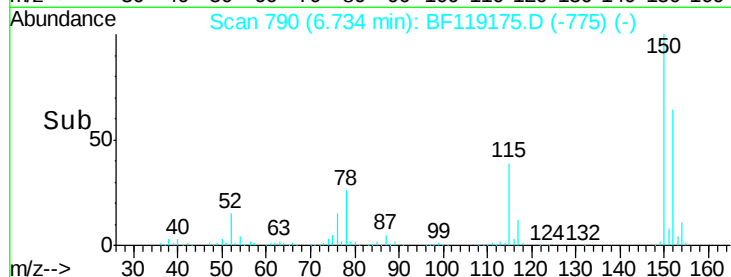
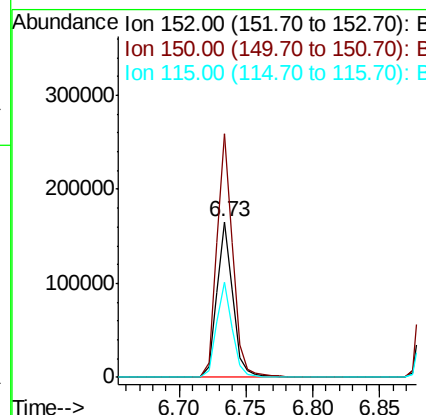
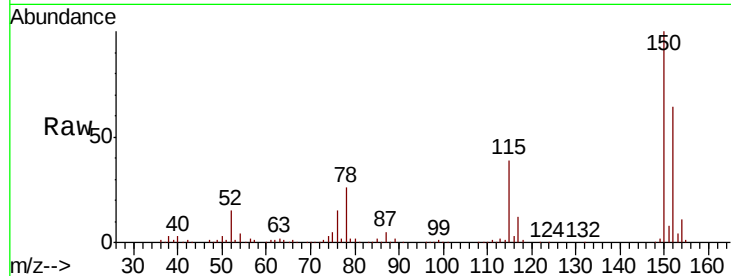
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Instrument :
BNA_F
ClientSampleId :
SU-03-022820

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	123.0	184.6
115	61.1	49.5	74.3

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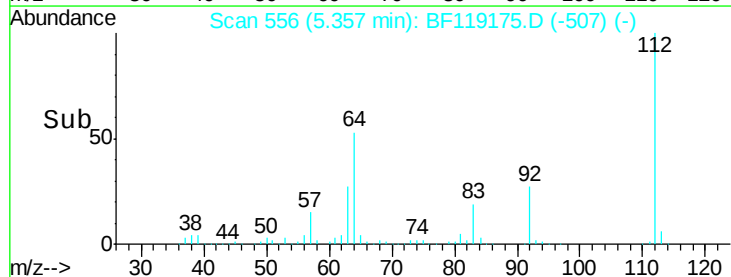
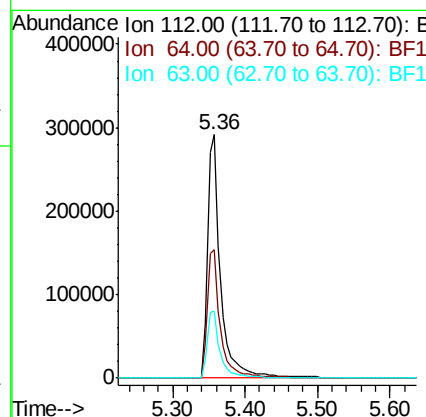
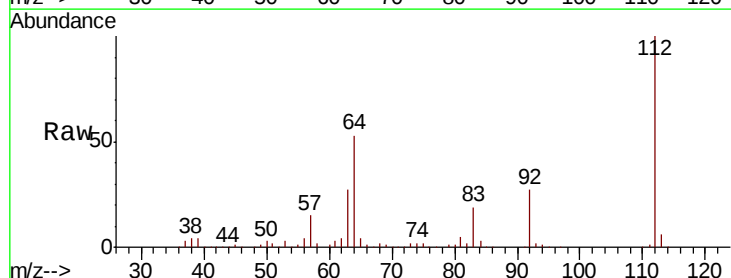
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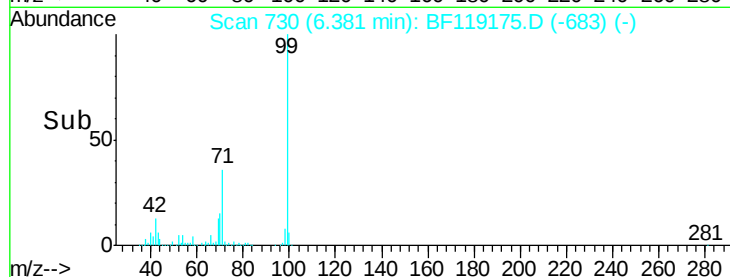
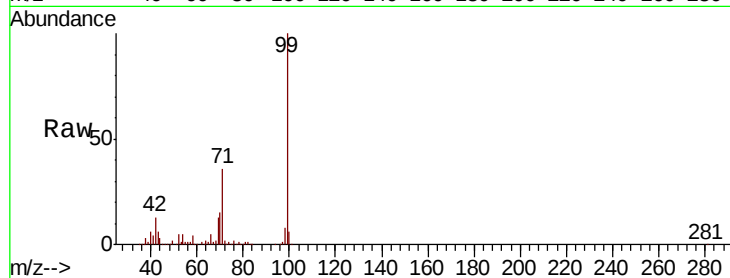
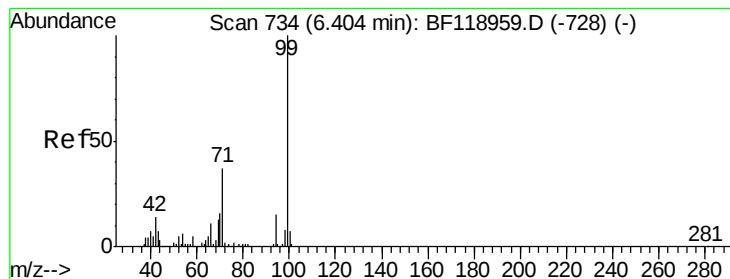


#5

2-Fluorophenol
Concen: 43.341 ng
RT: 5.36 min Scan# 556
Delta R.T. -0.01 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	45.0	67.4
63	27.3	24.2	36.4





#7

Phenol-d6

Concen: 44.347 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF119175.D

Acq: 2 Mar 2020 18:22

Tot Ion:	99	Resp:	451950
Ion	Ratio	Lower	Upper
99	100		
42	13.1	12.6	18.8
71	35.6	31.0	46.4

Instrument :

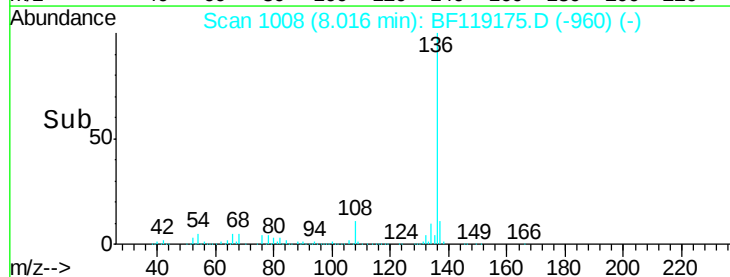
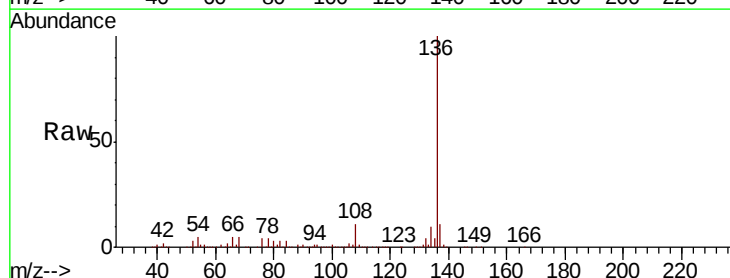
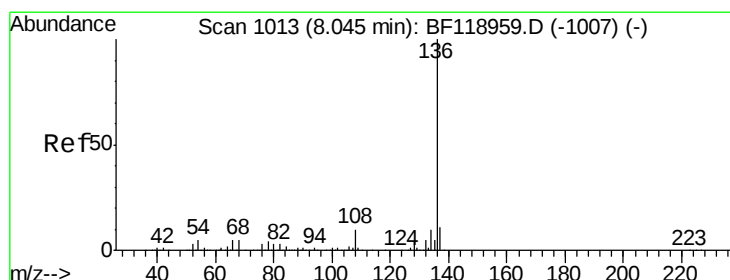
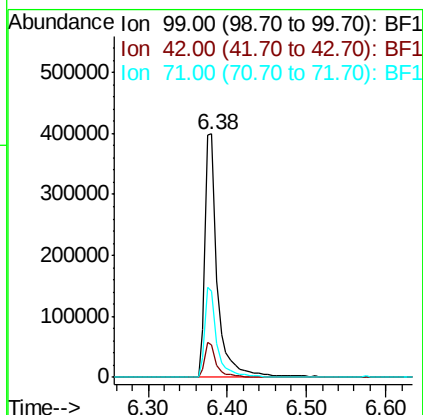
BNA_F

ClientSampled :

SU-03-022820

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#21

Naphthalene-d8

Concen: 20.000 ng

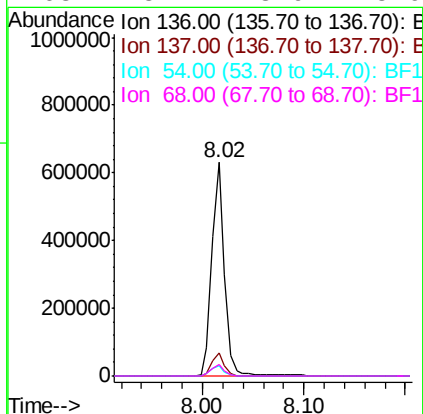
RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF119175.D

Acq: 2 Mar 2020 18:22

Tgt Ion:	136	Resp:	548689
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	5.1	3.8	5.6
68	5.2	3.9	5.9





#23

Nitrobenzene-d5

Concen: 28.336 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.03 min

Lab File: BF119175.D

Acq: 2 Mar 2020 18:22

Instrument :

BNA_F

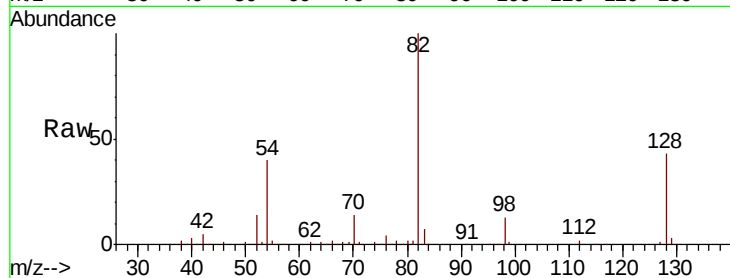
ClientSampleId :

SU-03-022820

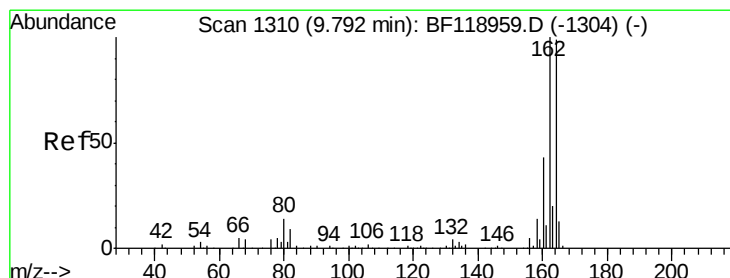
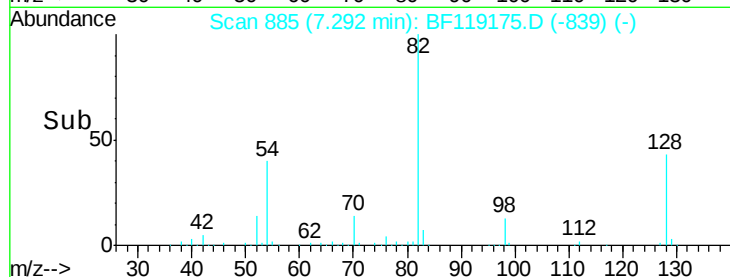
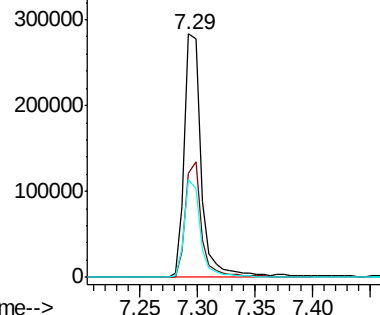
Tot Ion:	82	Resp:	294468
Ion Ratio	Lower	Upper	
82	100		
128	42.9	37.9	56.9
54	40.2	33.4	50.2

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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

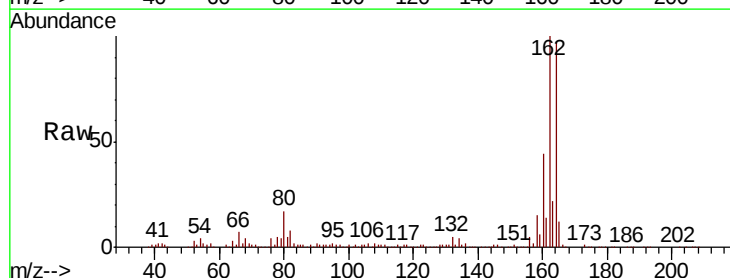
RT: 9.77 min Scan# 1306

Delta R.T. -0.02 min

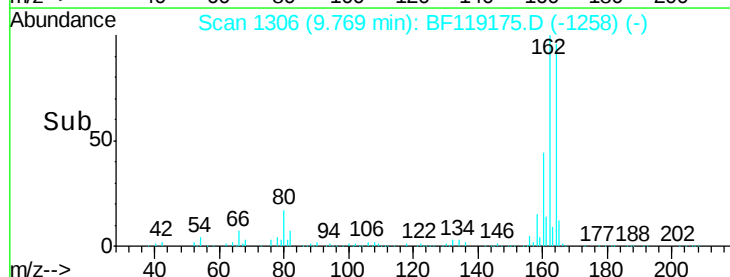
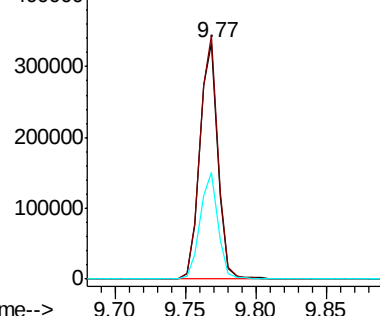
Lab File: BF119175.D

Acq: 2 Mar 2020 18:22

Tgt Ion:	164	Resp:	294846
Ion Ratio	Lower	Upper	
164	100		
162	102.9	81.8	122.8
160	45.3	36.0	54.0



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





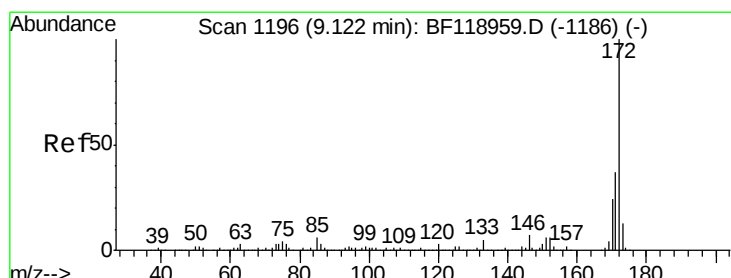
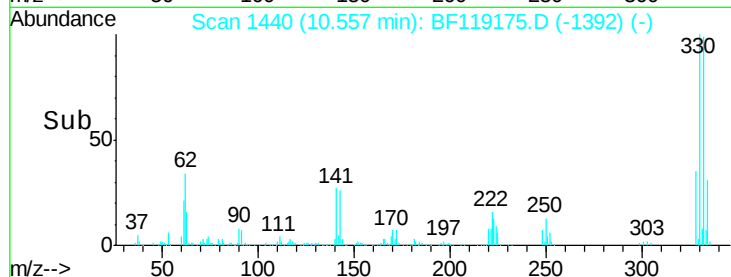
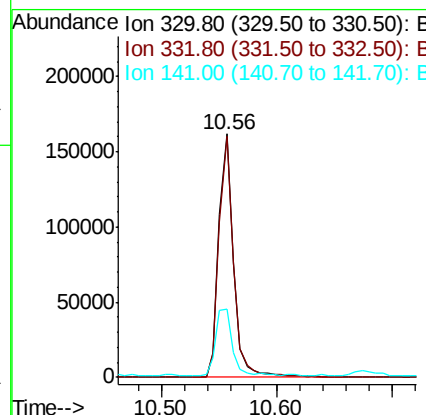
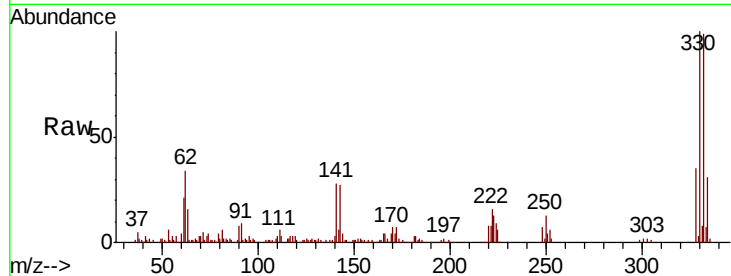
#42
 2,4,6-Tribromophenol
 Concen: 37.378 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF119175.D
 Acq: 2 Mar 2020 18:22

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-022820

Tot Ion	Ratio	Resp	Lower	Upper
330	100	144171		
332	98.1	76.0	114.0	
141	29.6	22.9	34.3	

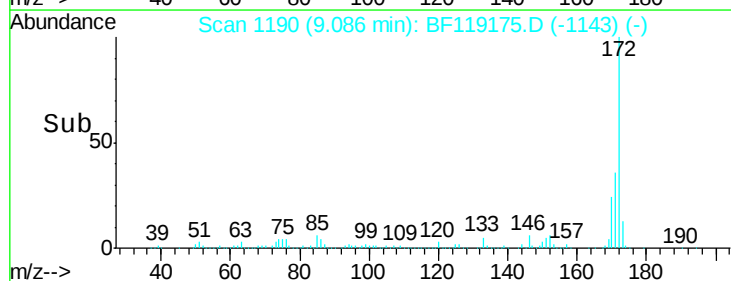
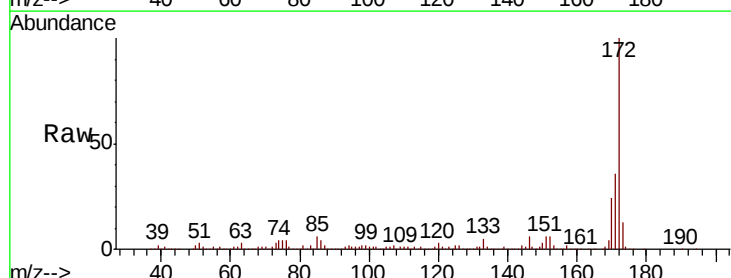
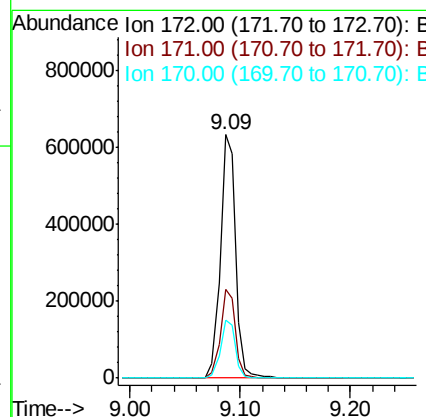
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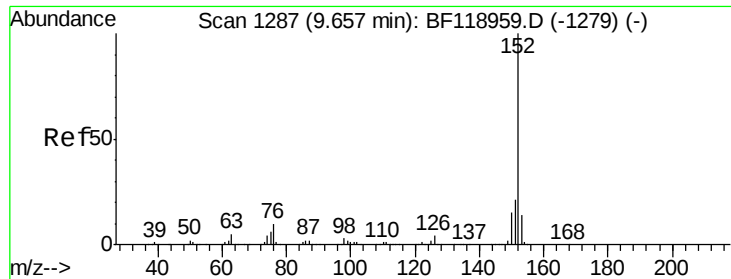
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#45
 2-Fluorobiphenyl
 Concen: 30.195 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: BF119175.D
 Acq: 2 Mar 2020 18:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	604324		
171	36.2	30.6	45.8	
170	23.6	20.2	30.2	





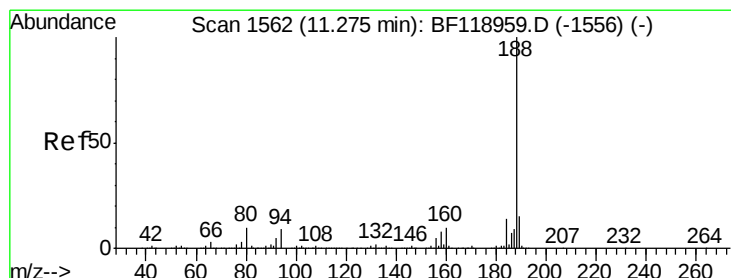
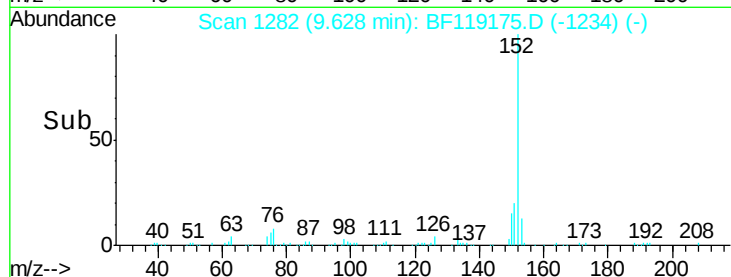
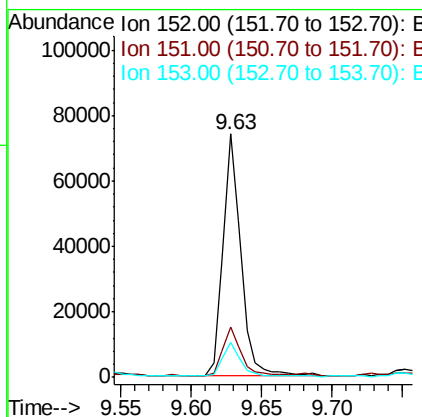
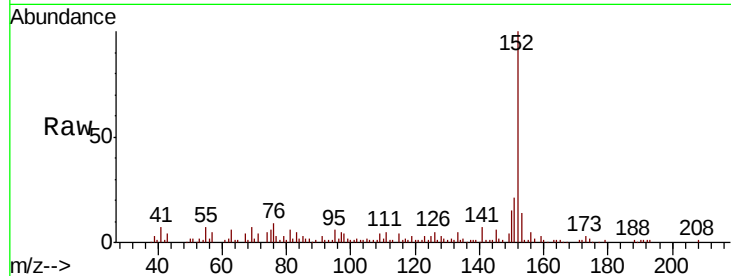
#49
Acenaphthylene
Concen: 2.373 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Instrument :
BNA_F
ClientSampleId :
SU-03-022820

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		65814		
151	20.8	16.9	25.3		
153	14.3	11.0	16.6		

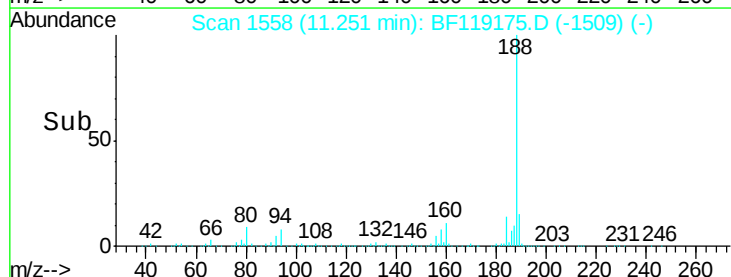
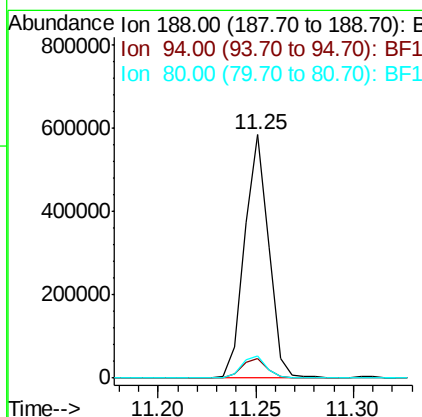
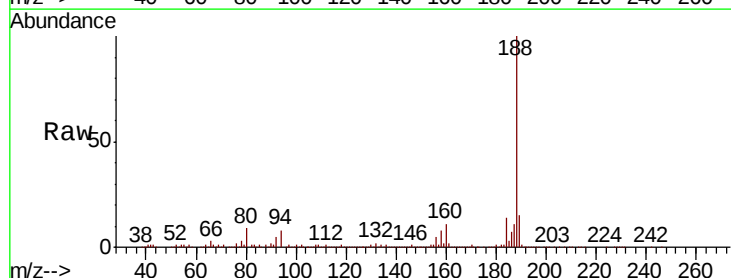
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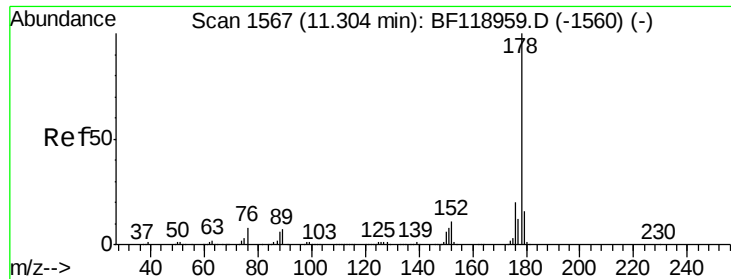
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		500910		
94	8.2	7.1	10.7		
80	9.0	7.8	11.8		





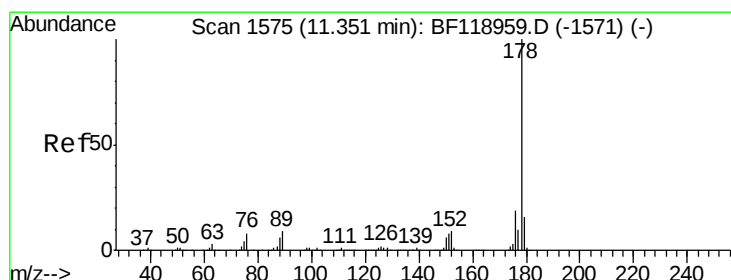
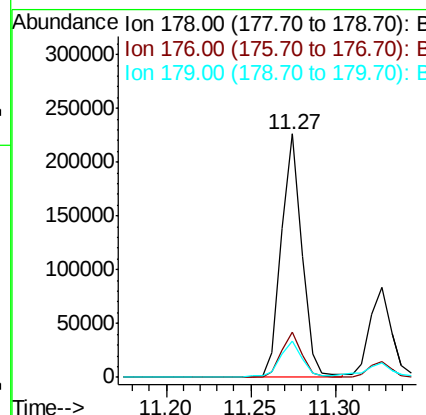
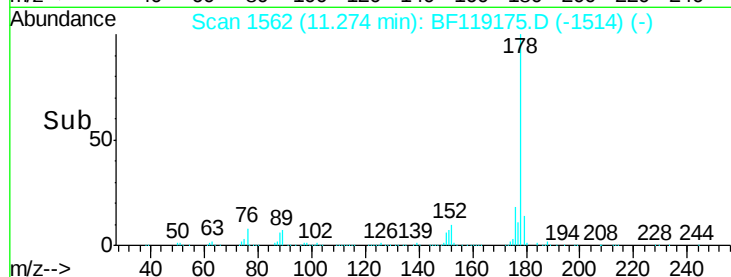
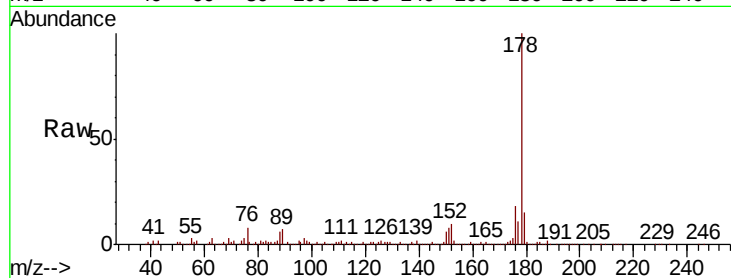
#71
Phenanthrene
Concen: 6.863 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Instrument :
BNA_F
ClientSampleId :
SU-03-022820

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.5	24.7
179	14.9	13.0	19.6

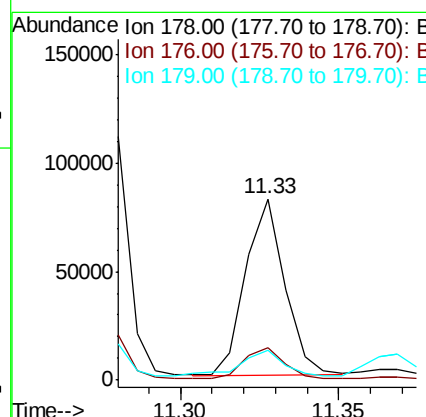
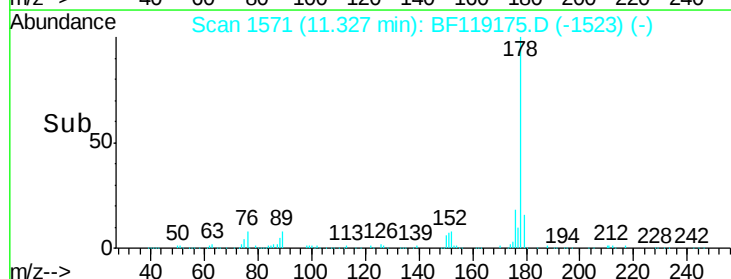
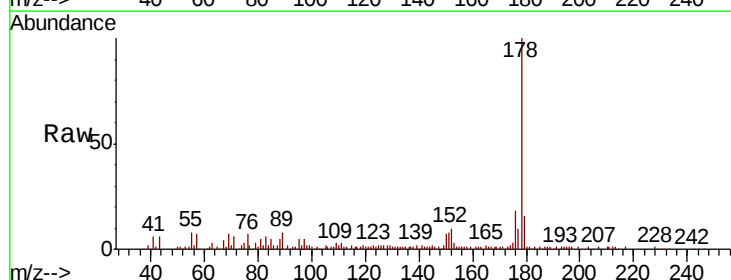
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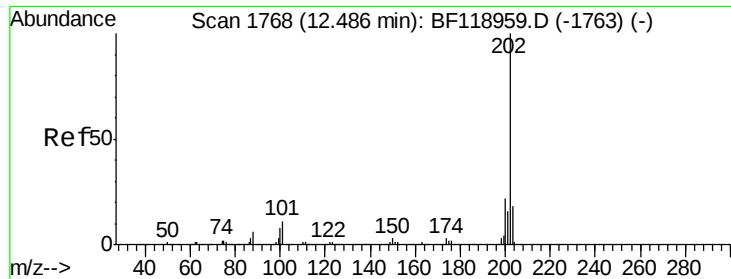
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#72
Anthracene
Concen: 2.561 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.02 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	16.0	24.0
179	16.2	13.1	19.7





#75

Fluoranthene

Concen: 17.566 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF119175.D

Acq: 2 Mar 2020 18:22

Instrument :

BNA_F

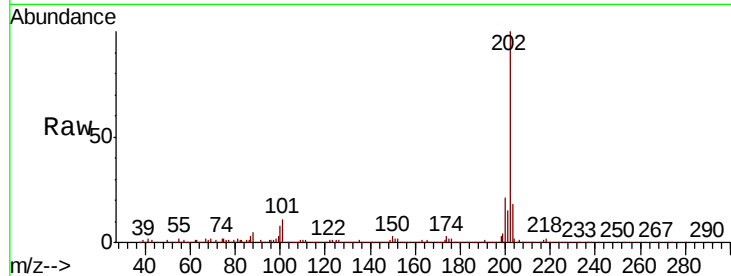
ClientSampleId :

SU-03-022820

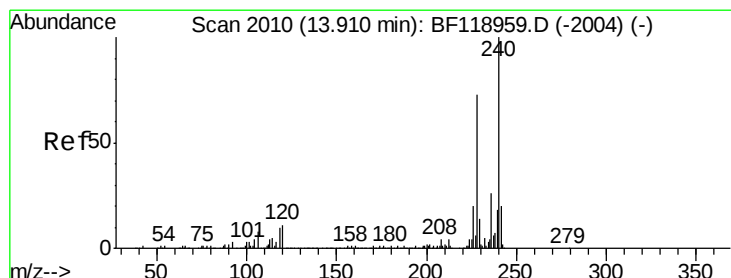
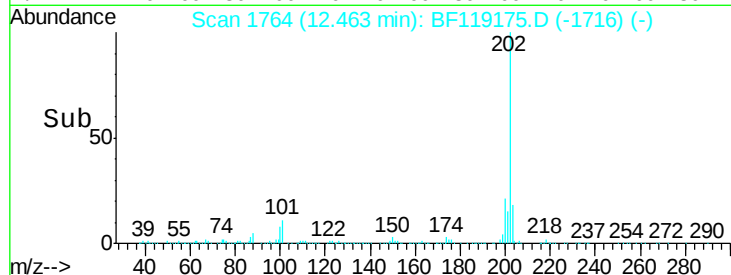
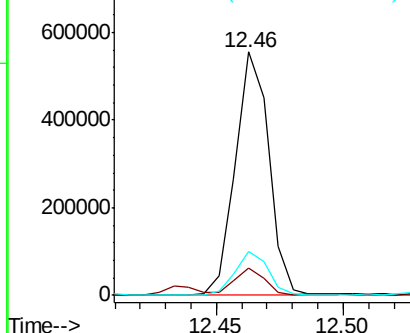
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.2	0.0	30.3
203	18.1	0.0	38.4

Manual Integrations
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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

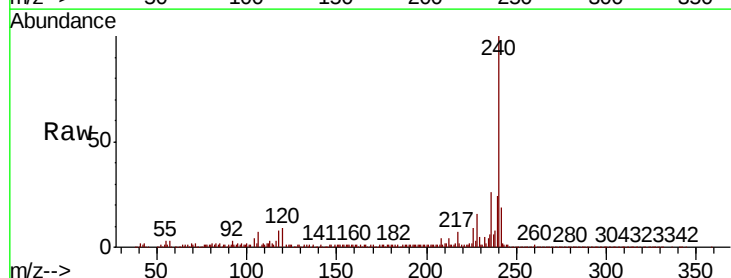
RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

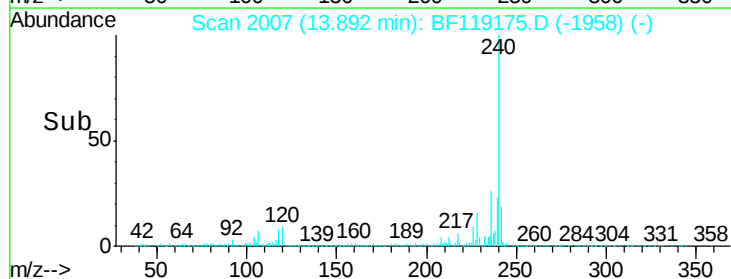
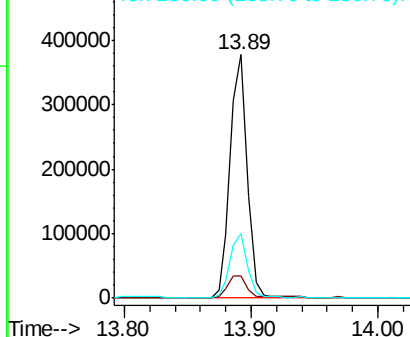
Lab File: BF119175.D

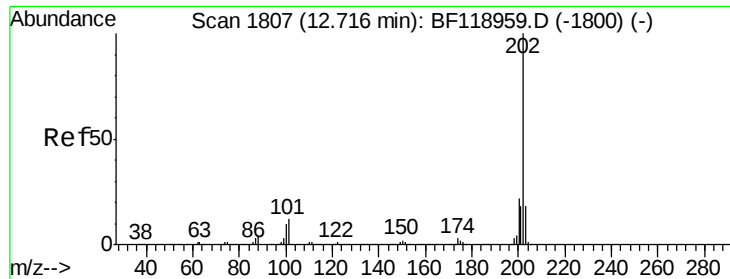
Acq: 2 Mar 2020 18:22

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.1	8.4	12.6
236	26.4	21.0	31.4



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





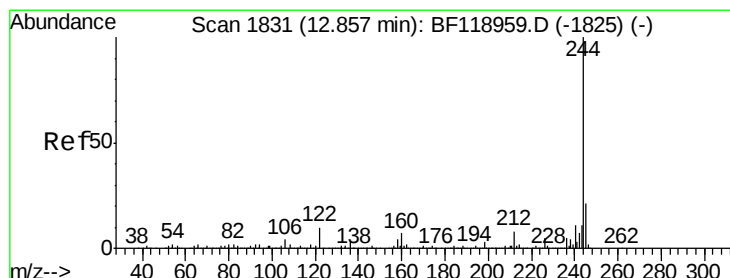
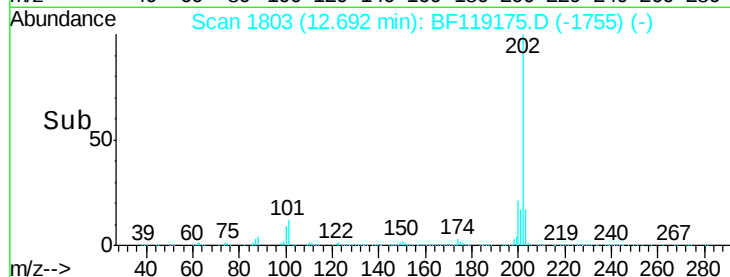
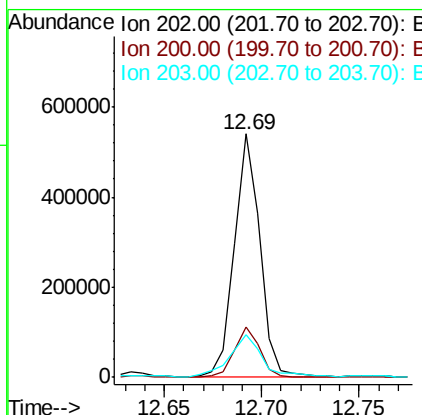
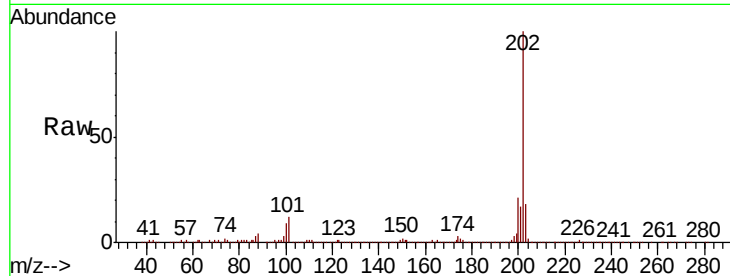
#78
Pvrene
Concen: 17.406 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.02 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Instrument :
BNA_F
ClientSampleId :
SU-03-022820

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.0	27.0
203	17.8	14.6	22.0

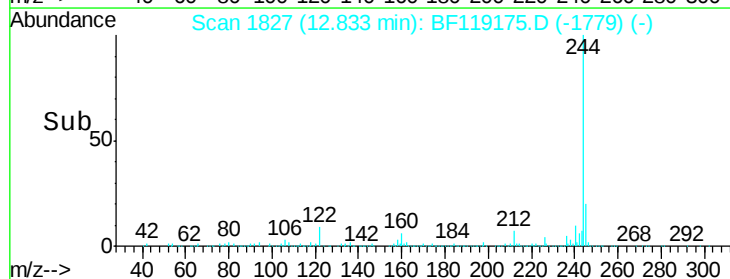
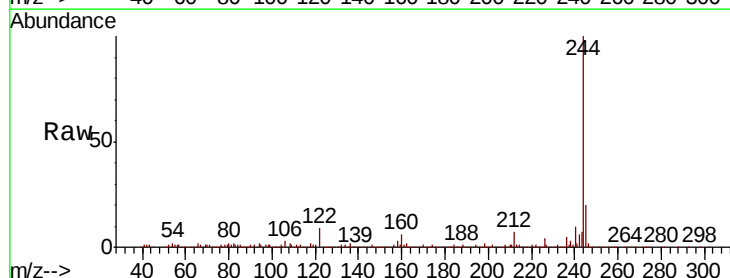
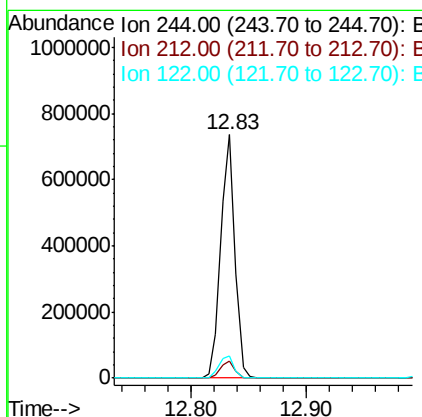
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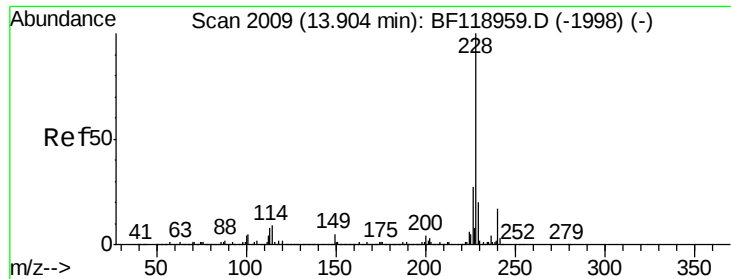
mohammad
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#79
Terphenyl-d14
Concen: 31.177 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.6	10.0
122	8.9	8.2	12.2





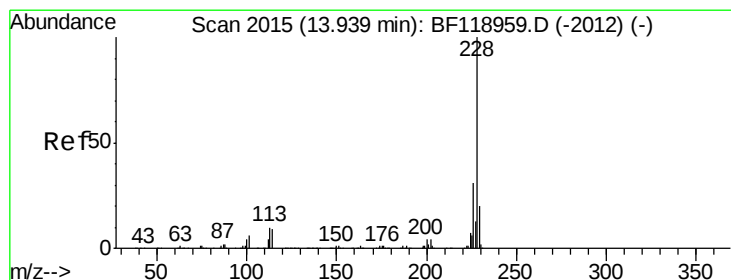
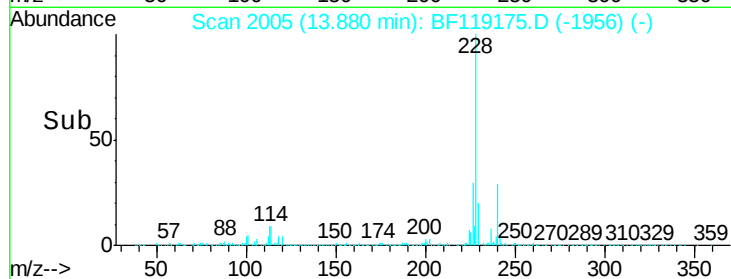
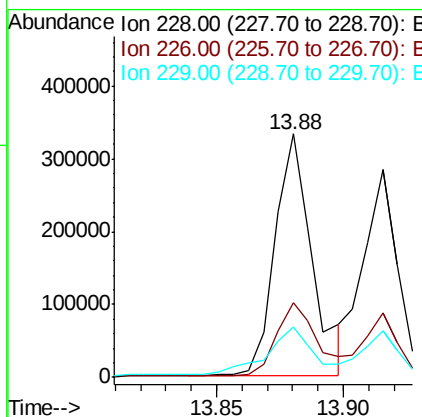
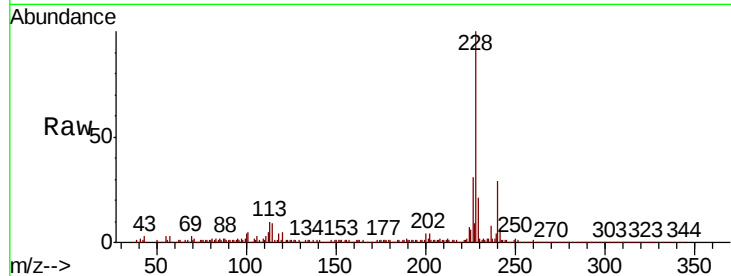
#81
Benzo(a)anthracene
Concen: 14.289 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Instrument :
BNA_F
ClientSampleId :
SU-03-022820

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	20.8	16.6	24.8

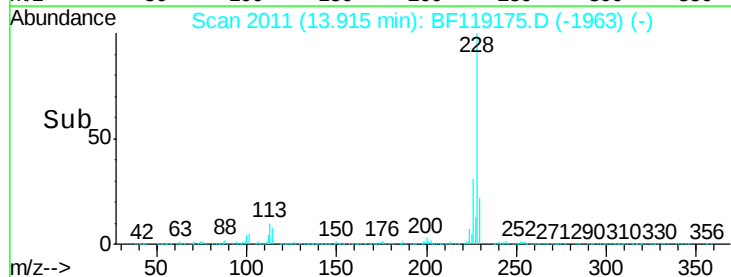
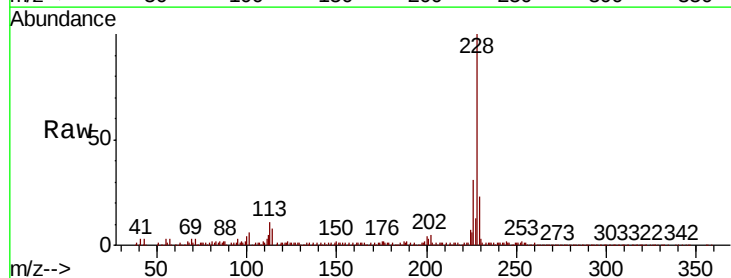
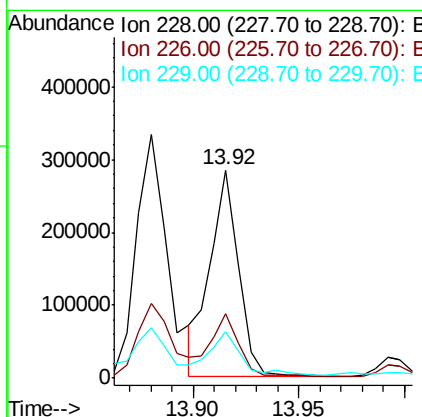
Manual Integrations
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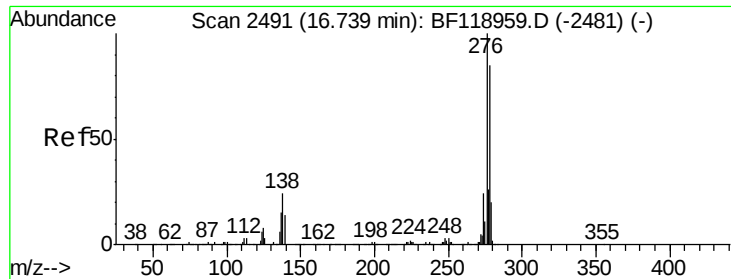
mohammad
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#83
Chrysene
Concen: 11.362 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.02 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.1	37.7
229	22.6	16.3	24.5





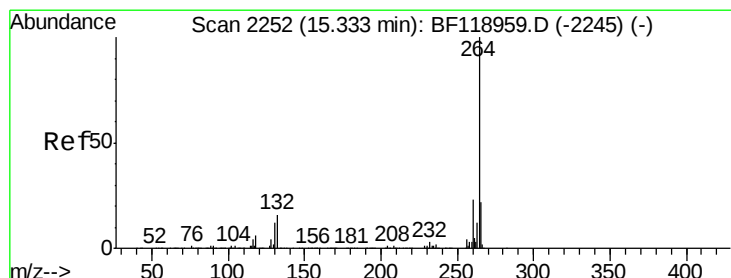
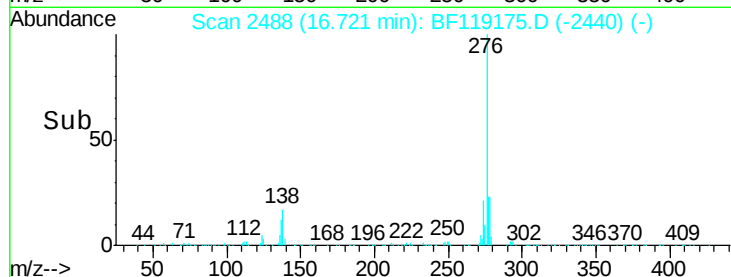
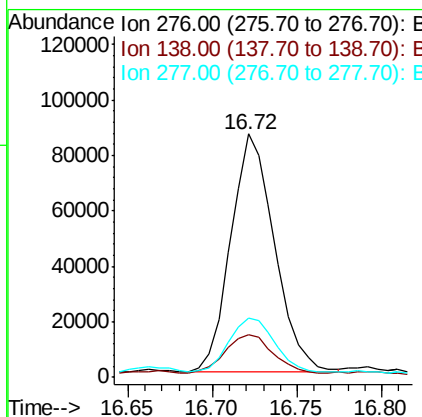
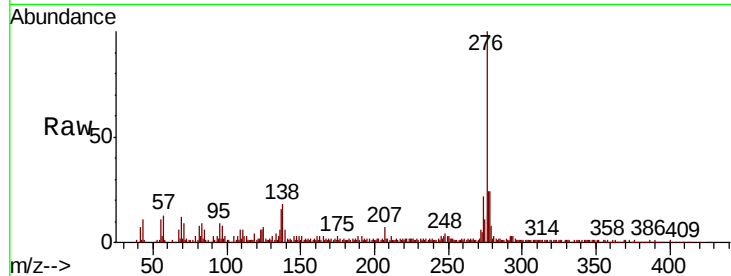
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.740 ng
RT: 16.72 min Scan# 2488
Delta R.T. -0.02 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Instrument :
BNA_F
ClientSampleId :
SU-03-022820

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	17.4	26.0
277	24.6	20.3	30.5

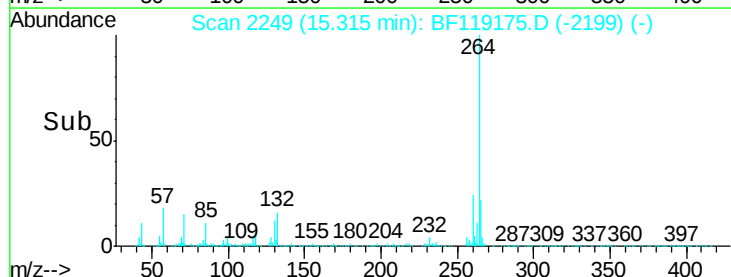
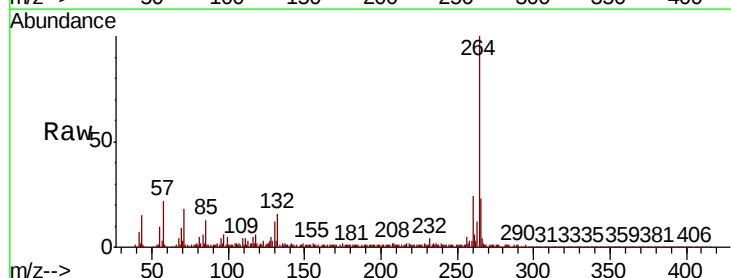
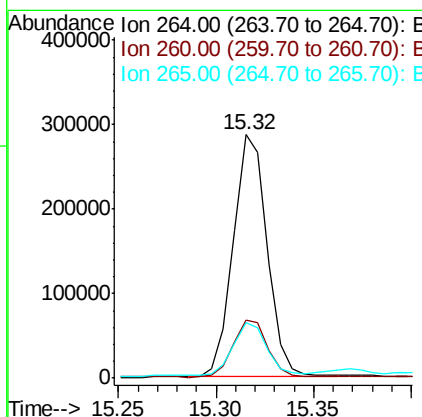
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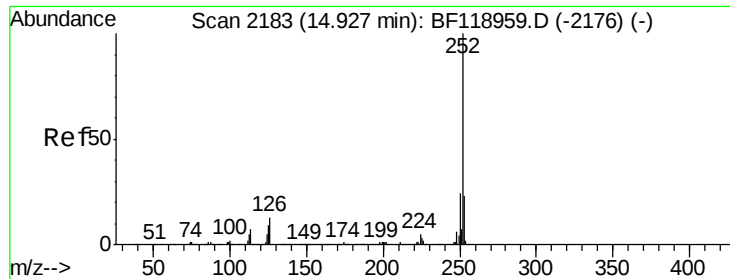
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. -0.01 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	22.6	17.7	26.5





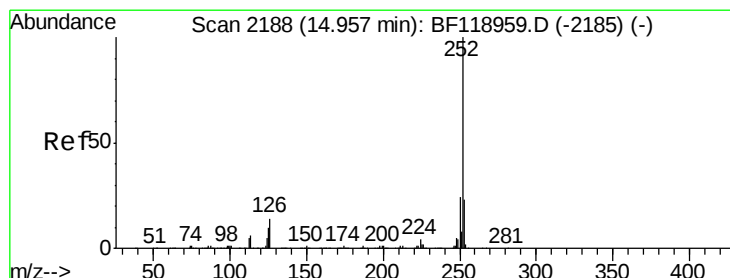
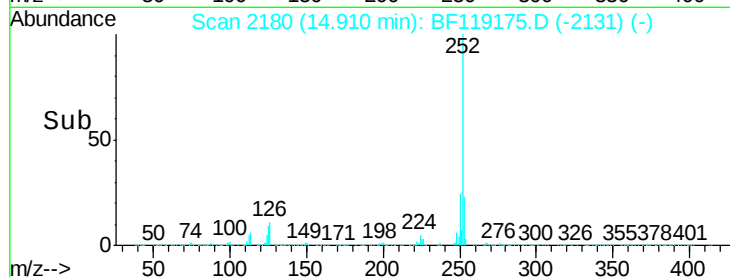
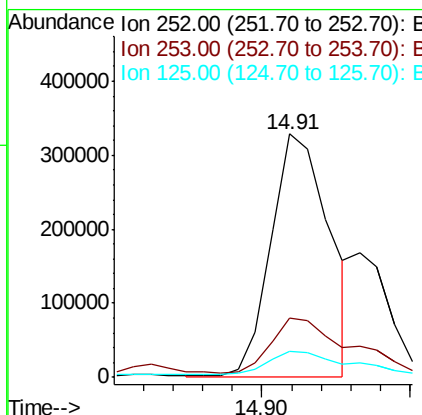
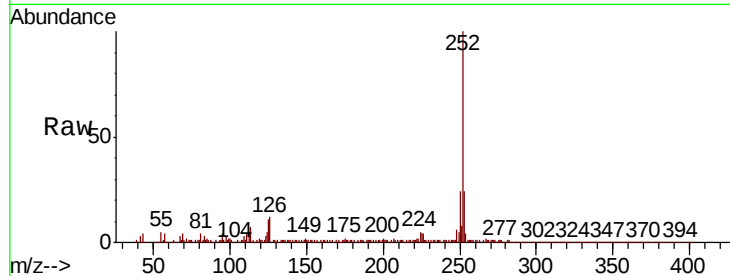
#88
Benzo(b)fluoranthene
Concen: 19.740 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Instrument :
BNA_F
ClientSampleId :
SU-03-022820

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	10.7	7.4	11.0

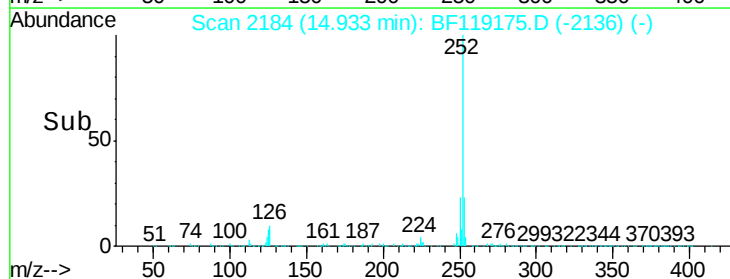
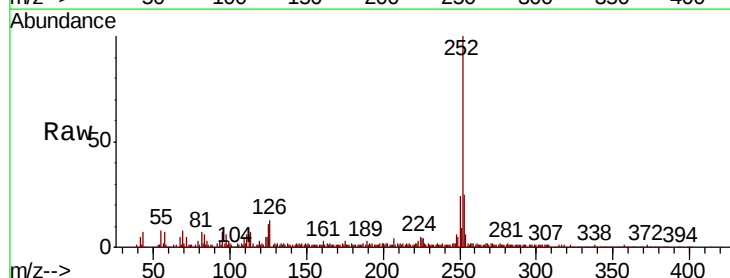
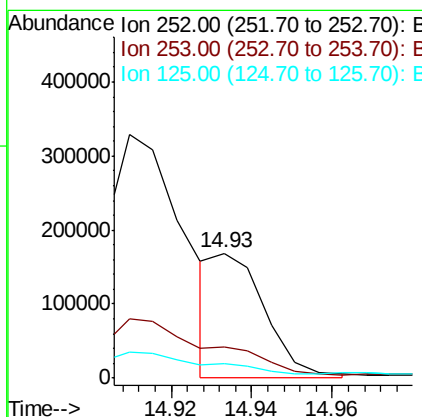
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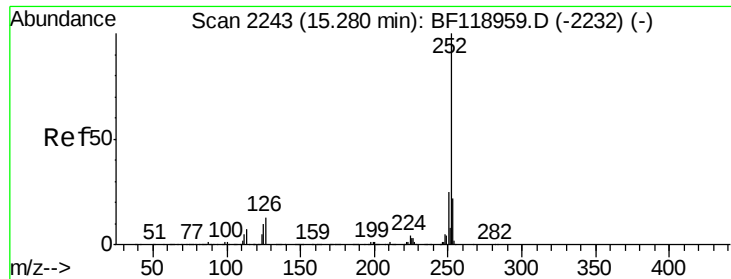
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#89
Benzo(k)fluoranthene
Concen: 7.038 ng m
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.8
125	11.5	7.5	11.3





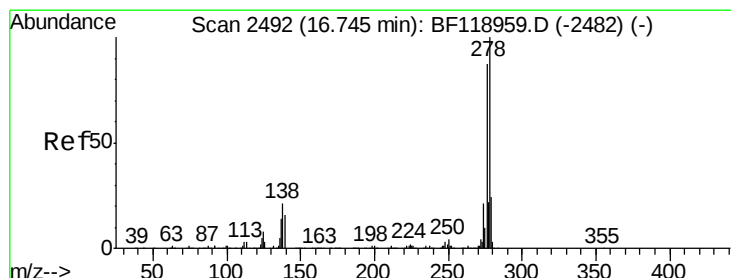
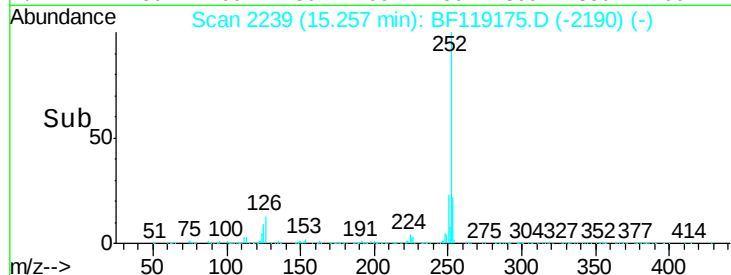
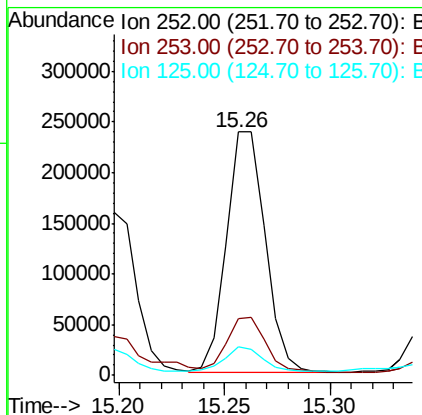
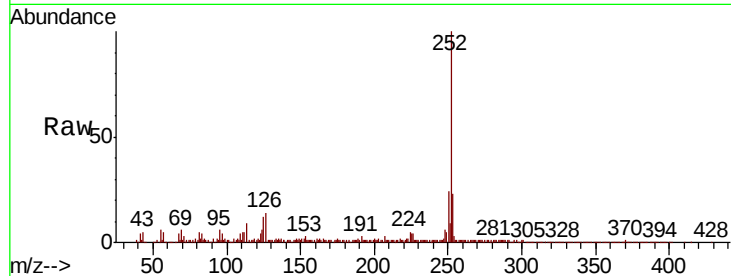
#90
Benzo(a)pyrene
Concen: 14.653 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Instrument :
BNA_F
ClientSampleId :
SU-03-022820

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	11.6	8.6	12.8

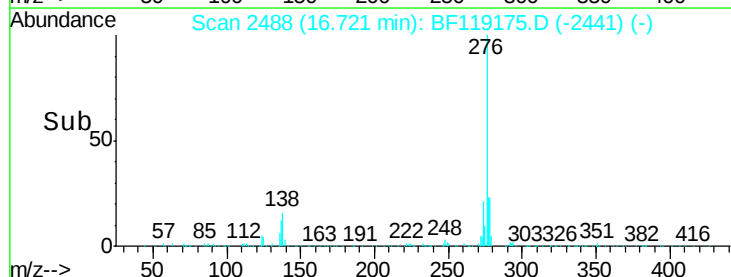
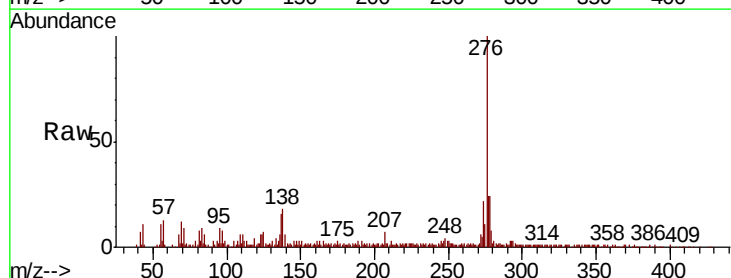
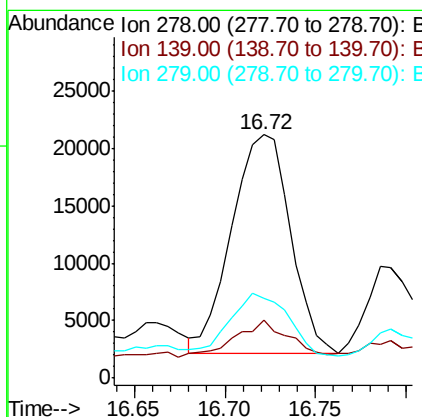
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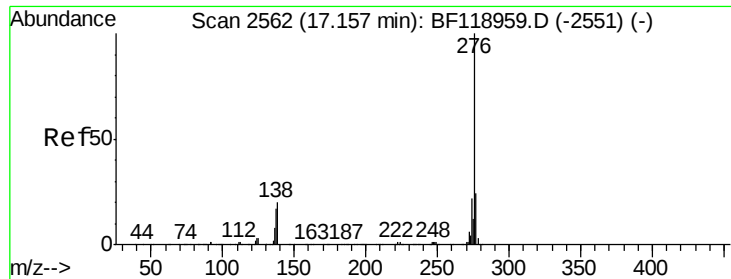
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.344 ng
RT: 16.72 min Scan# 2488
Delta R.T. -0.02 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.9	11.0	16.4#
279	33.0	18.6	28.0#





#92
 Benzo(a,h,i)perylene
 Concen: 7.551 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. -0.01 min
 Lab File: BF119175.D
 Acq: 2 Mar 2020 18:22

Instrument :
 BNA_F
 ClientSampled :
 SU-03-022820

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	18.7	28.1
138	19.8	14.3	21.5

Manual Integrations
 APPROVED

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