

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115682.D
 Acq On : 19 Jul 2019 20:01
 Operator : HP/JU
 Sample : K3868-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

mohammad
 7/22/2019 10:01:42 AM

Quant Time: Jul 20 02:28:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	219511	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	897753	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	435778	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	727433	20.00	ng	0.00
76) Chrysene-d12	14.04	240	392977	20.00	ng	0.00
87) Perylene-d12	15.52	264	361366	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1201889	89.56	ng	0.00
7) Phenol-d6	6.52	99	1598962	93.90	ng	0.00
23) Nitrobenzene-d5	7.44	82	1028766	66.63	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	408789	80.37	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1781406	71.55	ng	-0.01
79) Terphenyl-d14	12.99	244	1511240	70.96	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.63	163	368854	11.250	ng	98
71) Phenanthrene	11.43	178	703470	18.866	ng	97
72) Anthracene	11.48	178	94629	2.456	ng	96
75) Fluoranthene	12.62	202	1275933	32.382	ng	98
78) Pyrene	12.85	202	1203841	36.157	ng	98
81) Benzo(a)anthracene	14.03	228	478442	18.480	ng	99
83) Chrysene	14.07	228	512129	19.705	ng	97
86) Indeno(1,2,3-cd)pyrene	17.00	276	231976	10.506	ng	96
88) Benzo(b)fluoranthene	15.09	252	583804m	25.089	ng	
89) Benzo(k)fluoranthene	15.12	252	166174m	8.010	ng	
90) Benzo(a)pyrene	15.46	252	370692	18.535	ng	98
91) Dibenzo(a,h)anthracene	17.00	278	60281m	3.433	ng	
92) Benzo(a,h,i)perylene	17.45	276	234735	13.405	ng	99

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

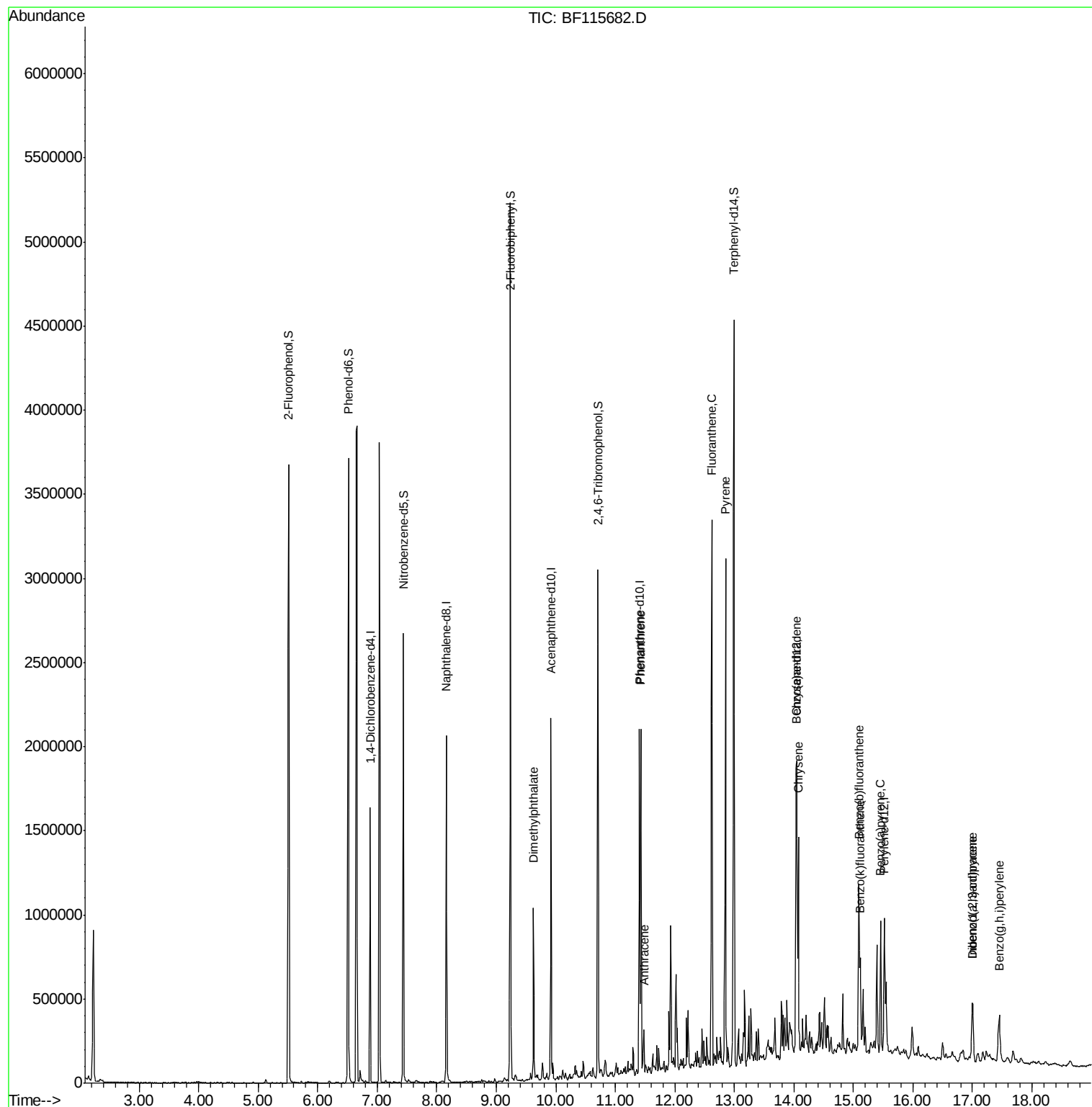
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
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ALS Vial : 7 Sample Multiplier: 1

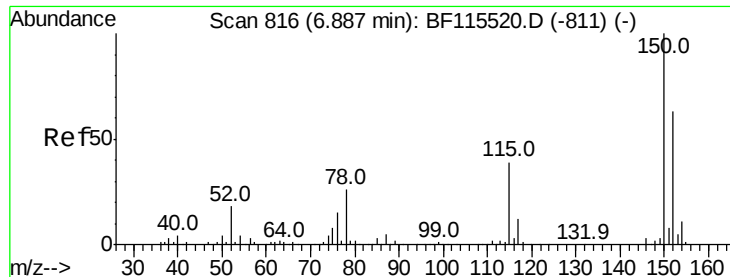
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#1

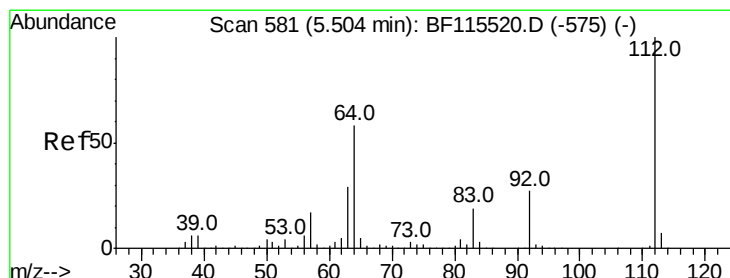
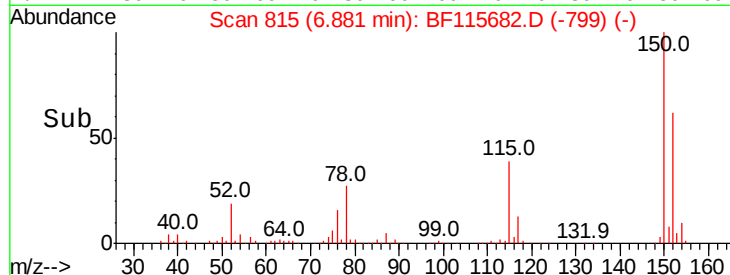
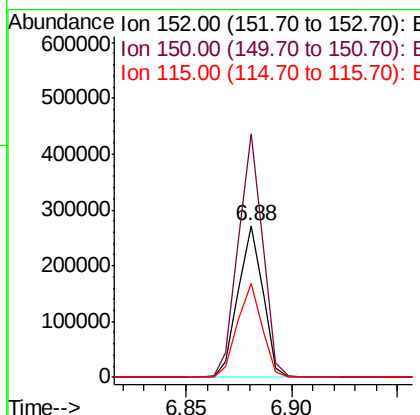
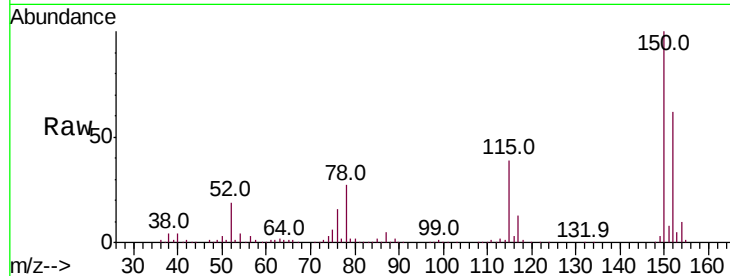
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF115682.D
 Acq: 19 Jul 2019 20:01

Instrument :
 BNA_F
 ClientSampled :
 TP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	129.7	194.5
115	61.8	48.2	72.4

Manual Integrations
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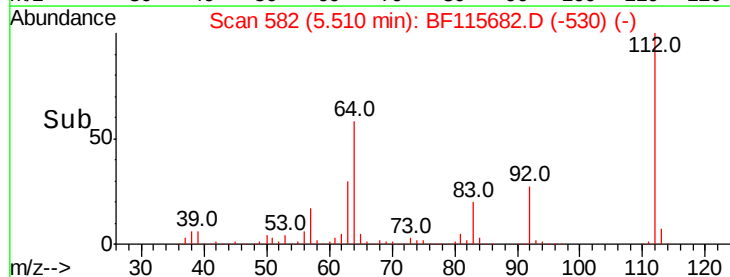
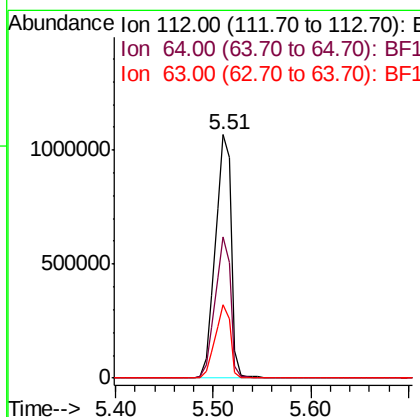
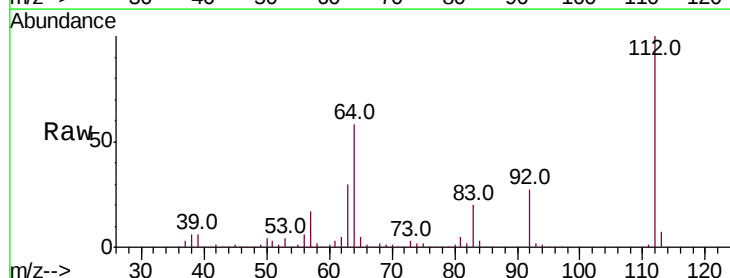
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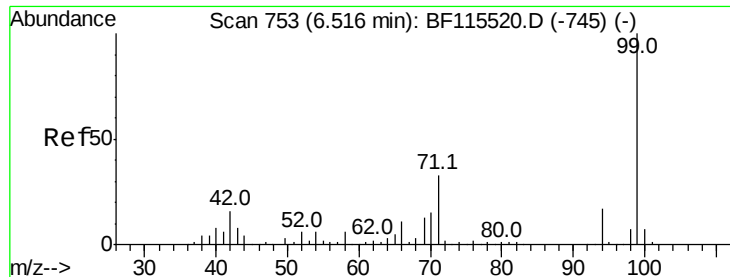


#5

2-Fluorophenol
 Concen: 89.560 ng
 RT: 5.51 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: BF115682.D
 Acq: 19 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.8	70.2
63	30.2	24.1	36.1





#7

Phenol-d6

Concen: 93.900 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Instrument :

BNA_F

ClientSampleId :

TP-2

Tot Ion: 99 Resp: 1598962

Ion Ratio Lower Upper

99 100

42 16.5 13.6 20.4

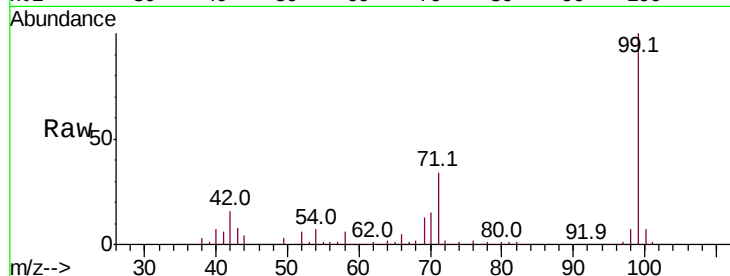
71 34.2 28.5 42.7

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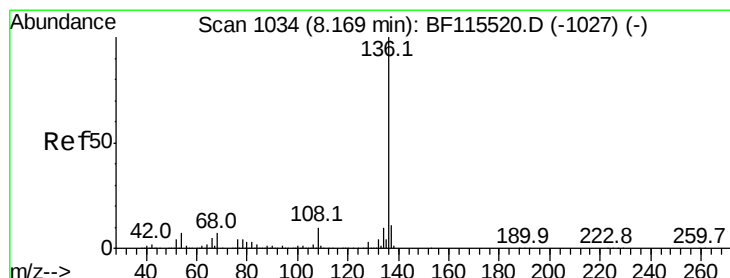
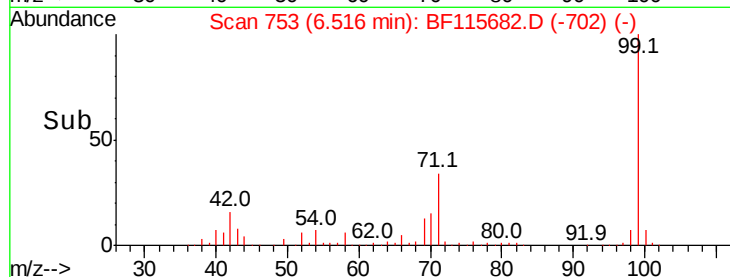
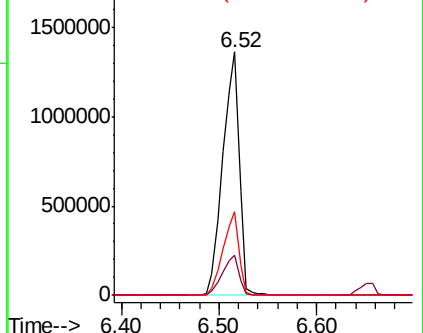
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Tgt Ion: 136 Resp: 897753

Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.2 5.6 8.4

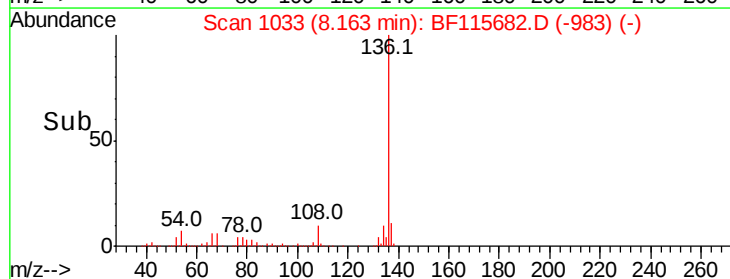
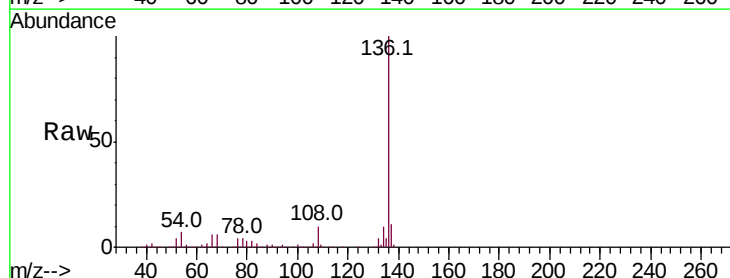
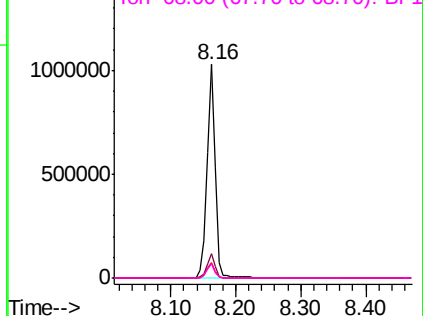
68 6.4 5.0 7.6

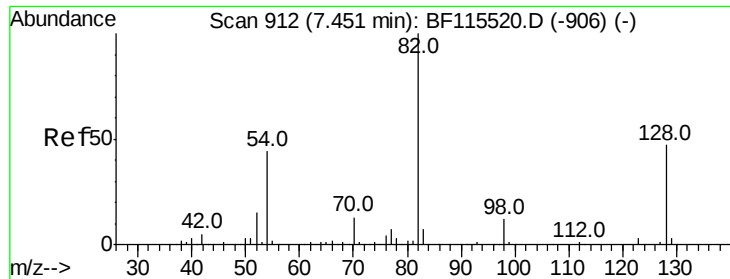
Abundance Ion 136.00 (135.70 to 136.70): E

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





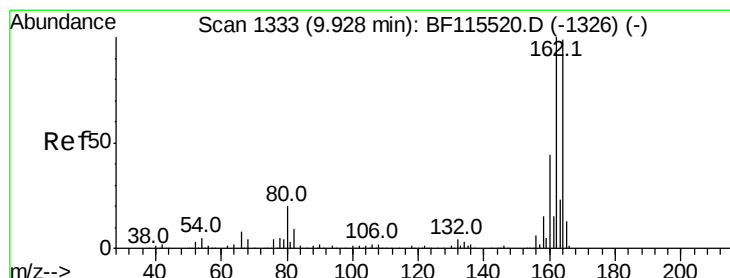
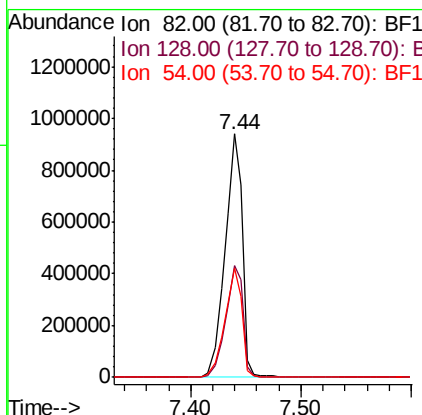
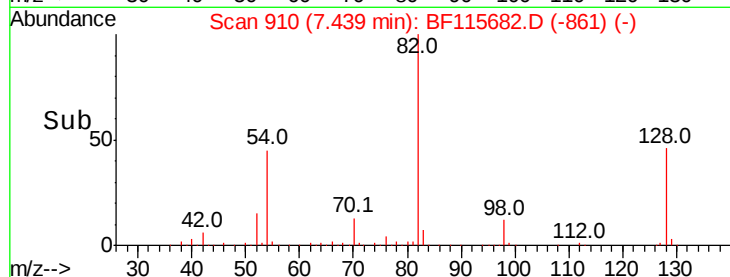
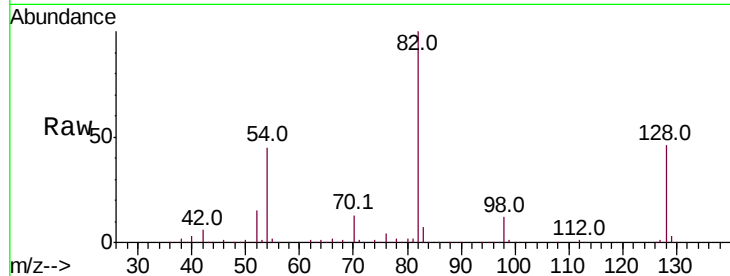
#23
Nitrobenzene-d5
Concen: 66.632 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion: 82 Resp: 1028766
Ion Ratio Lower Upper
82 100
128 45.7 38.6 57.8
54 45.0 35.6 53.4

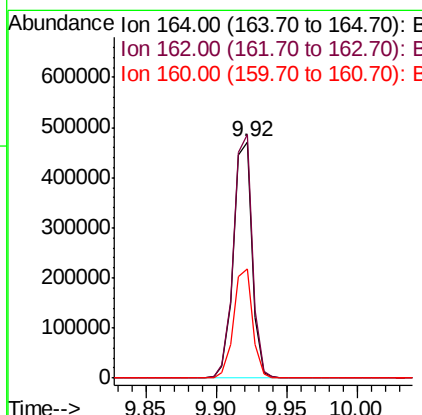
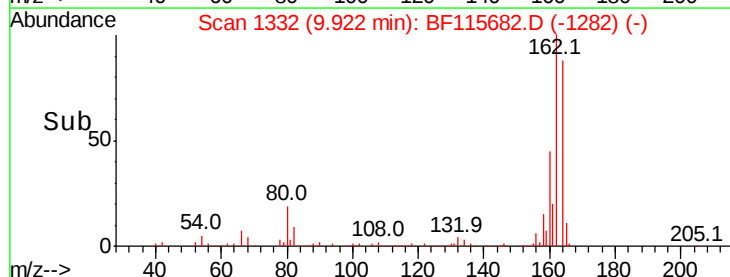
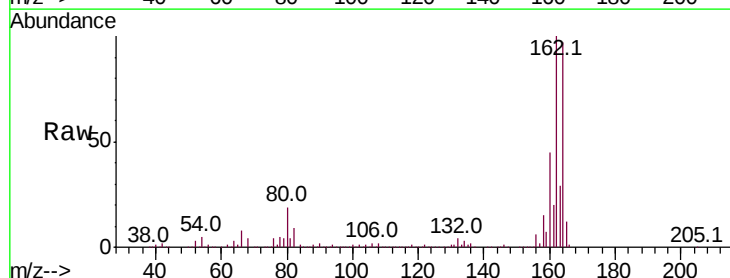
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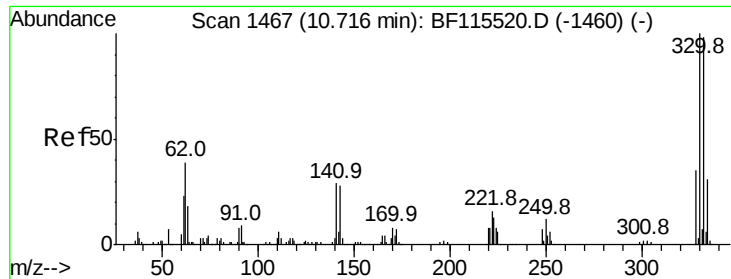
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Tgt Ion:164 Resp: 435778
Ion Ratio Lower Upper
164 100
162 103.1 82.9 124.3
160 46.5 36.8 55.2





#42

2,4,6-Tribromophenol

Concen: 80.366 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Instrument :

BNA_F

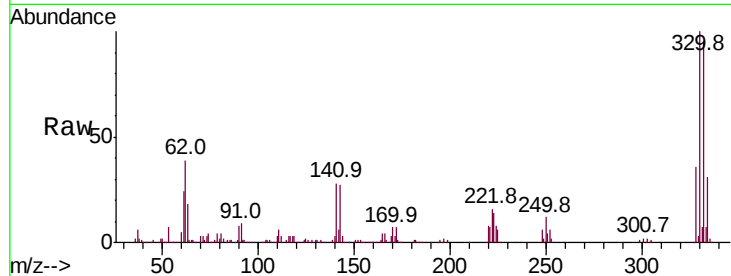
ClientSampled :

TP-2

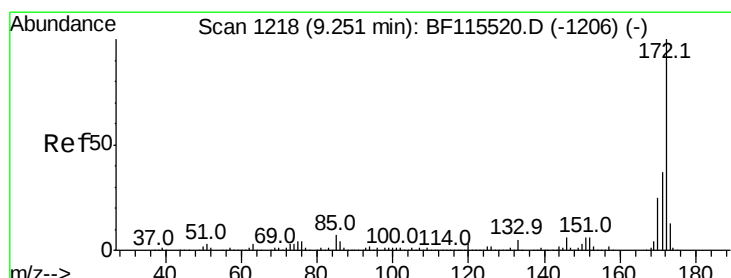
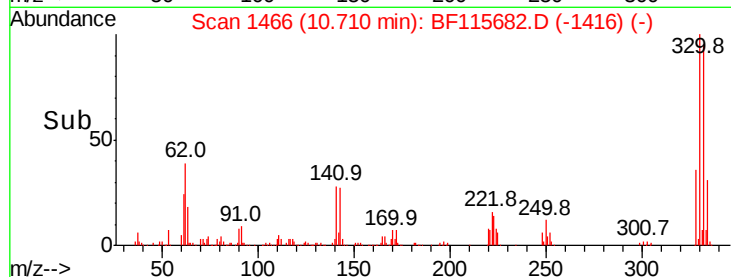
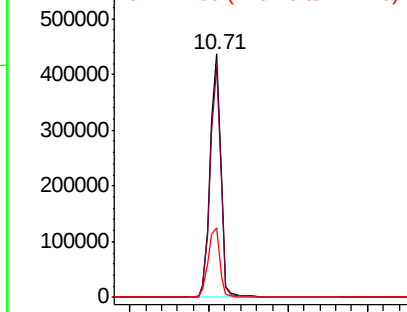
Tot Ion:	330	Resp:	408789
Ion Ratio	Lower	Upper	
330	100		
332	94.9	77.4	116.2
141	31.1	22.4	33.6

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 71.549 ng

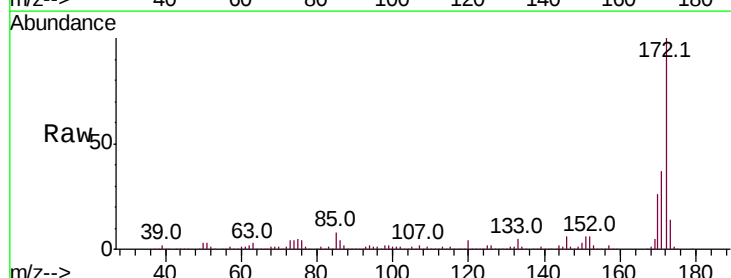
RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

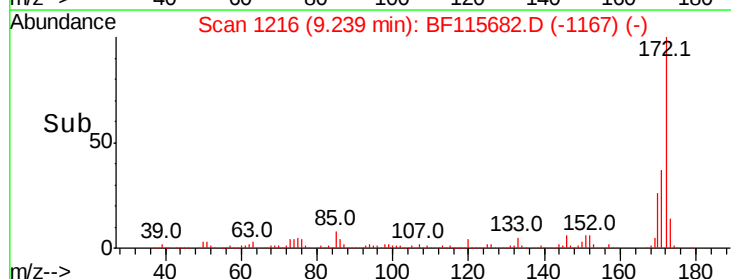
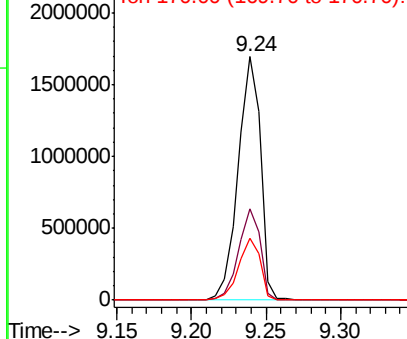
Lab File: BF115682.D

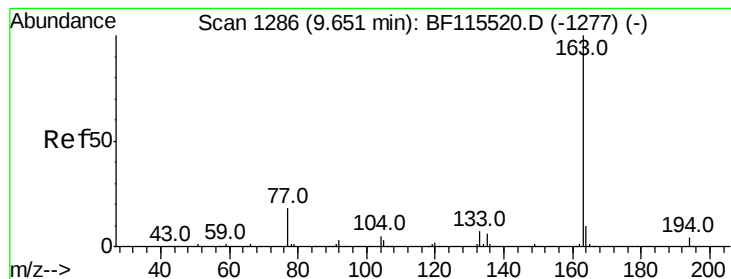
Acq: 19 Jul 2019 20:01

Tgt Ion:	172	Resp:	1781406
Ion Ratio	Lower	Upper	
172	100		
171	37.3	30.6	46.0
170	25.6	20.5	30.7



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 11.250 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Instrument :

BNA_F

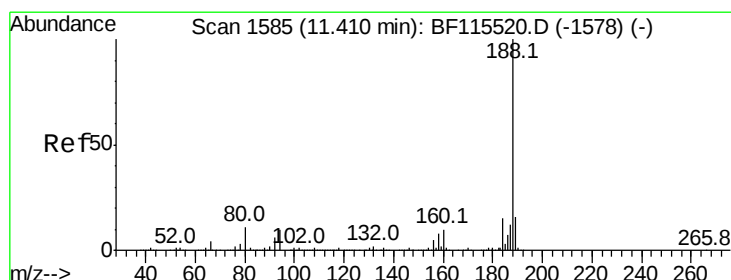
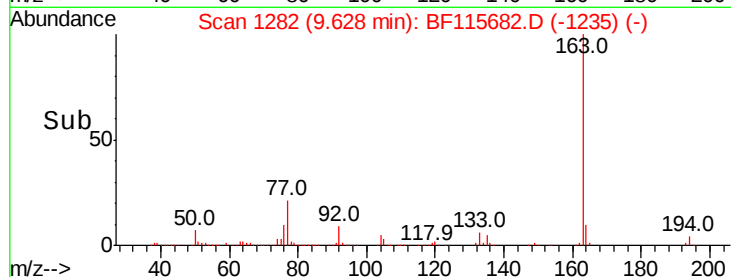
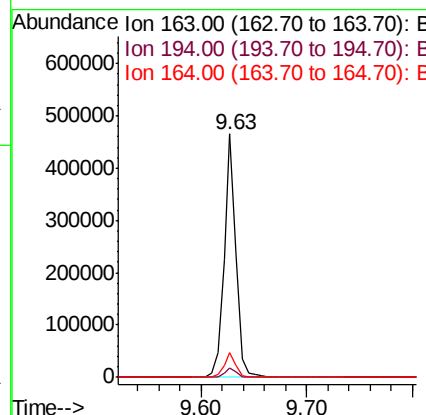
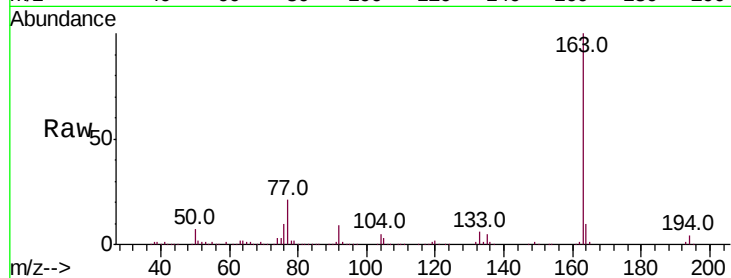
ClientSampleId :

TP-2

Tot Ion:	163	Resp:	368854
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.3	4.9
164	10.2	8.7	13.1

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#64

Phenanthrene-d10

Concen: 20.000 ng

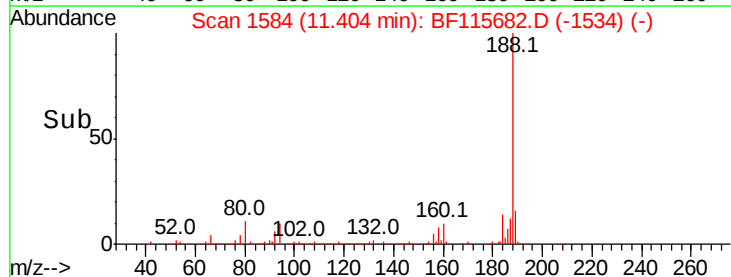
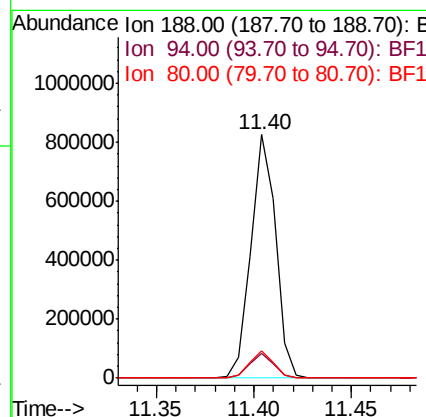
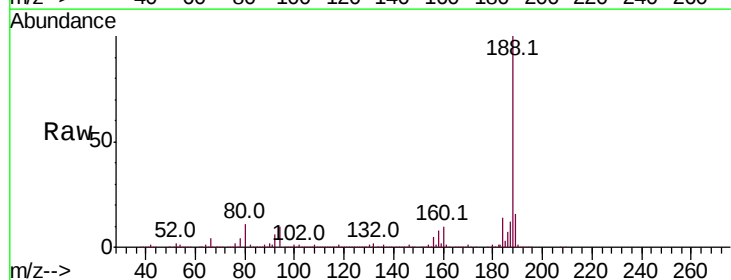
RT: 11.40 min Scan# 1584

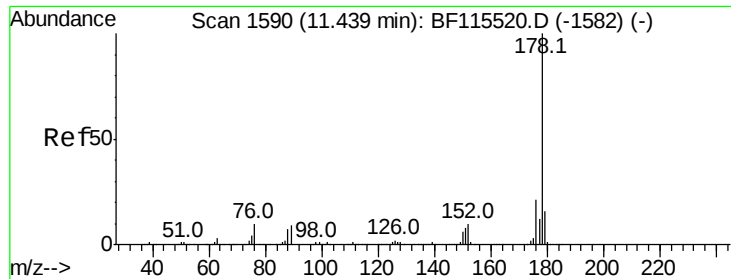
Delta R.T. -0.01 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Tgt Ion:	188	Resp:	727433
Ion Ratio	Lower	Upper	
188	100		
94	10.4	7.8	11.6
80	11.3	8.6	13.0





#71

Phenanthrene

Concen: 18.866 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Instrument :

BNA_F

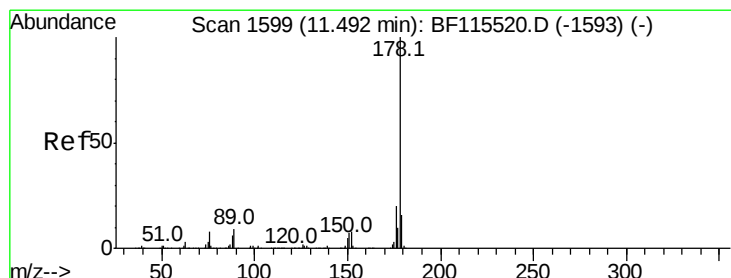
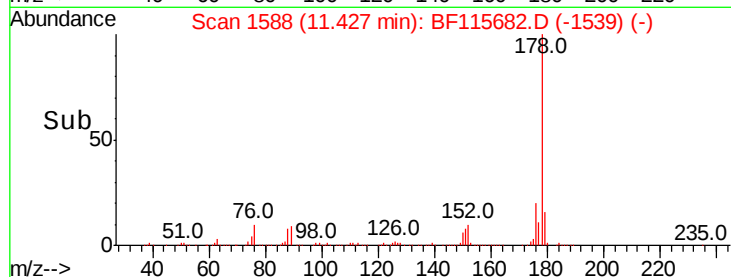
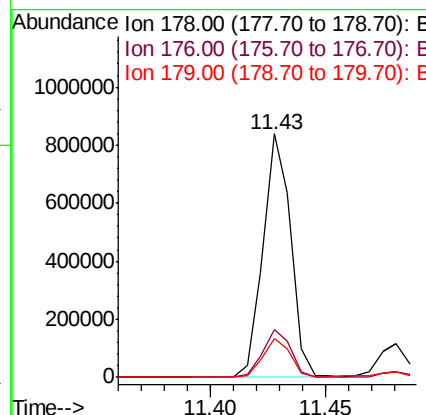
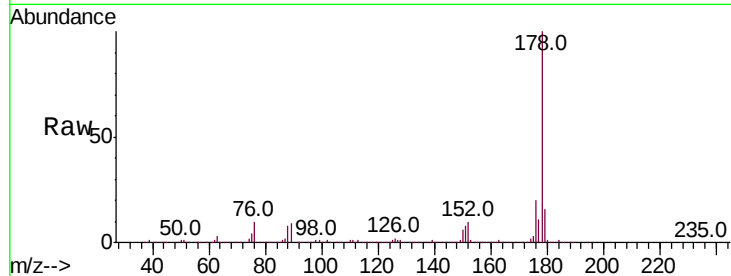
ClientSampled :

TP-2

Tot Ion:178	Resp:	703470
Ion Ratio	Lower	Upper
178	100	
176	19.7	17.2 25.8
179	15.9	13.5 20.3

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#72

Anthracene

Concen: 2.456 ng

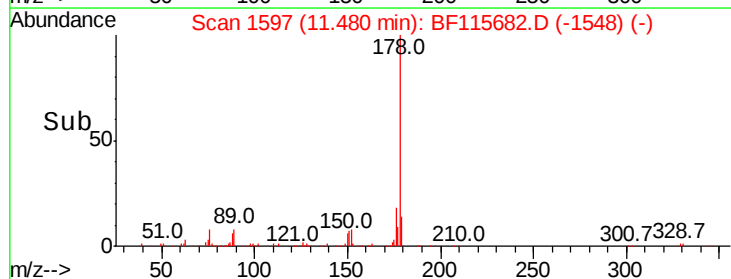
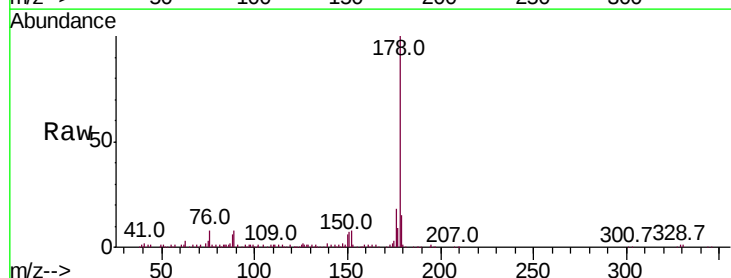
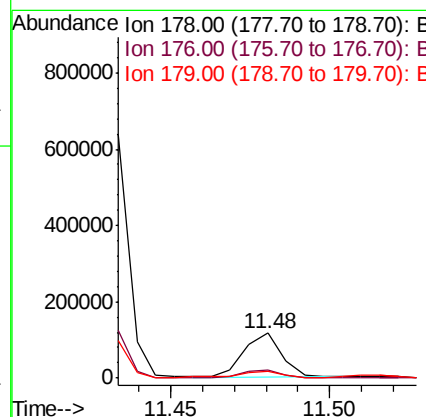
RT: 11.48 min Scan# 1597

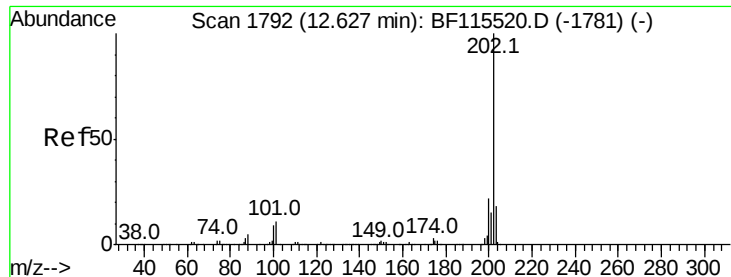
Delta R.T. -0.01 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Tgt Ion:178	Resp:	94629
Ion Ratio	Lower	Upper
178	100	
176	17.8	15.9 23.9
179	14.5	12.7 19.1





#75

Fluoranthene

Concen: 32.382 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Instrument :

BNA_F

ClientSampleId :

TP-2

Tot Ion:202 Resp: 1275933

Ion Ratio Lower Upper

202 100

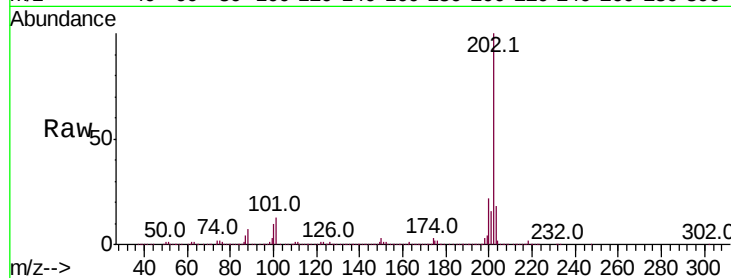
101 13.4 0.0 31.4

203 18.5 0.0 38.1

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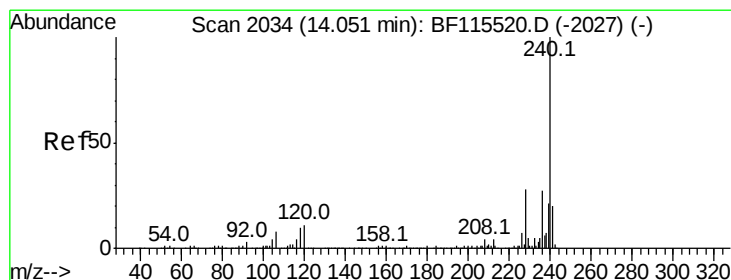
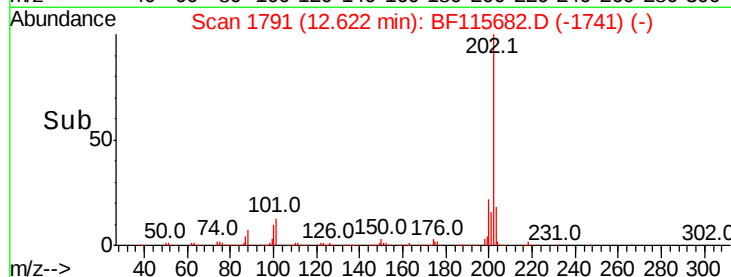
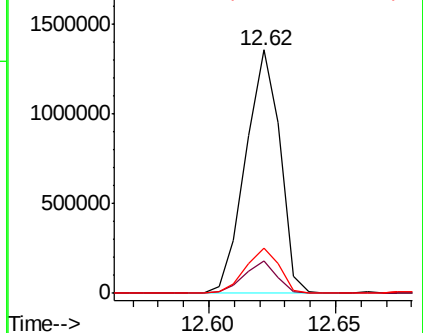
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Tgt Ion:240 Resp: 392977

Ion Ratio Lower Upper

240 100

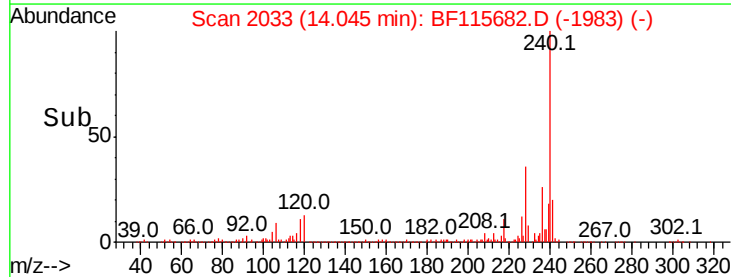
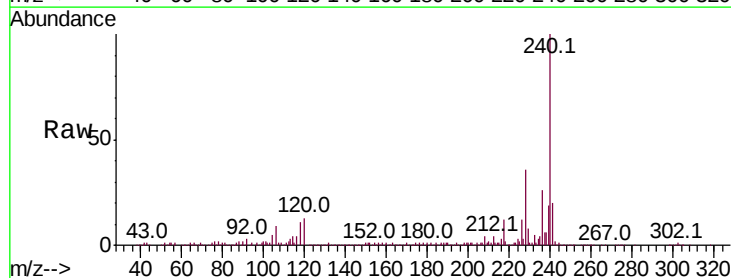
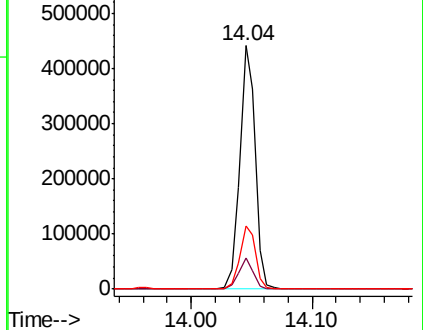
120 12.9 8.6 13.0

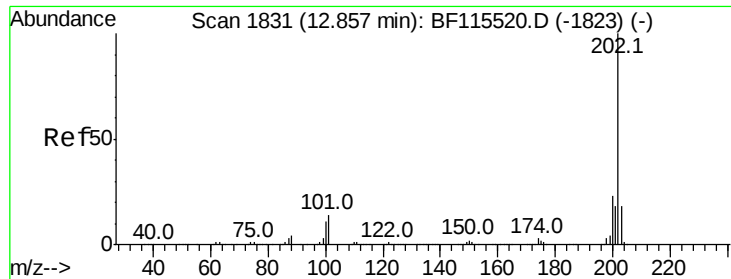
236 26.0 21.3 31.9

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





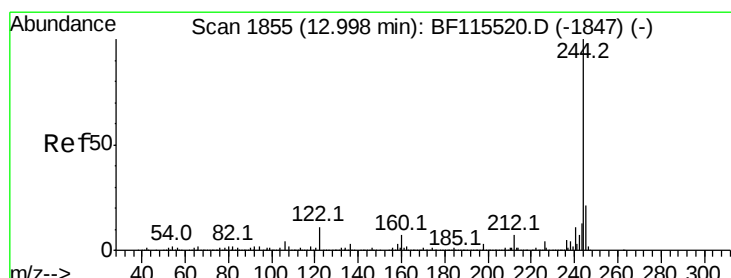
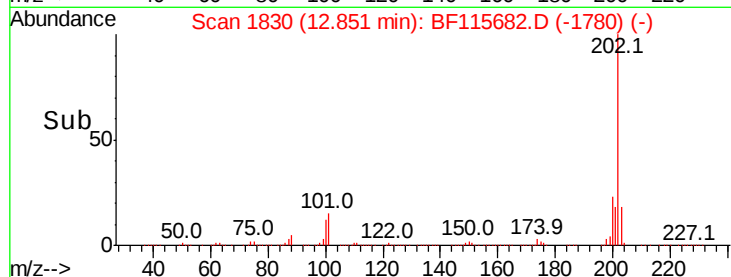
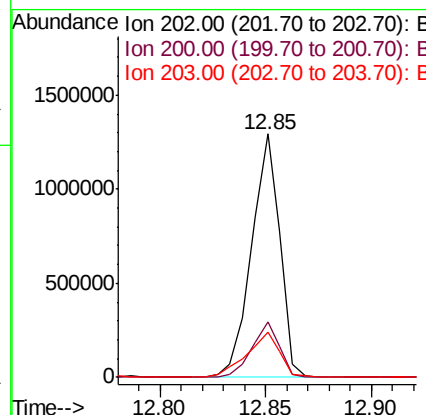
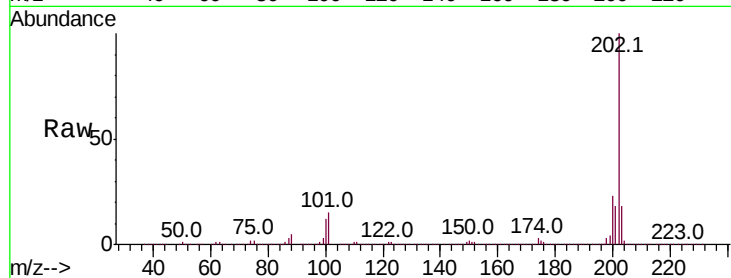
#78
Pvrene
Concen: 36.157 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.6	18.7	28.1
203	18.3	15.2	22.8

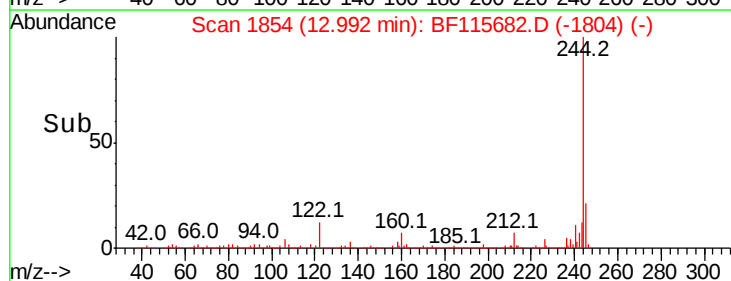
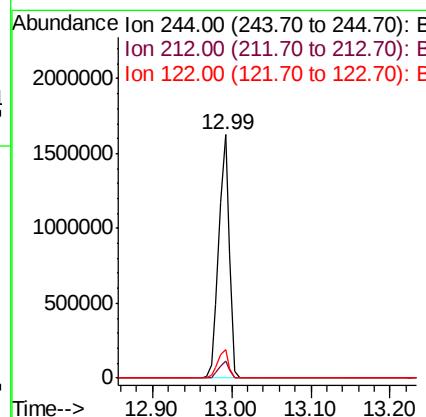
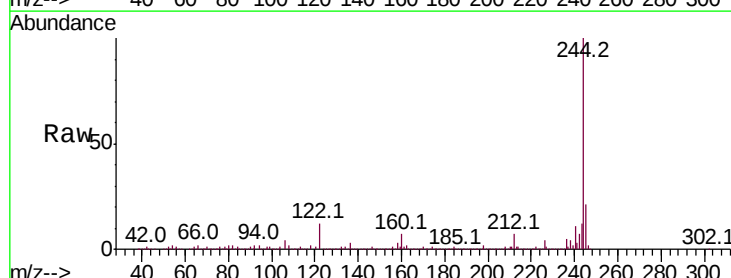
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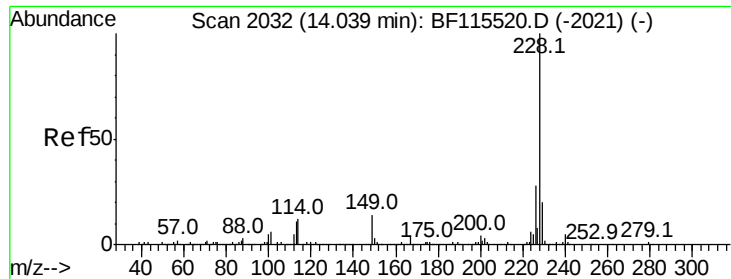
mohammad
7/22/2019 10:01:42 AM



#79
Terphenyl-d14
Concen: 70.958 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	11.6	8.6	12.8





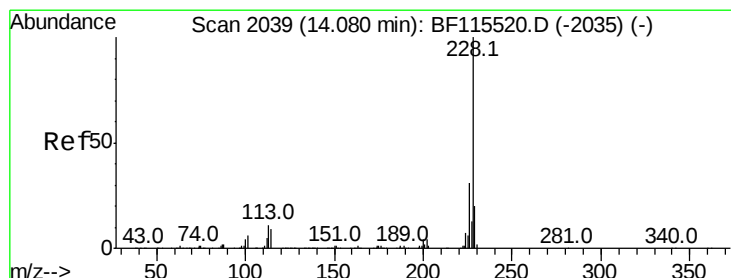
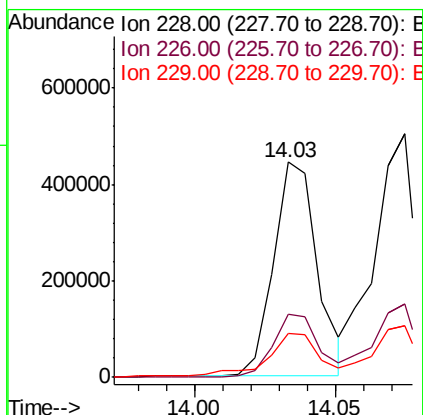
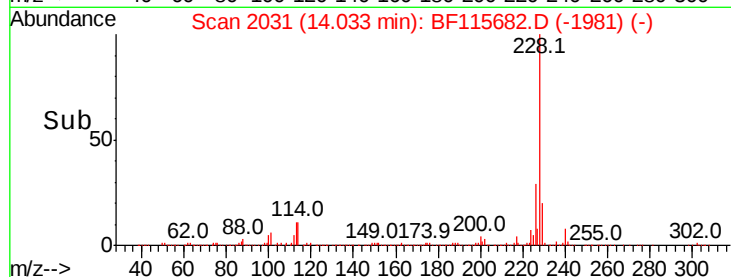
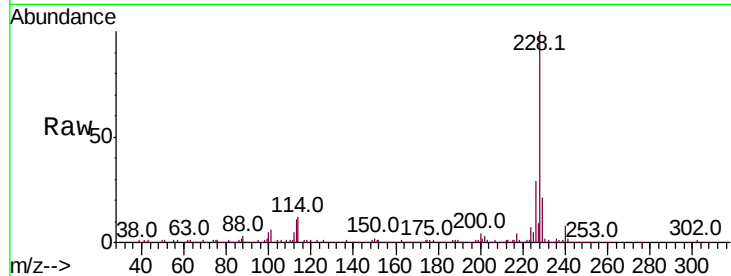
#81
Benzo(a)anthracene
Concen: 18.480 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.4	35.0
229	20.6	17.2	25.8

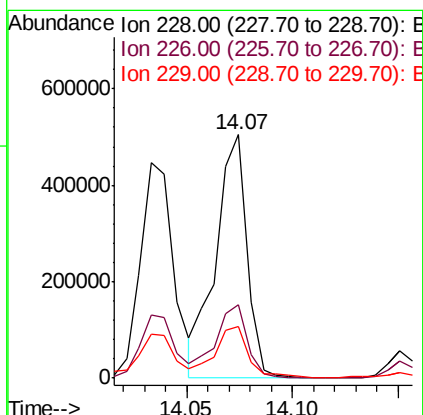
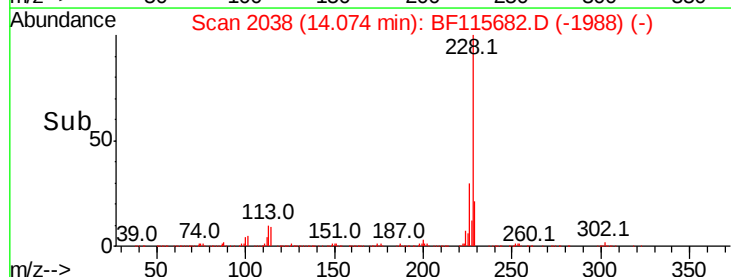
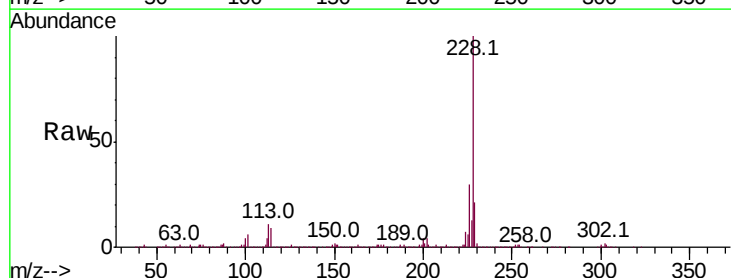
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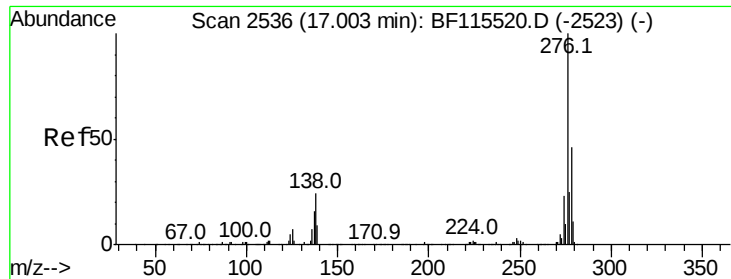
mohammad
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#83
Chrysene
Concen: 19.705 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.7	38.5
229	21.4	16.6	25.0





#86

Indeno(1,2,3-cd)pyrene

Concen: 10.506 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Instrument :

BNA_F

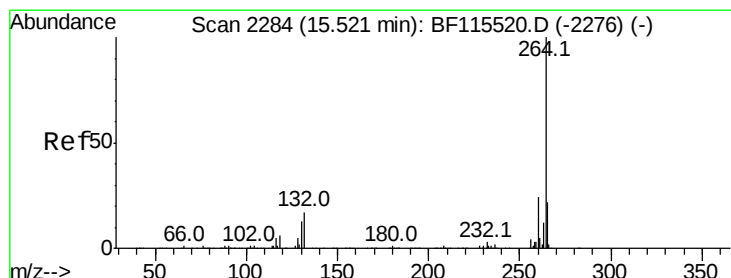
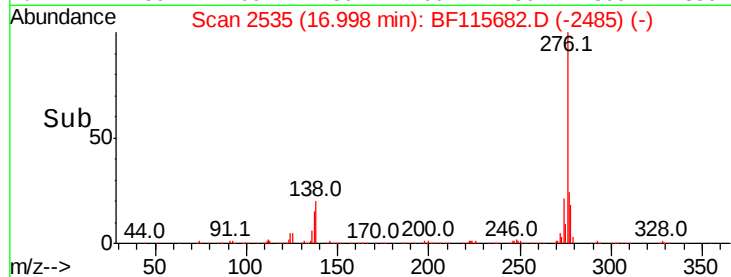
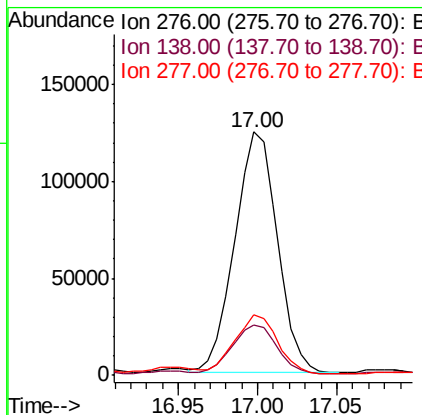
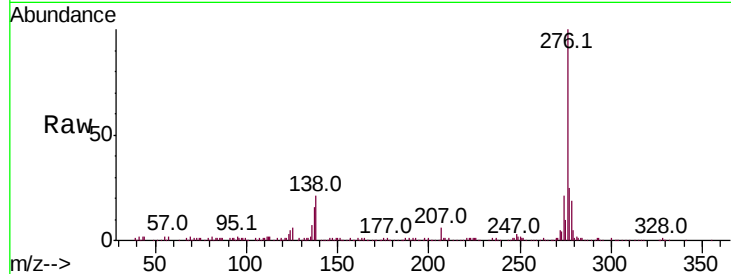
ClientSampleId :

TP-2

Tot Ion:	276	Resp:	231976
Ion Ratio	Lower	Upper	
276	100		
138	21.5	20.2	30.2
277	24.9	20.4	30.6

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#87

Perylene-d12

Concen: 20.000 ng

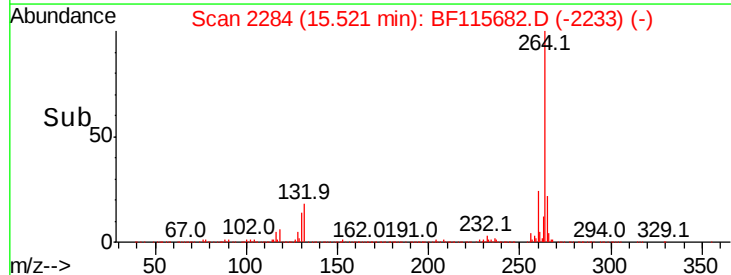
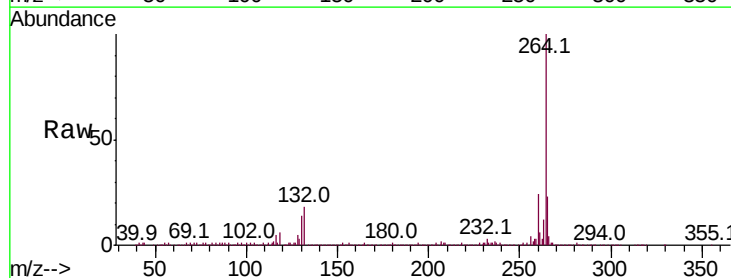
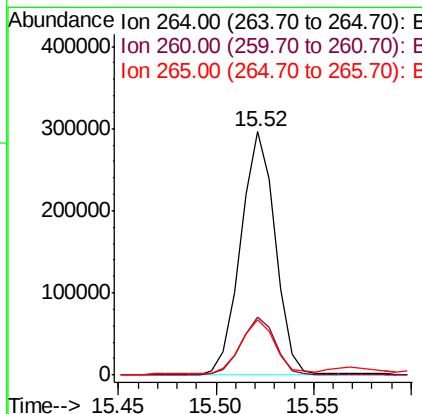
RT: 15.52 min Scan# 2284

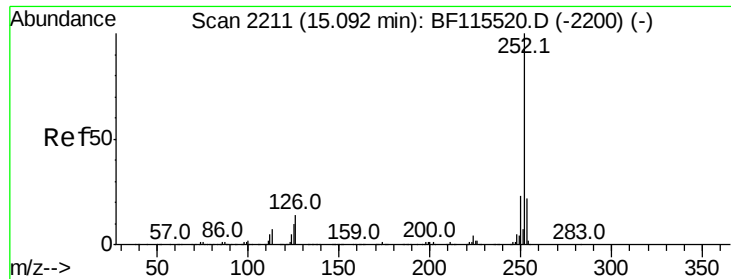
Delta R.T. 0.00 min

Lab File: BF115682.D

Acq: 19 Jul 2019 20:01

Tgt Ion:	264	Resp:	361366
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.8	29.8
265	22.6	17.7	26.5





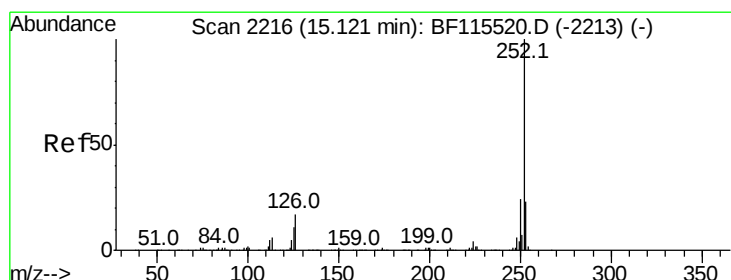
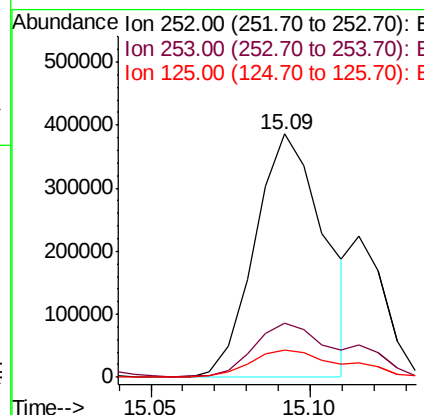
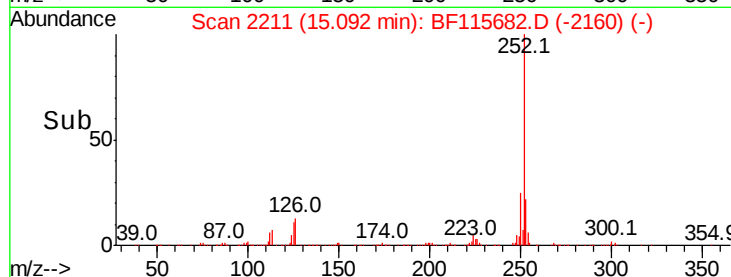
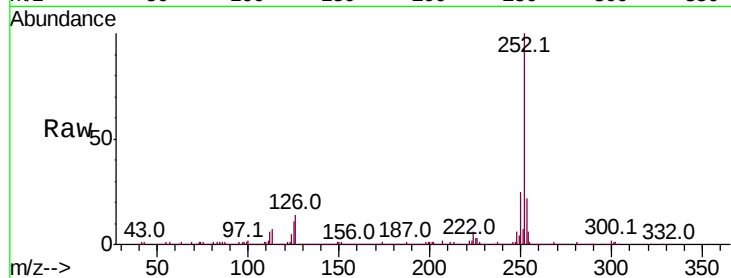
#88
Benzo(b)fluoranthene
Concen: 25.089 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	11.1	9.0	13.4

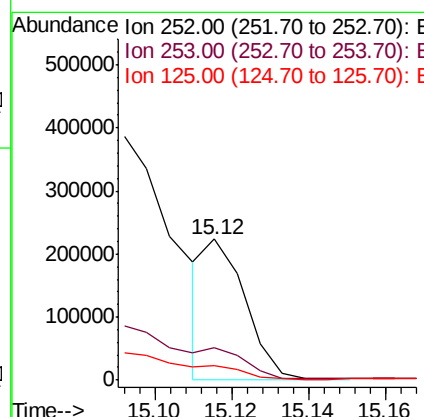
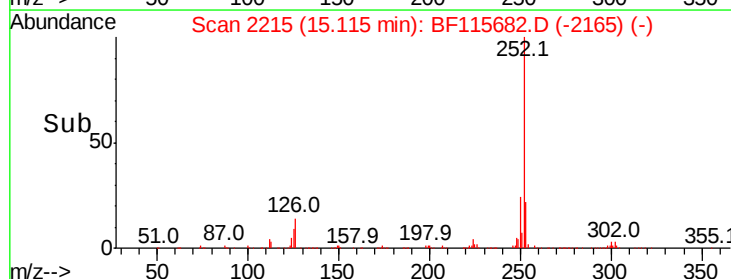
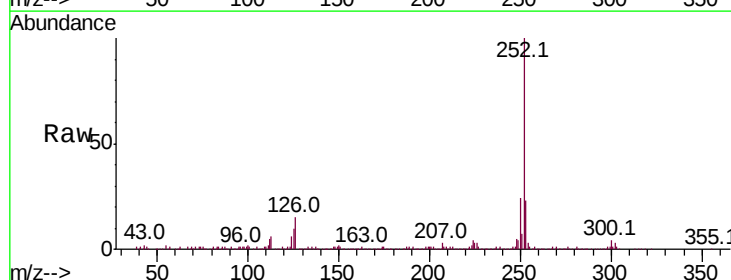
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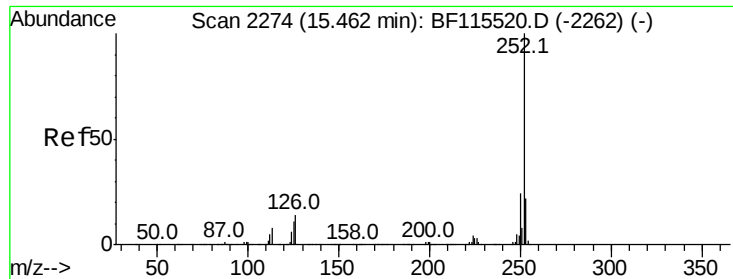
mohammad
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#89
Benzo(k)fluoranthene
Concen: 8.010 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	28.0
125	10.3	9.0	13.6





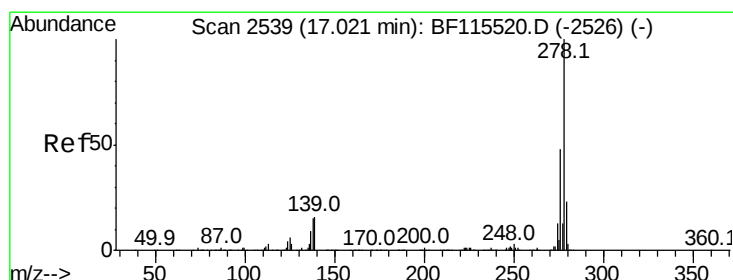
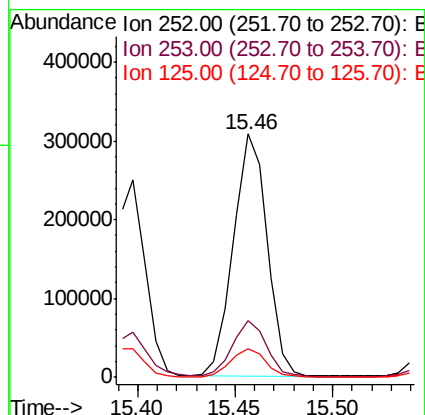
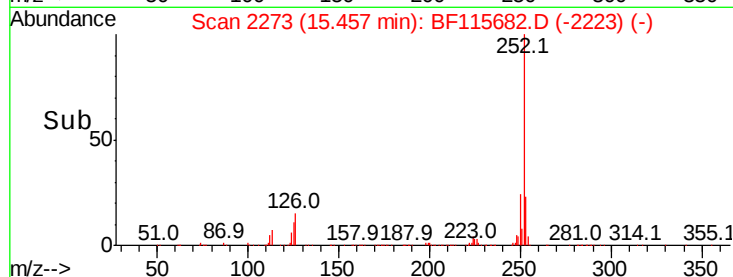
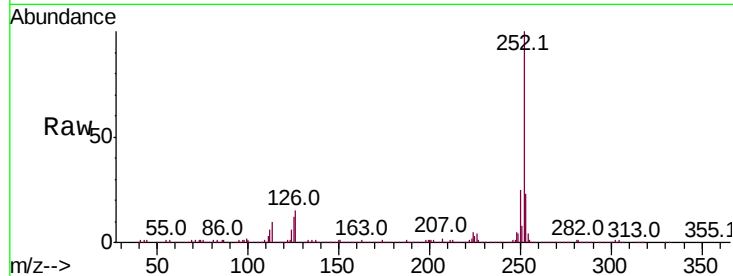
#90
Benzo(a)pyrene
Concen: 18.535 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.8	9.1	13.7

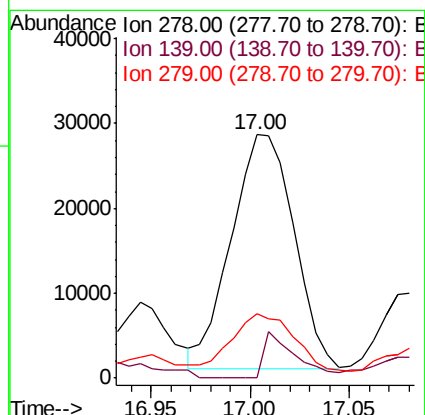
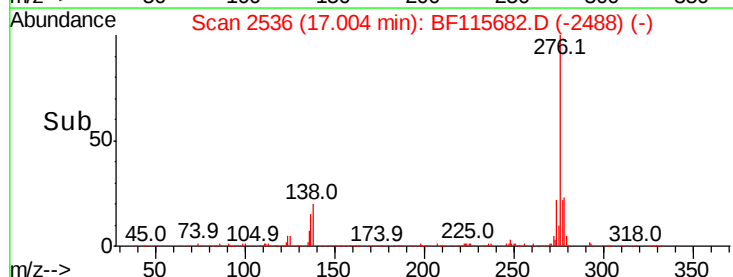
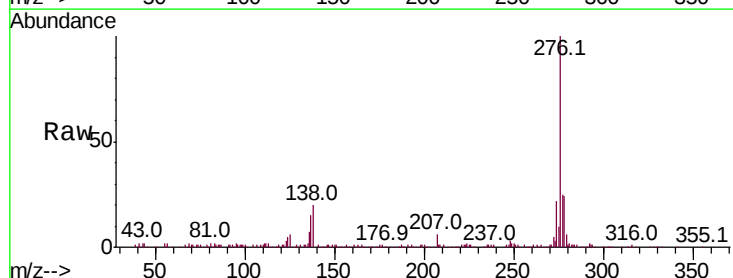
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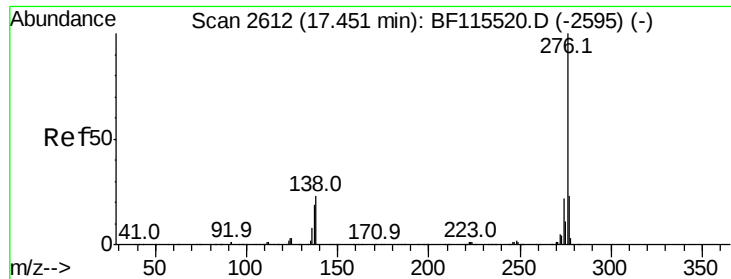
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 3.433 ng m
RT: 17.00 min Scan# 2536
Delta R.T. -0.02 min
Lab File: BF115682.D
Acq: 19 Jul 2019 20:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	26.3	19.6	29.4





#92
 Benzo(a,h,i)perylene
 Concen: 13.405 ng
 RT: 17.45 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: BF115682.D
 Acq: 19 Jul 2019 20:01

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion:	276	Resp:	234735
Ion Ratio	Lower	Upper	
276	100		
277	23.1	19.0	28.4
138	20.7	17.2	25.8

Manual Integrations
 APPROVED

mohammad
 7/22/2019 10:01:42 AM

