

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117839.D
 Acq On : 18 Nov 2019 17:02
 Operator : JU
 Sample : K5833-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6-(4-6)

Manual Integrations
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Quant Time: Nov 19 00:02:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	227271	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	886627	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	461046	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	821908	20.00	ng	0.00
76) Chrysene-d12	14.11	240	484041	20.00	ng	0.00
87) Perylene-d12	15.62	264	597799	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1197061	93.23	ng	0.00
7) Phenol-d6	6.54	99	1527626	98.64	ng	0.00
23) Nitrobenzene-d5	7.48	82	949513	63.66	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	461455	94.54	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	1725902	67.16	ng	0.00
79) Terphenyl-d14	13.05	244	1703412	64.32	ng	0.00
Target Compounds						
10) Phenol	6.55	94	73465	4.565	ng	94
50) Dimethylphthalate	9.67	163	225931	6.988	ng	98
71) Phenanthrene	11.49	178	671939	16.261	ng	96
72) Anthracene	11.53	178	125236	3.057	ng	96
75) Fluoranthene	12.67	202	795563	16.351	ng	99
78) Pyrene	12.90	202	691046	17.666	ng	99
81) Benzo(a)anthracene	14.10	228	281787	8.810	ng	98
83) Chrysene	14.13	228	278688	8.991	ng	98
86) Indeno(1,2,3-cd)pyrene	17.14	276	190366	7.216	ng	94
88) Benzo(b)fluoranthene	15.17	252	362736m	9.339	ng	
89) Benzo(k)fluoranthene	15.19	252	114539m	3.130	ng	
90) Benzo(a)pyrene	15.55	252	262245	7.679	ng	99
92) Benzo(a,h,i)perylene	17.60	276	185483	6.335	ng	99

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

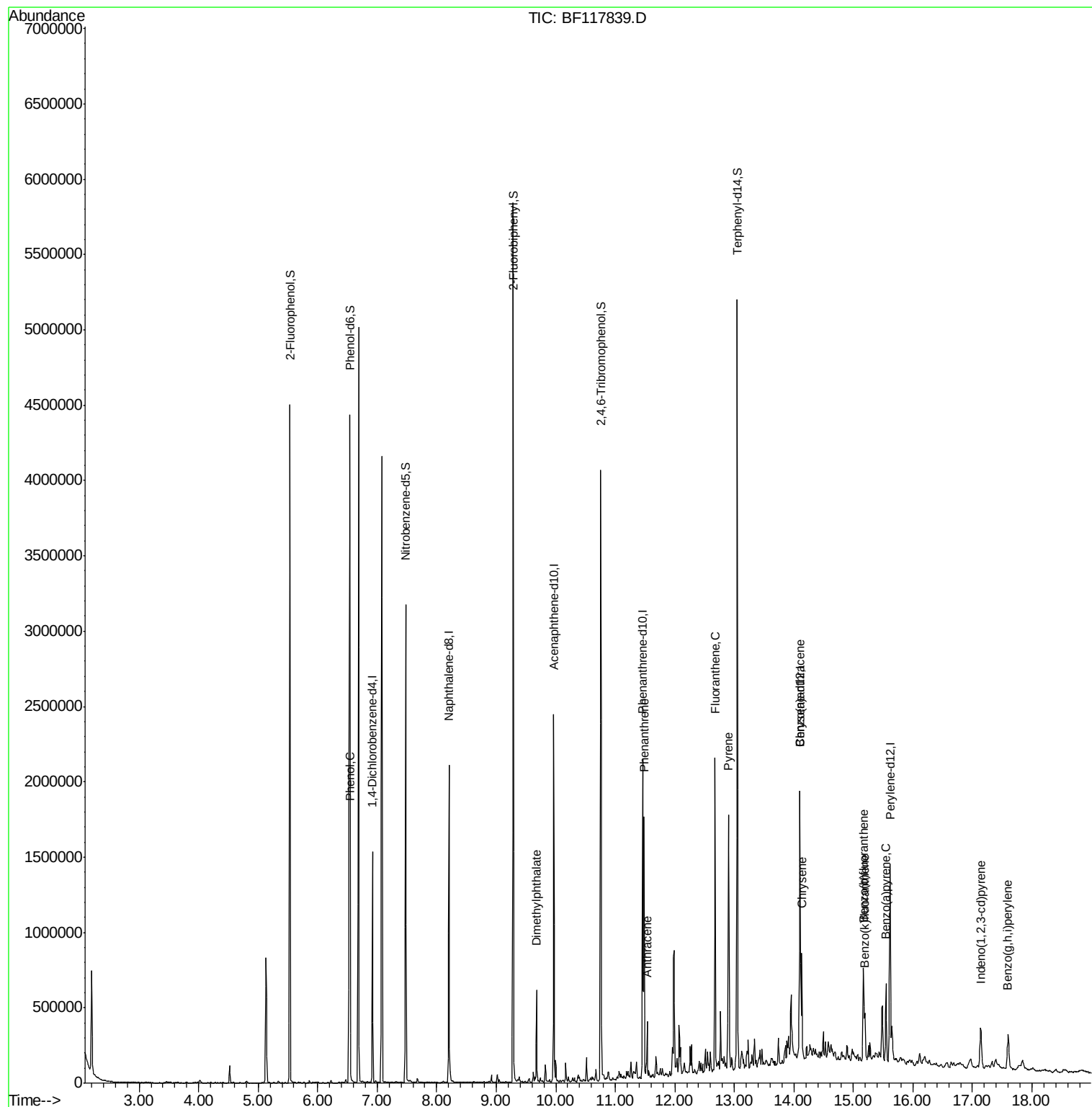
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117839.D
Acq On : 18 Nov 2019 17:02
Operator : JU
Sample : K5833-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

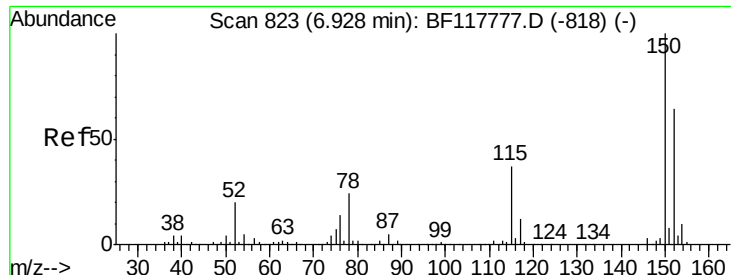
Instrument :
BNA_F
ClientSampleId :
6-(4-6)

Quant Time: Nov 19 00:02:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
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#1

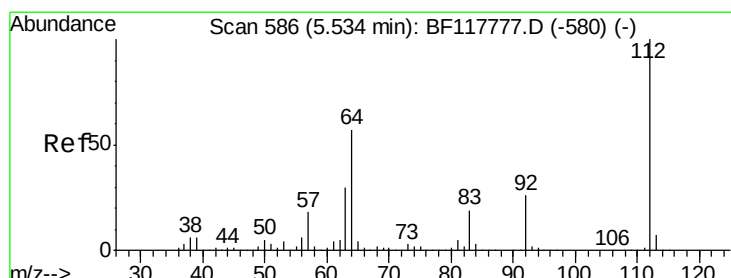
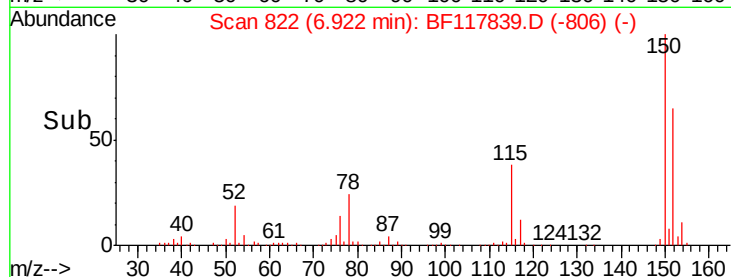
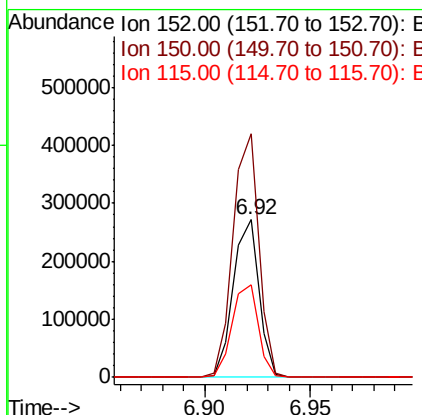
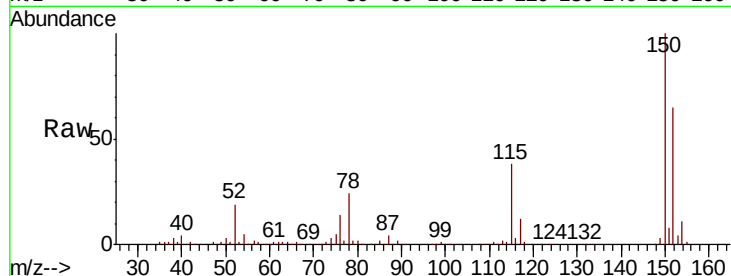
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Instrument :
BNA_F
ClientSampleId :
6-(4-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.3	187.9
115	59.0	47.0	70.4

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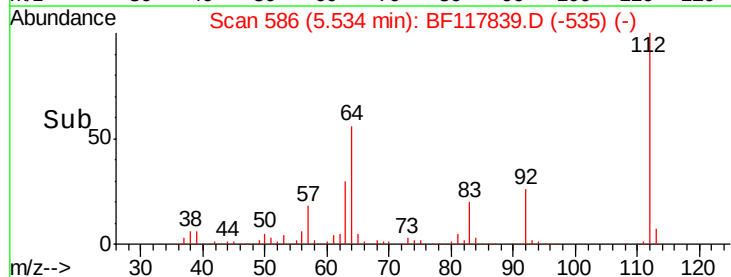
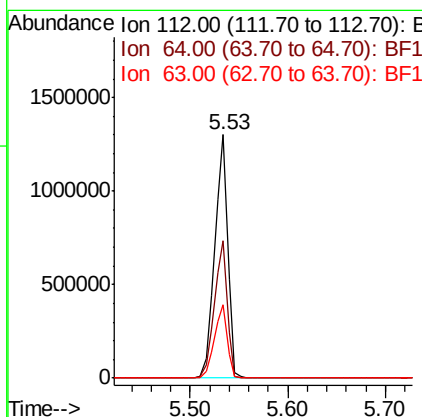
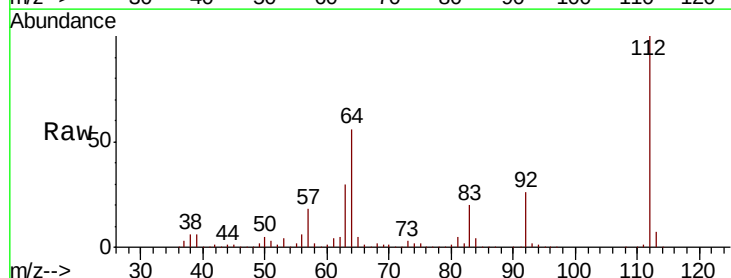
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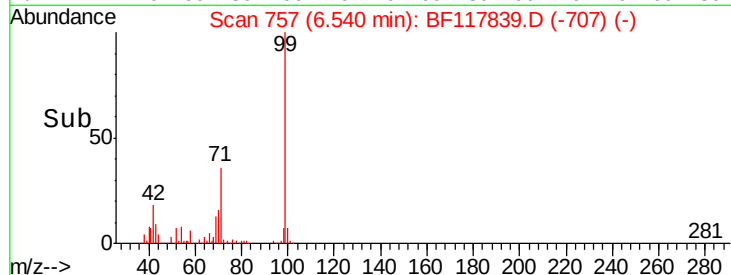
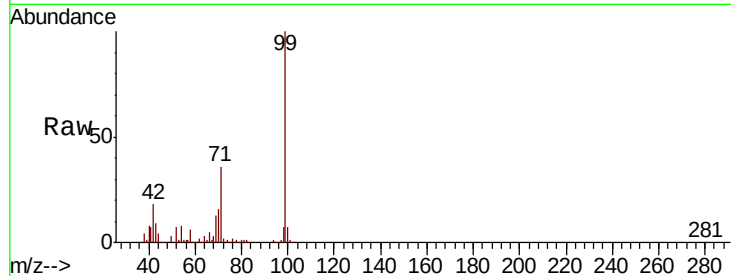
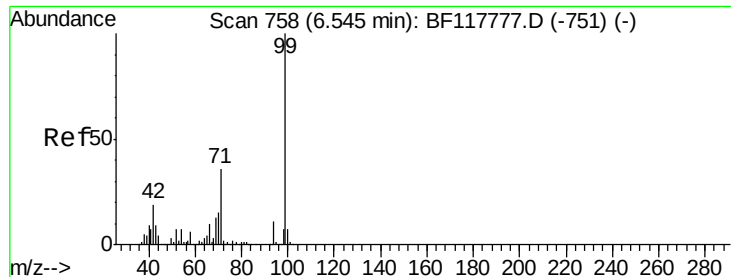


#5

2-Fluorophenol
Concen: 93.233 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.00 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	45.6	68.4
63	30.0	24.1	36.1





#7

Phenol-d6

Concen: 98.643 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

Tot Ion:	99	Resp:	1527626
Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.9	22.3
71	36.4	28.6	43.0

Instrument :

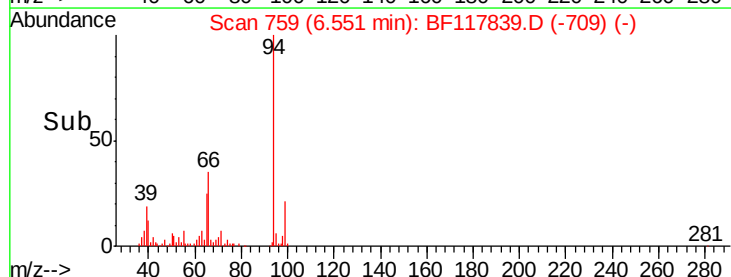
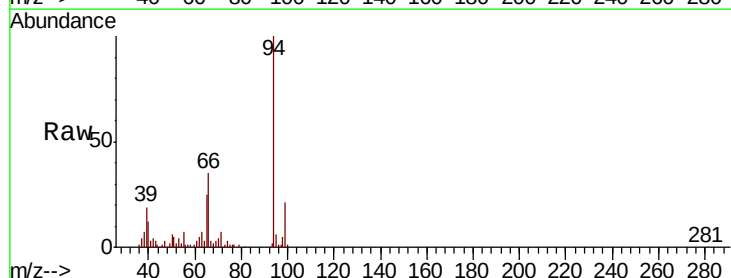
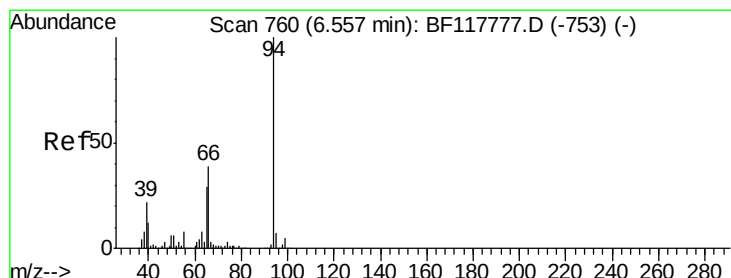
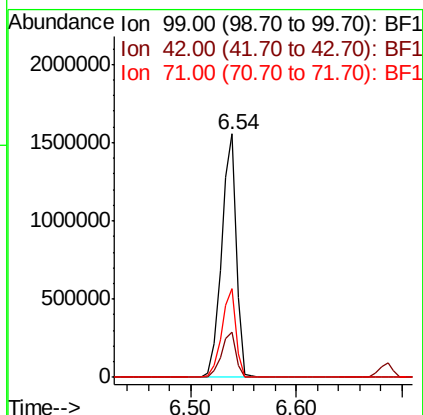
BNA_F

ClientSampleId :

6-(4-6)

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#10

Phenol

Concen: 4.565 ng

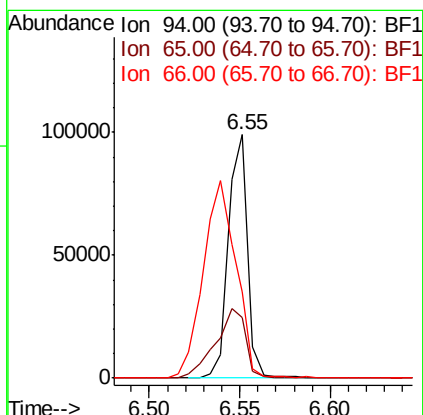
RT: 6.55 min Scan# 759

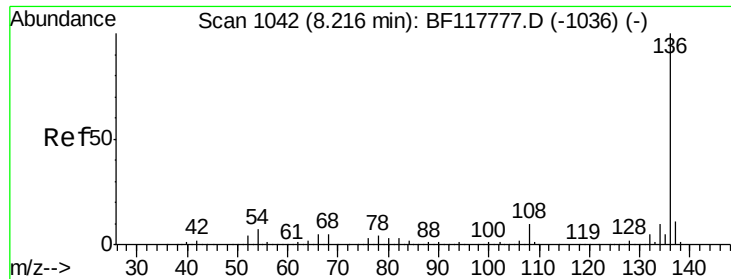
Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

Tgt Ion:	94	Resp:	73465
Ion	Ratio	Lower	Upper
94	100		
65	25.1	8.9	48.9
66	35.2	18.7	58.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

Instrument :

BNA_F

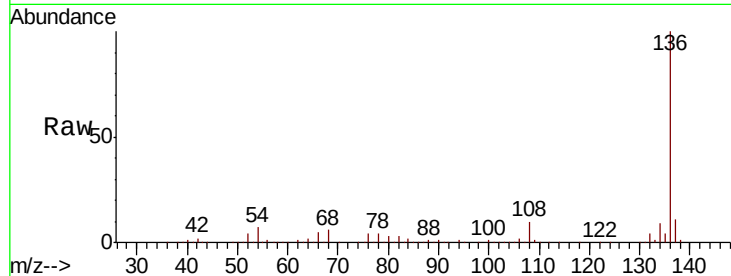
ClientSampleId :

6-(4-6)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		886627		
137	11.3		9.0	13.4	
54	7.4		5.4	8.2	
68	5.5		4.3	6.5	

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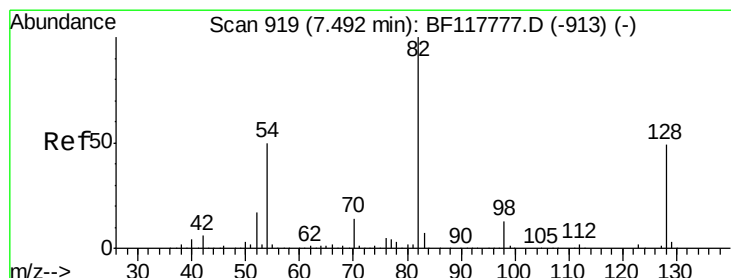
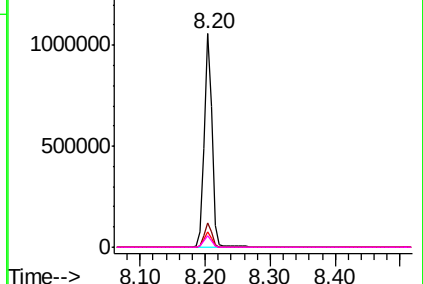
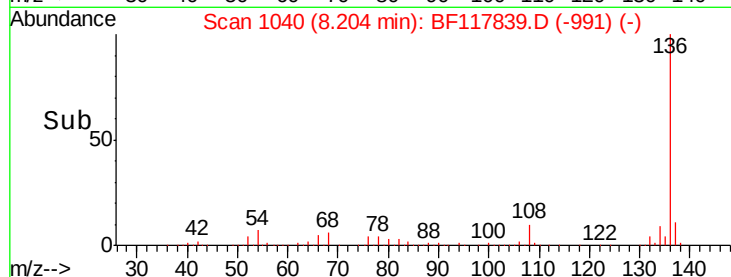


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.662 ng

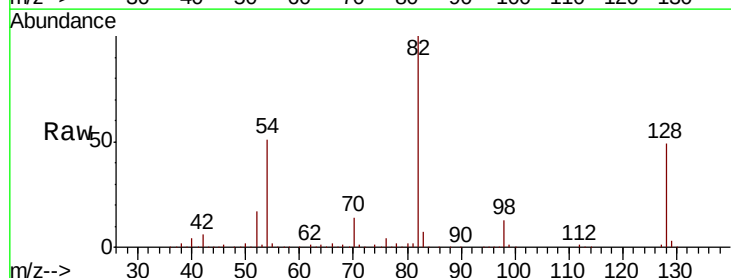
RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

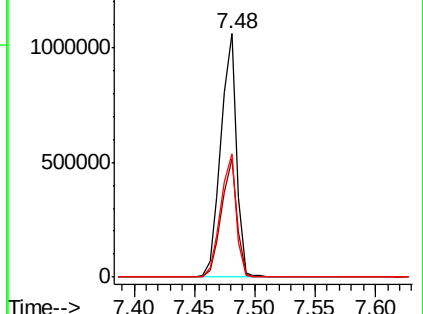
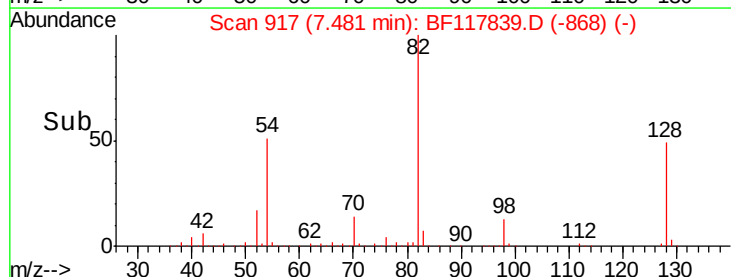
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		949513		
128	48.6		38.9	58.3	
54	50.5		39.8	59.6	

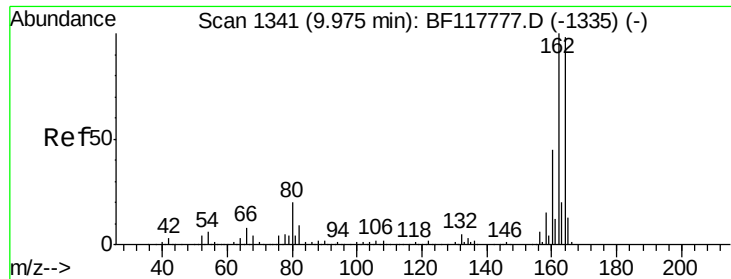


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





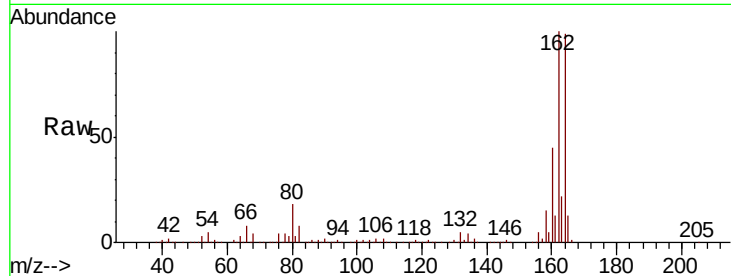
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: BF117839.D
 Acq: 18 Nov 2019 17:02

Instrument :
 BNA_F
 ClientSampleId :
 6-(4-6)

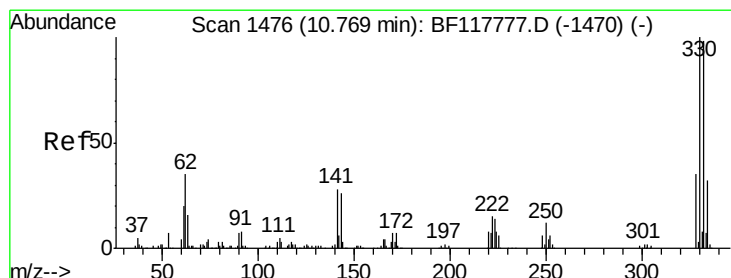
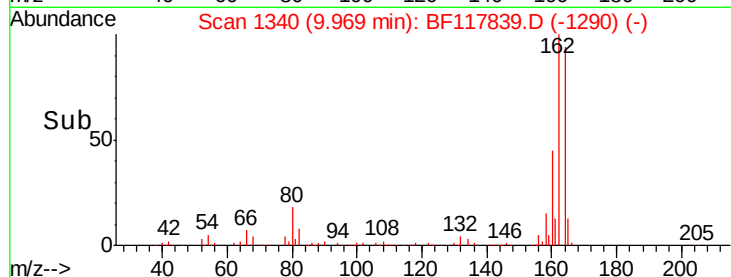
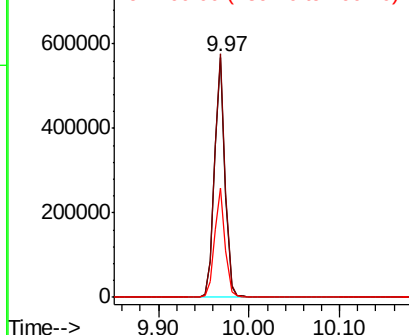
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.4	81.3	121.9	
160	45.3	36.6	55.0	

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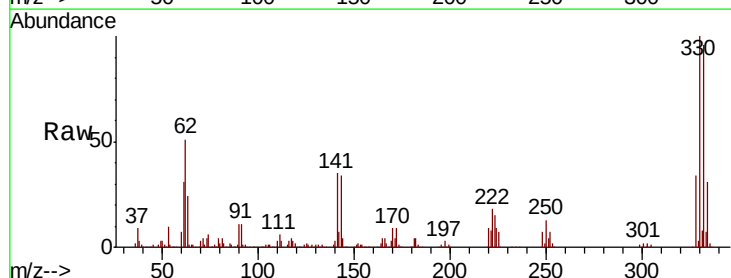


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

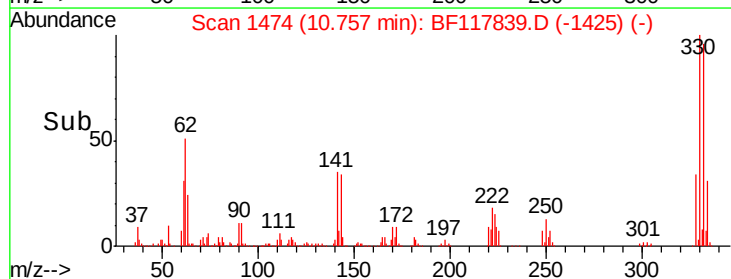
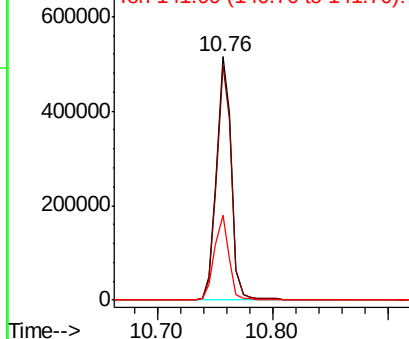


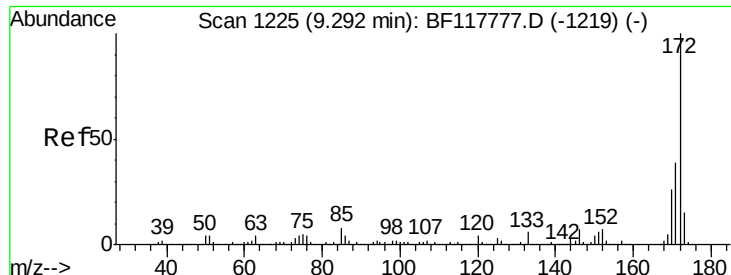
#42
 2,4,6-Tribromophenol
 Concen: 94.540 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: BF117839.D
 Acq: 18 Nov 2019 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	76.7	115.1	
141	34.4	27.7	41.5	



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





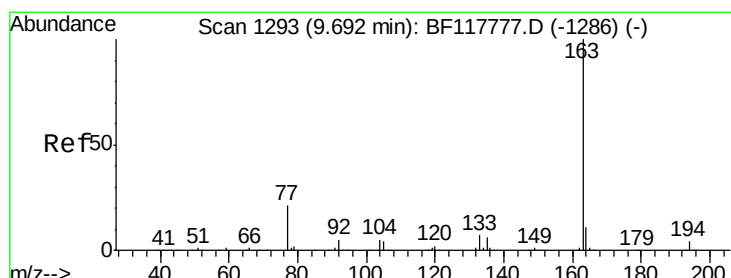
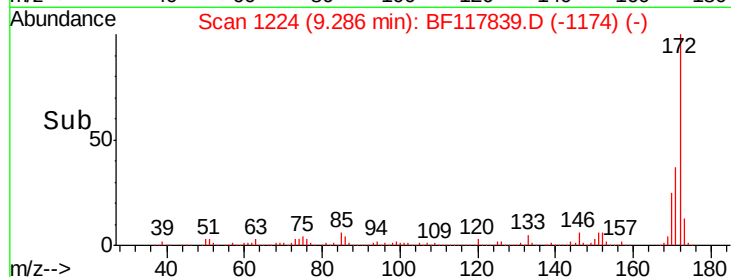
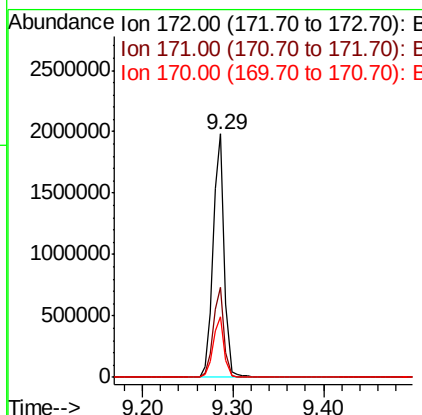
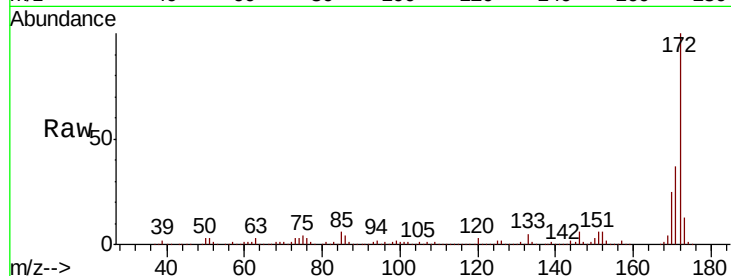
#45
2-Fluorobiphenyl
Concen: 67.159 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Instrument :
BNA_F
ClientSampleId :
6-(4-6)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.9	46.3
170	24.8	21.0	31.4

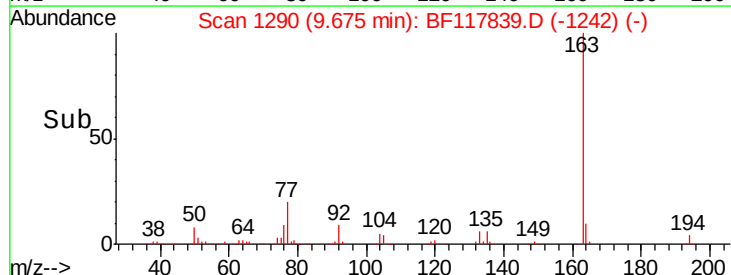
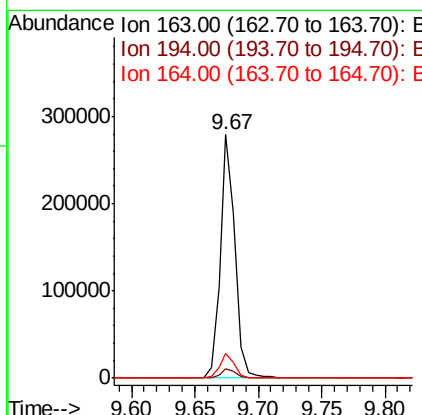
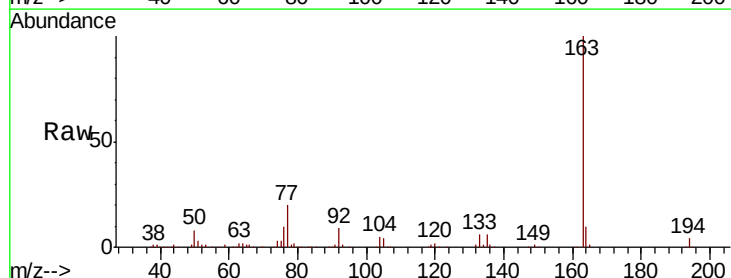
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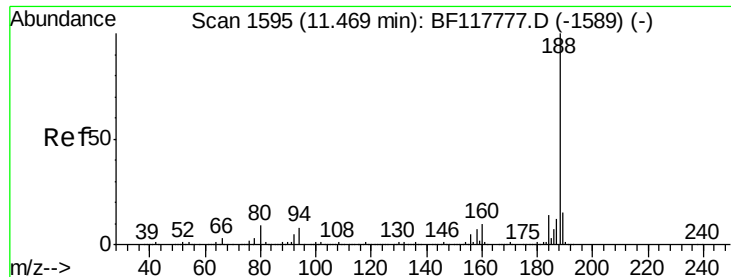
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#50
Dimethylphthalate
Concen: 6.988 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.2	8.7	13.1





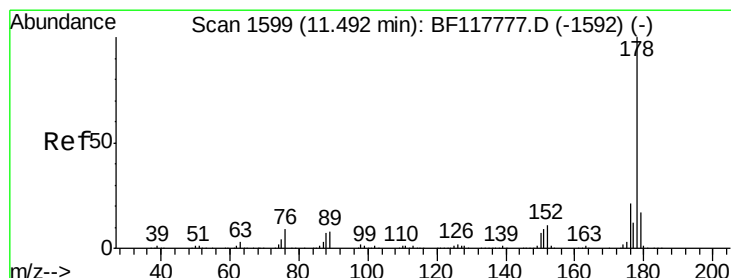
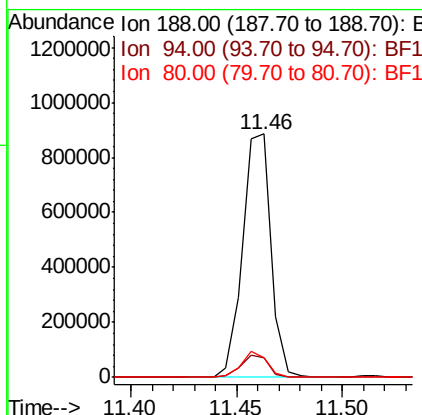
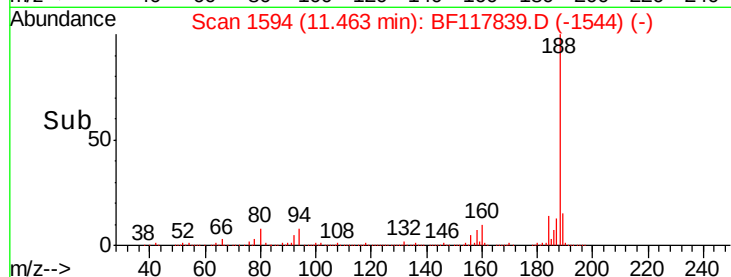
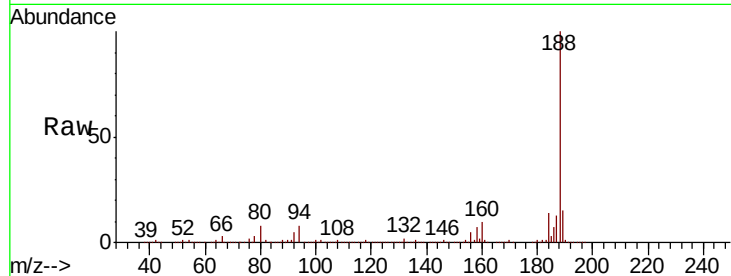
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF117839.D
 Acq: 18 Nov 2019 17:02

Instrument :
 BNA_F
 ClientSampled :
 6-(4-6)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	821908		
94	7.8		6.6	10.0
80	8.2		7.2	10.8

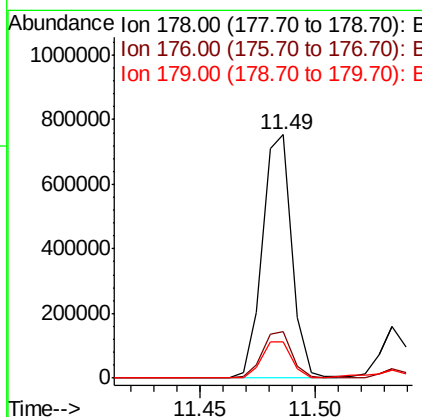
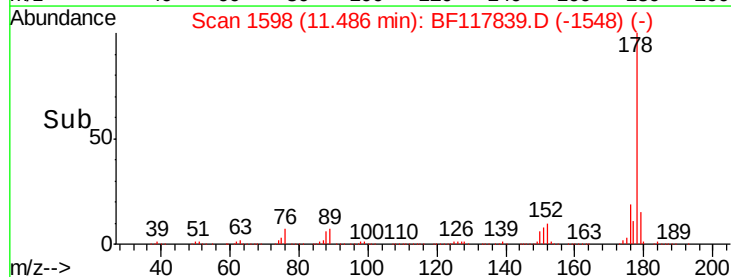
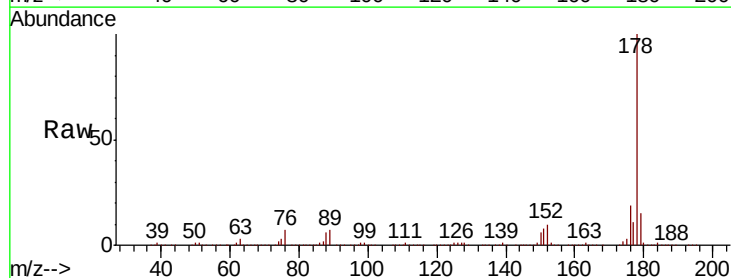
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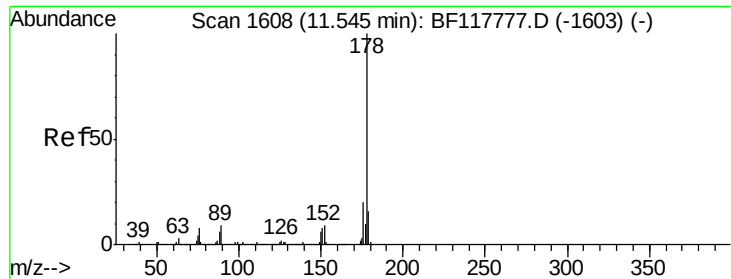
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#71
 Phenanthrene
 Concen: 16.261 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF117839.D
 Acq: 18 Nov 2019 17:02

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	671939		
176	19.0		16.6	25.0
179	15.1		13.2	19.8





#72

Anthracene

Concen: 3.057 ng

RT: 11.53 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

Instrument :

BNA_F

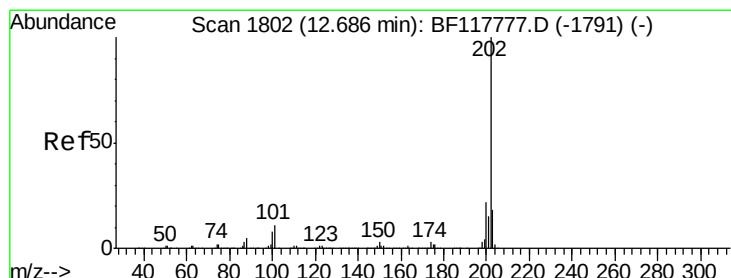
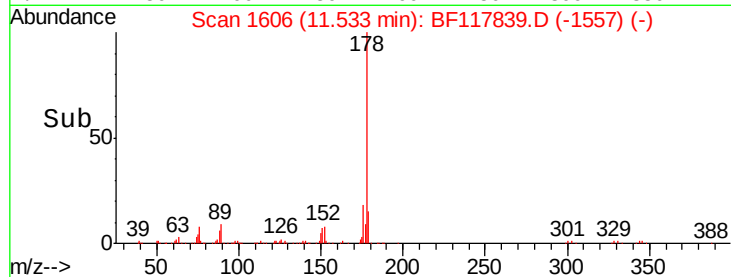
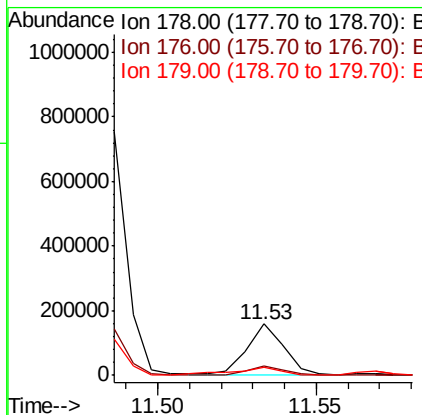
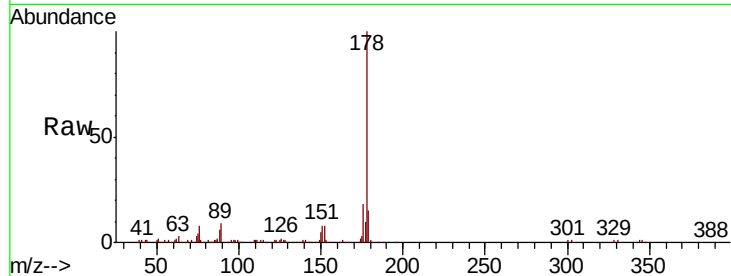
ClientSampled :

6-(4-6)

Tot Ion:	178	Resp:	125236
Ion Ratio	Lower	Upper	
178	100		
176	17.9	16.1	24.1
179	15.2	13.0	19.4

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#75

Fluoranthene

Concen: 16.351 ng

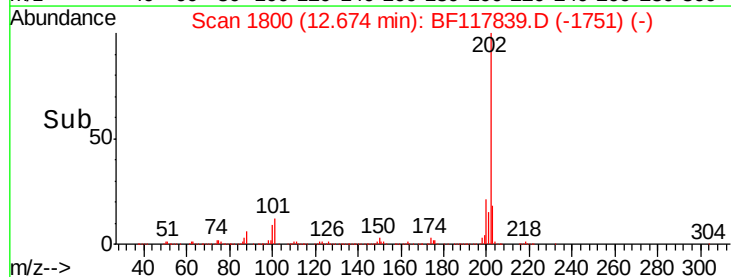
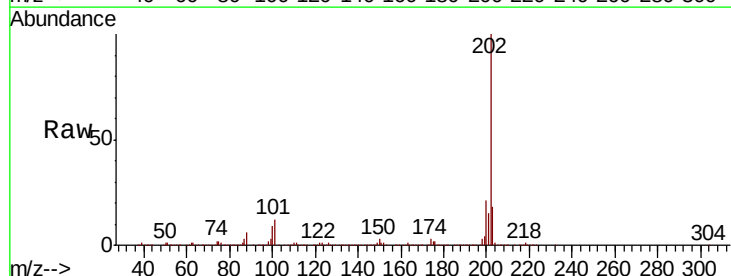
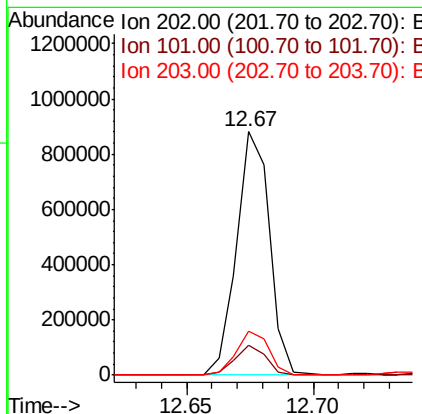
RT: 12.67 min Scan# 1800

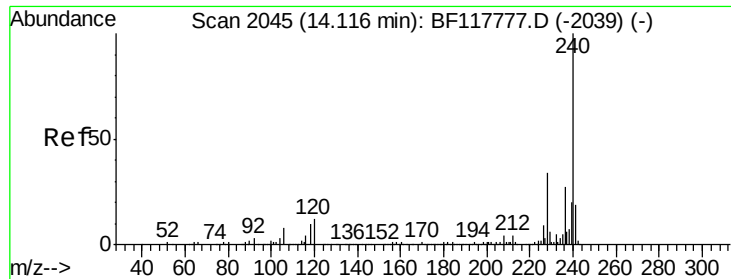
Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

Tgt Ion:	202	Resp:	795563
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	31.1
203	18.2	0.0	38.2





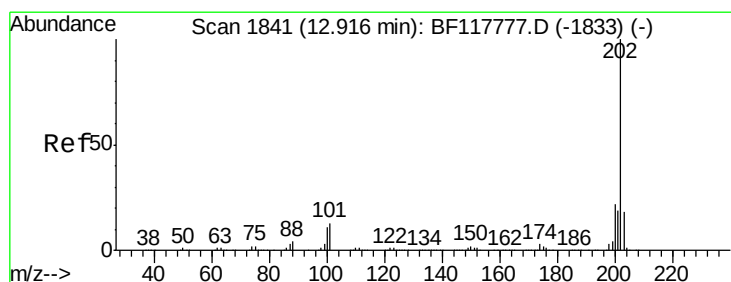
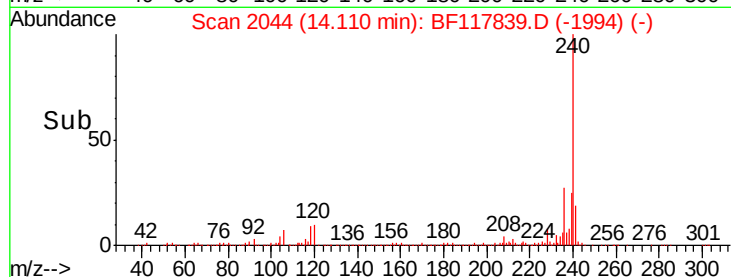
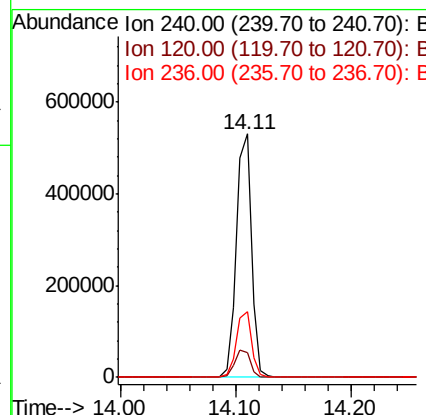
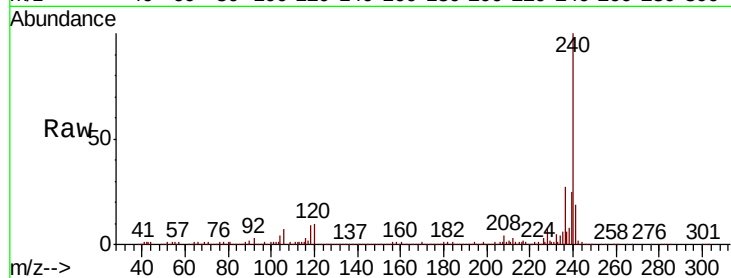
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Instrument :
BNA_F
ClientSampleId :
6-(4-6)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.5	14.3
236	26.9	21.3	31.9

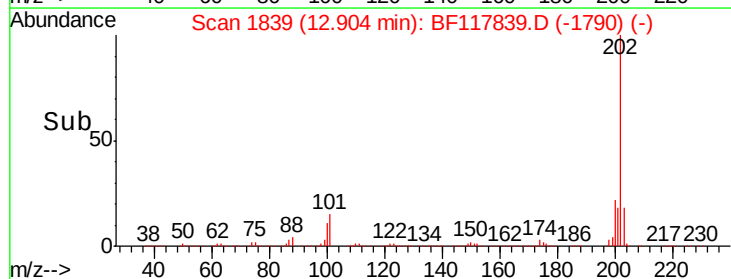
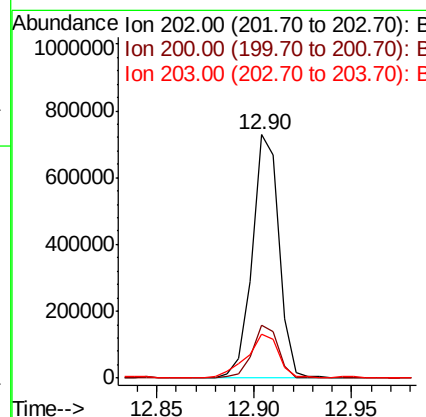
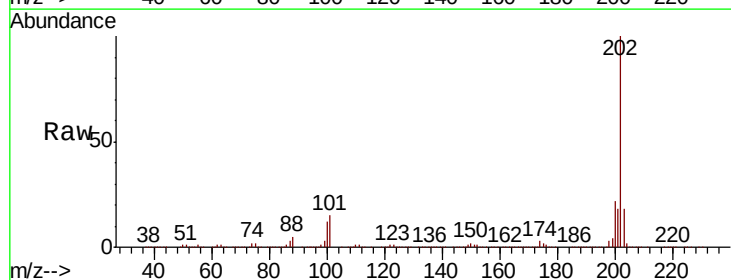
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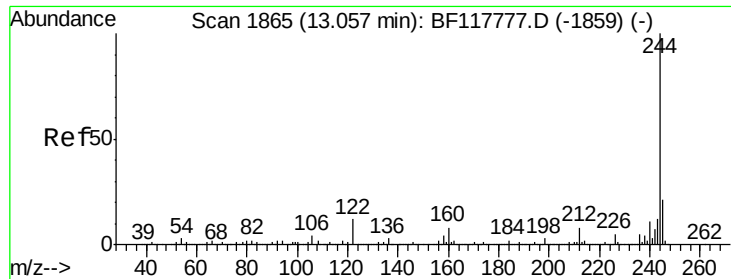
mohammad
11/19/2019 2:35:48 PM



#78
Pyrene
Concen: 17.666 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.8	26.8
203	18.3	14.6	22.0





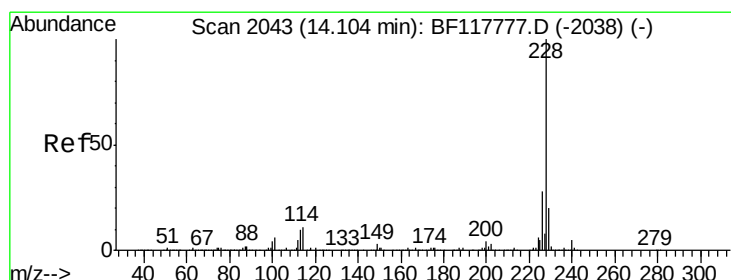
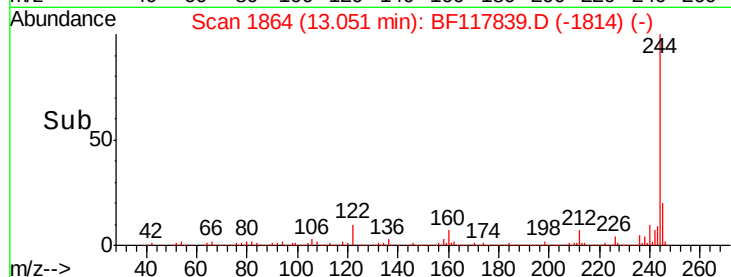
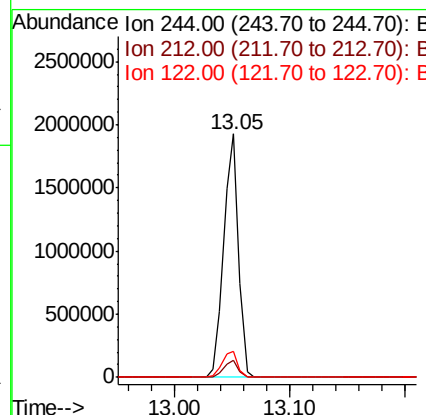
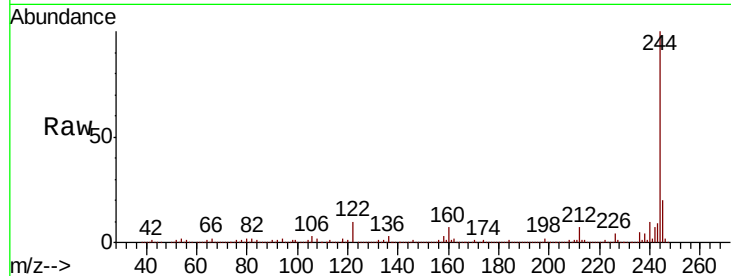
#79
 Terphenyl-d14
 Concen: 64.316 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF117839.D
 Acq: 18 Nov 2019 17:02

Instrument :
 BNA_F
 ClientSampled :
 6-(4-6)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.3	9.5
122	10.5	9.4	14.2

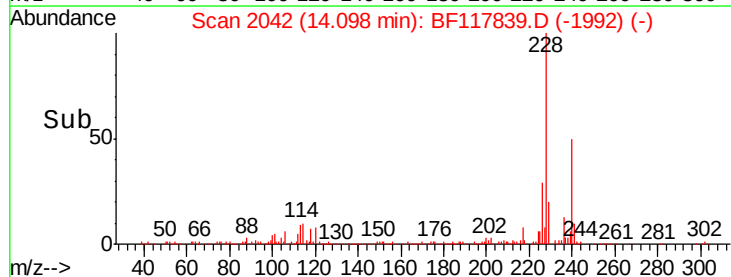
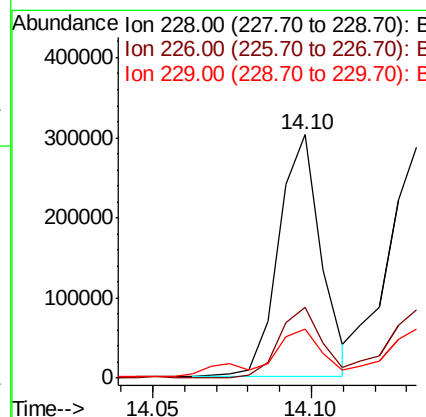
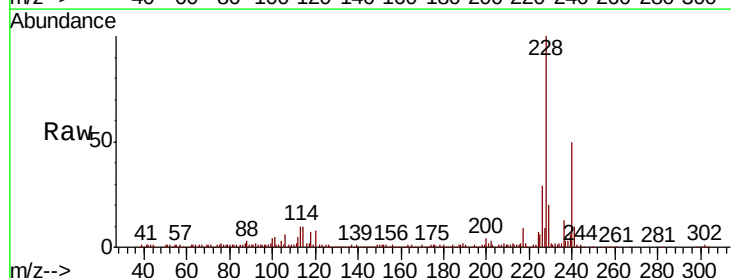
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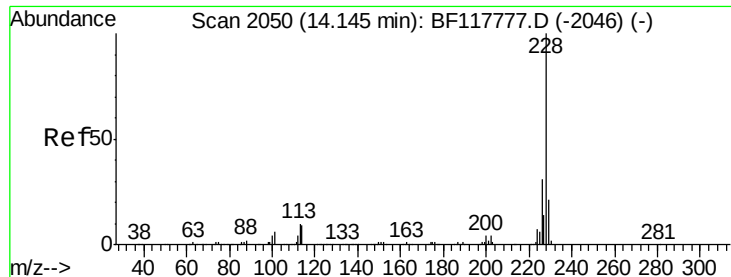
mohammad
 11/19/2019 2:35:48 PM



#81
 Benzo(a)anthracene
 Concen: 8.810 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.01 min
 Lab File: BF117839.D
 Acq: 18 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.2	33.2
229	20.4	15.9	23.9





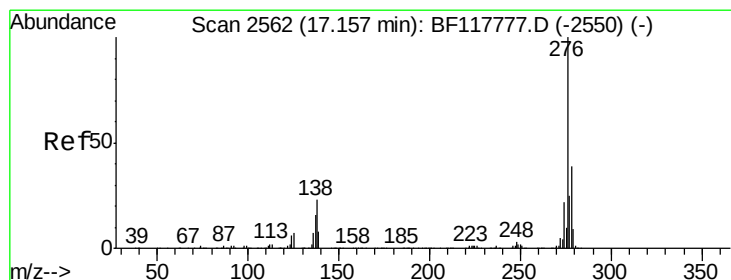
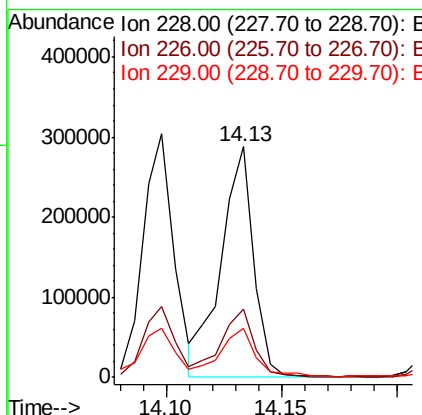
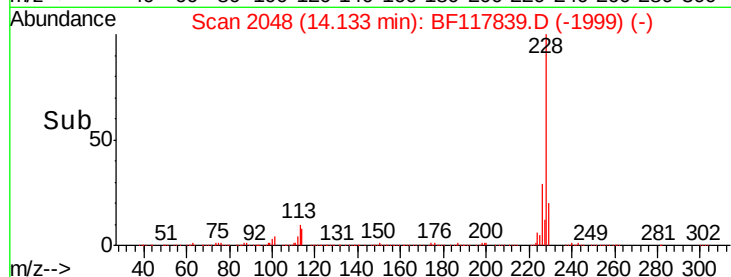
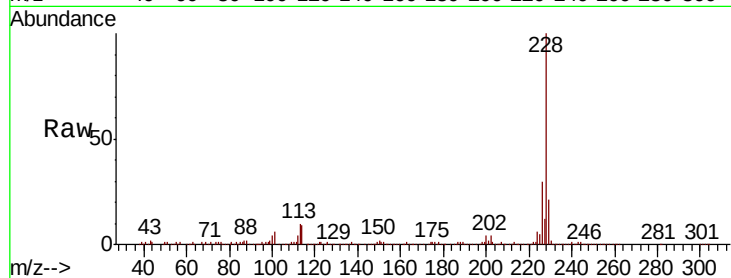
#83
Chrysene
Concen: 8.991 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Instrument :
BNA_F
ClientSampleId :
6-(4-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.4
229	21.3	16.6	25.0

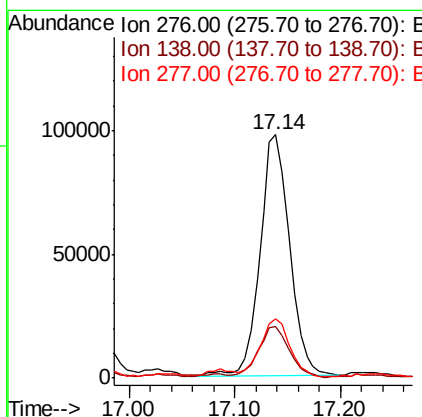
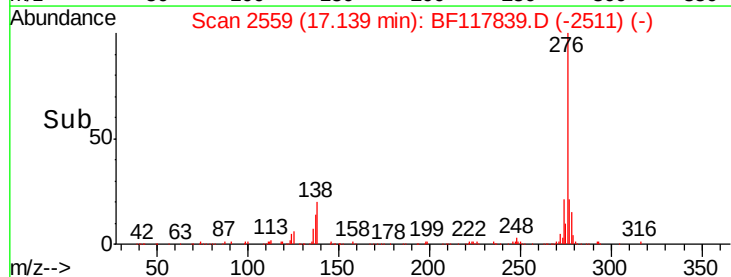
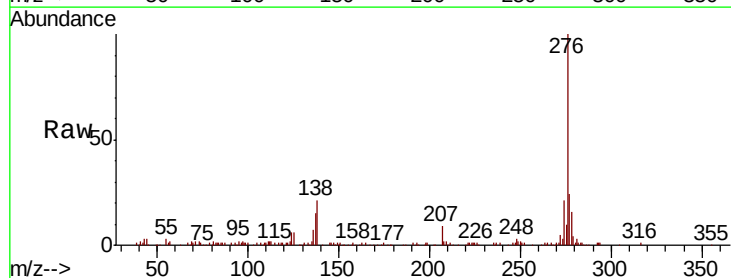
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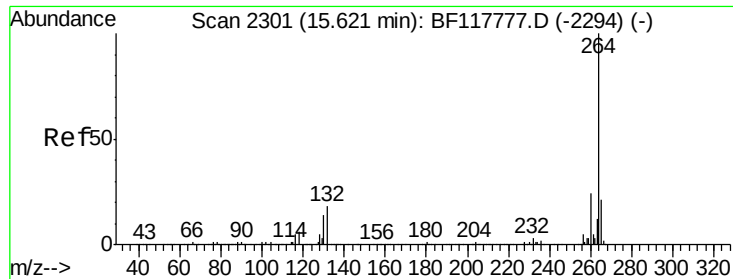
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.216 ng
RT: 17.14 min Scan# 2559
Delta R.T. -0.02 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	20.9	31.3
277	23.3	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.62 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

Instrument :

BNA_F

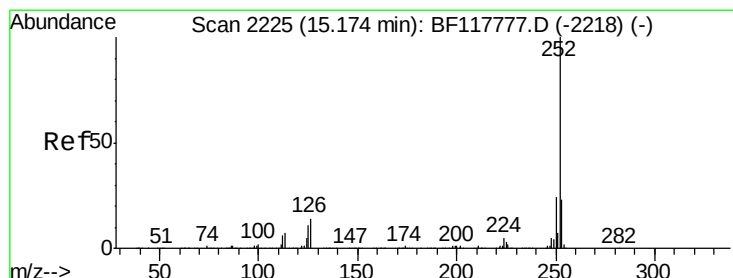
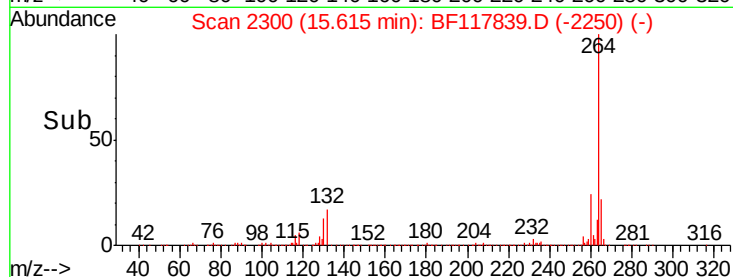
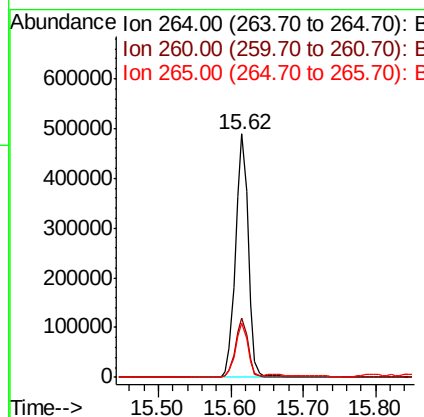
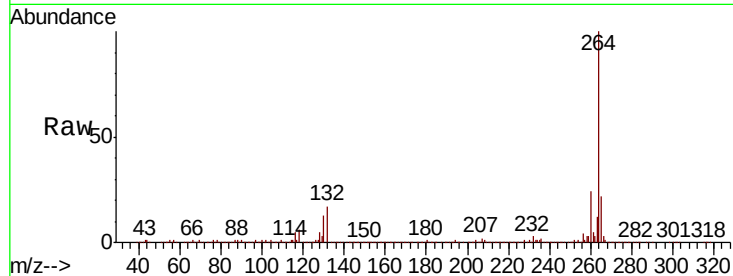
ClientSampleId :

6-(4-6)

Tot Ion:	264	Resp:	597799
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.4	29.0
265	22.3	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 9.339 ng m

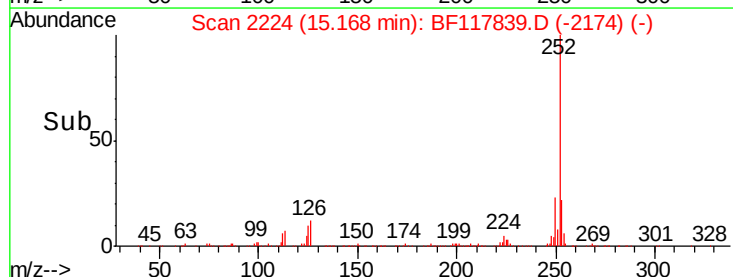
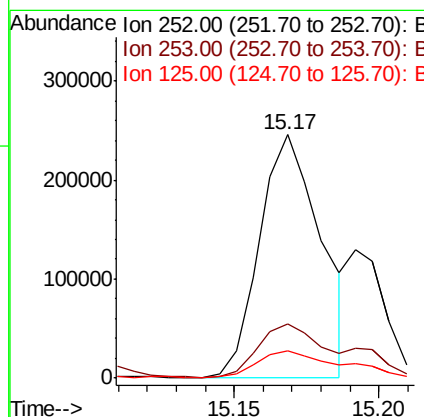
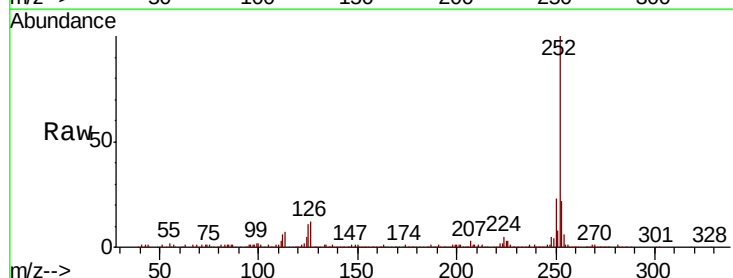
RT: 15.17 min Scan# 2224

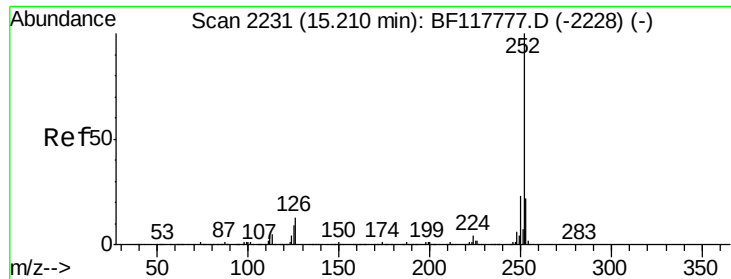
Delta R.T. -0.01 min

Lab File: BF117839.D

Acq: 18 Nov 2019 17:02

Tgt Ion:	252	Resp:	362736
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.0	27.0
125	11.0	8.6	13.0





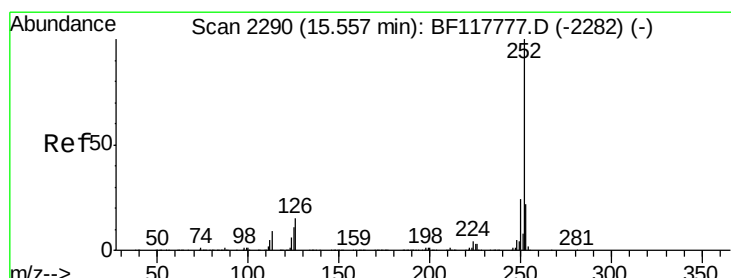
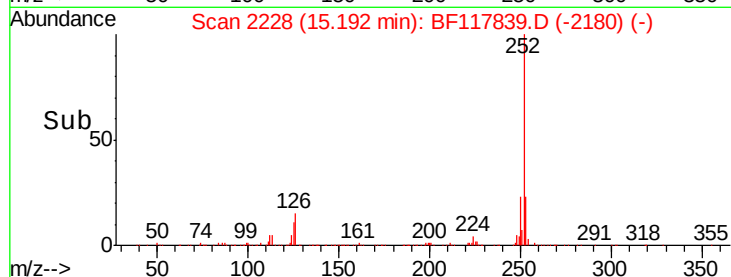
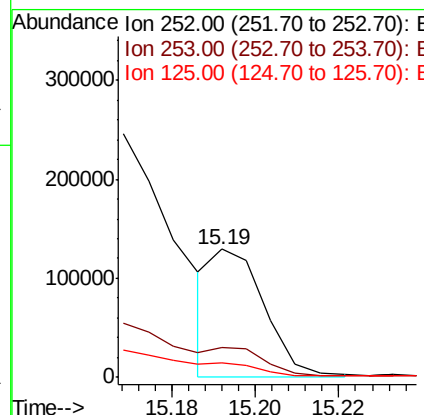
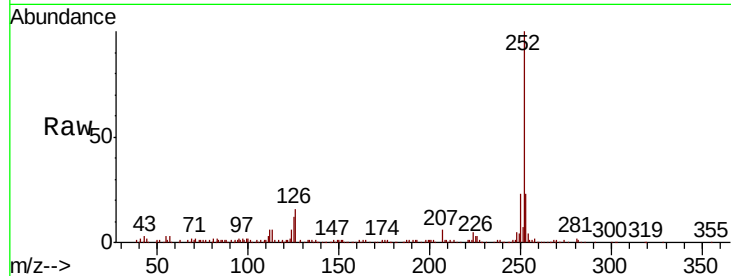
#89
Benzo(k)fluoranthene
Concen: 3.130 ng m
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Instrument :
BNA_F
ClientSampleId :
6-(4-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	11.7	7.9	11.9

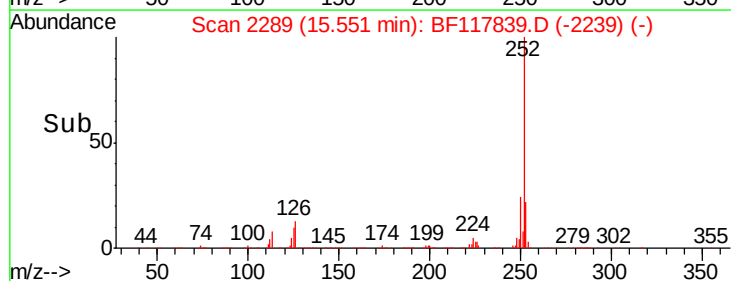
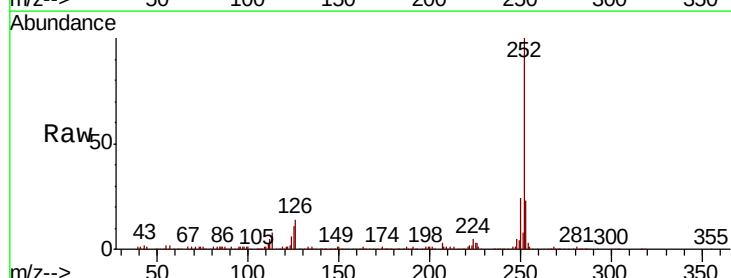
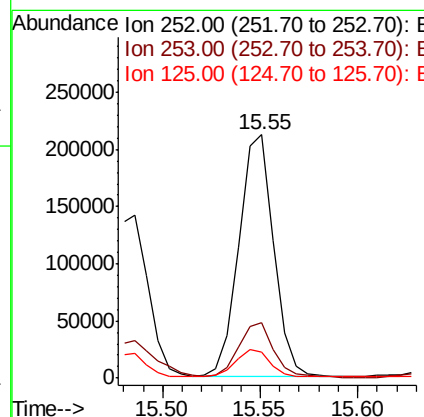
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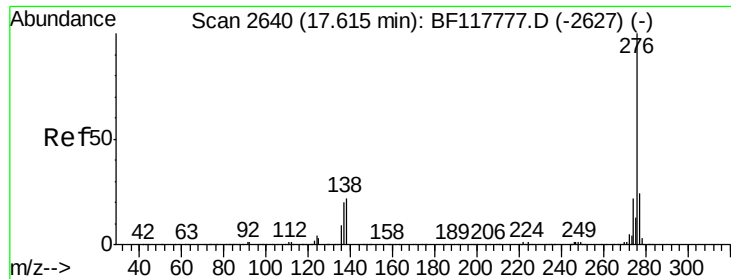
mohammad
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#90
Benzo(a)pyrene
Concen: 7.679 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF117839.D
Acq: 18 Nov 2019 17:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	10.8	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 6.335 ng
 RT: 17.60 min Scan# 2637
 Delta R.T. -0.02 min
 Lab File: BF117839.D
 Acq: 18 Nov 2019 17:02

Instrument :
 BNA_F
 ClientSampleId :
 6-(4-6)

Tot Ion:	276	Resp:	185483
Ion Ratio		Lower	Upper
276	100		
277	23.4	18.9	28.3
138	22.3	17.4	26.2

Manual Integrations
 APPROVED

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 11/19/2019 2:35:48 PM

