

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112319\
 Data File : BF117973.D
 Acq On : 23 Nov 2019 22:50
 Operator : JU
 Sample : K5670-09 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-112119

Manual Integrations
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 11/25/2019 2:32:39 PM

Quant Time: Nov 25 08:55:51 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	6.90	152	146300	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	498116	20.00	ng	-0.02
39) Acenaphthene-d10	9.96	164	274675	20.00	ng	-0.02
64) Phenanthrene-d10	11.45	188	600630	20.00	ng	-0.02
76) Chrysene-d12	14.10	240	350460	20.00	ng	-0.02
87) Perylene-d12	15.61	264	445888	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	140039	16.94	ng	-0.03
7) Phenol-d6	6.52	99	206926	20.76	ng	-0.03
23) Nitrobenzene-d5	7.46	82	114005	13.61	ng	-0.03
42) 2,4,6-Tribromophenol	10.75	330	59126	20.33	ng	-0.02
45) 2-Fluorobiphenyl	9.27	172	279617	18.26	ng	-0.02
79) Terphenyl-d14	13.03	244	256533	13.38	ng	-0.02
Target Compounds						
71) Phenanthrene	11.47	178	524698	17.375	ng	96
72) Anthracene	11.52	178	109169	3.646	ng	96
75) Fluoranthene	12.67	202	649014	19.305	ng	97
78) Pyrene	12.90	202	703859	24.852	ng	98
81) Benzo(a)anthracene	14.09	228	233122	10.066	ng	94
83) Chrysene	14.12	228	228485	10.182	ng	97
86) Indeno(1,2,3-cd)pyrene	17.13	276	91126	4.771	ng	96
88) Benzo(b)fluoranthene	15.16	252	294306m	10.159	ng	
89) Benzo(k)fluoranthene	15.19	252	111841m	4.097	ng	
90) Benzo(a)pyrene	15.54	252	195125	7.660	ng	99
92) Benzo(g,h,i)perylene	17.59	276	89271	4.088	ng	97

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

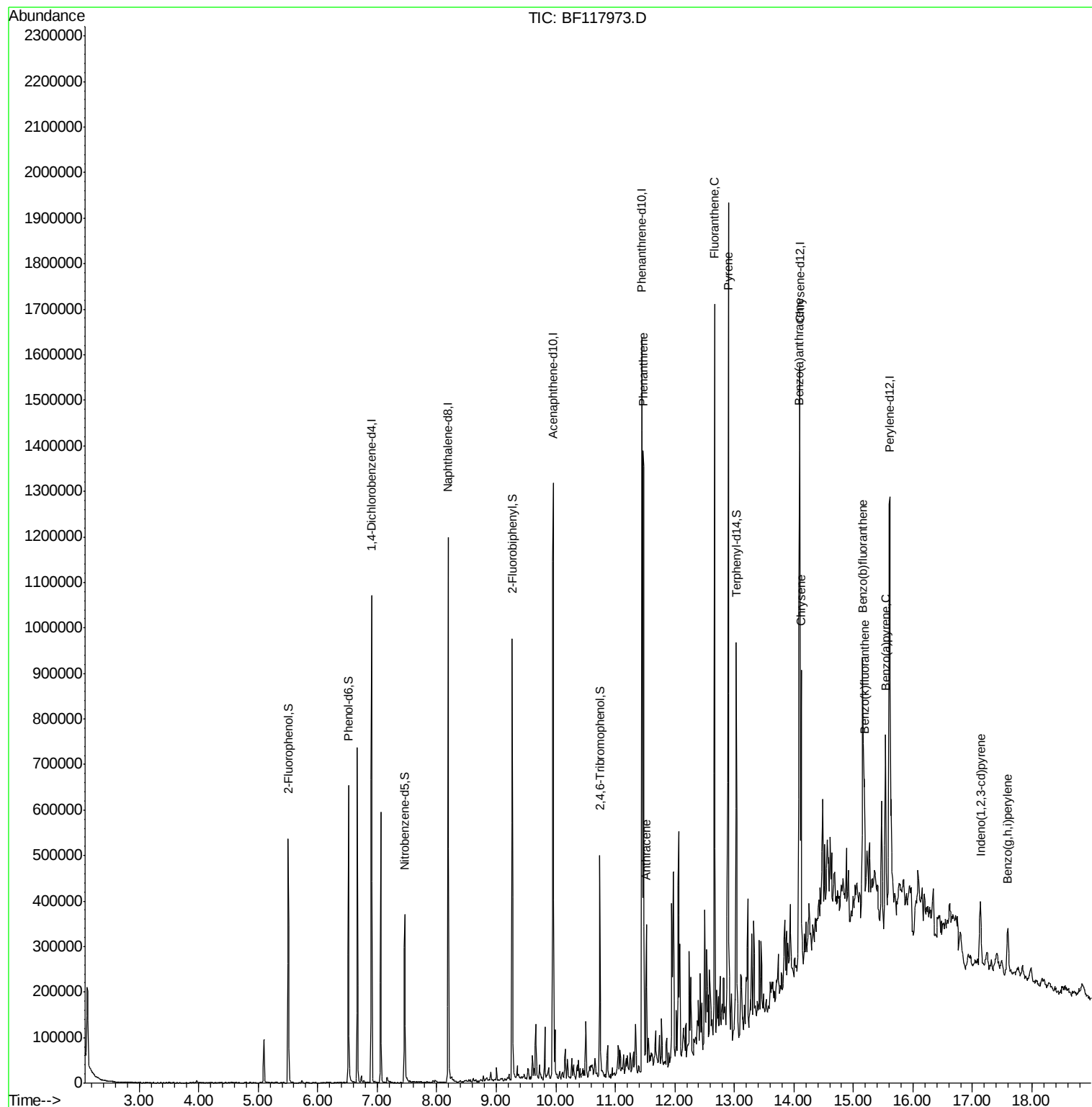
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112319\
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ALS Vial : 25 Sample Multiplier: 1

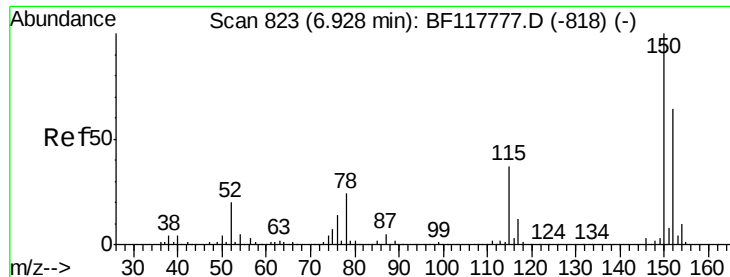
Instrument :
BNA_F
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OK-01-112119

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
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#1

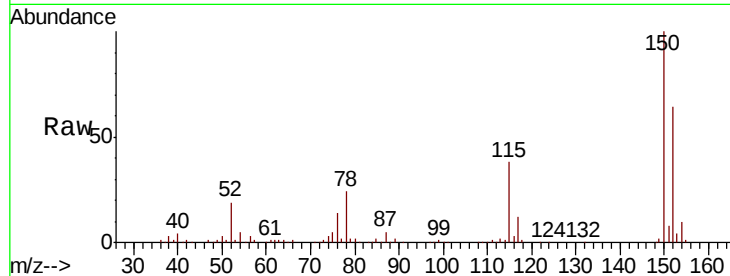
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Instrument :
BNA_F
ClientSampleId :
OK-01-112119

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	125.3	187.9
115	60.4	47.0	70.4

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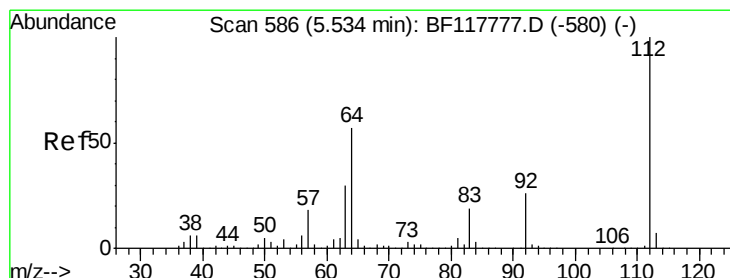
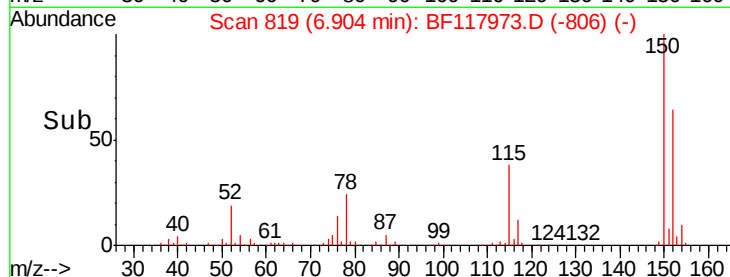
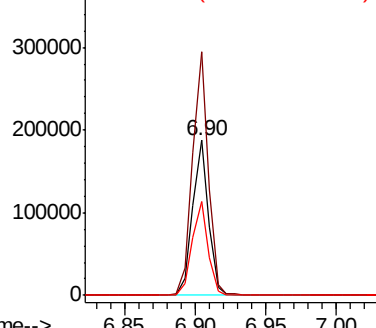


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

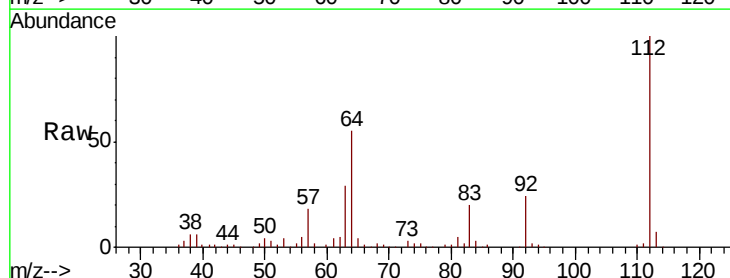
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 16.944 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.03 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	45.6	68.4
63	29.2	24.1	36.1

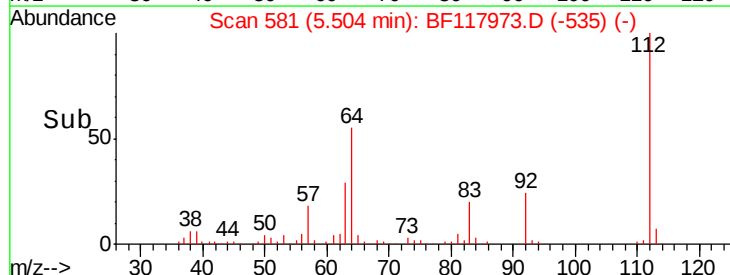
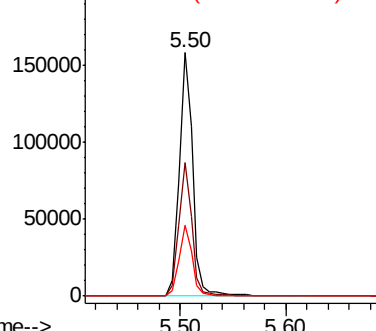


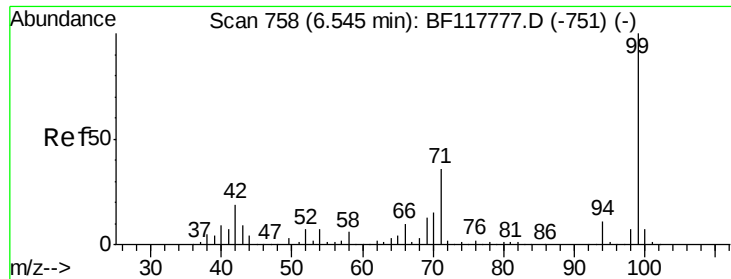
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 20.757 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

Instrument :

BNA_F

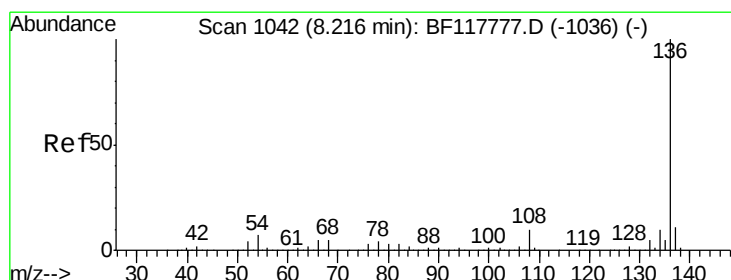
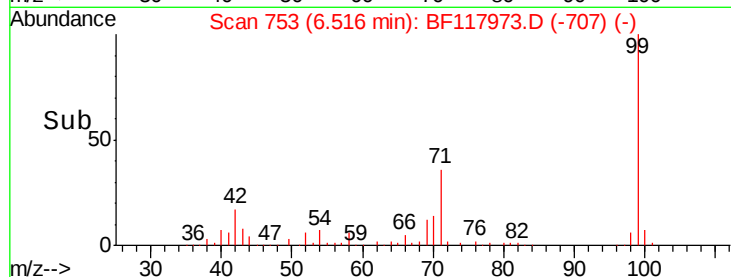
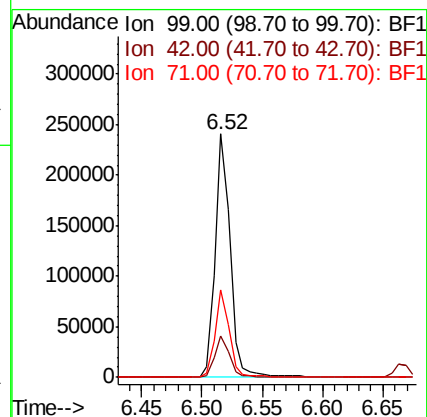
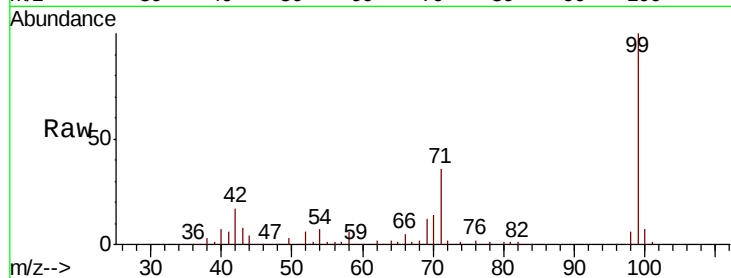
ClientSampleId :

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Tot Ion:	99	Resp:	206926
Ion Ratio	Lower	Upper	
99	100		
42	17.0	14.9	22.3
71	35.7	28.6	43.0

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#21

Naphthalene-d8

Concen: 20.000 ng

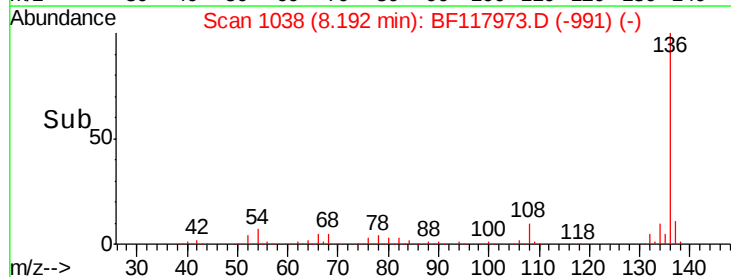
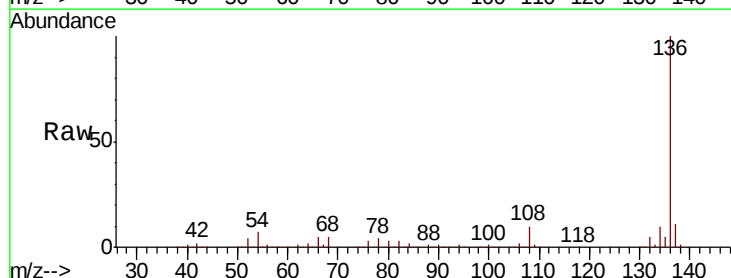
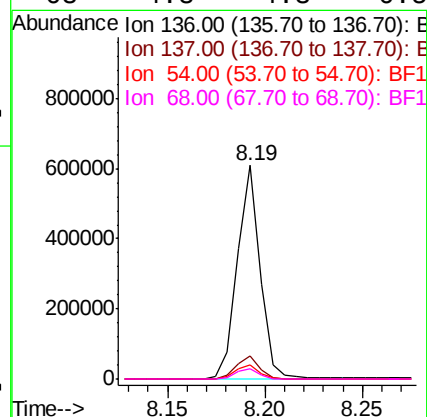
RT: 8.19 min Scan# 1038

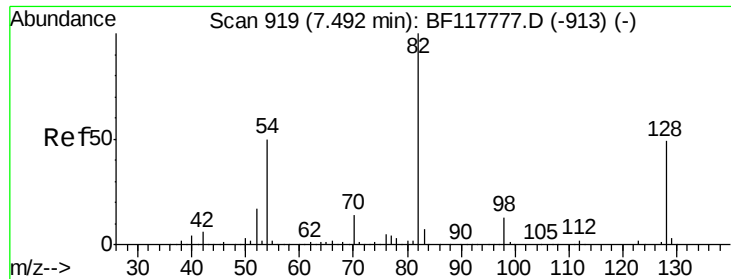
Delta R.T. -0.02 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

Tgt Ion:	136	Resp:	498116
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	6.6	5.4	8.2
68	4.8	4.3	6.5





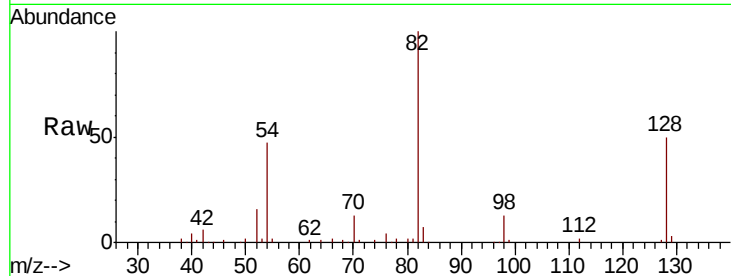
#23
Nitrobenzene-d5
Concen: 13.606 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.03 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Instrument :
BNA_F
ClientSampleId :
OK-01-112119

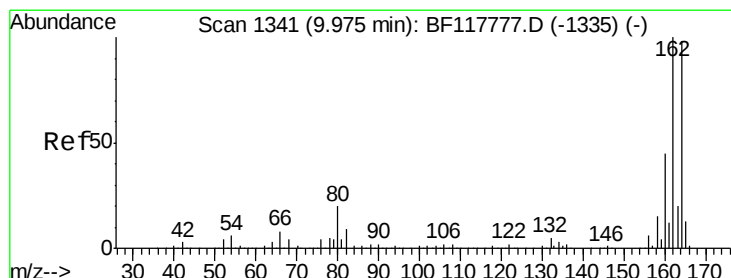
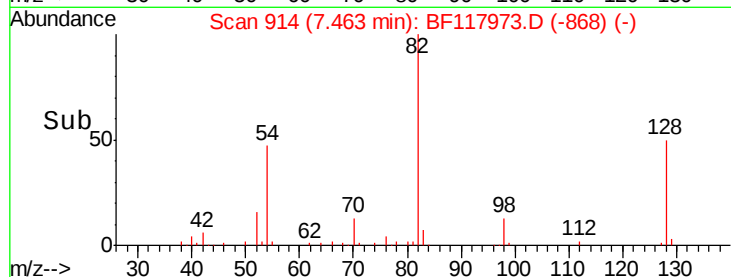
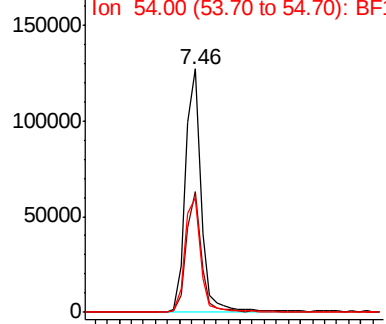
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.7	38.9	58.3
54	47.0	39.8	59.6

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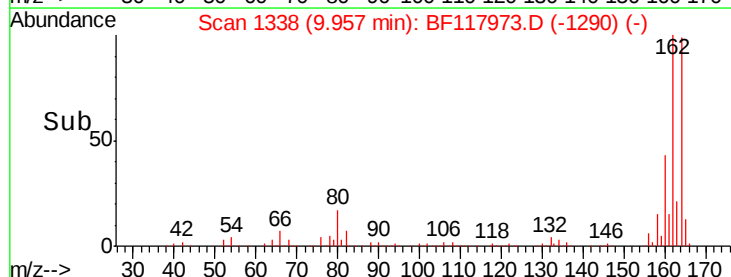
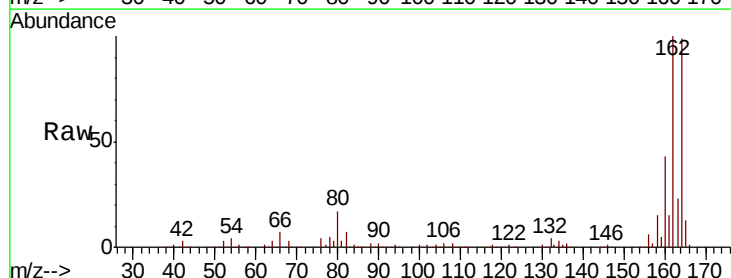
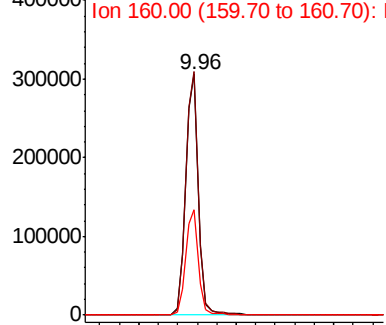
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

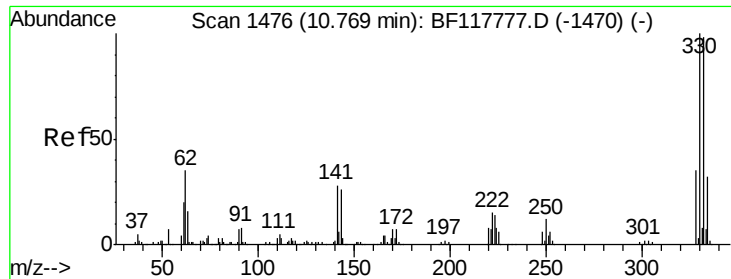


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.3	121.9
160	43.6	36.6	55.0

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: 20.333 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.02 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

Instrument :

BNA_F

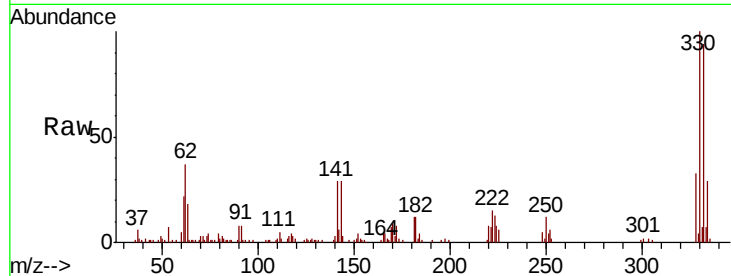
ClientSampleId :

OK-01-112119

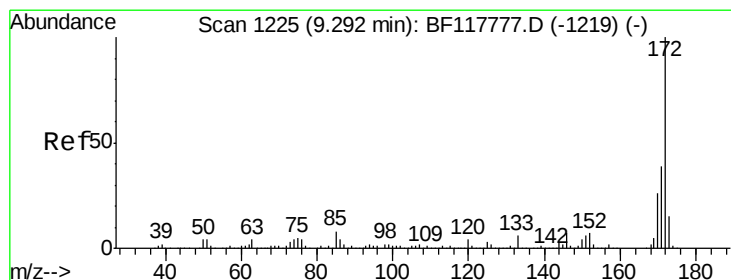
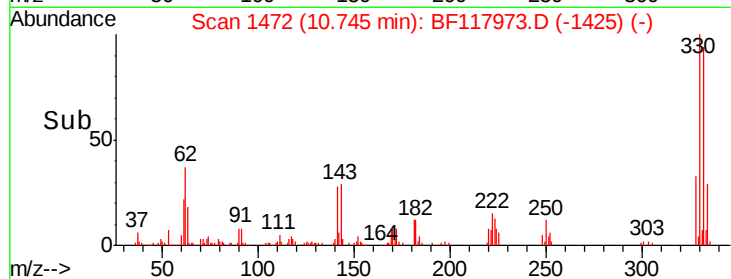
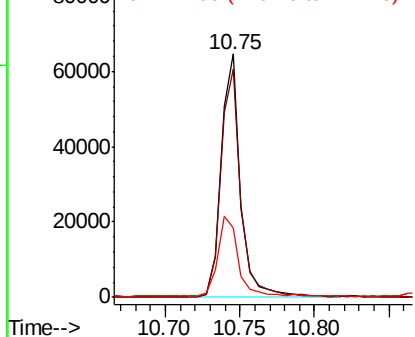
Tot Ion:	330	Resp:	59126
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.7	115.1
141	39.3	27.7	41.5

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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: 18.263 ng

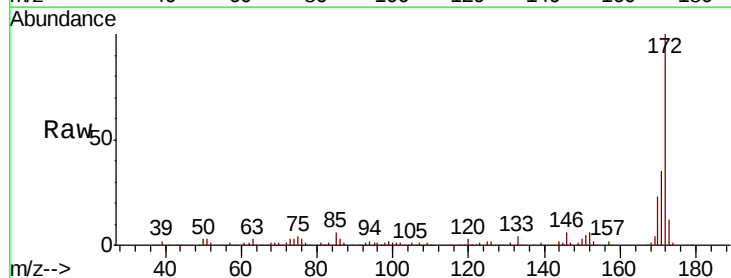
RT: 9.27 min Scan# 1221

Delta R.T. -0.02 min

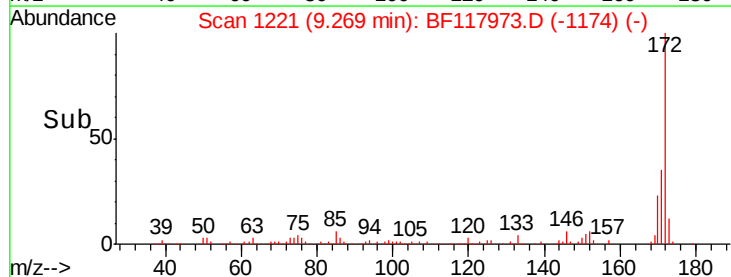
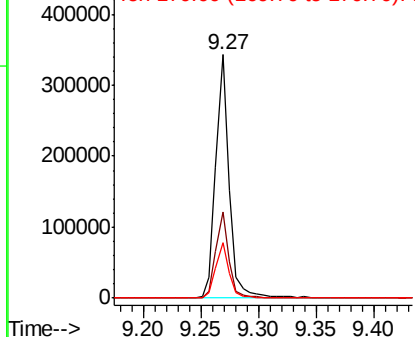
Lab File: BF117973.D

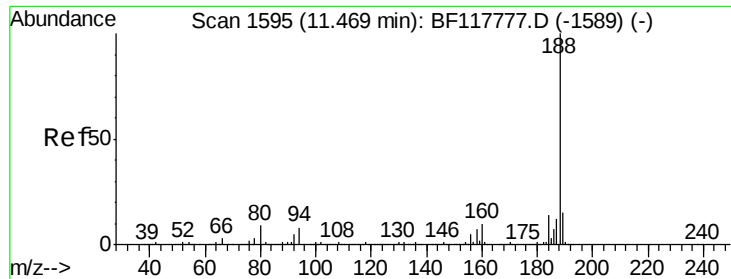
Acq: 23 Nov 2019 22:50

Tgt Ion:	172	Resp:	279617
Ion Ratio	Lower	Upper	
172	100		
171	35.2	30.9	46.3
170	22.9	21.0	31.4



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





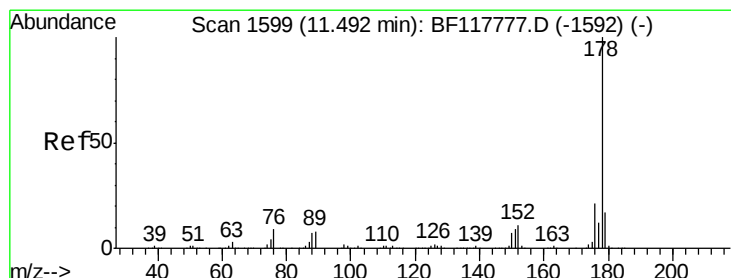
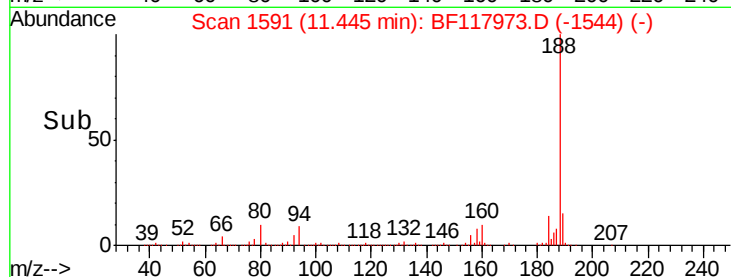
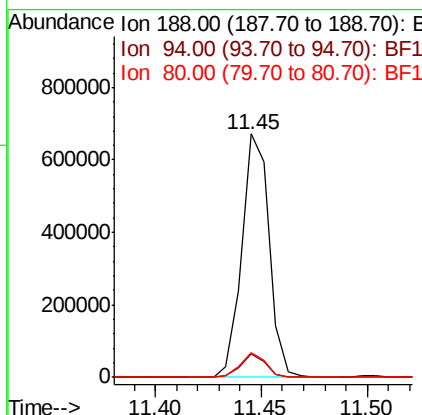
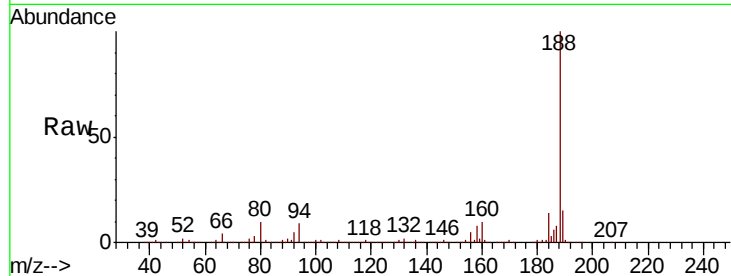
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Instrument :
BNA_F
ClientSampleId :
OK-01-112119

Tot Ion	Ratio	Resp	Lower	Upper
188	100	600630		
94	9.4		6.6	10.0
80	10.1		7.2	10.8

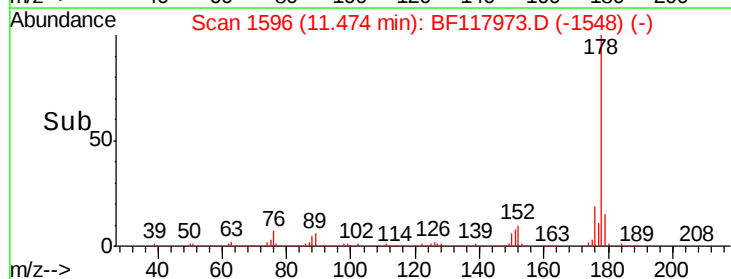
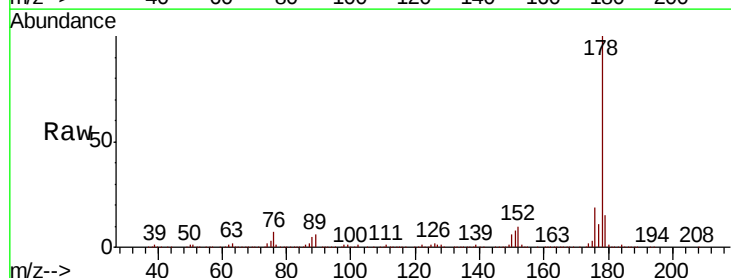
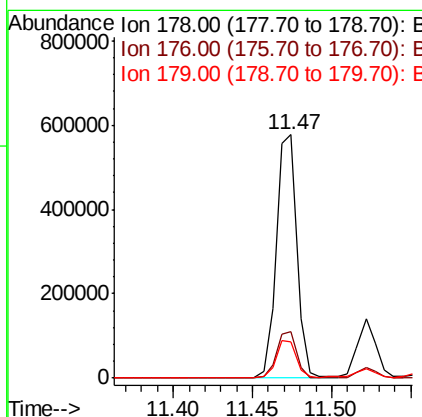
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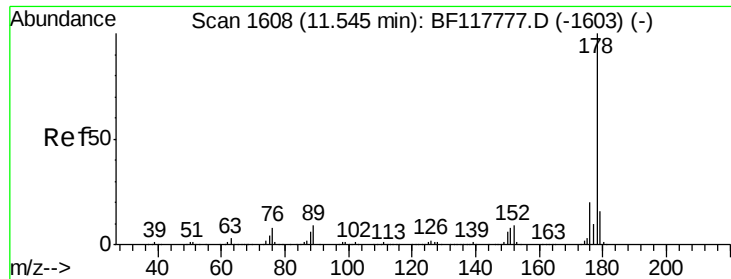
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#71
Phenanthrene
Concen: 17.375 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	524698		
176	19.2		16.6	25.0
179	14.7		13.2	19.8





#72

Anthracene

Concen: 3.646 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.02 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

Instrument :

BNA_F

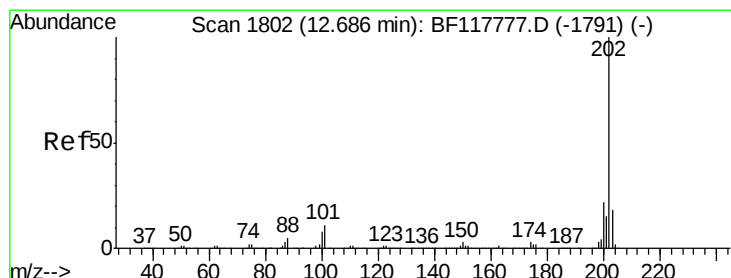
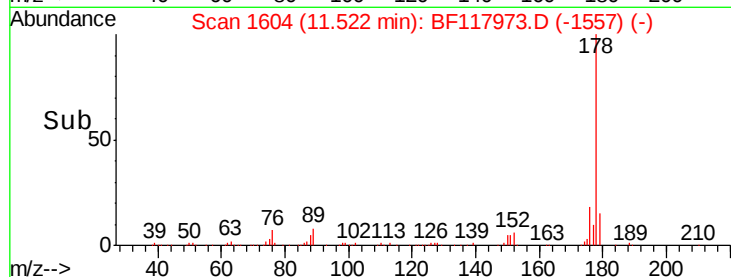
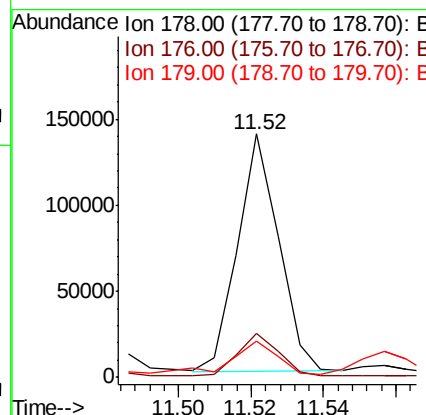
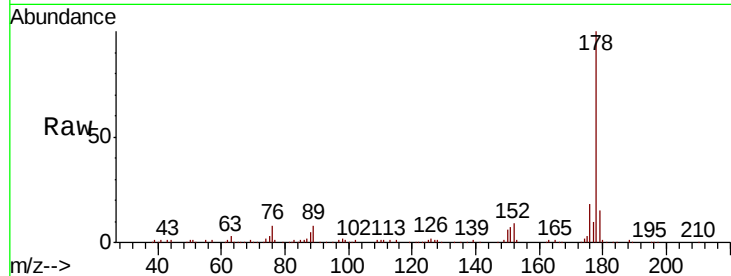
ClientSampleId :

OK-01-112119

Tot Ion:	178	Resp:	109169
Ion Ratio	Lower	Upper	
178	100		
176	18.0	16.1	24.1
179	15.0	13.0	19.4

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#75

Fluoranthene

Concen: 19.305 ng

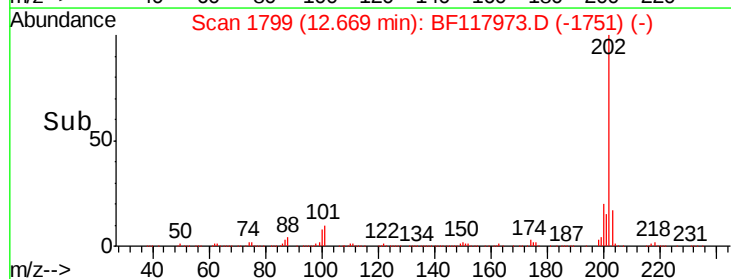
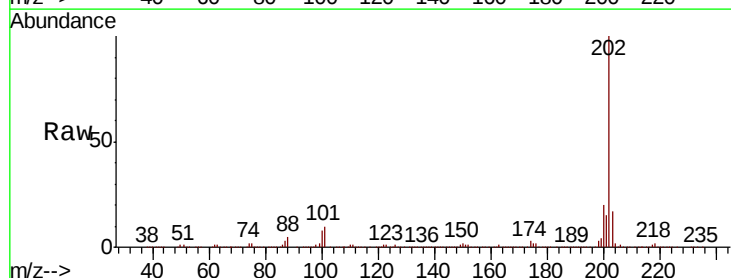
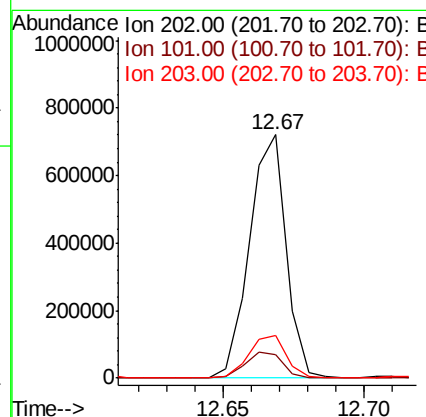
RT: 12.67 min Scan# 1799

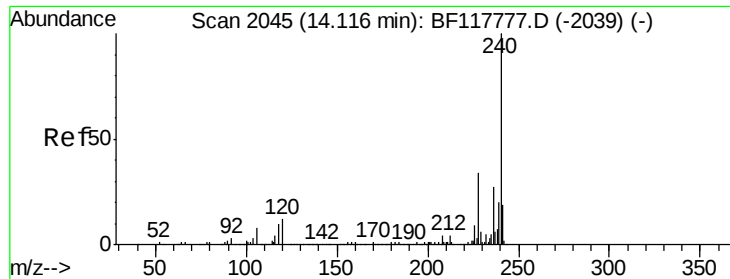
Delta R.T. -0.02 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

Tgt Ion:	202	Resp:	649014
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	31.1
203	17.4	0.0	38.2





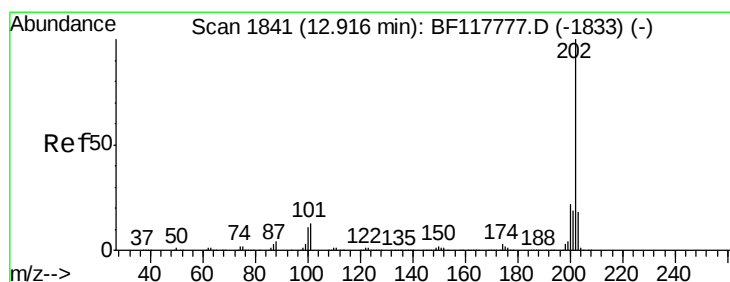
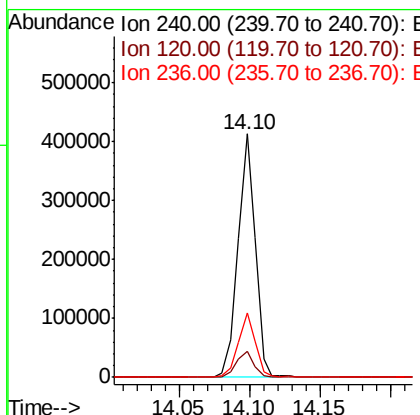
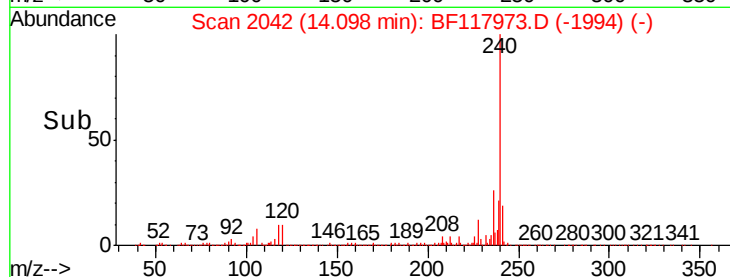
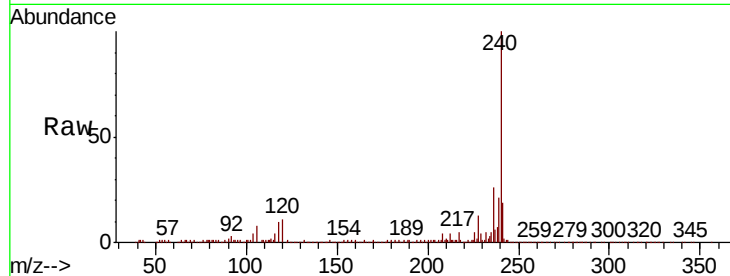
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Instrument :
BNA_F
ClientSampleId :
OK-01-112119

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.5	14.3
236	26.3	21.3	31.9

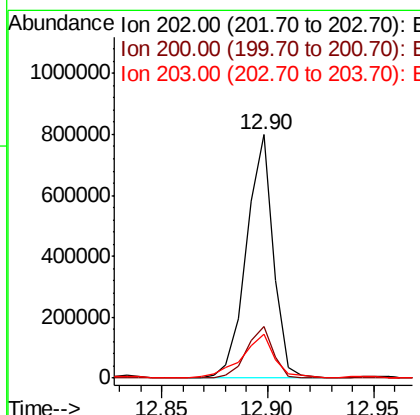
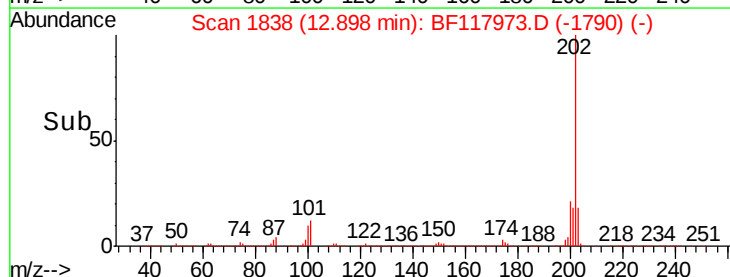
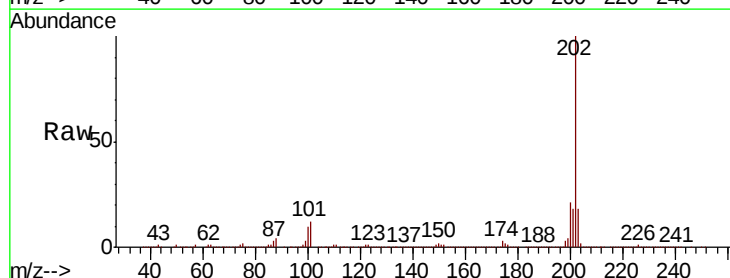
Manual Integrations
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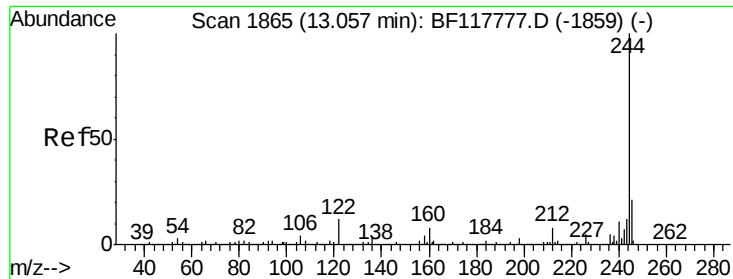
mohammad
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#78
Pyrene
Concen: 24.852 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.8
203	17.8	14.6	22.0





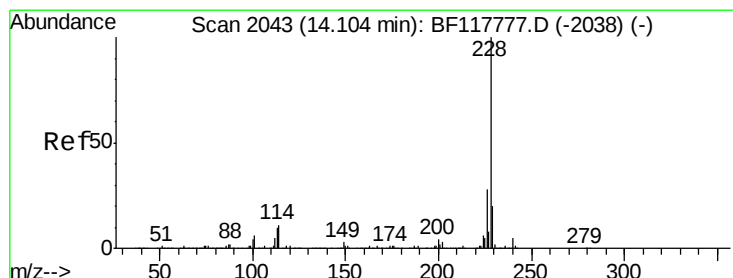
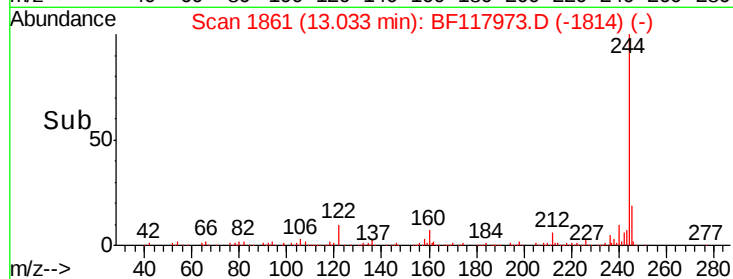
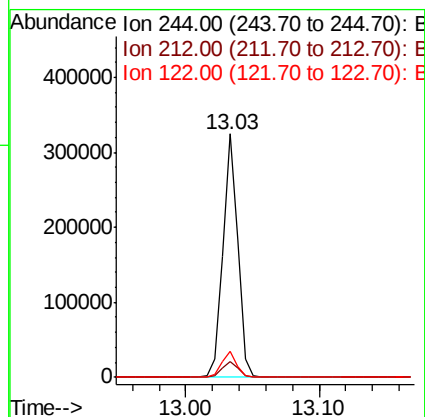
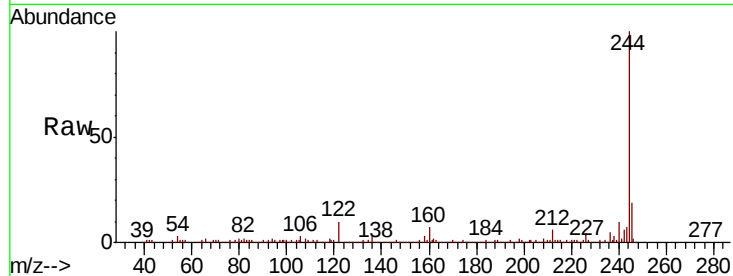
#79
 Terphenyl-d14
 Concen: 13.378 ng
 RT: 13.03 min Scan# 1861
 Delta R.T. -0.02 min
 Lab File: BF117973.D
 Acq: 23 Nov 2019 22:50

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-112119

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.3	9.5
122	10.4	9.4	14.2

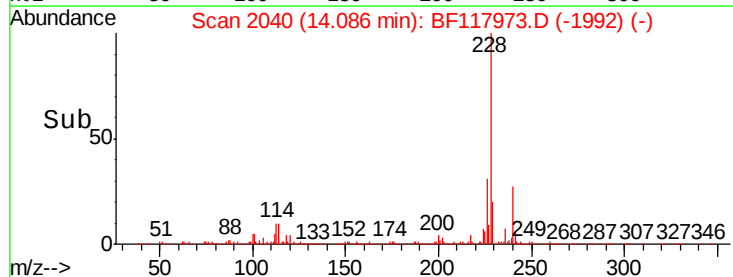
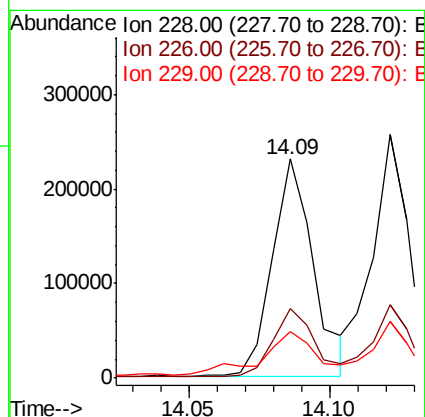
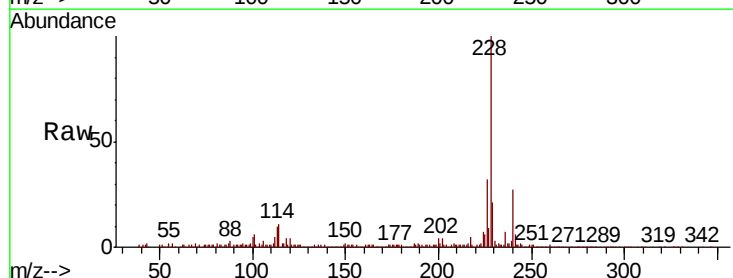
Manual Integrations
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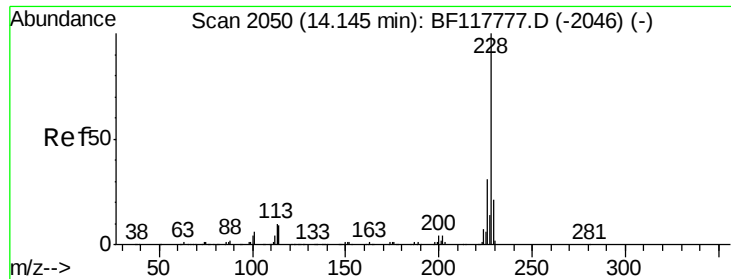
mohammad
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#81
 Benzo(a)anthracene
 Concen: 10.066 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. -0.02 min
 Lab File: BF117973.D
 Acq: 23 Nov 2019 22:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.2	33.2
229	21.4	15.9	23.9





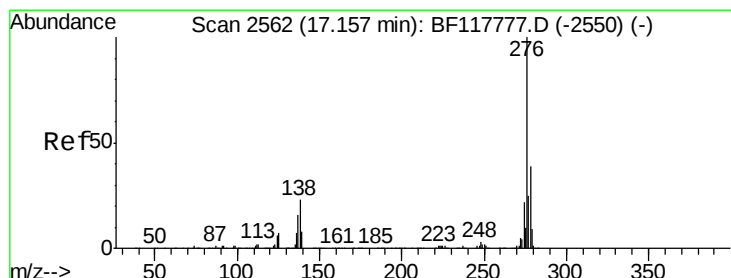
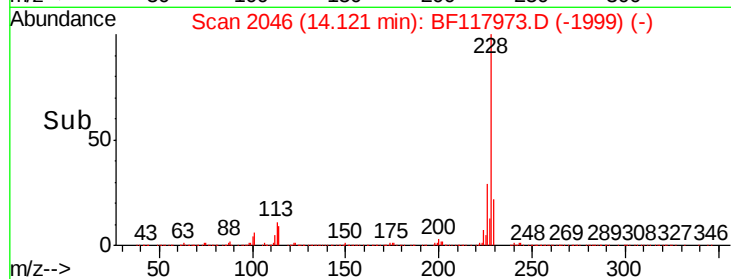
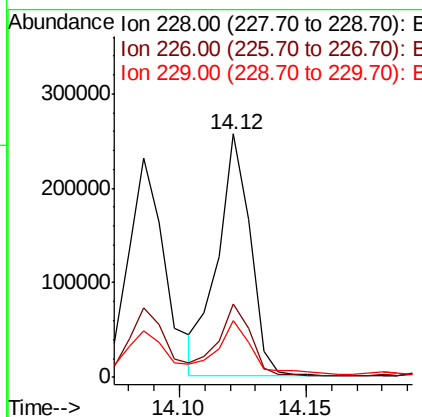
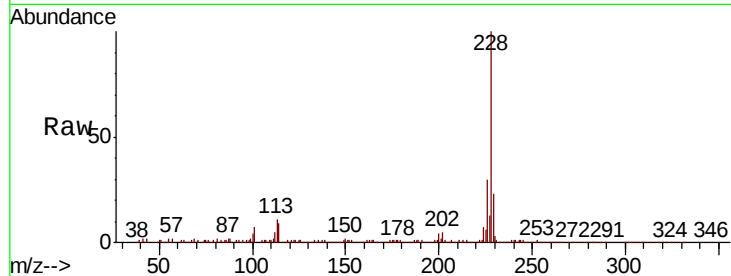
#83
Chrysene
Concen: 10.182 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Instrument :
BNA_F
ClientSampleId :
OK-01-112119

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.4
229	23.2	16.6	25.0

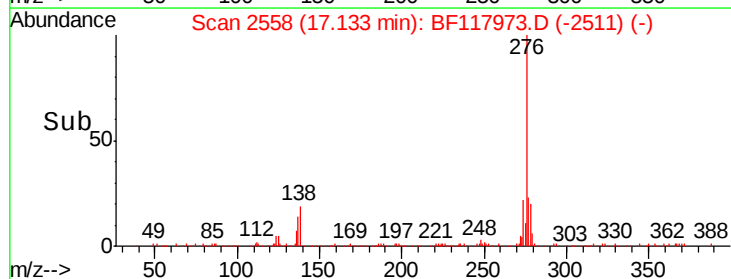
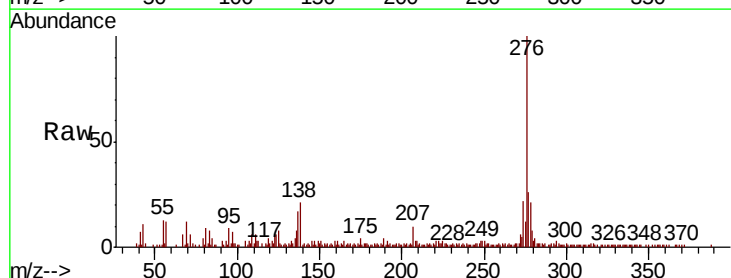
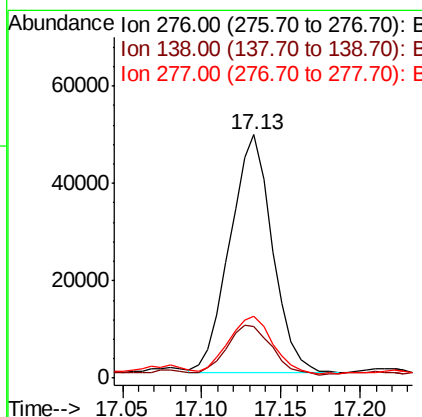
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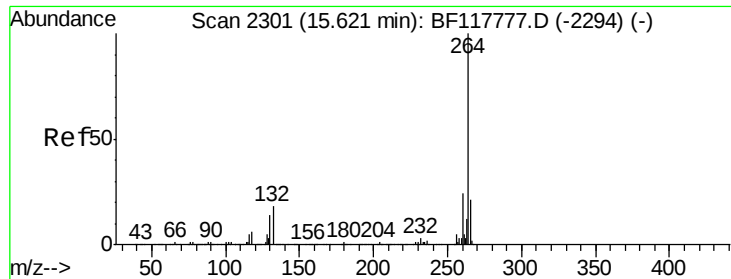
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.771 ng
RT: 17.13 min Scan# 2558
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	20.9	31.3
277	25.3	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.61 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

Instrument :

BNA_F

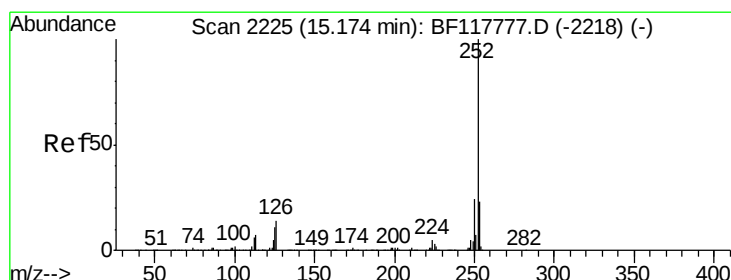
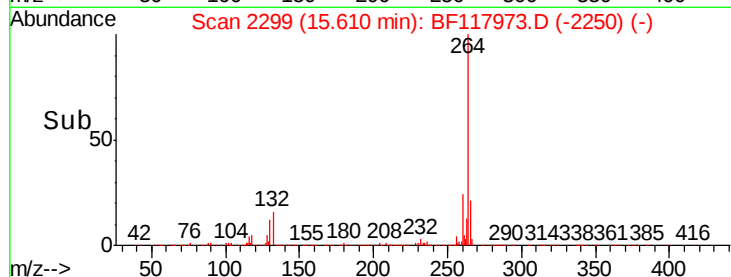
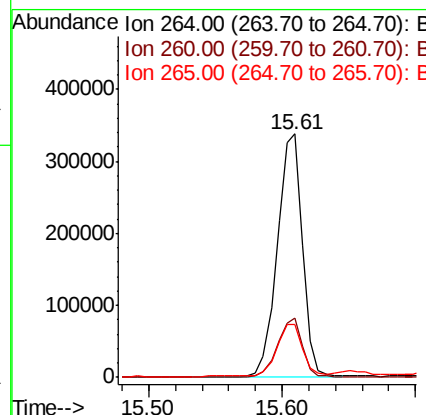
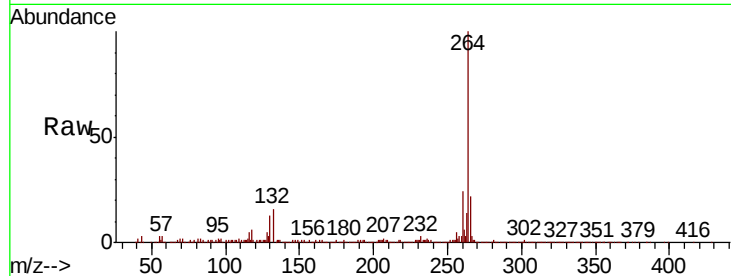
ClientSampleId :

OK-01-112119

Tot Ion:	264	Resp:	445888
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.4	29.0
265	21.6	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 10.159 ng m

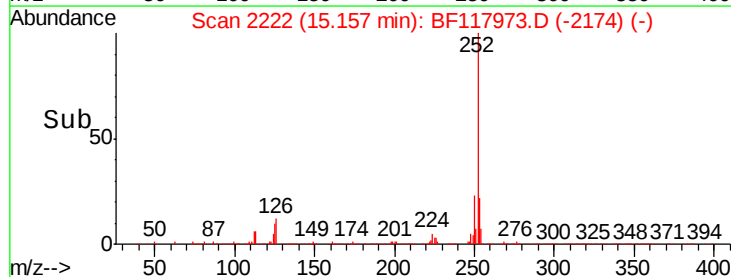
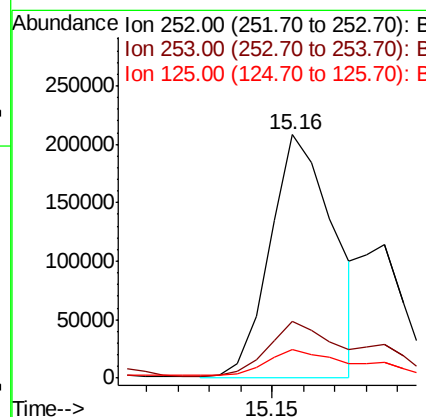
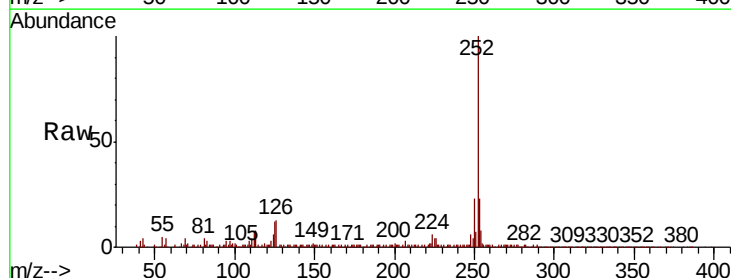
RT: 15.16 min Scan# 2222

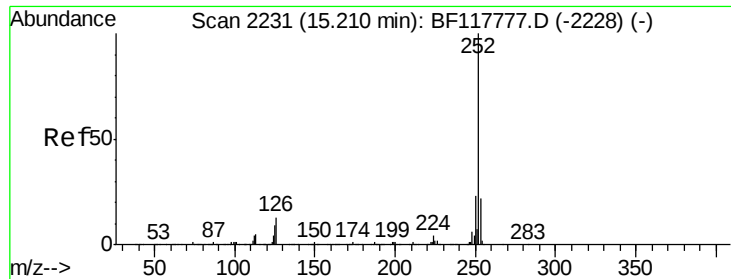
Delta R.T. -0.02 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

Tgt Ion:	252	Resp:	294306
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.0	27.0
125	11.6	8.6	13.0





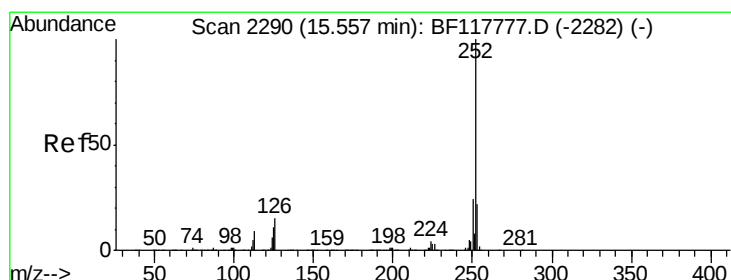
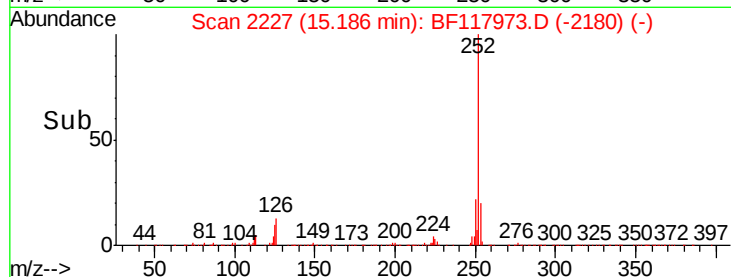
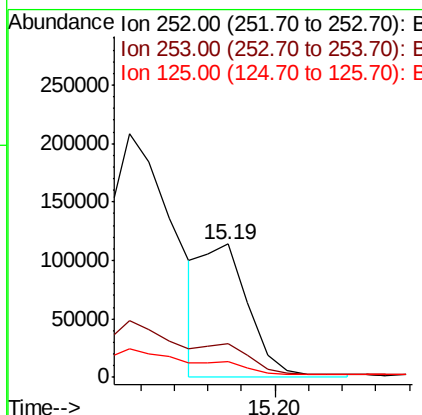
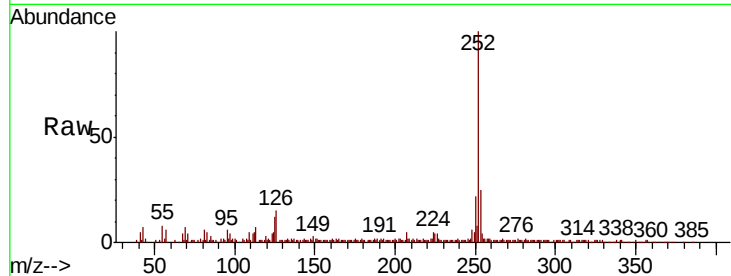
#89
Benzo(k)fluoranthene
Concen: 4.097 ng m
RT: 15.19 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Instrument :
BNA_F
ClientSampleId :
OK-01-112119

Tot Ion:	252	Resp:	111841
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.5	26.3
125	11.7	7.9	11.9

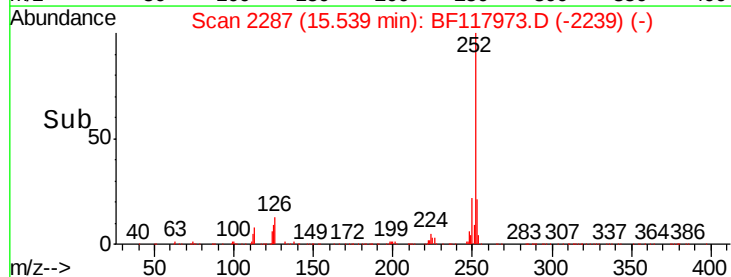
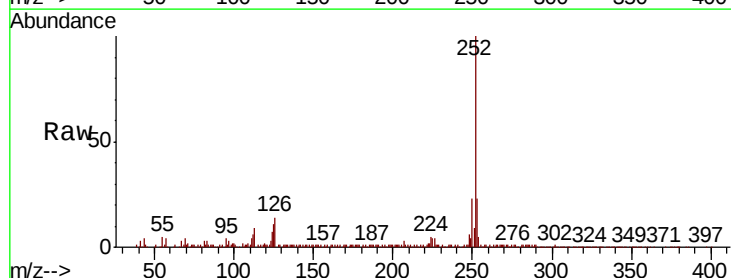
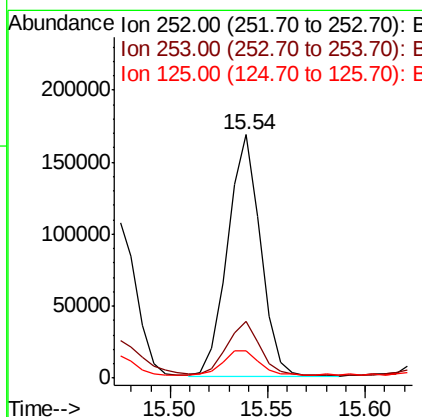
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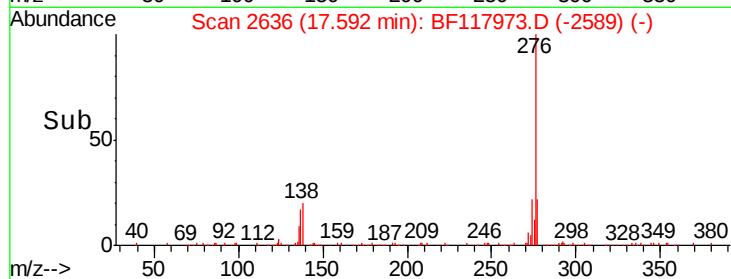
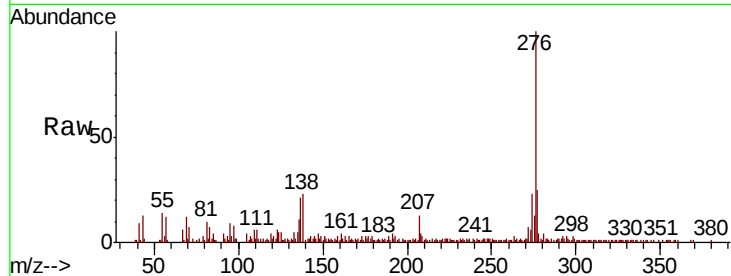
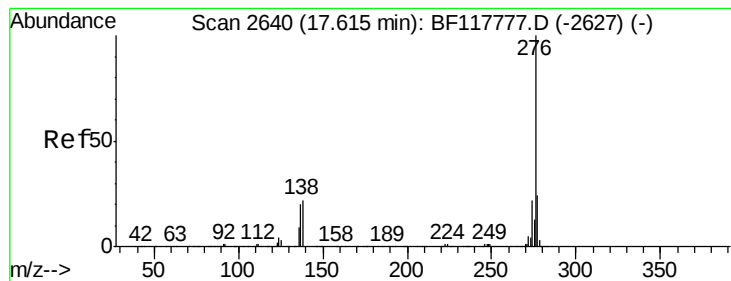
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#90
Benzo(a)pyrene
Concen: 7.660 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.02 min
Lab File: BF117973.D
Acq: 23 Nov 2019 22:50

Tgt Ion:	252	Resp:	195125
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.6
125	11.4	9.2	13.8





#92

Benzo(a,h,i)perylene

Concen: 4.088 ng

RT: 17.59 min Scan# 2636

Delta R.T. -0.02 min

Lab File: BF117973.D

Acq: 23 Nov 2019 22:50

Instrument :

BNA_F

ClientSampleId :

OK-01-112119

Tot Ion:	276	Resp:	89271
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.9	28.3
138	23.4	17.4	26.2

Manual Integrations
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