

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117063.D
 Acq On : 16 Sep 2019 15:18
 Operator : HP/JU
 Sample : K4893-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200059-RT-1494

Manual Integrations
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 9/17/2019 1:25:37 PM

Quant Time: Sep 17 06:09:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	54849	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	220422	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	117748	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	193730	20.00	ng	0.00
76) Chrysene-d12	13.97	240	133094	20.00	ng	0.00
87) Perylene-d12	15.42	264	121478	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	354164	100.81	ng	0.01
7) Phenol-d6	6.46	99	490305	107.99	ng	0.00
23) Nitrobenzene-d5	7.38	82	304016	72.47	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	106296	108.01	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	487867	64.78	ng	0.00
79) Terphenyl-d14	12.91	244	476855	66.97	ng	0.00
Target Compounds						
10) Phenol	6.47	94	15756	3.148	ng	97
50) Dimethylphthalate	9.57	163	47019	5.640	ng	99
52) Acenaphthene	9.88	154	111647	17.248	ng	99
55) Dibenzofuran	10.06	168	70154	7.346	ng	99
58) Fluorene	10.40	166	90306	11.738	ng	98
71) Phenanthrene	11.36	178	385469	35.031	ng	99
72) Anthracene	11.41	178	46229m	4.115	ng	
75) Fluoranthene	12.54	202	353019	31.223	ng	97
78) Pyrene	12.77	202	258611	23.157	ng	100
81) Benzo(a)anthracene	13.96	228	70202	7.895	ng	97
83) Chrysene	13.99	228	56690	6.537	ng	96
84) Bis(2-ethylhexyl)phthalate	13.94	149	36298	5.335	ng	# 98
88) Benzo(b)fluoranthene	15.00	252	47107m	6.402	ng	
89) Benzo(k)fluoranthene	15.03	252	15997m	2.295	ng	
90) Benzo(a)pyrene	15.36	252	24313	3.765	ng	99
92) Benzo(g,h,i)perylene	17.29	276	11445	2.233	ng	97

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

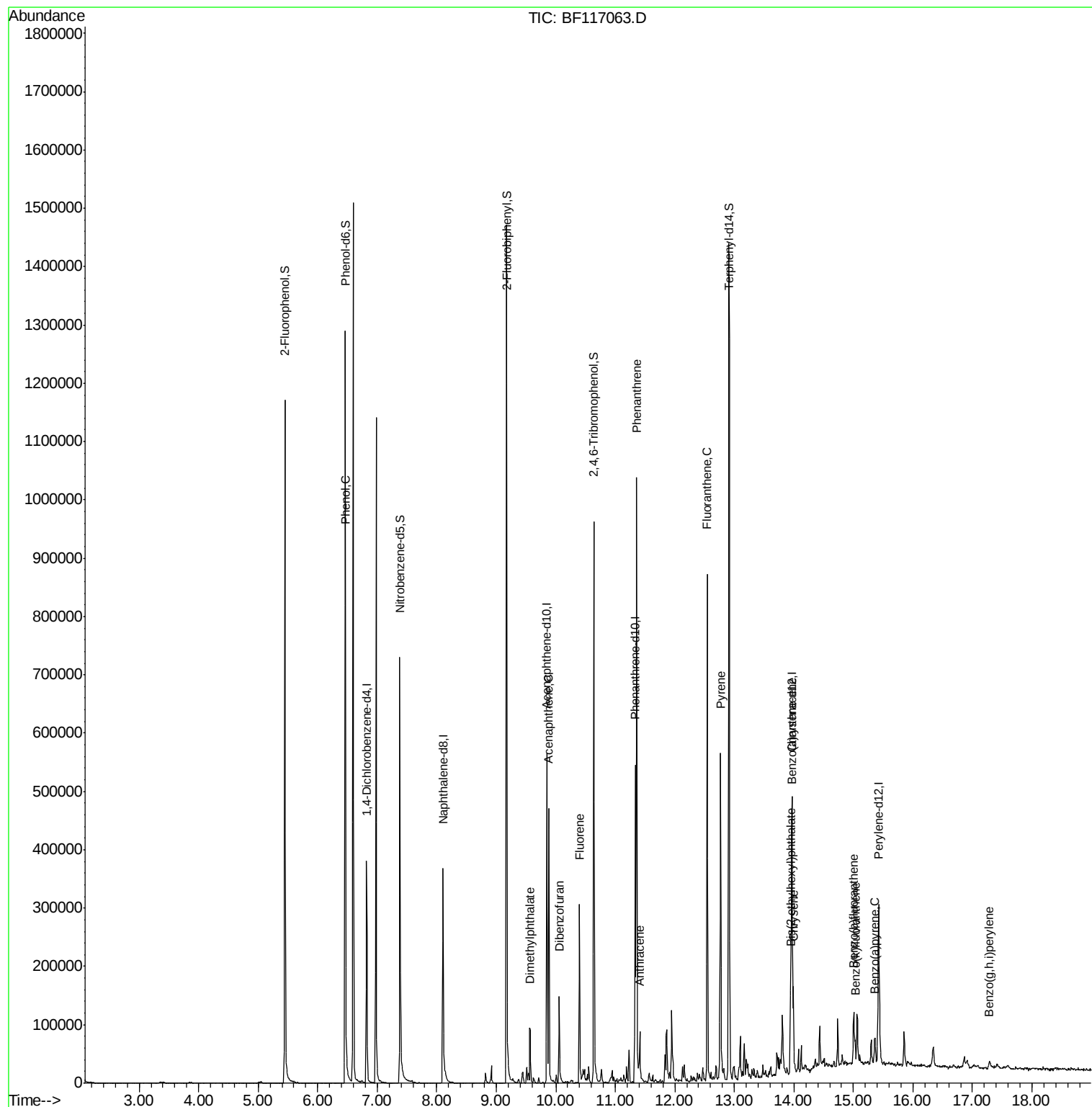
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117063.D
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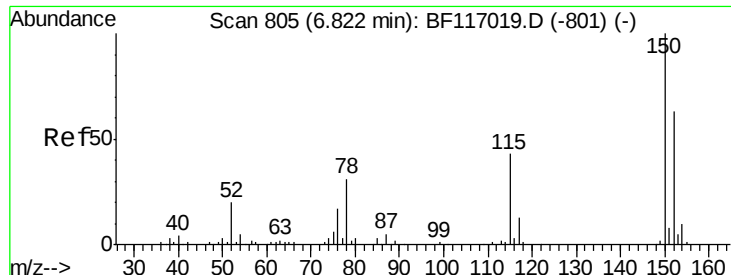
Instrument :
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#1

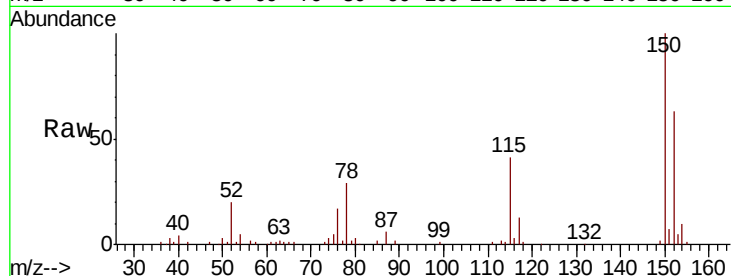
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117063.D
Acq: 16 Sep 2019 15:18

Instrument :
BNA_F
ClientSampleId :
RBR-200059-RT-1494

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	127.5	191.3
115	65.1	55.0	82.4

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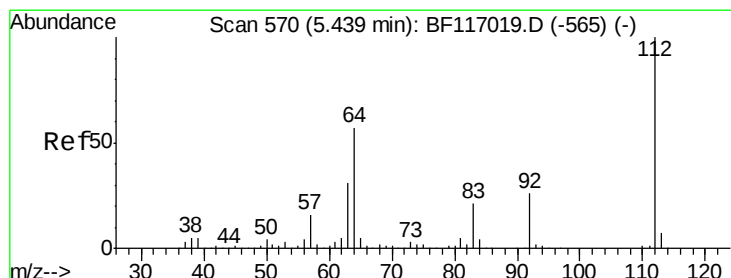
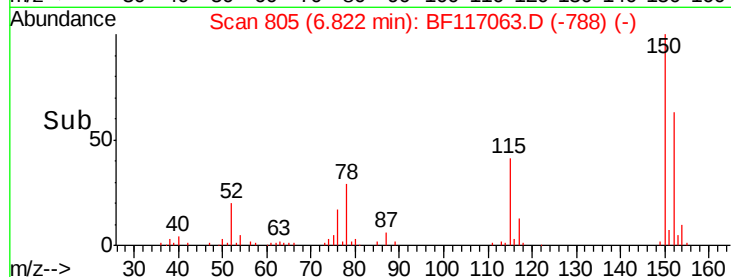
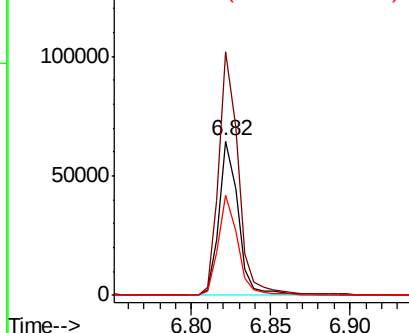


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

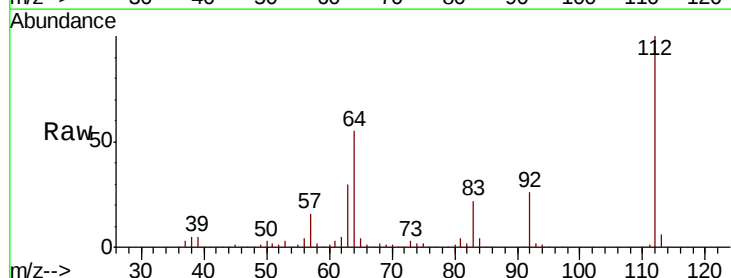
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.811 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117063.D
Acq: 16 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	45.7	68.5
63	29.8	24.9	37.3

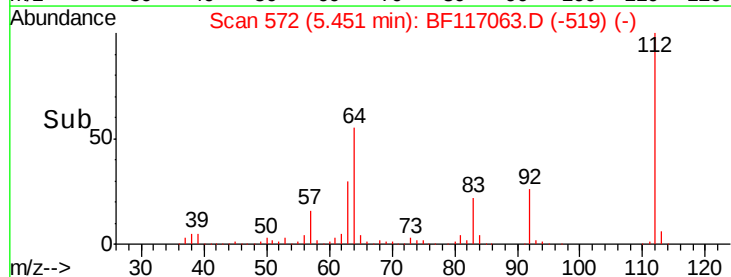
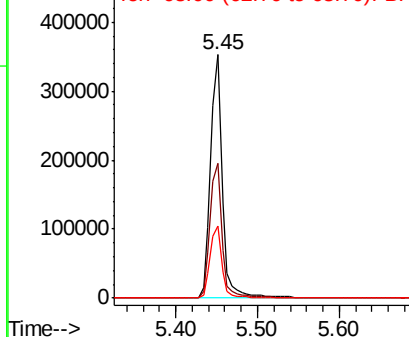


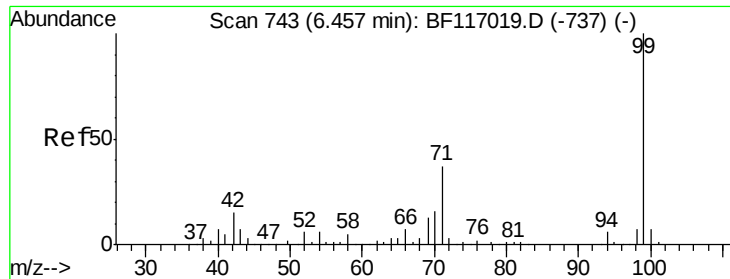
Abundance

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: 107.991 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117063.D

Acq: 16 Sep 2019 15:18

Instrument :

BNA_F

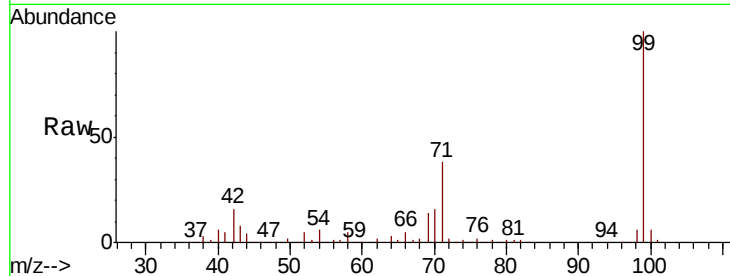
ClientSampleId :

RBR-200059-RT-1494

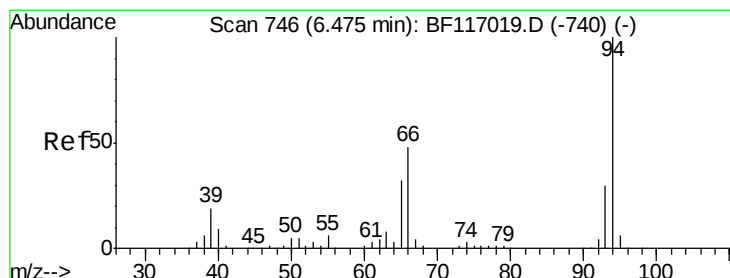
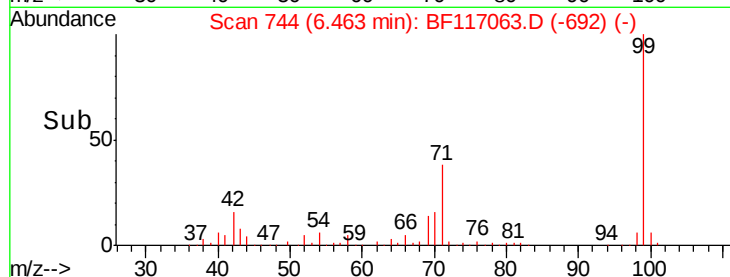
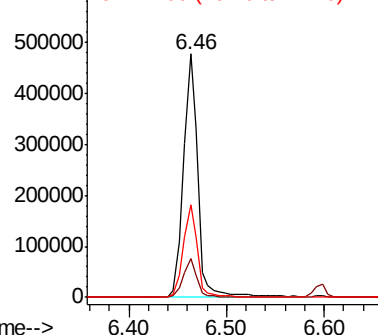
Tot Ion:	99	Resp:	490305
Ion Ratio	Lower	Upper	
99	100		
42	16.0	12.2	18.2
71	38.0	29.8	44.8

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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



#10

Phenol

Concen: 3.148 ng

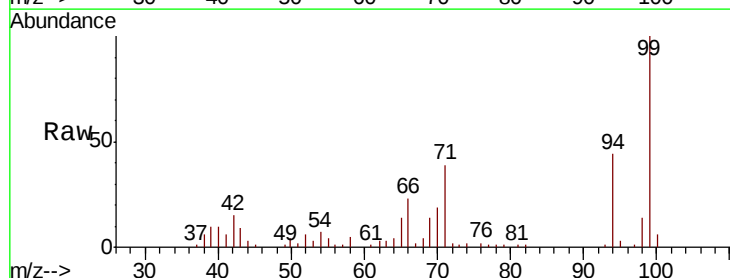
RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

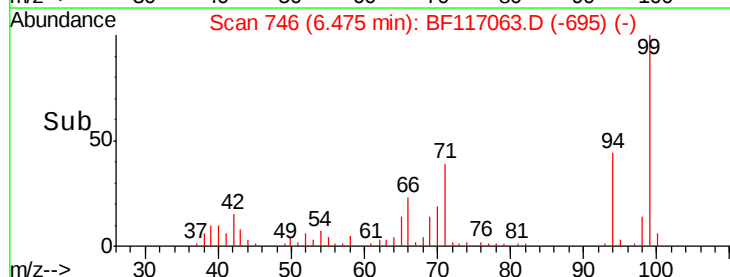
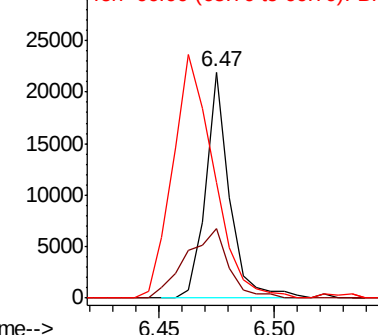
Lab File: BF117063.D

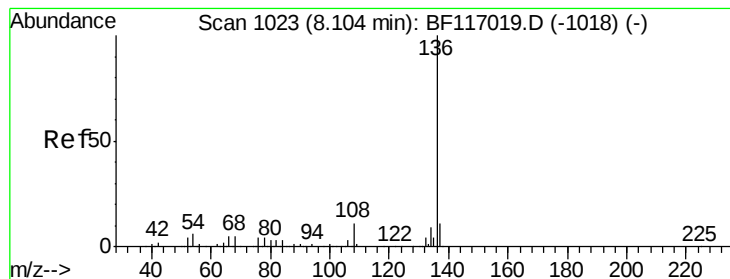
Acq: 16 Sep 2019 15:18

Tgt Ion:	94	Resp:	15756
Ion Ratio	Lower	Upper	
94	100		
65	30.6	12.5	52.5
66	51.0	28.9	68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF117063.D

Acq: 16 Sep 2019 15:18

Instrument :

BNA_F

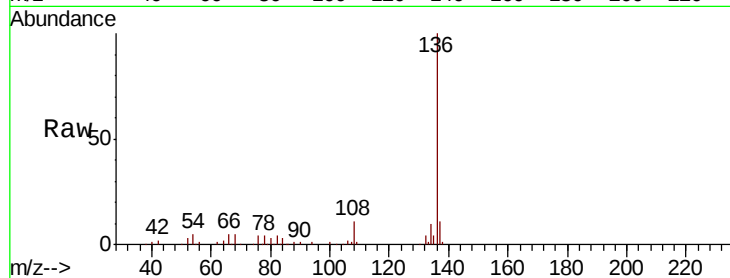
ClientSampleId :

RBR-200059-RT-1494

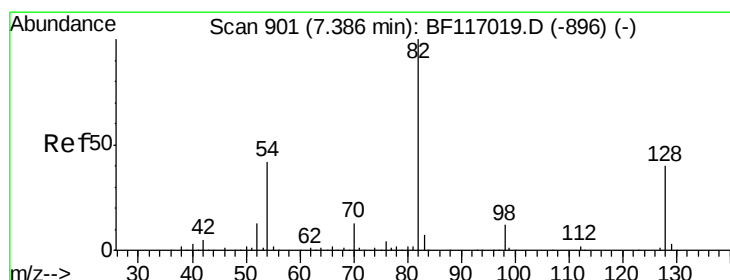
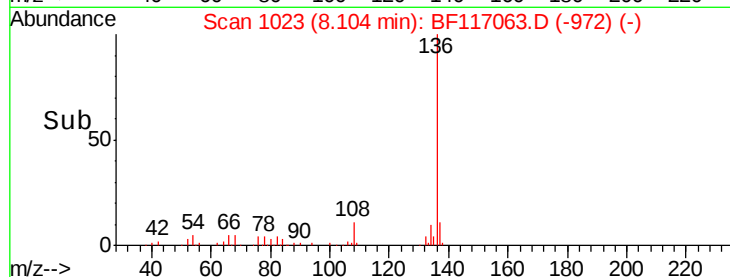
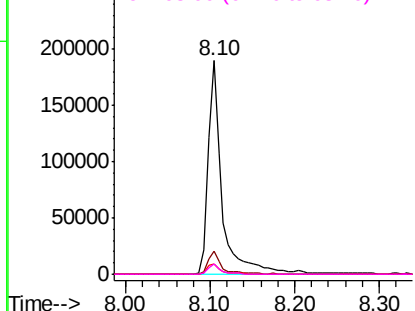
Tot Ion	Ratio	Resp	Lower	Upper
136	100	220422		
137	10.7		9.0	13.4
54	4.9		4.5	6.7
68	4.8		4.0	6.0

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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: 72.469 ng

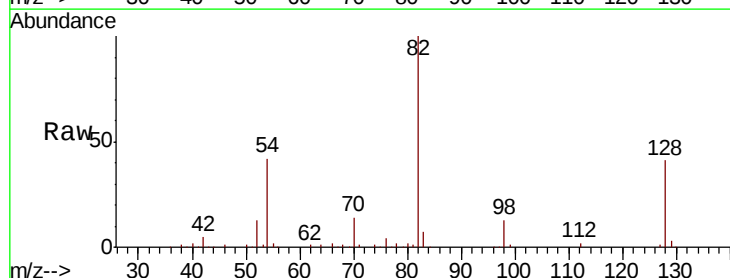
RT: 7.38 min Scan# 900

Delta R.T. -0.01 min

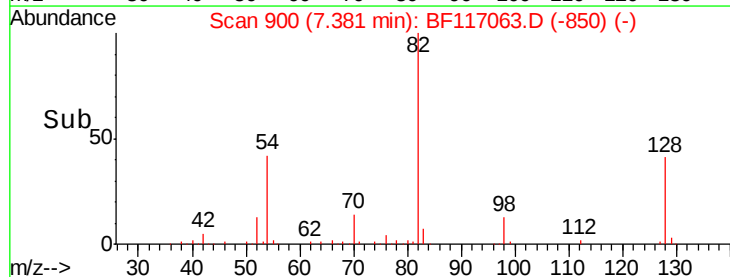
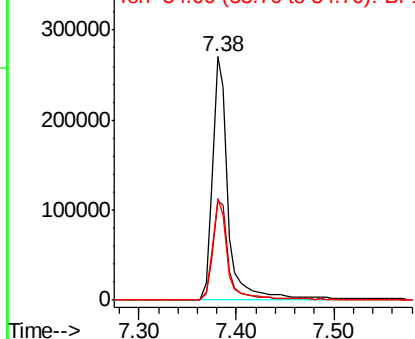
Lab File: BF117063.D

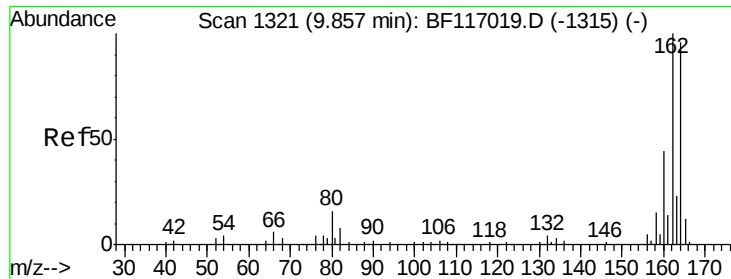
Acq: 16 Sep 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	304016		
128	40.9		32.3	48.5
54	41.8		33.3	49.9



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





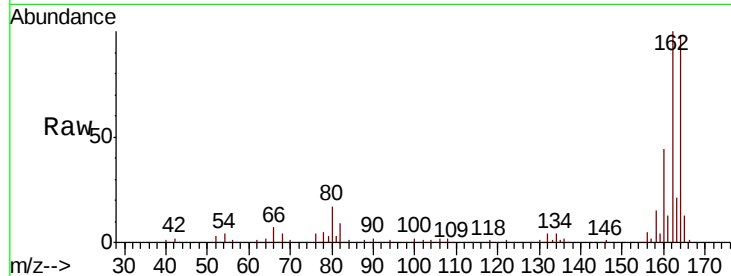
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117063.D
Acq: 16 Sep 2019 15:18

Instrument :
BNA_F
ClientSampleId :
RBR-200059-RT-1494

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.3	83.4	125.2	
160	45.4	36.4	54.6	

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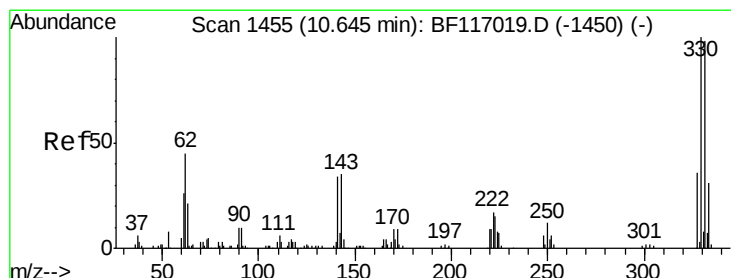
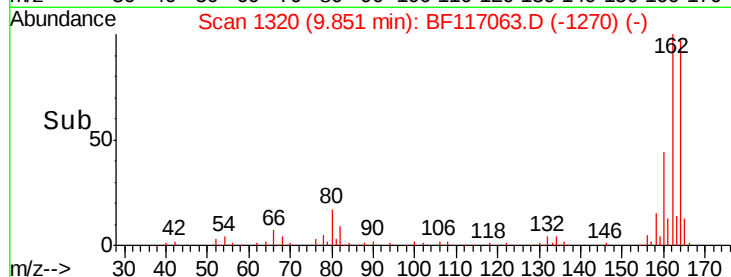
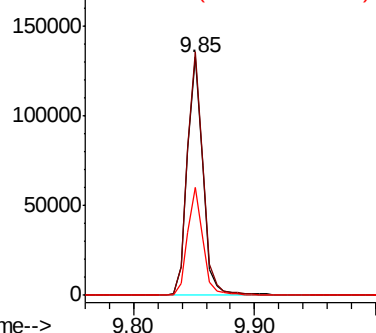


Abundance

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: 108.013 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117063.D
Acq: 16 Sep 2019 15:18

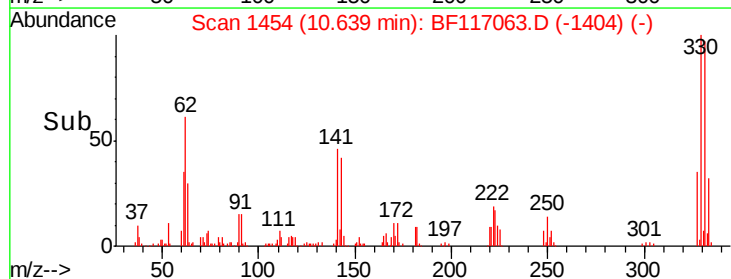
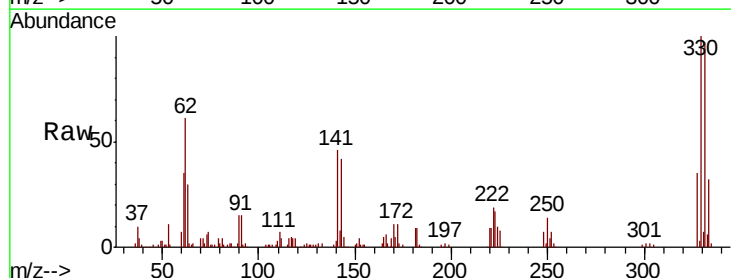
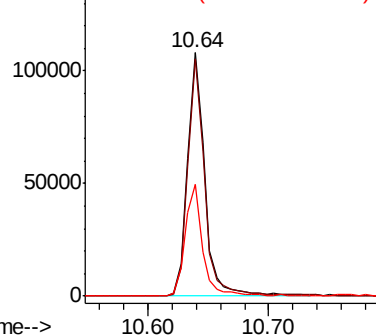
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.3	78.0	117.0	
141	46.3	35.8	53.6	

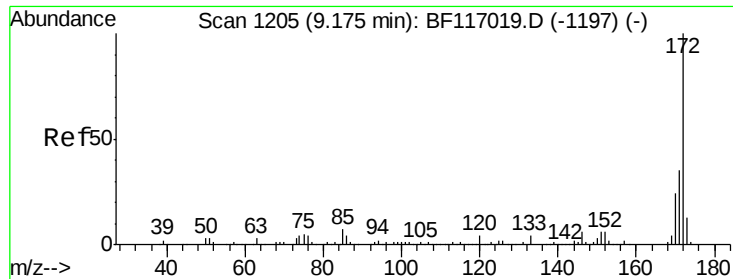
Abundance

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





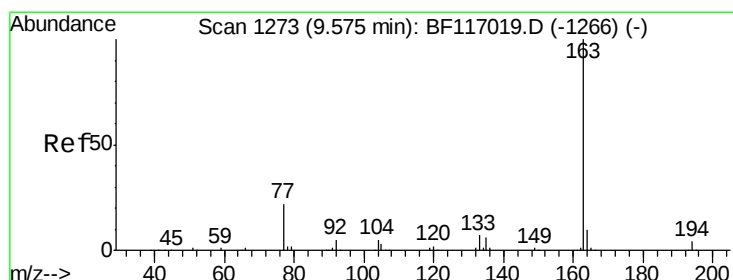
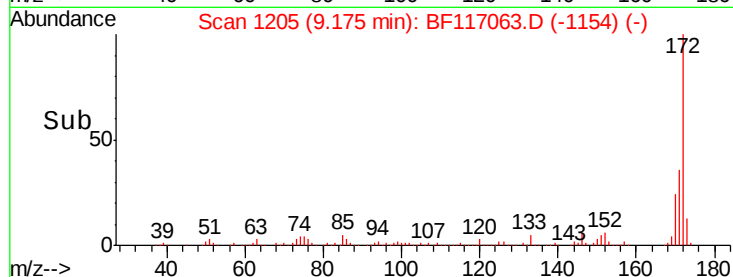
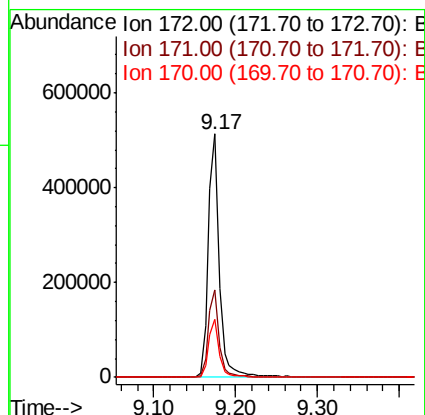
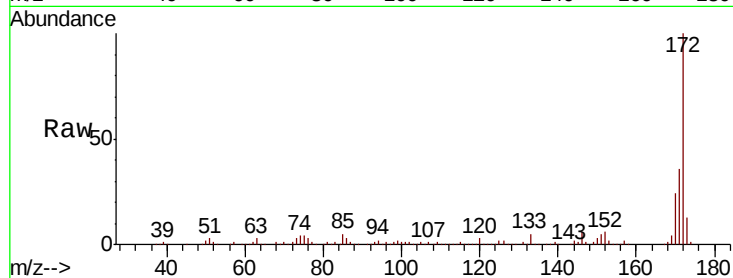
#45
2-Fluorobiphenyl
Concen: 64.784 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117063.D
Acq: 16 Sep 2019 15:18

Instrument :
BNA_F
ClientSampleId :
RBR-200059-RT-1494

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	23.7	18.9	28.3

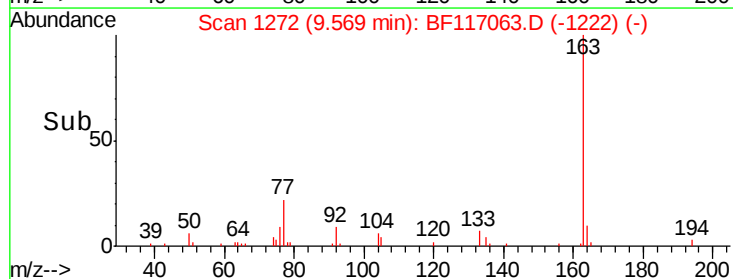
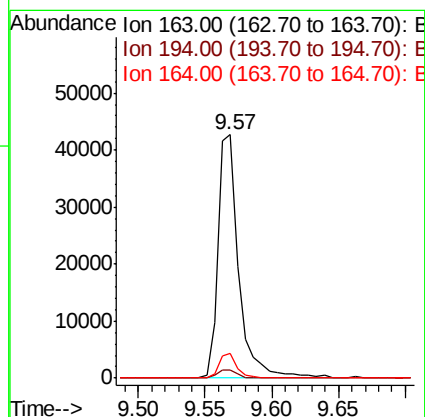
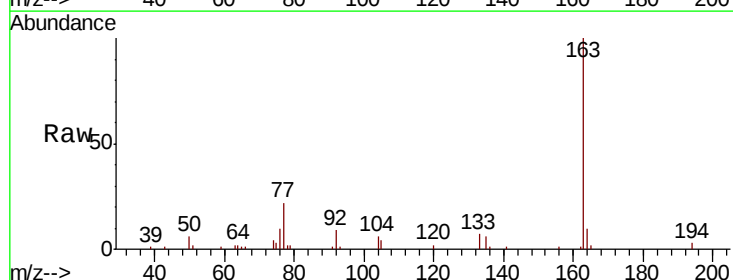
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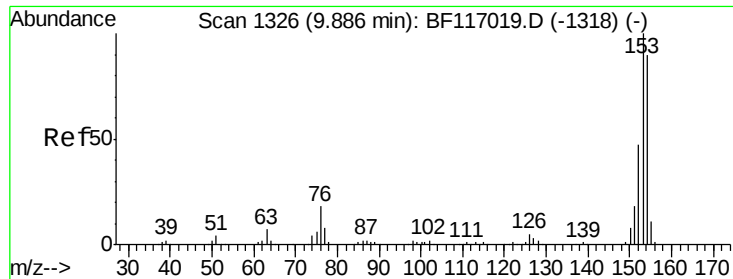
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#50
Dimethylphthalate
Concen: 5.640 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117063.D
Acq: 16 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.9	4.3
164	10.0	8.2	12.4





#52

Acenaphthene

Concen: 17.248 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF117063.D

Acq: 16 Sep 2019 15:18

Instrument :

BNA_F

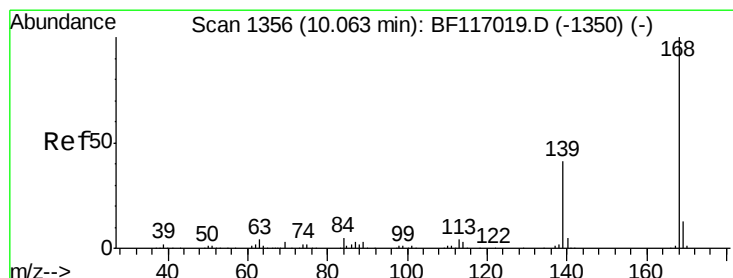
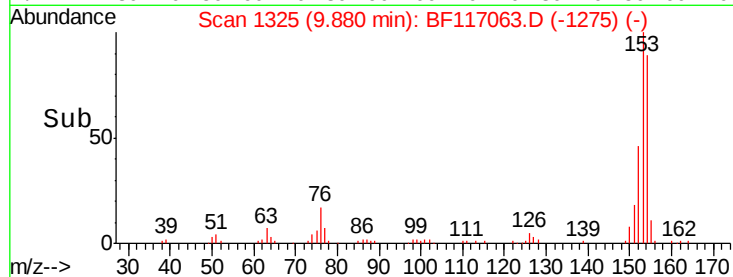
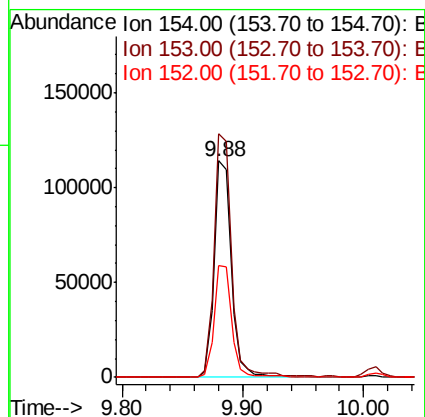
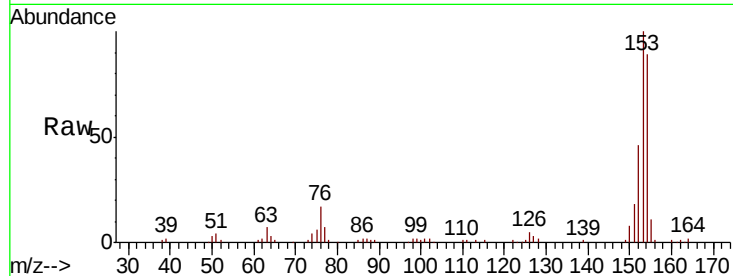
ClientSampleId :

RBR-200059-RT-1494

Tot Ion:	154	Resp:	111647
Ion Ratio	Lower	Upper	
154	100		
153	112.6	89.0	133.6
152	51.8	41.9	62.9

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#55

Dibenzofuran

Concen: 7.346 ng

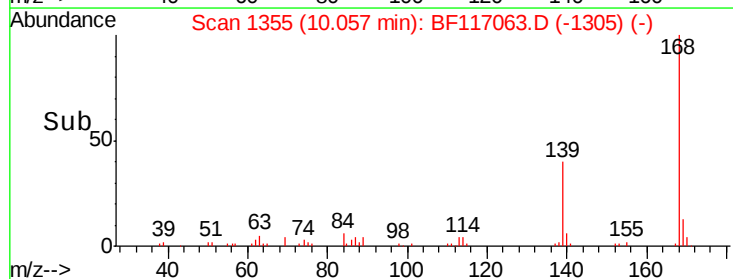
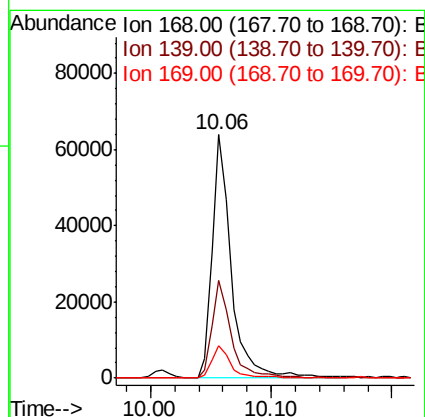
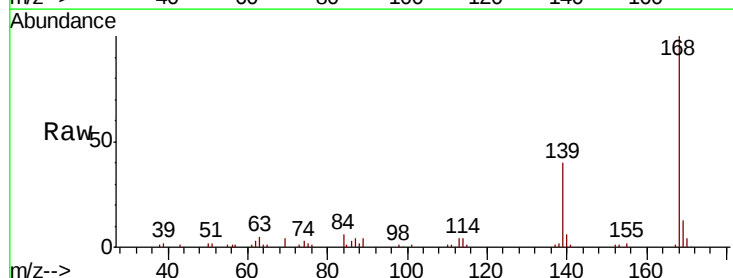
RT: 10.06 min Scan# 1355

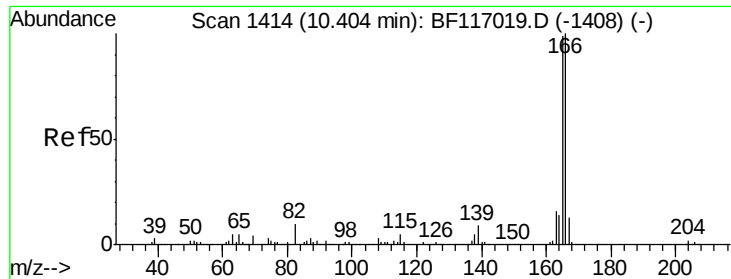
Delta R.T. -0.01 min

Lab File: BF117063.D

Acq: 16 Sep 2019 15:18

Tgt Ion:	168	Resp:	70154
Ion Ratio	Lower	Upper	
168	100		
139	40.2	32.8	49.2
169	13.2	10.5	15.7





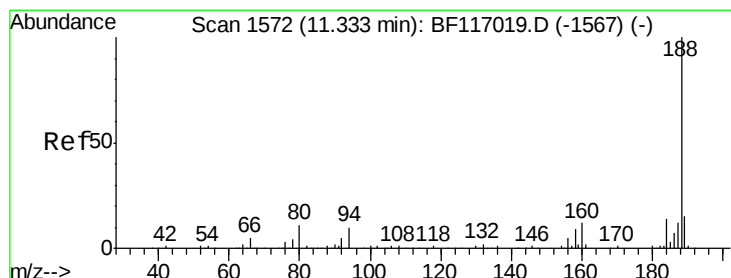
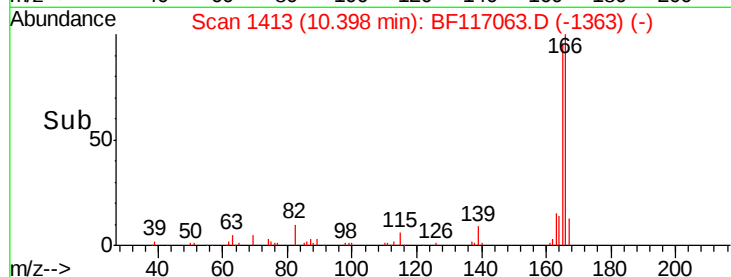
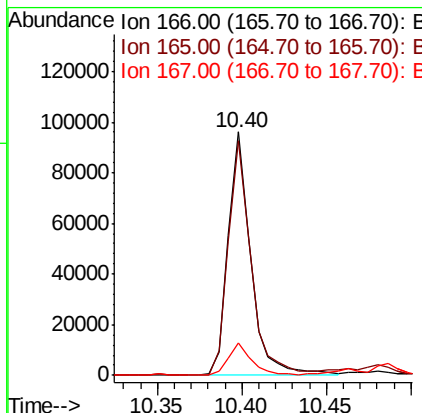
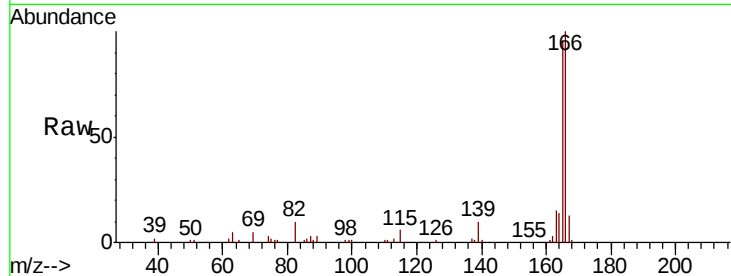
#58
 Fluorene
 Concen: 11.738 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BF117063.D
 Acq: 16 Sep 2019 15:18

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200059-RT-1494

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.4	78.9	118.3
167	13.3	10.6	15.8

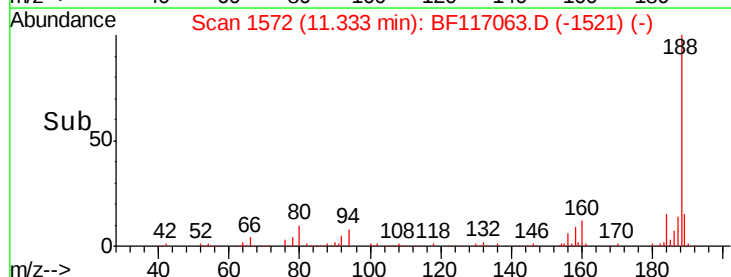
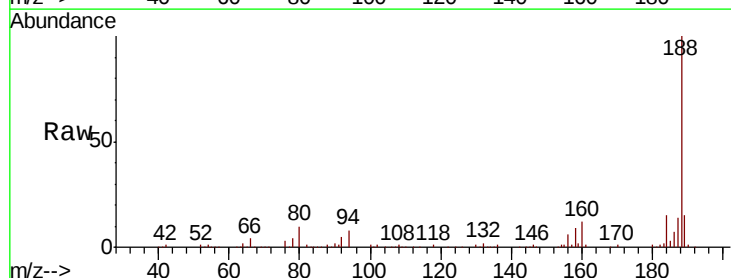
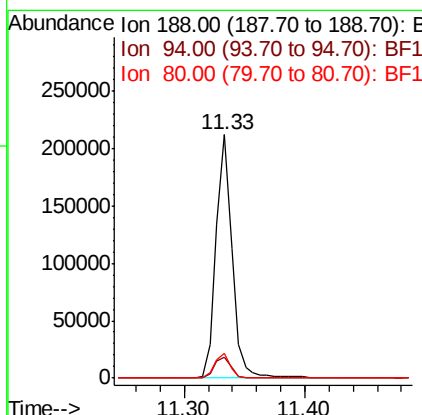
Manual Integrations
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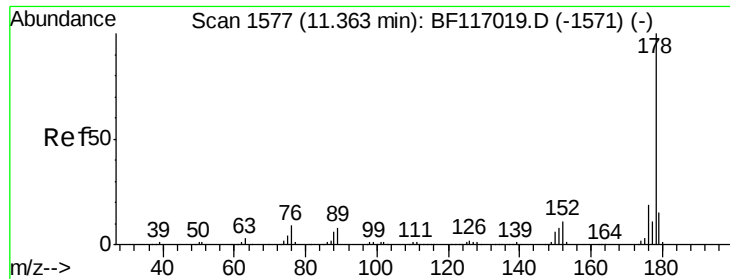
mohammad
 9/17/2019 1:25:37 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117063.D
 Acq: 16 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.2	12.2
80	10.4	9.0	13.6





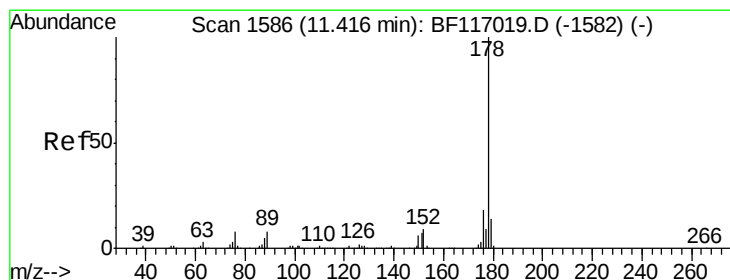
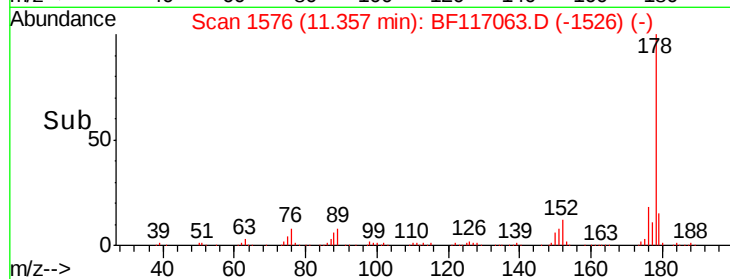
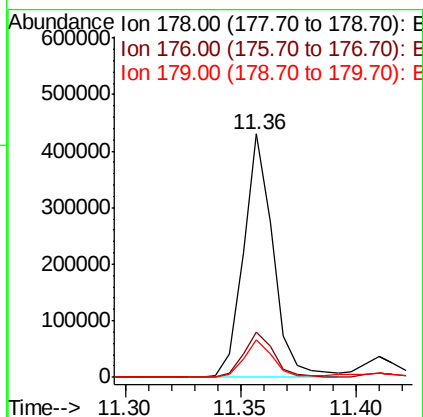
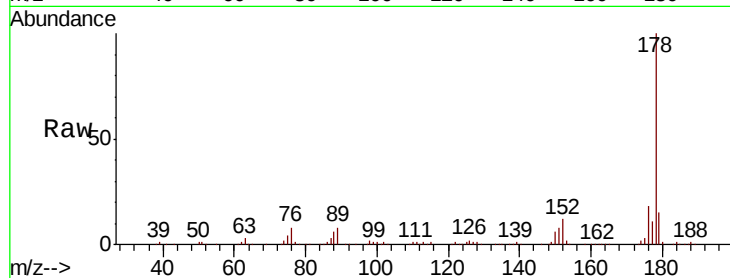
#71
Phenanthrene
Concen: 35.031 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117063.D
Acq: 16 Sep 2019 15:18

Instrument :
BNA_F
ClientSampleId :
RBR-200059-RT-1494

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.3	12.4	18.6

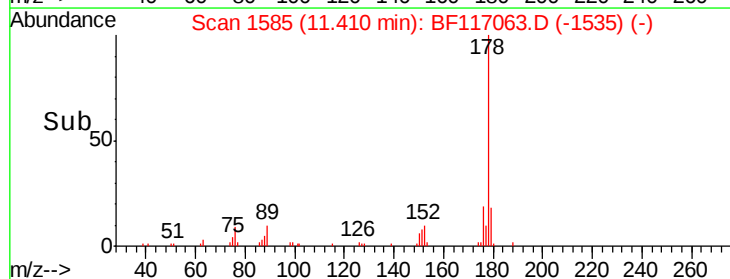
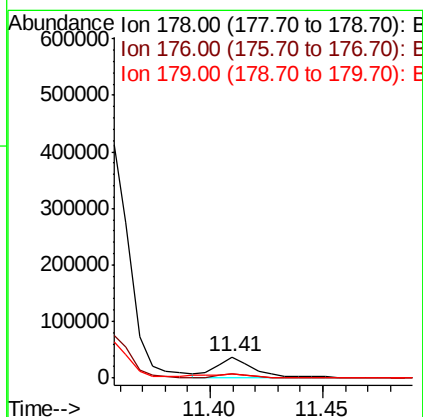
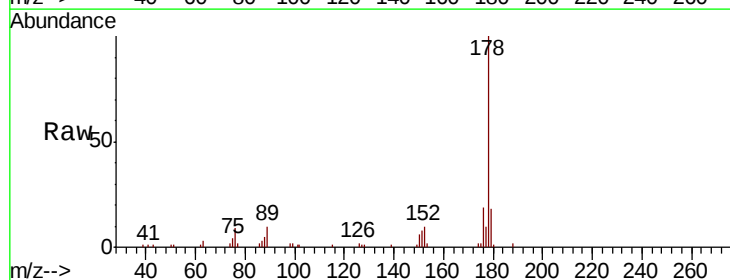
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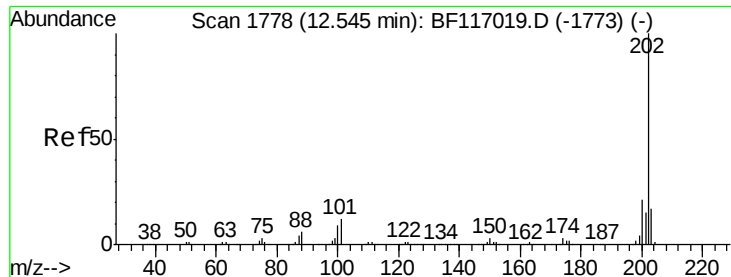
mohammad
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#72
Anthracene
Concen: 4.115 ng m
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117063.D
Acq: 16 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.6	21.8
179	18.0	11.6	17.4





#75

Fluoranthene

Concen: 31.223 ng

RT: 12.54 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF117063.D

Acq: 16 Sep 2019 15:18

Instrument :

BNA_F

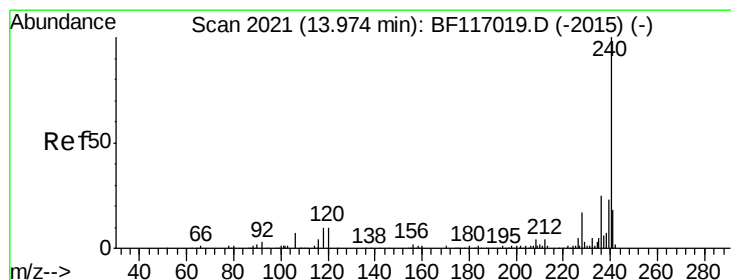
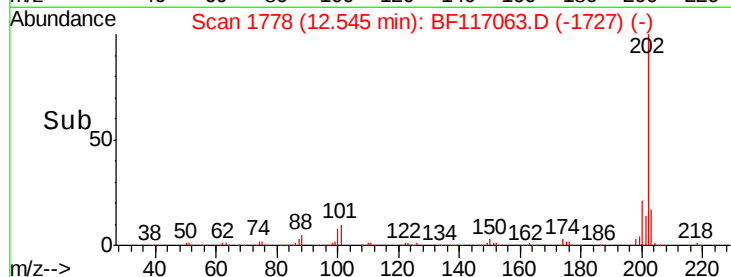
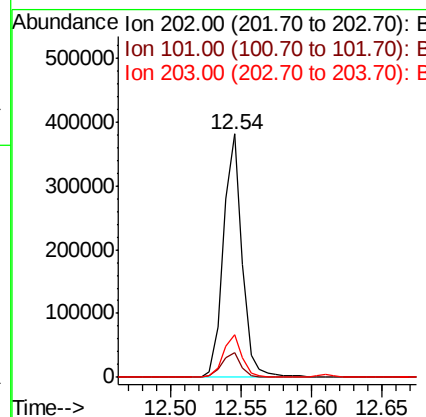
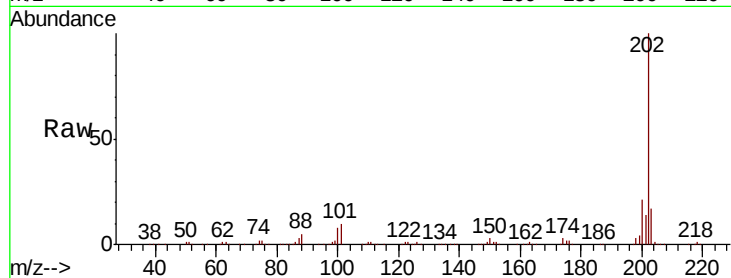
ClientSampleId :

RBR-200059-RT-1494

Tot Ion	Ratio	Resp	Lower	Upper
202	100	353019		
101	10.3		0.0	32.3
203	17.4		0.0	37.1

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#76

Chrysene-d12

Concen: 20.000 ng

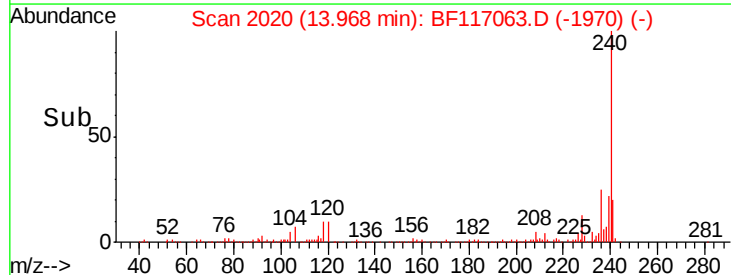
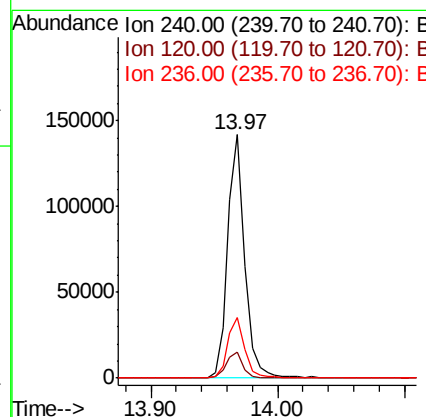
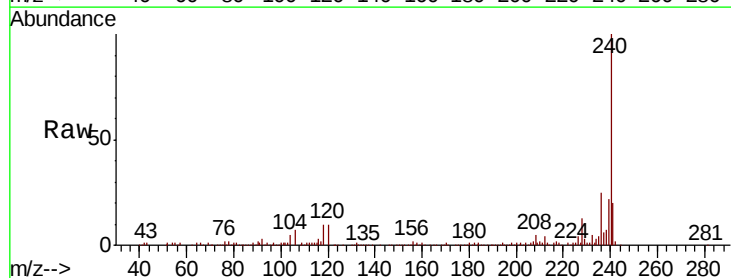
RT: 13.97 min Scan# 2020

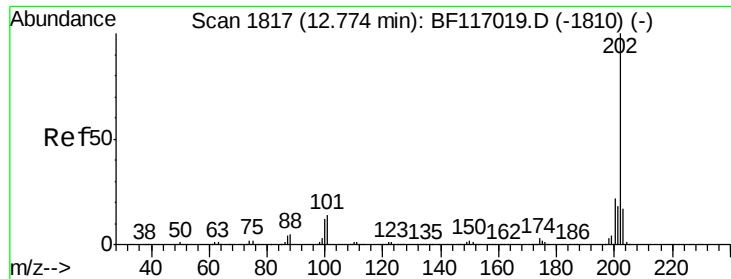
Delta R.T. -0.01 min

Lab File: BF117063.D

Acq: 16 Sep 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	133094		
120	10.5		8.3	12.5
236	24.9		20.3	30.5





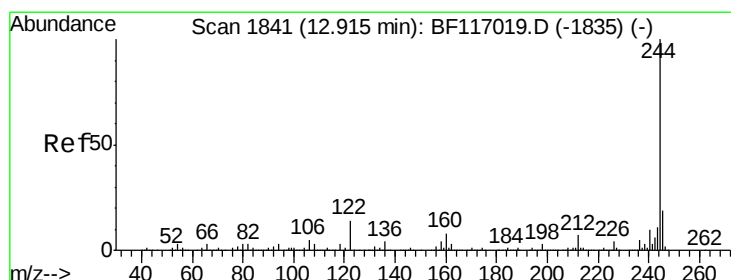
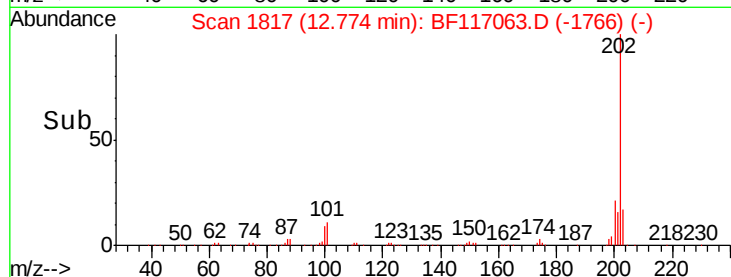
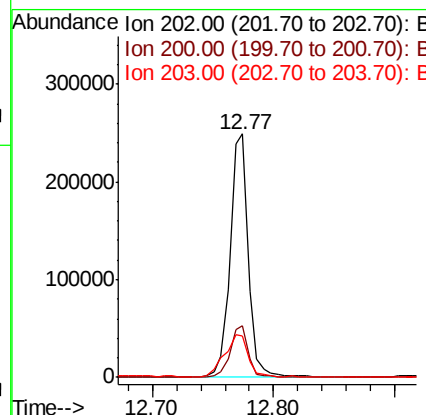
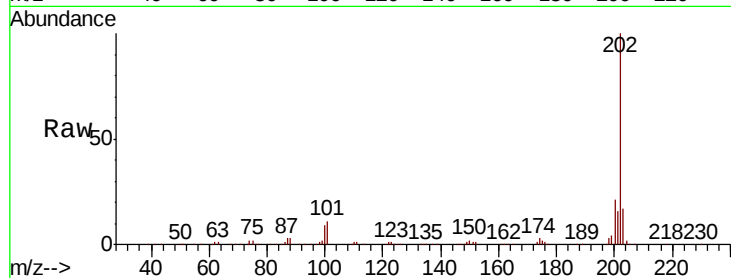
#78
Pvrene
Concen: 23.157 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117063.D
Acq: 16 Sep 2019 15:18

Instrument :
BNA_F
ClientSampleId :
RBR-200059-RT-1494

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.2	14.0	21.0

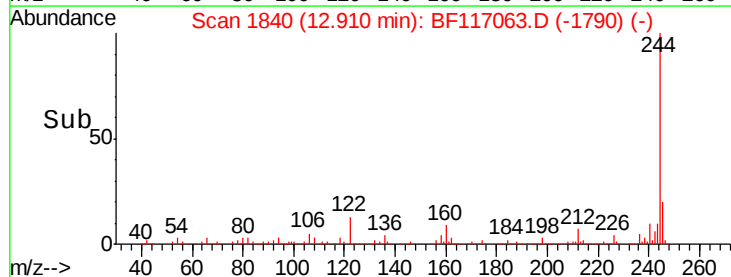
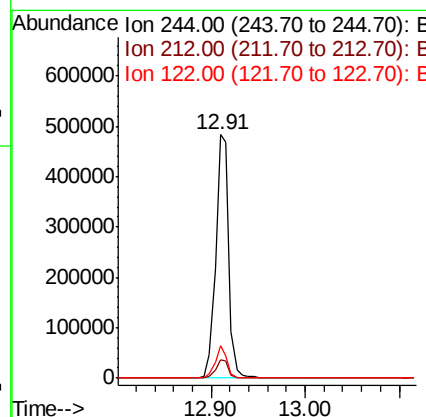
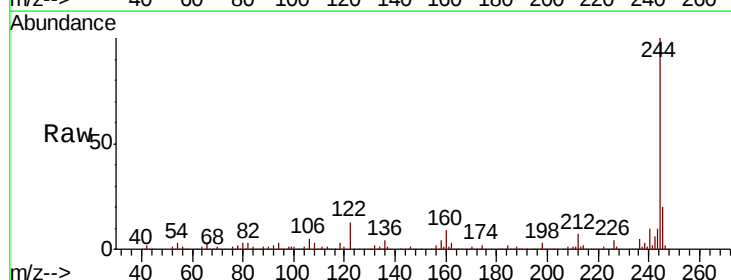
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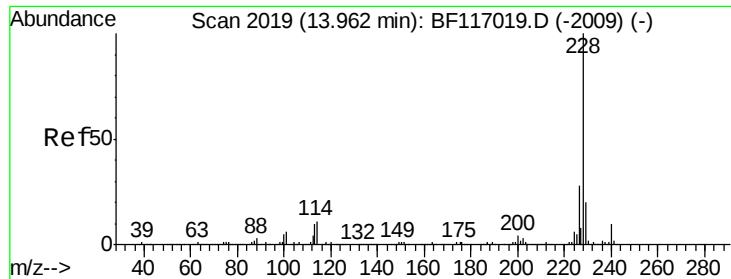
mohammad
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#79
Terphenyl-d14
Concen: 66.971 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117063.D
Acq: 16 Sep 2019 15:18

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.8	8.8
122	13.2	11.3	16.9





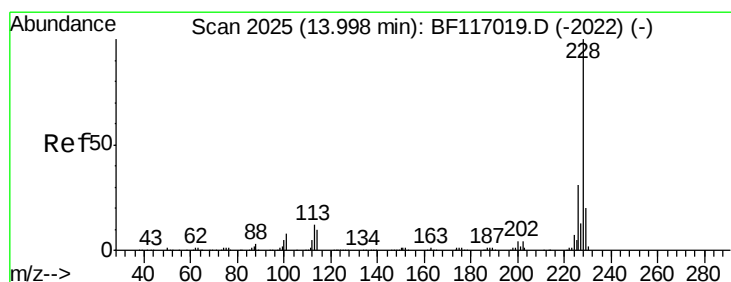
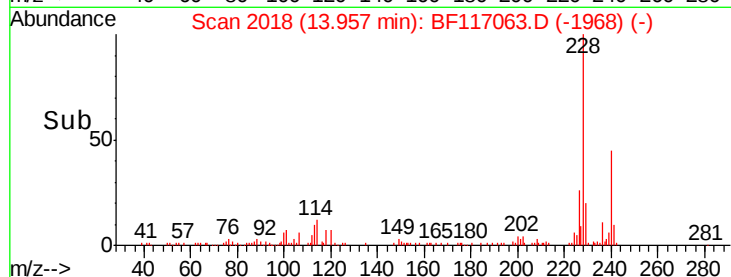
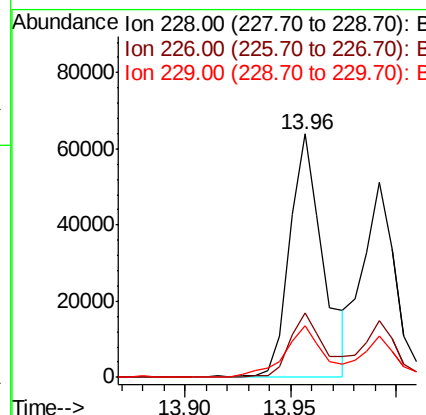
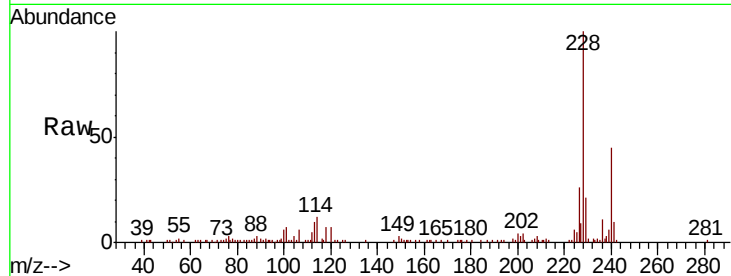
#81
Benzo(a)anthracene
Concen: 7.895 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117063.D
Acq: 16 Sep 2019 15:18

Instrument :
BNA_F
ClientSampleId :
RBR-200059-RT-1494

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.2	22.3	33.5
229	21.1	15.9	23.9

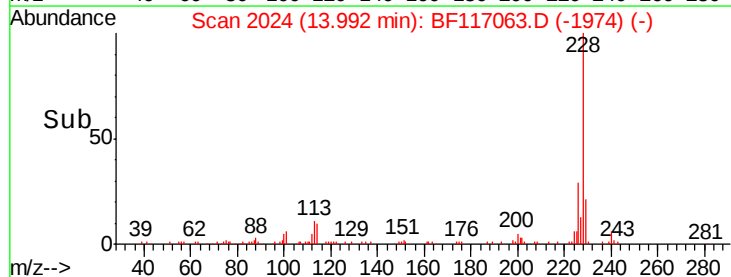
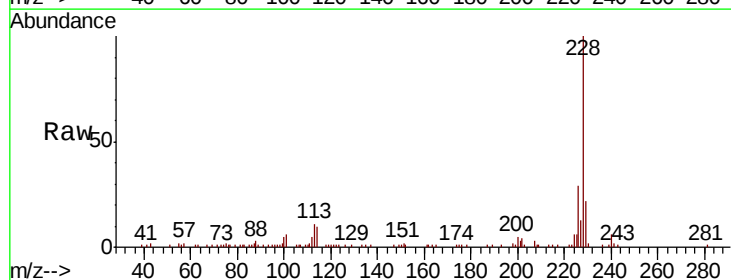
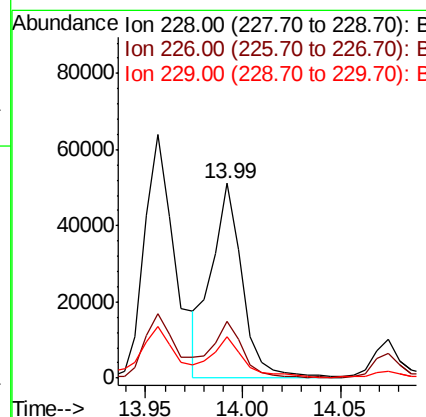
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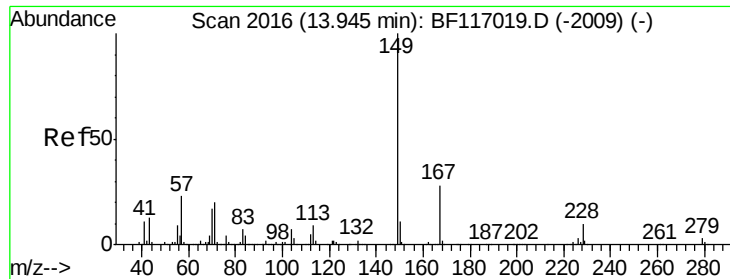
mohammad
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#83
Chrysene
Concen: 6.537 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117063.D
Acq: 16 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.8	37.2
229	21.5	15.8	23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.335 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF117063.D

Acq: 16 Sep 2019 15:18

Instrument :

BNA_F

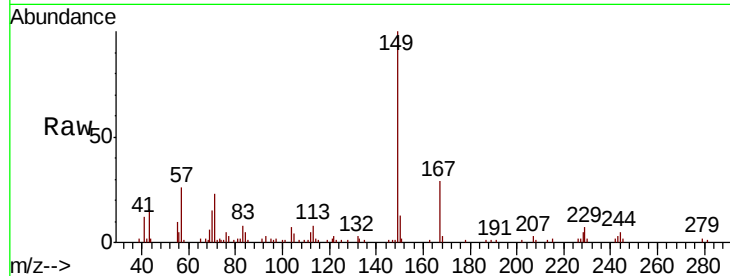
ClientSampleId :

RBR-200059-RT-1494

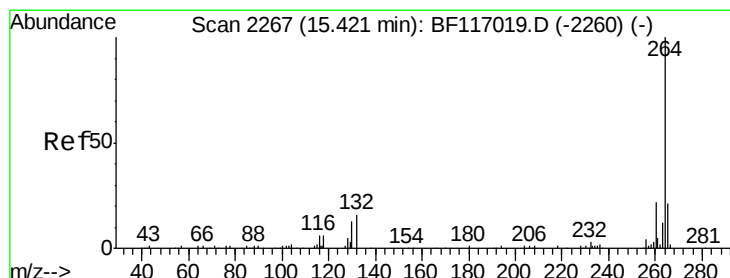
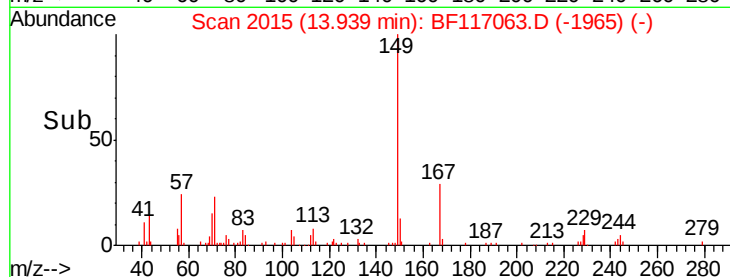
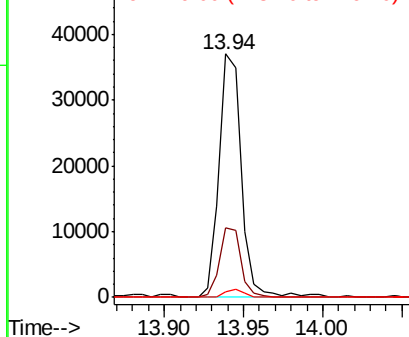
Tot Ion:	149	Resp:	36298
Ion Ratio	Lower	Upper	
149	100		
167	28.8	22.2	33.2
279	2.2	2.8	4.2#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

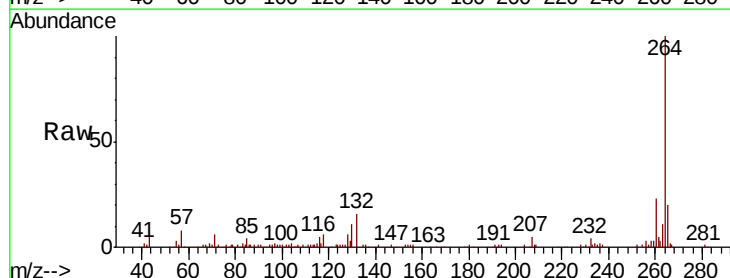
RT: 15.42 min Scan# 2267

Delta R.T. 0.00 min

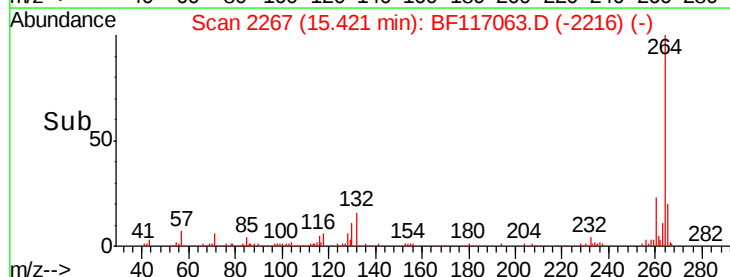
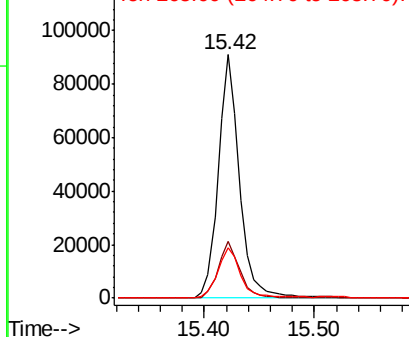
Lab File: BF117063.D

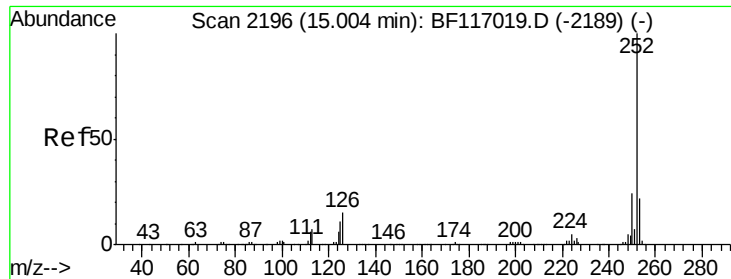
Acq: 16 Sep 2019 15:18

Tgt Ion:	264	Resp:	121478
Ion Ratio	Lower	Upper	
264	100		
260	23.2	17.6	26.4
265	20.5	16.6	24.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





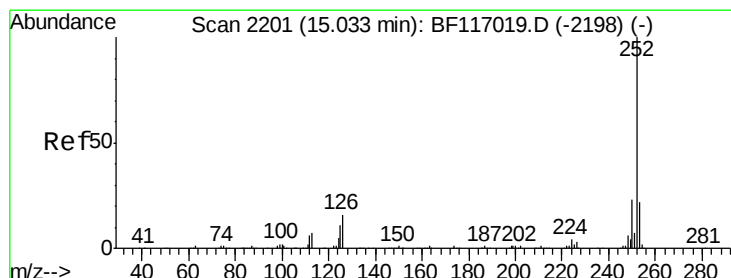
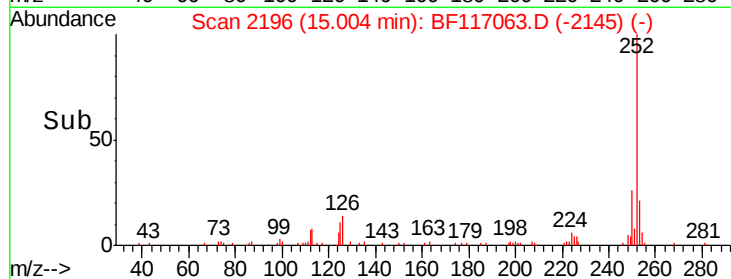
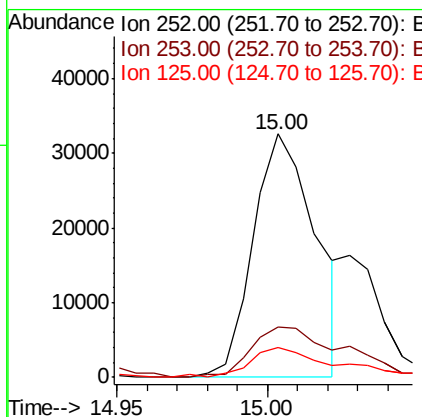
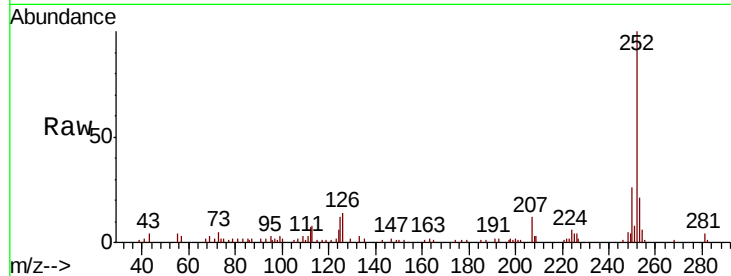
#88
Benzo(b)fluoranthene
Concen: 6.402 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF117063.D
Acq: 16 Sep 2019 15:18

Instrument :
BNA_F
ClientSampleId :
RBR-200059-RT-1494

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.6	26.4
125	12.2	8.6	12.8

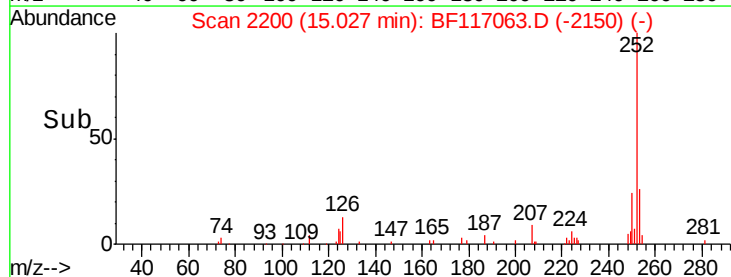
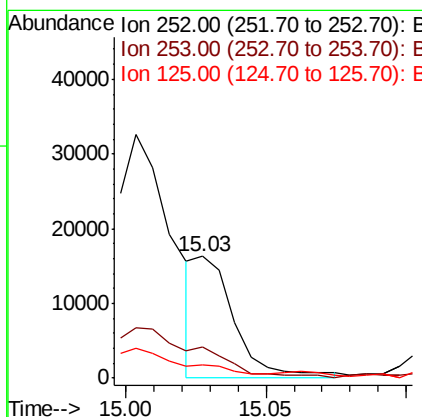
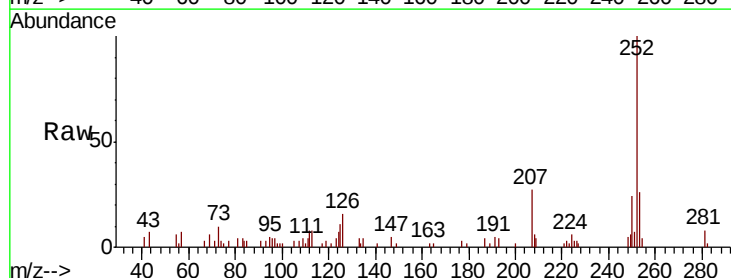
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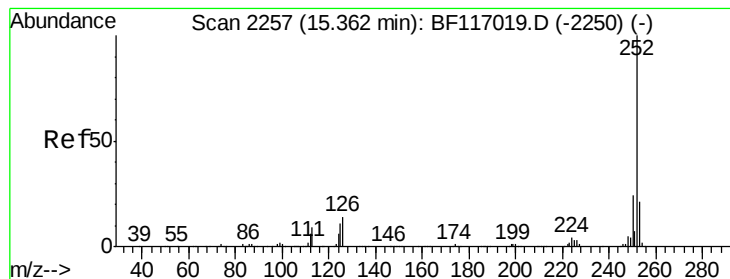
mohammad
9/17/2019 1:25:37 PM



#89
Benzo(k)fluoranthene
Concen: 2.295 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF117063.D
Acq: 16 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.4	26.2
125	11.3	8.8	13.2





#90

Benzo(a)pyrene

Concen: 3.765 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF117063.D

Acq: 16 Sep 2019 15:18

Instrument :

BNA_F

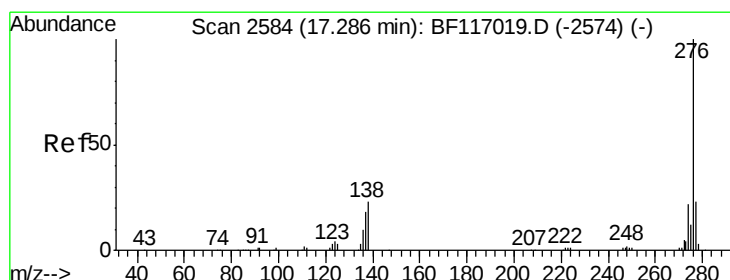
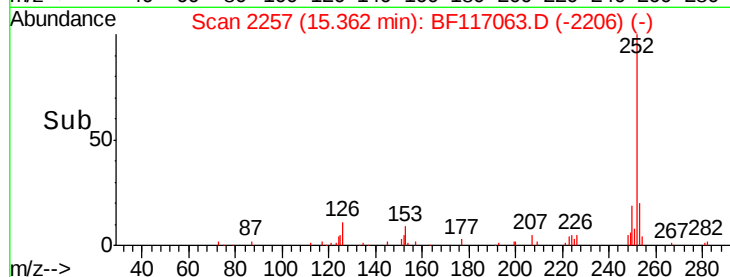
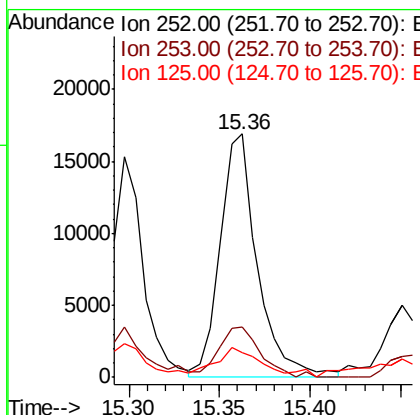
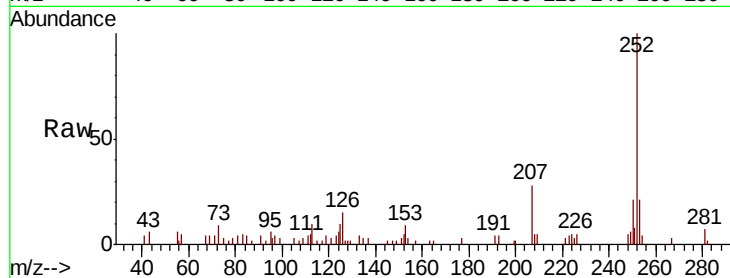
ClientSampleId :

RBR-200059-RT-1494

Tot Ion:	252	Resp:	24313
Ion Ratio	Lower	Upper	
252	100		
253	20.6	16.6	25.0
125	10.2	8.9	13.3

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#92

Benzo(g,h,i)perylene

Concen: 2.233 ng

RT: 17.29 min Scan# 2584

Delta R.T. 0.00 min

Lab File: BF117063.D

Acq: 16 Sep 2019 15:18

Tgt Ion:	276	Resp:	11445
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.6	27.8
138	23.4	18.0	27.0

