

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\
 Data File : BF115996.D
 Acq On : 5 Aug 2019 22:41
 Operator : HP/JU
 Sample : K4156-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200035

Manual Integrations
 APPROVED

mohammad
 8/8/2019 4:46:25 PM

Quant Time: Aug 06 04:33:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	130419	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	502740	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	268046	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	439325	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	272167	20.00	ng	-0.02
87) Perylene-d12	15.46	264	339759	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	597782	76.73	ng	0.00
7) Phenol-d6	6.47	99	793125	80.69	ng	-0.01
23) Nitrobenzene-d5	7.40	82	493686	56.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	193558	74.48	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	925914	64.70	ng	-0.02
79) Terphenyl-d14	12.94	244	876895	67.89	ng	-0.02
Target Compounds						Qvalue
50) Dimethylphthalate	9.59	163	69012	3.781	ng	99
52) Acenaphthene	9.91	154	33327	2.364	ng	97
58) Fluorene	10.43	166	32860	2.083	ng	96
71) Phenanthrene	11.39	178	276435	12.308	ng	98
72) Anthracene	11.44	178	51880m	2.282	ng	
75) Fluoranthene	12.58	202	554577	23.586	ng	100
78) Pyrene	12.81	202	438597	21.378	ng	98
81) Benzo(a)anthracene	13.99	228	173144	9.953	ng	100
83) Chrysene	14.03	228	193881	11.480	ng	98
86) Indeno(1,2,3-cd)pyrene	16.93	276	143548	10.120	ng	95
88) Benzo(b)fluoranthene	15.04	252	282880m	14.399	ng	
89) Benzo(k)fluoranthene	15.07	252	95625m	4.997	ng	
90) Benzo(a)pyrene	15.40	252	171993	9.794	ng	98
91) Dibenzo(a,h)anthracene	16.93	278	34075	2.242	ng	# 82
92) Benzo(a,h,i)perylene	17.37	276	136471	9.141	ng	100

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



#1

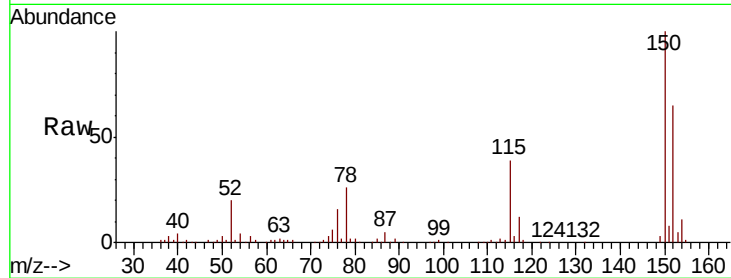
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF115996.D
Acq: 5 Aug 2019 22:41

Instrument :
BNA_F
ClientSampled :
RBR-200035

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	127.4	191.0
115	59.8	51.8	77.8

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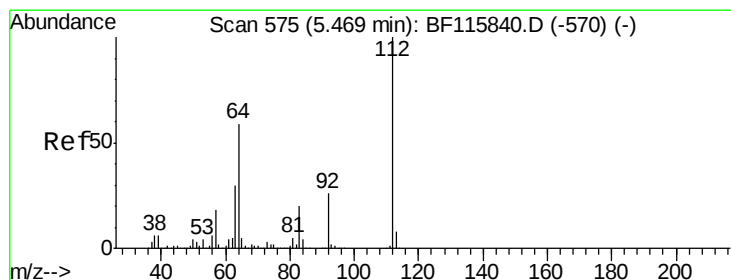
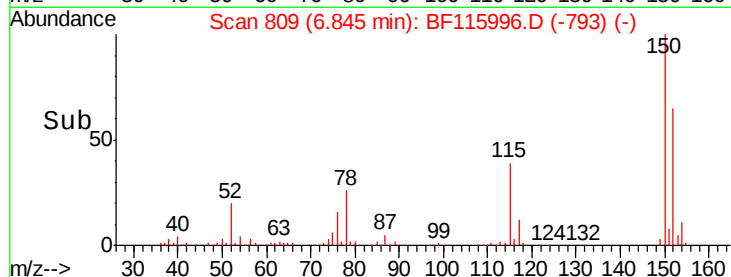
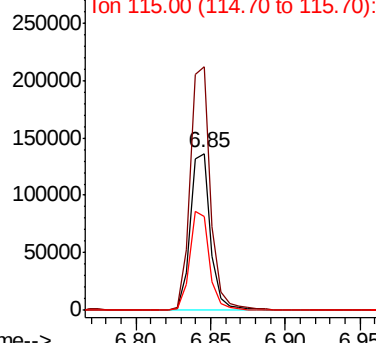


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

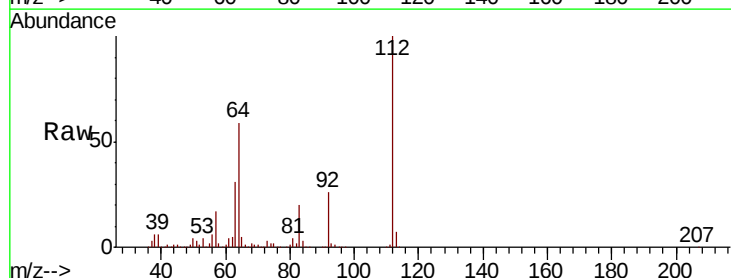
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 76.731 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF115996.D
Acq: 5 Aug 2019 22:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	46.8	70.2
63	30.7	24.2	36.2

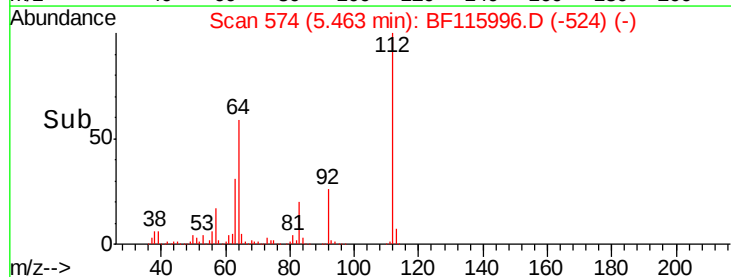
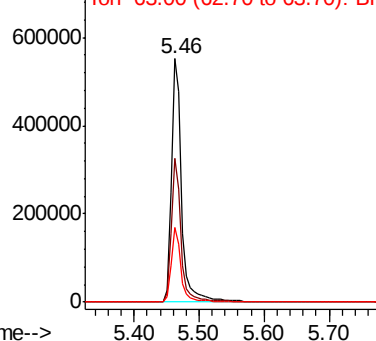


Abundance

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: 80.691 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF115996.D

Acq: 5 Aug 2019 22:41

Instrument :

BNA_F

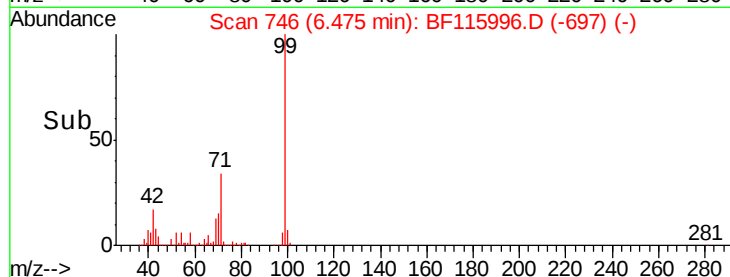
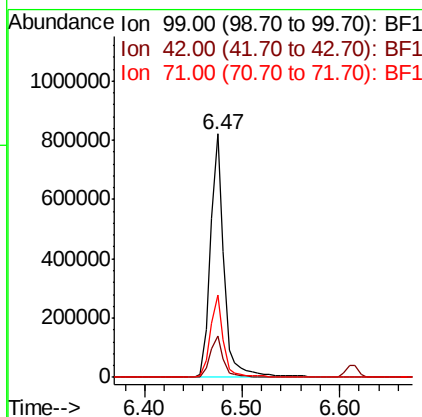
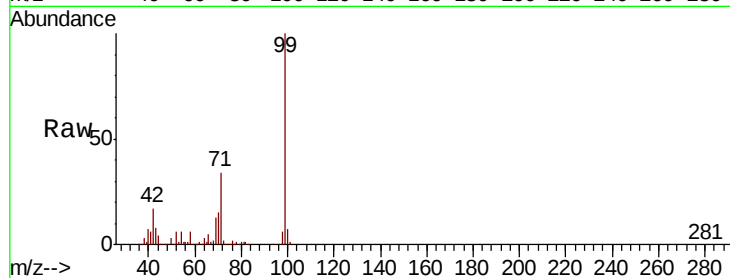
ClientSampleId :

RBR-200035

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		793125		
42	16.9	13.8	20.6		
71	33.8	27.1	40.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

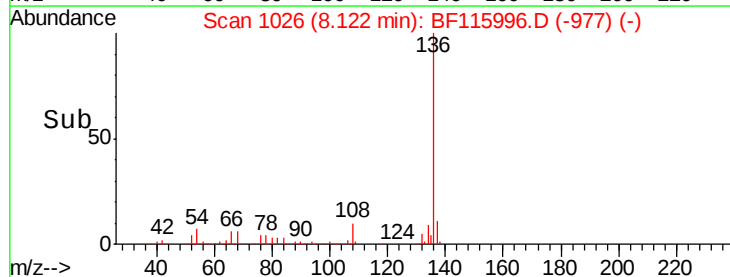
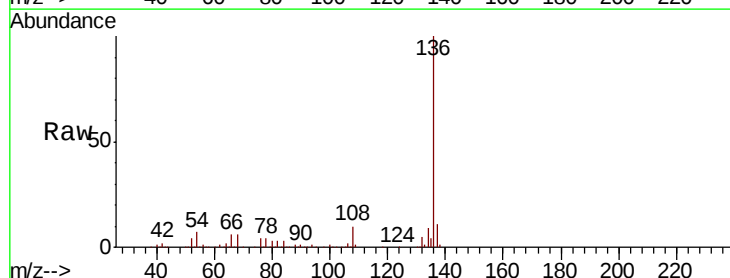
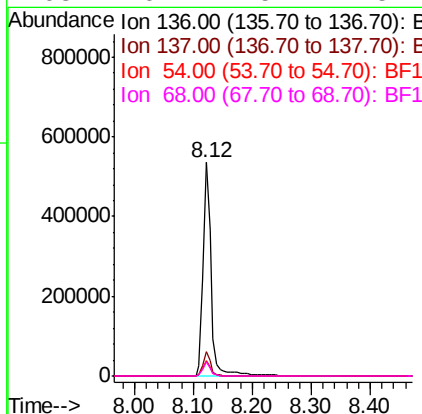
RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF115996.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		502740		
137	11.2	9.1	13.7		
54	7.2	6.1	9.1		
68	6.4	5.4	8.2		





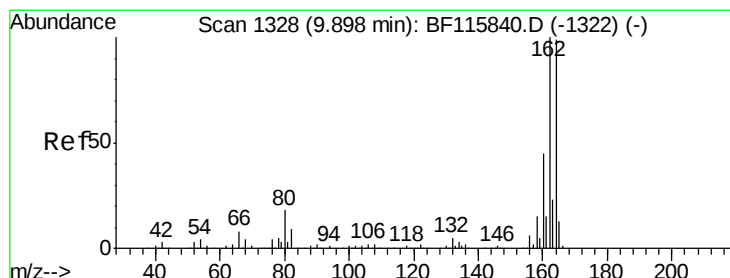
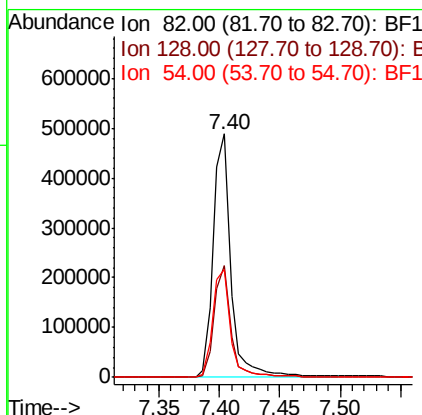
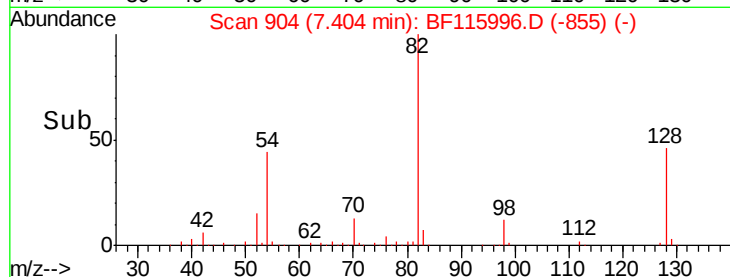
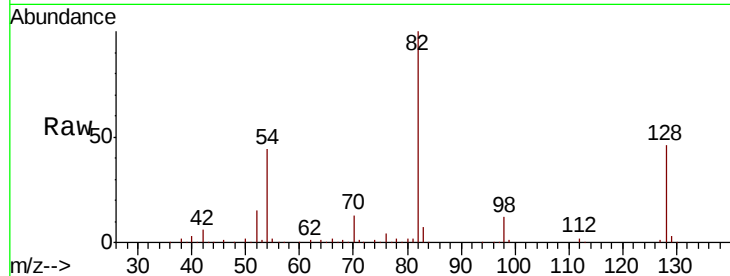
#23
Nitrobenzene-d5
Concen: 56.684 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF115996.D
Acq: 5 Aug 2019 22:41

Instrument :
BNA_F
ClientSampleId :
RBR-200035

Tot Ion	Ratio	Resp	Lower	Upper
82	100	493686		
128	46.1	36.6	55.0	
54	44.4	36.6	55.0	

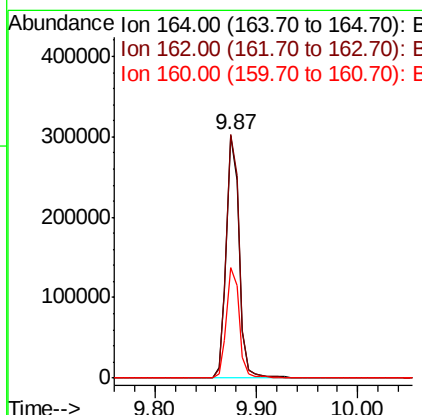
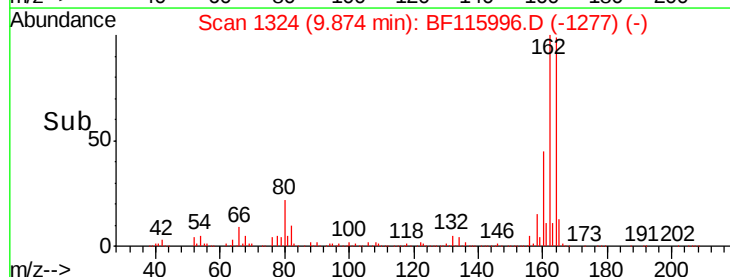
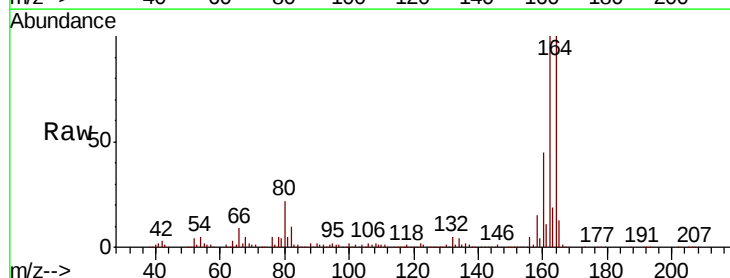
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF115996.D
Acq: 5 Aug 2019 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	268046		
162	100.4	80.8	121.2	
160	45.5	36.2	54.4	





#42

2,4,6-Tribromophenol

Concen: 74.480 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF115996.D

Acq: 5 Aug 2019 22:41

Instrument :

BNA_F

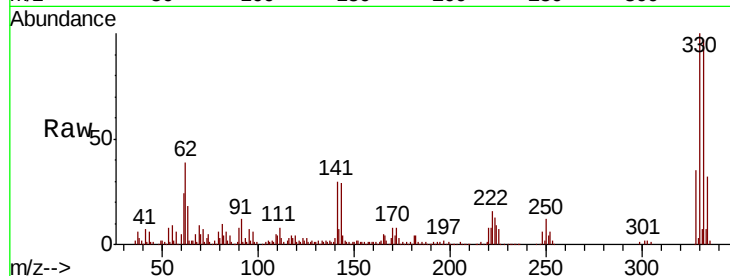
ClientSampled :

RBR-200035

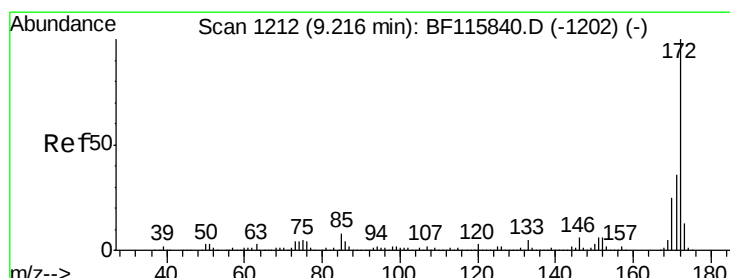
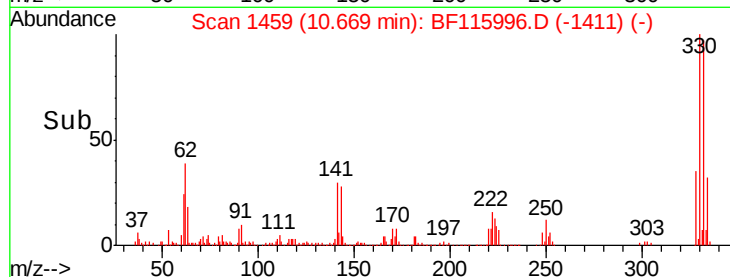
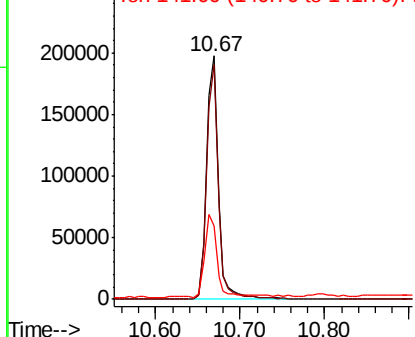
Tot Ion:	330	Resp:	193558
Ion Ratio	Lower	Upper	
330	100		
332	95.3	77.7	116.5
141	35.1	28.1	42.1

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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: 64.702 ng

RT: 9.20 min Scan# 1209

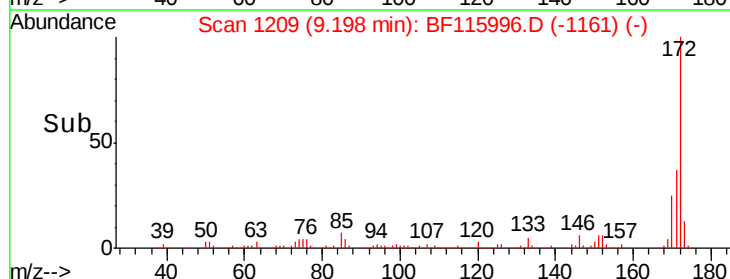
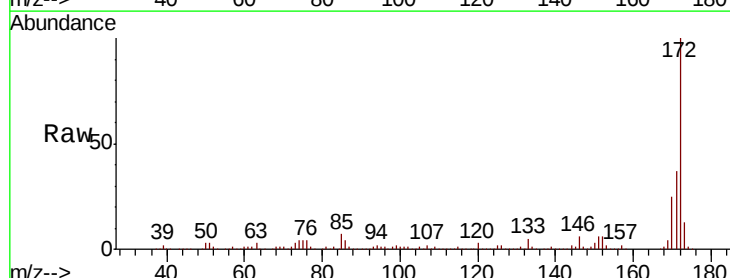
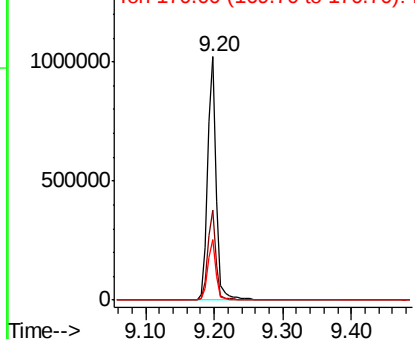
Delta R.T. -0.02 min

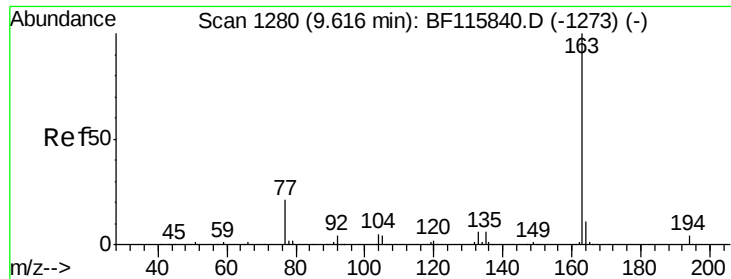
Lab File: BF115996.D

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Tgt Ion:	172	Resp:	925914
Ion Ratio	Lower	Upper	
172	100		
171	37.0	29.1	43.7
170	25.0	20.1	30.1

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





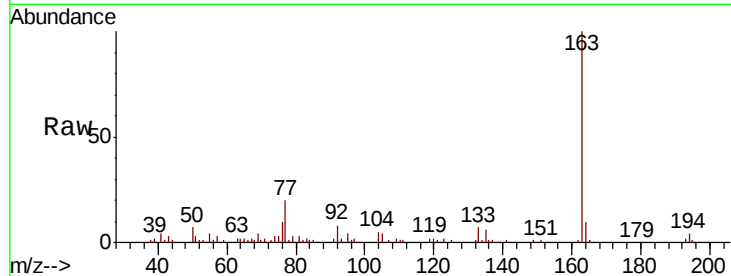
#50
Dimethylphthalate
Concen: 3.781 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF115996.D
Acq: 5 Aug 2019 22:41

Instrument :
BNA_F
ClientSampleId :
RBR-200035

Tot Ion	Ratio	Resp	Lower	Upper
163	100	69012		
194	4.4		3.0	4.6
164	10.4		8.4	12.6

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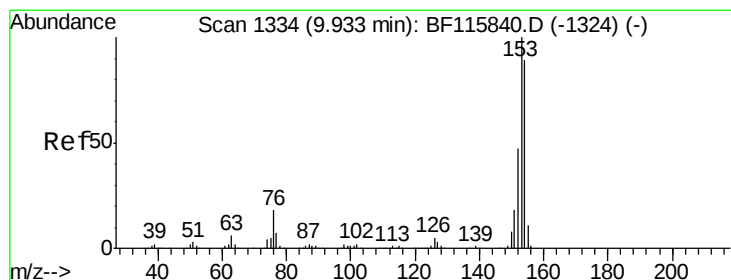
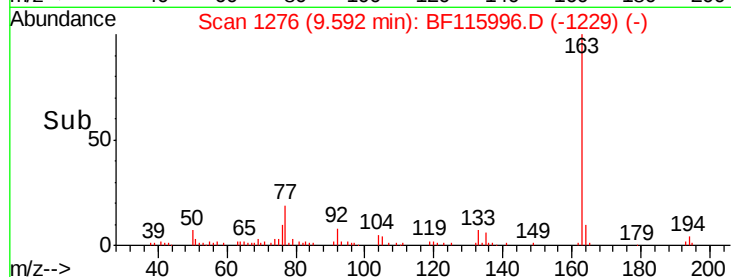
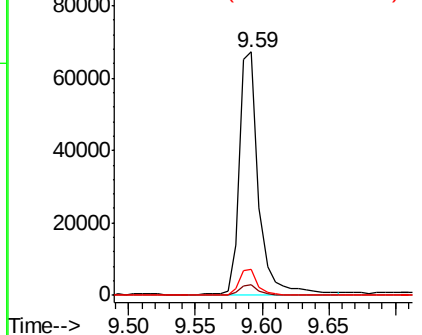


Abundance

Ion 163.00 (162.70 to 163.70): E

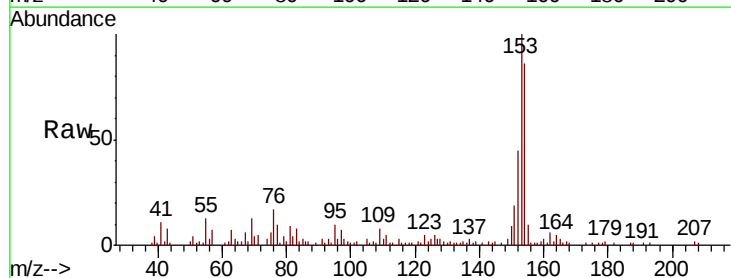
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 2.364 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.02 min
Lab File: BF115996.D
Acq: 5 Aug 2019 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	33327		
153	116.4		90.1	135.1
152	52.3		42.6	63.8

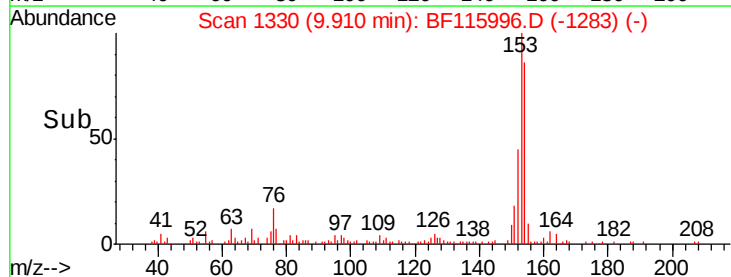
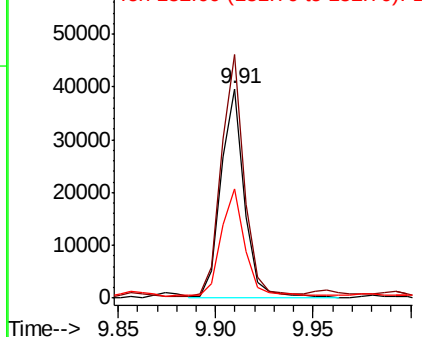


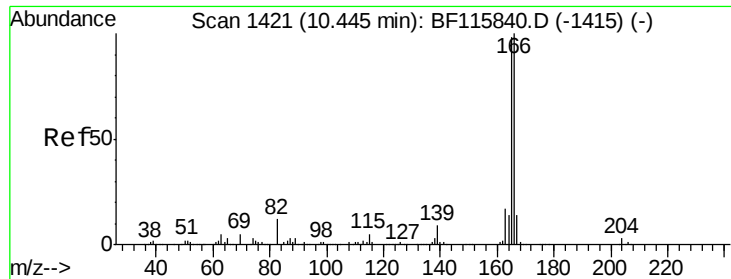
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





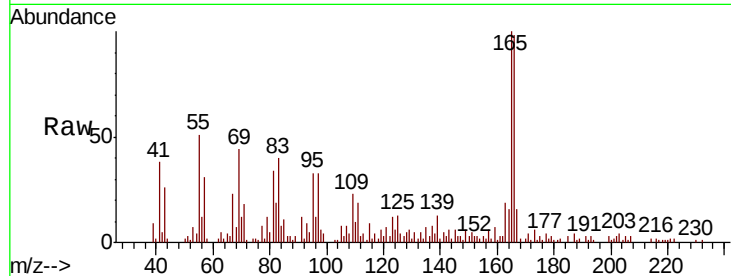
#58
 Fluorene
 Concen: 2.083 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: BF115996.D
 Acq: 5 Aug 2019 22:41

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200035

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.9	78.6	118.0
167	16.0	10.9	16.3

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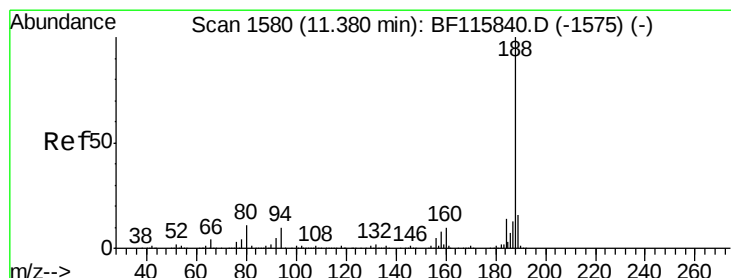
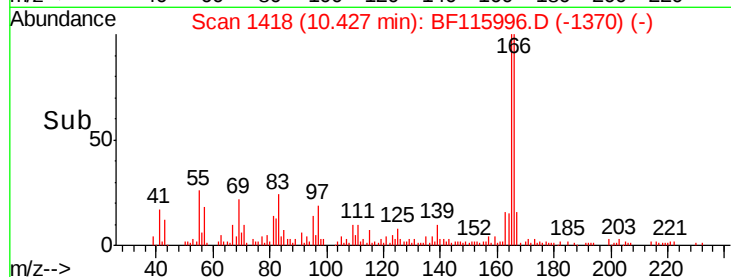
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF115996.D
 Acq: 5 Aug 2019 22:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.0	12.0
80	11.5	8.6	12.8

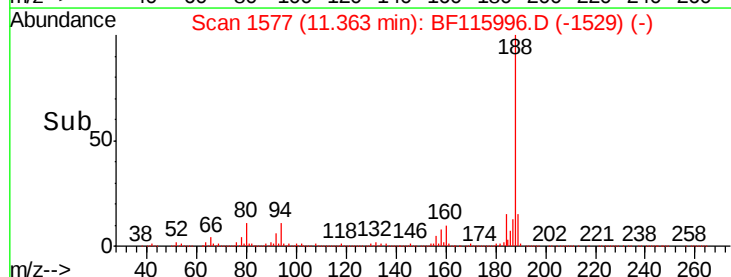
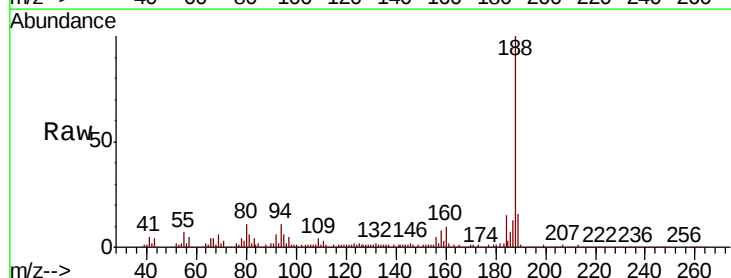
Abundance

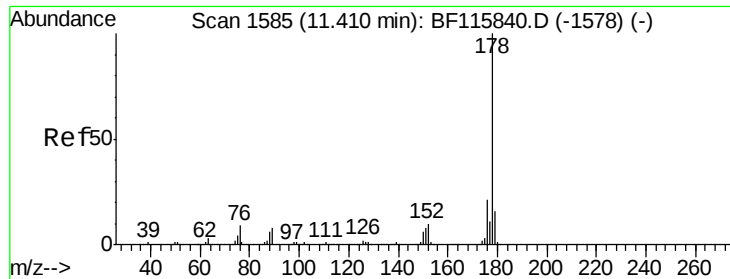
Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->





#71

Phenanthrene

Concen: 12.308 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.02 min

Lab File: BF115996.D

Acq: 5 Aug 2019 22:41

Instrument :

BNA_F

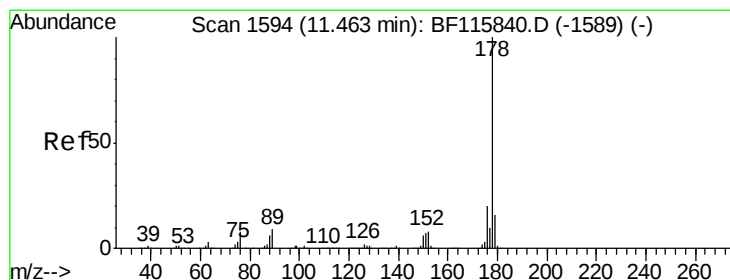
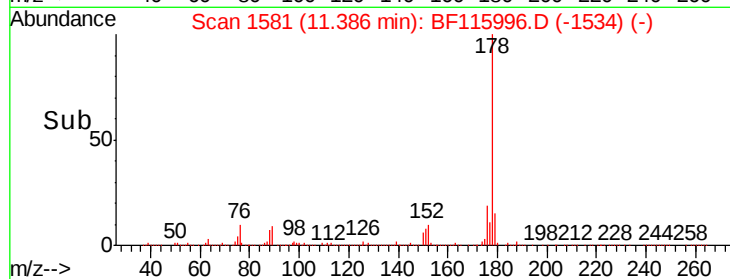
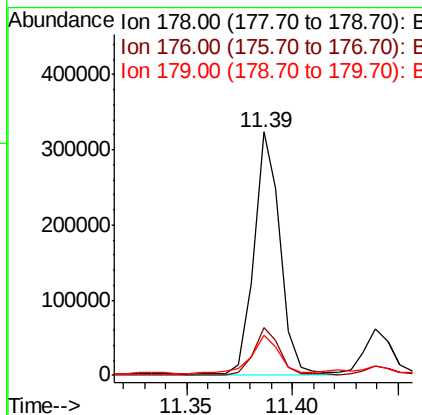
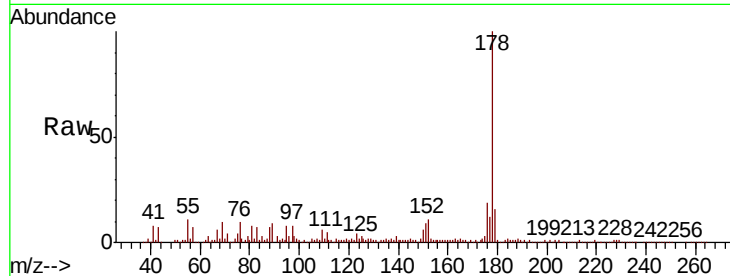
ClientSampleId :

RBR-200035

Tot Ion:178	Resp:	276435
Ion Ratio	Lower	Upper
178	100	
176	19.5	16.5 24.7
179	16.5	12.6 18.8

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#72

Anthracene

Concen: 2.282 ng m

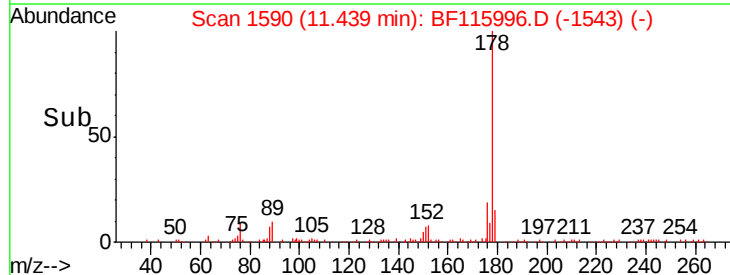
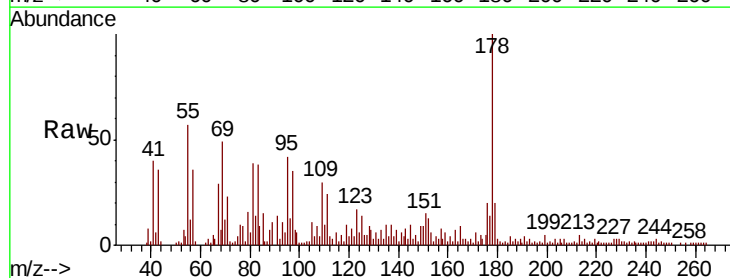
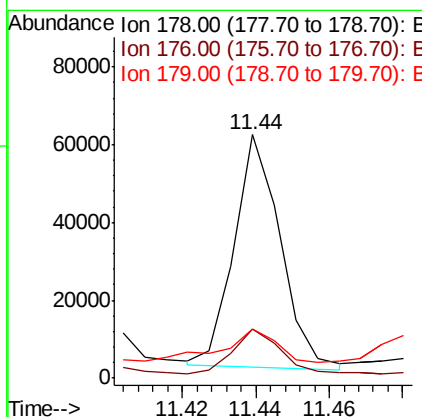
RT: 11.44 min Scan# 1590

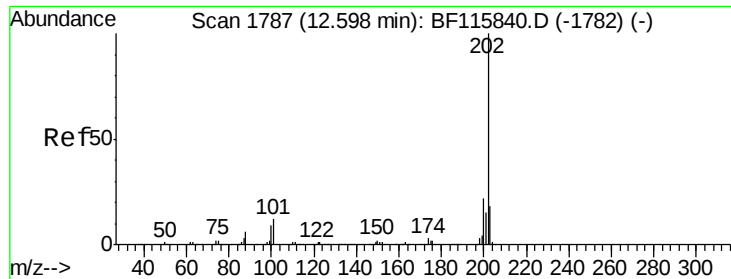
Delta R.T. -0.02 min

Lab File: BF115996.D

Acq: 5 Aug 2019 22:41

Tgt Ion:178	Resp:	51880
Ion Ratio	Lower	Upper
178	100	
176	19.9	15.7 23.5
179	20.2	12.4 18.6#





#75

Fluoranthene

Concen: 23.586 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.02 min

Lab File: BF115996.D

Acq: 5 Aug 2019 22:41

Instrument :

BNA_F

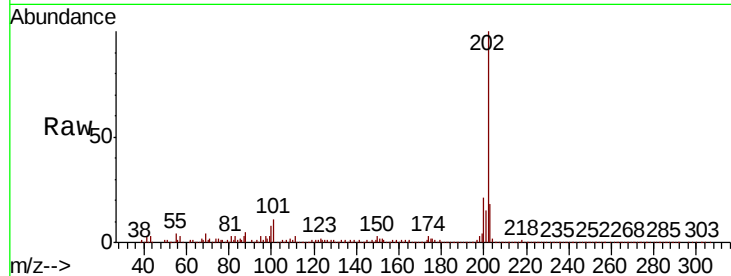
ClientSampleId :

RBR-200035

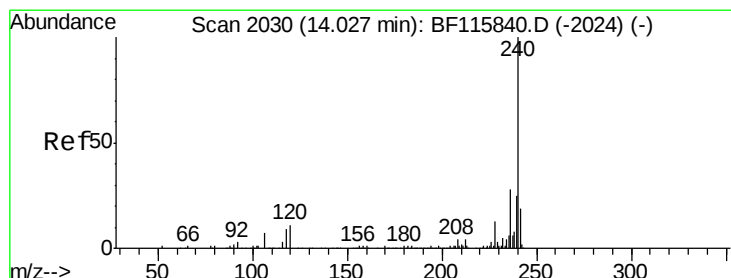
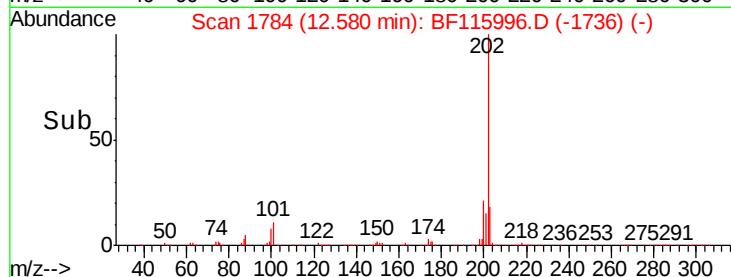
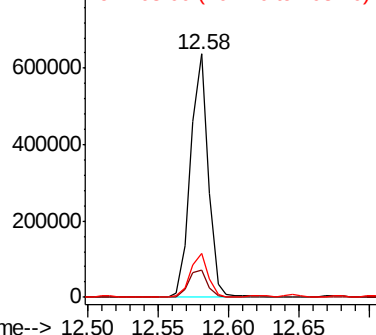
Tot Ion:	202	Resp:	554577
Ion Ratio		Lower	Upper
202	100		
101	11.4	0.0	31.5
203	17.9	0.0	37.9

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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

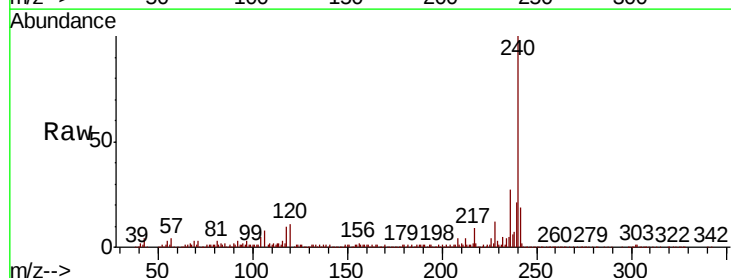
RT: 14.00 min Scan# 2026

Delta R.T. -0.02 min

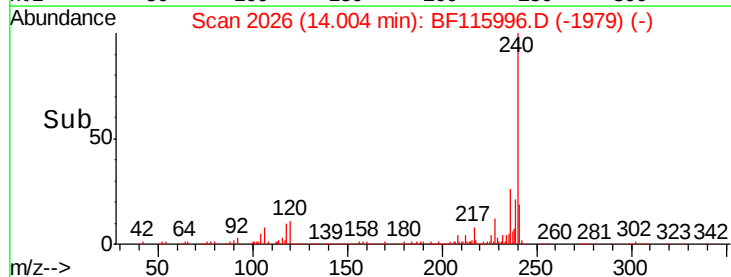
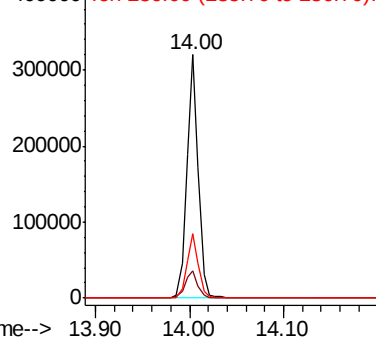
Lab File: BF115996.D

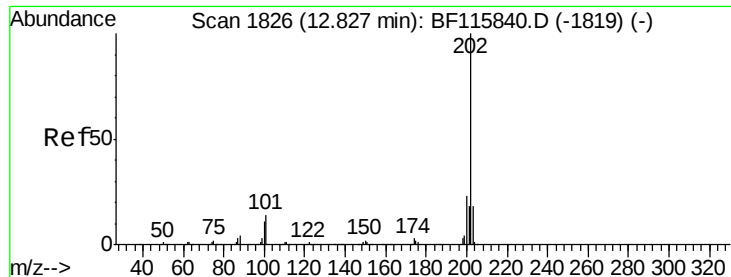
Acq: 5 Aug 2019 22:41

Tgt Ion:	240	Resp:	272167
Ion Ratio		Lower	Upper
240	100		
120	11.4	8.5	12.7
236	26.6	22.2	33.2



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: 21.378 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.02 min

Lab File: BF115996.D

Acq: 5 Aug 2019 22:41

Instrument :

BNA_F

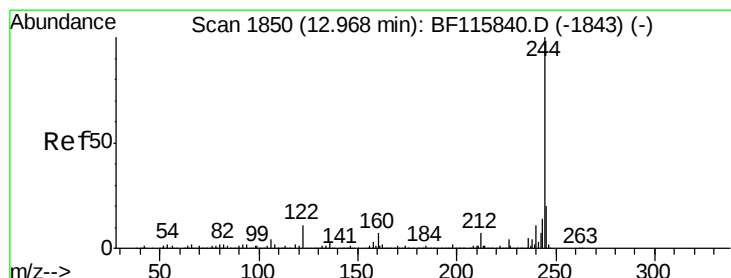
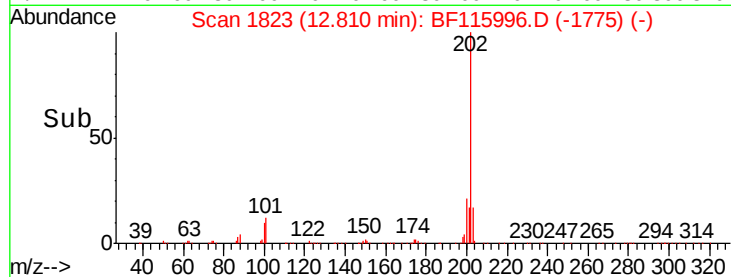
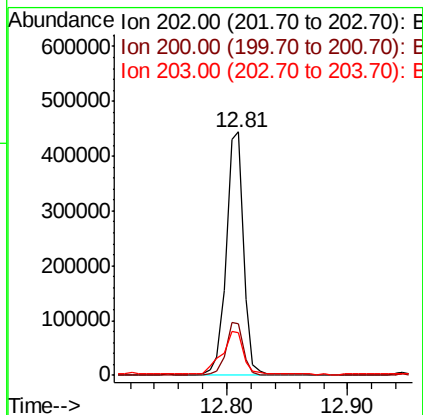
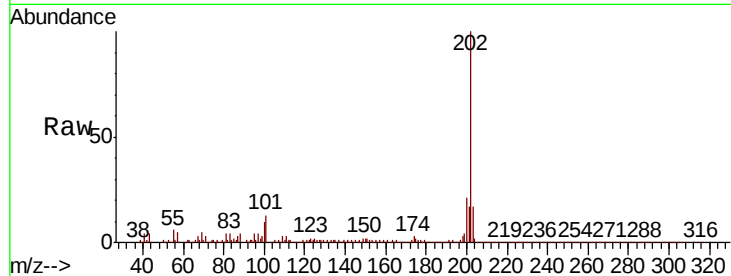
ClientSampleId :

RBR-200035

Tot Ion:	202	Resp:	438597
Ion Ratio		Lower	Upper
202	100		
200	21.2	18.2	27.2
203	17.5	14.3	21.5

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#79

Terphenyl-d14

Concen: 67.891 ng

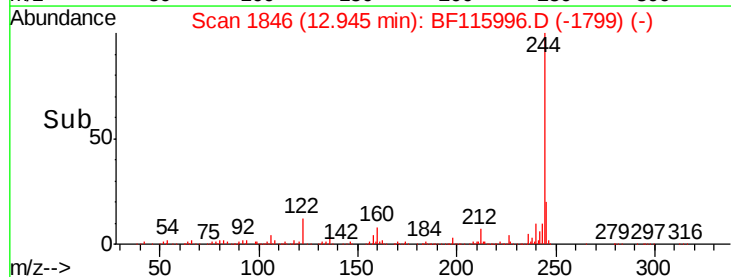
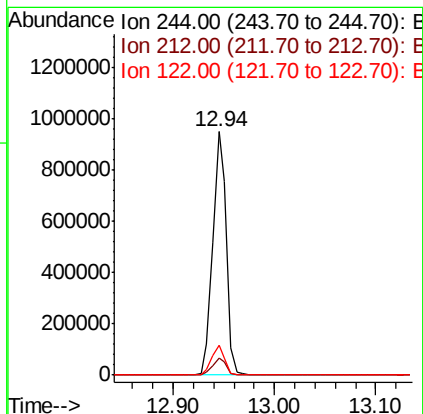
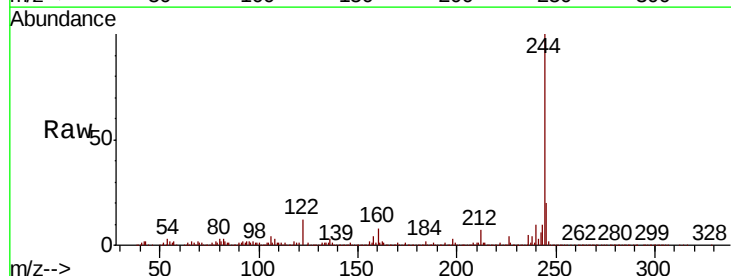
RT: 12.94 min Scan# 1846

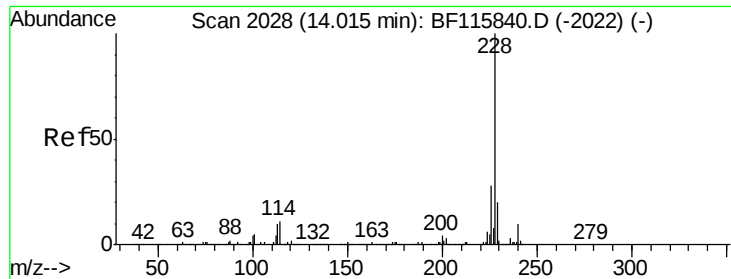
Delta R.T. -0.02 min

Lab File: BF115996.D

Acq: 5 Aug 2019 22:41

Tgt Ion:	244	Resp:	876895
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.6	8.4
122	12.5	8.6	13.0





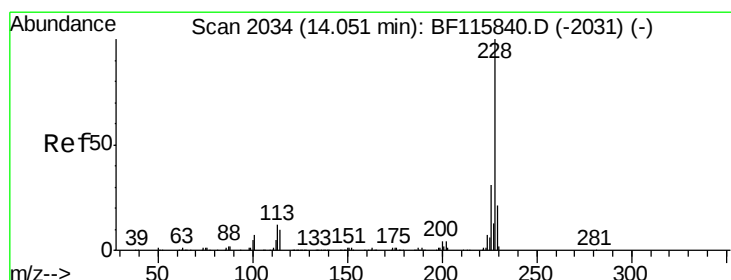
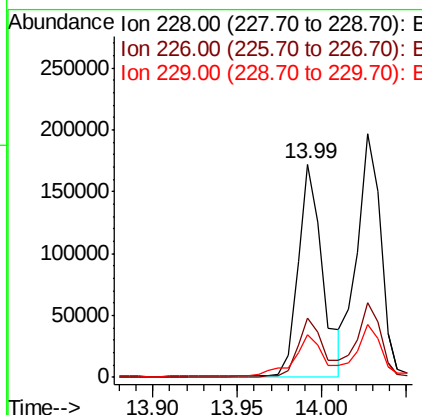
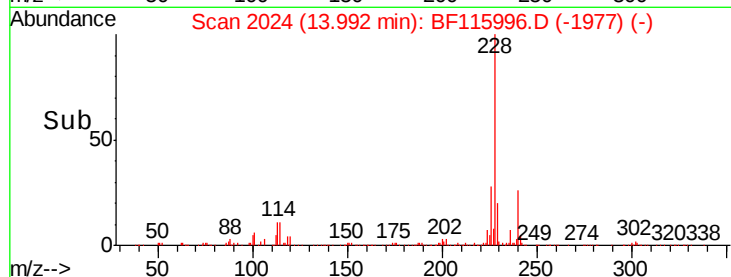
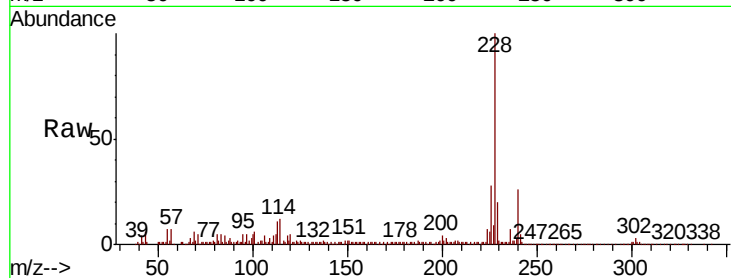
#81
Benzo(a)anthracene
Concen: 9.953 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF115996.D
Acq: 5 Aug 2019 22:41

Instrument :
BNA_F
ClientSampleId :
RBR-200035

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.5	33.7
229	19.9	16.1	24.1

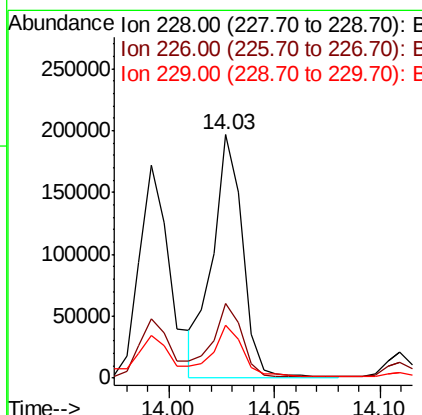
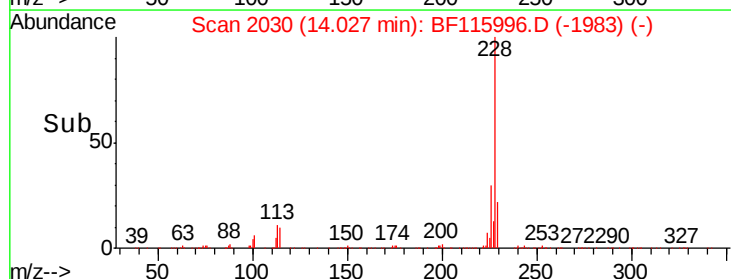
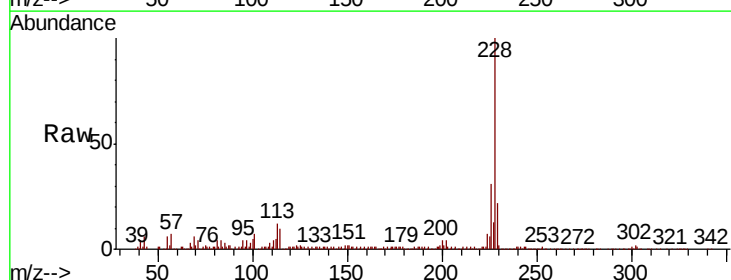
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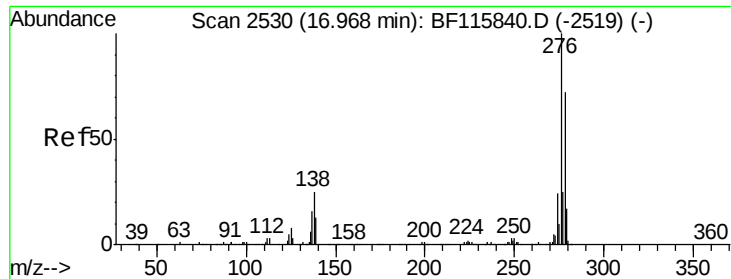
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#83
Chrysene
Concen: 11.480 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF115996.D
Acq: 5 Aug 2019 22:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.8	37.2
229	21.9	16.4	24.6





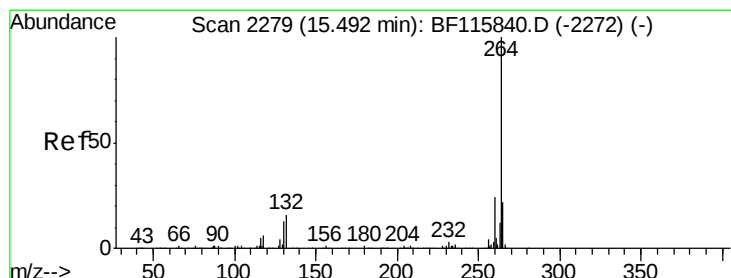
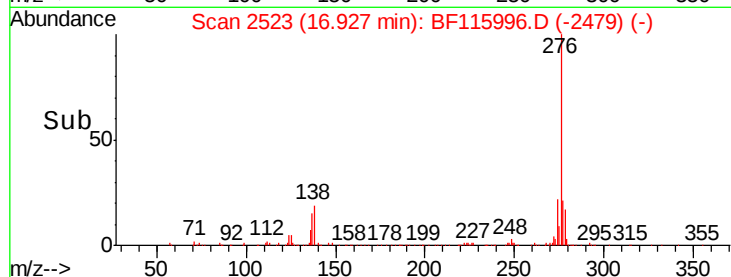
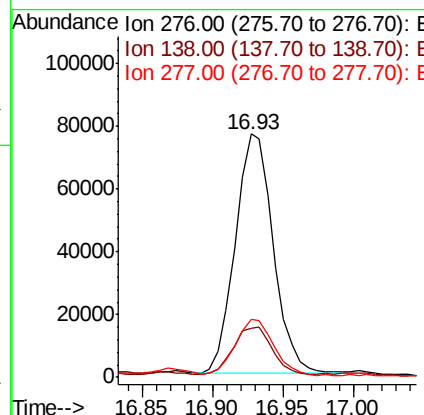
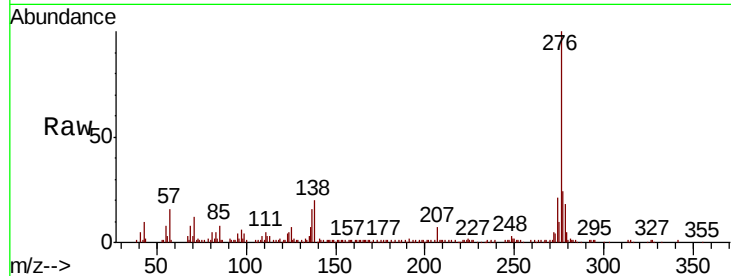
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 10.120 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.04 min
 Lab File: BF115996.D
 Acq: 5 Aug 2019 22:41

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200035

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	19.6	29.4
277	23.3	20.1	30.1

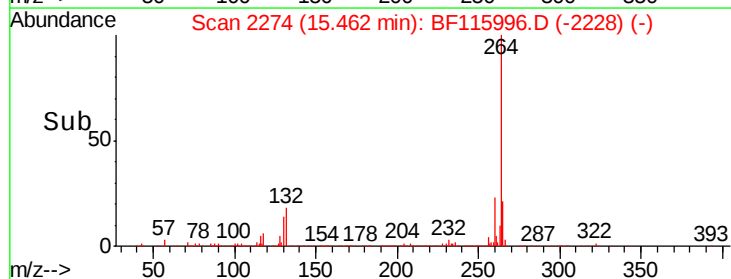
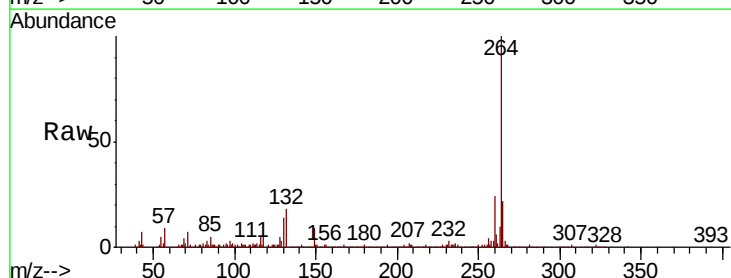
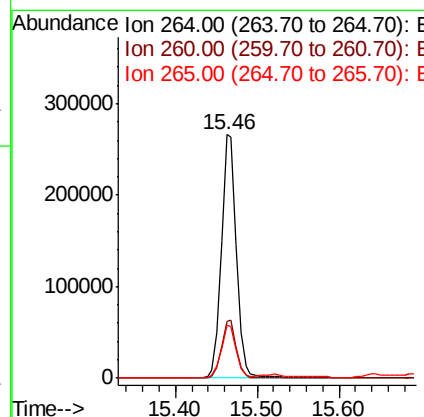
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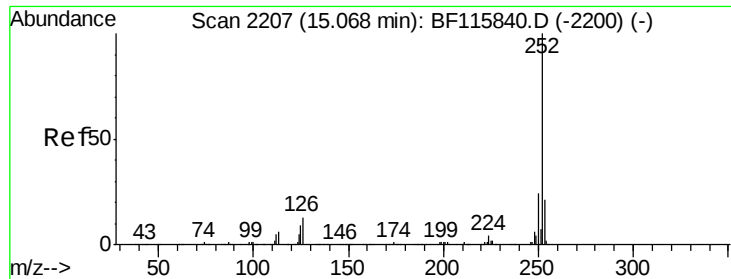
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.03 min
 Lab File: BF115996.D
 Acq: 5 Aug 2019 22:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.6	17.5	26.3





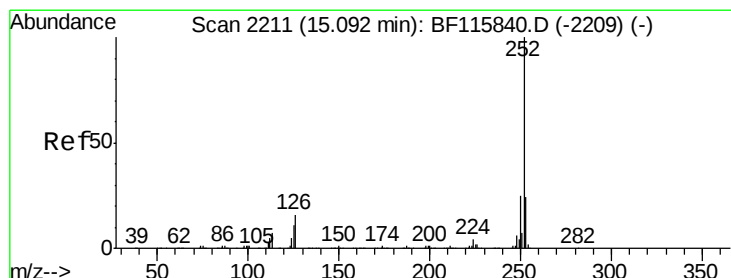
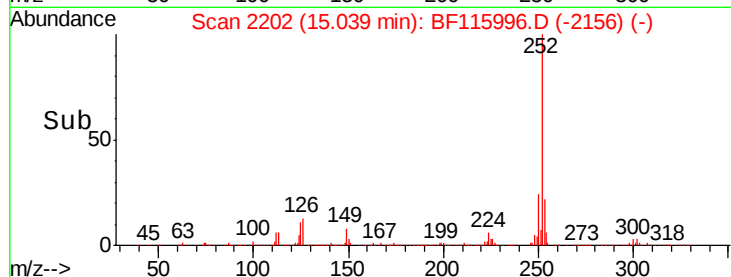
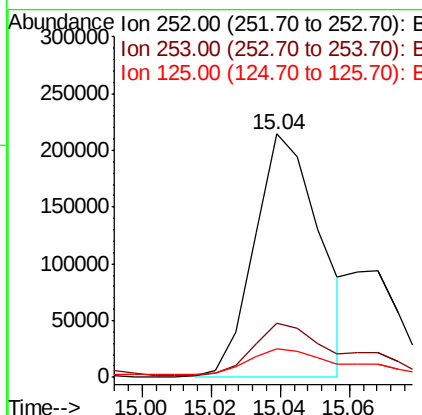
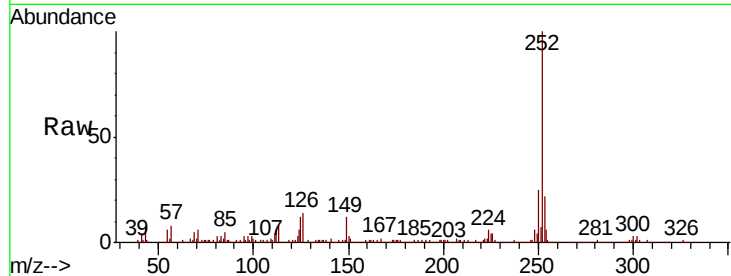
#88
Benzo(b)fluoranthene
Concen: 14.399 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.03 min
Lab File: BF115996.D
Acq: 5 Aug 2019 22:41

Instrument :
BNA_F
ClientSampleId :
RBR-200035

Tot Ion	Ratio	Resp	Lower	Upper
252	100	282880		
253	22.3		17.2	25.8
125	11.9		7.4	11.0

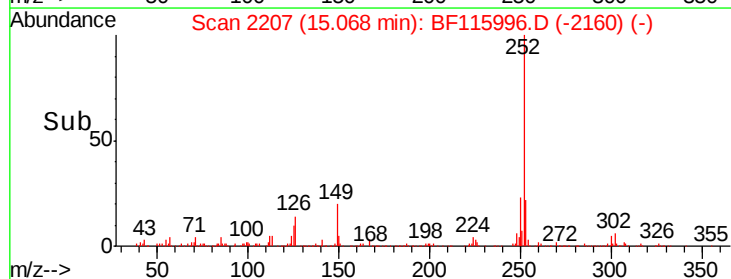
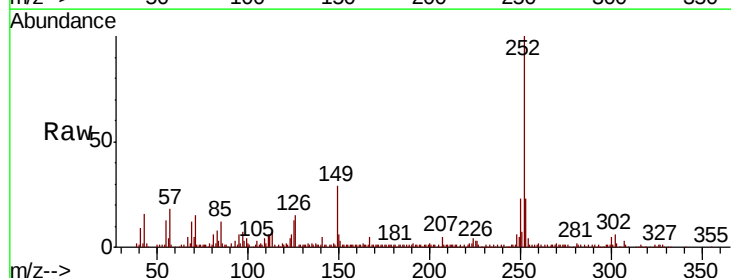
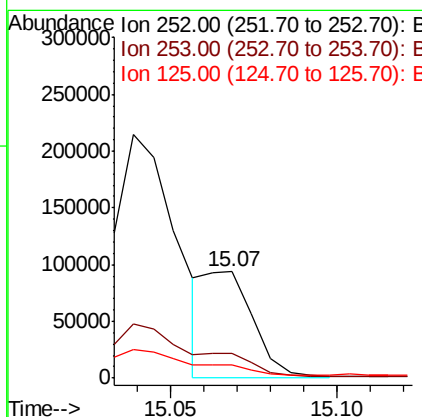
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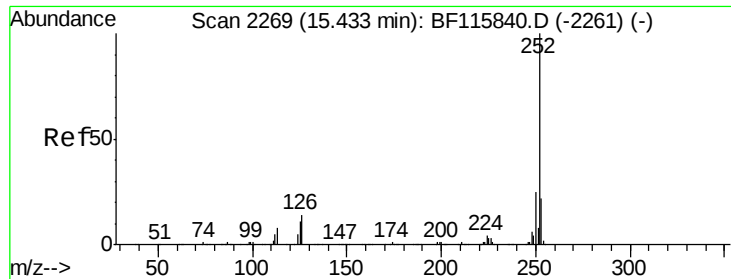
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#89
Benzo(k)fluoranthene
Concen: 4.997 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF115996.D
Acq: 5 Aug 2019 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	95625		
253	23.1		18.2	27.4
125	12.6		8.9	13.3





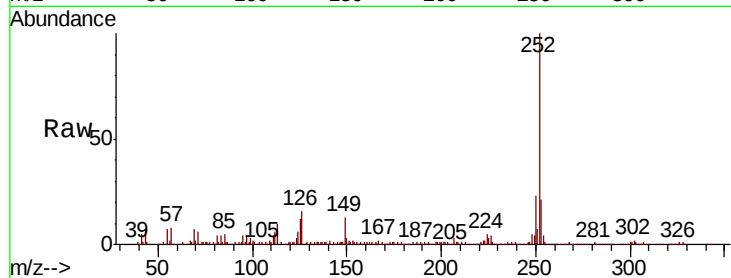
#90
Benzo(a)pyrene
Concen: 9.794 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.03 min
Lab File: BF115996.D
Acq: 5 Aug 2019 22:41

Instrument :
BNA_F
ClientSampleId :
RBR-200035

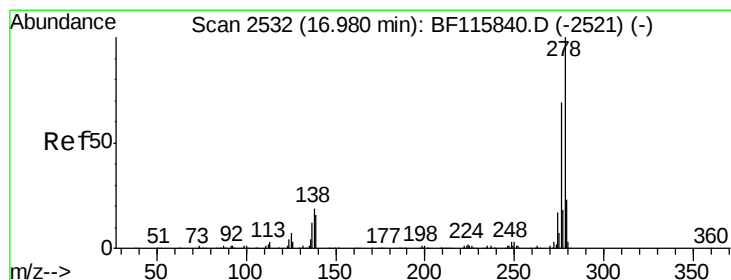
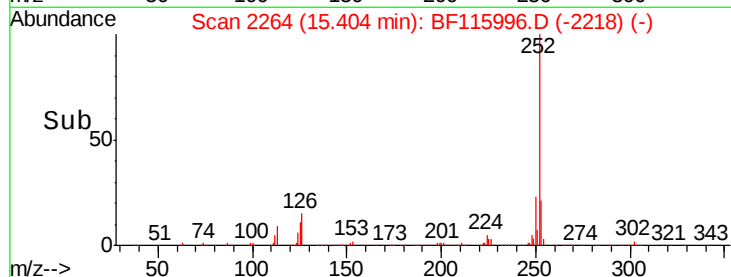
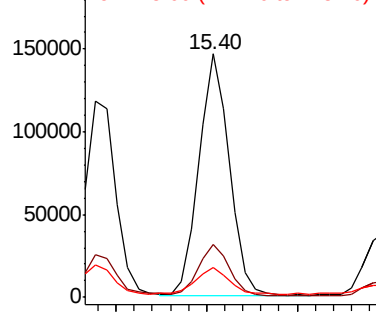
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.6
125	12.1	8.8	13.2

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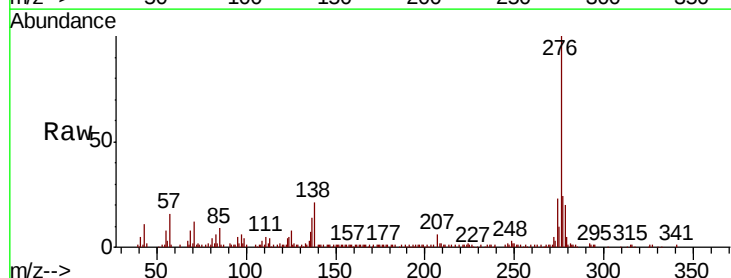


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

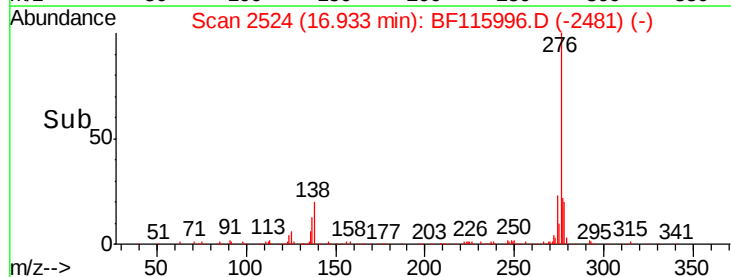
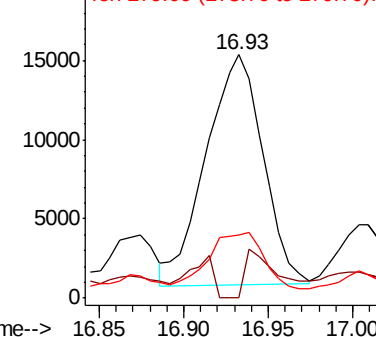


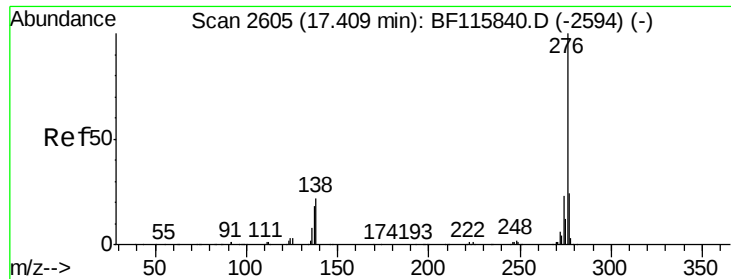
#91
Dibenzo(a,h)anthracene
Concen: 2.242 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.05 min
Lab File: BF115996.D
Acq: 5 Aug 2019 22:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	26.1	18.8	28.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 9.141 ng
 RT: 17.37 min Scan# 2598
 Delta R.T. -0.04 min
 Lab File: BF115996.D
 Acq: 5 Aug 2019 22:41

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200035

Tot Ion:	276	Resp:	136471
Ion Ratio		Lower	Upper
276	100		
277	24.1	19.5	29.3
138	22.2	17.8	26.8

Manual Integrations
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