

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117623.D
 Acq On : 30 Oct 2019 14:39
 Operator : JU
 Sample : K5542-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 198-90-(0-2)

Manual Integrations
 APPROVED

mohammad
 10/31/2019 3:10:39 PM

Quant Time: Oct 31 02:13:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	37745	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	152522	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	67483	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	93385	20.00	ng	0.00
76) Chrysene-d12	13.89	240	76777	20.00	ng	0.00
87) Perylene-d12	15.33	264	71335	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	200176	78.90	ng	0.00
7) Phenol-d6	6.39	99	284276	83.42	ng	0.00
23) Nitrobenzene-d5	7.29	82	174502	56.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	38809	66.46	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	262863	54.88	ng	-0.01
79) Terphenyl-d14	12.83	244	191310	40.64	ng	0.00
Target Compounds						
10) Phenol	6.40	94	7113	2.045	ng	Qvalue # 70
50) Dimethylphthalate	9.48	163	39797	8.272	ng	99
71) Phenanthrene	11.27	178	85595	15.785	ng	97
72) Anthracene	11.33	178	25694m	4.618	ng	
75) Fluoranthene	12.46	202	127526	23.493	ng	99
78) Pyrene	12.69	202	119485	18.118	ng	97
81) Benzo(a)anthracene	13.89	228	59818	11.550	ng	98
83) Chrysene	13.92	228	56725	11.176	ng	98
84) Bis(2-ethylhexyl)phthalate	13.86	149	13514	2.940	ng	96
86) Indeno(1,2,3-cd)pyrene	16.76	276	21671	5.719	ng	98
88) Benzo(b)fluoranthene	14.92	252	61574m	14.617	ng	
89) Benzo(k)fluoranthene	14.94	252	22850m	5.292	ng	
90) Benzo(a)pyrene	15.27	252	44164	11.531	ng	# 93
92) Benzo(a,h,i)perylene	17.19	276	19331	6.169	ng	95

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

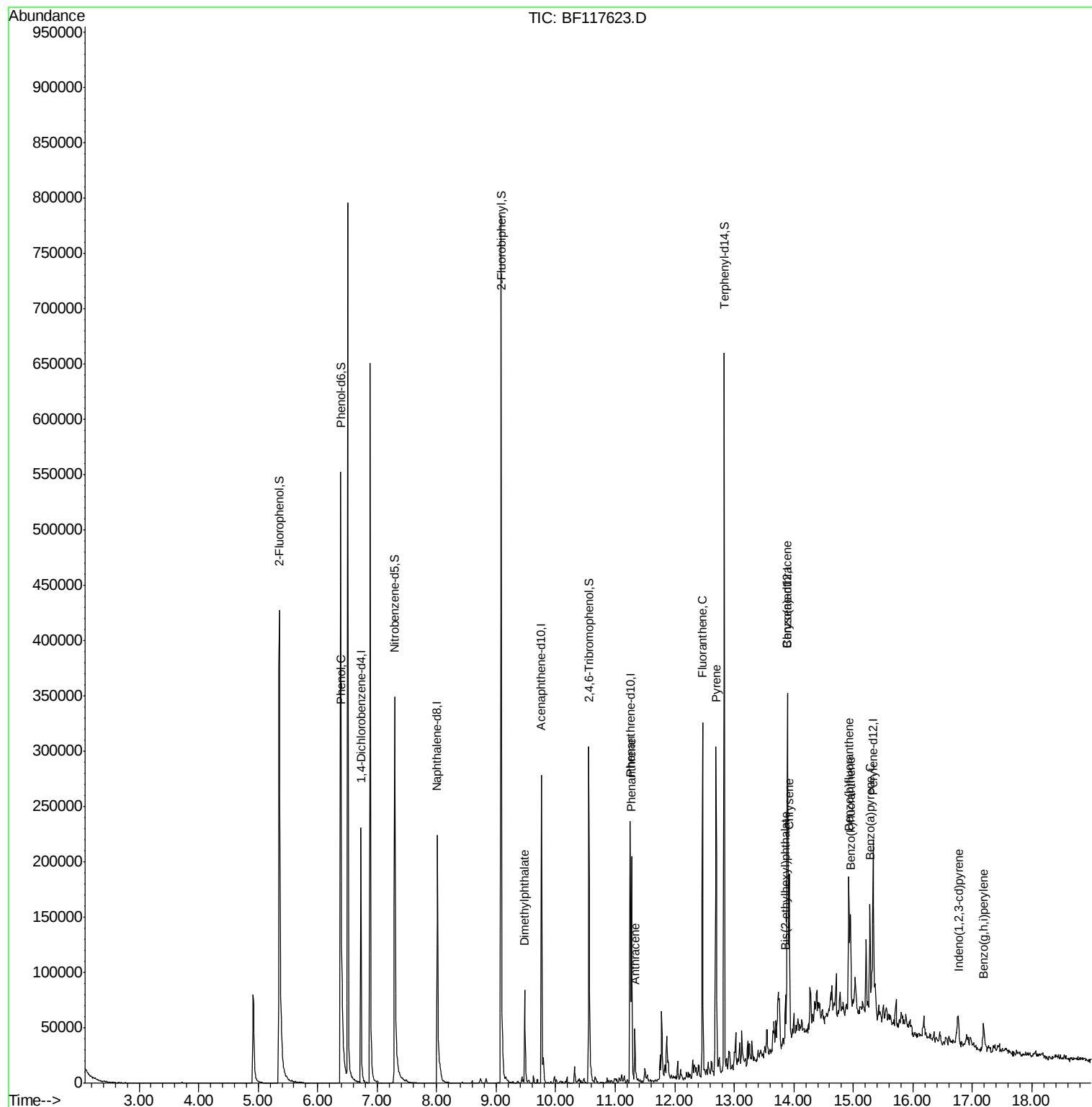
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117623.D
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#1

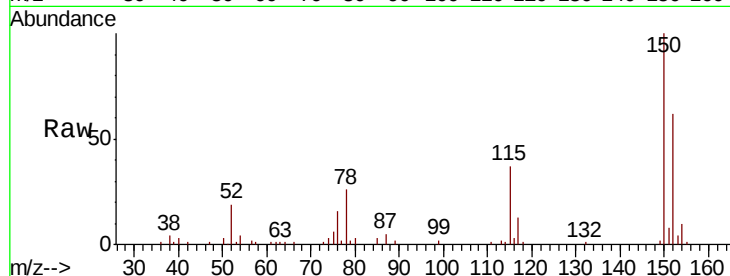
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Instrument :
BNA_F
ClientSampleId :
198-90-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	126.8	190.2
115	59.8	51.6	77.4

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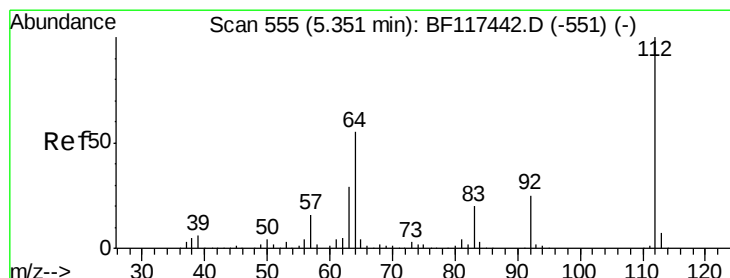
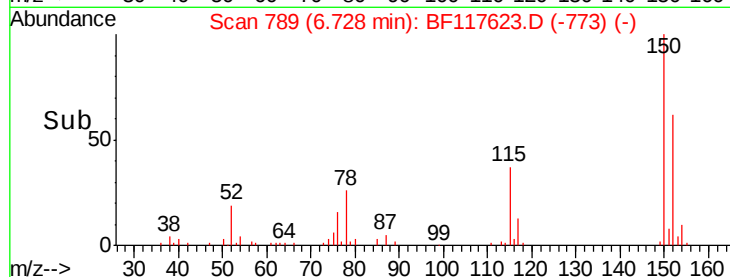
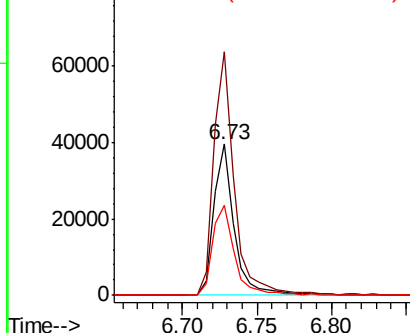


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

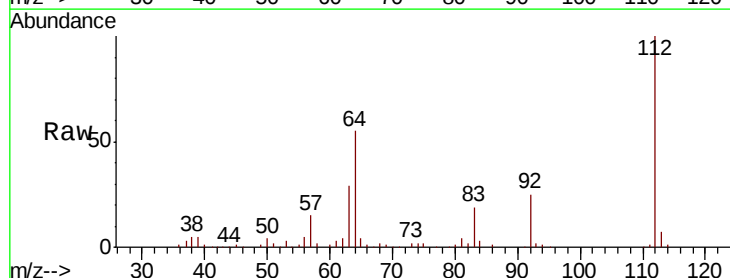
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 78.899 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	44.1	66.1
63	29.5	23.4	35.2

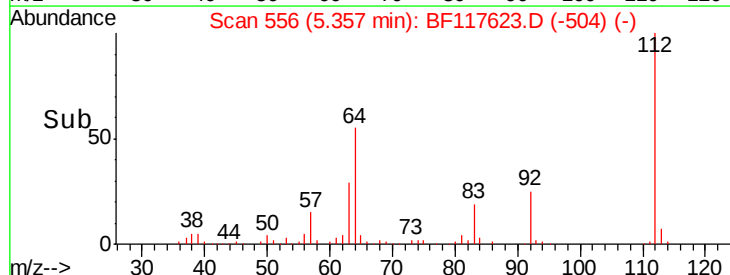
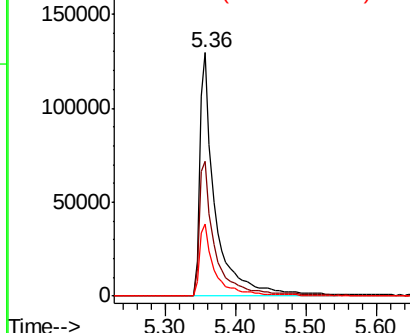


Abundance

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: 83.423 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117623.D

Acq: 30 Oct 2019 14:39

Instrument :

BNA_F

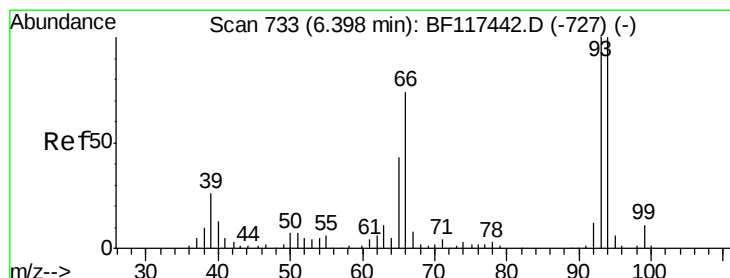
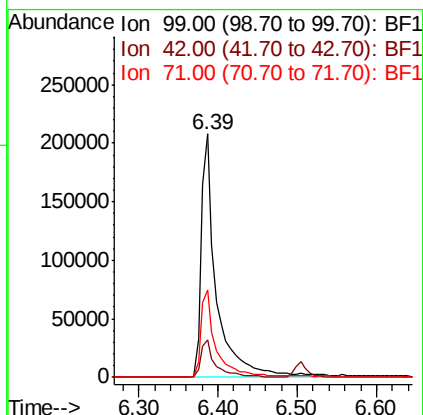
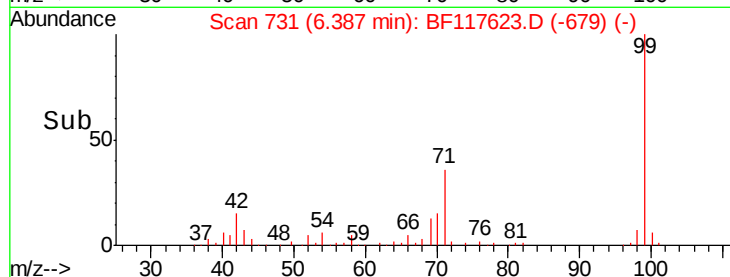
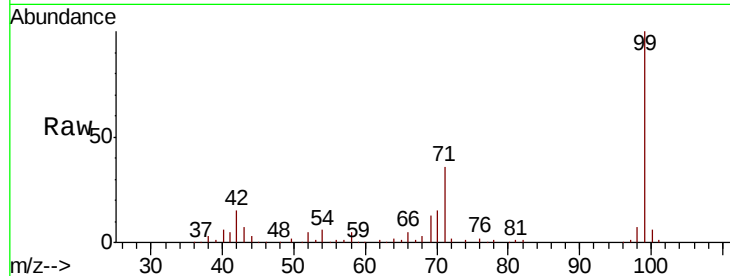
ClientSampleId :

198-90-(0-2)

Tot Ion:	99	Resp:	284276
Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.8	19.2
71	36.2	28.6	43.0

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#10

Phenol

Concen: 2.045 ng

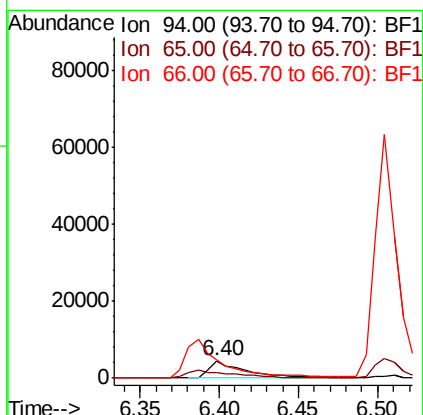
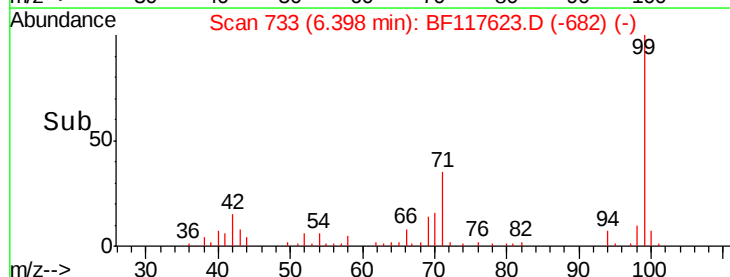
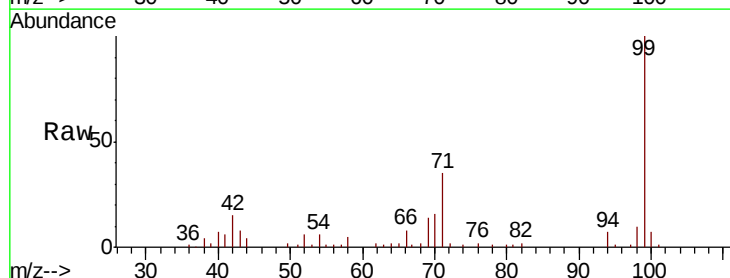
RT: 6.40 min Scan# 733

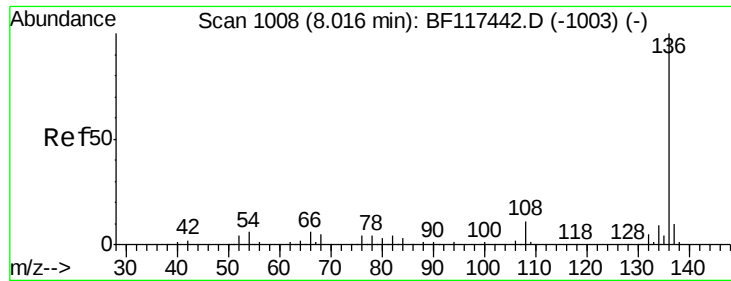
Delta R.T. 0.00 min

Lab File: BF117623.D

Acq: 30 Oct 2019 14:39

Tgt Ion:	94	Resp:	7113
Ion	Ratio	Lower	Upper
94	100		
65	29.7	23.4	63.4
66	104.7	54.7	94.7#





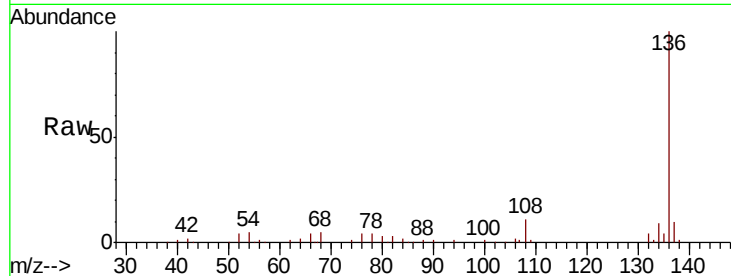
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Instrument :
BNA_F
ClientSampleId :
198-90-(0-2)

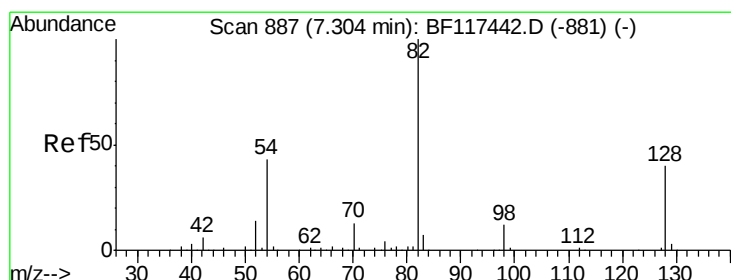
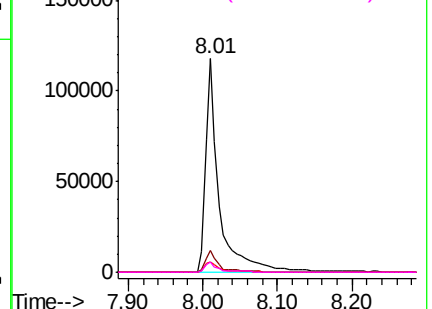
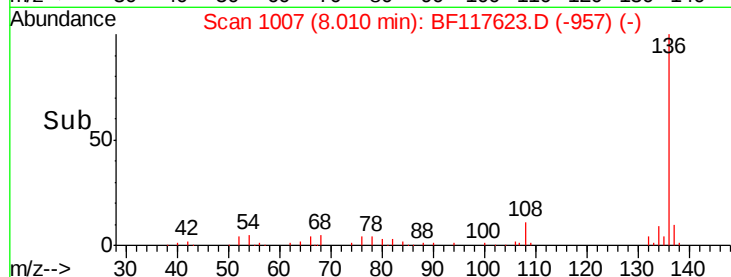
Tot Ion	Ratio	Resp	Lower	Upper
136	100	152522		
137	10.4		8.2	12.4
54	5.1		4.5	6.7
68	4.8		4.3	6.5

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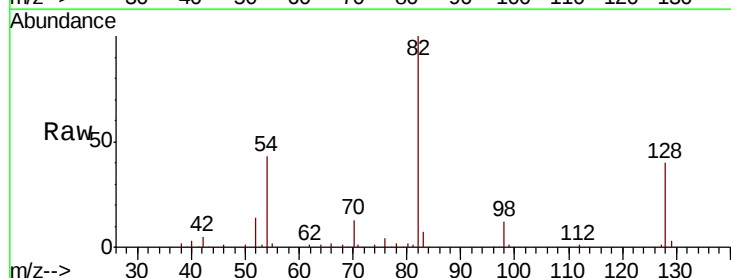


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

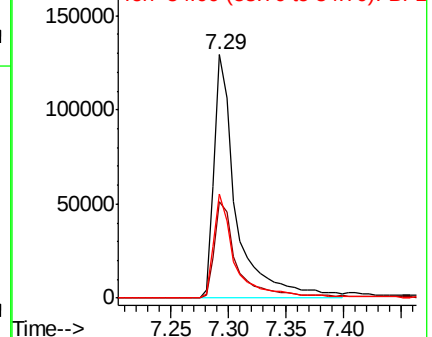
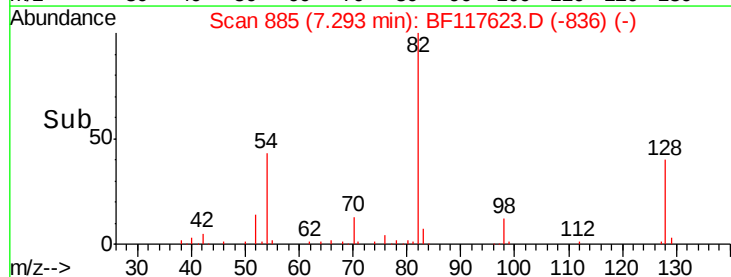


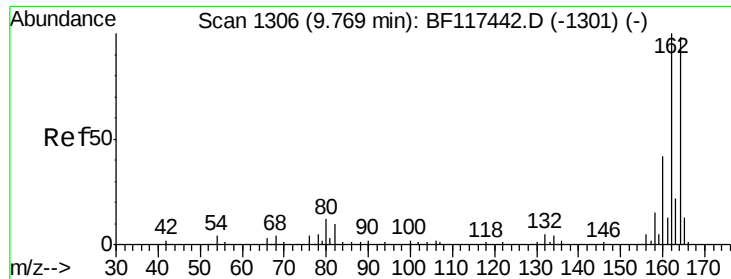
#23
Nitrobenzene-d5
Concen: 56.482 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	174502		
128	39.6		32.2	48.2
54	43.0		34.2	51.2



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





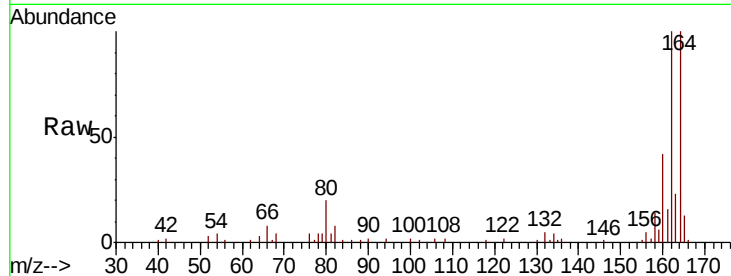
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Instrument :
BNA_F
ClientSampleId :
198-90-(0-2)

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.8	122.6
160	41.9	34.4	51.6

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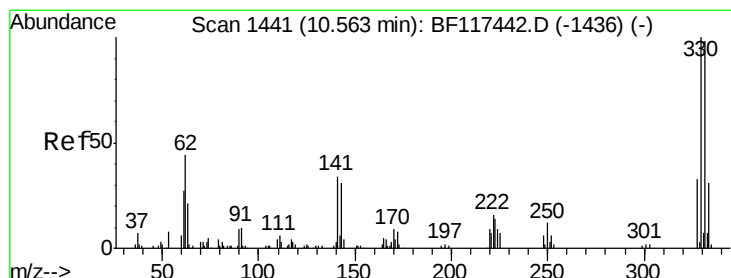
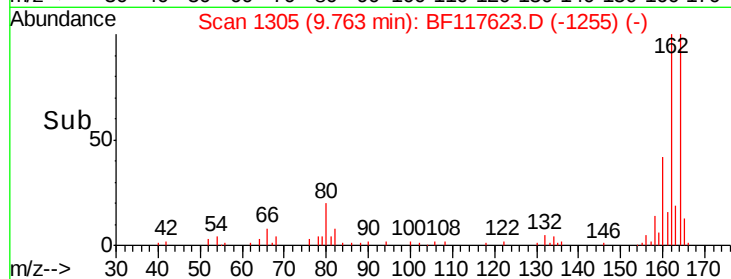
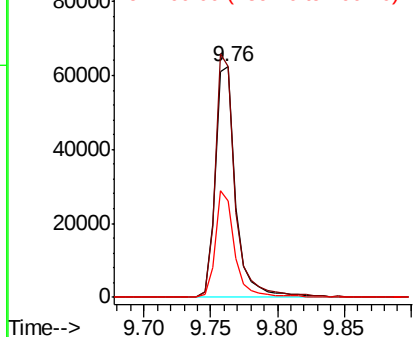


Abundance

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: 66.465 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

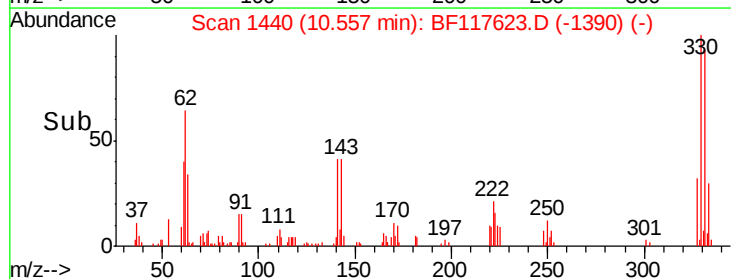
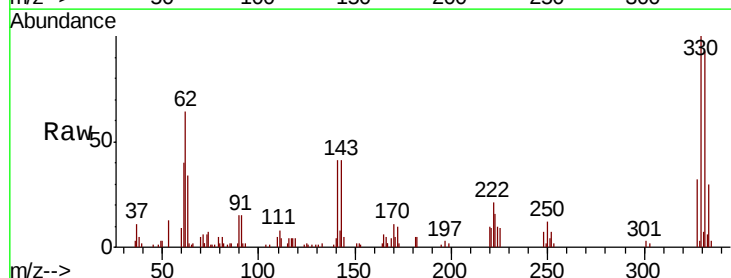
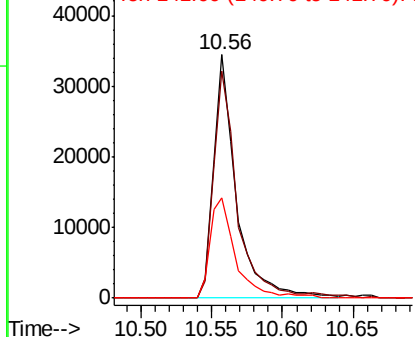
Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.2	78.5	117.7
141	45.8	37.0	55.6

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





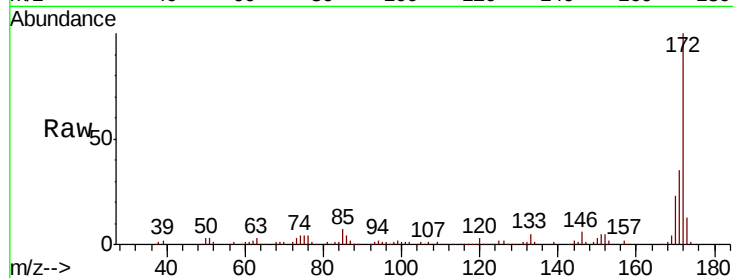
#45
2-Fluorobiphenyl
Concen: 54.884 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Instrument :
BNA_F
ClientSampleId :
198-90-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	262863		
171	34.9		27.5	41.3
170	22.7		18.6	27.8

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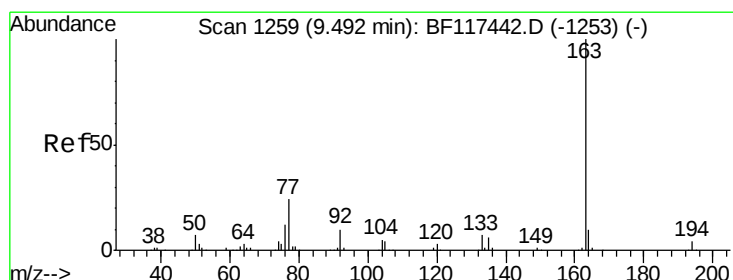
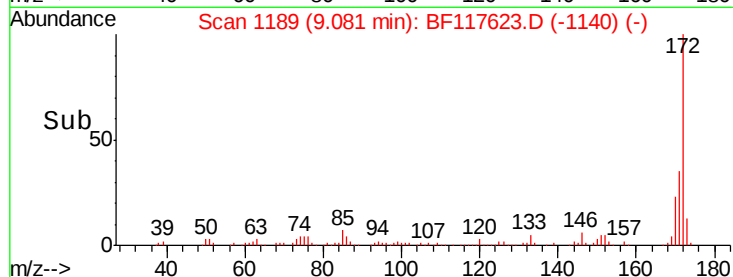
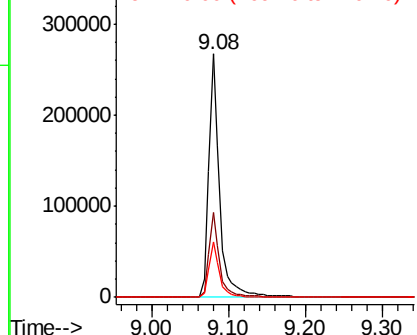


Abundance

Ion 172.00 (171.70 to 172.70): E

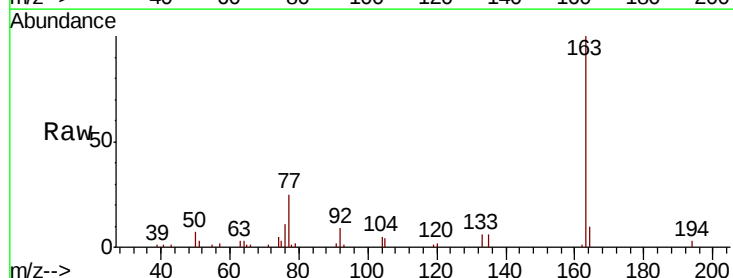
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 8.272 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	39797		
194	3.4		2.9	4.3
164	10.0		8.2	12.2

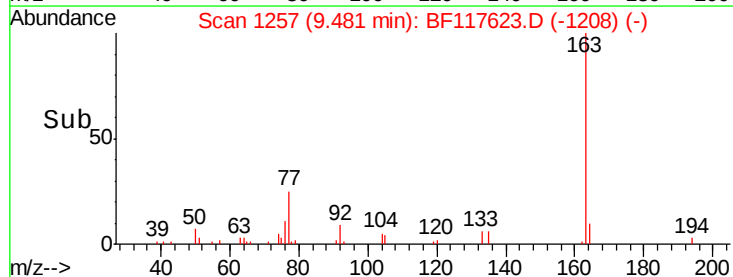
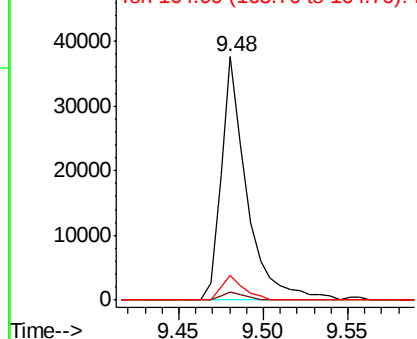


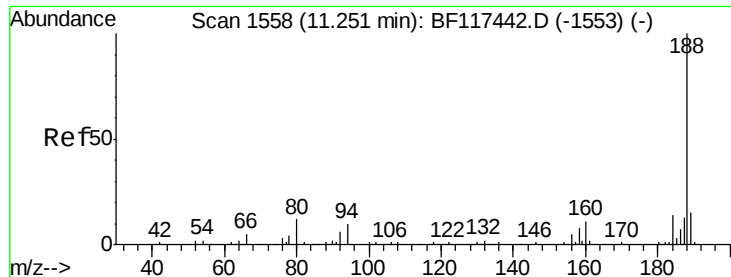
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BF117623.D

Acq: 30 Oct 2019 14:39

Instrument :

BNA_F

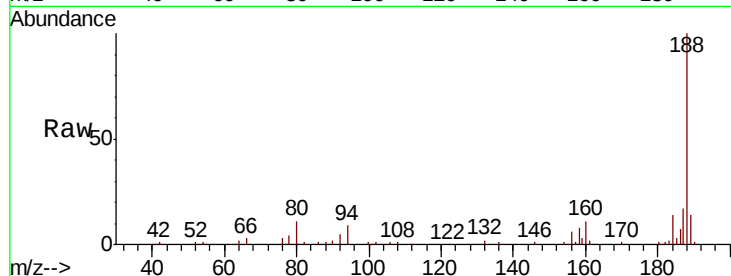
ClientSampleId :

198-90-(0-2)

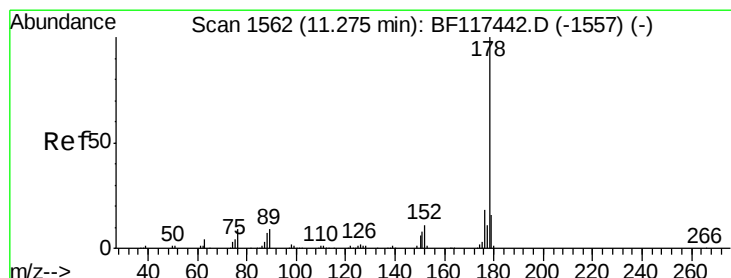
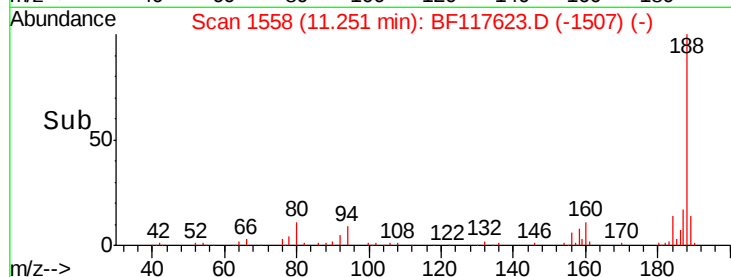
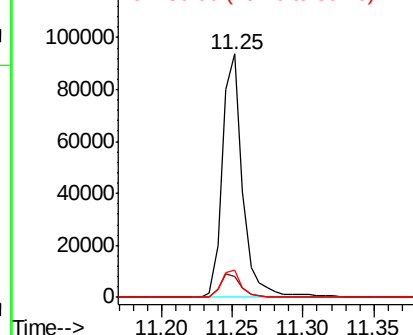
Tot Ion:	188	Resp:	93385
Ion Ratio	Lower	Upper	
188	100		
94	8.7	8.0	12.0
80	11.2	9.5	14.3

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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



#71

Phenanthrene

Concen: 15.785 ng

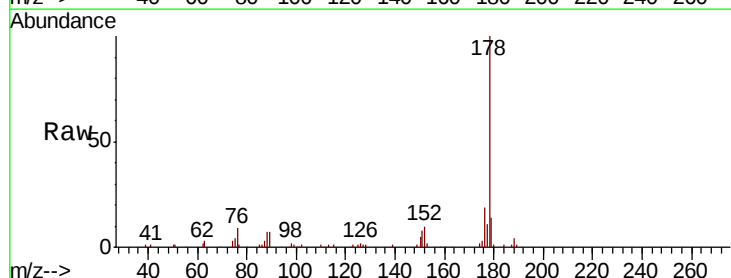
RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

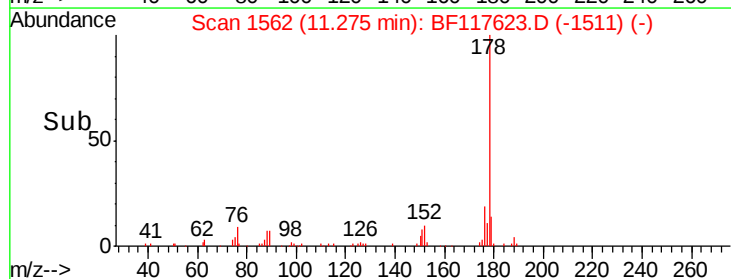
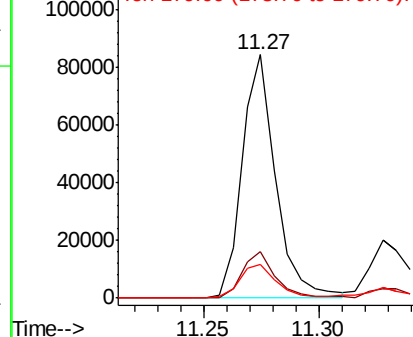
Lab File: BF117623.D

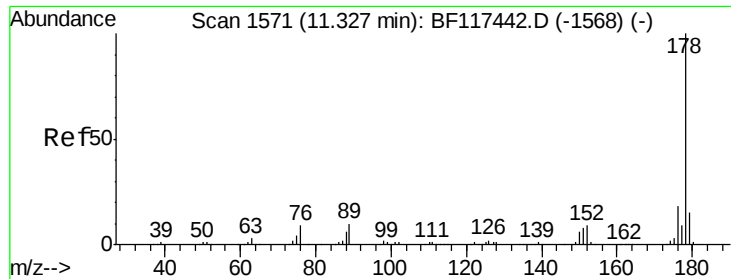
Acq: 30 Oct 2019 14:39

Tgt Ion:	178	Resp:	85595
Ion Ratio	Lower	Upper	
178	100		
176	19.1	14.6	22.0
179	13.9	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





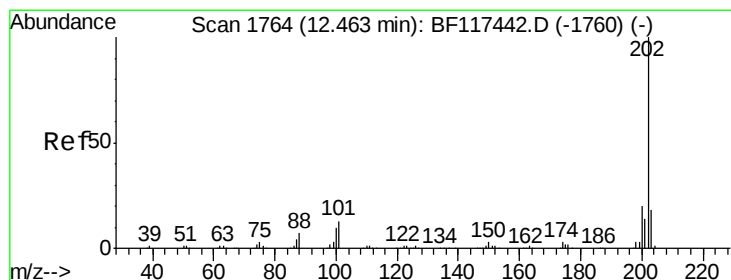
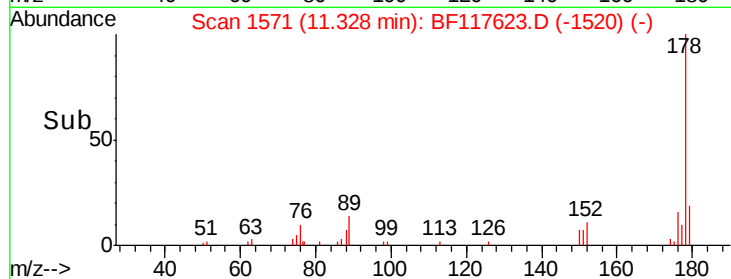
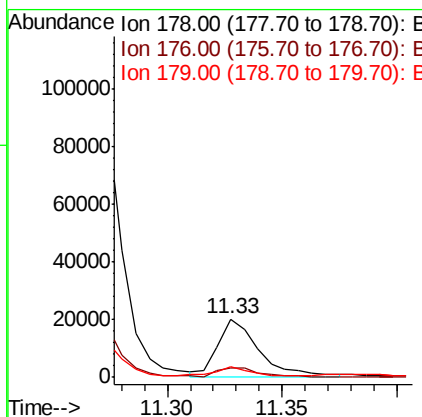
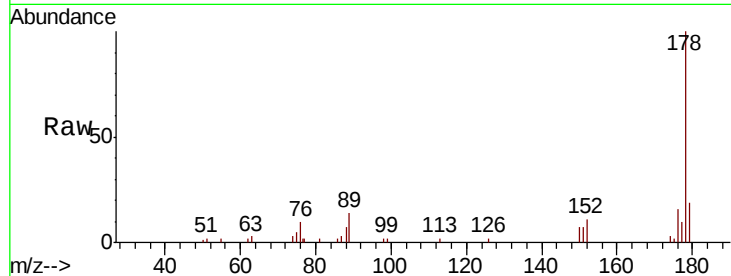
#72
 Anthracene
 Concen: 4.618 ng/mL
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF117623.D
 Acq: 30 Oct 2019 14:39

Instrument :
 BNA_F
 ClientSampleId :
 198-90-(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.1	14.7	22.1
179	19.3	12.2	18.2

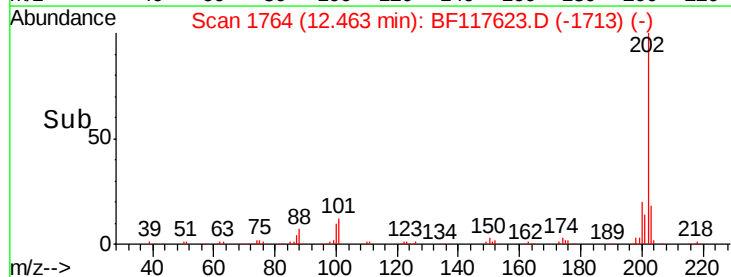
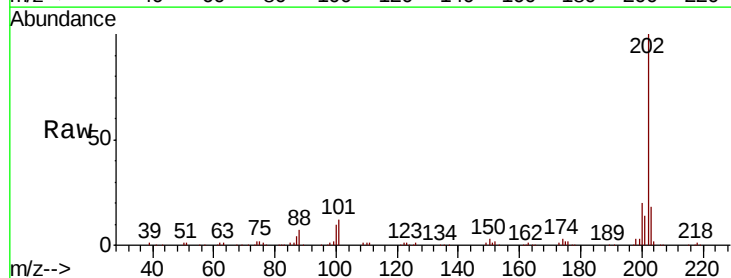
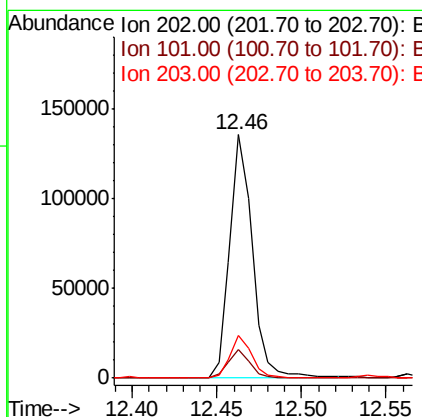
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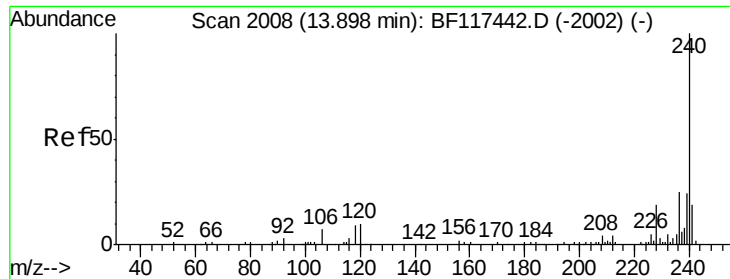
mohammad
 10/31/2019 3:10:39 PM



#75
 Fluoranthene
 Concen: 23.493 ng/mL
 RT: 12.46 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: BF117623.D
 Acq: 30 Oct 2019 14:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.7
203	17.7	0.0	37.6





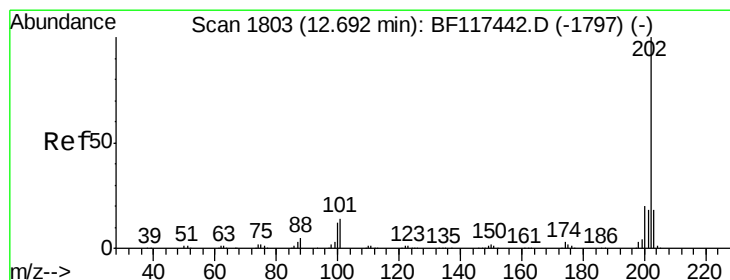
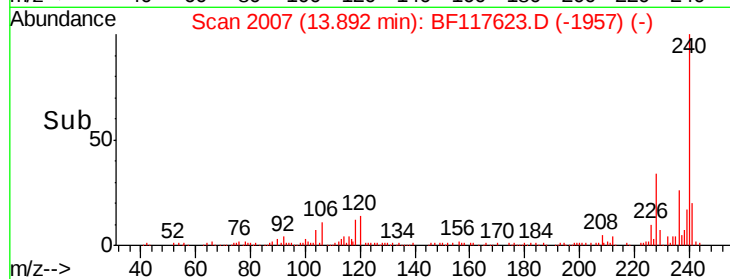
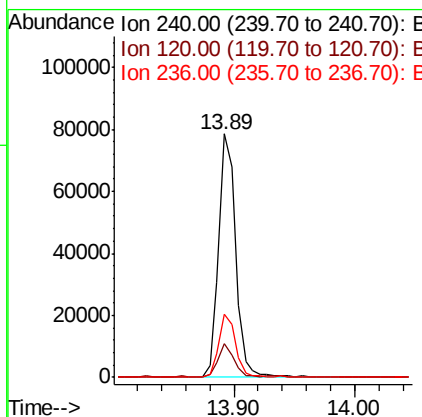
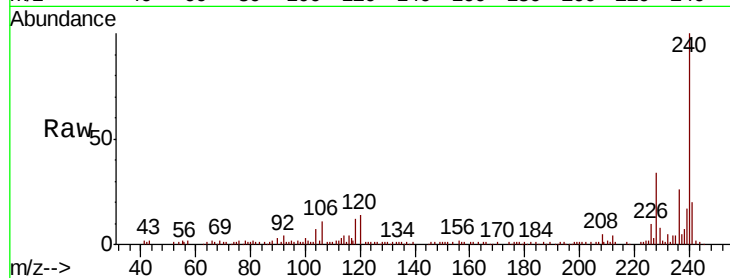
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Instrument :
BNA_F
ClientSampleId :
198-90-(0-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.8	8.4	12.6#
236	25.7	20.0	30.0

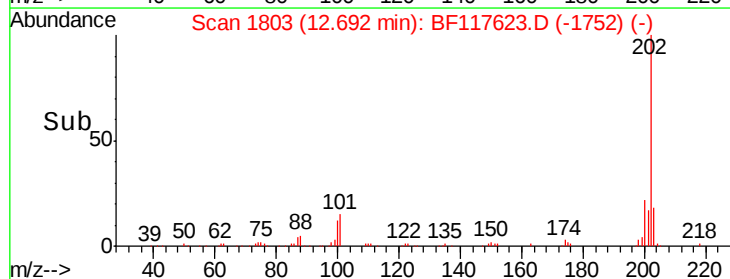
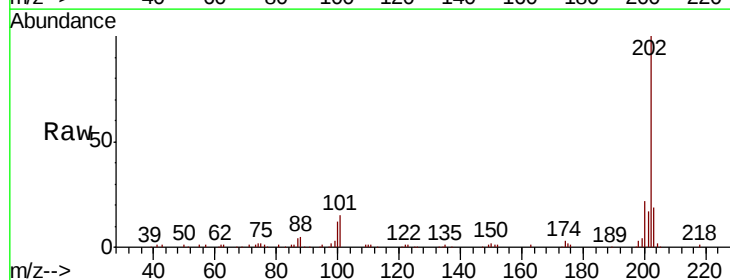
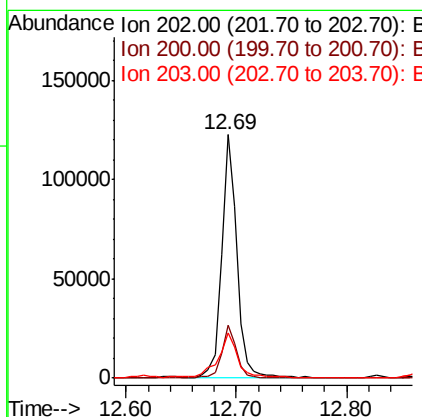
Manual Integrations
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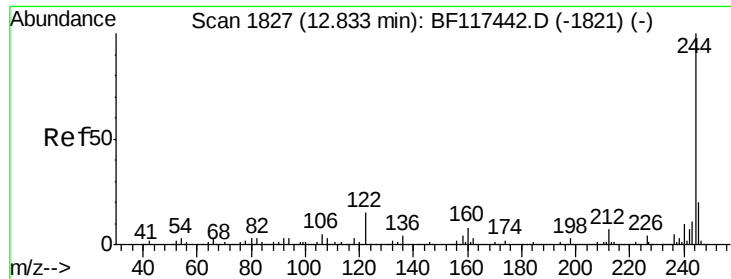
mohammad
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#78
Pyrene
Concen: 18.118 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.2	24.2
203	18.6	14.0	21.0





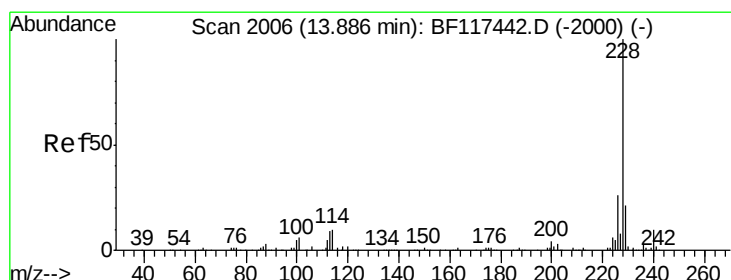
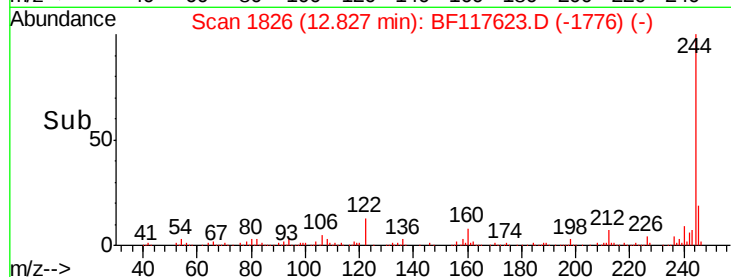
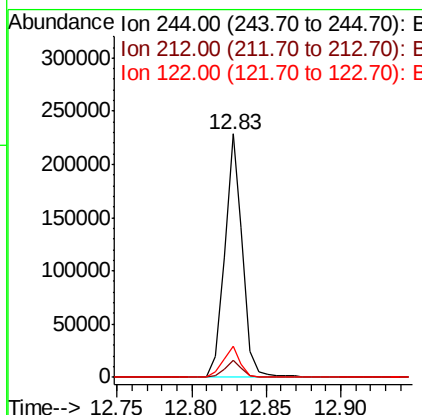
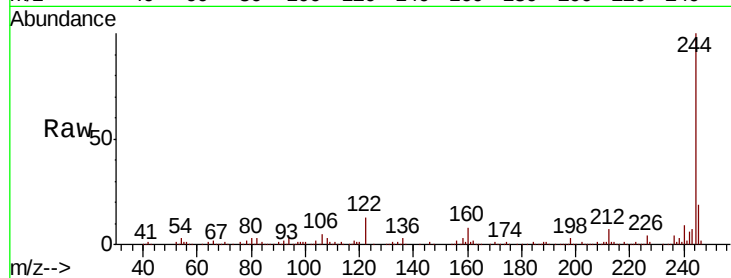
#79
 Terphenyl-d14
 Concen: 40.644 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117623.D
 Acq: 30 Oct 2019 14:39

Instrument :
 BNA_F
 ClientSampleId :
 198-90-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	12.6	11.8	17.8

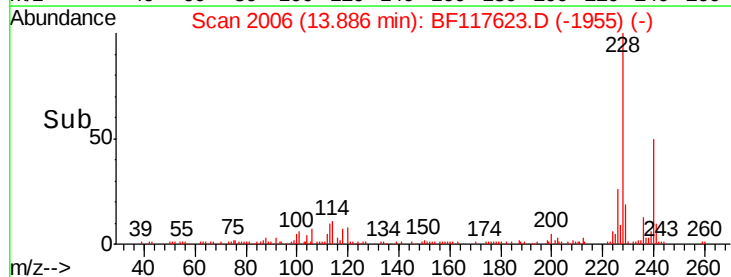
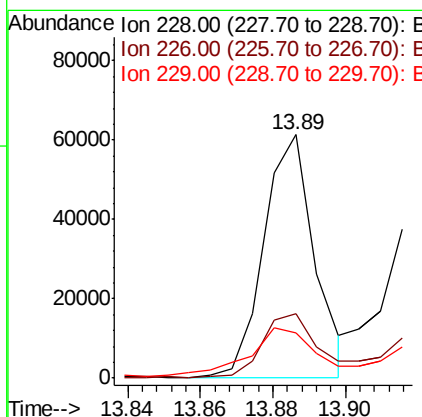
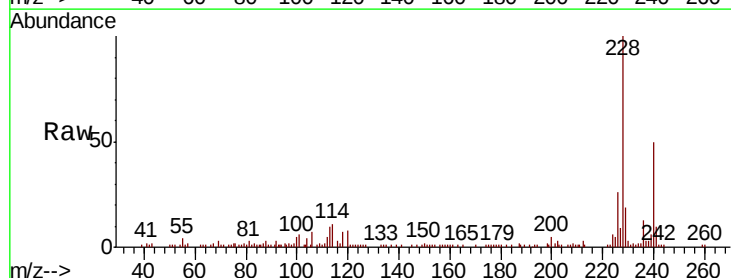
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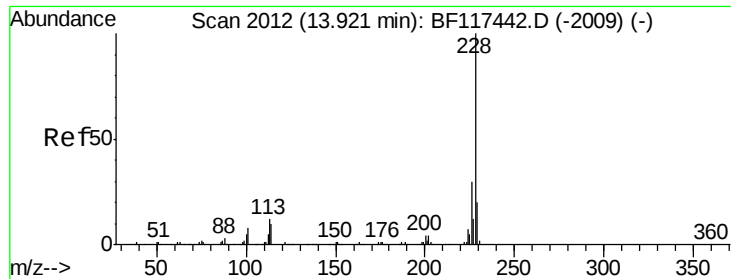
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#81
 Benzo(a)anthracene
 Concen: 11.550 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: BF117623.D
 Acq: 30 Oct 2019 14:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.0	31.4
229	18.6	16.4	24.6





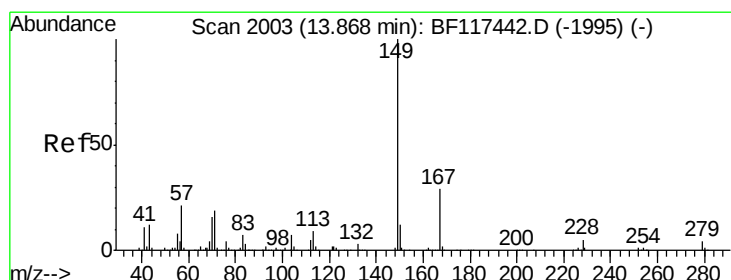
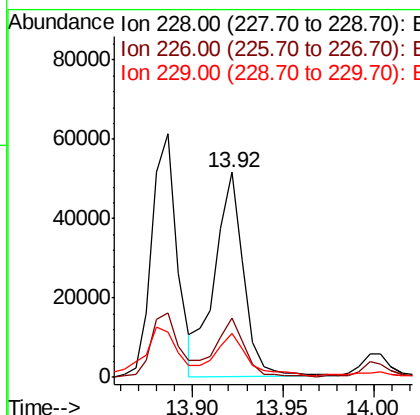
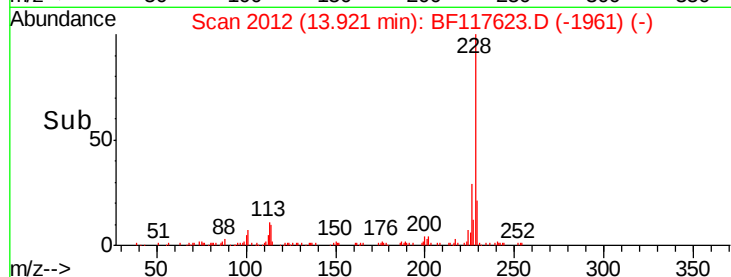
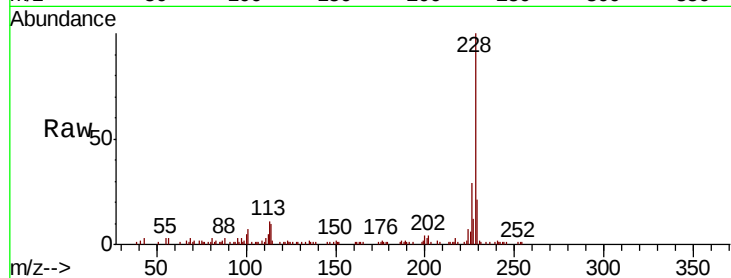
#83
Chrysene
Concen: 11.176 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Instrument :
BNA_F
ClientSampleId :
198-90-(0-2)

Tot Ion:	228	Resp:	56725
Ion Ratio		Lower	Upper
228	100		
226	29.2	23.9	35.9
229	21.2	15.8	23.6

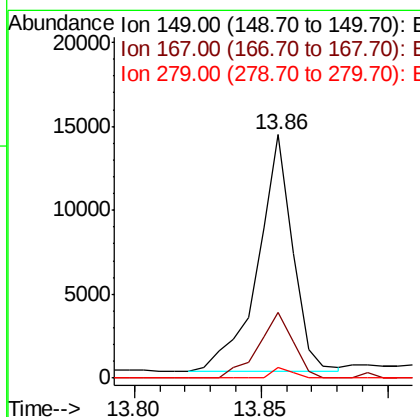
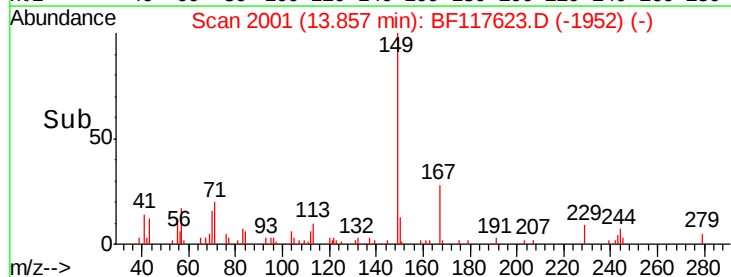
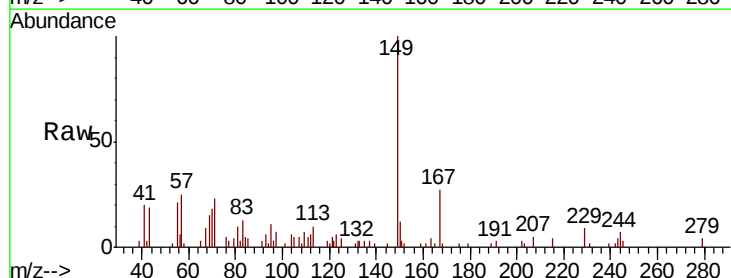
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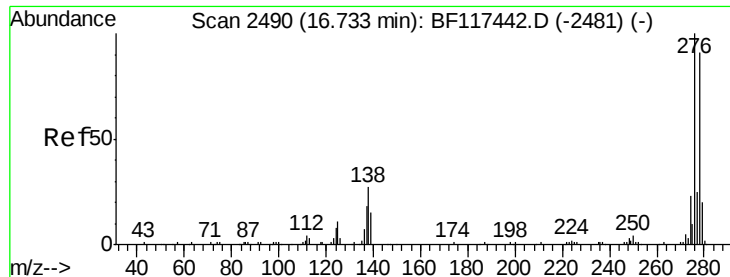
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.940 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Tgt Ion:	149	Resp:	13514
Ion Ratio		Lower	Upper
149	100		
167	26.9	23.3	34.9
279	4.4	3.2	4.8





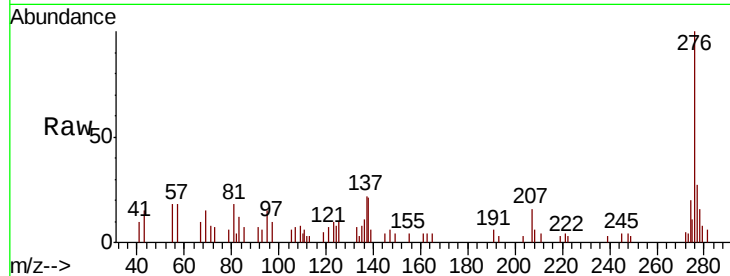
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.719 ng
RT: 16.76 min Scan# 2495
Delta R.T. 0.03 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Instrument :
BNA_F
ClientSampleId :
198-90-(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.1	21.8	32.8
277	24.0	20.0	30.0

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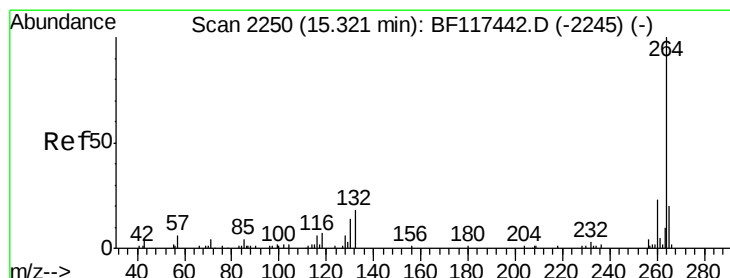
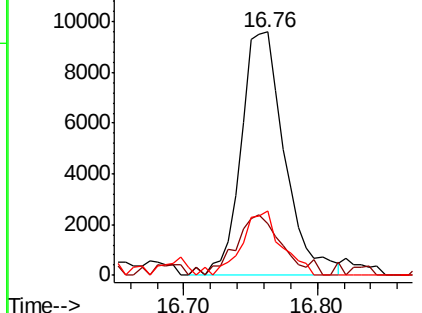
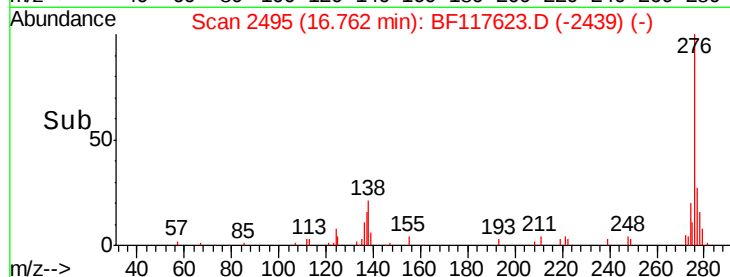


Abundance

Ion 276.00 (275.70 to 276.70): E

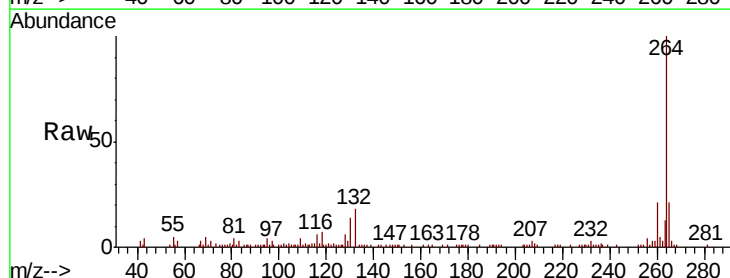
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.5	18.4	27.6
265	21.2	16.1	24.1

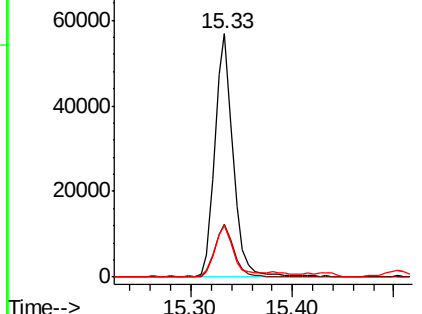
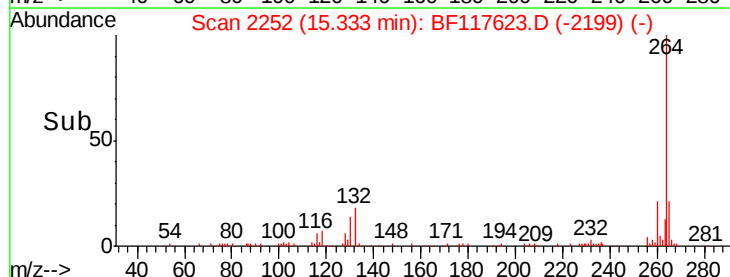


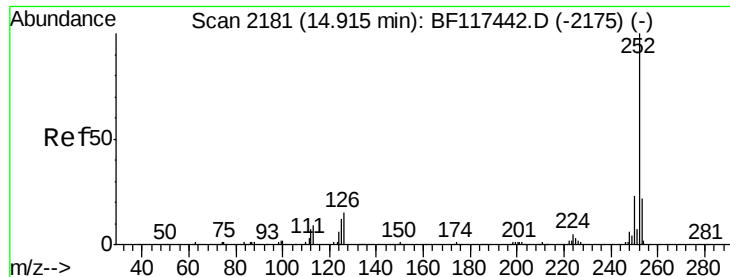
Abundance

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





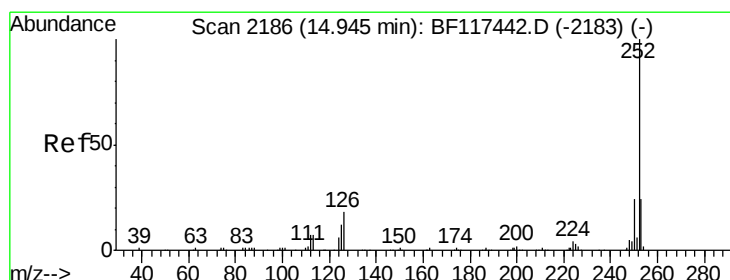
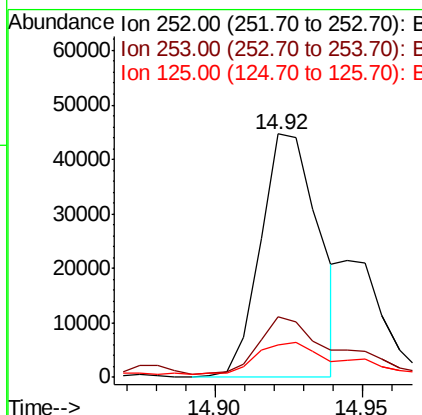
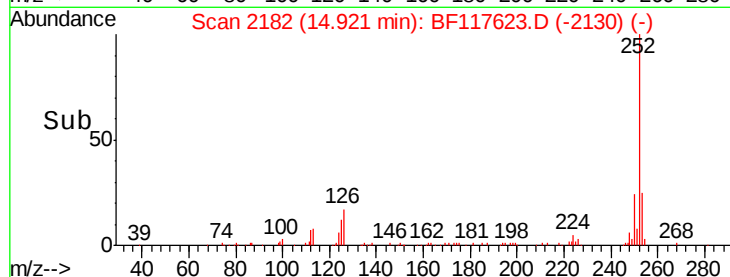
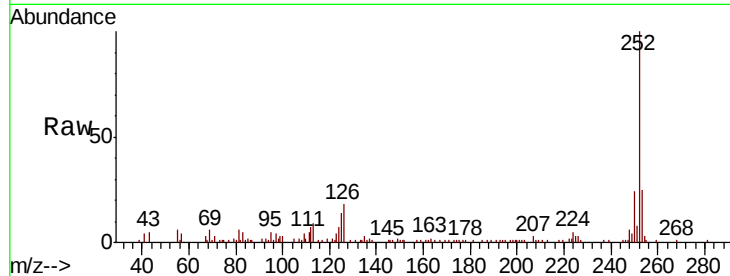
#88
Benzo(b)fluoranthene
Concen: 14.617 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Instrument :
BNA_F
ClientSampleId :
198-90-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.6
125	13.6	9.9	14.9

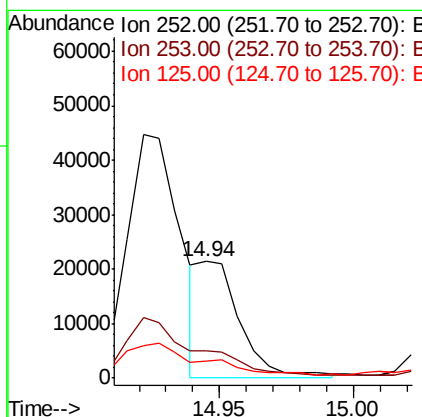
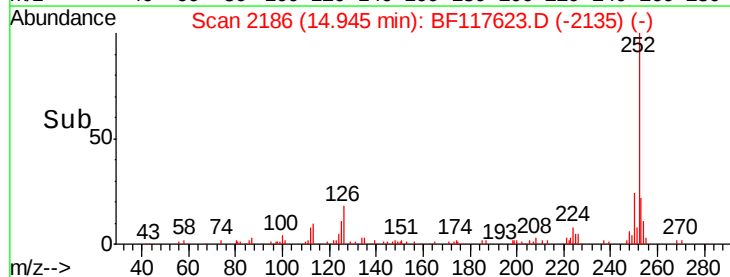
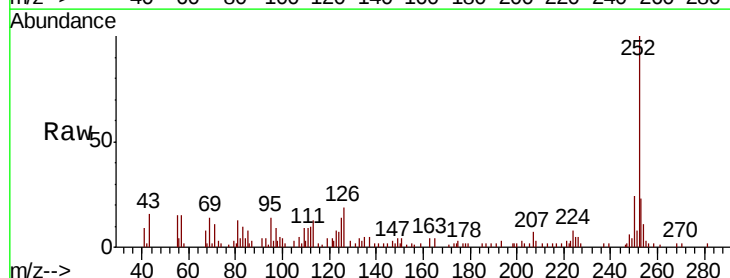
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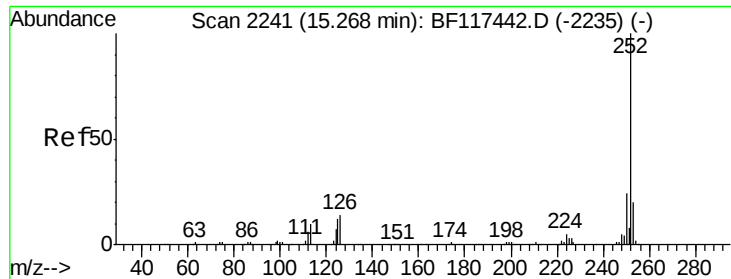
mohammad
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#89
Benzo(k)fluoranthene
Concen: 5.292 ng m
RT: 14.94 min Scan# 2186
Delta R.T. 0.00 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	14.5	8.9	13.3





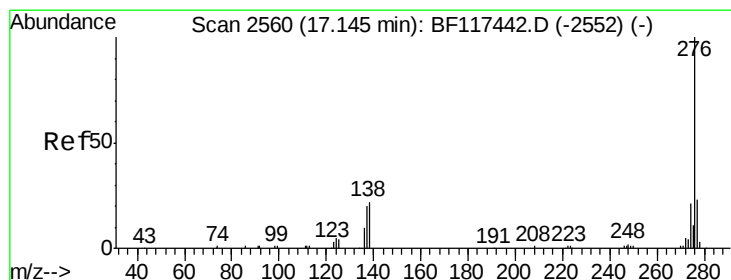
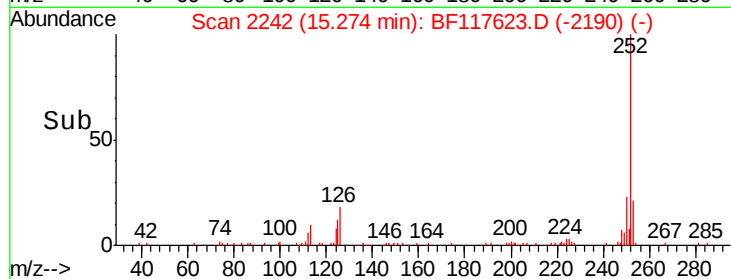
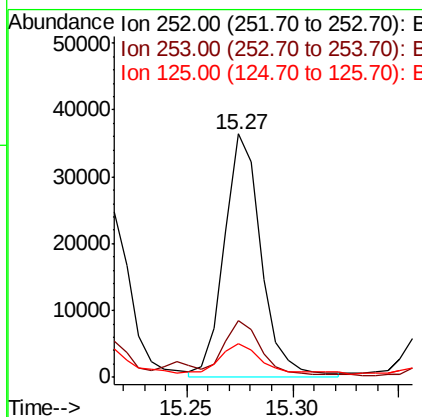
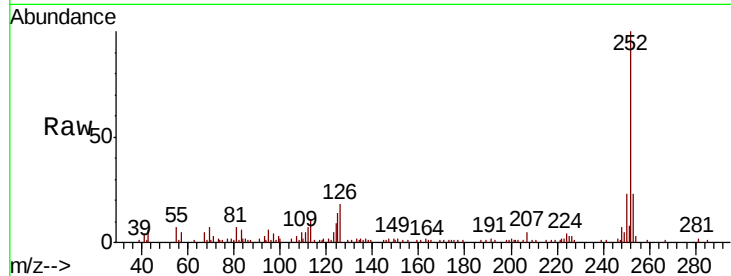
#90
Benzo(a)pyrene
Concen: 11.531 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Instrument :
BNA_F
ClientSampleId :
198-90-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.3	24.5
125	13.9	9.2	13.8

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.169 ng
RT: 17.19 min Scan# 2567
Delta R.T. 0.04 min
Lab File: BF117623.D
Acq: 30 Oct 2019 14:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.4	27.6
138	25.1	17.8	26.6

