

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114673.D
 Acq On : 30 May 2019 21:15
 Operator : HP/JU
 Sample : K3068-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-6W(8-9)

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:47:24 AM

Quant Time: May 31 07:05:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	387148	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1429854	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	695705	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1224266	20.00	ng	0.00
76) Chrysene-d12	13.82	240	673070	20.00	ng	0.00
87) Perylene-d12	15.21	264	918876	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	2118901	96.09	ng	0.01
7) Phenol-d6	6.33	99	2659274	100.08	ng	0.00
23) Nitrobenzene-d5	7.25	82	1641664	71.63	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	534381	80.61	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2546909	65.01	ng	0.00
79) Terphenyl-d14	12.78	244	2043886	57.09	ng	0.00
Target Compounds						
10) Phenol	6.34	94	87589	2.729	ng	Qvalue 89
25) Isophorone	7.51	82	402952m	8.761	ng	
31) Naphthalene	7.99	128	211205	3.207	ng	96
50) Dimethylphthalate	9.44	163	345704	7.131	ng	99
52) Acenaphthene	9.75	154	316148	7.877	ng	99
55) Dibenzofuran	9.92	168	240948	4.217	ng	95
58) Fluorene	10.26	166	371300	5.019	ng	100
71) Phenanthrene	11.22	178	3651750	58.473	ng	98
72) Anthracene	11.27	178	1093586	17.302	ng	98
73) Carbazole	11.42	167	453396	8.162	ng	97
75) Fluoranthene	12.41	202	3395862	52.513	ng	98
78) Pvrene	12.63	202	3459499	60.761	ng	98
81) Benzo(a)anthracene	13.81	228	1920577	37.132	ng	100
83) Chrysene	13.84	228	1688319	34.165	ng	96
84) Bis(2-ethylhexyl)phthalate	13.83	149	2111171	59.679	ng	100
86) Indeno(1,2,3-cd)pyrene	16.53	276	845412	17.081	ng	95
88) Benzo(b)fluoranthene	14.82	252	2304249m	39.815	ng	
89) Benzo(k)fluoranthene	14.84	252	573900m	11.409	ng	
90) Benzo(a)pvrene	15.16	252	1680039	33.044	ng	99
91) Dibenzo(a,h)anthracene	16.54	278	213722m	4.757	ng	
92) Benzo(g,h,i)perylene	16.92	276	744414	17.072	ng	99

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

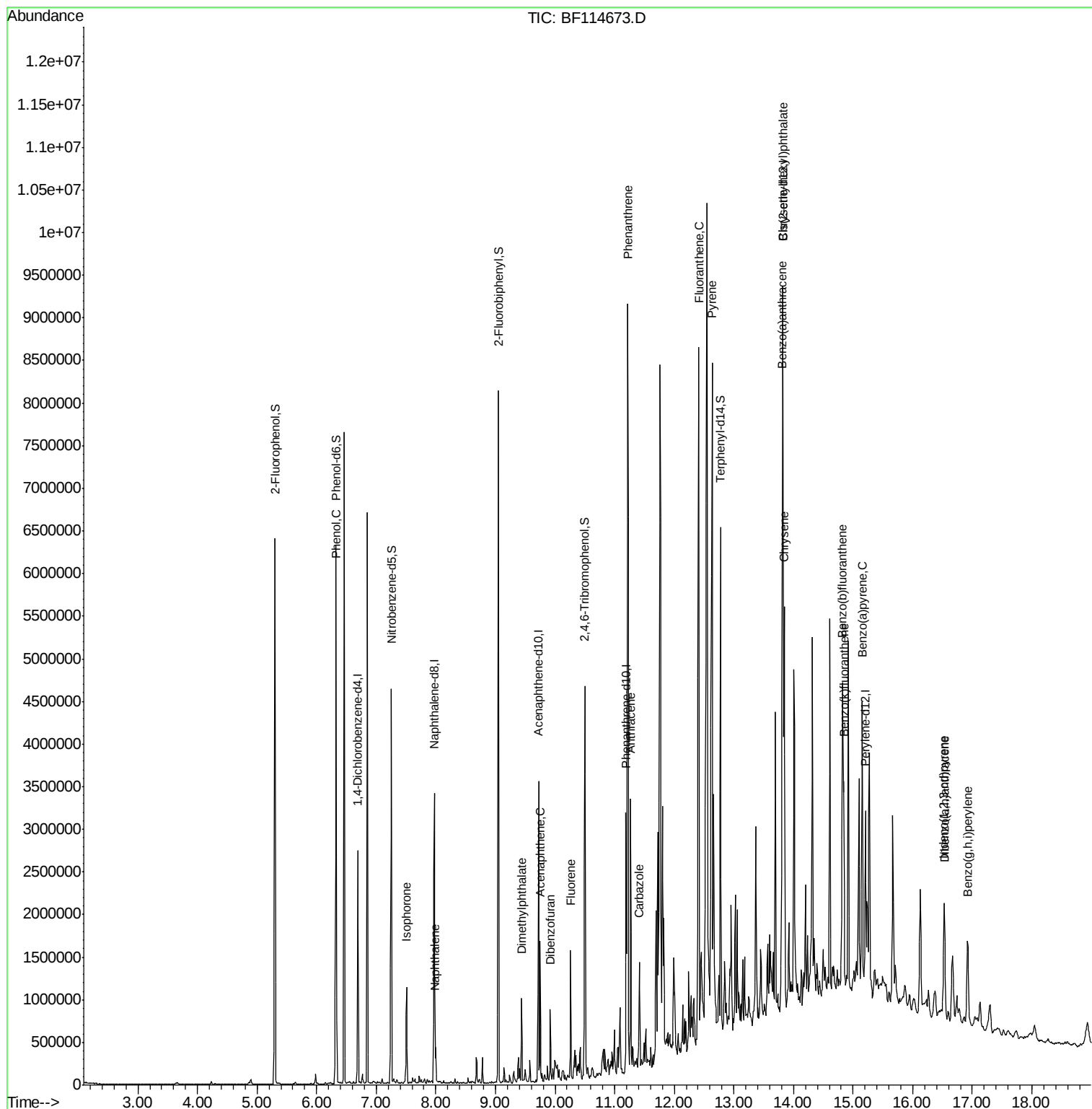
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
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#1

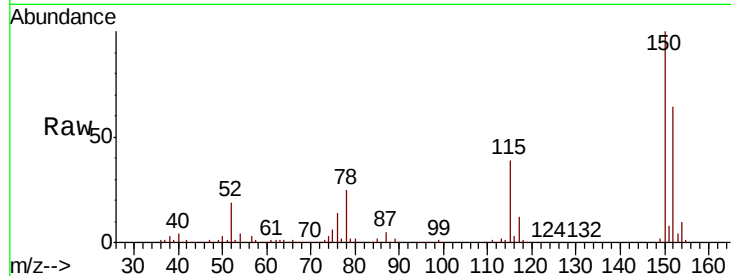
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Instrument :
BNA_F
ClientSampleId :
B-6W(8-9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.4	186.6
115	60.1	48.7	73.1

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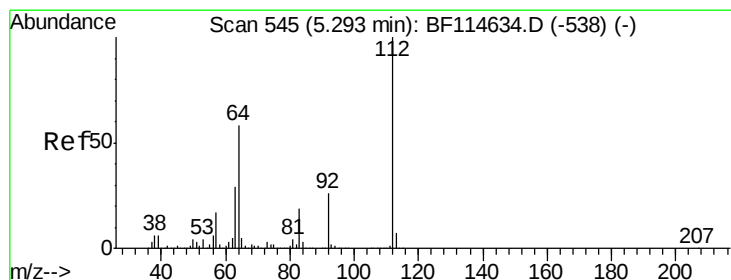
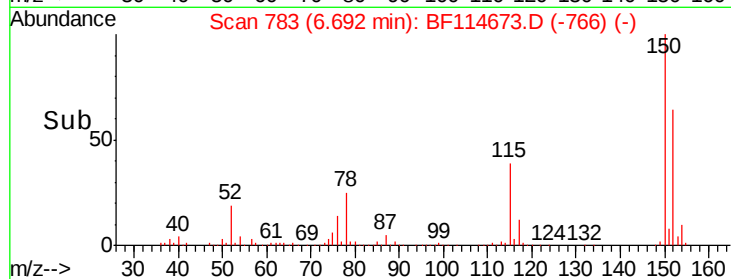
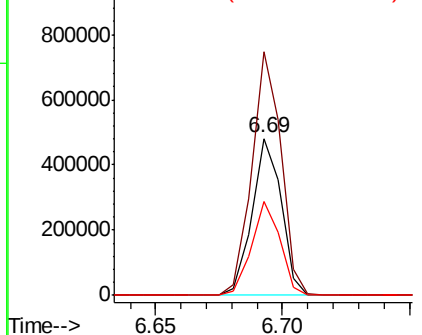


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

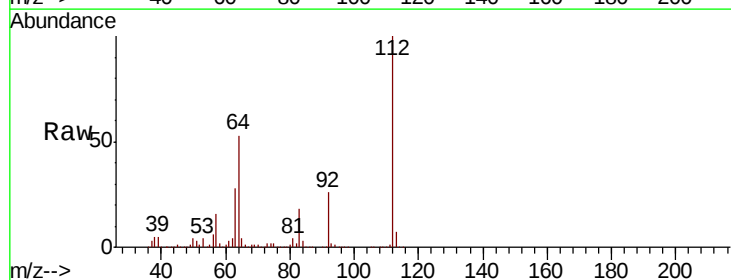
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.092 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	46.1	69.1
63	27.6	23.4	35.2

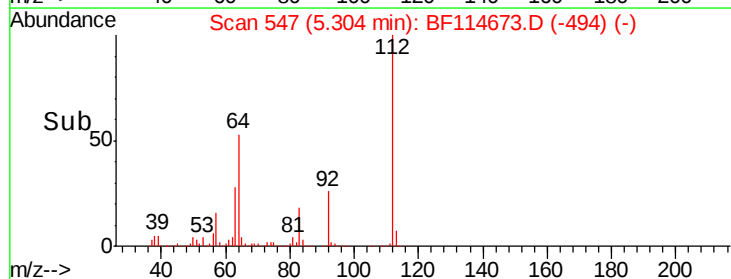
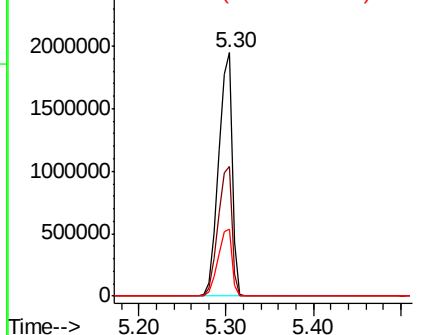


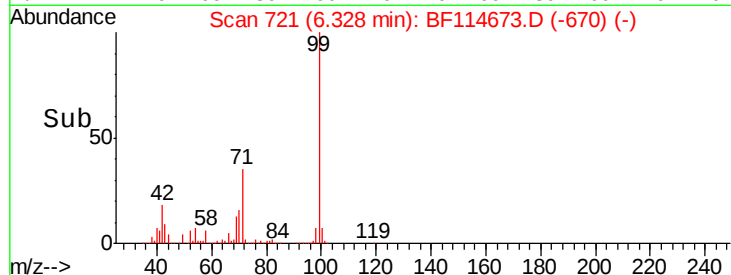
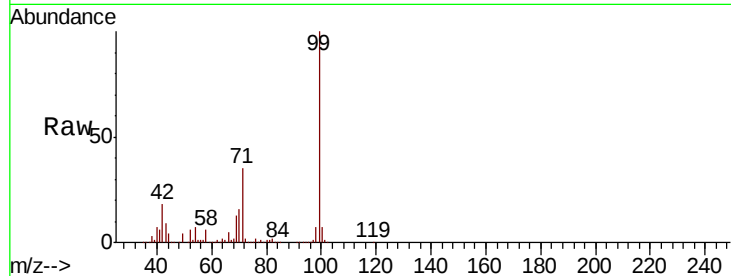
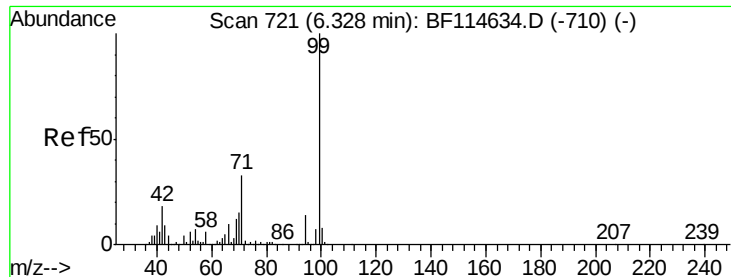
Abundance

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: 100.078 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF114673.D

Acq: 30 May 2019 21:15

Tot Ion:	99	Resp:	2659274
Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.7	22.1
71	34.8	26.6	40.0

Instrument :

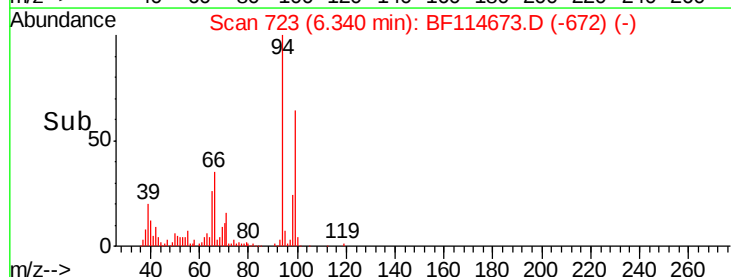
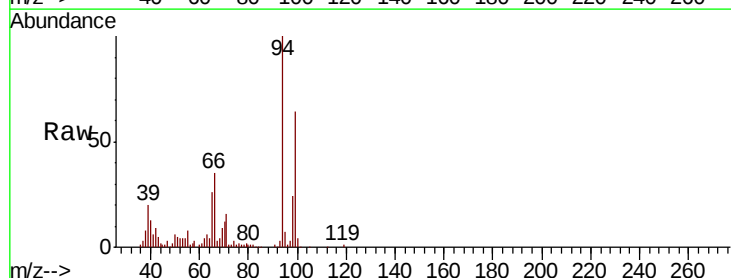
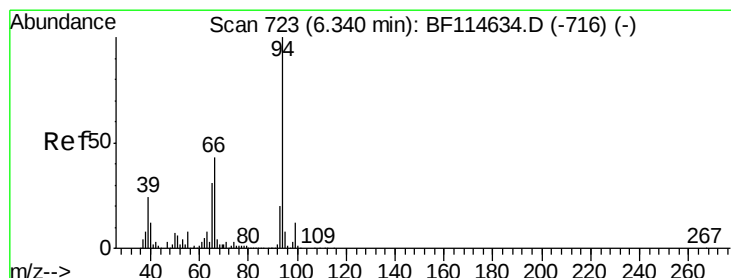
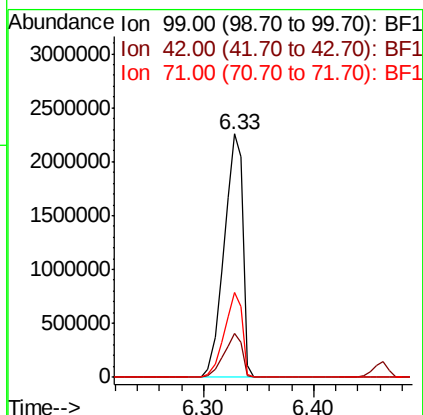
BNA_F

ClientSampleId :

B-6W(8-9)

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#10

Phenol

Concen: 2.729 ng

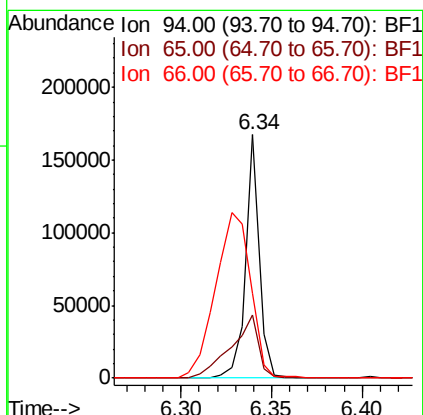
RT: 6.34 min Scan# 723

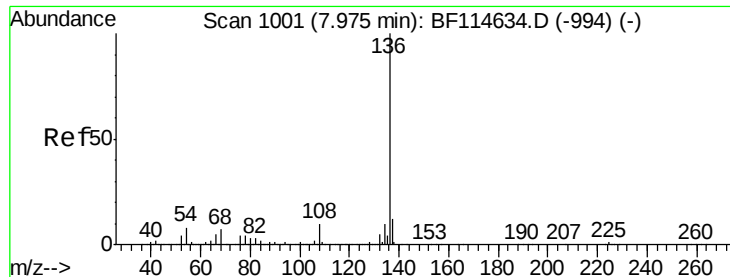
Delta R.T. -0.00 min

Lab File: BF114673.D

Acq: 30 May 2019 21:15

Tgt Ion:	94	Resp:	87589
Ion	Ratio	Lower	Upper
94	100		
65	26.1	11.0	51.0
66	34.8	23.0	63.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF114673.D

Acq: 30 May 2019 21:15

Instrument :

BNA_F

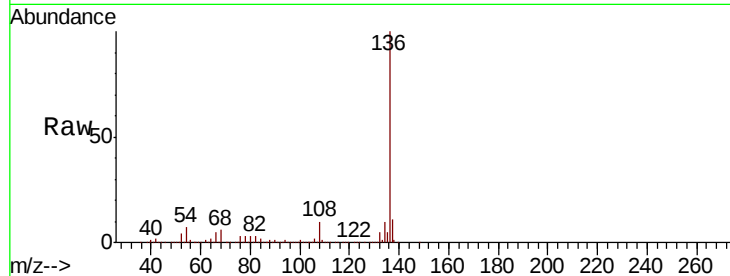
ClientSampleId :

B-6W(8-9)

Tot Ion	136	Resp	1429854
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	6.7	6.3	9.5
68	5.8	5.4	8.0

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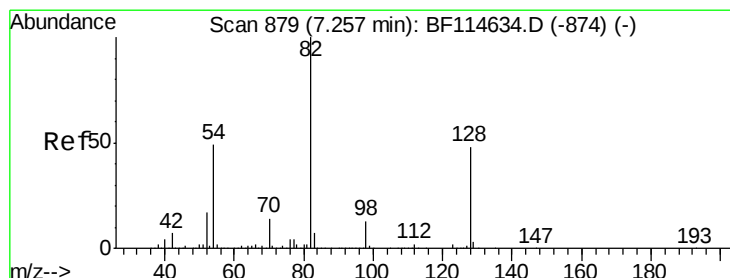
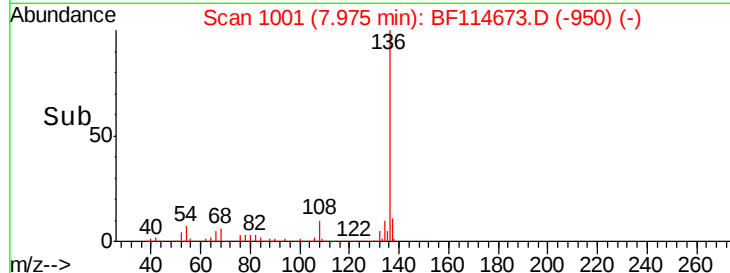
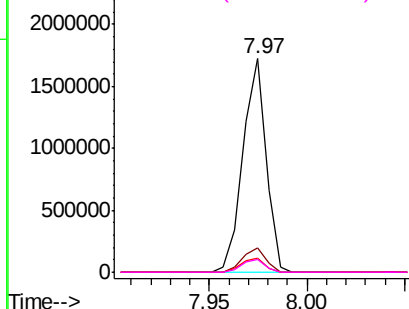
Abundance

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: 71.631 ng

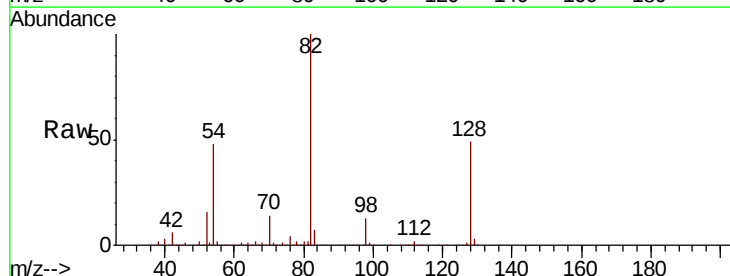
RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF114673.D

Acq: 30 May 2019 21:15

Tgt Ion	82	Resp	1641664
Ion	Ratio	Lower	Upper
82	100		
128	49.3	38.5	57.7
54	48.1	39.1	58.7

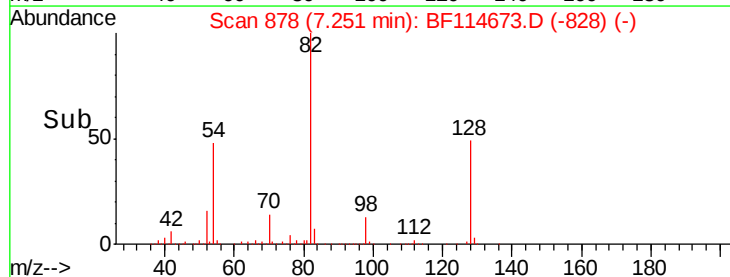
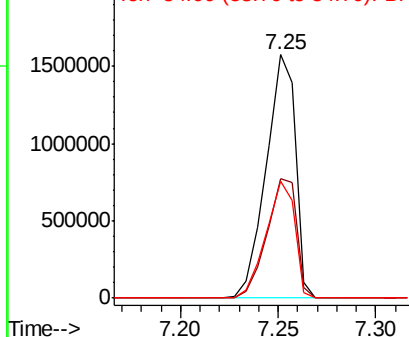


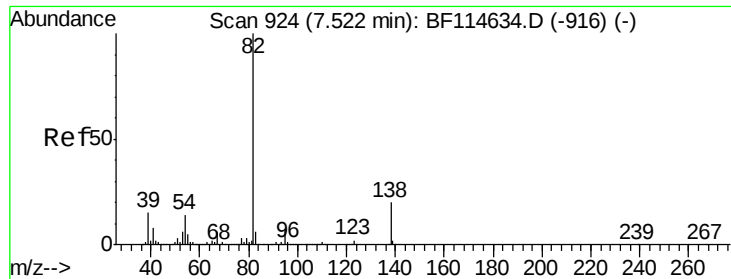
Abundance

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





#25

Isophorone

Concen: 8.761 ng m

RT: 7.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF114673.D

Acq: 30 May 2019 21:15

Instrument :

BNA_F

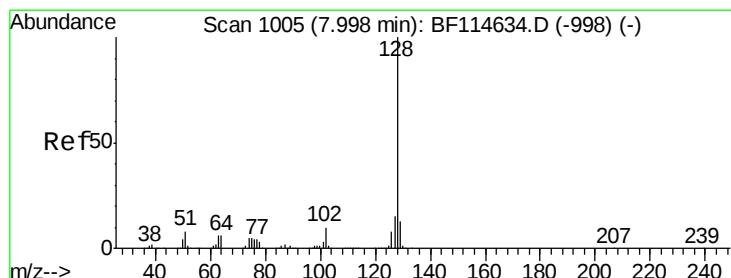
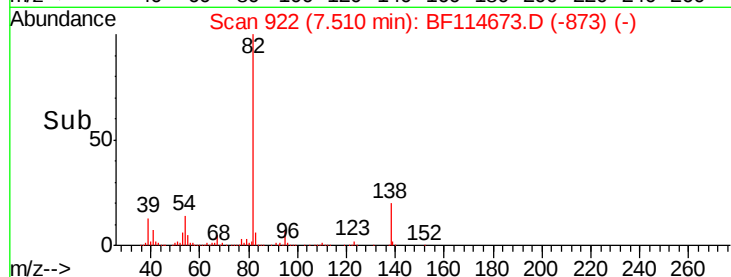
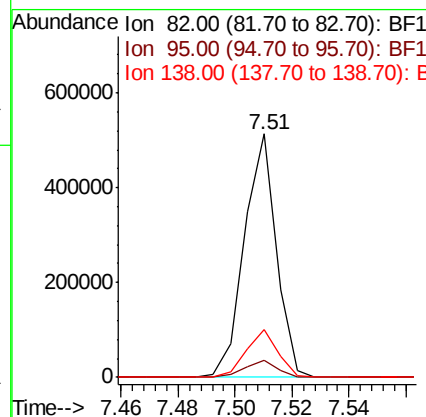
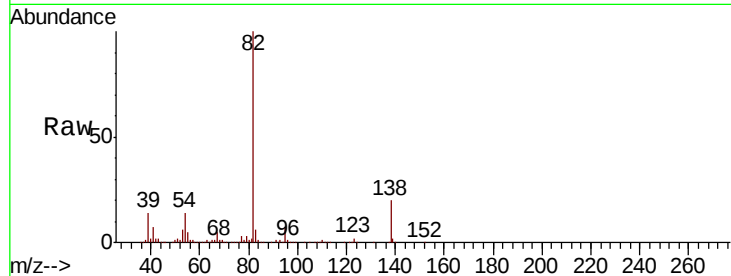
ClientSampleId :

B-6W(8-9)

Tot Ion	82	Resp	402952
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.6	8.4
138	19.6	15.9	23.9

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#31

Naphthalene

Concen: 3.207 ng

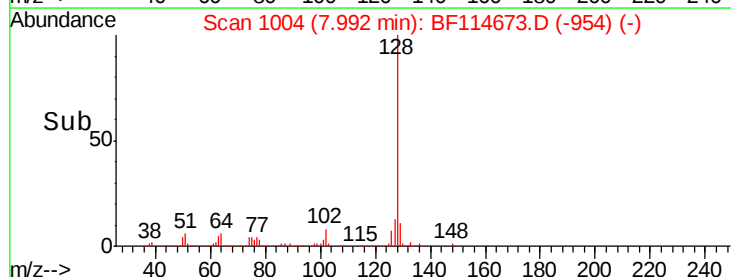
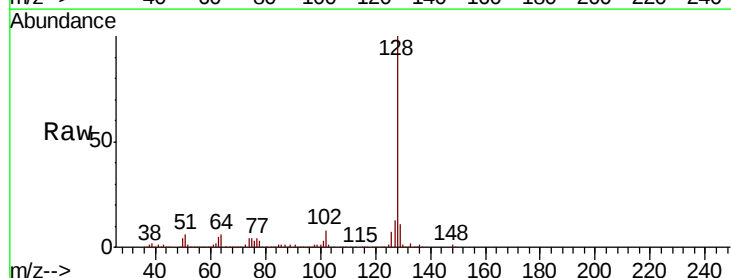
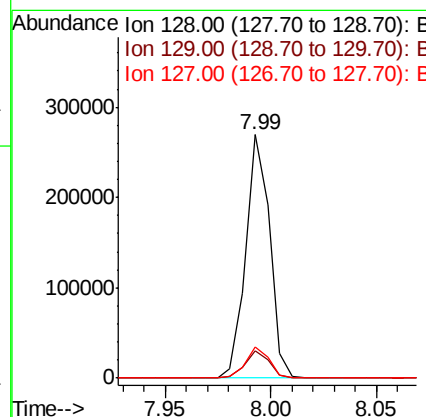
RT: 7.99 min Scan# 1004

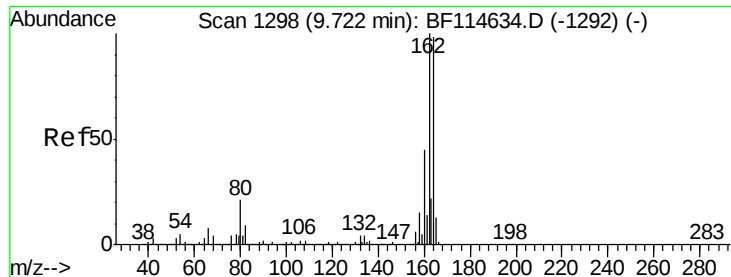
Delta R.T. -0.01 min

Lab File: BF114673.D

Acq: 30 May 2019 21:15

Tgt Ion	128	Resp	211205
Ion Ratio	Lower	Upper	
128	100		
129	11.0	10.2	15.2
127	13.0	11.9	17.9





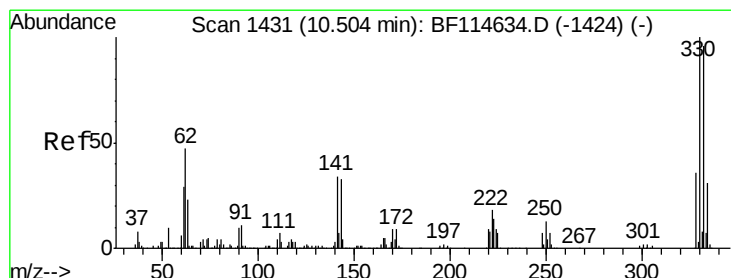
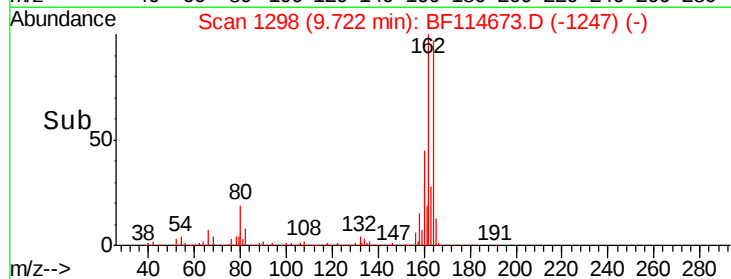
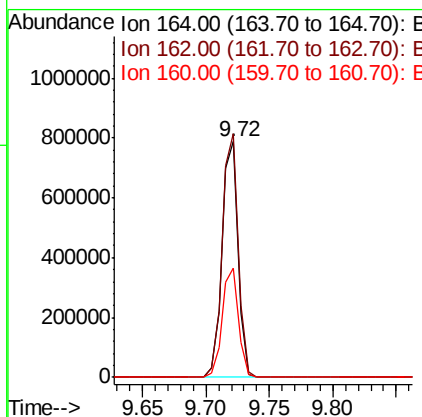
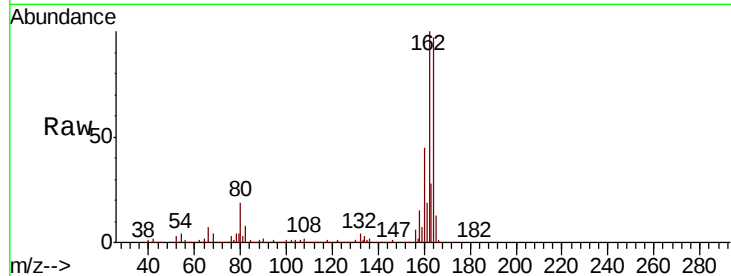
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Instrument :
BNA_F
ClientSampled :
B-6W(8-9)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	695705		
162	103.2		81.4	122.2
160	46.3		36.6	54.8

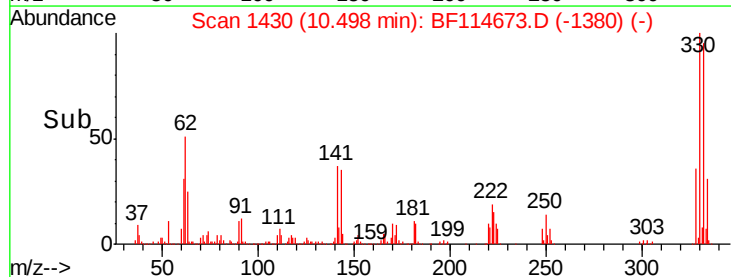
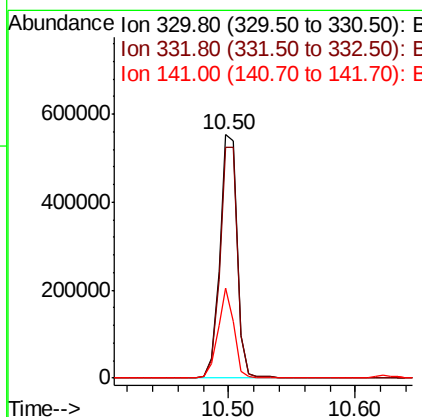
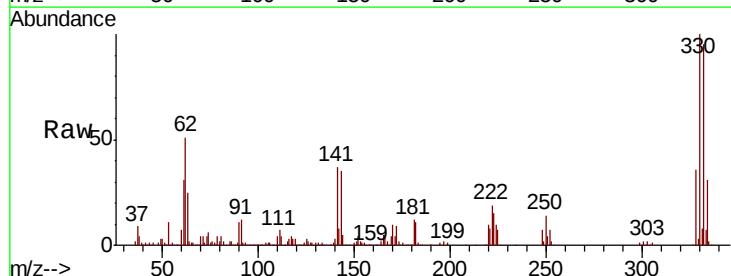
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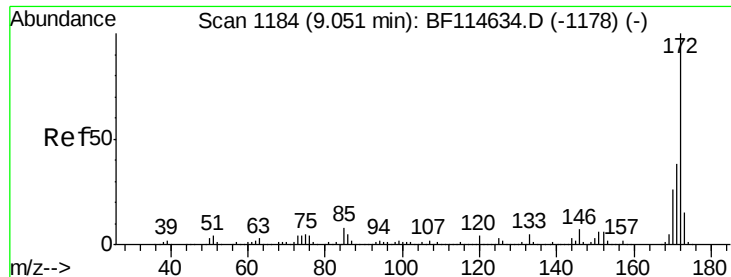
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#42
2,4,6-Tribromophenol
Concen: 80.613 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	534381		
332	95.8		75.8	113.8
141	34.3		27.8	41.8





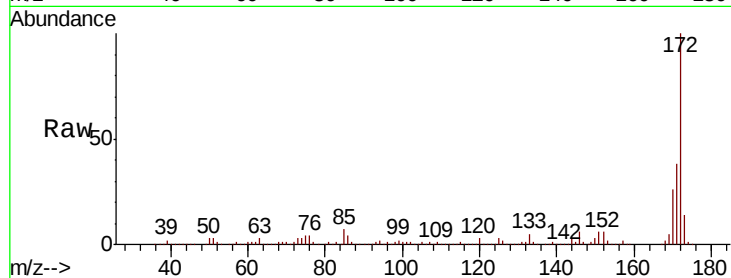
#45
2-Fluorobiphenyl
Concen: 65.005 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Instrument :
BNA_F
ClientSampleId :
B-6W(8-9)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.6	45.8
170	26.3	20.7	31.1

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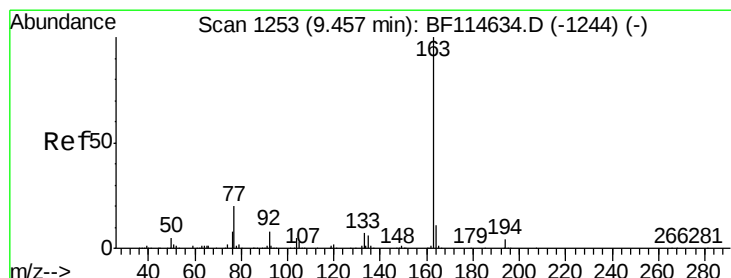
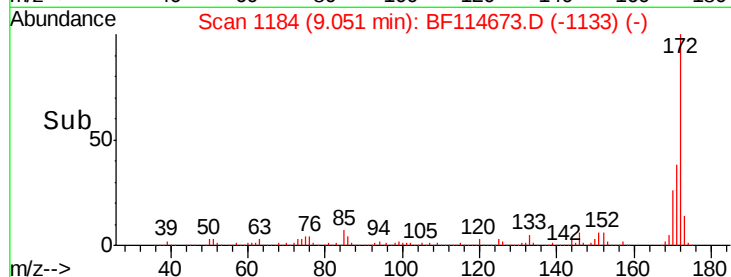
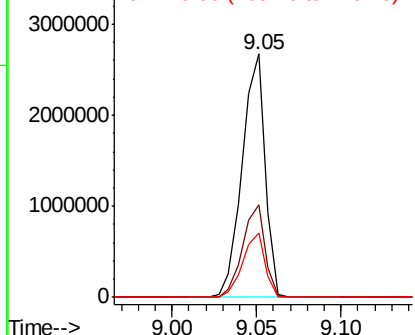


Abundance

Ion 172.00 (171.70 to 172.70): E

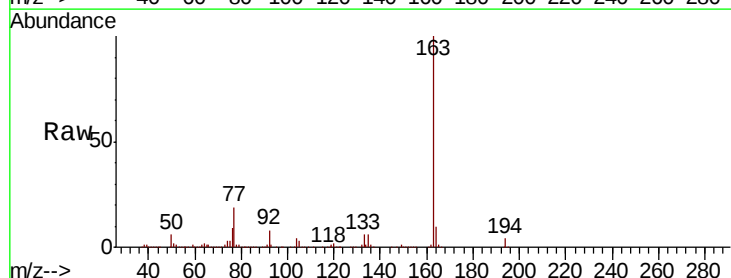
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.131 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	10.4	8.6	13.0

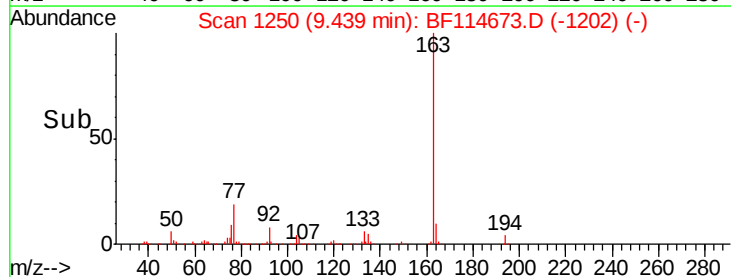
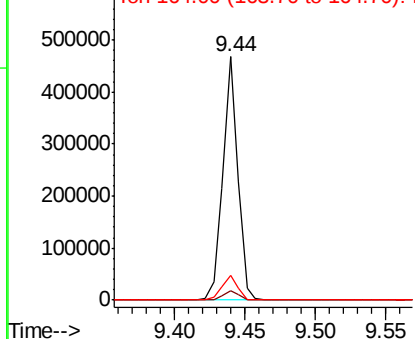


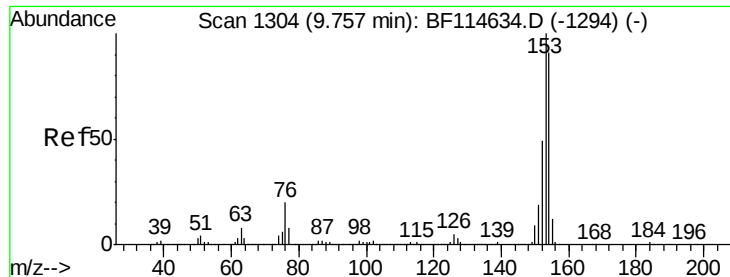
Abundance

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: 7.877 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF114673.D

Acq: 30 May 2019 21:15

Instrument :

BNA_F

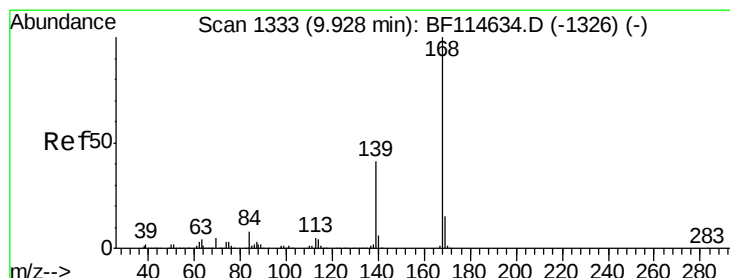
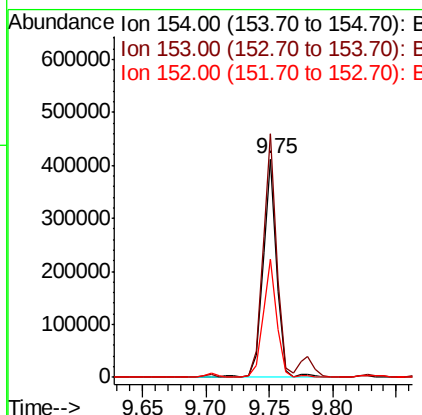
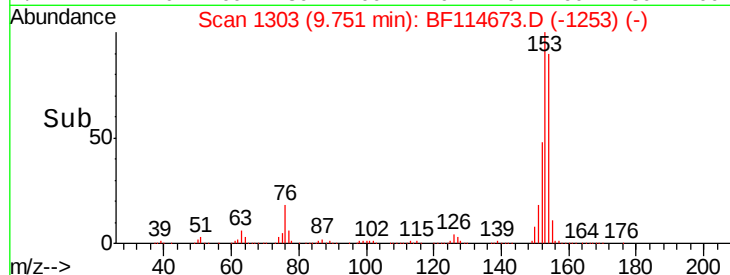
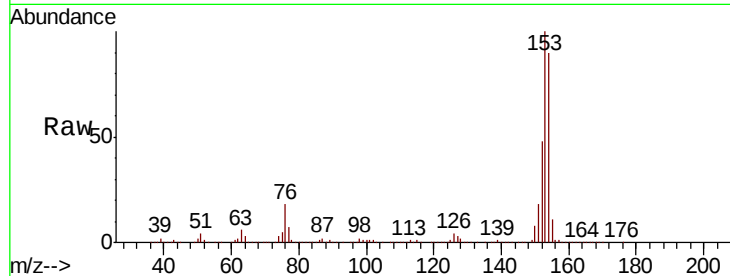
ClientSampleId :

B-6W(8-9)

Tot Ion:	154	Resp:	316148
Ion Ratio	Lower	Upper	
154	100		
153	111.5	88.4	132.6
152	54.0	43.4	65.0

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#55

Dibenzofuran

Concen: 4.217 ng

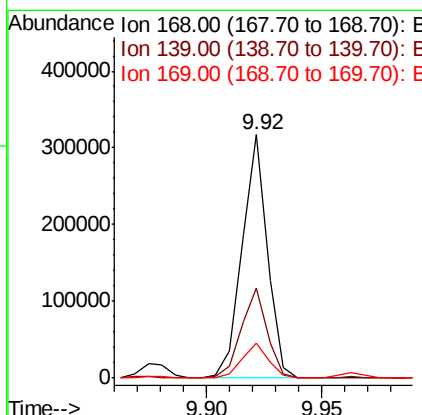
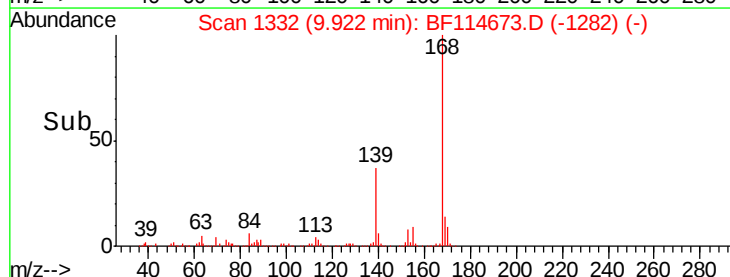
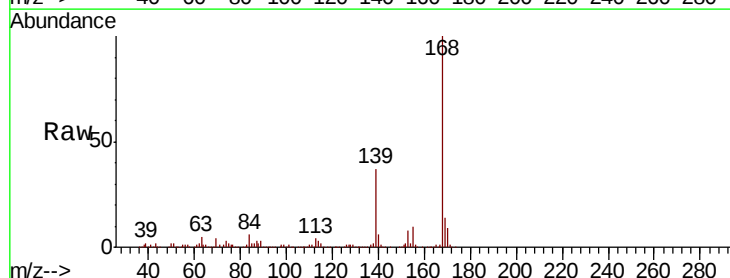
RT: 9.92 min Scan# 1332

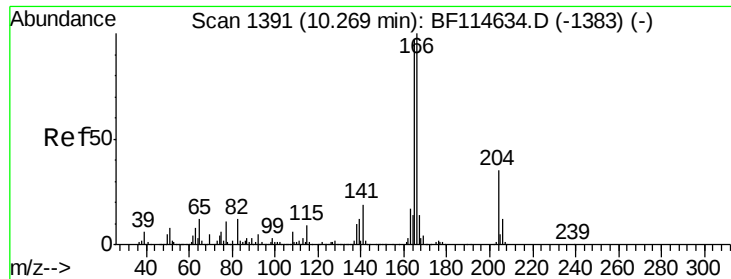
Delta R.T. -0.01 min

Lab File: BF114673.D

Acq: 30 May 2019 21:15

Tgt Ion:	168	Resp:	240948
Ion Ratio	Lower	Upper	
168	100		
139	37.0	32.6	48.8
169	14.4	11.8	17.8





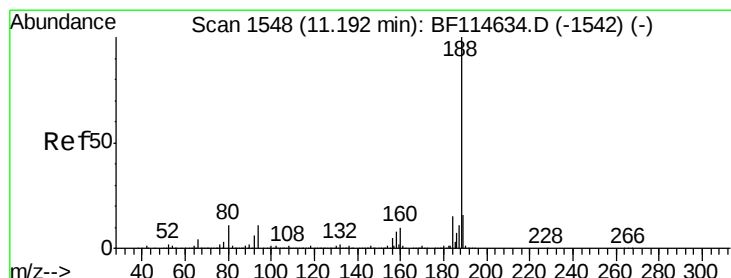
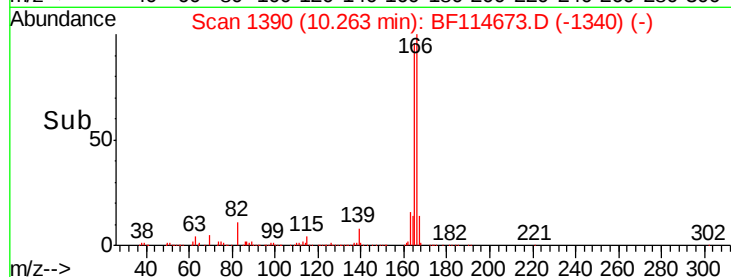
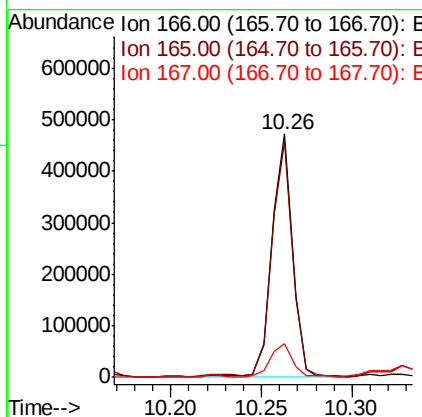
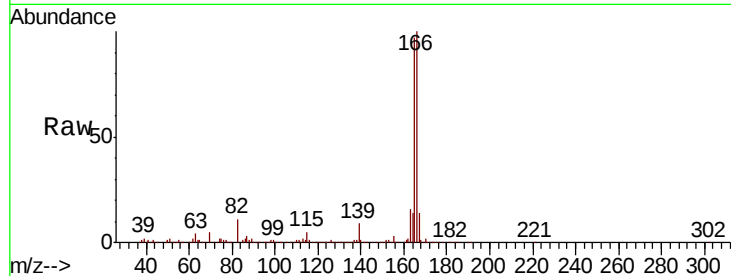
#58
 Fluorene
 Concen: 5.019 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: BF114673.D
 Acq: 30 May 2019 21:15

Instrument :
 BNA_F
 ClientSampleId :
 B-6W(8-9)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		371300		
165	96.7	77.6	116.4		
167	14.0	11.2	16.8		

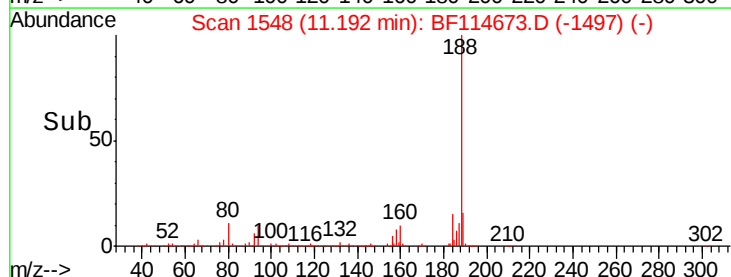
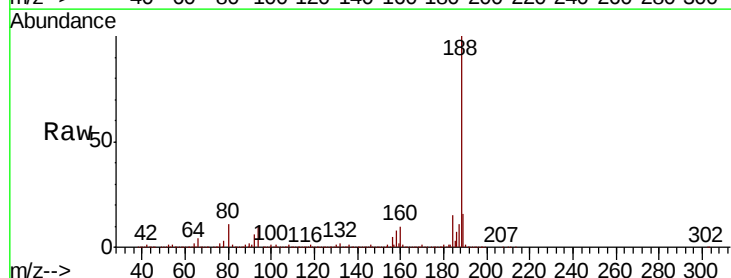
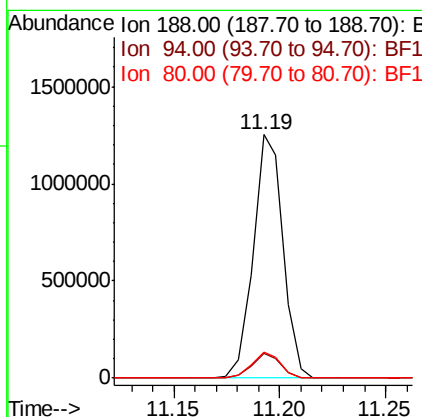
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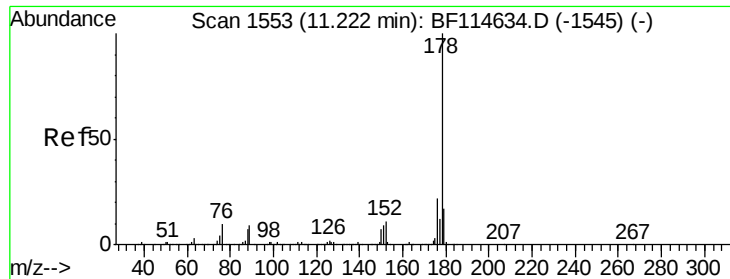
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. 0.00 min
 Lab File: BF114673.D
 Acq: 30 May 2019 21:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		1224266		
94	10.4	8.6	13.0		
80	10.9	9.0	13.6		





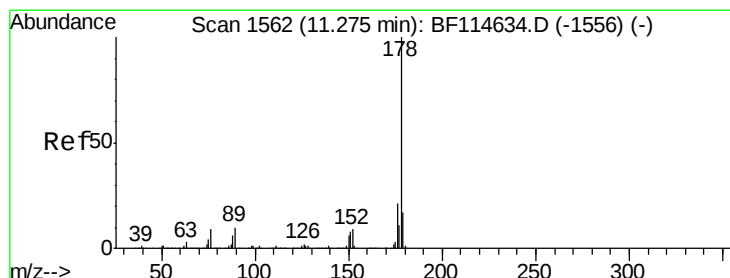
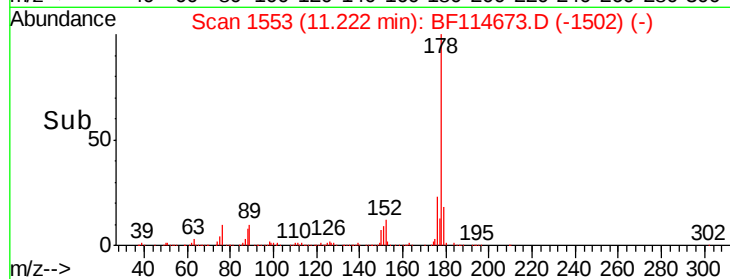
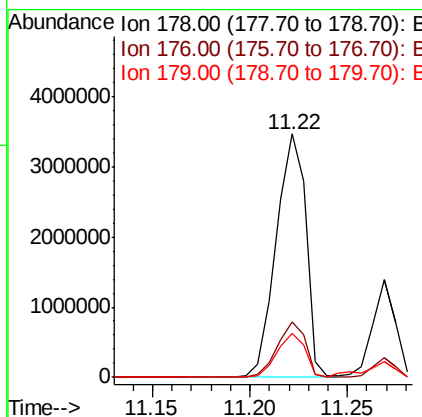
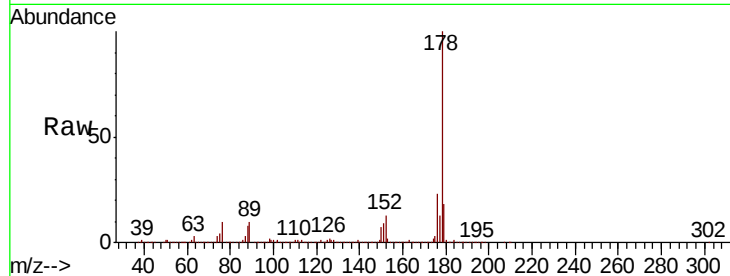
#71
Phenanthrene
Concen: 58.473 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Instrument :
BNA_F
ClientSampleId :
B-6W(8-9)

Tot Ion	Ratio	Lower	Upper
178	100		
176	22.6	17.2	25.8
179	18.1	13.9	20.9

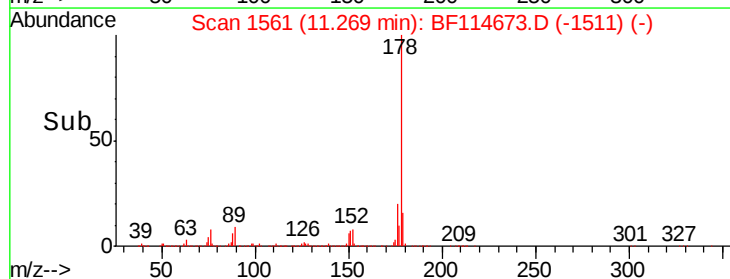
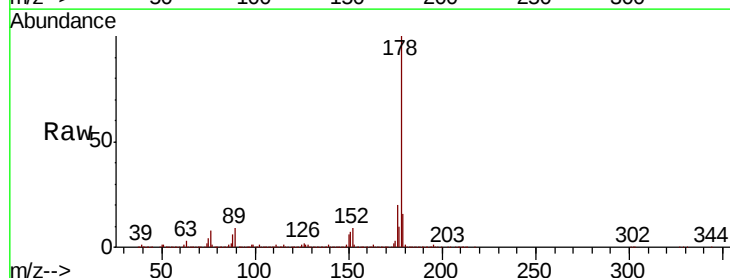
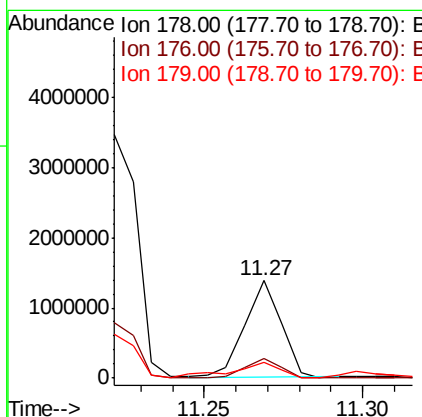
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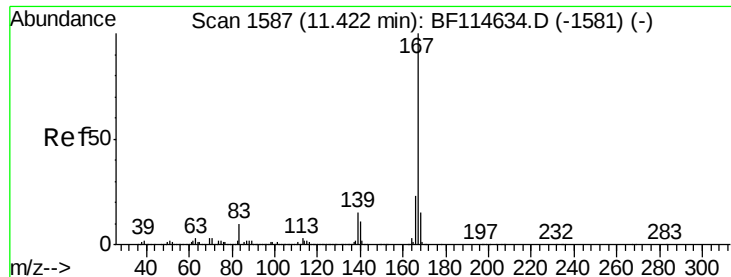
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#72
Anthracene
Concen: 17.302 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.6	24.8
179	15.7	13.4	20.0





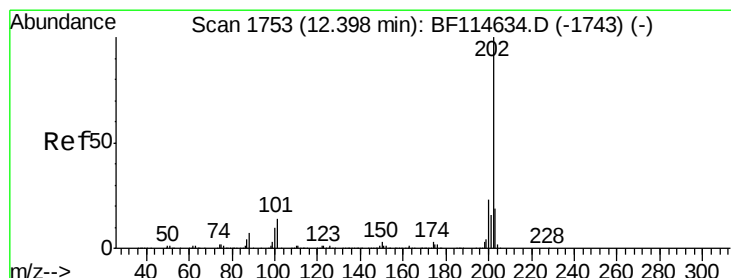
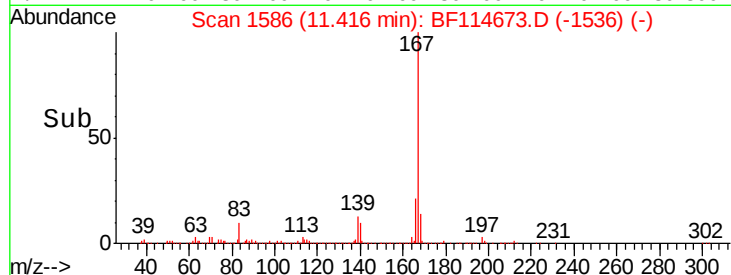
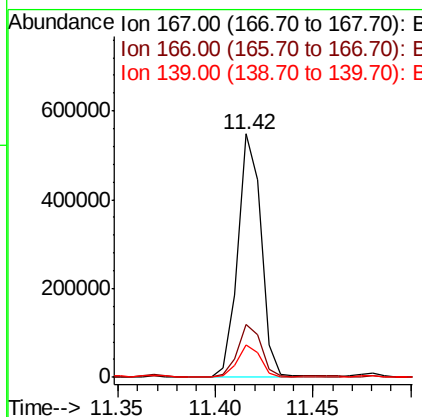
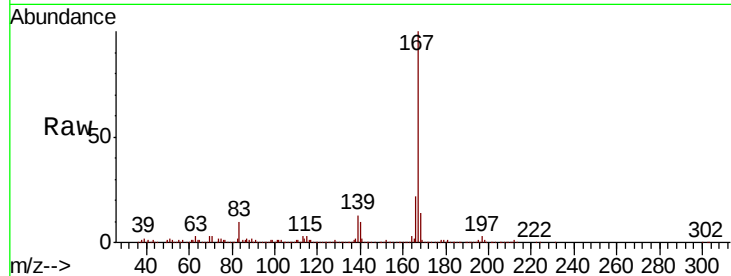
#73
 Carbazole
 Concen: 8.162 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF114673.D
 Acq: 30 May 2019 21:15

Instrument :
 BNA_F
 ClientSampleId :
 B-6W(8-9)

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.7	28.1
139	13.2	11.8	17.8

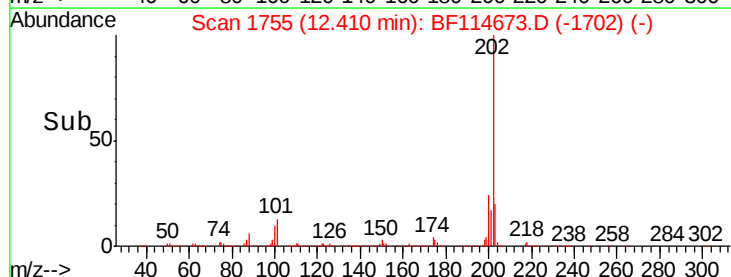
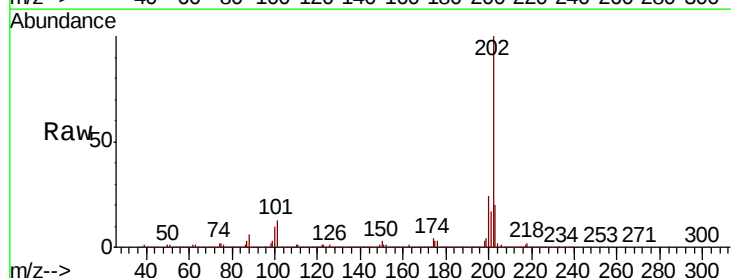
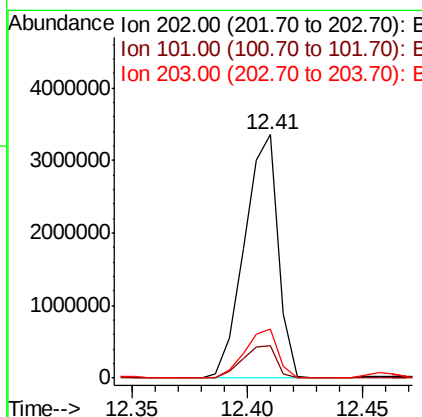
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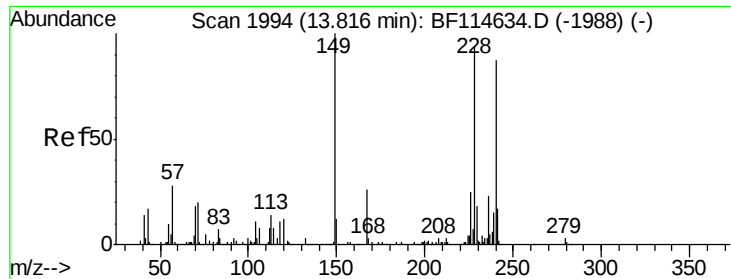
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#75
 Fluoranthene
 Concen: 52.513 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. 0.01 min
 Lab File: BF114673.D
 Acq: 30 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.9
203	20.2	0.0	39.1





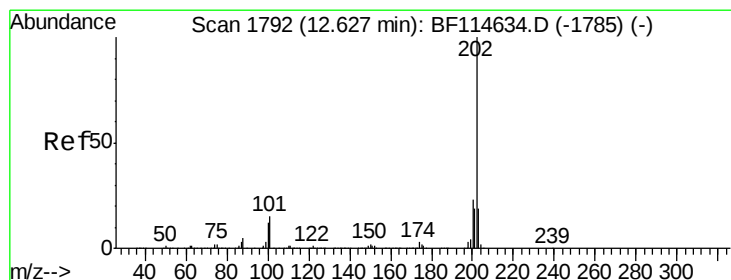
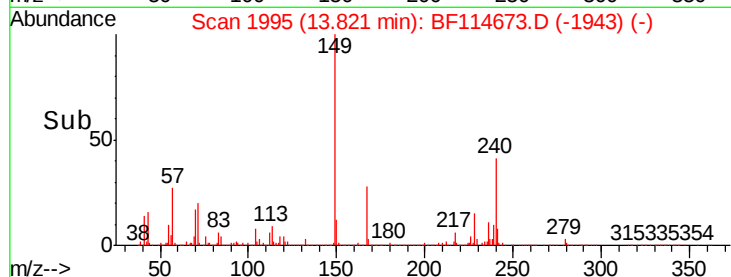
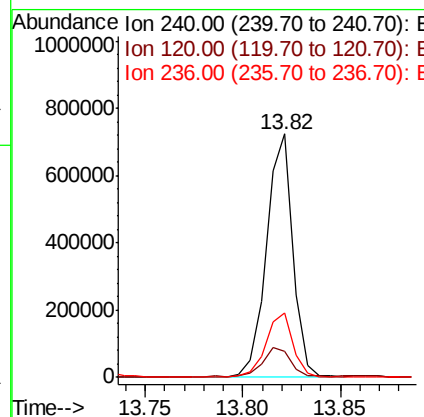
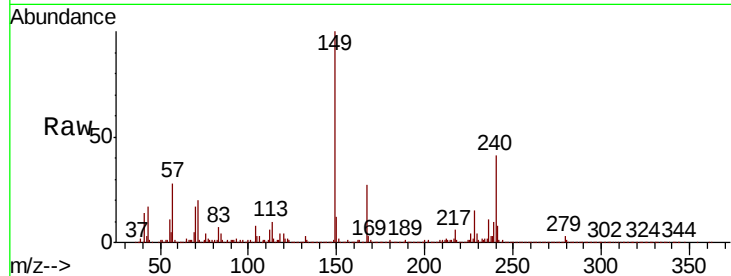
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.01 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Instrument :
BNA_F
ClientSampleId :
B-6W(8-9)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	11.2	16.8#
236	26.5	21.2	31.8

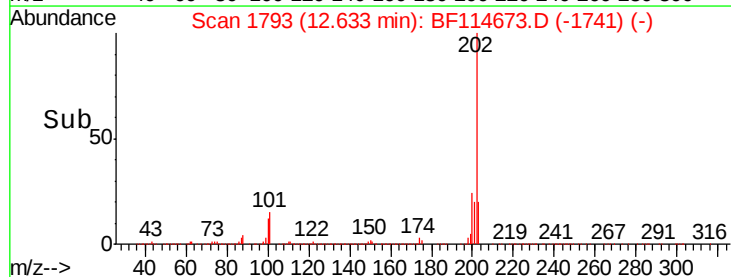
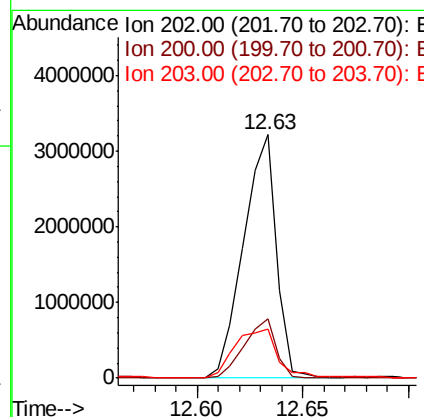
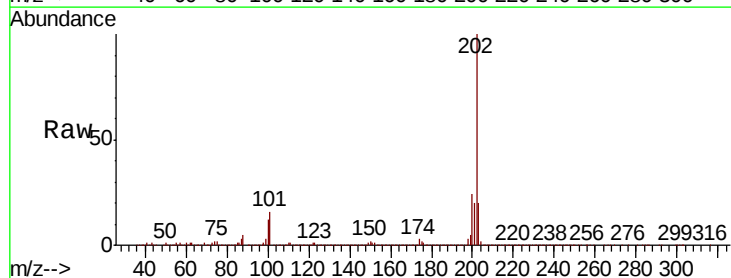
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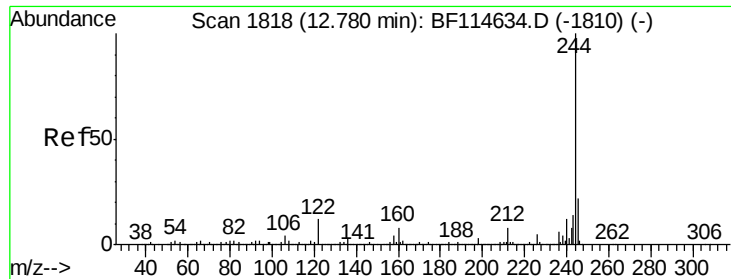
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#78
Pyrene
Concen: 60.761 ng
RT: 12.63 min Scan# 1793
Delta R.T. 0.01 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.4	18.6	28.0
203	20.3	15.4	23.2





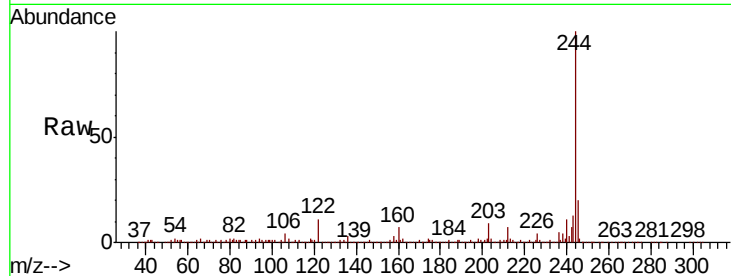
#79
 Terphenyl-d14
 Concen: 57.094 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: BF114673.D
 Acq: 30 May 2019 21:15

Instrument :
 BNA_F
 ClientSampled :
 B-6W(8-9)

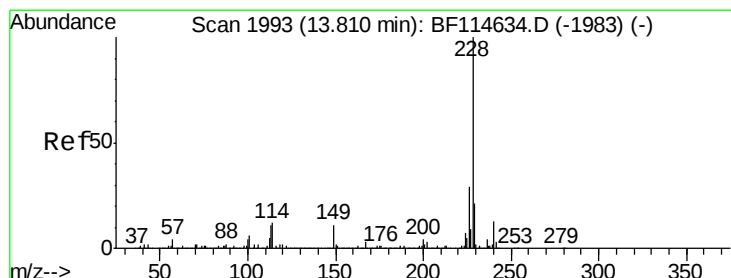
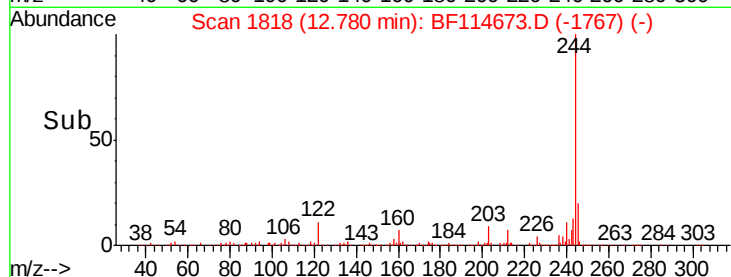
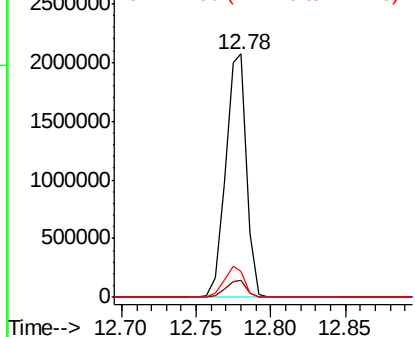
Tot Ion:244 Resp: 2043886
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 10.9 9.8 14.8

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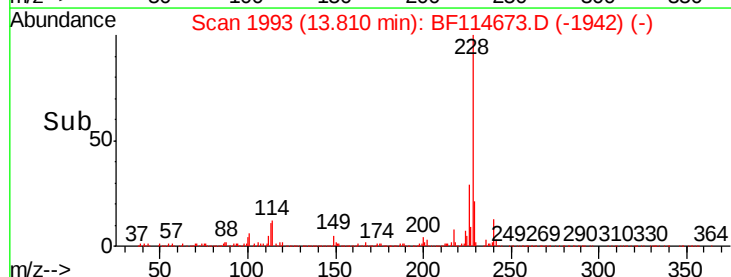
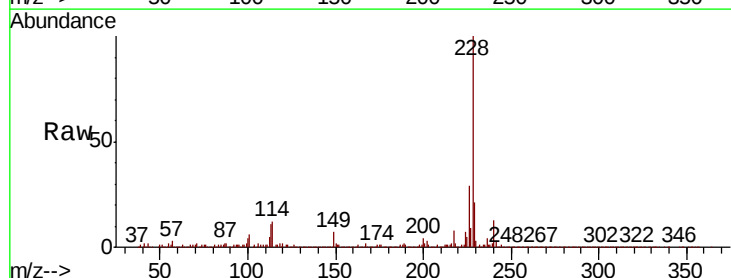
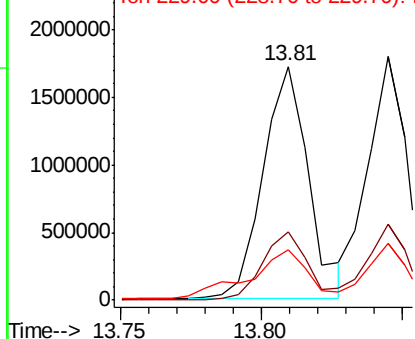
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

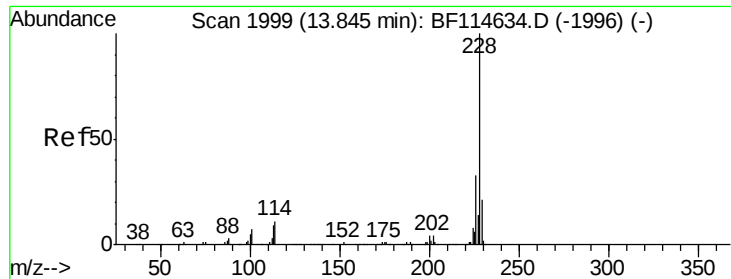


#81
 Benzo(a)anthracene
 Concen: 37.132 ng
 RT: 13.81 min Scan# 1993
 Delta R.T. -0.00 min
 Lab File: BF114673.D
 Acq: 30 May 2019 21:15

Tgt Ion:228 Resp: 1920577
 Ion Ratio Lower Upper
 228 100
 226 29.2 23.0 34.6
 229 21.3 17.0 25.4

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





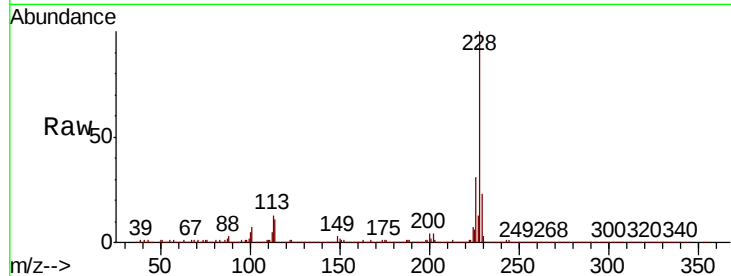
#83
Chrysene
Concen: 34.165 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Instrument :
BNA_F
ClientSampleId :
B-6W(8-9)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	26.4	39.6
229	23.1	17.1	25.7

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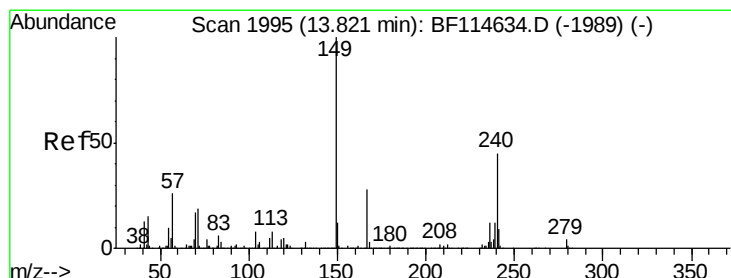
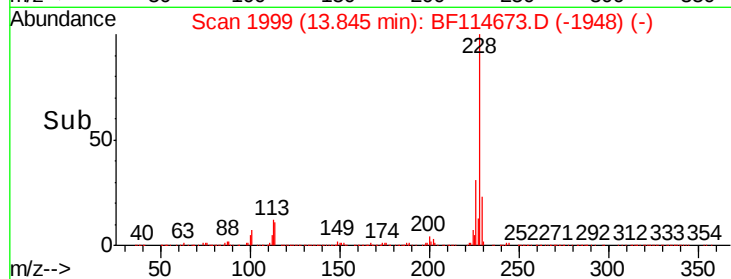
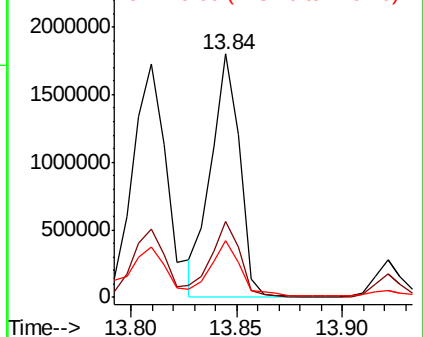


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
Bis(2-ethylhexyl)phthalate
Concen: 59.679 ng
RT: 13.83 min Scan# 1996
Delta R.T. 0.01 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

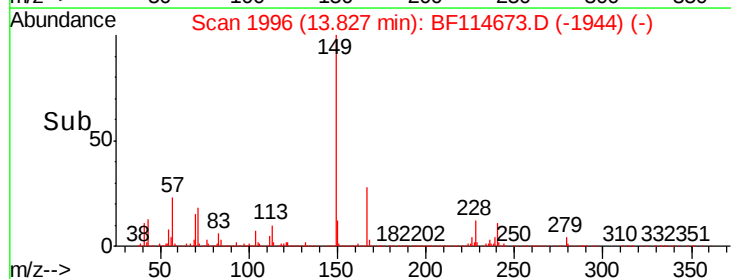
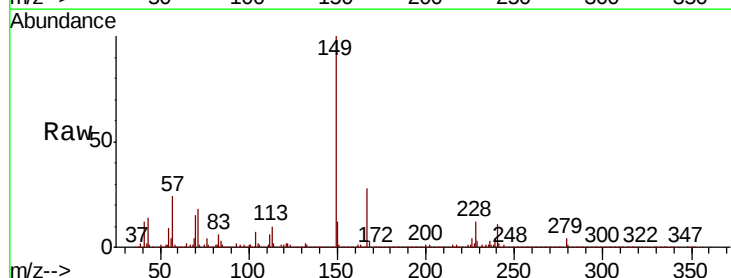
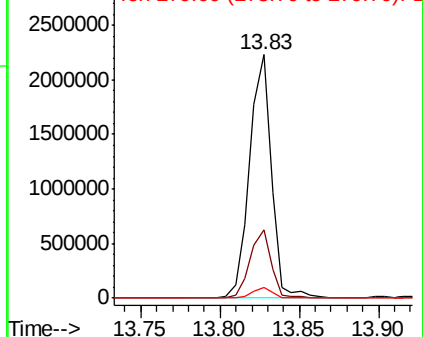
Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.6	33.8
279	4.4	3.0	4.4

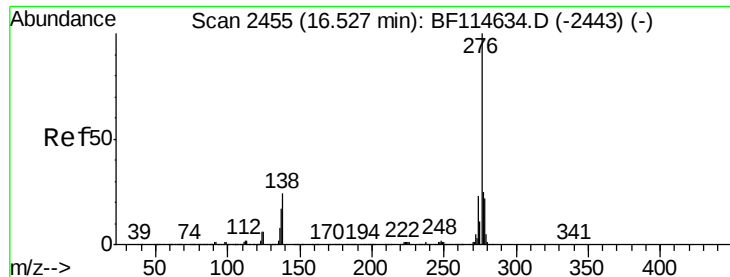
Abundance

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





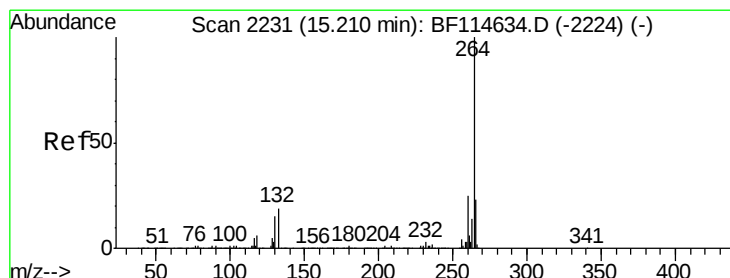
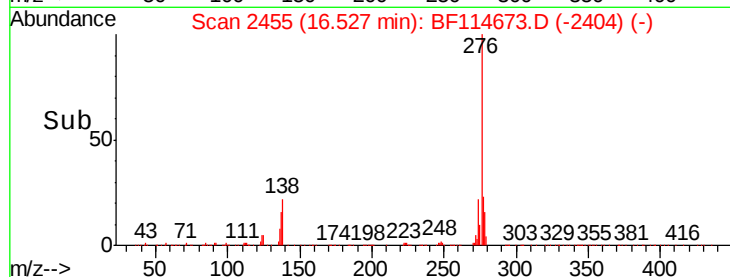
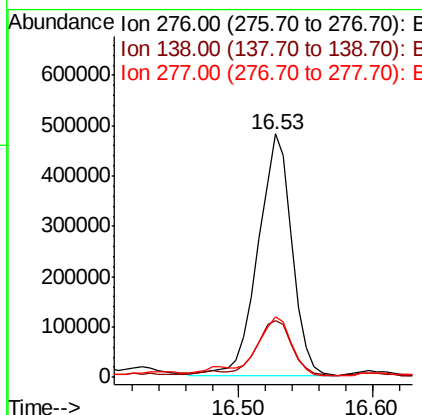
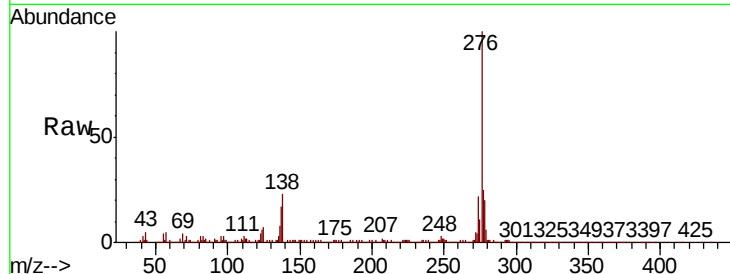
#86
Indeno(1,2,3-cd)pyrene
Concen: 17.081 ng
RT: 16.53 min Scan# 2455
Delta R.T. 0.00 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Instrument :
BNA_F
ClientSampleId :
B-6W(8-9)

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	23.0	34.6
277	24.0	20.5	30.7

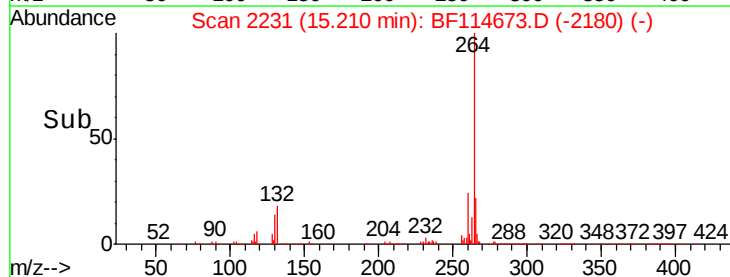
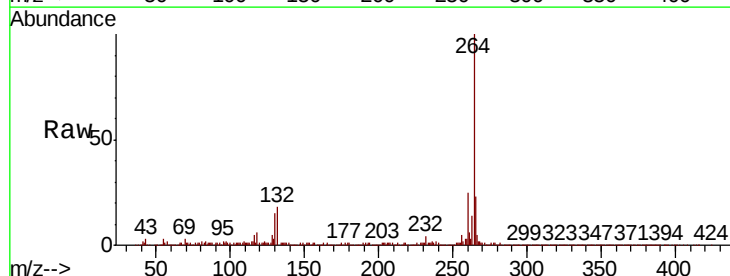
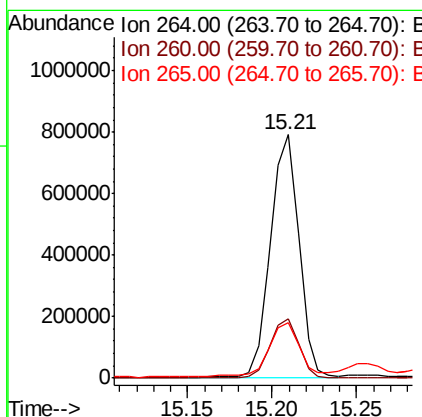
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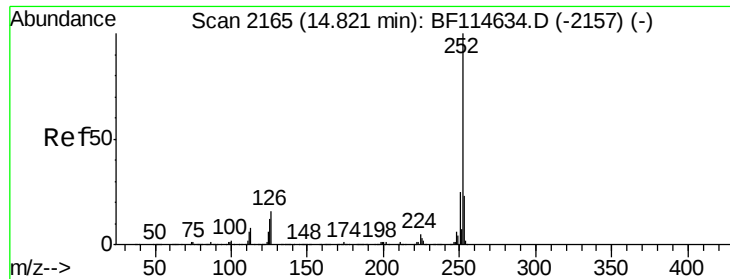
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.00 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	22.6	18.1	27.1





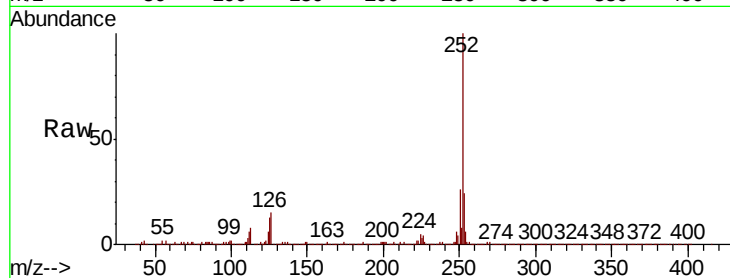
#88
Benzo(b)fluoranthene
Concen: 39.815 ng m
RT: 14.82 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Instrument :
BNA_F
ClientSampleId :
B-6W(8-9)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.7	28.1
125	13.0	9.4	14.2

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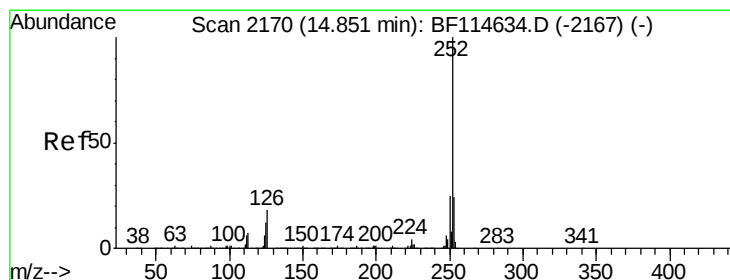
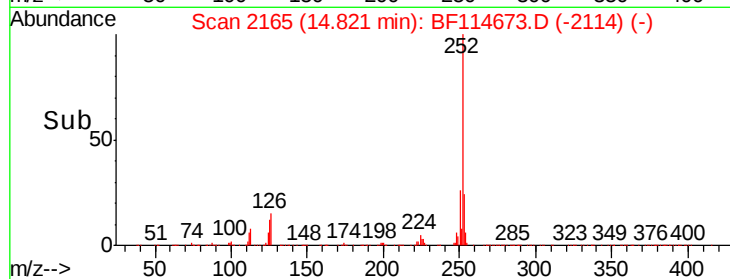
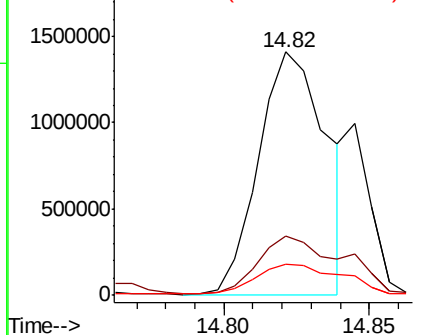


Abundance

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



#89
Benzo(k)fluoranthene
Concen: 11.409 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

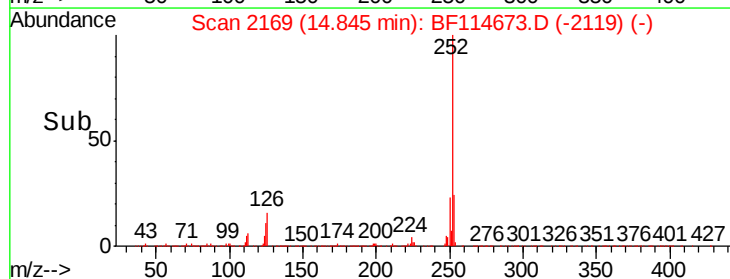
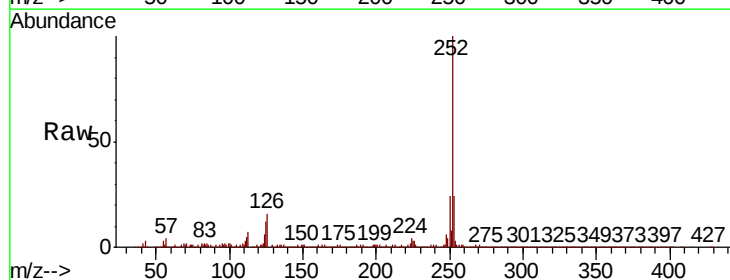
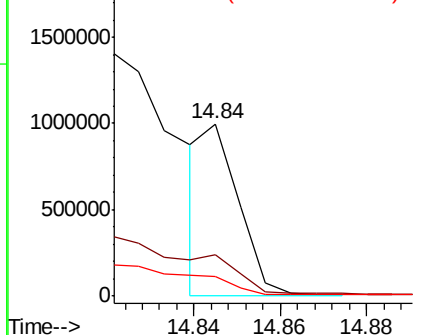
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.9	28.3
125	11.6	9.5	14.3

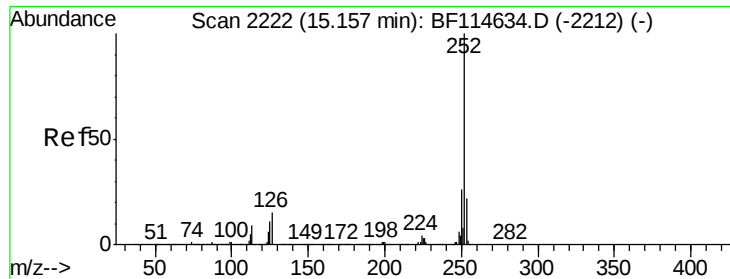
Abundance

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





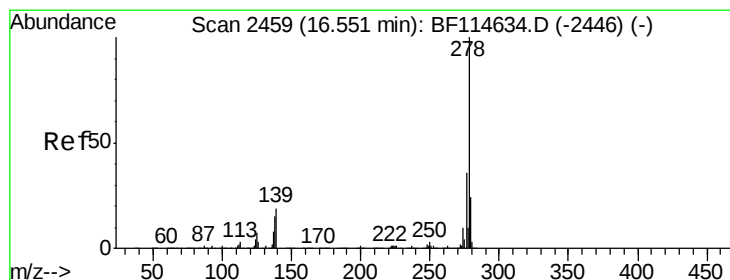
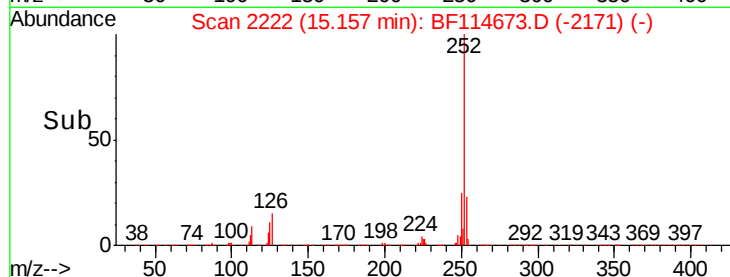
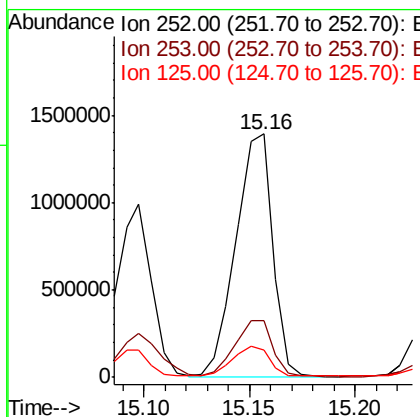
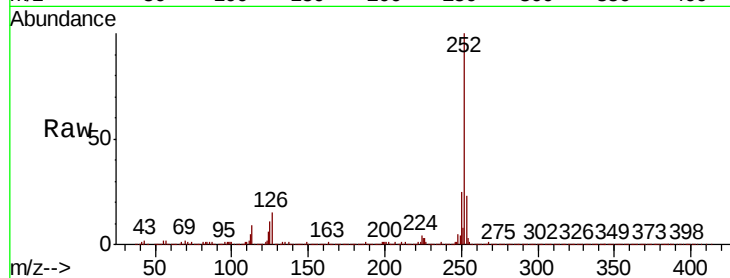
#90
Benzo(a)pyrene
Concen: 33.044 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.00 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Instrument :
BNA_F
ClientSampleId :
B-6W(8-9)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.5	9.2	13.8

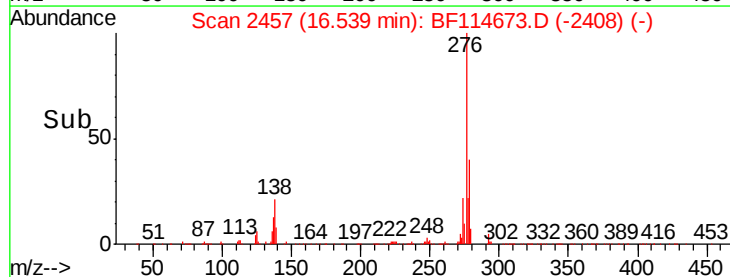
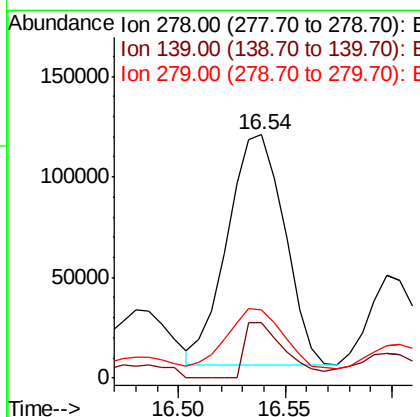
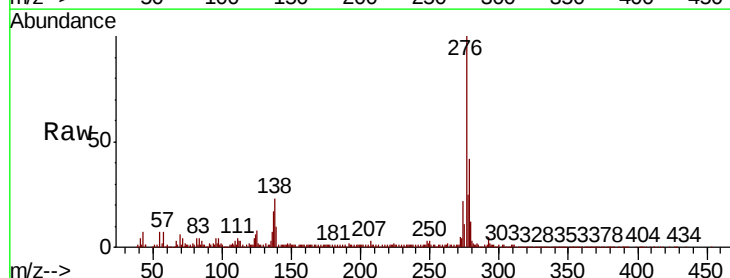
Manual Integrations
APPROVED

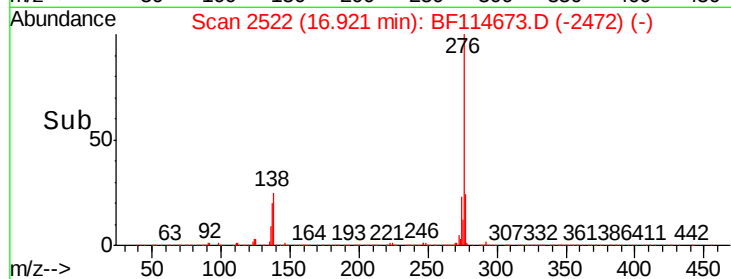
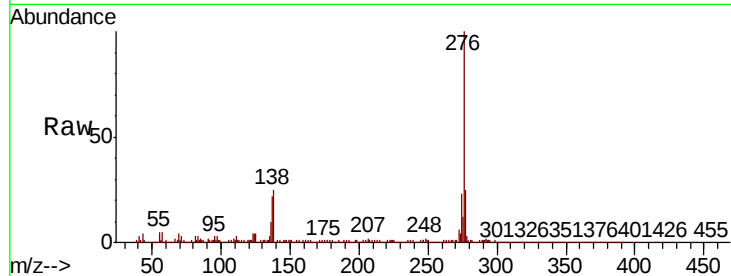
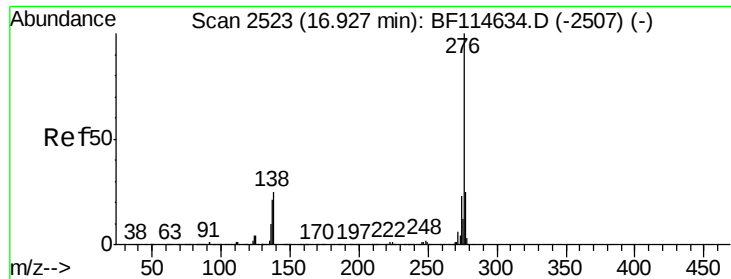
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#91
Dibenzo(a,h)anthracene
Concen: 4.757 ng m
RT: 16.54 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BF114673.D
Acq: 30 May 2019 21:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.7	14.9	22.3#
279	28.0	19.5	29.3





#92
 Benzo(a,h,i)perylene
 Concen: 17.072 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. -0.01 min
 Lab File: BF114673.D
 Acq: 30 May 2019 21:15

Instrument :
 BNA_F
 ClientSampleId :
 B-6W(8-9)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
744414	276	100			
	277	24.8		19.7	29.5
	138	25.4		19.8	29.8

Manual Integrations
 APPROVED

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