

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114683.D
 Acq On : 31 May 2019 1:39
 Operator : HP/JU
 Sample : K3002-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-Z3-20190420

Manual Integrations
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 6/3/2019 8:47:56 AM

Quant Time: May 31 07:50:22 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	6.70	152	362626	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1320982	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	580302	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	1061555	20.00	ng	0.00
76) Chrysene-d12	13.82	240	726578	20.00	ng	0.00
87) Perylene-d12	15.21	264	605087	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	519288	25.14	ng	0.00
7) Phenol-d6	6.32	99	647938	26.03	ng	0.00
23) Nitrobenzene-d5	7.25	82	353222	16.68	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	129866	23.49	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	737595	9.70	ng	0.00
79) Terphenyl-d14	12.77	244	736550	19.06	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.00	128	165441	2.719	ng	96
50) Dimethylphthalate	9.45	163	97355	2.408	ng	99
52) Acenaphthene	9.76	154	70193	2.097	ng	100
55) Dibenzofuran	9.93	168	100064	2.100	ng	93
71) Phenanthrene	11.22	178	560634	10.353	ng	96
72) Anthracene	11.27	178	182620	3.332	ng	97
75) Fluoranthene	12.40	202	993250	17.714	ng	96
78) Pyrene	12.63	202	913024	14.855	ng	97
81) Benzo(a)anthracene	13.81	228	333832	5.979	ng	99
83) Chrysene	13.84	228	291595	5.466	ng	95
86) Indeno(1,2,3-cd)pyrene	16.53	276	116889	2.188	ng	95
88) Benzo(b)fluoranthene	14.82	252	333686m	8.756	ng	
89) Benzo(k)fluoranthene	14.84	252	82939m	2.504	ng	
90) Benzo(a)pyrene	15.15	252	209501	6.258	ng	# 92
92) Benzo(a,h,i)perylene	16.93	276	113143	3.940	ng	98

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

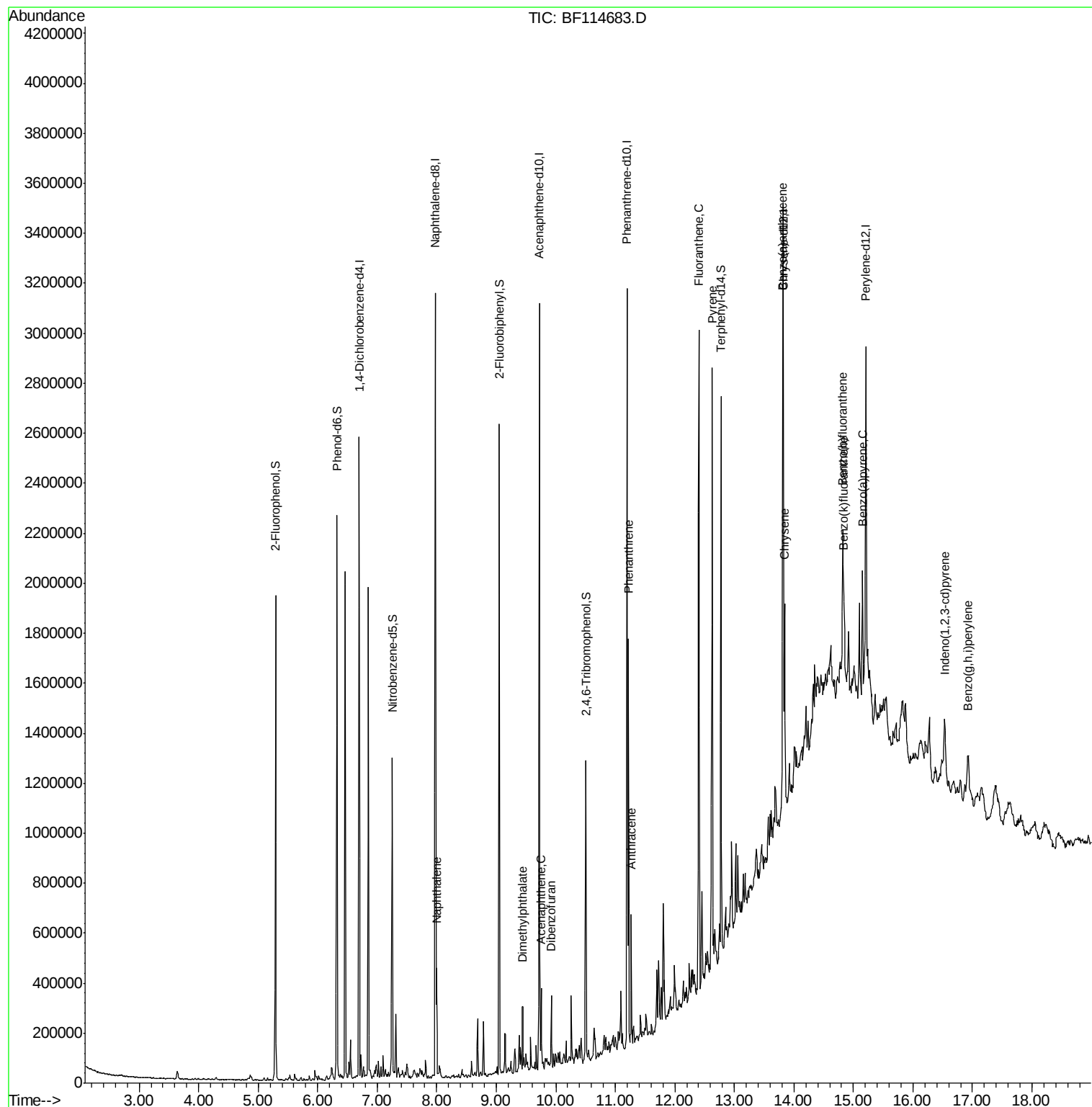
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
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#1

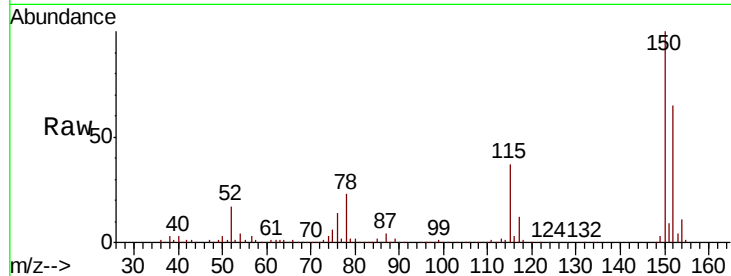
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :
COMP-Z3-20190420

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.4	186.6
115	56.9	48.7	73.1

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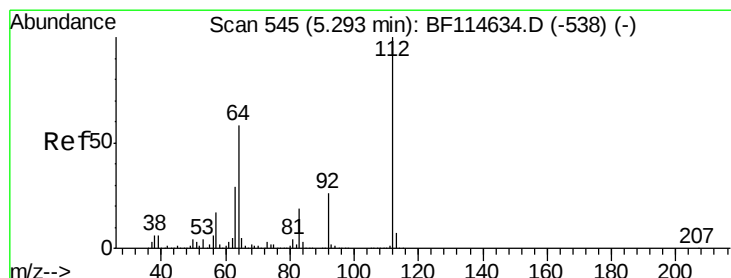
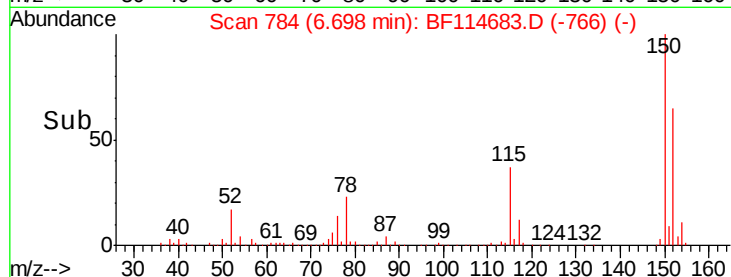
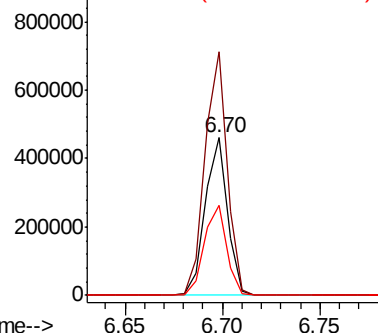


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

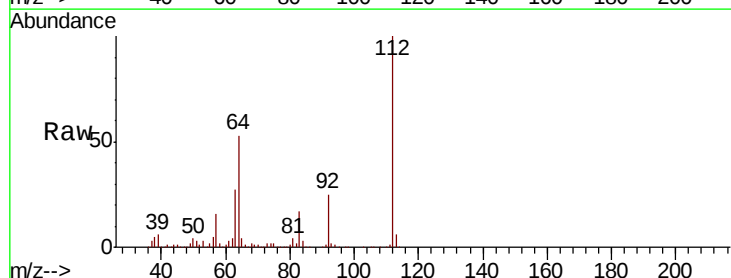
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 25.142 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	46.1	69.1
63	26.5	23.4	35.2

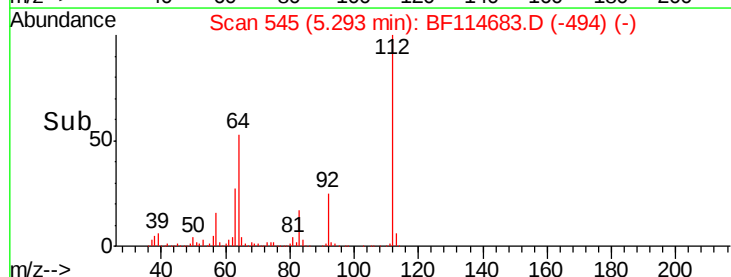
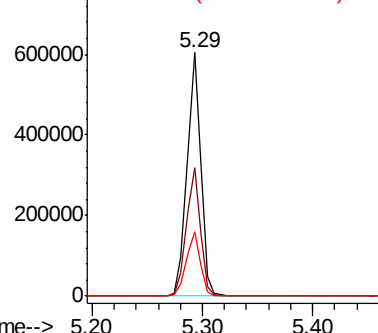


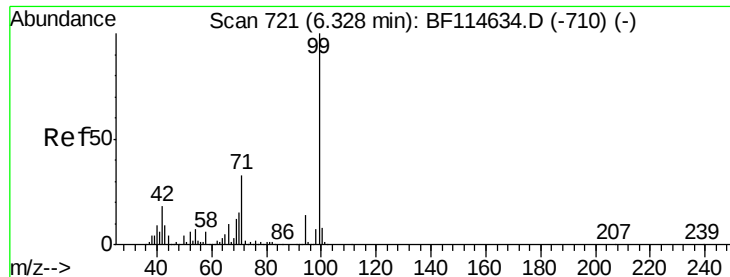
Abundance

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: 26.033 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Instrument :

BNA_F

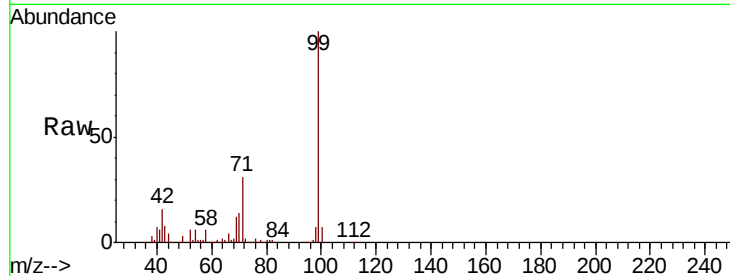
ClientSampleId :

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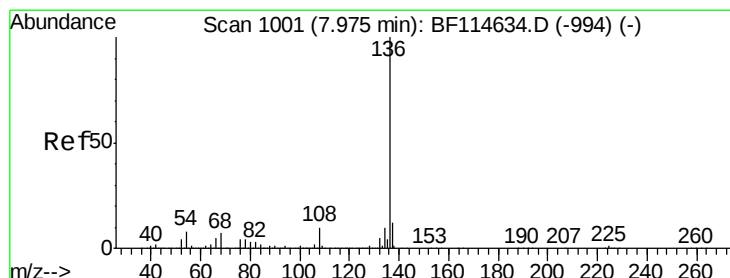
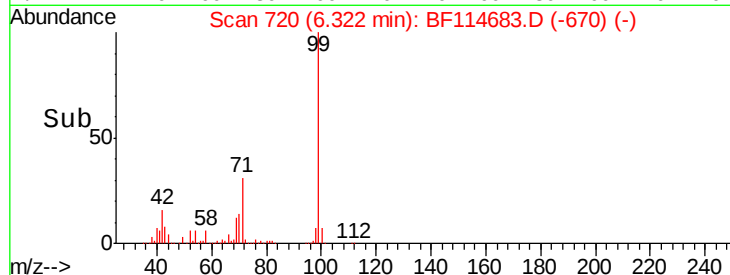
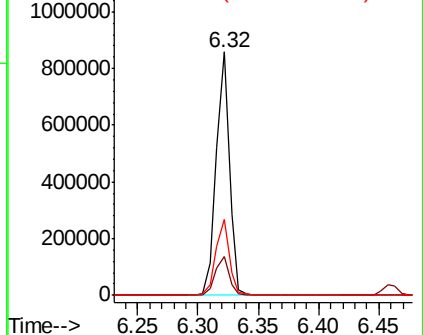
Tot Ion:	99	Resp:	647938
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.7	22.1
71	31.2	26.6	40.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

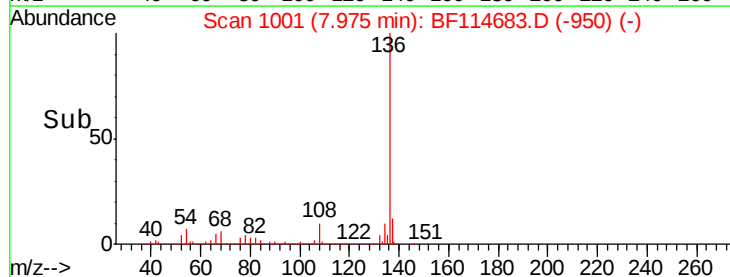
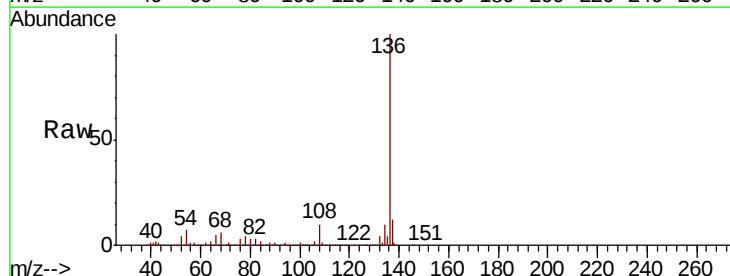
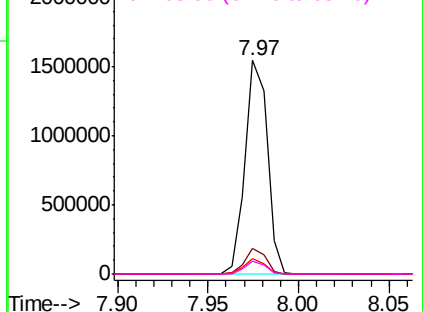
Delta R.T. -0.00 min

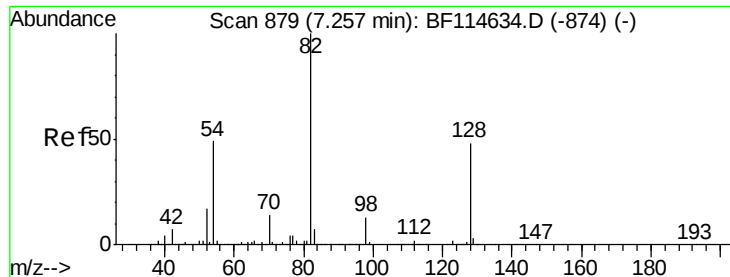
Lab File: BF114683.D

Acq: 31 May 2019 1:39

Tgt Ion:	136	Resp:	1320982
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.3	13.9
54	7.3	6.3	9.5
68	6.3	5.4	8.0

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





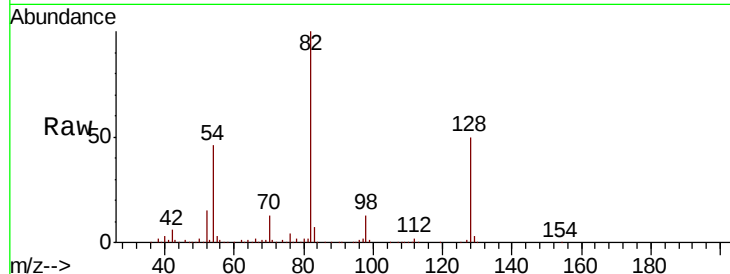
#23
Nitrobenzene-d5
Concen: 16.682 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :
COMP-Z3-20190420

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.9	38.5	57.7
54	46.4	39.1	58.7

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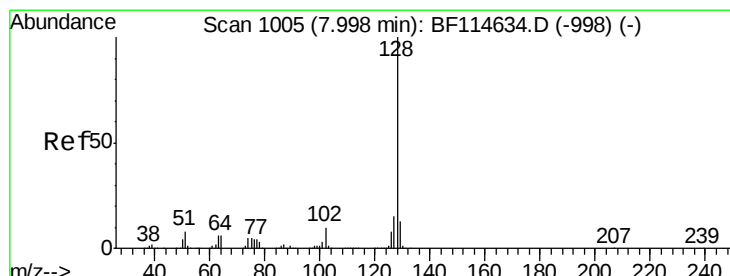
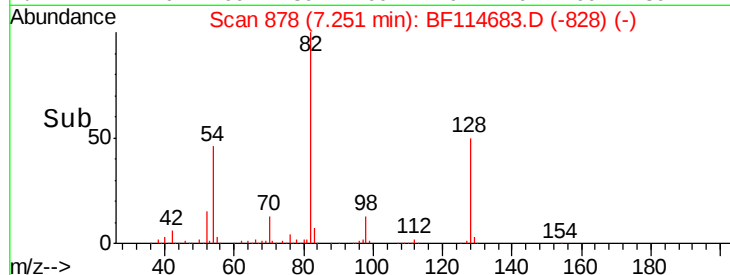
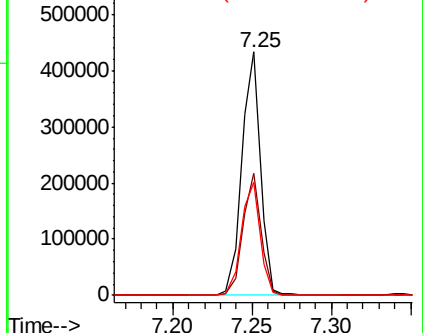


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31
Naphthalene
Concen: 2.719 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

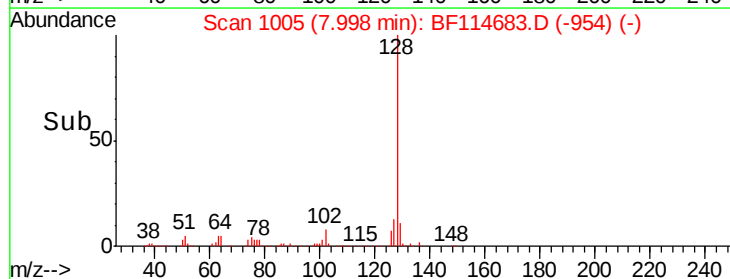
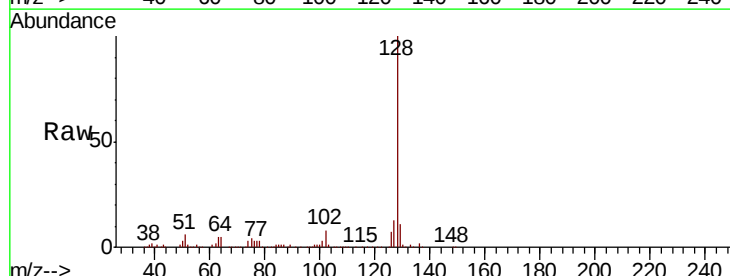
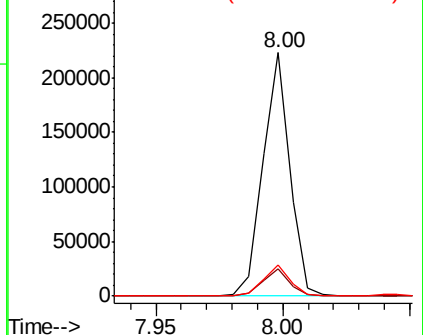
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	10.2	15.2
127	13.0	11.9	17.9

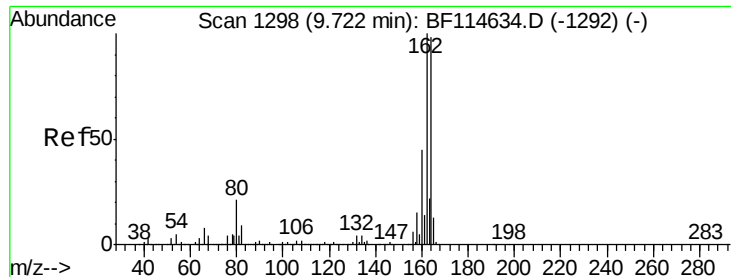
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





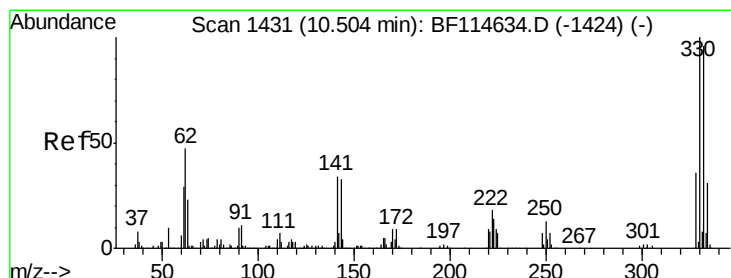
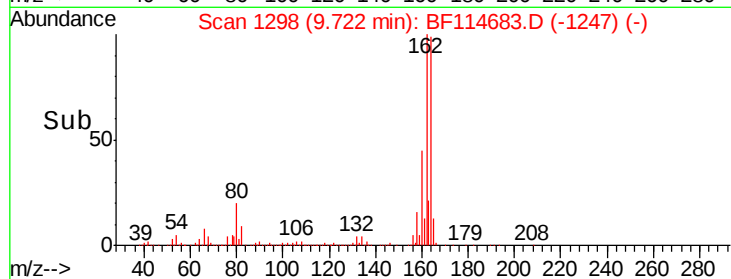
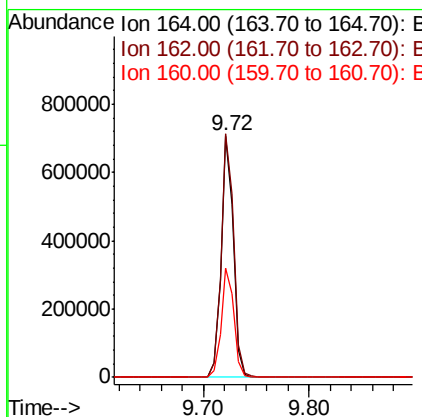
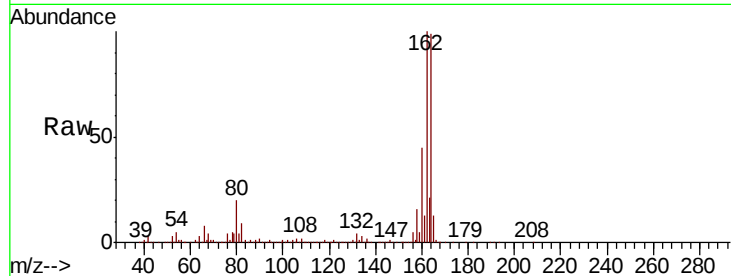
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :
COMP-Z3-20190420

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.7	81.4	122.2	
160	45.3	36.6	54.8	

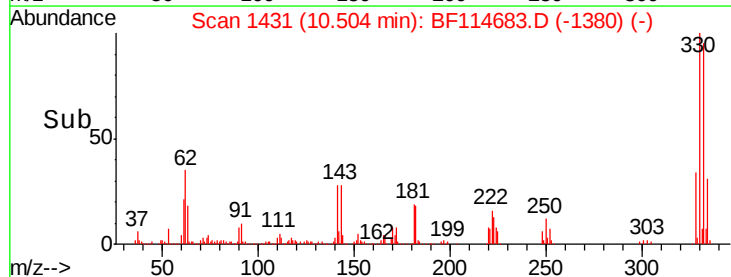
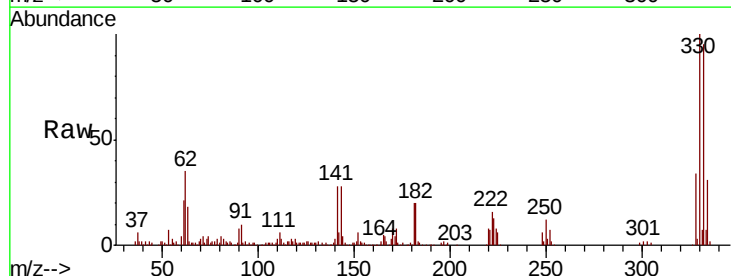
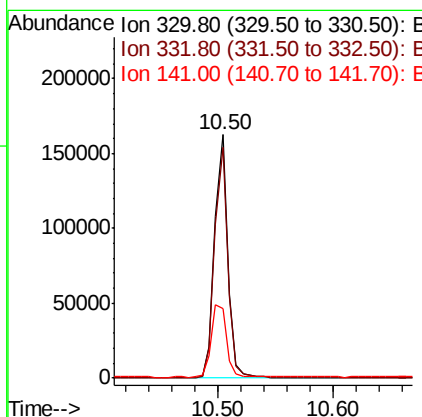
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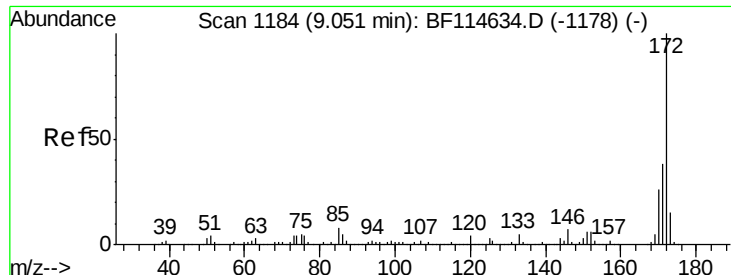
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#42
2,4,6-Tribromophenol
Concen: 23.487 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.7	75.8	113.8	
141	34.1	27.8	41.8	





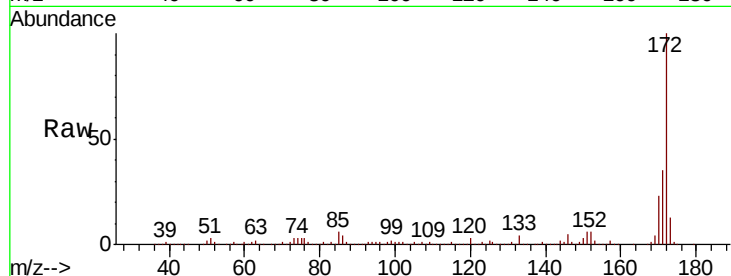
#45
2-Fluorobiphenyl
Concen: 9.701 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :
COMP-Z3-20190420

Tot Ion	Ratio	Resp	Lower	Upper
172	100	737595		
171	35.0		30.6	45.8
170	23.1		20.7	31.1

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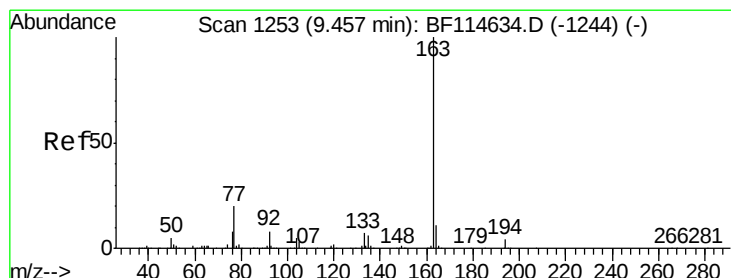
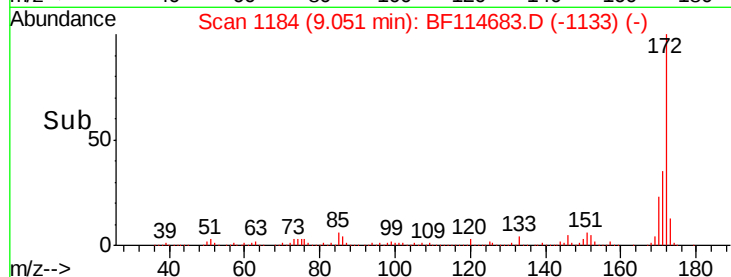
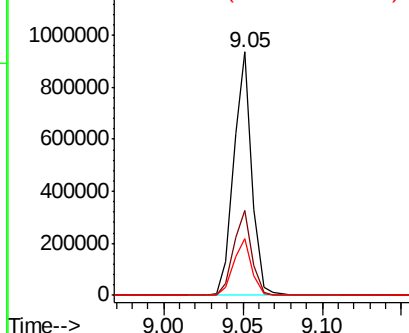


Abundance

Ion 172.00 (171.70 to 172.70): E

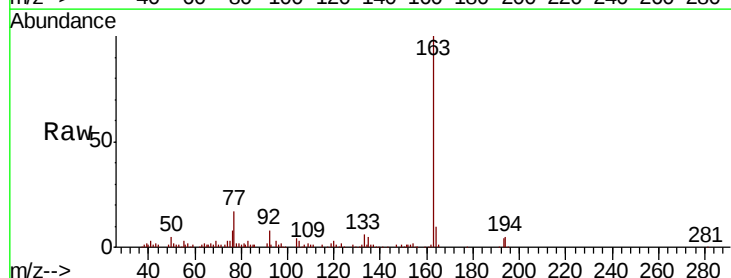
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 2.408 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	97355		
194	4.6		3.4	5.0
164	10.3		8.6	13.0

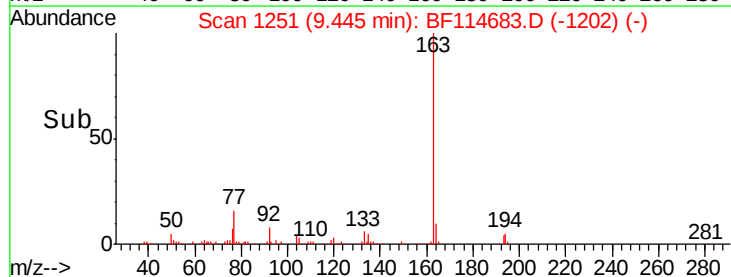
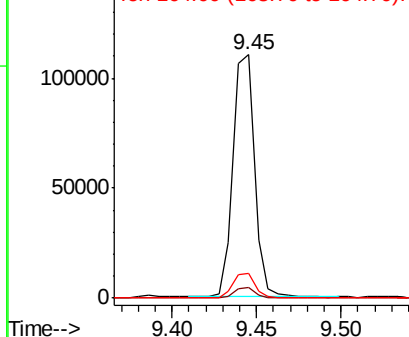


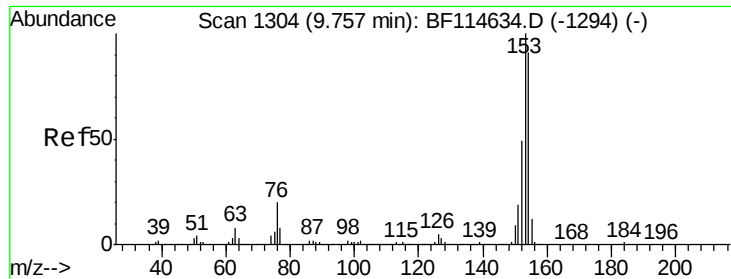
Abundance

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





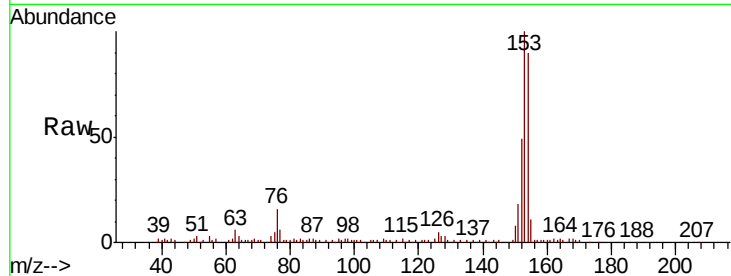
#52
Acenaphthene
Concen: 2.097 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :
COMP-Z3-20190420

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.1	88.4	132.6
152	54.4	43.4	65.0

Manual Integrations
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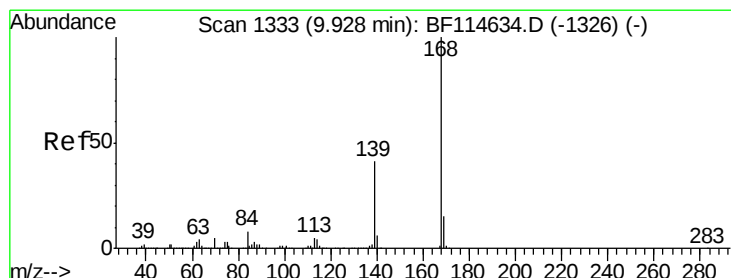
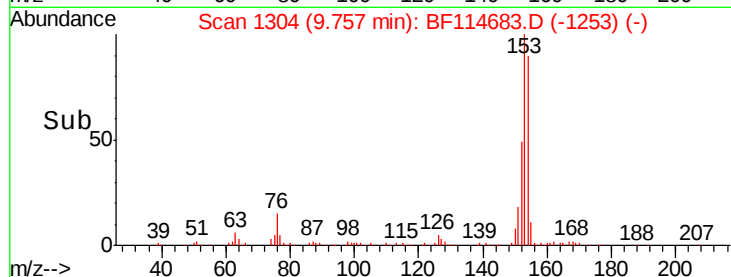
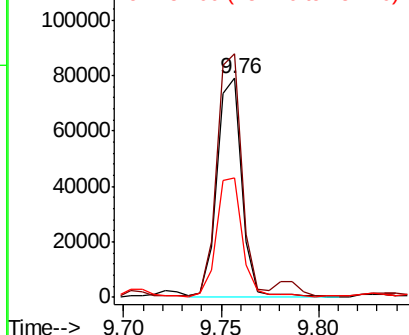


Abundance

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



#55
Dibenzofuran
Concen: 2.100 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

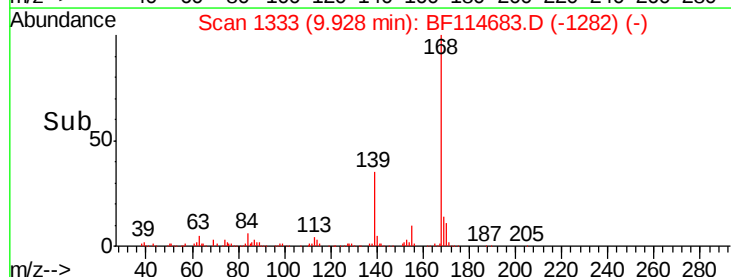
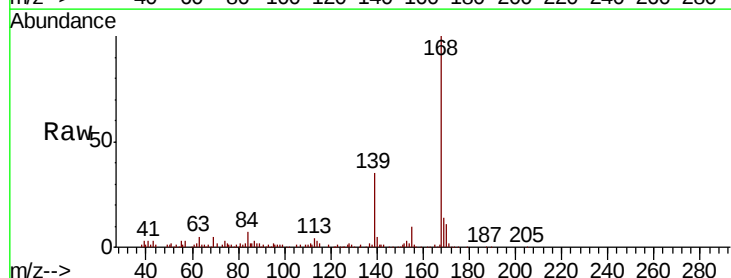
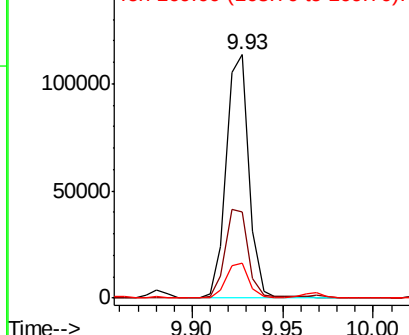
Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.3	32.6	48.8
169	14.3	11.8	17.8

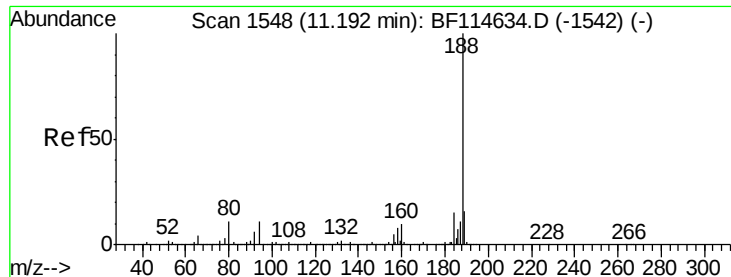
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





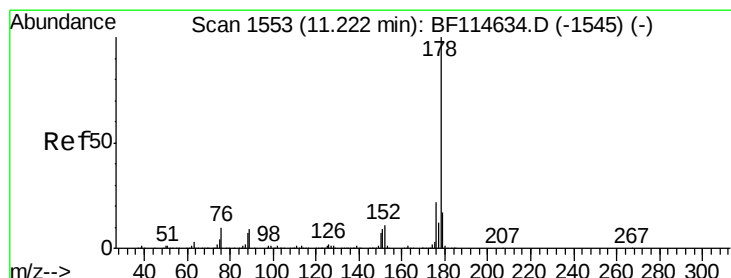
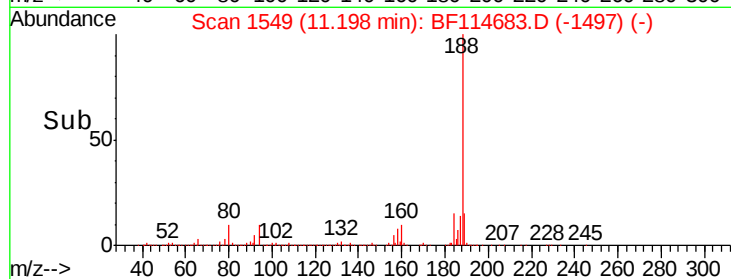
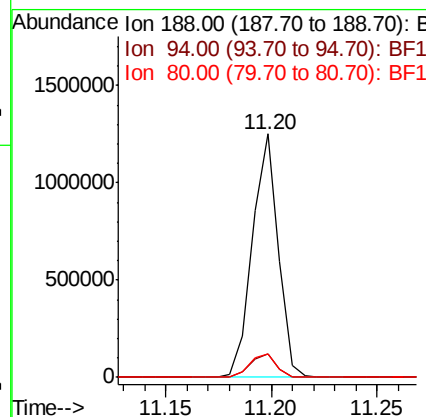
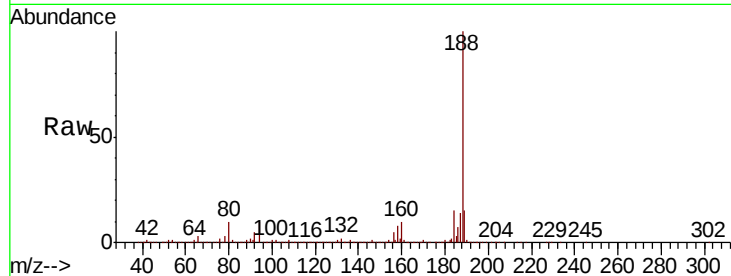
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :
COMP-Z3-20190420

Tot Ion	Ratio	Resp	Lower	Upper
188	100	1061555		
94	9.6		8.6	13.0
80	9.7		9.0	13.6

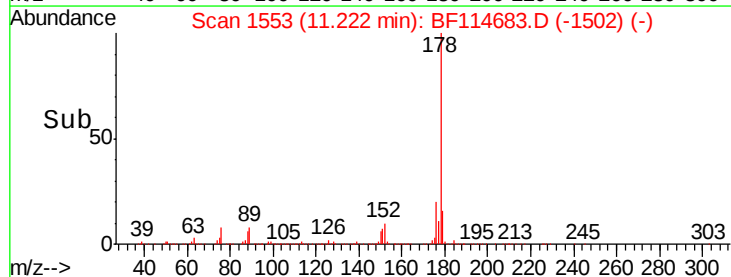
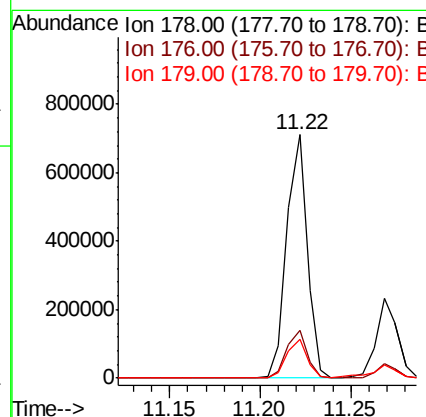
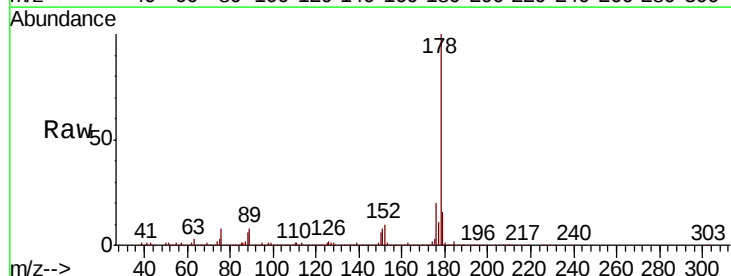
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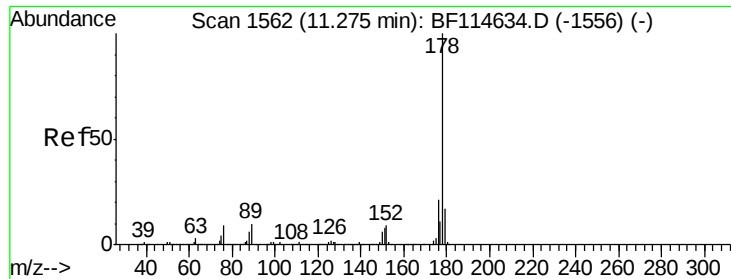
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#71
Phenanthrene
Concen: 10.353 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	560634		
176	19.6		17.2	25.8
179	15.8		13.9	20.9





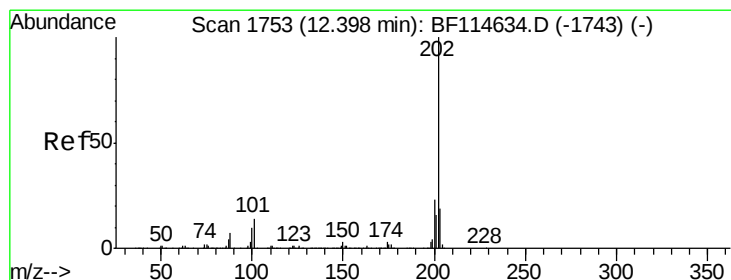
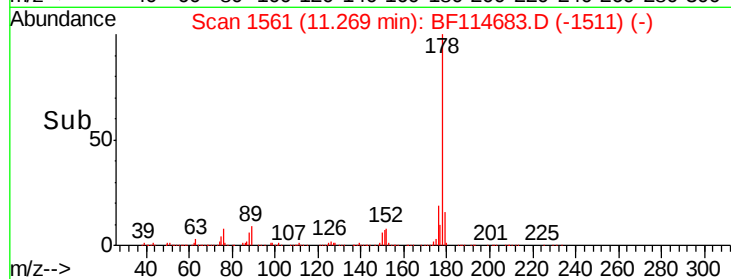
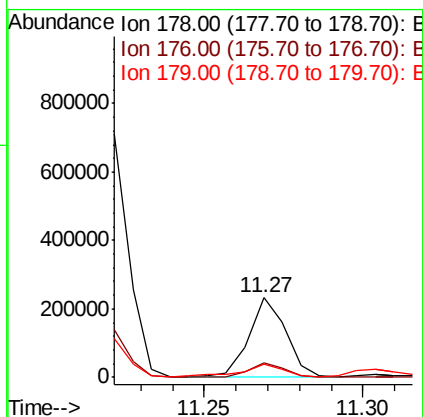
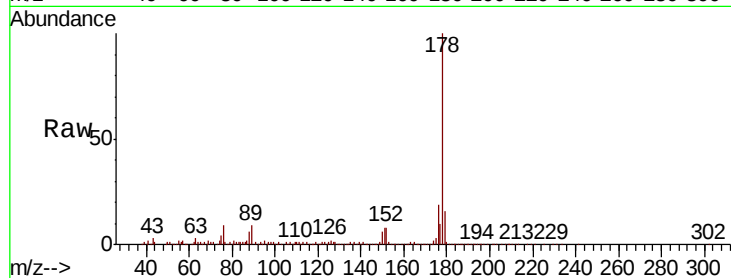
#72
 Anthracene
 Concen: 3.332 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF114683.D
 Acq: 31 May 2019 1:39

Instrument :
 BNA_F
 ClientSampleId :
 COMP-Z3-20190420

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.6	24.8
179	16.0	13.4	20.0

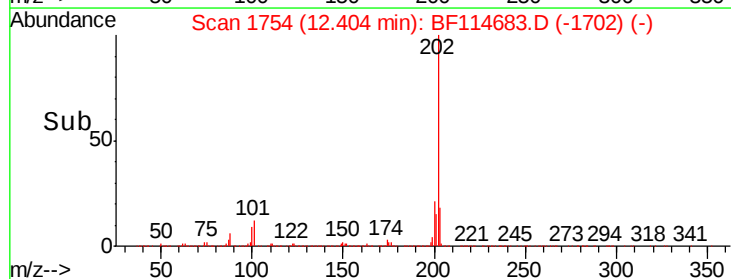
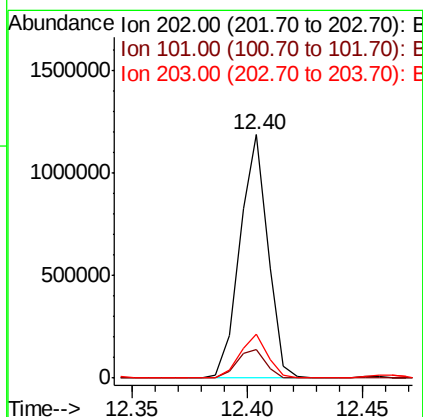
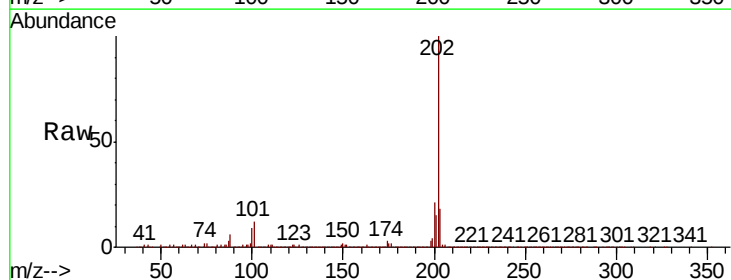
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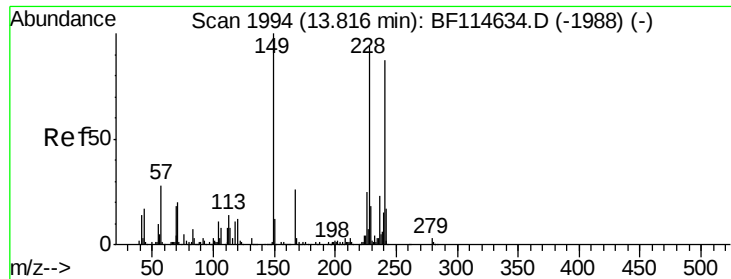
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#75
 Fluoranthene
 Concen: 17.714 ng
 RT: 12.40 min Scan# 1754
 Delta R.T. 0.01 min
 Lab File: BF114683.D
 Acq: 31 May 2019 1:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.9
203	18.0	0.0	39.1





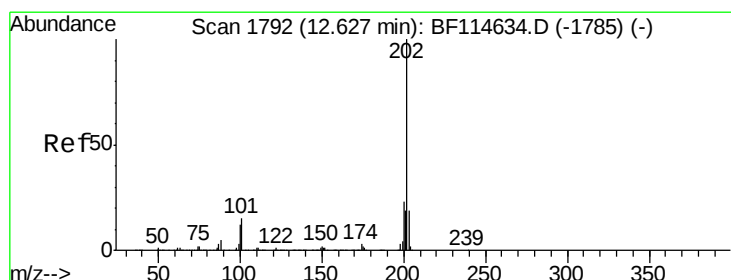
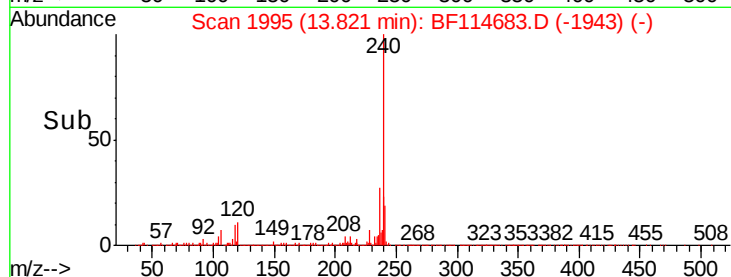
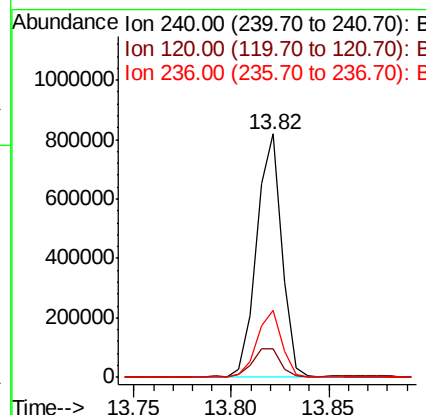
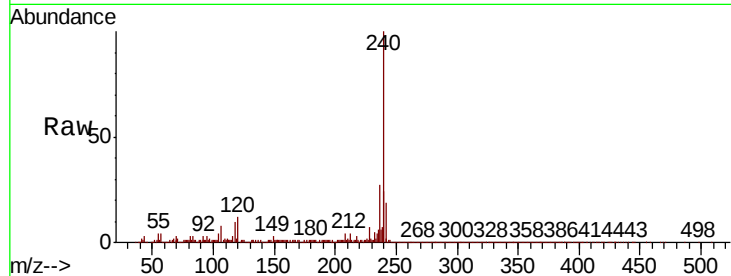
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.01 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :
COMP-Z3-20190420

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	11.2	16.8
236	27.3	21.2	31.8

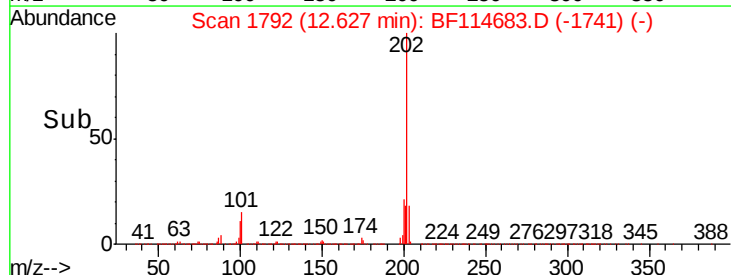
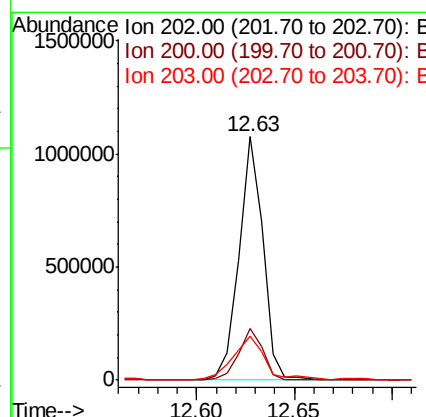
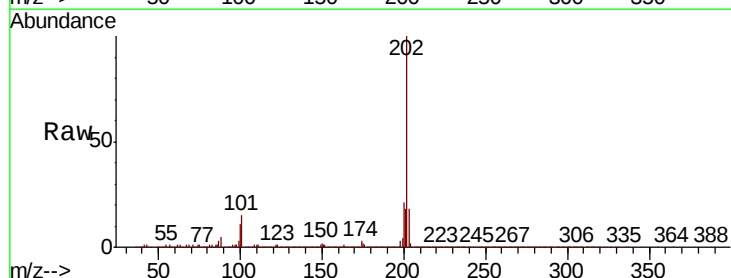
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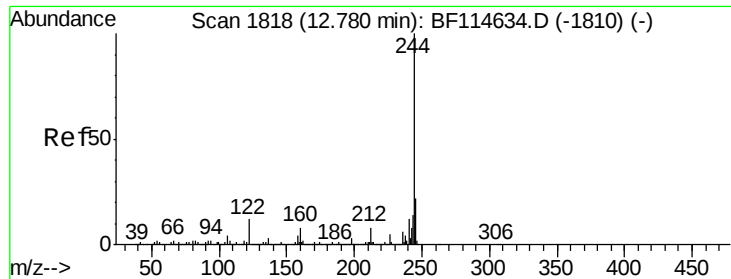
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#78
Pyrene
Concen: 14.855 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.6	28.0
203	18.2	15.4	23.2





#79

Terphenyl-d14

Concen: 19.060 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Instrument :

BNA_F

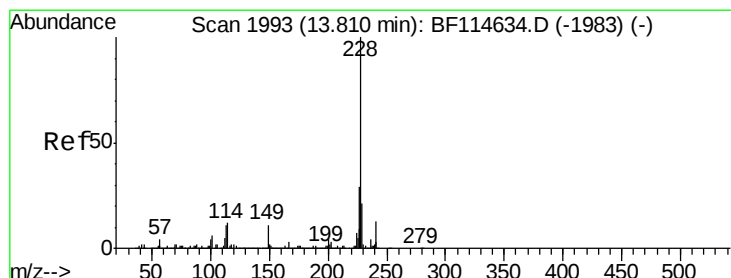
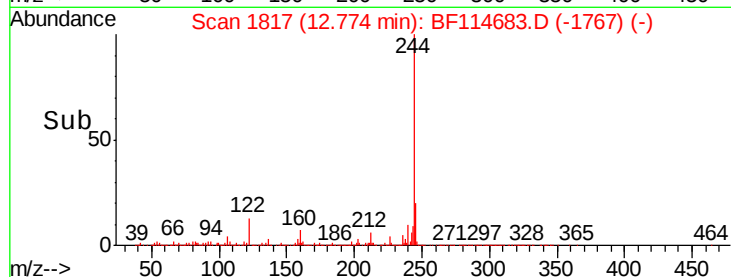
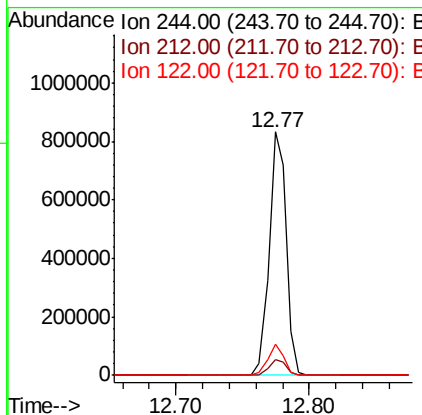
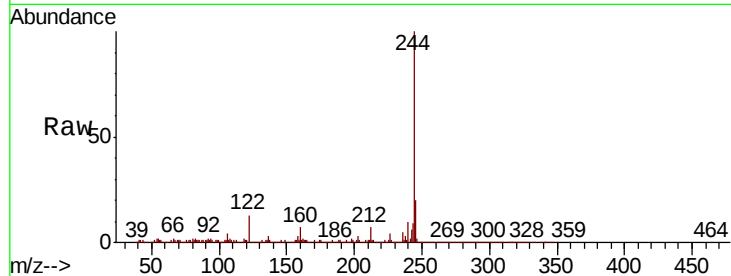
ClientSampleId :

COMP-Z3-20190420

Tot Ion:	244	Resp:	736550
Ion Ratio	Lower	Upper	
244	100		
212	6.5	6.1	9.1
122	12.8	9.8	14.8

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#81

Benzo(a)anthracene

Concen: 5.979 ng

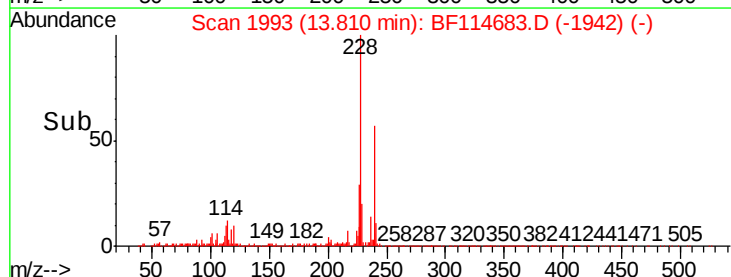
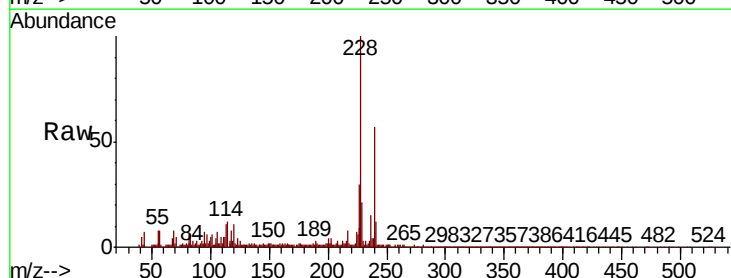
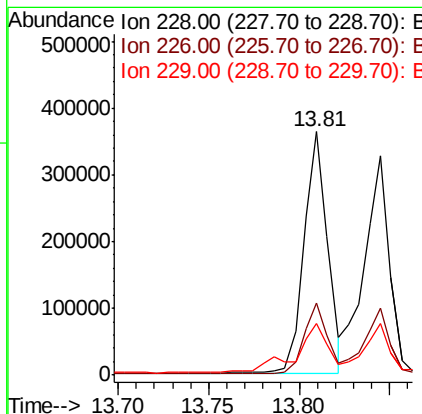
RT: 13.81 min Scan# 1993

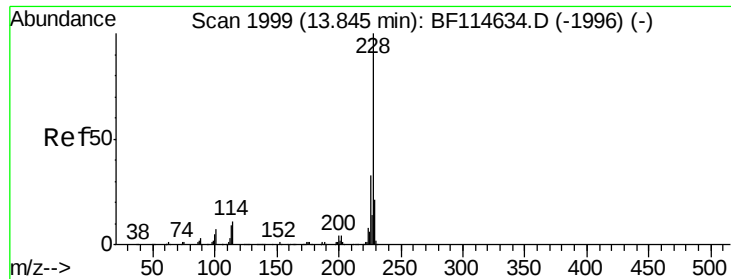
Delta R.T. -0.00 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Tgt Ion:	228	Resp:	333832
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.0	34.6
229	21.2	17.0	25.4





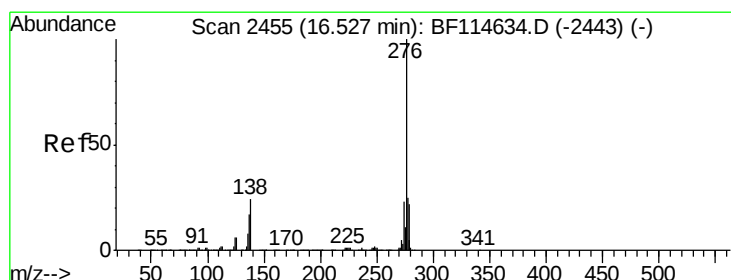
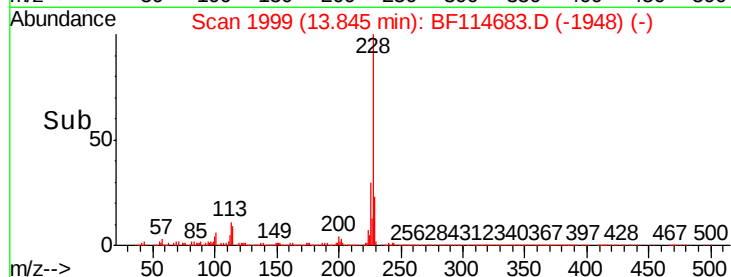
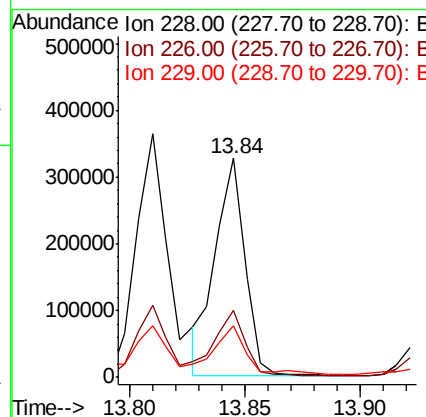
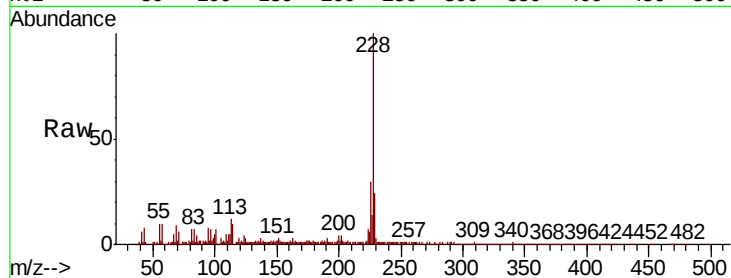
#83
Chrysene
Concen: 5.466 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :
COMP-Z3-20190420

Tot Ion:	228	Resp:	291595
Ion Ratio	Lower	Upper	
228	100		
226	30.4	26.4	39.6
229	23.6	17.1	25.7

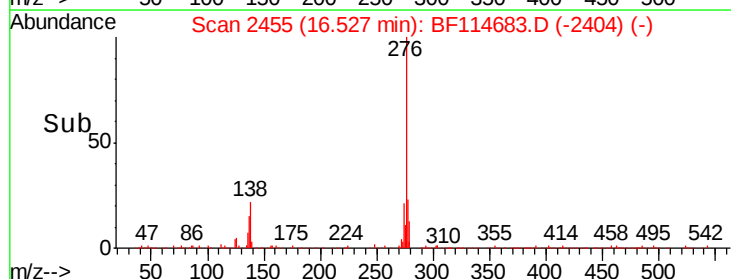
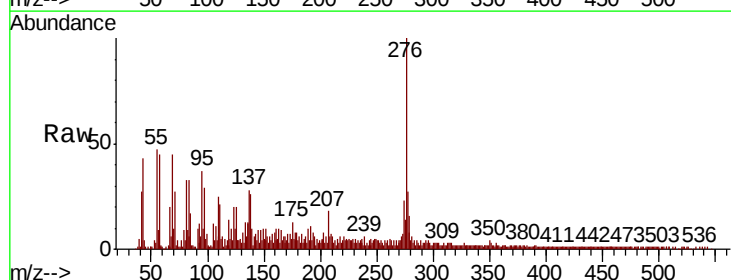
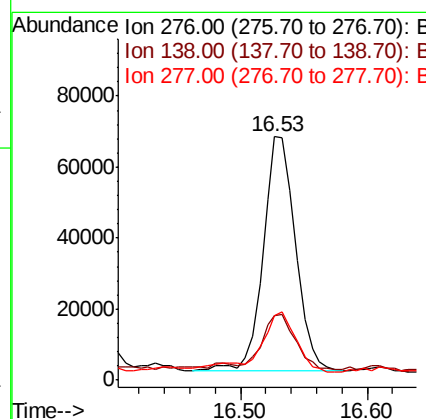
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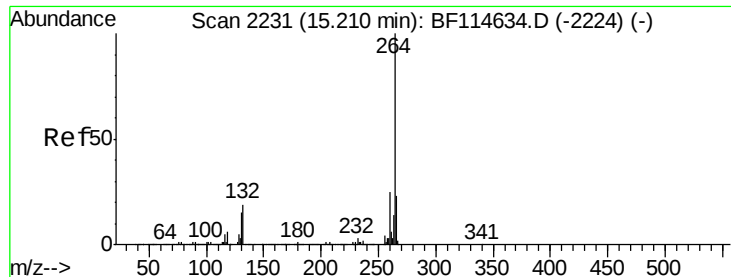
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.188 ng
RT: 16.53 min Scan# 2455
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion:	276	Resp:	116889
Ion Ratio	Lower	Upper	
276	100		
138	24.6	23.0	34.6
277	25.2	20.5	30.7





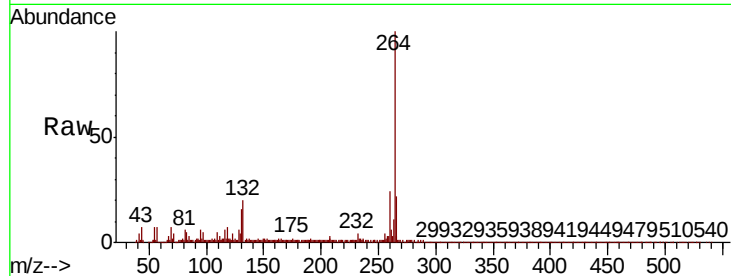
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Instrument :
BNA_F
ClientSampleId :
COMP-Z3-20190420

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.7	29.5
265	21.7	18.1	27.1

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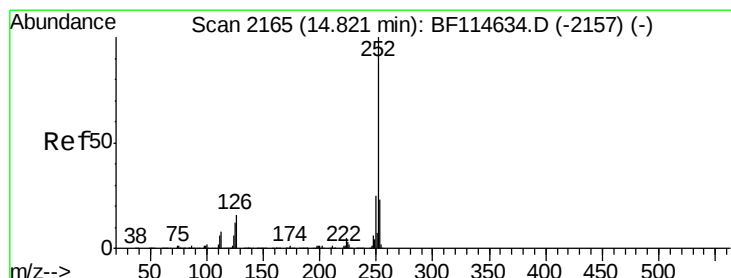
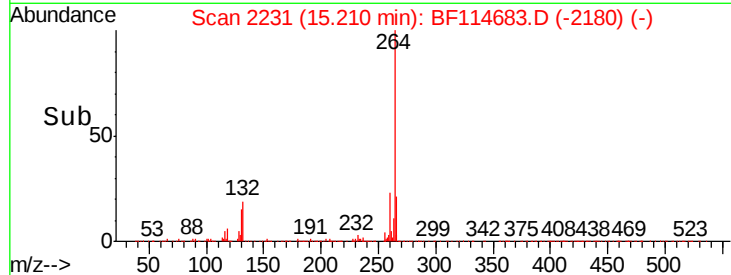
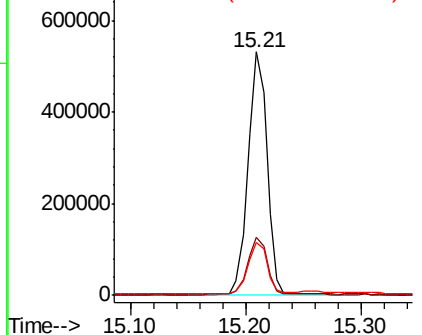


Abundance

Ion 264.00 (263.70 to 264.70): E

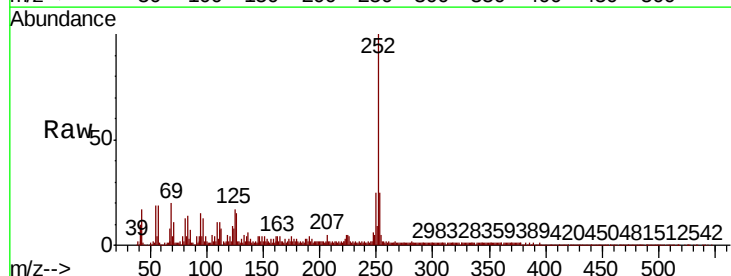
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 8.756 ng m
RT: 14.82 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BF114683.D
Acq: 31 May 2019 1:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.7	28.1
125	16.9	9.4	14.2

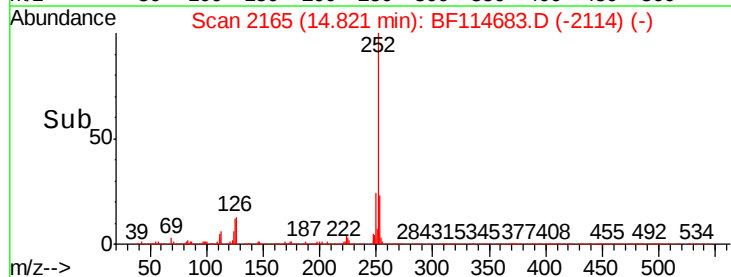
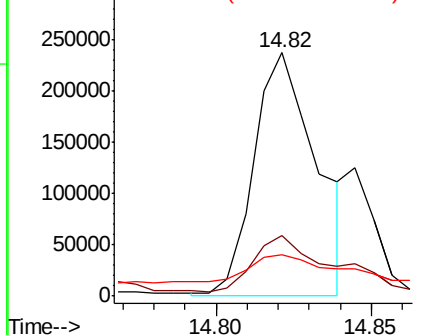


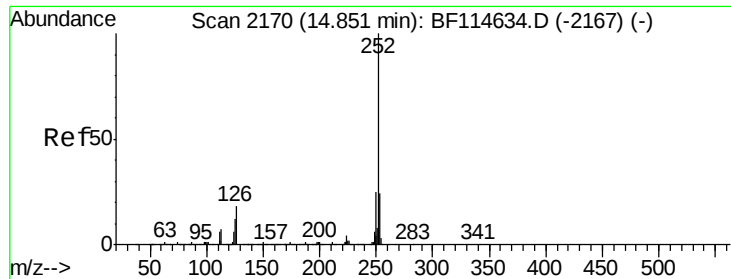
Abundance

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: 2.504 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Instrument :

BNA_F

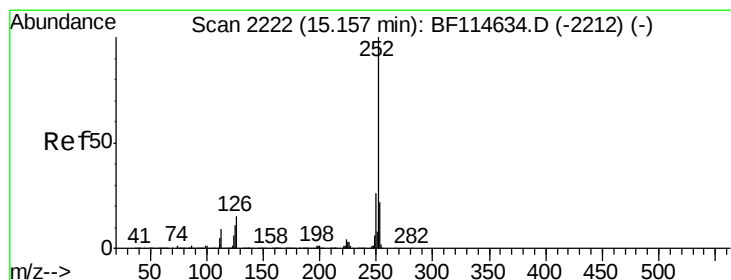
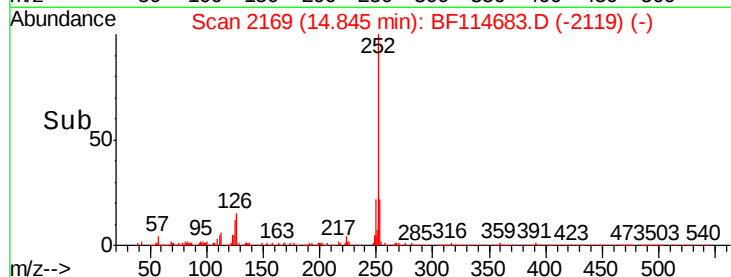
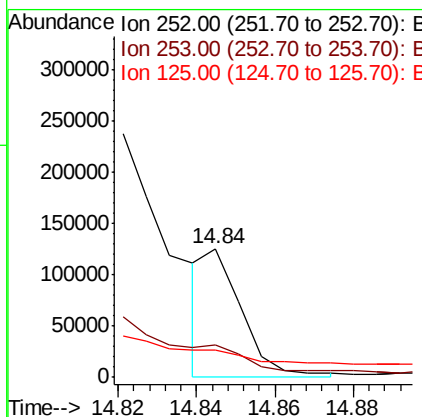
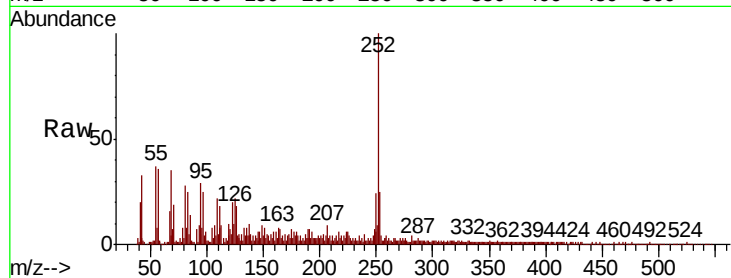
ClientSampleId :

COMP-Z3-20190420

Tot Ion:	252	Resp:	82939
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.9	28.3
125	21.5	9.5	14.3#

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#90

Benzo(a)pyrene

Concen: 6.258 ng

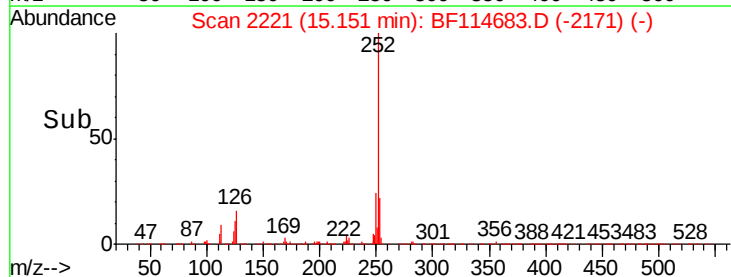
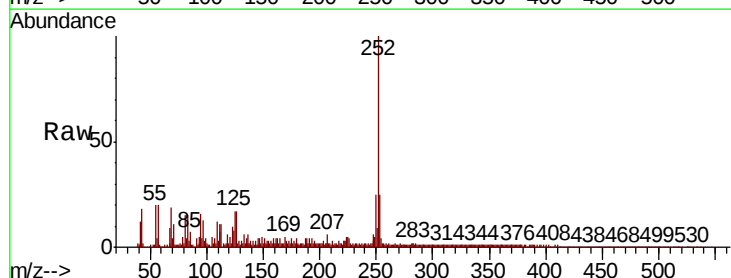
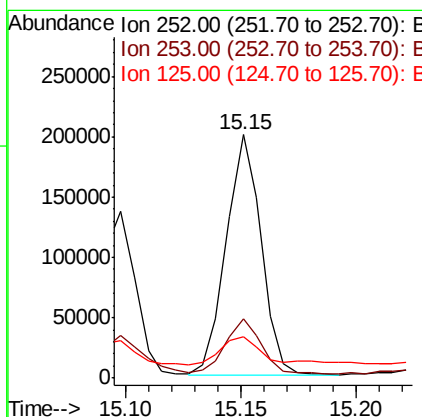
RT: 15.15 min Scan# 2221

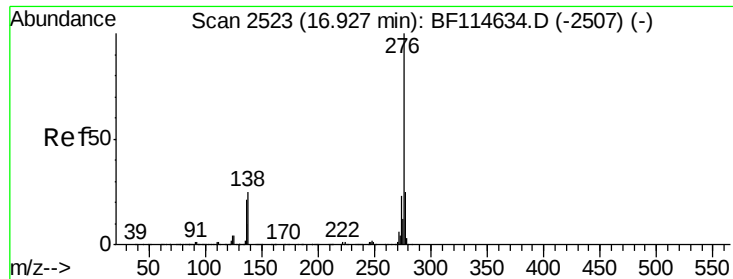
Delta R.T. -0.01 min

Lab File: BF114683.D

Acq: 31 May 2019 1:39

Tgt Ion:	252	Resp:	209501
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.0	27.0
125	17.1	9.2	13.8#





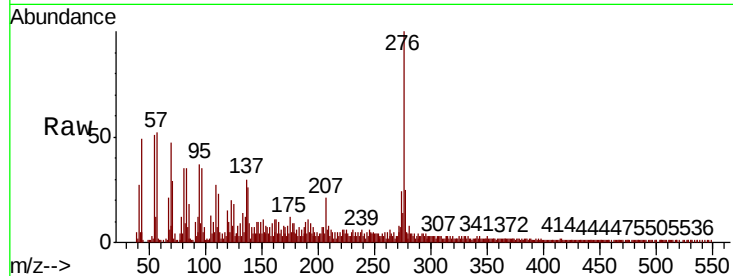
#92
 Benzo(a,h,i)perylene
 Concen: 3.940 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.00 min
 Lab File: BF114683.D
 Acq: 31 May 2019 1:39

Instrument :
 BNA_F
 ClientSampleId :
 COMP-Z3-20190420

Tot Ion:	276	Resp:	113143
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.7	29.5
138	26.1	19.8	29.8

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Abundance Ion 276.00 (275.70 to 276.70): E
 80000 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

