

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
 Data File : BF113776.D
 Acq On : 15 Apr 2019 21:32
 Operator : JU/SJ
 Sample : K2397-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-S

Manual Integrations
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Sohil
 4/16/2019 5:03:01 PM

Quant Time: Apr 16 00:53:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	111926	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	414562	20.00	ng	-0.02
39) Acenaphthene-d10	9.70	164	195471	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	364257	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	265032	20.00	ng	-0.02
87) Perylene-d12	15.24	264	316836	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	747399	113.87	ng	-0.01
7) Phenol-d6	6.33	99	979737	121.11	ng	-0.01
23) Nitrobenzene-d5	7.24	82	568584	80.34	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	257100	109.49	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1033060	85.08	ng	-0.02
79) Terphenyl-d14	12.77	244	893556	68.64	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.97	128	58481	2.911	ng	98
49) Acenaphthylene	9.57	152	52822	2.660	ng	98
50) Dimethylphthalate	9.43	163	136595	9.480	ng	# 99
71) Phenanthrene	11.21	178	175490	9.695	ng	98
72) Anthracene	11.26	178	88395	4.800	ng	99
75) Fluoranthene	12.40	202	821236	42.341	ng	100
78) Pyrene	12.63	202	1047743	51.956	ng	99
81) Benzo(a)anthracene	13.82	228	871734	57.019	ng	98
83) Chrysene	13.86	228	802321	51.769	ng	99
86) Indeno(1,2,3-cd)pyrene	16.62	276	672973	47.031	ng	96
88) Benzo(b)fluoranthene	14.85	252	1375506m	70.923	ng	
89) Benzo(k)fluoranthene	14.87	252	458816m	26.360	ng	
90) Benzo(a)pyrene	15.19	252	1023362	59.381	ng	97
91) Dibenzo(a,h)anthracene	16.61	278	182416m	11.319	ng	
92) Benzo(g,h,i)perylene	17.03	276	612040	37.207	ng	98

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

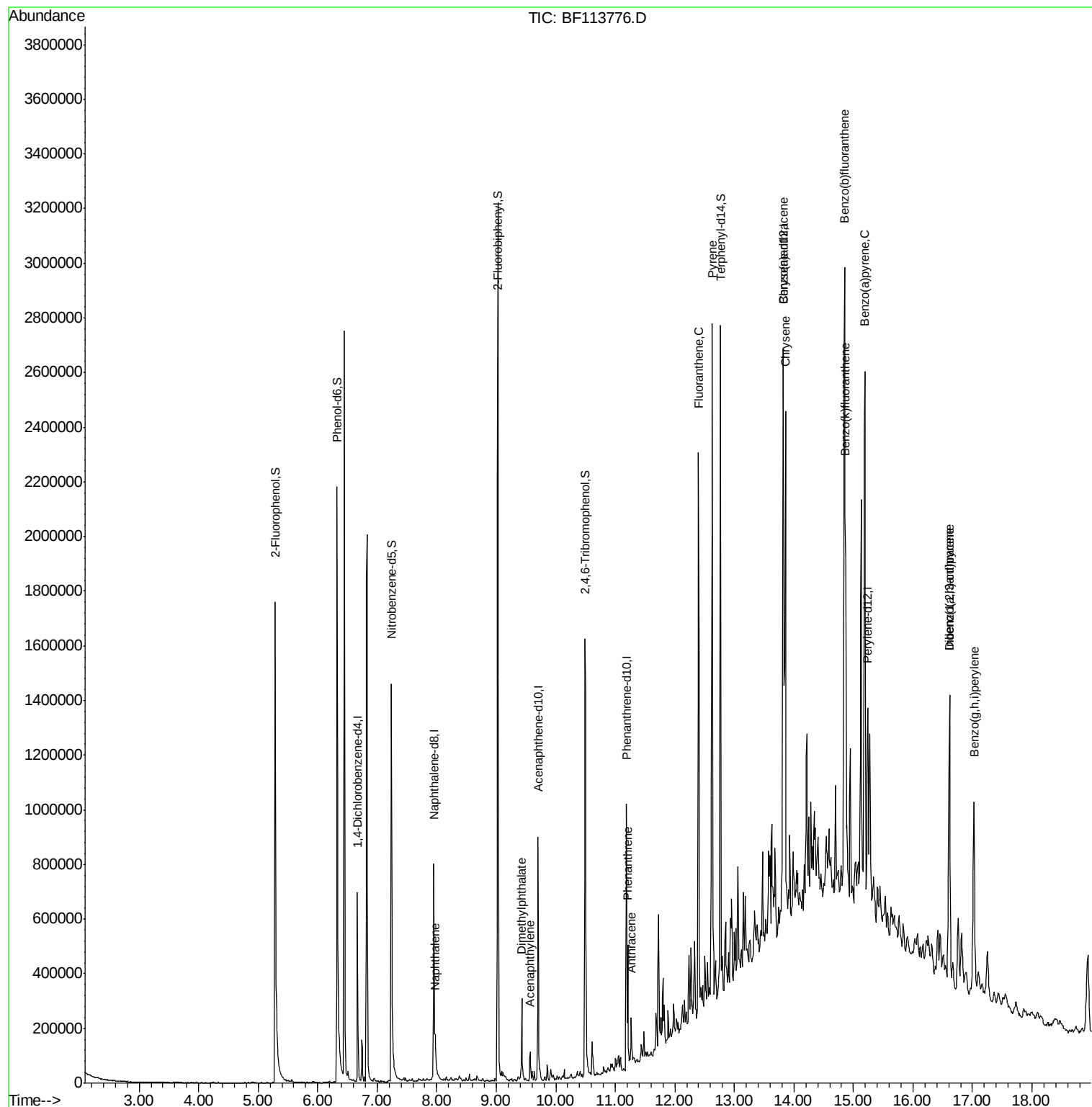
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041519\
Data File : BF113776.D
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#1

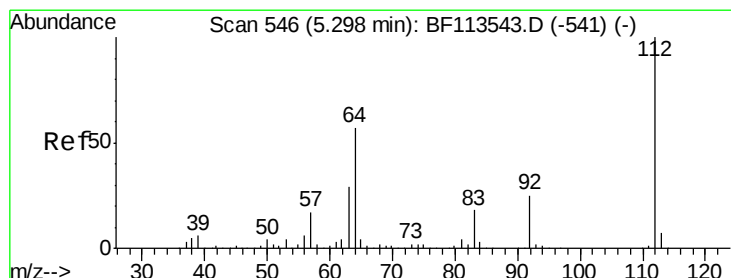
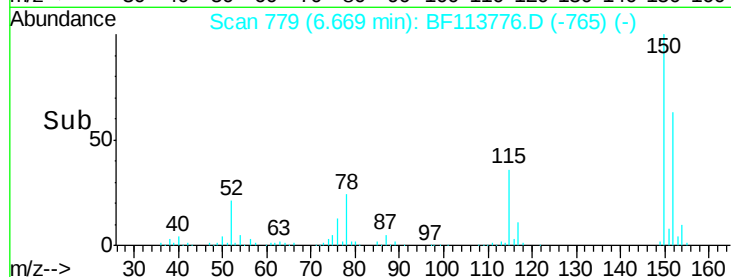
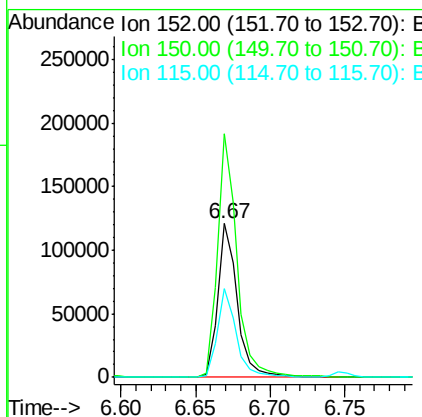
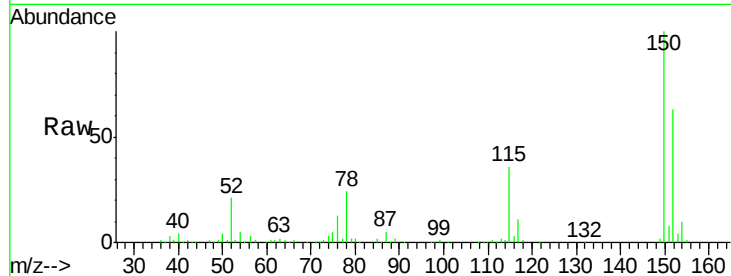
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF113776.D
Acq: 15 Apr 2019 21:32

Instrument :
BNA_F
ClientSampled :
TP-3-S

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.7	187.1
115	57.6	46.0	69.0

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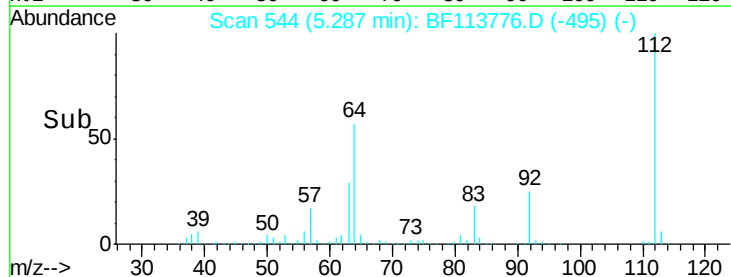
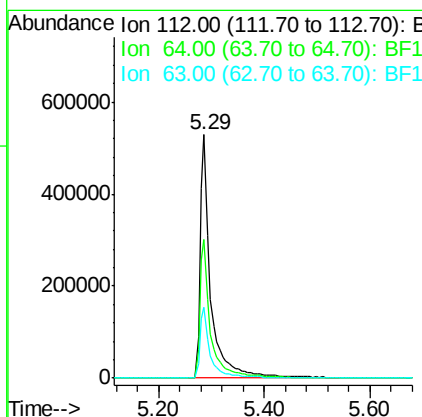
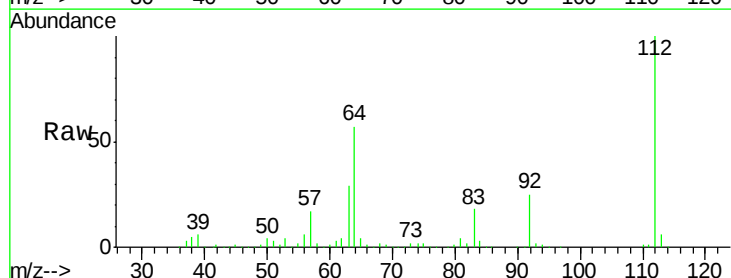
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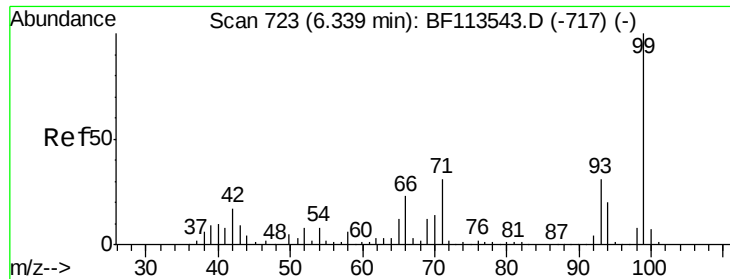


#5

2-Fluorophenol
Concen: 113.869 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF113776.D
Acq: 15 Apr 2019 21:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	49.2	73.8
63	28.9	24.9	37.3





#7

Phenol-d6

Concen: 121.108 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113776.D

Acq: 15 Apr 2019 21:32

Instrument :

BNA_F

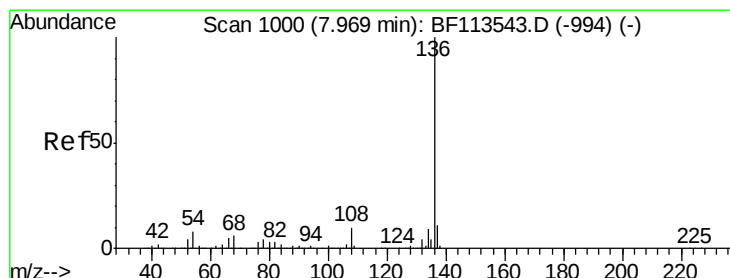
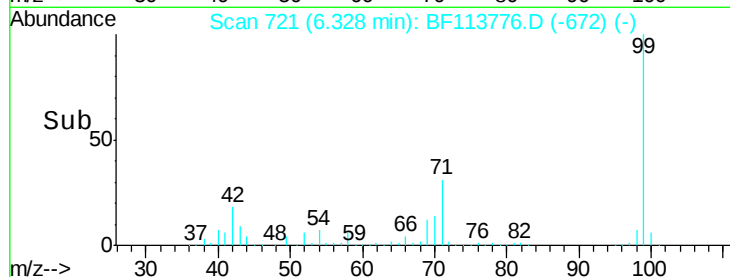
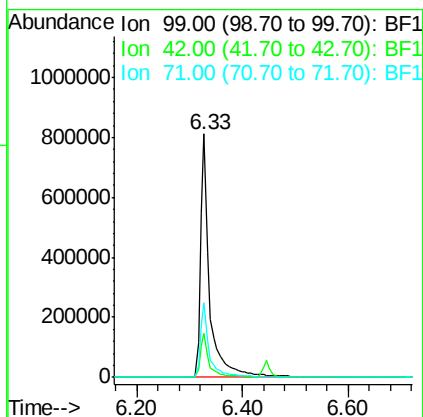
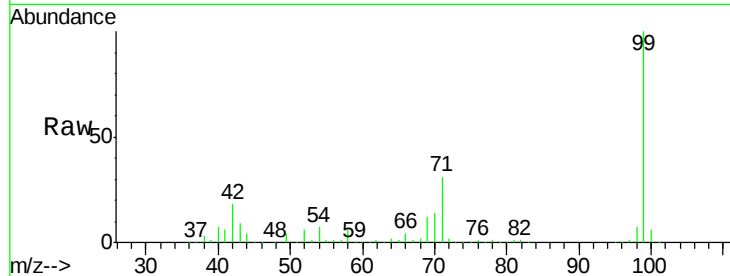
ClientSampled :

TP-3-S

Tgt Ion:	99	Resp:	979737
Ion Ratio	Lower	Upper	
99	100		
42	18.1	14.8	22.2
71	30.8	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

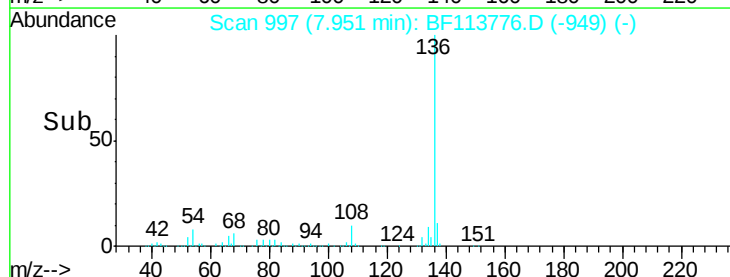
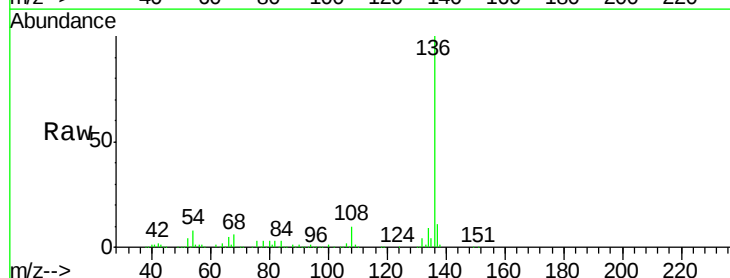
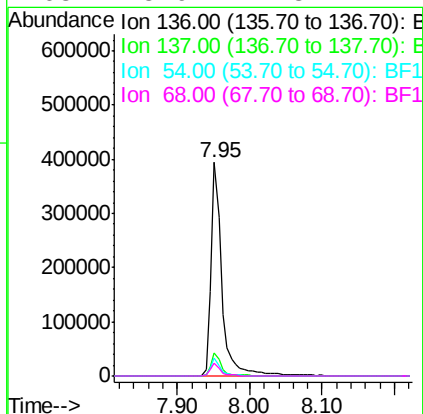
RT: 7.95 min Scan# 997

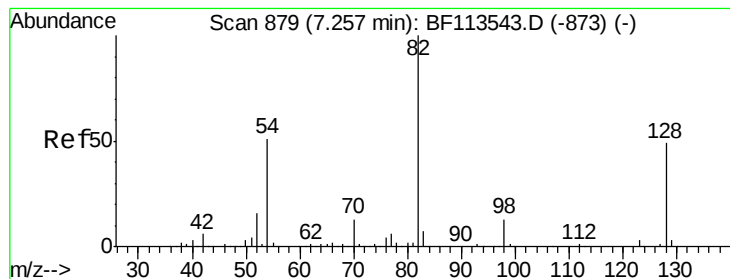
Delta R.T. -0.02 min

Lab File: BF113776.D

Acq: 15 Apr 2019 21:32

Tgt Ion:	136	Resp:	414562
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.2	7.0	10.6
68	5.9	4.8	7.2





#23

Nitrobenzene-d5

Concen: 80.338 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113776.D

Acq: 15 Apr 2019 21:32

Instrument :

BNA_F

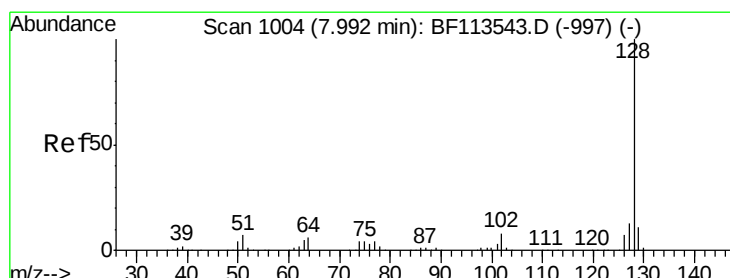
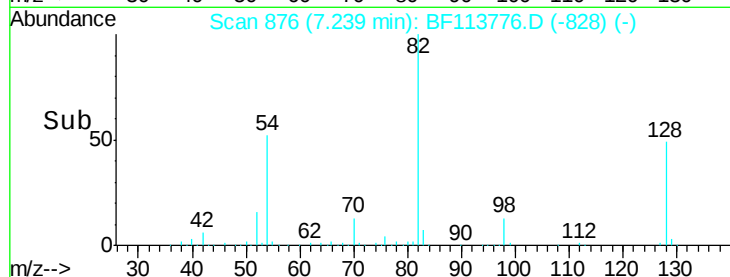
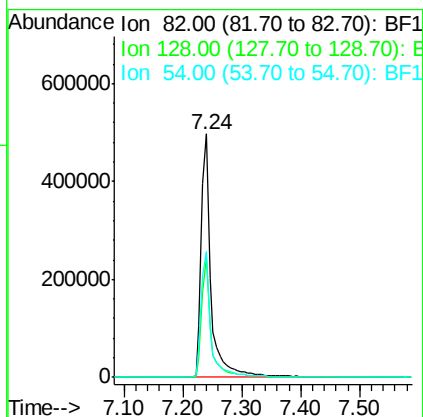
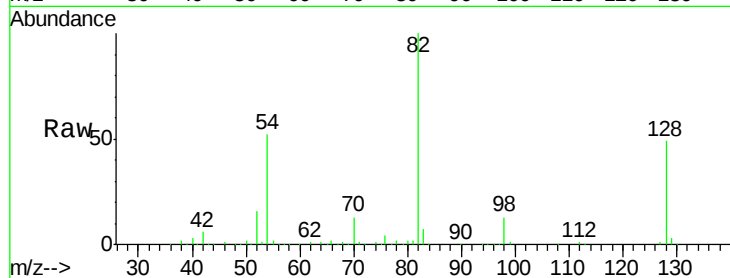
ClientSampled :

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Tgt Ion:	82	Resp:	568584
Ion Ratio	Lower	Upper	
82	100		
128	49.0	36.5	54.7
54	51.7	42.2	63.2

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#31

Naphthalene

Concen: 2.911 ng

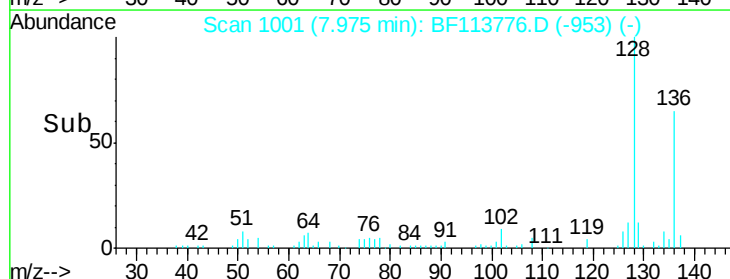
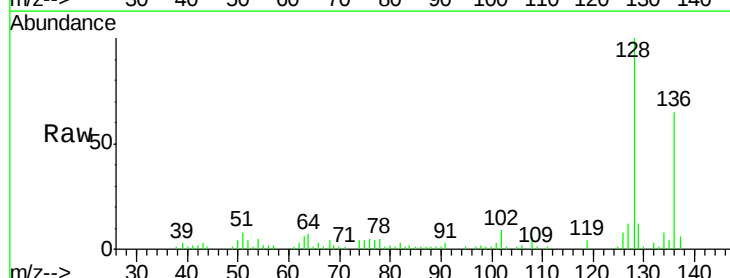
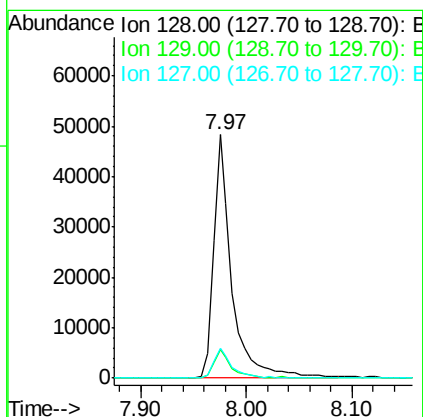
RT: 7.97 min Scan# 1001

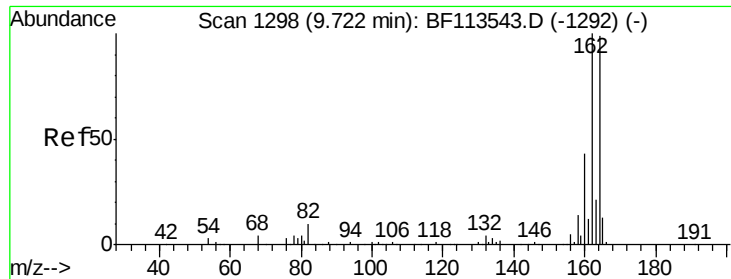
Delta R.T. -0.02 min

Lab File: BF113776.D

Acq: 15 Apr 2019 21:32

Tgt Ion:	128	Resp:	58481
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.3	13.9
127	12.3	10.9	16.3





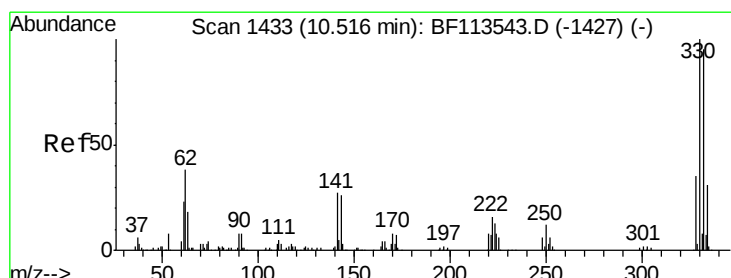
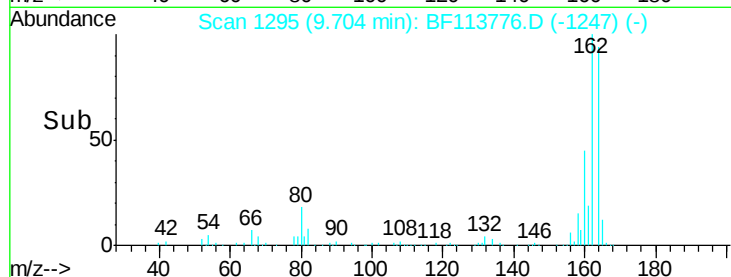
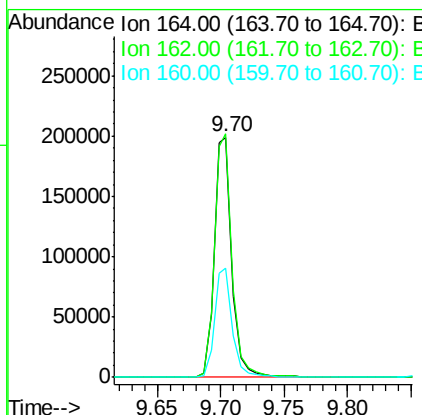
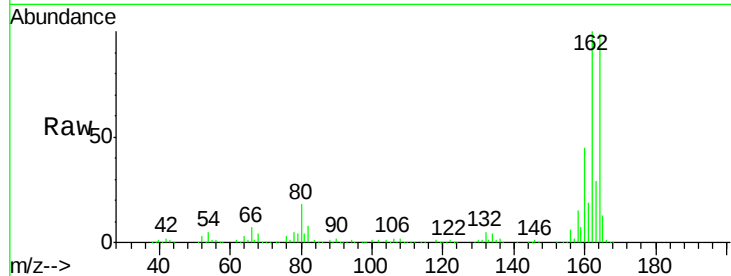
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.02 min
 Lab File: BF113776.D
 Acq: 15 Apr 2019 21:32

Instrument :
 BNA_F
 ClientSampled :
 TP-3-S

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	195471		
162	101.4	81.8	122.6	
160	45.7	36.4	54.6	

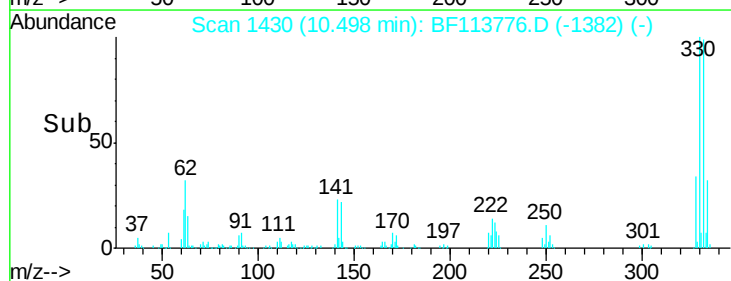
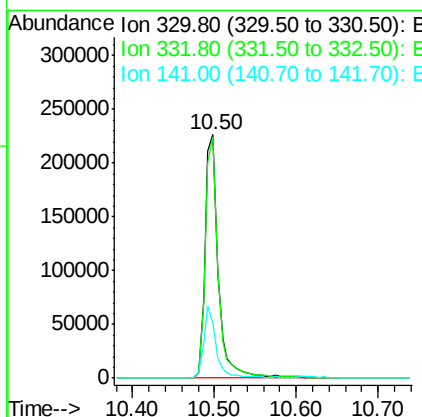
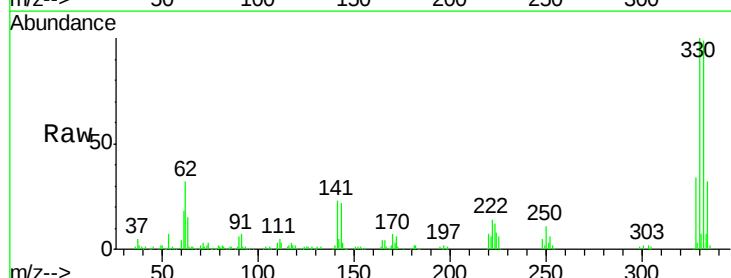
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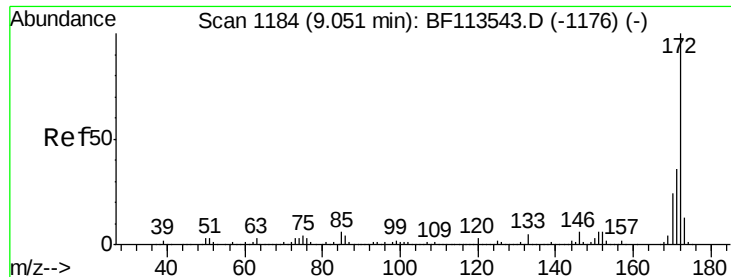
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#42
 2,4,6-Tribromophenol
 Concen: 109.494 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113776.D
 Acq: 15 Apr 2019 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	257100		
332	96.7	77.8	116.6	
141	28.3	22.7	34.1	





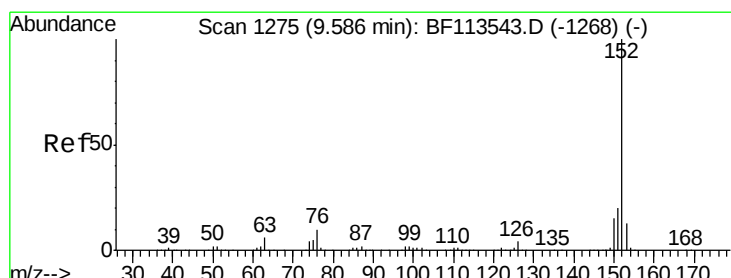
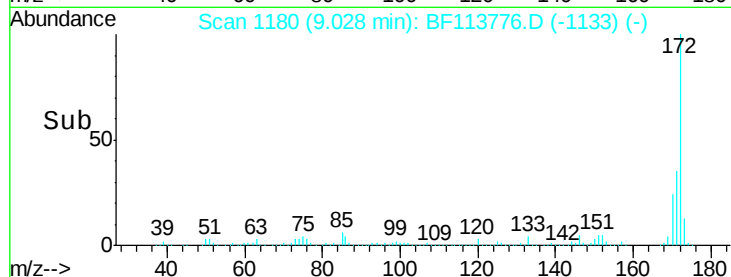
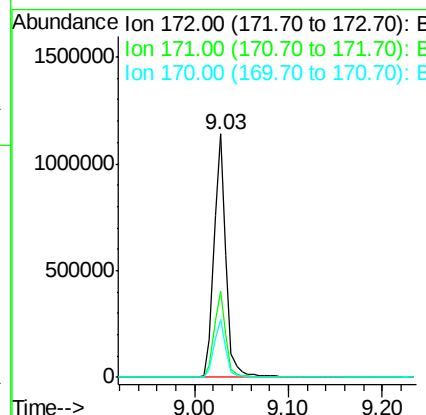
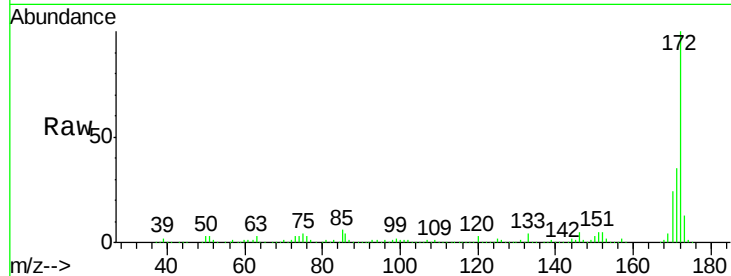
#45
2-Fluorobiphenyl
Concen: 85.082 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BF113776.D
Acq: 15 Apr 2019 21:32

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.0	43.6
170	23.9	19.5	29.3

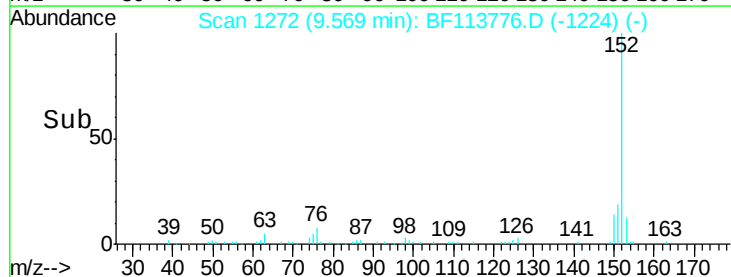
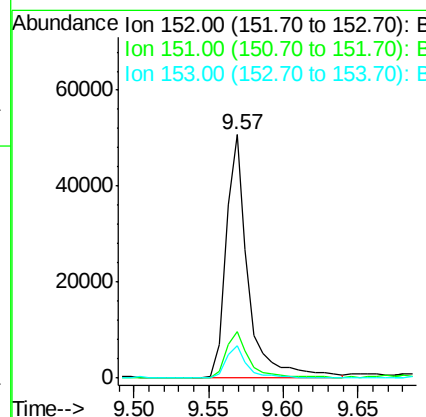
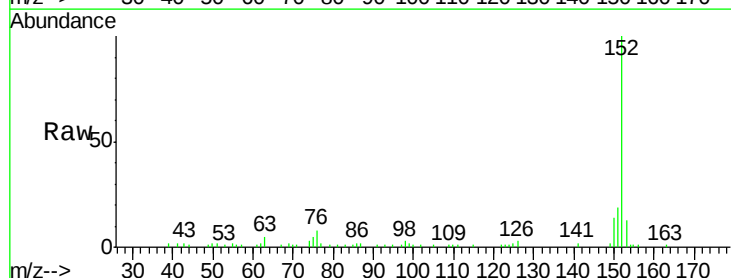
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#49
Acenaphthylene
Concen: 2.660 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF113776.D
Acq: 15 Apr 2019 21:32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.2	24.4
153	13.1	11.0	16.6





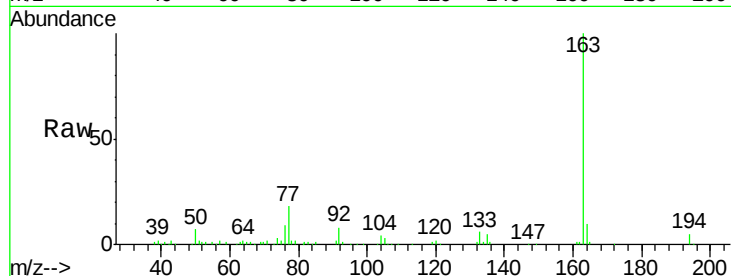
#50
Dimethylphthalate
Concen: 9.480 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113776.D
Acq: 15 Apr 2019 21:32

Instrument :
BNA_F
ClientSampled :
TP-3-S

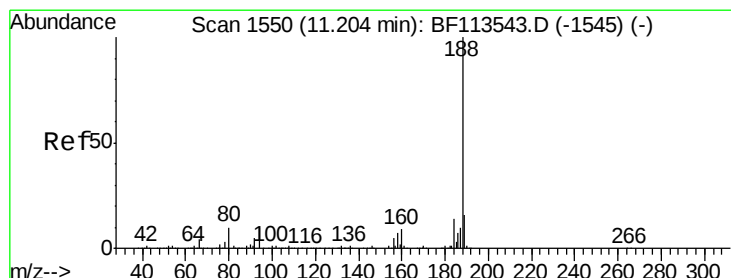
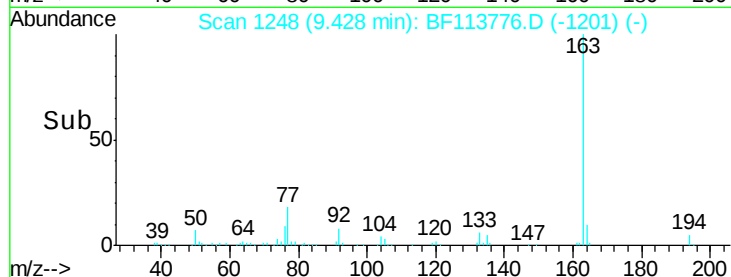
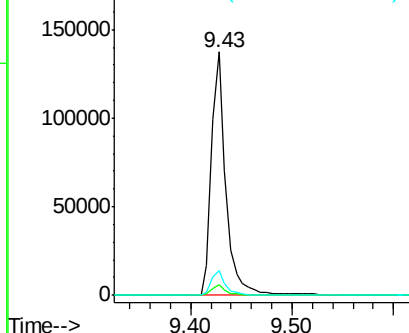
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.6	3.0	4.6#
164	10.2	8.1	12.1

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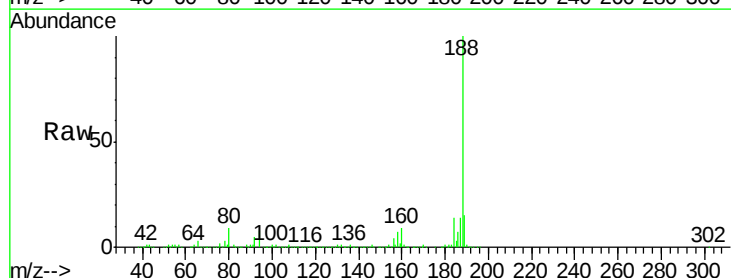


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

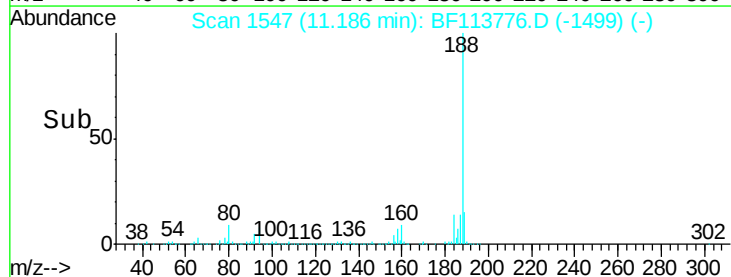
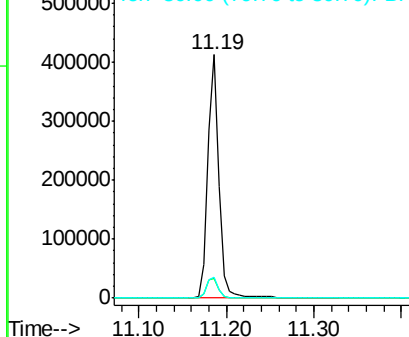


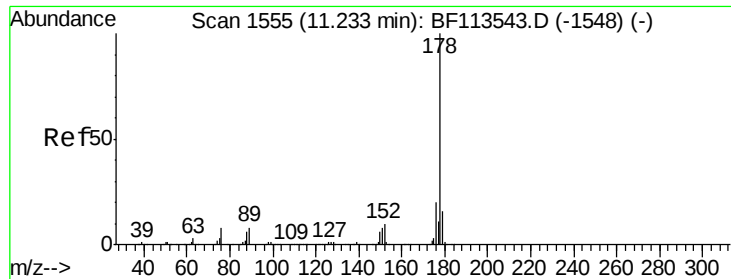
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF113776.D
Acq: 15 Apr 2019 21:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.3	7.0	10.6
80	8.6	7.7	11.5



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





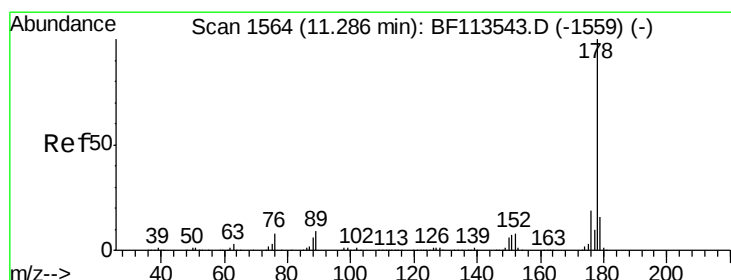
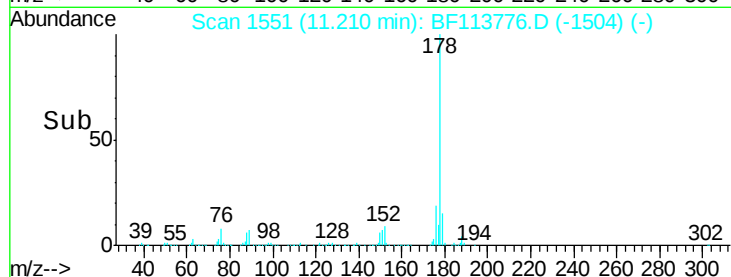
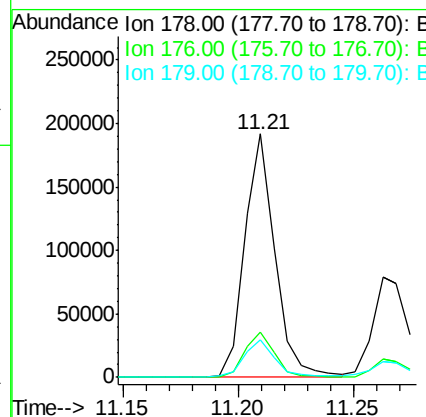
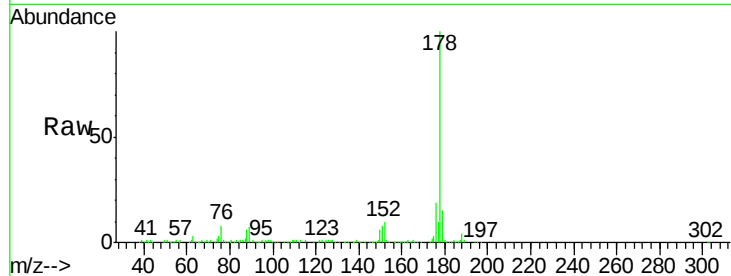
#71
Phenanthrene
Concen: 9.695 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF113776.D
Acq: 15 Apr 2019 21:32

Instrument :
BNA_F
ClientSampled :
TP-3-S

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.2
179	15.2	12.7	19.1

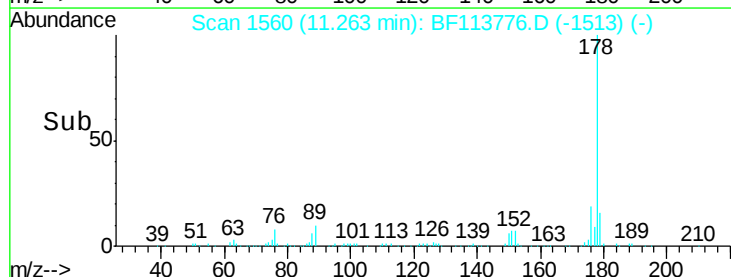
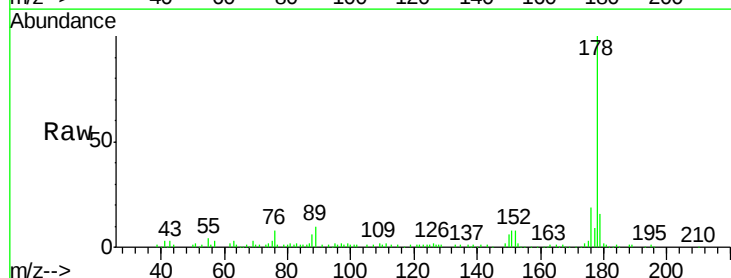
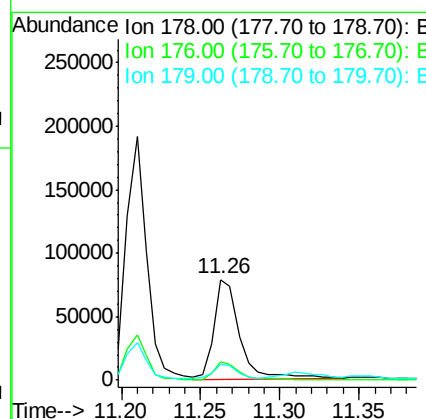
Manual Integrations
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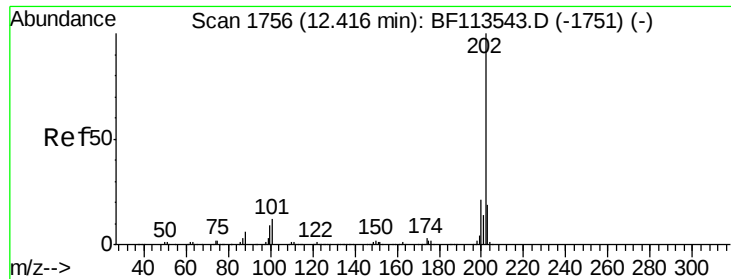
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#72
Anthracene
Concen: 4.800 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.02 min
Lab File: BF113776.D
Acq: 15 Apr 2019 21:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	16.1	12.8	19.2





#75

Fluoranthene

Concen: 42.341 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113776.D

Acq: 15 Apr 2019 21:32

Instrument :

BNA_F

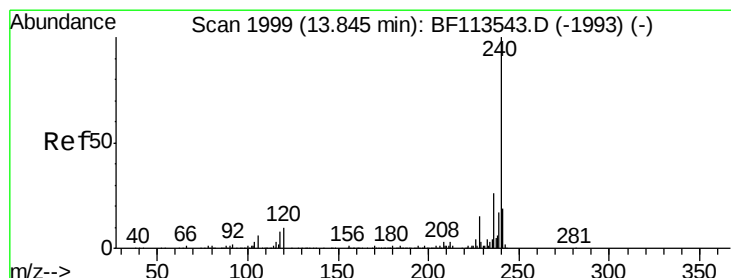
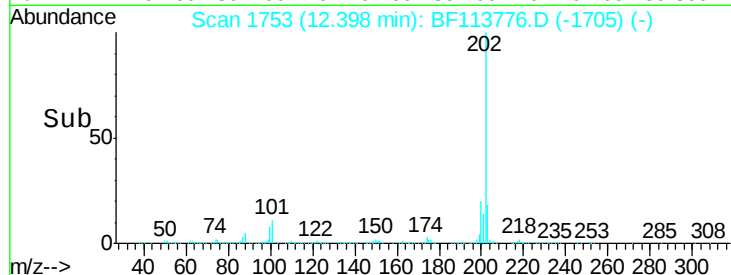
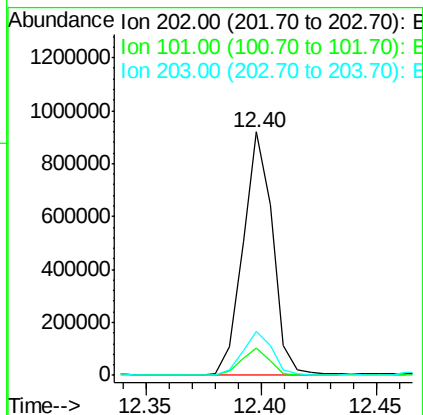
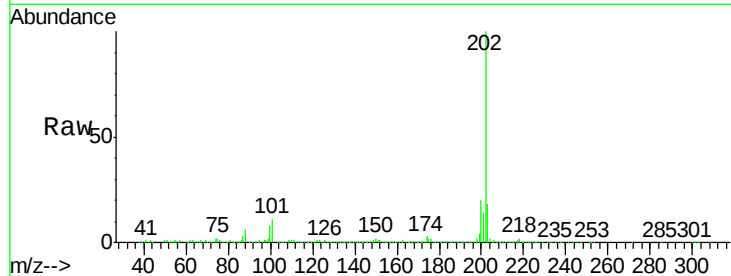
ClientSampleId :

TP-3-S

Tgt Ion:	202	Resp:	821236
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	31.4
203	18.1	0.0	38.0

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#76

Chrysene-d12

Concen: 20.000 ng

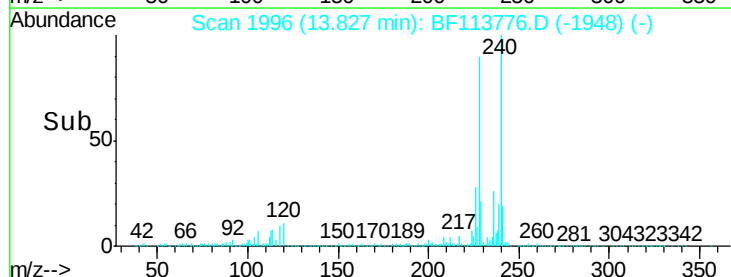
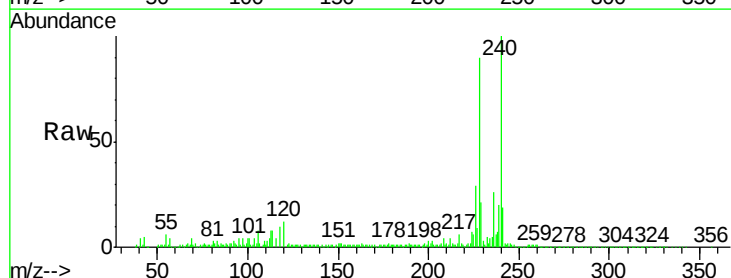
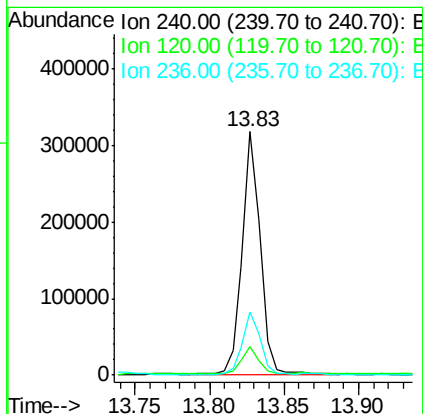
RT: 13.83 min Scan# 1996

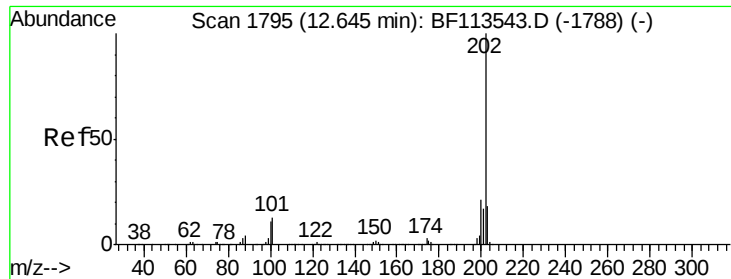
Delta R.T. -0.02 min

Lab File: BF113776.D

Acq: 15 Apr 2019 21:32

Tgt Ion:	240	Resp:	265032
Ion Ratio	Lower	Upper	
240	100		
120	11.6	8.8	13.2
236	25.9	20.9	31.3





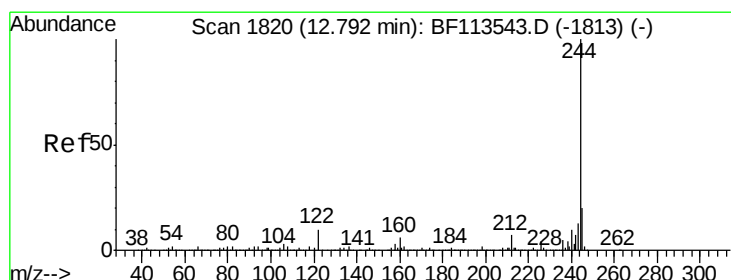
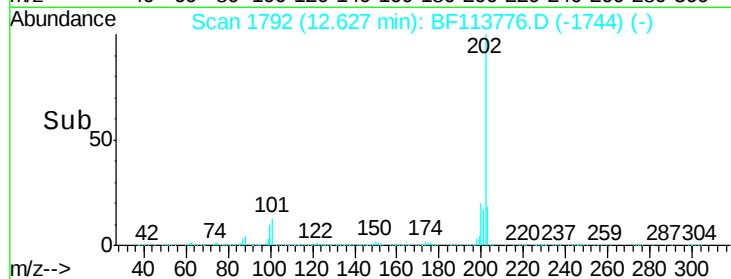
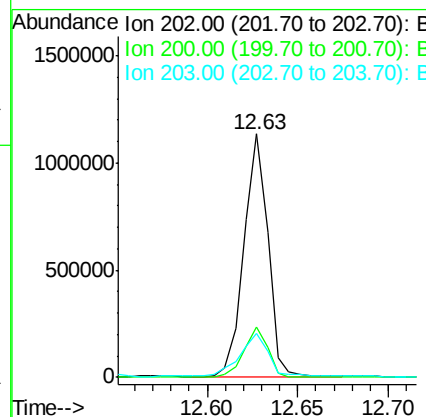
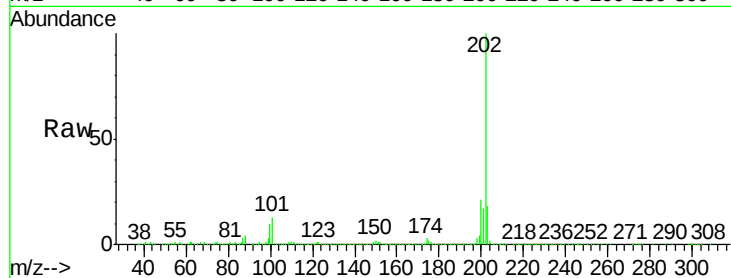
#78
 Pyrene
 Concen: 51.956 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.02 min
 Lab File: BF113776.D
 Acq: 15 Apr 2019 21:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-S

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.8	25.2
203	18.3	14.4	21.6

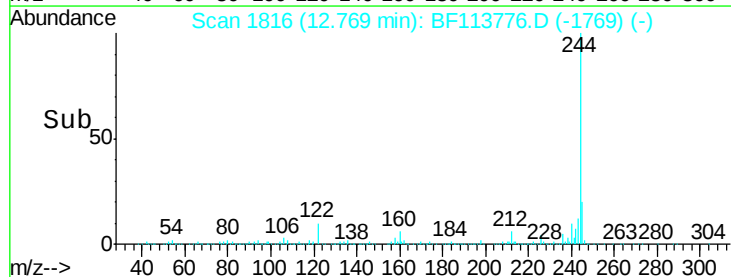
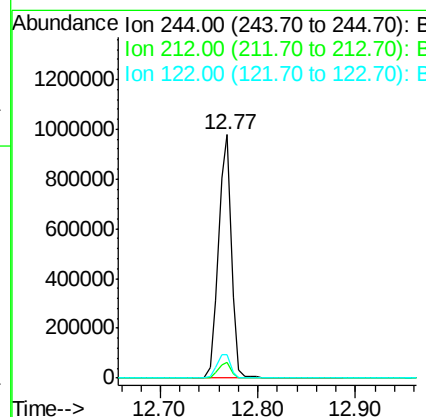
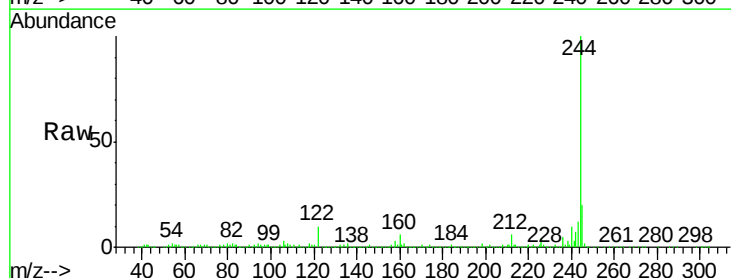
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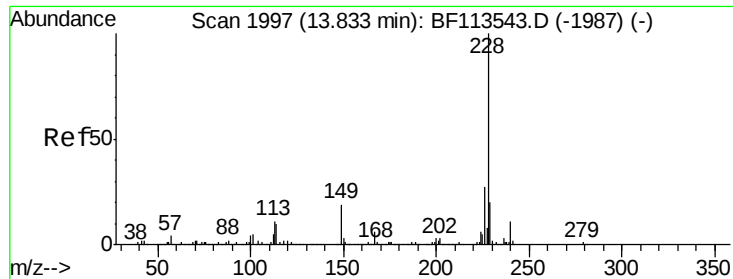
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#79
 Terphenyl-d14
 Concen: 68.644 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.02 min
 Lab File: BF113776.D
 Acq: 15 Apr 2019 21:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.5	8.3
122	9.7	8.6	13.0





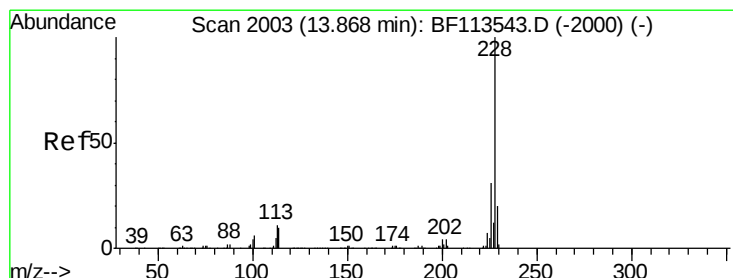
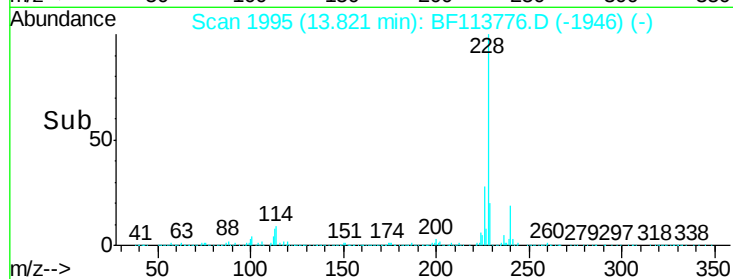
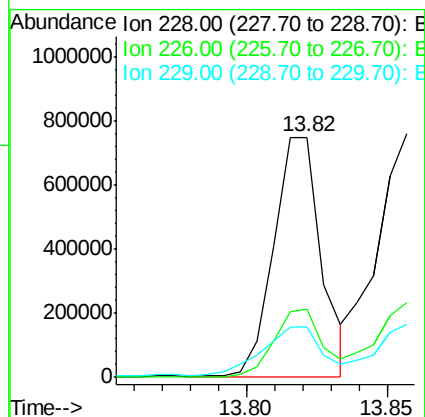
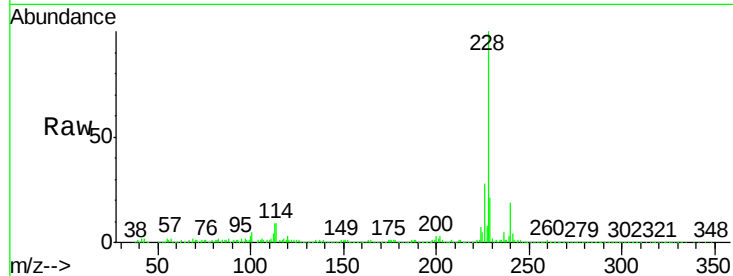
#81
Benzo(a)anthracene
Concen: 57.019 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF113776.D
Acq: 15 Apr 2019 21:32

Instrument :
BNA_F
ClientSampled :
TP-3-S

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.8	32.8
229	20.8	16.2	24.4

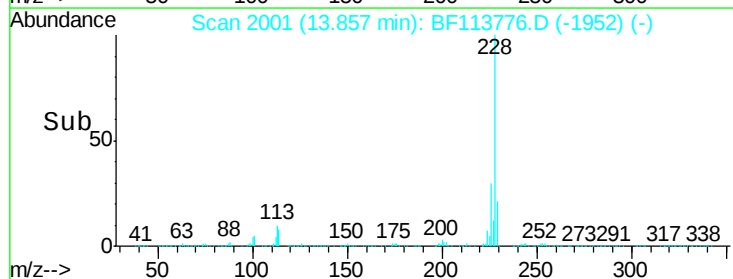
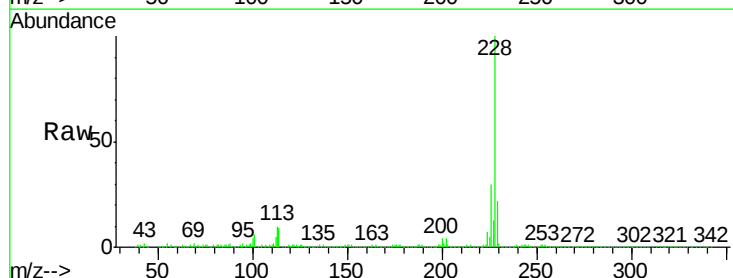
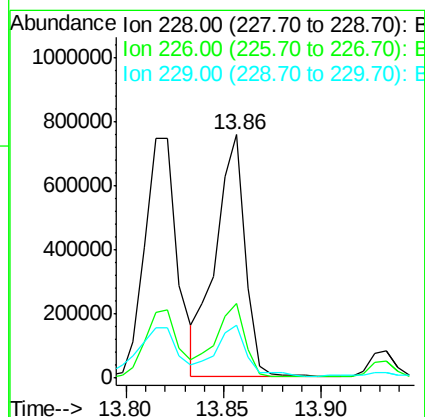
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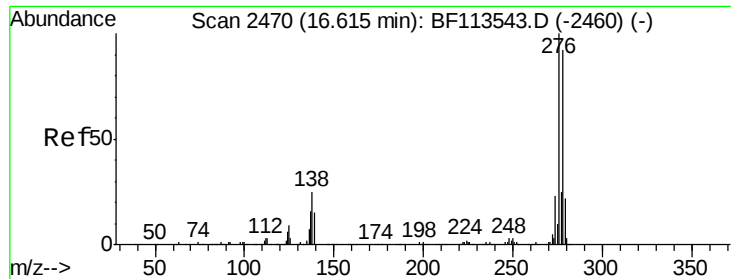
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#83
Chrysene
Concen: 51.769 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF113776.D
Acq: 15 Apr 2019 21:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	21.9	16.3	24.5





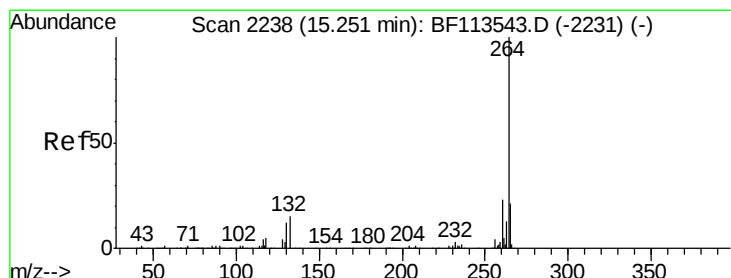
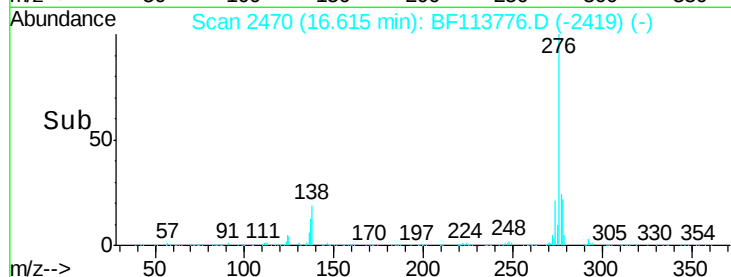
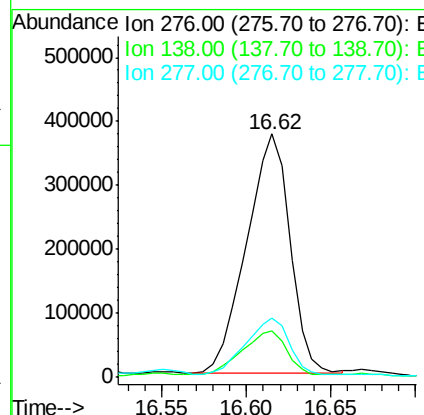
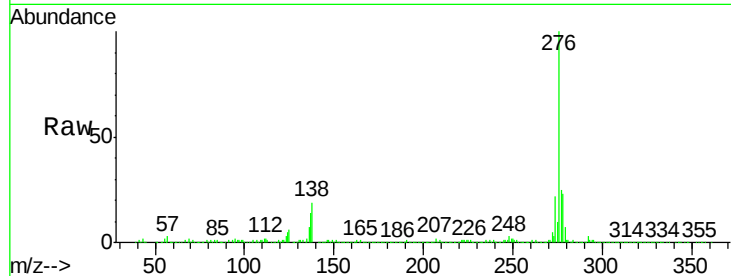
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 47.031 ng
 RT: 16.62 min Scan# 2470
 Delta R.T. 0.00 min
 Lab File: BF113776.D
 Acq: 15 Apr 2019 21:32

Instrument :
 BNA_F
 ClientSampled :
 TP-3-S

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	18.1	27.1
277	23.7	20.2	30.4

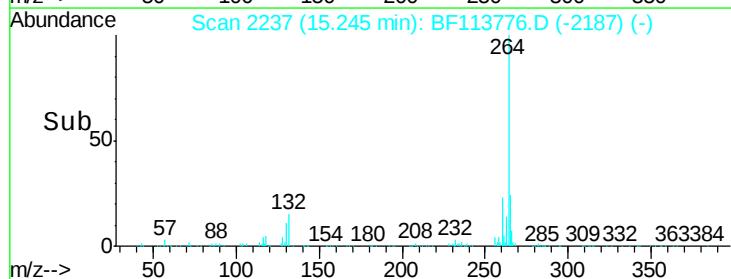
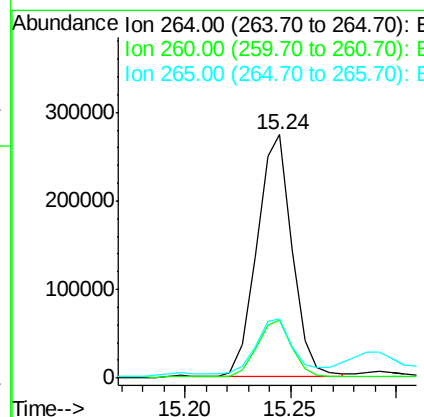
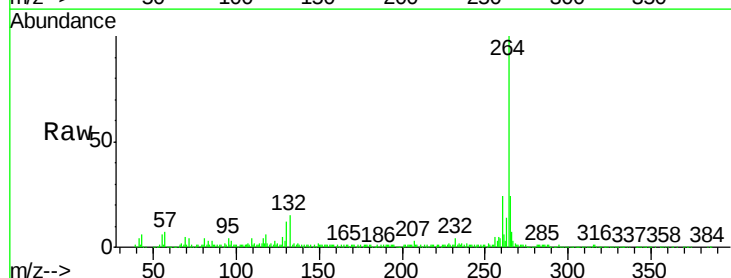
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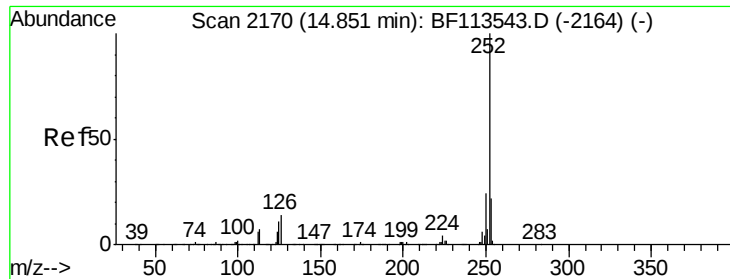
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BF113776.D
 Acq: 15 Apr 2019 21:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	24.1	17.1	25.7





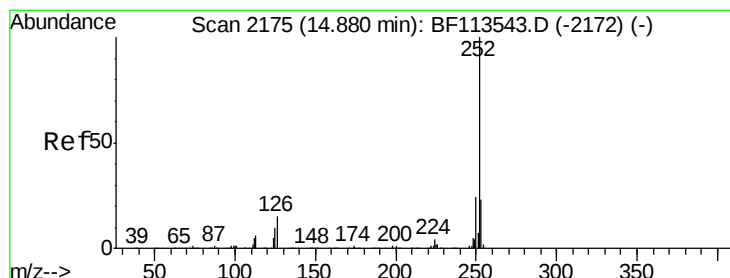
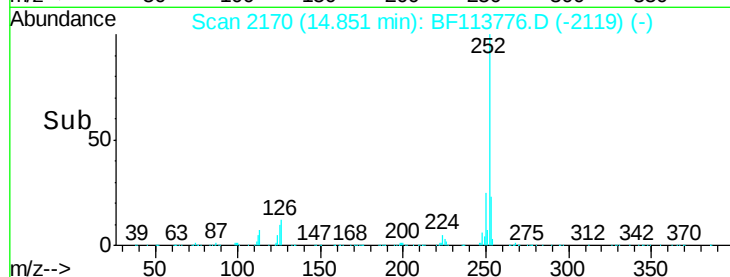
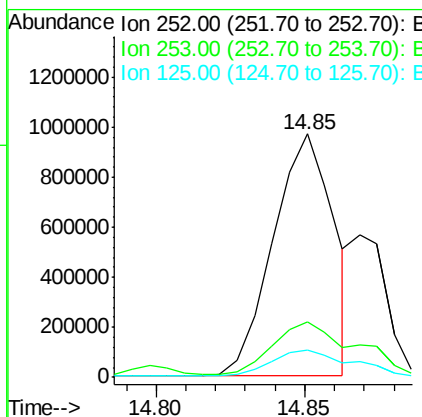
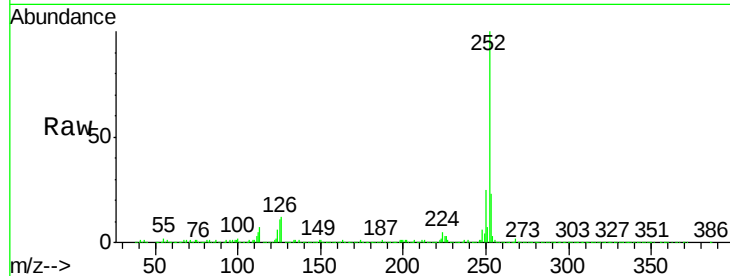
#88
Benzo(b)fluoranthene
Concen: 70.923 ng m
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF113776.D
Acq: 15 Apr 2019 21:32

Instrument :
BNA_F
ClientSampleId :
TP-3-S

Tgt Ion: 252 Resp: 1375506
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 11.0 7.6 11.4

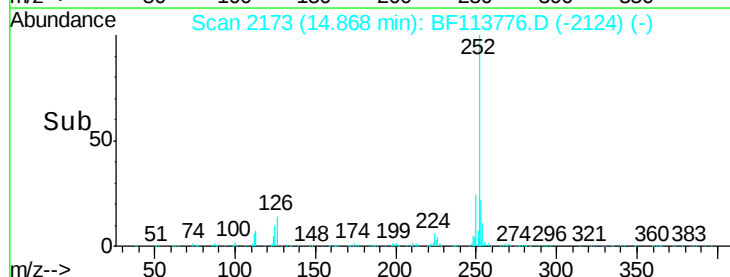
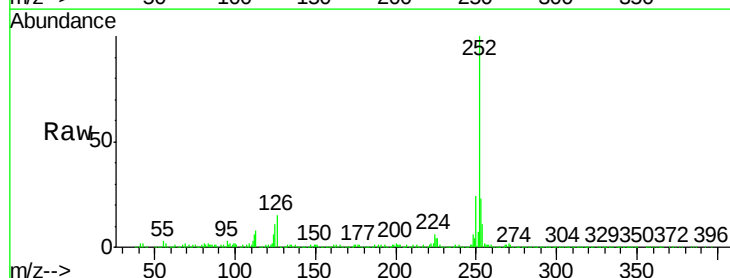
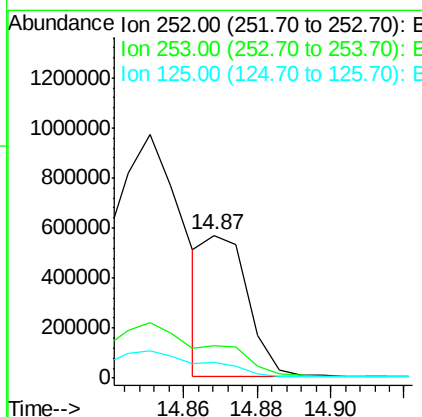
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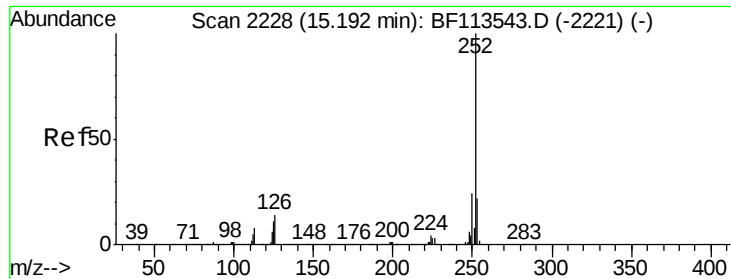
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#89
Benzo(k)fluoranthene
Concen: 26.360 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113776.D
Acq: 15 Apr 2019 21:32

Tgt Ion: 252 Resp: 458816
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 11.0 7.3 10.9#





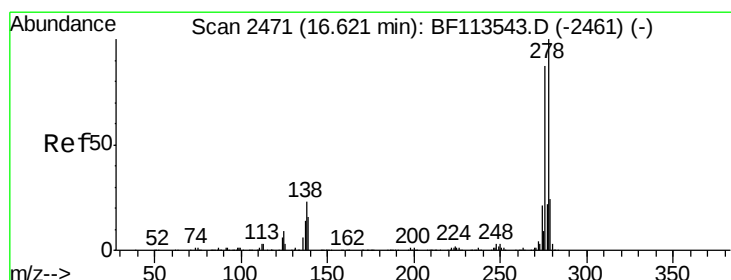
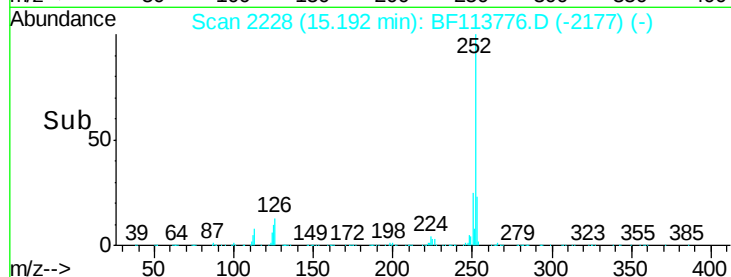
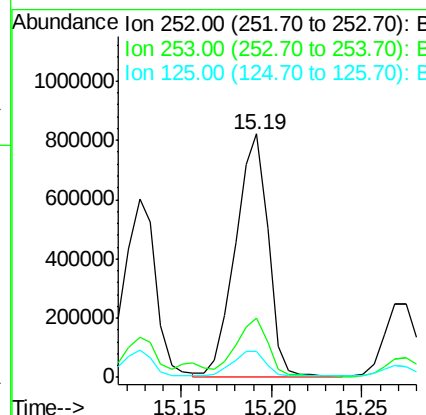
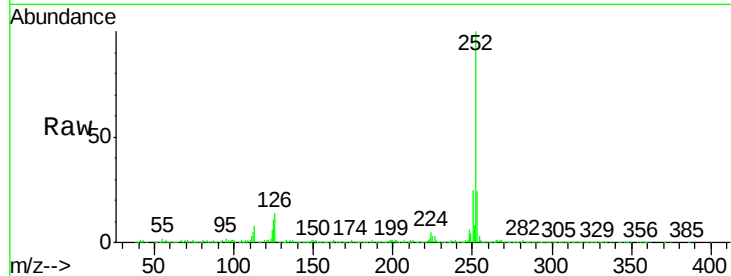
#90
Benzo(a)pyrene
Concen: 59.381 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.00 min
Lab File: BF113776.D
Acq: 15 Apr 2019 21:32

Instrument :
BNA_F
ClientSampled :
TP-3-S

Tgt Ion: 252 Resp: 1023362
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 10.9 8.8 13.2

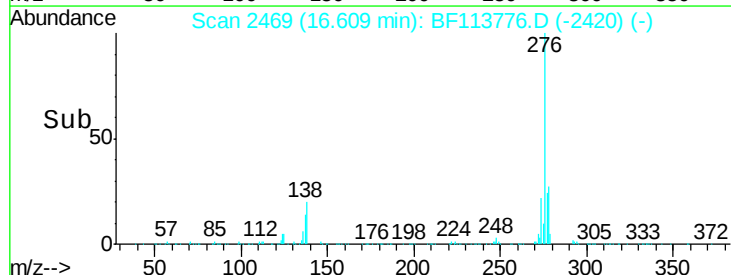
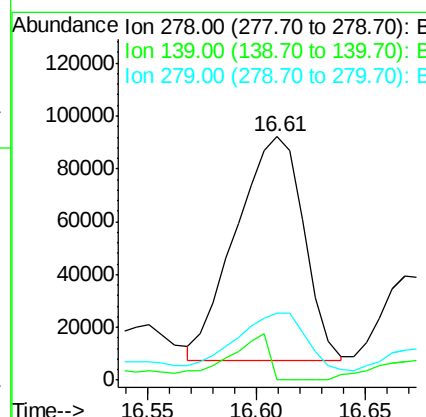
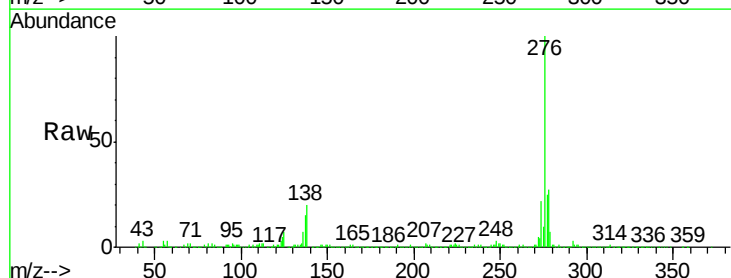
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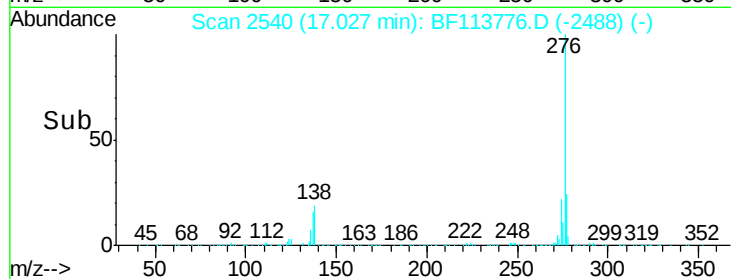
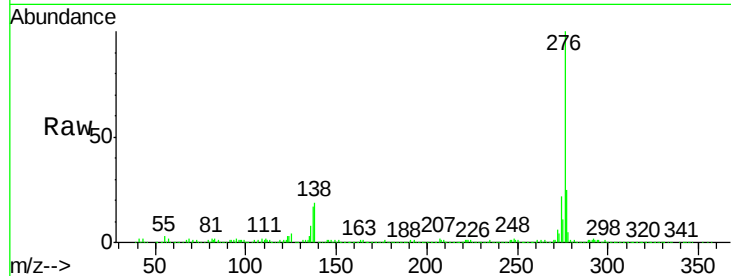
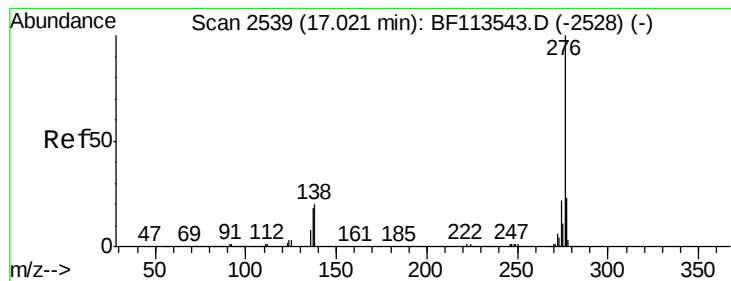
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#91
Dibenzo(a,h)anthracene
Concen: 11.319 ng m
RT: 16.61 min Scan# 2469
Delta R.T. -0.01 min
Lab File: BF113776.D
Acq: 15 Apr 2019 21:32

Tgt Ion: 278 Resp: 182416
Ion Ratio Lower Upper
278 100
139 0.0 12.0 18.0#
279 27.3 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 37.207 ng

RT: 17.03 min Scan# 2540

Delta R.T. 0.01 min

Lab File: BF113776.D

Acq: 15 Apr 2019 21:32

Instrument :

BNA_F

ClientSampleId :

TP-3-S

Tgt Ion:	276	Resp:	612040
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.8	28.2
138	19.1	15.6	23.4

Manual Integrations
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