

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
 Data File : BF116375.D
 Acq On : 18 Aug 2019 3:39
 Operator : HP/JU
 Sample : K4384-04 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B4(3-4)

Manual Integrations
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 8/19/2019 3:31:28 PM

Quant Time: Aug 19 07:59:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	126161	20.00	ng	-0.04
21) Naphthalene-d8	8.09	136	504471	20.00	ng	-0.04
39) Acenaphthene-d10	9.84	164	245848	20.00	ng	-0.05
64) Phenanthrene-d10	11.33	188	367675	20.00	ng	-0.04
76) Chrysene-d12	13.97	240	237733	20.00	ng	-0.04
87) Perylene-d12	15.43	264	280800	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	75291	9.99	ng	-0.01
7) Phenol-d6	6.47	99	109218	11.49	ng	-0.02
23) Nitrobenzene-d5	7.39	82	65770	7.53	ng	-0.03
42) 2,4,6-Tribromophenol	10.64	330	18019	7.56	ng	-0.04
45) 2-Fluorobiphenyl	9.16	172	133110	10.14	ng	-0.04
79) Terphenyl-d14	12.90	244	99049	8.78	ng	-0.05
Target Compounds						
71) Phenanthrene	11.35	178	212362	11.298	ng	98
72) Anthracene	11.41	178	51872	2.727	ng	98
75) Fluoranthene	12.54	202	250926	12.752	ng	99
78) Pyrene	12.77	202	230930	12.886	ng	98
81) Benzo(a)anthracene	13.96	228	109115	7.181	ng	98
83) Chrysene	14.00	228	100496	6.812	ng	99
86) Indeno(1,2,3-cd)pyrene	16.90	276	64984	5.245	ng	97
88) Benzo(b)fluoranthene	15.01	252	135278m	8.332	ng	
89) Benzo(k)fluoranthene	15.03	252	41327m	2.613	ng	
90) Benzo(a)pyrene	15.37	252	99923	6.885	ng	98
92) Benzo(a,h,i)perylene	17.34	276	60533	4.906	ng	98

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

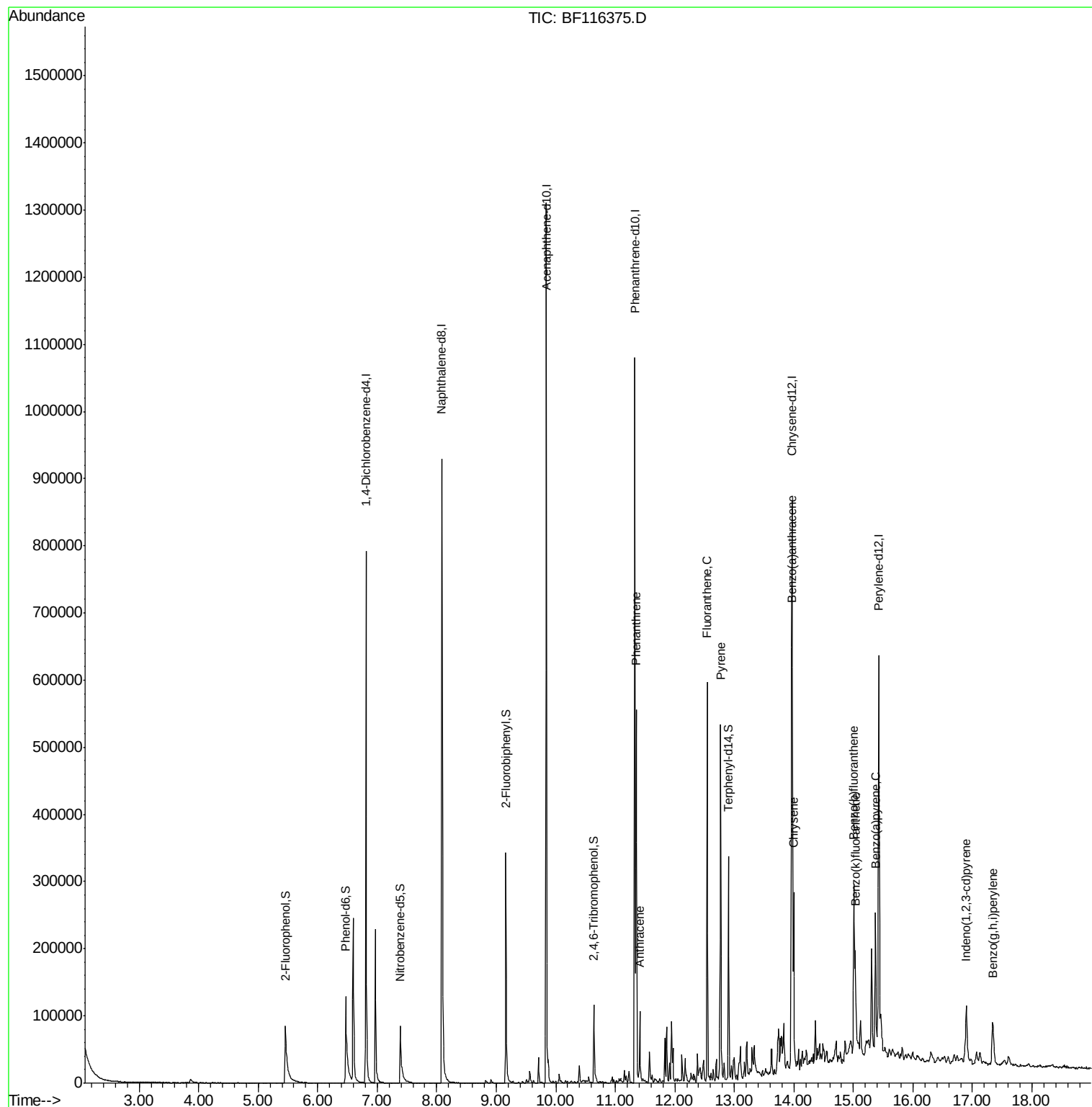
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
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Misc :
ALS Vial : 27 Sample Multiplier: 1

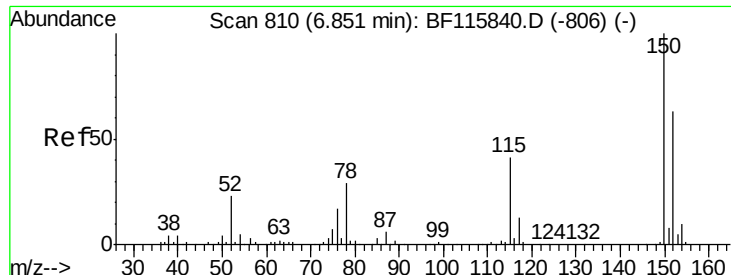
Instrument :
BNA_F
ClientSampleId :
B4(3-4)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
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#1

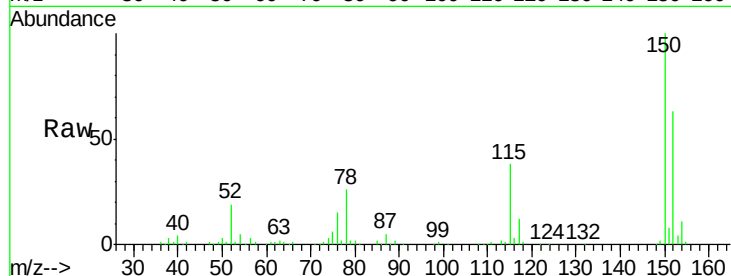
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.04 min
Lab File: BF116375.D
Acq: 18 Aug 2019 3:39

Instrument :
BNA_F
ClientSampleId :
B4(3-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.2	189.2
115	61.1	49.9	74.9

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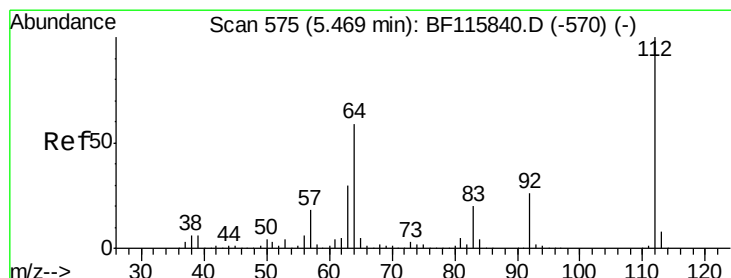
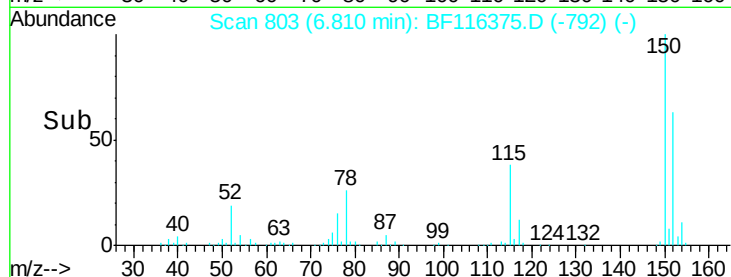
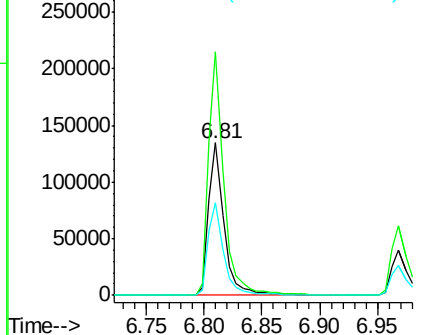


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

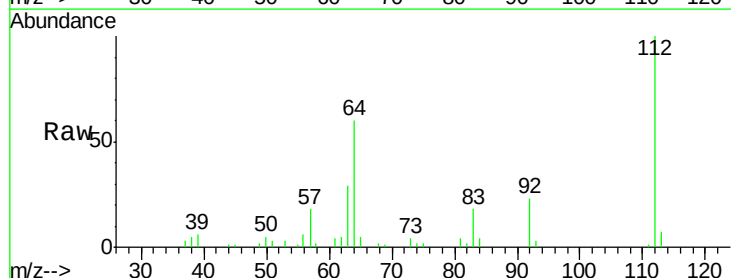
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 9.991 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116375.D
Acq: 18 Aug 2019 3:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	45.4	68.2
63	29.1	23.7	35.5

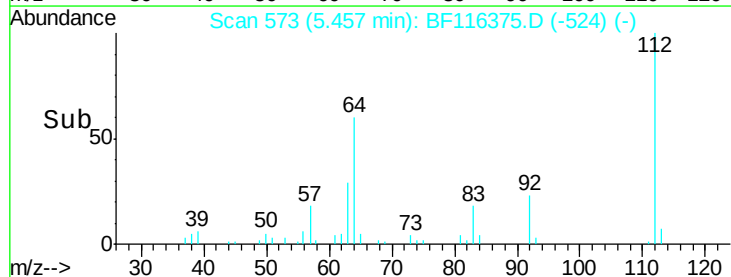
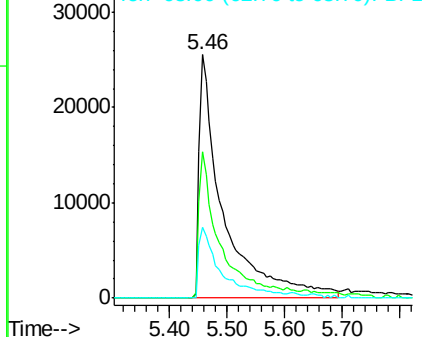


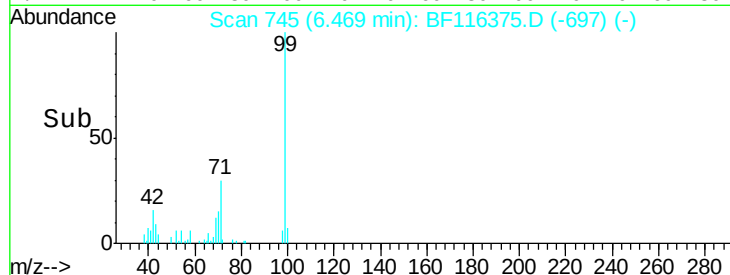
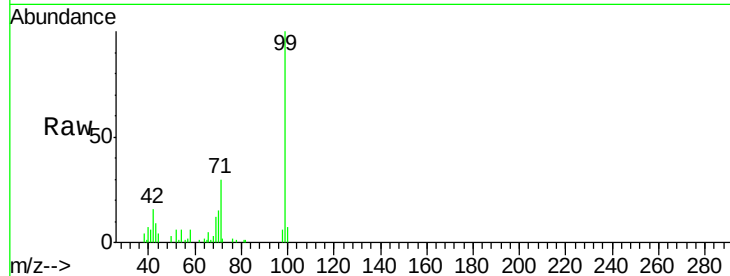
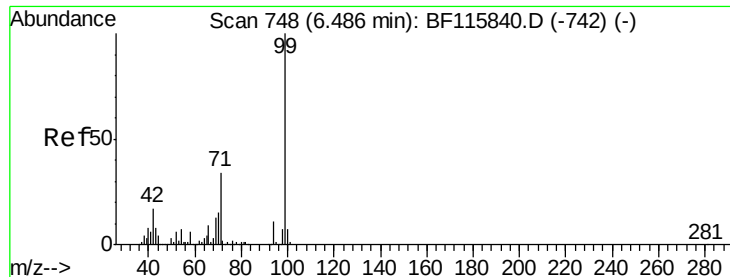
Abundance

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: 11.487 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116375.D

Acq: 18 Aug 2019 3:39

Tot Ion:	99	Resp:	109218
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.8	20.8
71	30.1	27.3	40.9

Instrument :

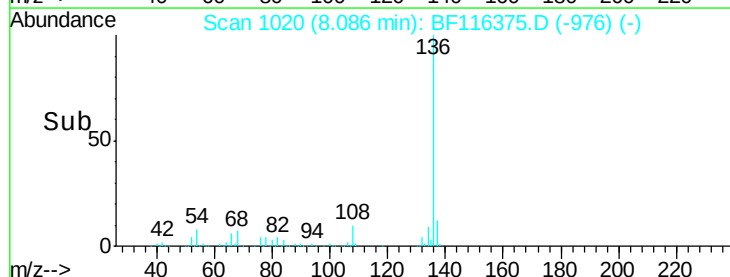
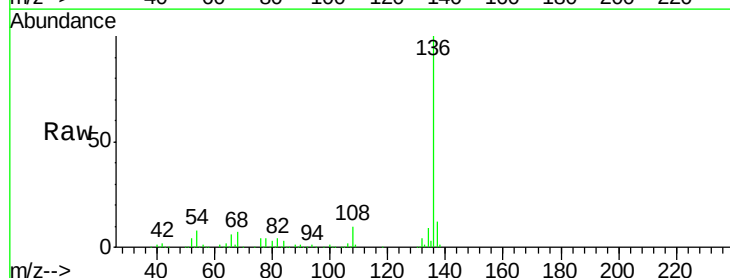
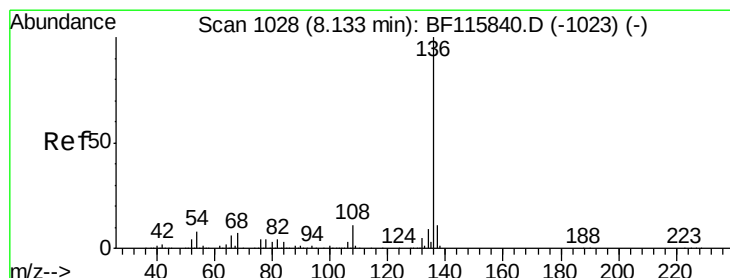
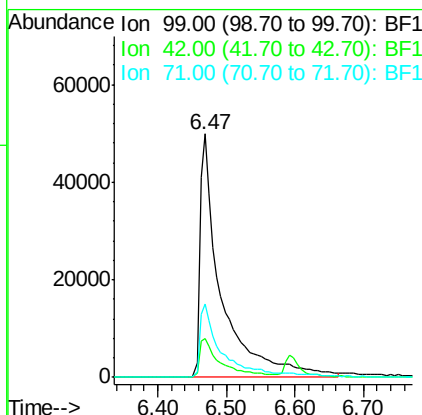
BNA_F

ClientSampleId :

B4(3-4)

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#21

Naphthalene-d8

Concen: 20.000 ng

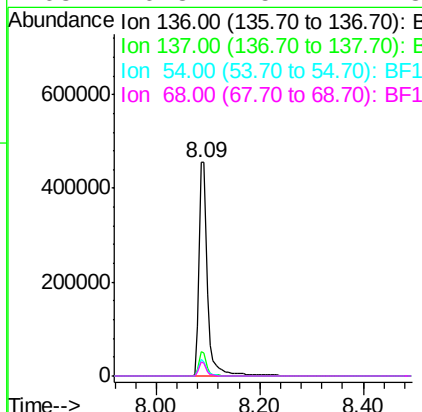
RT: 8.09 min Scan# 1020

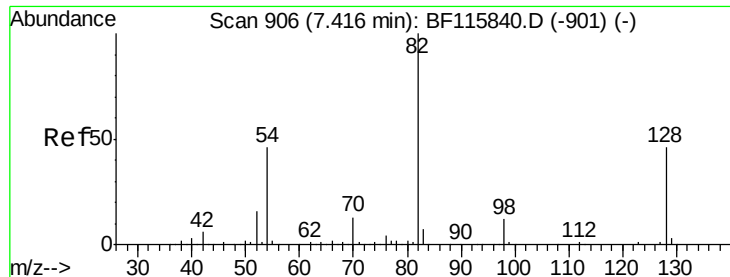
Delta R.T. -0.04 min

Lab File: BF116375.D

Acq: 18 Aug 2019 3:39

Tgt Ion:	136	Resp:	504471
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.0	13.4
54	7.7	5.8	8.6
68	6.8	5.2	7.8





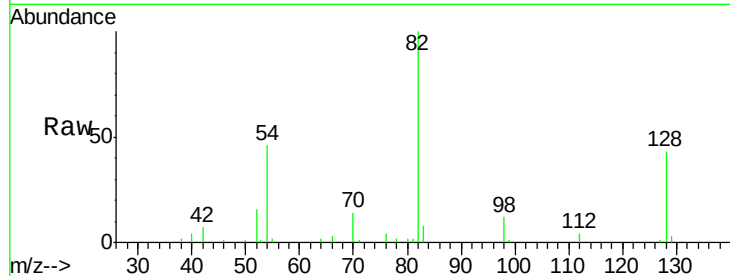
#23
 Nitrobenzene-d5
 Concen: 7.526 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.03 min
 Lab File: BF116375.D
 Acq: 18 Aug 2019 3:39

Instrument :
 BNA_F
 ClientSampleId :
 B4(3-4)

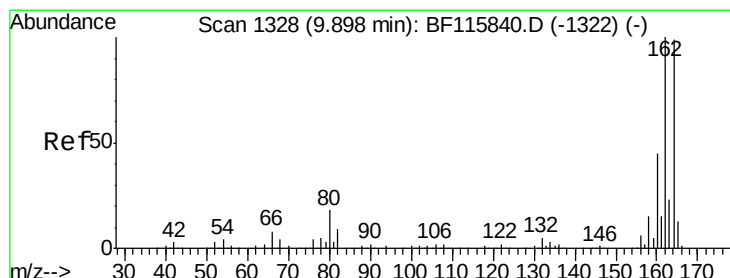
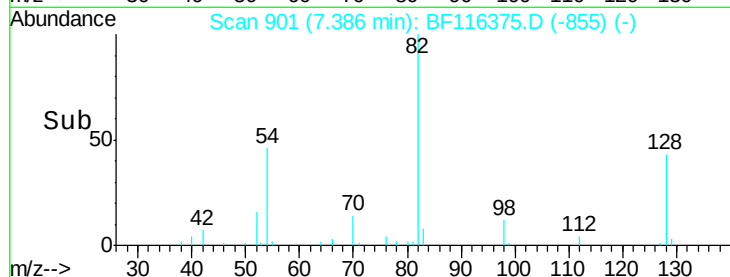
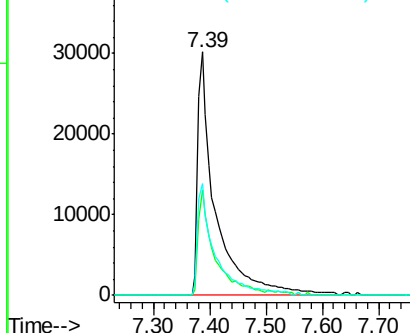
Tot Ion:	82	Resp:	65770
Ion Ratio	Lower	Upper	
82	100		
128	43.5	36.5	54.7
54	45.8	36.0	54.0

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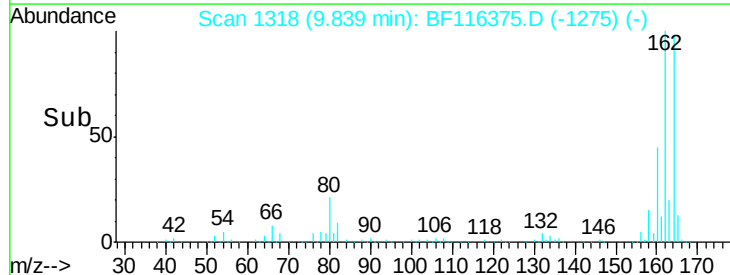
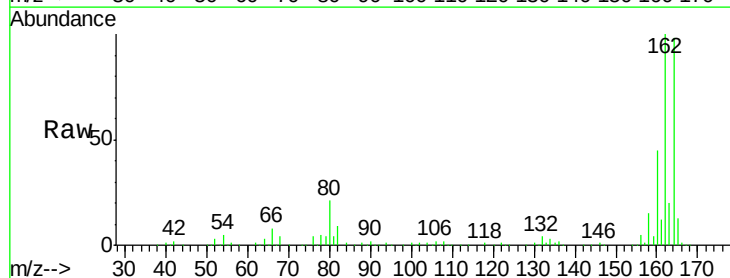
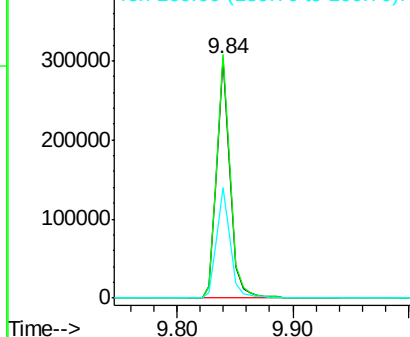
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

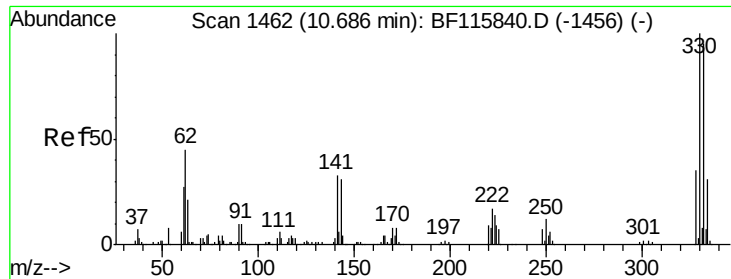


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.05 min
 Lab File: BF116375.D
 Acq: 18 Aug 2019 3:39

Tgt Ion:	164	Resp:	245848
Ion Ratio	Lower	Upper	
164	100		
162	101.7	82.6	124.0
160	46.1	37.6	56.4

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 7.560 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.04 min

Lab File: BF116375.D

Acq: 18 Aug 2019 3:39

Instrument :

BNA_F

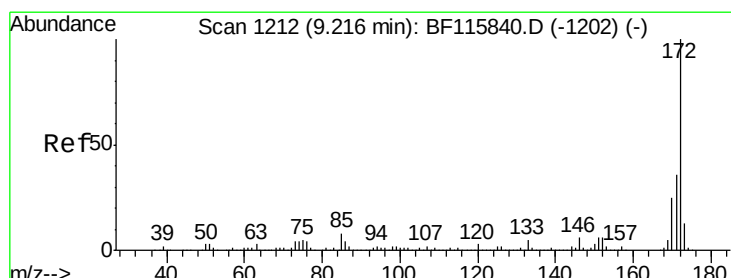
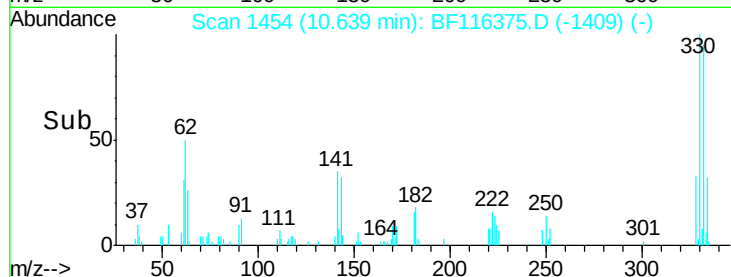
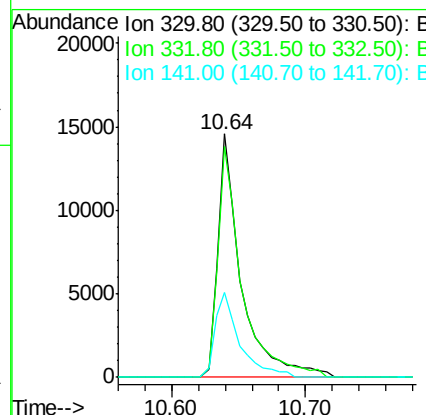
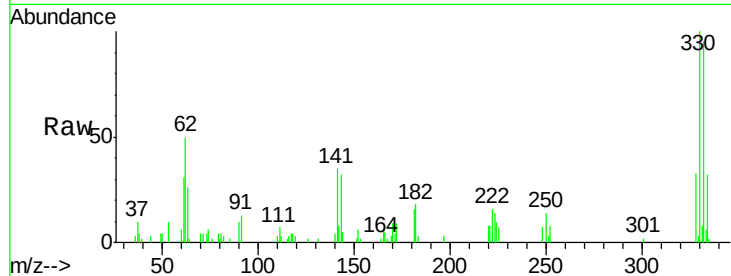
ClientSampled :

B4(3-4)

Tot Ion:	330	Resp:	18019
Ion Ratio		Lower	Upper
330	100		
332	97.9	76.8	115.2
141	36.2	26.3	39.5

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#45

2-Fluorobiphenyl

Concen: 10.141 ng

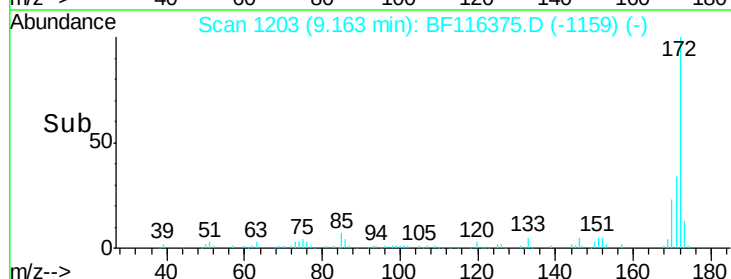
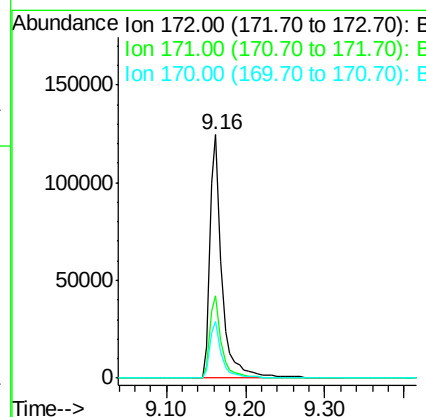
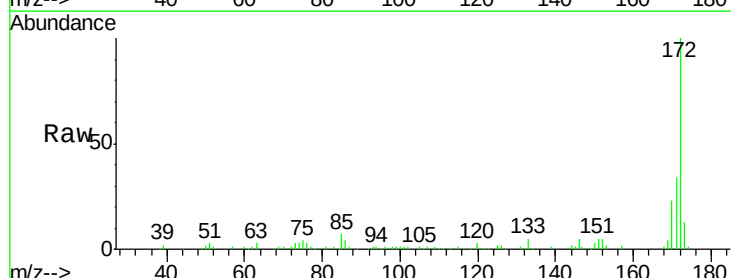
RT: 9.16 min Scan# 1203

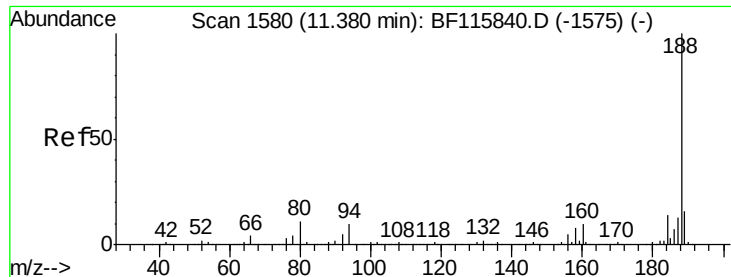
Delta R.T. -0.04 min

Lab File: BF116375.D

Acq: 18 Aug 2019 3:39

Tgt Ion:	172	Resp:	133110
Ion Ratio		Lower	Upper
172	100		
171	33.6	29.6	44.4
170	23.1	20.1	30.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.04 min

Lab File: BF116375.D

Acq: 18 Aug 2019 3:39

Instrument :

BNA_F

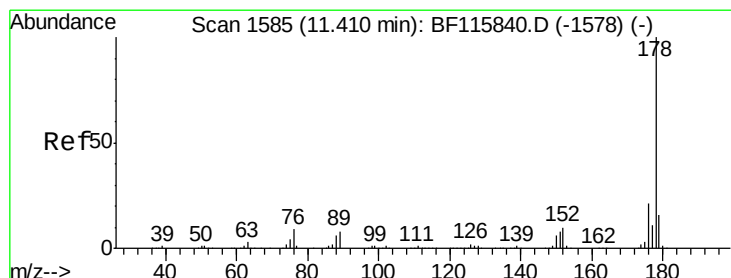
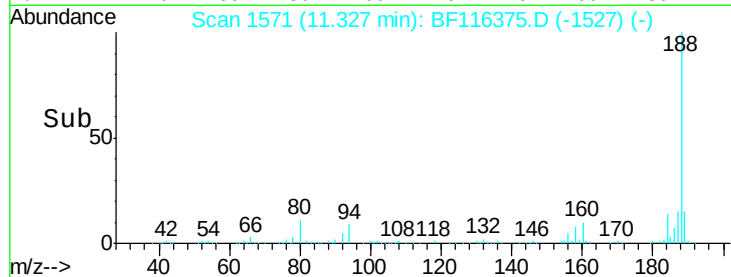
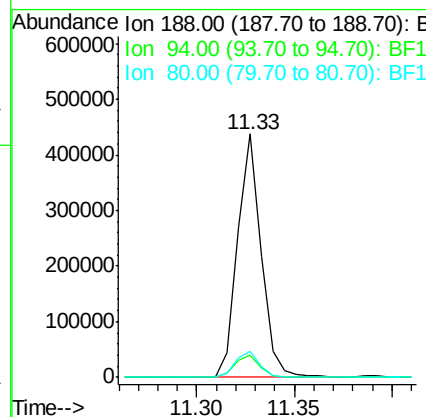
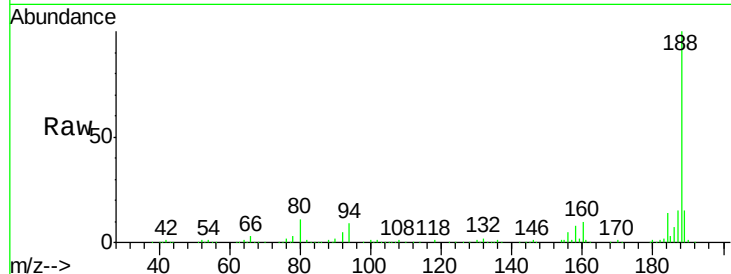
ClientSampled :

B4(3-4)

Tot Ion:	188	Resp:	367675
Ion Ratio	Lower	Upper	
188	100		
94	9.2	8.1	12.1
80	10.6	8.7	13.1

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#71

Phenanthrene

Concen: 11.298 ng

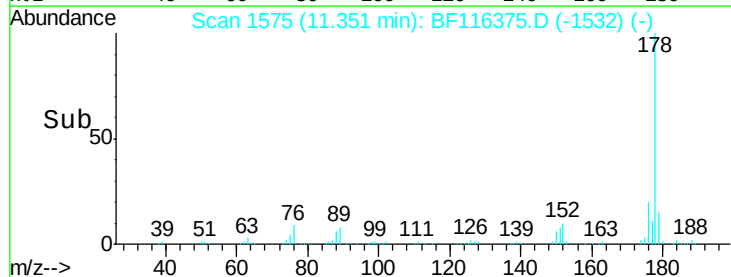
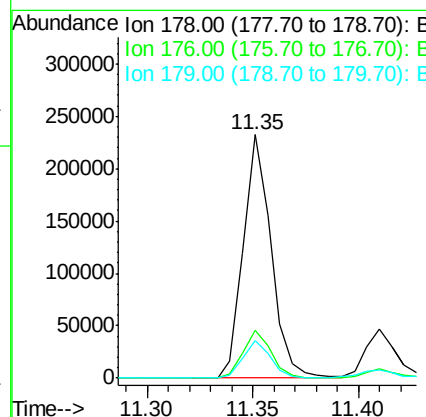
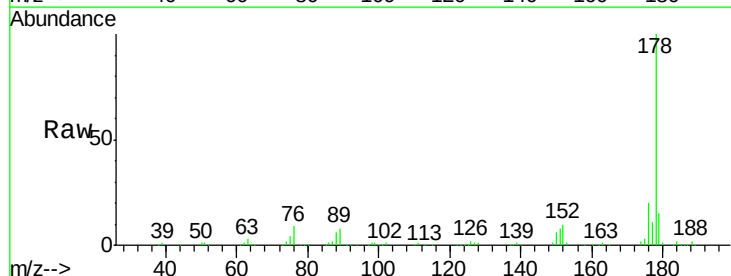
RT: 11.35 min Scan# 1575

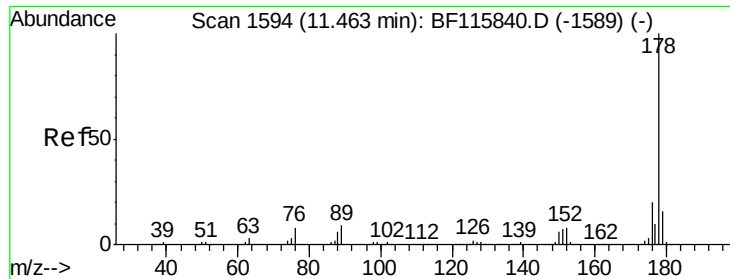
Delta R.T. -0.05 min

Lab File: BF116375.D

Acq: 18 Aug 2019 3:39

Tgt Ion:	178	Resp:	212362
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.6	24.8
179	15.3	12.5	18.7





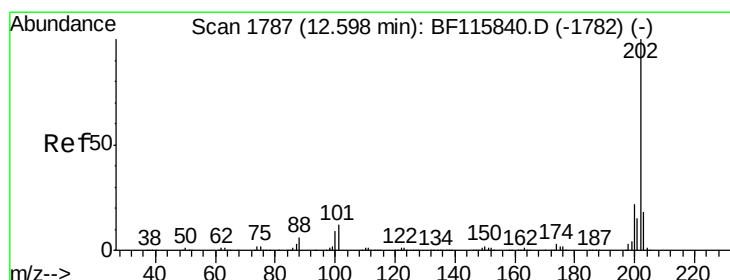
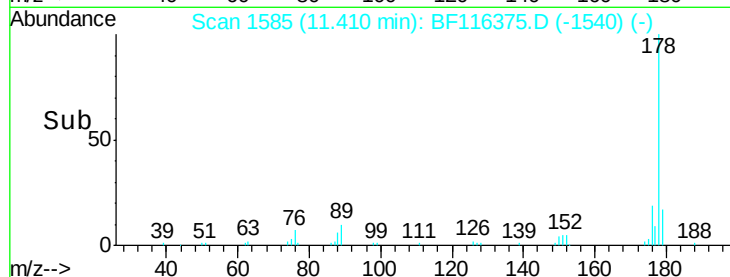
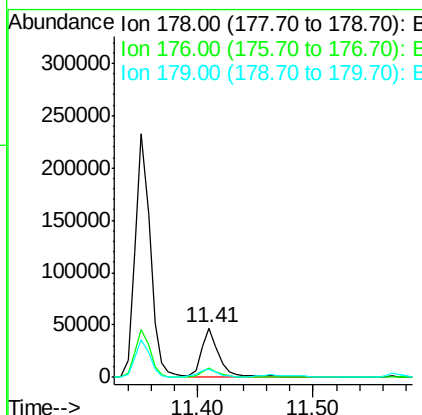
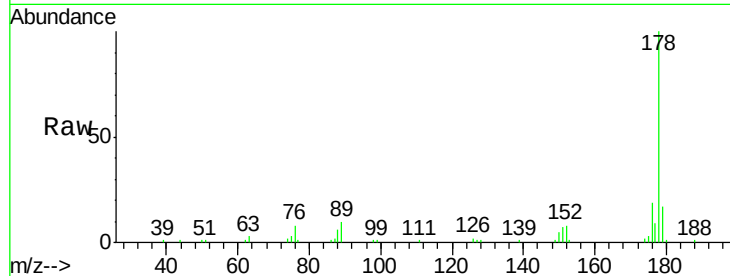
#72
 Anthracene
 Concen: 2.727 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.04 min
 Lab File: BF116375.D
 Acq: 18 Aug 2019 3:39

Instrument :
 BNA_F
 ClientSampleId :
 B4(3-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	16.9	13.0	19.6

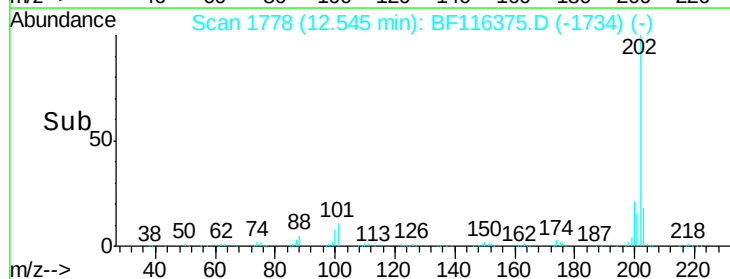
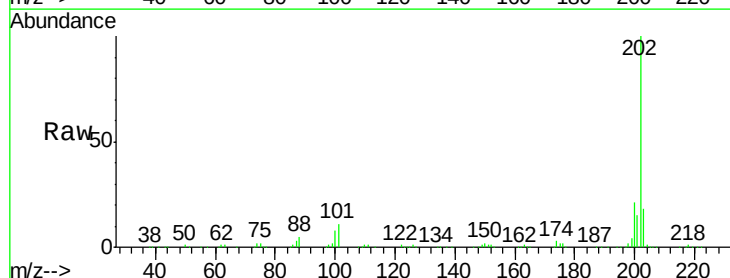
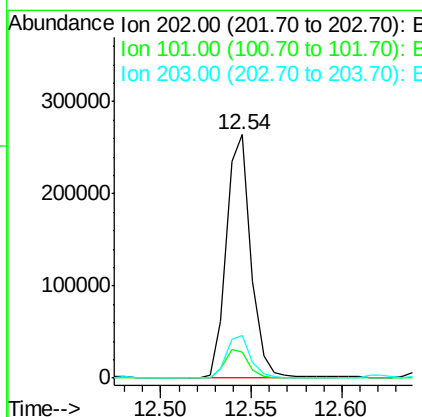
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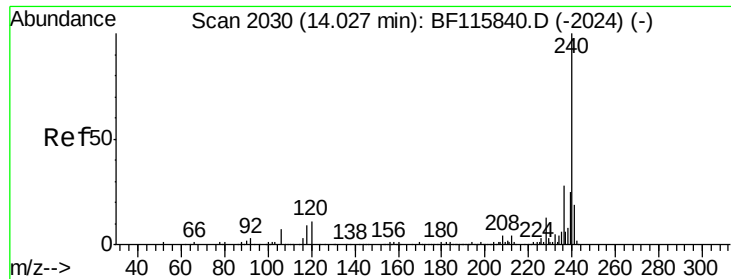
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#75
 Fluoranthene
 Concen: 12.752 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.04 min
 Lab File: BF116375.D
 Acq: 18 Aug 2019 3:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.2
203	17.5	0.0	37.8





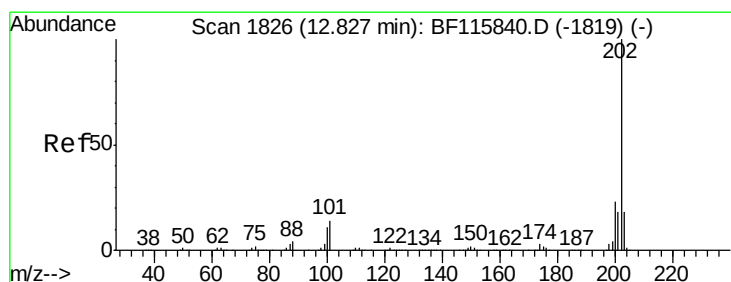
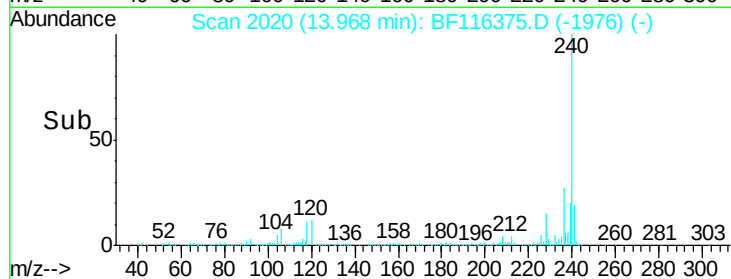
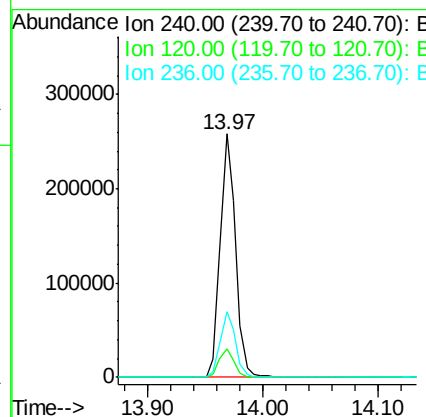
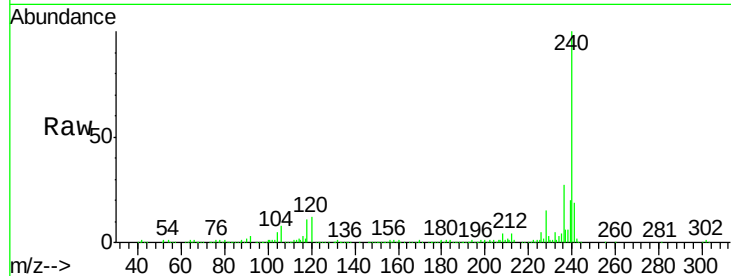
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.04 min
Lab File: BF116375.D
Acq: 18 Aug 2019 3:39

Instrument :
BNA_F
ClientSampleId :
B4(3-4)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	237733		
120	11.8	10.7	16.1	
236	27.2	22.2	33.2	

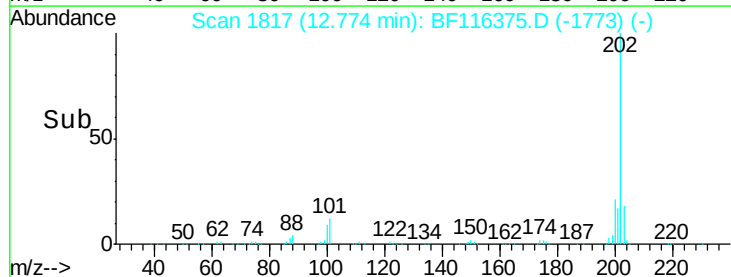
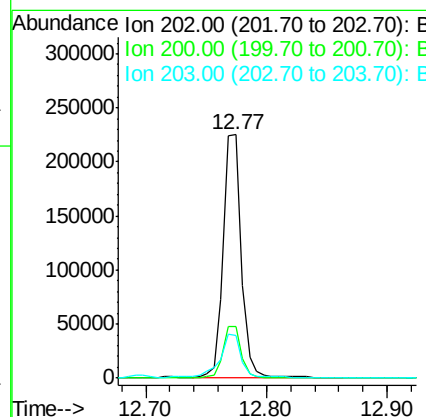
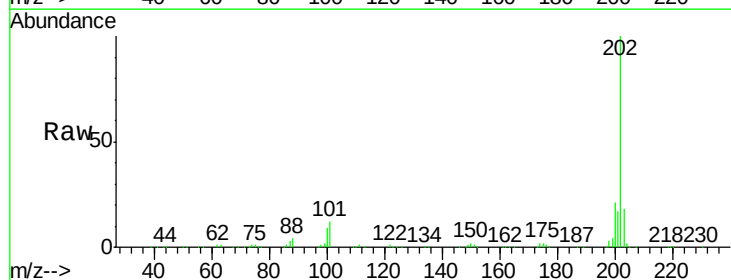
Manual Integrations
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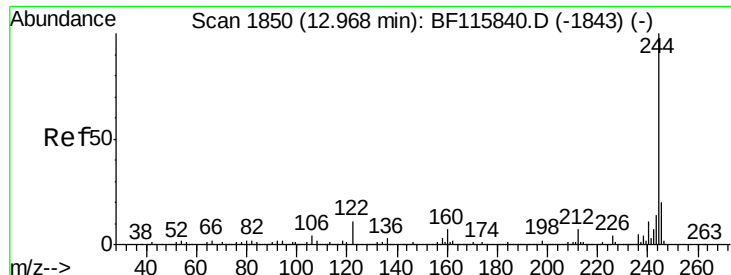
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#78
Pyrene
Concen: 12.886 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.04 min
Lab File: BF116375.D
Acq: 18 Aug 2019 3:39

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	230930		
200	21.2	18.0	27.0	
203	17.6	14.1	21.1	





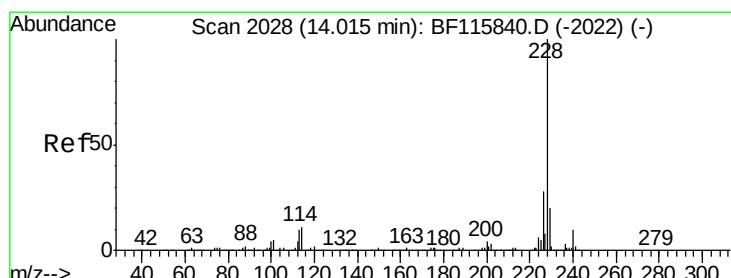
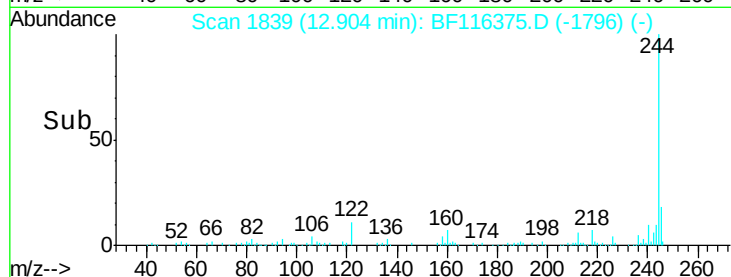
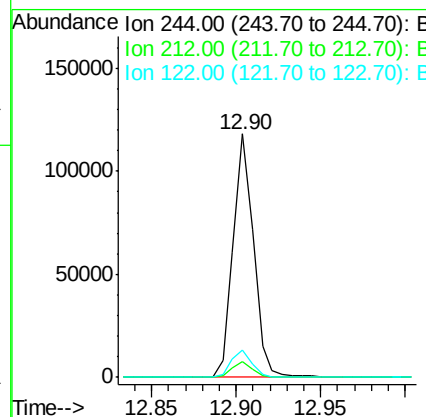
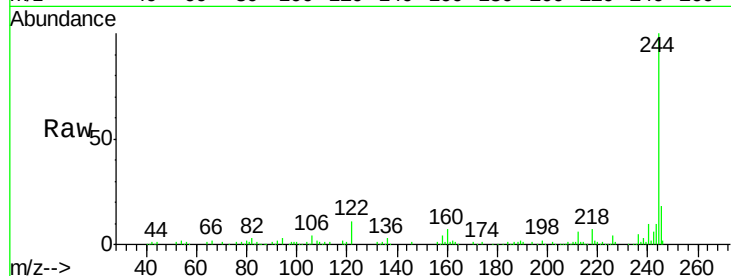
#79
 Terphenyl-d14
 Concen: 8.779 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.05 min
 Lab File: BF116375.D
 Acq: 18 Aug 2019 3:39

Instrument :
 BNA_F
 ClientSampleId :
 B4(3-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.8
122	11.5	9.0	13.4

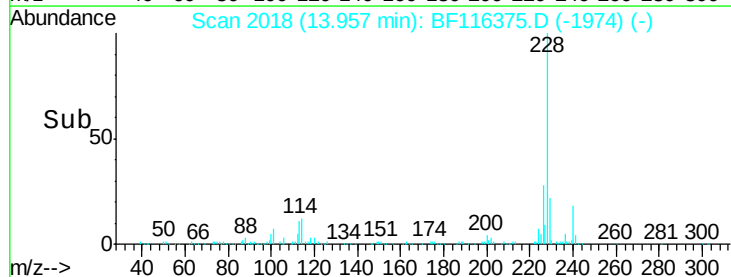
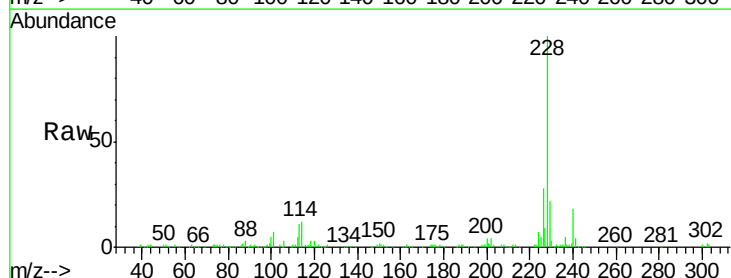
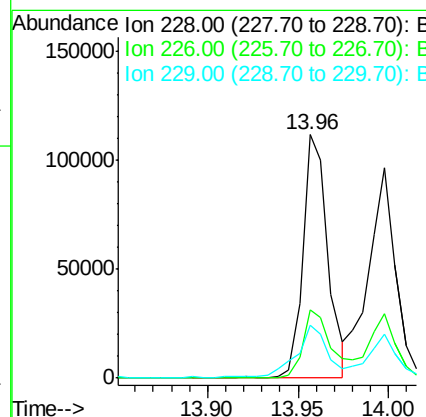
Manual Integrations
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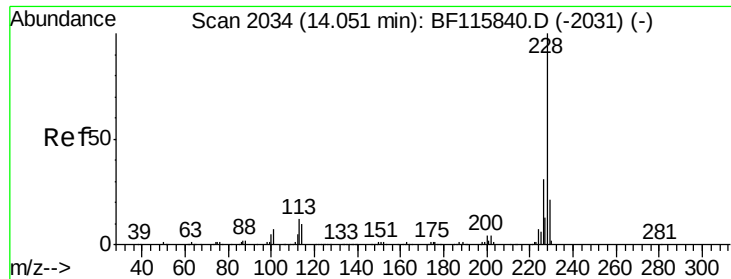
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#81
 Benzo(a)anthracene
 Concen: 7.181 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.04 min
 Lab File: BF116375.D
 Acq: 18 Aug 2019 3:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.7	34.1
229	22.0	16.2	24.4





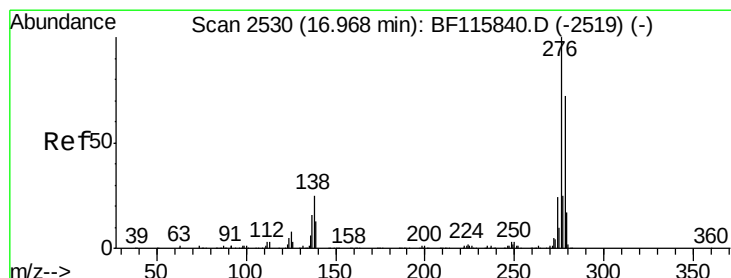
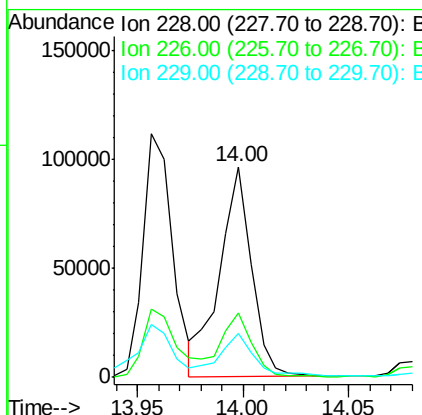
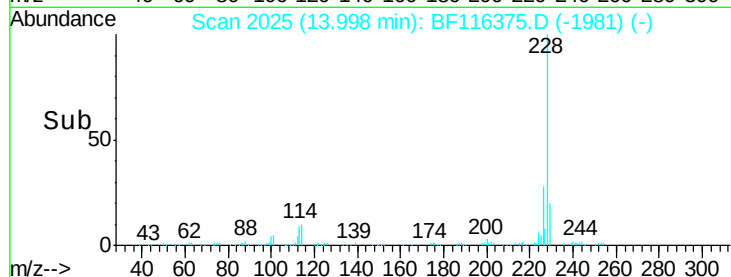
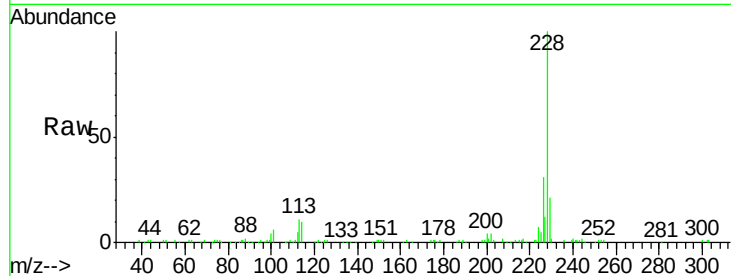
#83
Chrysene
Concen: 6.812 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.04 min
Lab File: BF116375.D
Acq: 18 Aug 2019 3:39

Instrument :
BNA_F
ClientSampled :
B4(3-4)

Tot Ion:	228	Resp:	100496
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.5	38.3
229	20.6	16.6	24.8

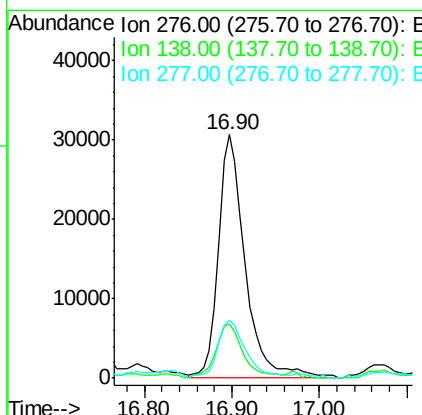
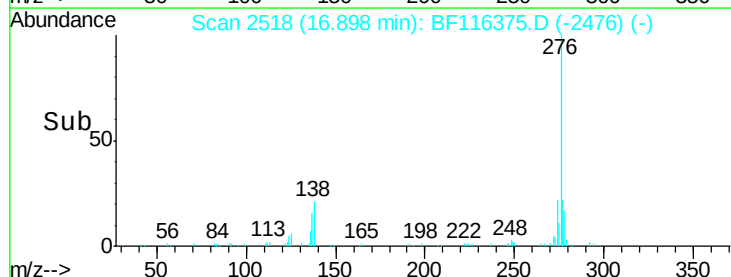
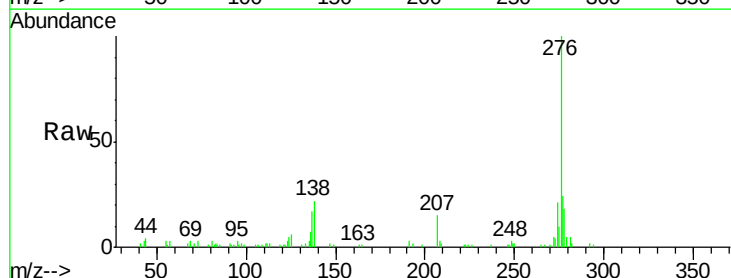
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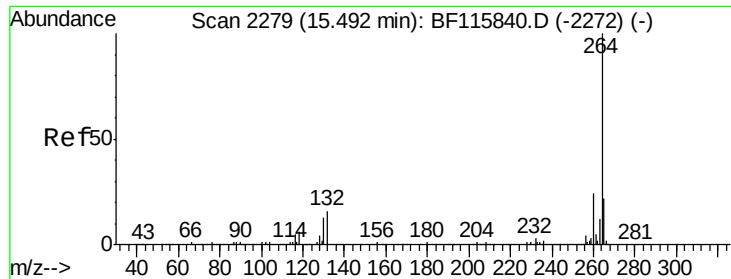
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.245 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.05 min
Lab File: BF116375.D
Acq: 18 Aug 2019 3:39

Tgt Ion:	276	Resp:	64984
Ion Ratio	Lower	Upper	
276	100		
138	23.0	20.4	30.6
277	24.6	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.05 min

Lab File: BF116375.D

Acq: 18 Aug 2019 3:39

Instrument :

BNA_F

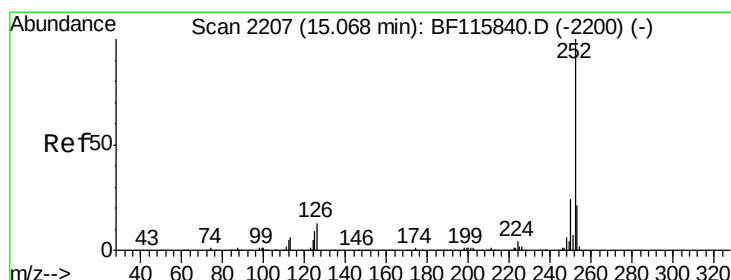
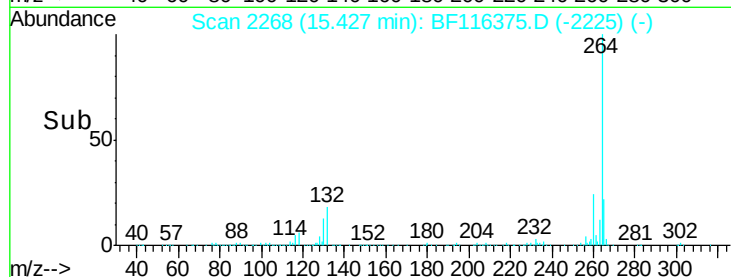
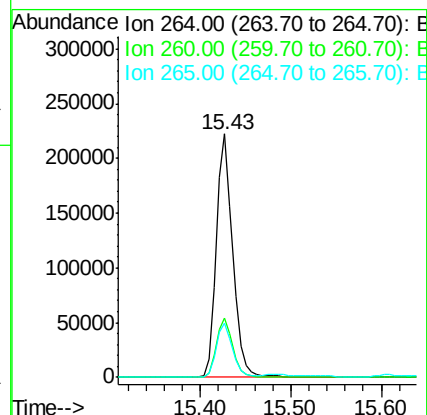
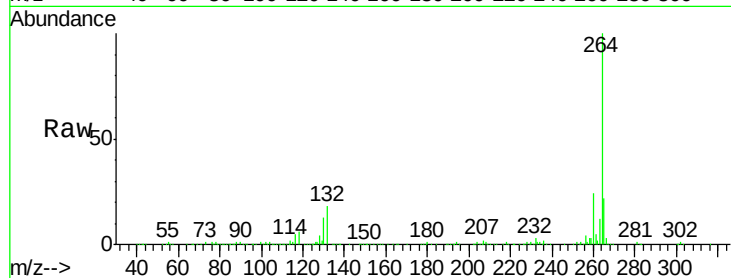
ClientSampled :

B4(3-4)

Tot Ion:	264	Resp:	280800
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.7	29.5
265	22.2	17.4	26.0

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#88

Benzo(b)fluoranthene

Concen: 8.332 ng m

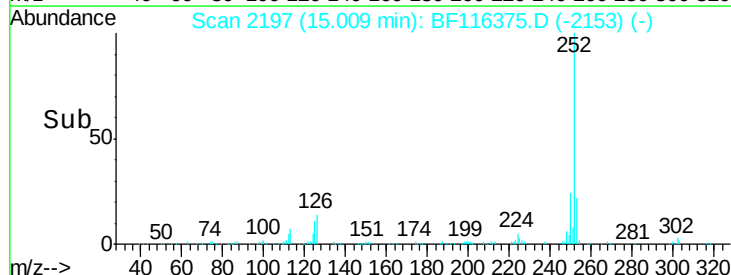
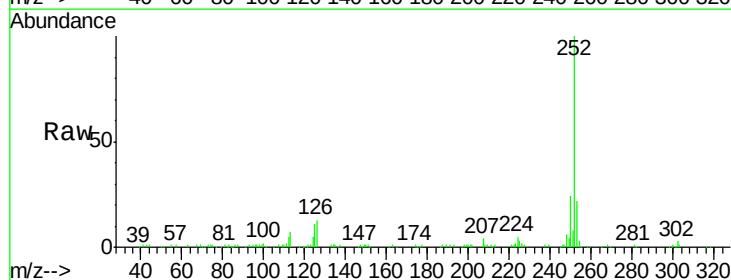
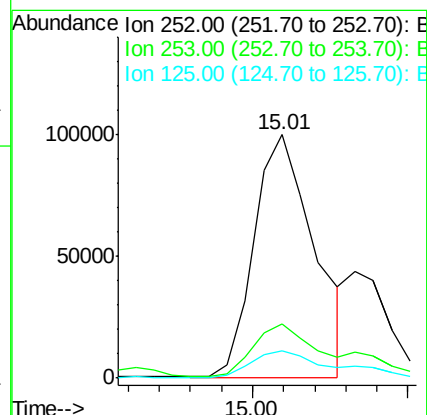
RT: 15.01 min Scan# 2197

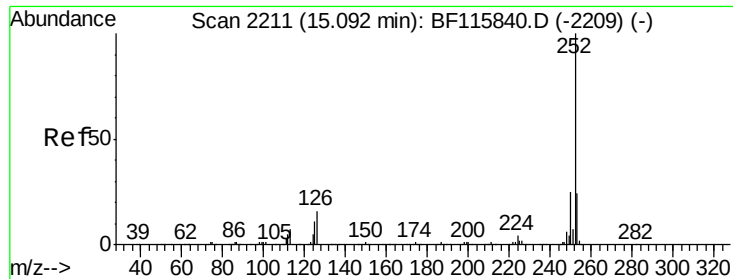
Delta R.T. -0.04 min

Lab File: BF116375.D

Acq: 18 Aug 2019 3:39

Tgt Ion:	252	Resp:	135278
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.8	26.8
125	11.2	8.4	12.6





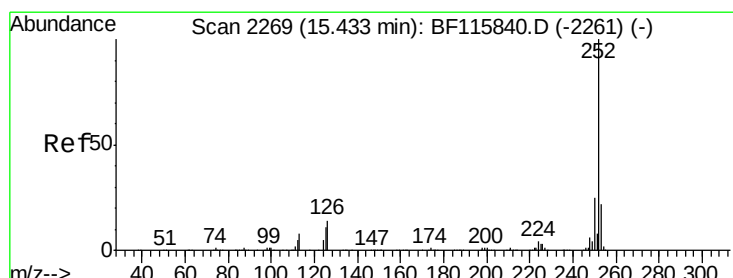
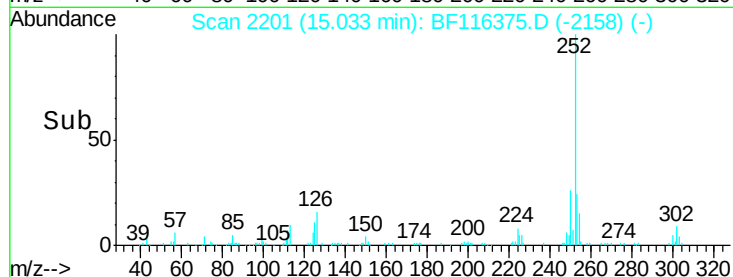
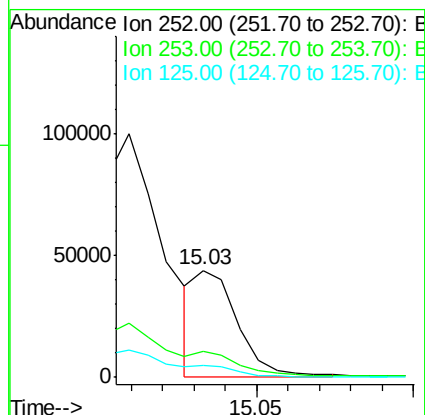
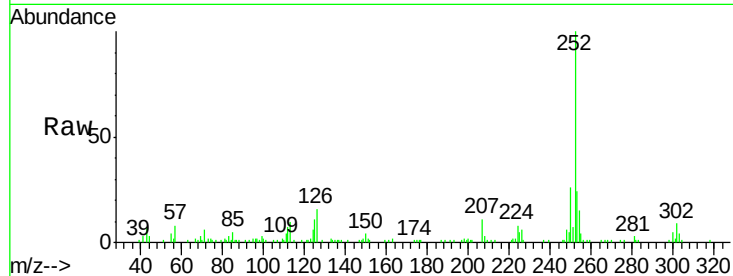
#89
Benzo(k)fluoranthene
Concen: 2.613 ng/mL
RT: 15.03 min Scan# 2201
Delta R.T. -0.05 min
Lab File: BF116375.D
Acq: 18 Aug 2019 3:39

Instrument :
BNA_F
ClientSampled :
B4(3-4)

Tot Ion:	252	Resp:	41327
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.8
125	11.2	7.7	11.5

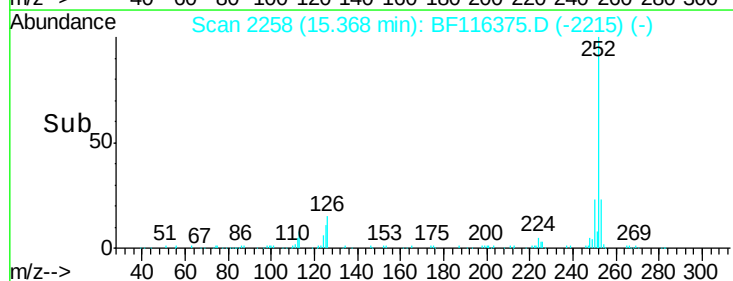
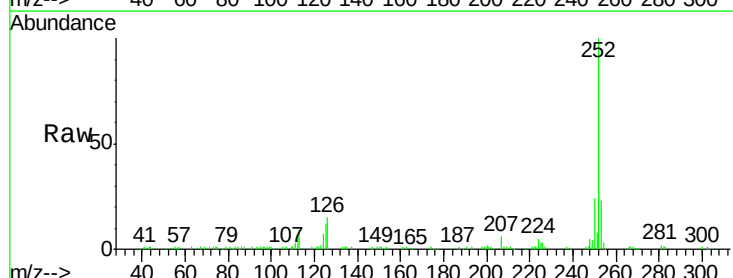
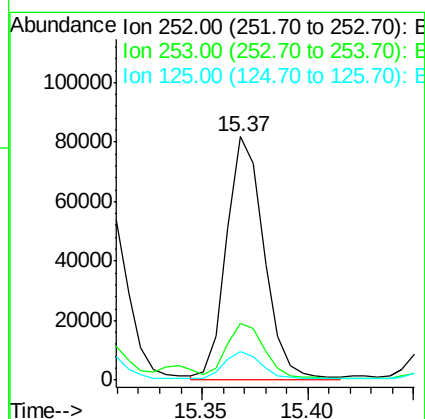
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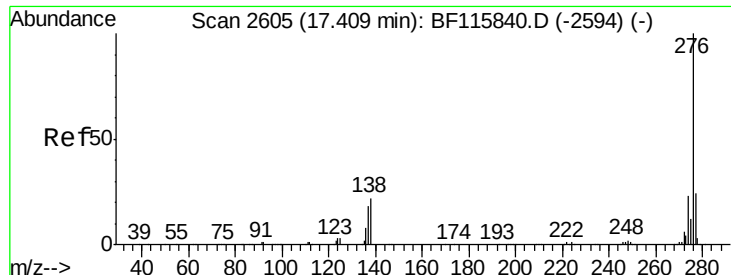
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#90
Benzo(a)pyrene
Concen: 6.885 ng/mL
RT: 15.37 min Scan# 2258
Delta R.T. -0.05 min
Lab File: BF116375.D
Acq: 18 Aug 2019 3:39

Tgt Ion:	252	Resp:	99923
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.0	27.0
125	11.9	8.9	13.3





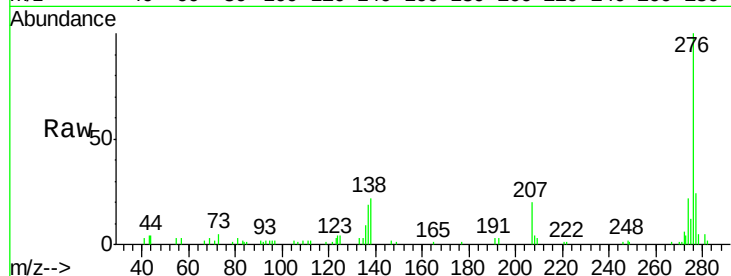
#92
 Benzo(a,h,i)perylene
 Concen: 4.906 ng
 RT: 17.34 min Scan# 2593
 Delta R.T. -0.05 min
 Lab File: BF116375.D
 Acq: 18 Aug 2019 3:39

Instrument :
 BNA_F
 ClientSampleId :
 B4(3-4)

Tot Ion:	276	Resp:	60533
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.4	27.6
138	22.2	17.0	25.6

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

