

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113938.D
 Acq On : 23 Apr 2019 23:12
 Operator : JU/SJ
 Sample : K2204-03 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042219

Manual Integrations
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 4/25/2019 6:02:26 PM

Quant Time: Apr 25 08:13:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	125284	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	428339	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	185691	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	353640	20.00	ng	0.00
76) Chrysene-d12	14.05	240	382614	20.00	ng	-0.02
87) Perylene-d12	15.53	264	310302	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	451961	61.70	ng	0.00
7) Phenol-d6	6.52	99	570198	62.04	ng	0.00
23) Nitrobenzene-d5	7.45	82	320102	46.14	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	134271	59.36	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	609020	51.30	ng	0.00
79) Terphenyl-d14	13.00	244	724808	38.84	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.64	163	77317	5.757	ng	100
71) Phenanthrene	11.44	178	93289	5.249	ng	96
75) Fluoranthene	12.63	202	208673	10.762	ng	98
78) Pyrene	12.86	202	205656	7.686	ng	97
81) Benzo(a)anthracene	14.04	228	113253	5.024	ng	97
83) Chrysene	14.08	228	116040	5.285	ng	97
86) Indeno(1,2,3-cd)pyrene	17.02	276	41807	2.010	ng	96
88) Benzo(b)fluoranthene	15.10	252	128856m	6.563	ng	
89) Benzo(k)fluoranthene	15.13	252	33794m	2.001	ng	
90) Benzo(a)pyrene	15.47	252	77354	4.555	ng	98
92) Benzo(g,h,i)perylene	17.47	276	38675	2.404	ng	# 93

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

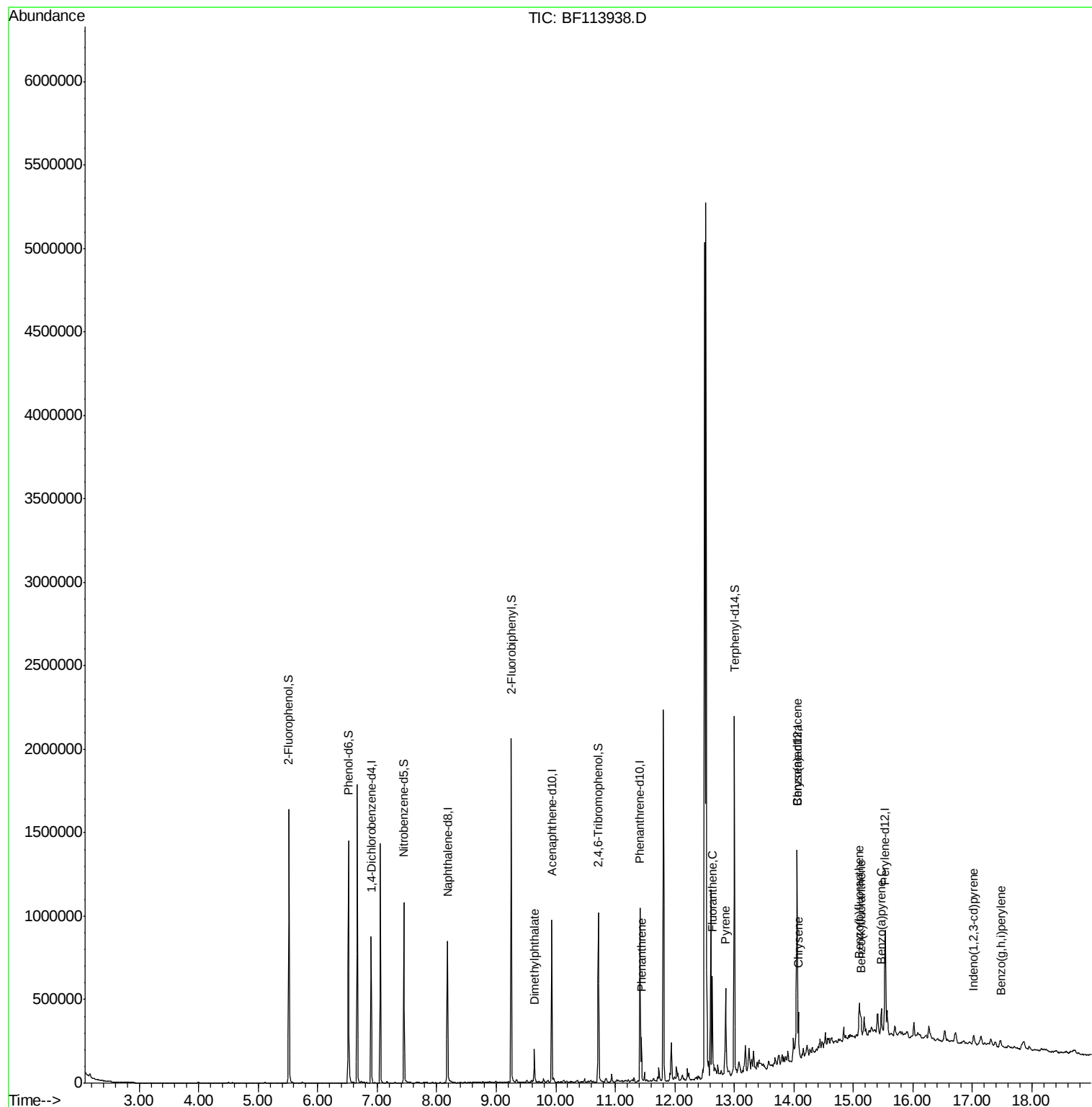
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
Data File : BF113938.D
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Sample : K2204-03 2X
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ALS Vial : 24 Sample Multiplier: 1

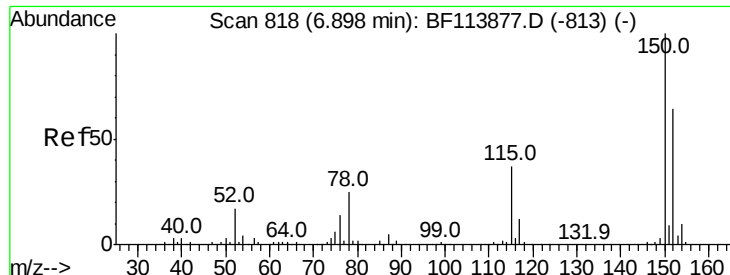
Instrument :
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ClientSampleId :
TR-05-042219

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
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#1

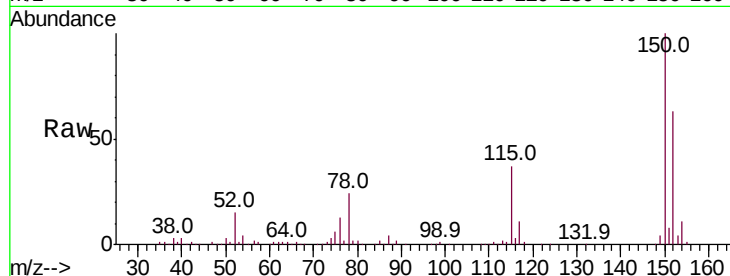
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Instrument :
BNA_F
ClientSampleId :
TR-05-042219

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.9	188.9
115	58.0	45.9	68.9

Manual Integrations
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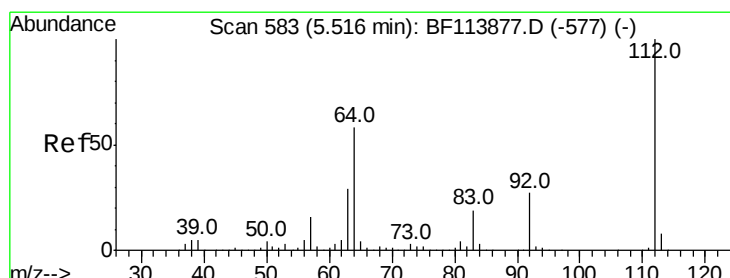
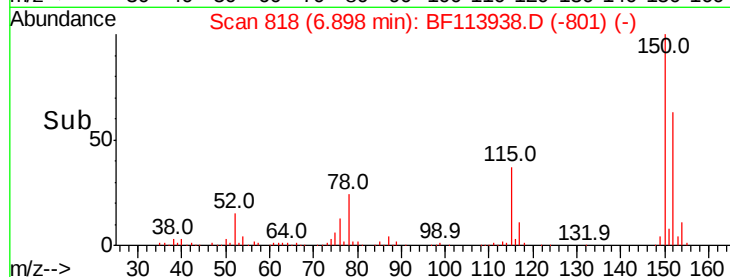
Abundance

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

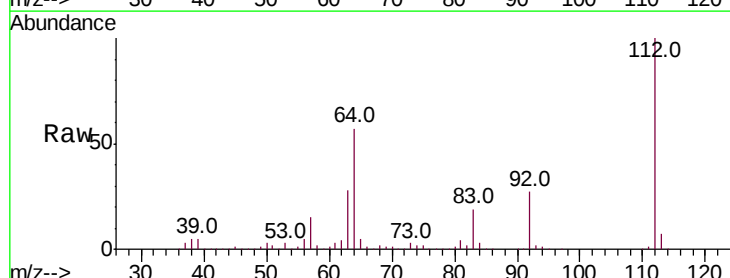
Time-->



#5

2-Fluorophenol
Concen: 61.701 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	46.6	69.8
63	28.0	23.1	34.7



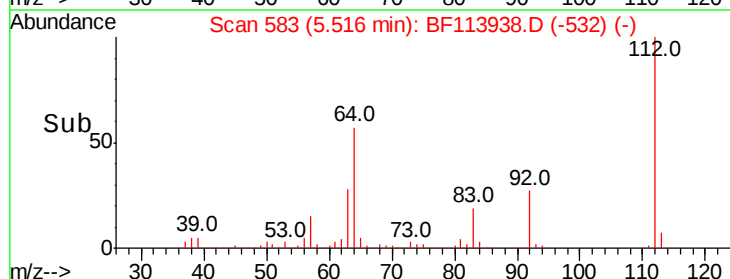
Abundance

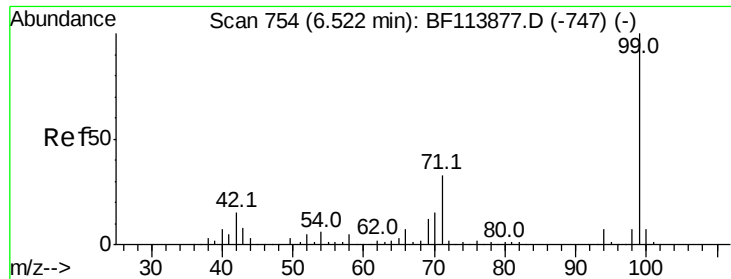
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 62.045 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF113938.D

Acq: 23 Apr 2019 23:12

Instrument :

BNA_F

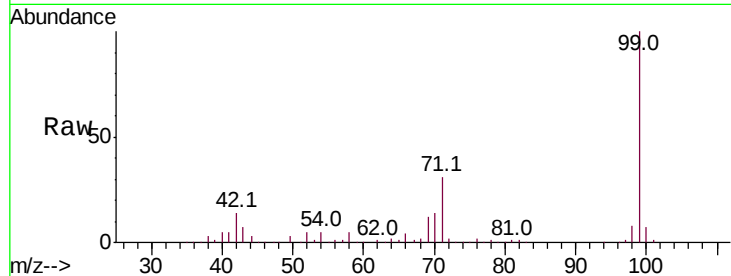
ClientSampleId :

TR-05-042219

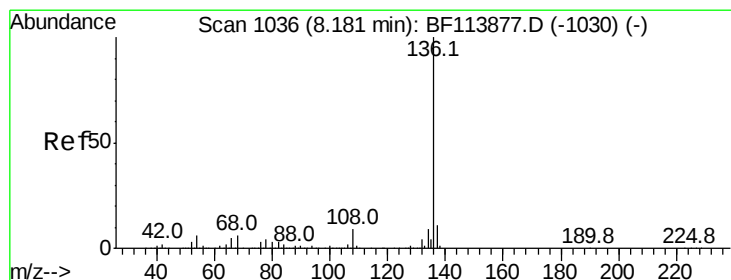
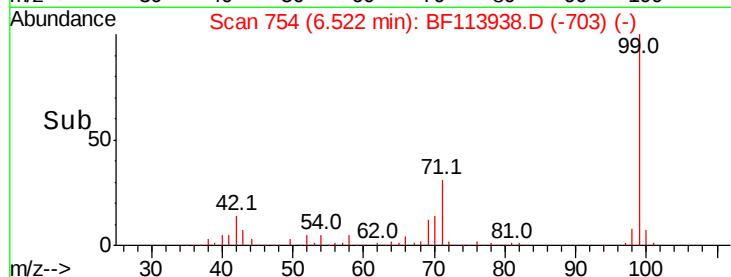
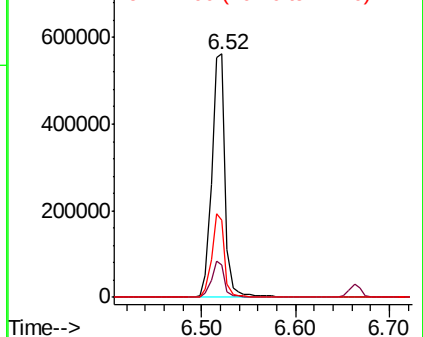
Tot Ion	Ratio	Lower	Upper
99	100		
42	13.6	12.5	18.7
71	31.5	26.9	40.3

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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: 8.18 min Scan# 1036

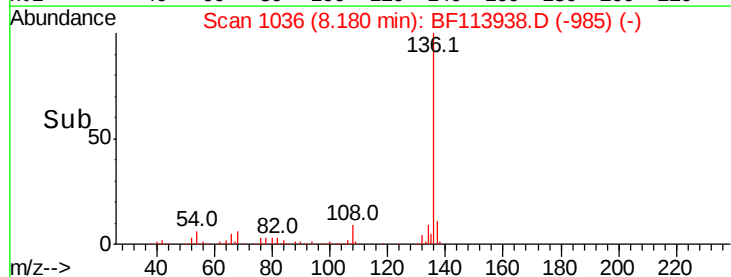
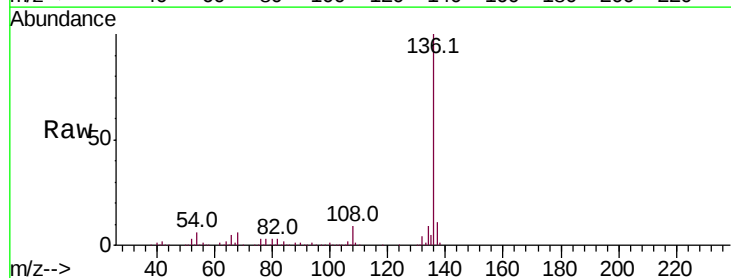
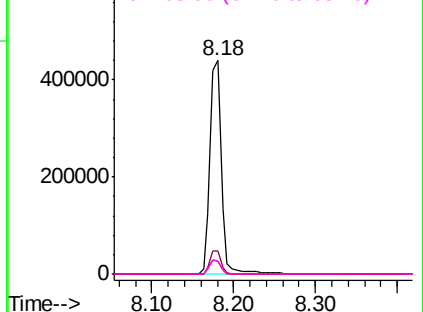
Delta R.T. -0.00 min

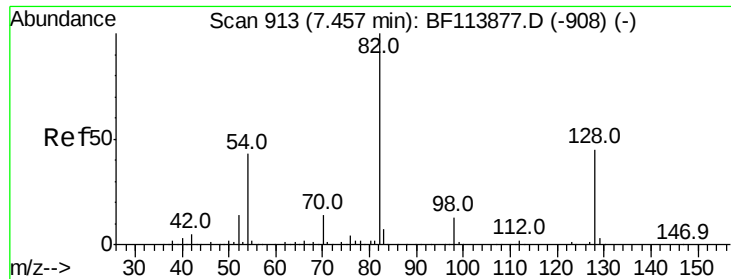
Lab File: BF113938.D

Acq: 23 Apr 2019 23:12

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	5.7	5.0	7.6
68	5.8	4.9	7.3

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





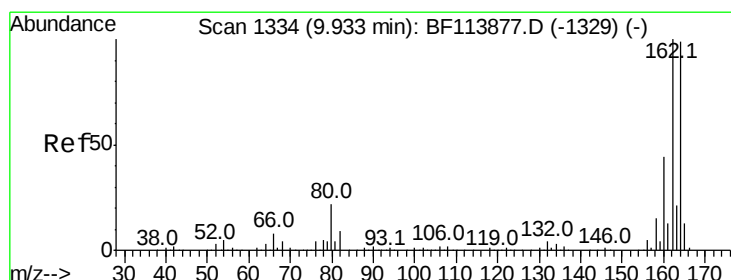
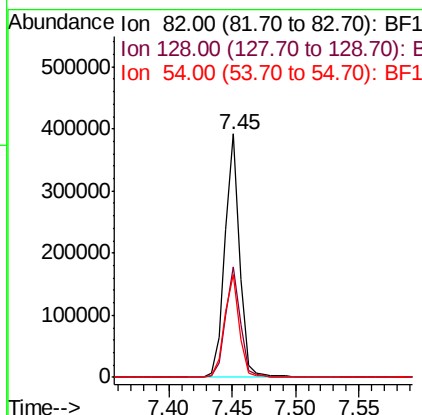
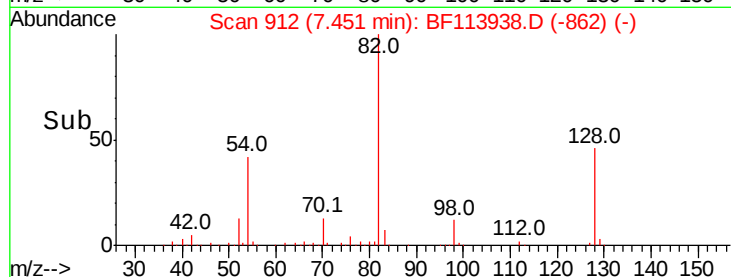
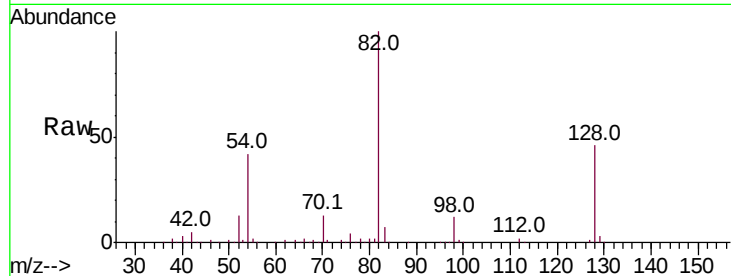
#23
 Nitrobenzene-d5
 Concen: 46.142 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF113938.D
 Acq: 23 Apr 2019 23:12

Instrument :
 BNA_F
 ClientSampled :
 TR-05-042219

Tot Ion	82	Resp	320102
Ion Ratio	Lower	Upper	
82	100		
128	45.6	36.8	55.2
54	42.1	33.8	50.6

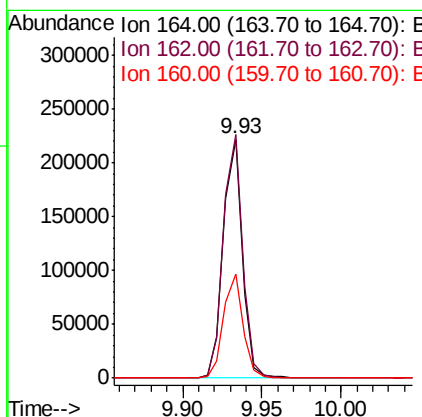
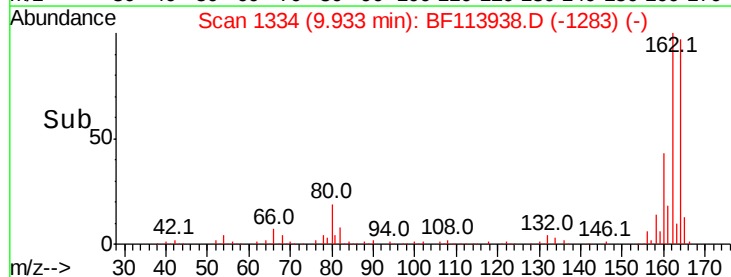
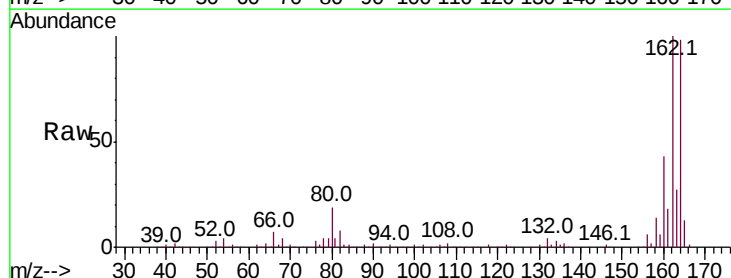
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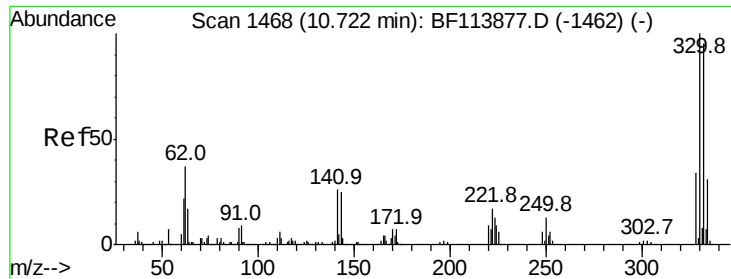
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF113938.D
 Acq: 23 Apr 2019 23:12

Tgt Ion	164	Resp	185691
Ion Ratio	Lower	Upper	
164	100		
162	101.9	81.1	121.7
160	43.8	35.8	53.6





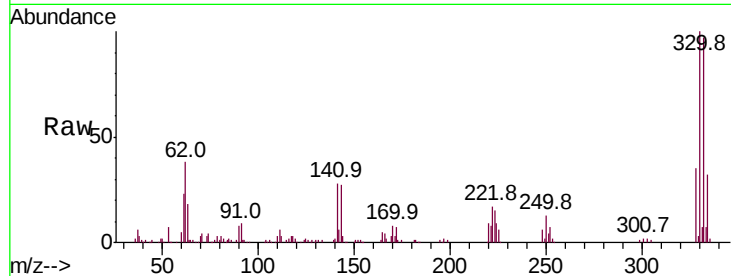
#42
 2,4,6-Tribromophenol
 Concen: 59.357 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF113938.D
 Acq: 23 Apr 2019 23:12

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042219

Tot Ion	Ratio	Resp	Lower	Upper
330	100	134271		
332	97.2	77.5	116.3	
141	26.8	22.2	33.2	

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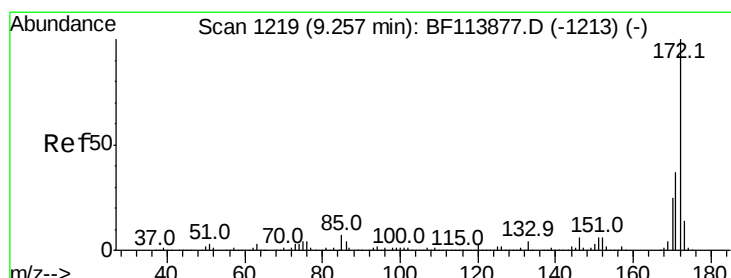
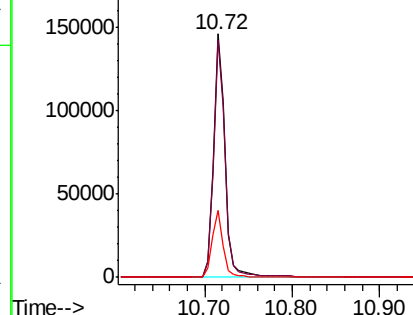
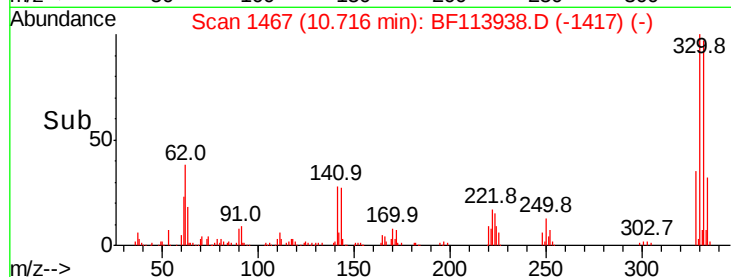


Abundance

Ion 329.80 (329.50 to 330.50): E

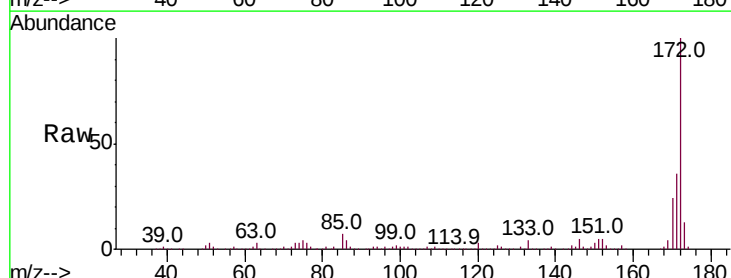
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 51.296 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF113938.D
 Acq: 23 Apr 2019 23:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	609020		
171	35.5	29.4	44.0	
170	23.7	19.9	29.9	

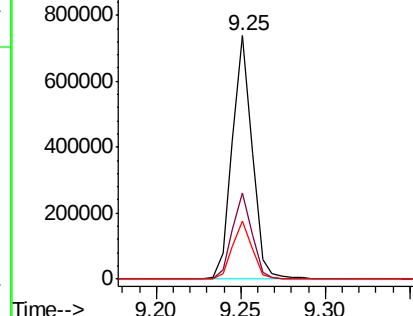
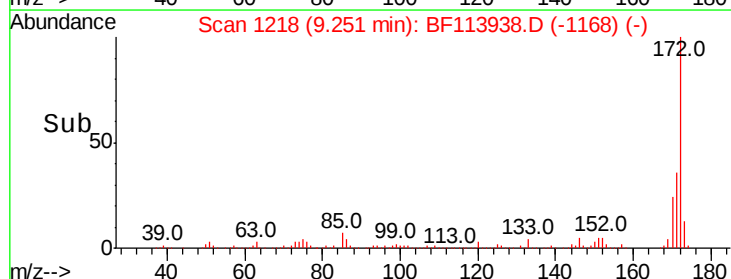


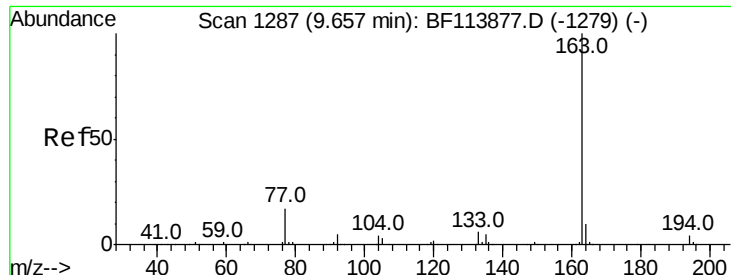
Abundance

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: 5.757 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113938.D

Acq: 23 Apr 2019 23:12

Instrument :

BNA_F

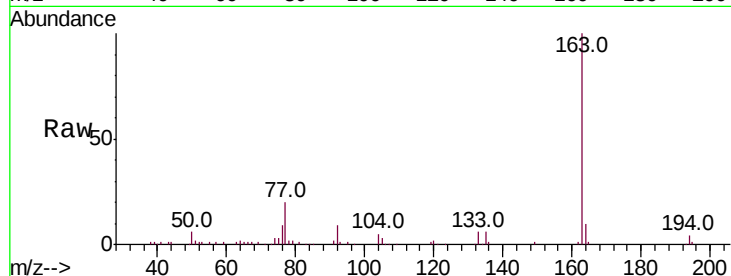
ClientSampleId :

TR-05-042219

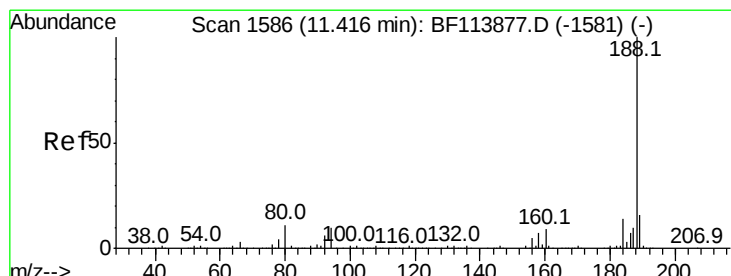
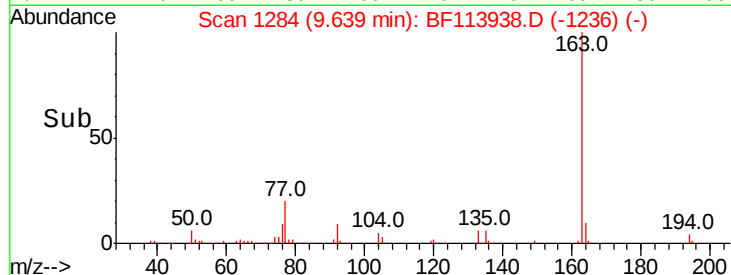
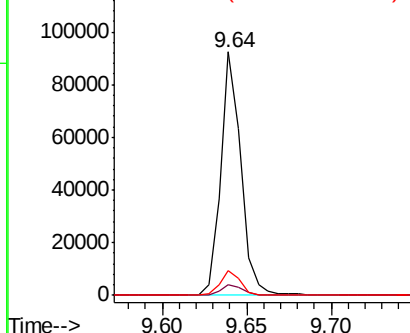
Tot Ion:	163	Resp:	77317
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.4	5.2
164	10.4	8.5	12.7

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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

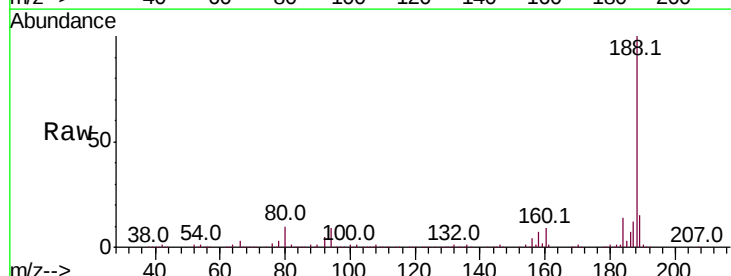
RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

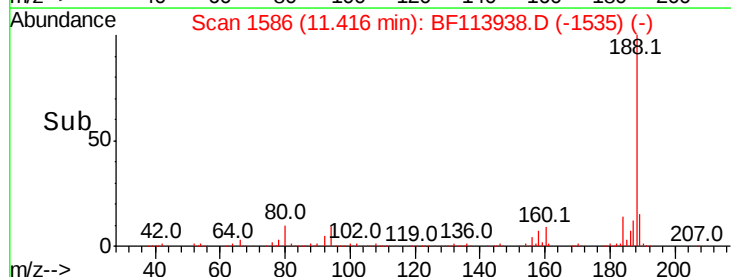
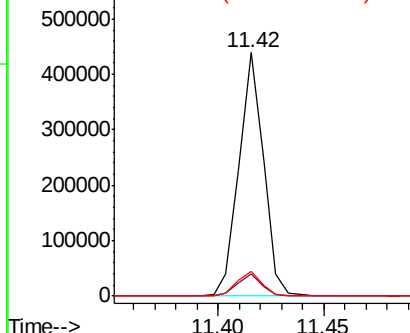
Lab File: BF113938.D

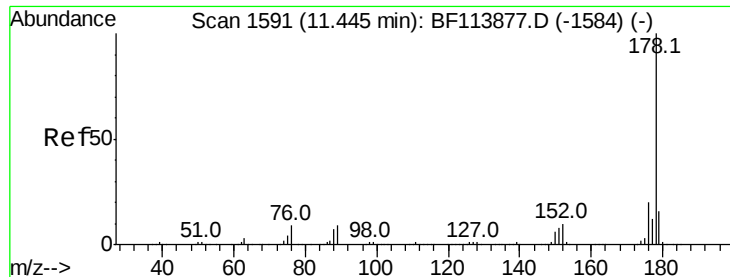
Acq: 23 Apr 2019 23:12

Tgt Ion:	188	Resp:	353640
Ion Ratio	Lower	Upper	
188	100		
94	9.2	8.2	12.4
80	9.9	9.0	13.6



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: 5.249 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF113938.D

Acq: 23 Apr 2019 23:12

Instrument :

BNA_F

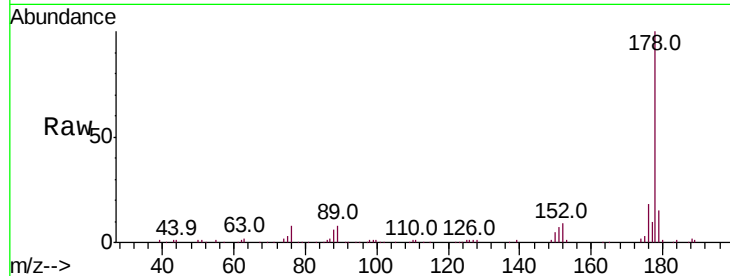
ClientSampleId :

TR-05-042219

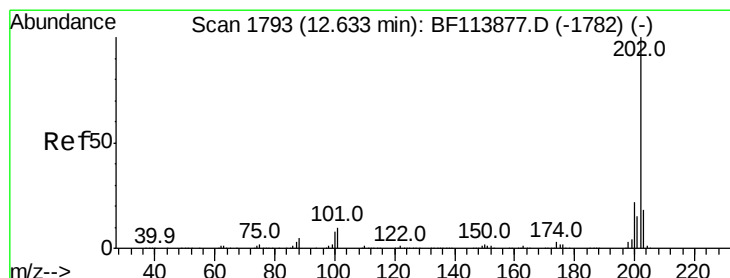
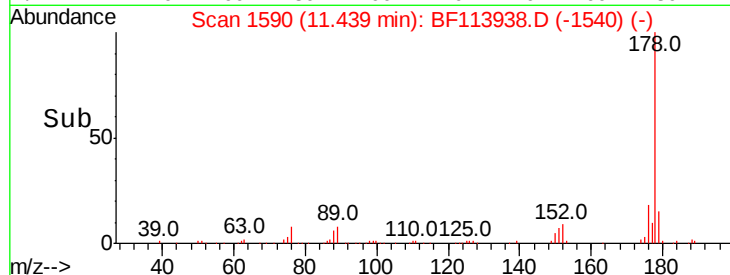
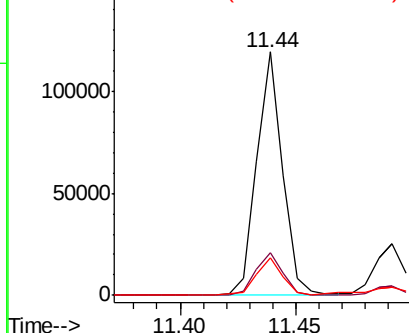
Tot Ion:	178	Resp:	93289
Ion Ratio	Lower	Upper	
178	100		
176	17.6	16.1	24.1
179	15.4	12.8	19.2

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



#75

Fluoranthene

Concen: 10.762 ng

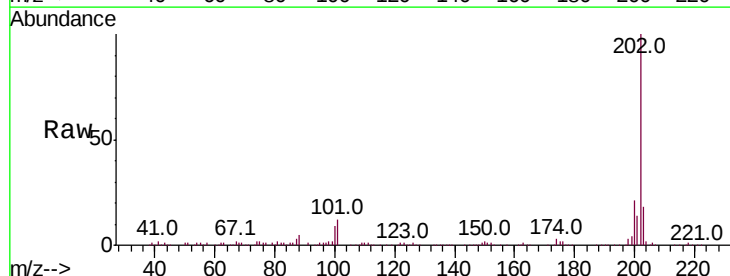
RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

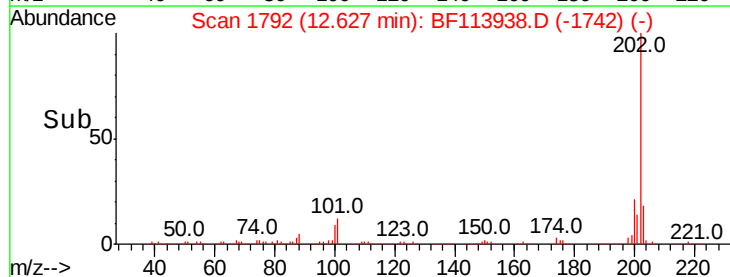
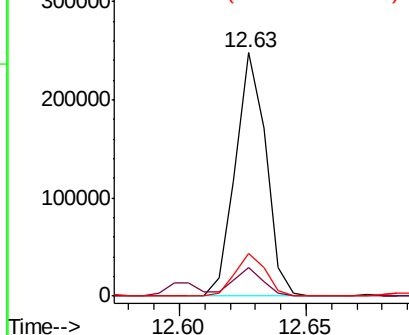
Lab File: BF113938.D

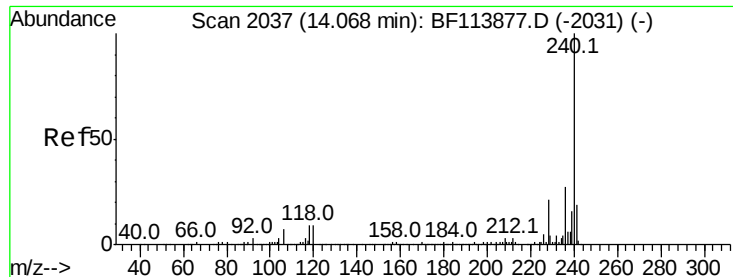
Acq: 23 Apr 2019 23:12

Tgt Ion:	202	Resp:	208673
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	32.9
203	17.8	0.0	38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





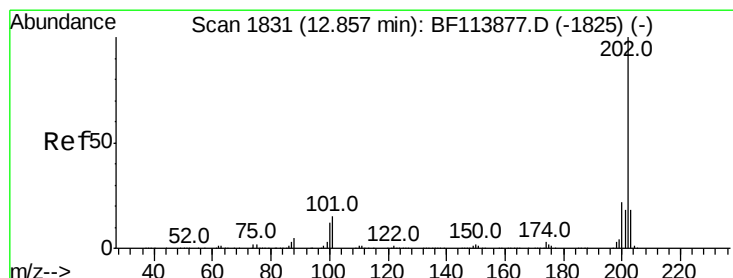
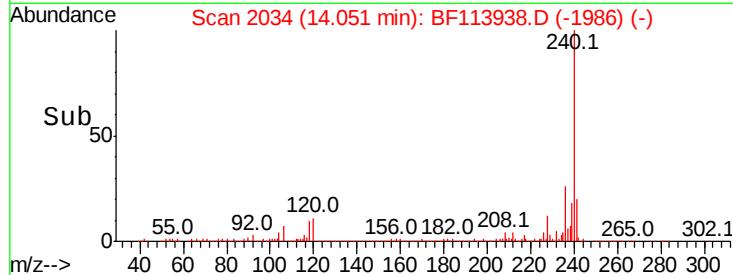
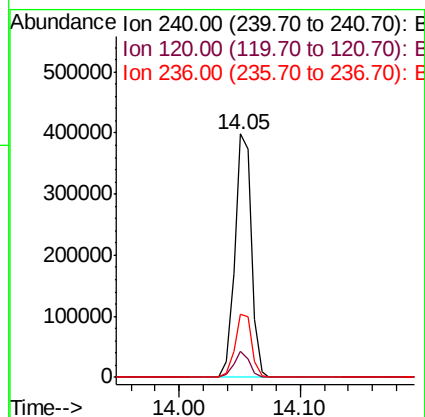
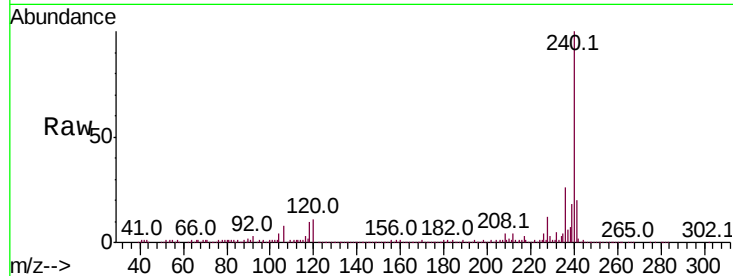
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF113938.D
 Acq: 23 Apr 2019 23:12

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042219

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.3	13.9
236	26.0	21.2	31.8

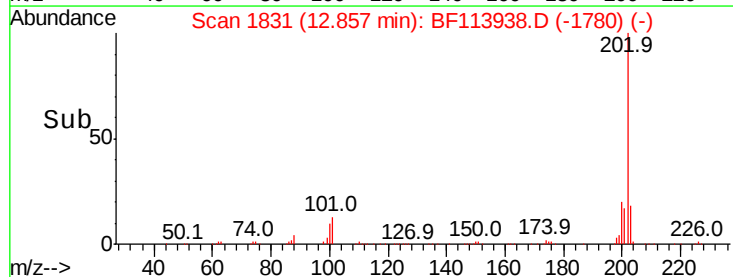
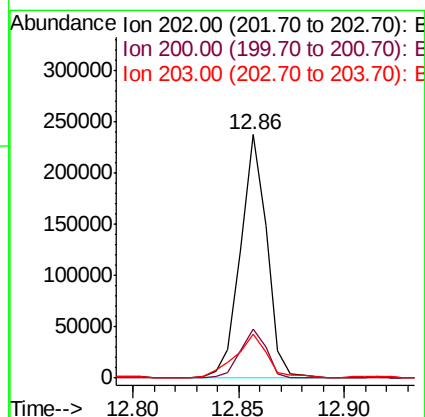
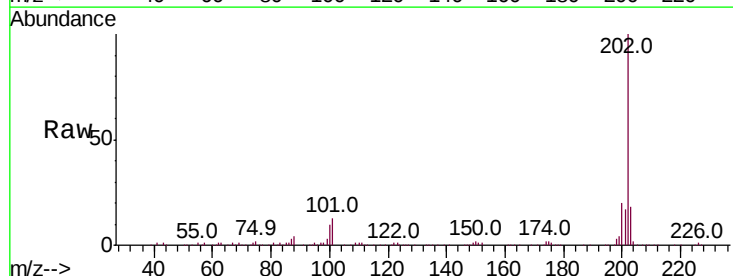
Manual Integrations
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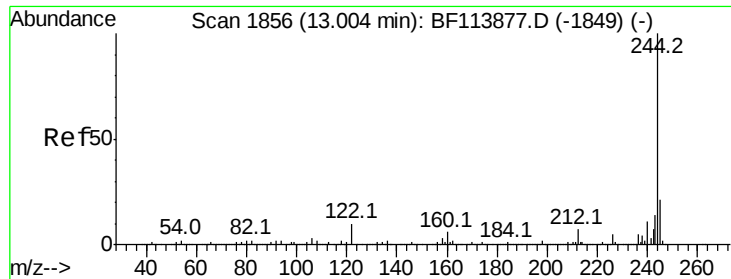
Sohil
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#78
 Pyrene
 Concen: 7.686 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: BF113938.D
 Acq: 23 Apr 2019 23:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.7	26.5
203	17.9	15.0	22.6





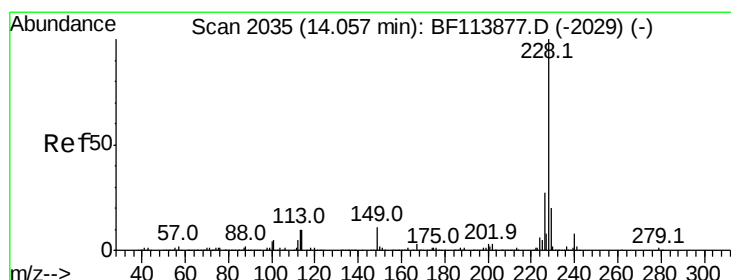
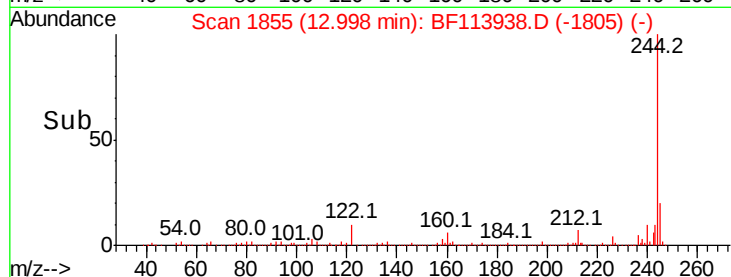
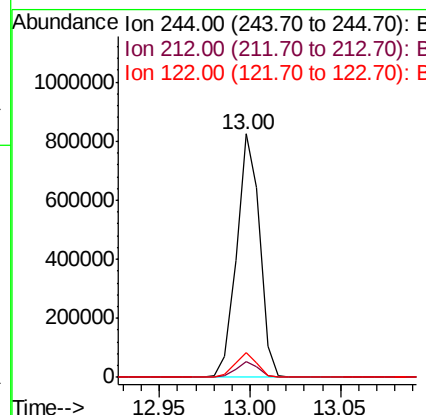
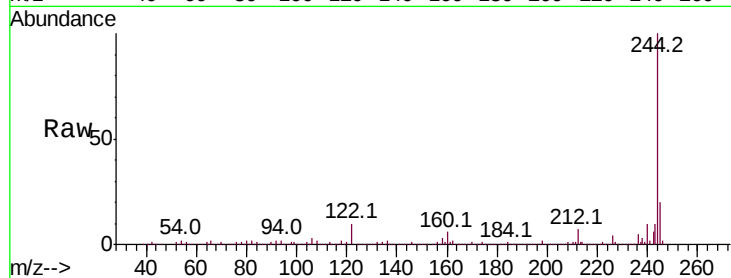
#79
 Terphenyl-d14
 Concen: 38.837 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.01 min
 Lab File: BF113938.D
 Acq: 23 Apr 2019 23:12

Instrument :
 BNA_F
 ClientSampled :
 TR-05-042219

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	10.4	7.6	11.4

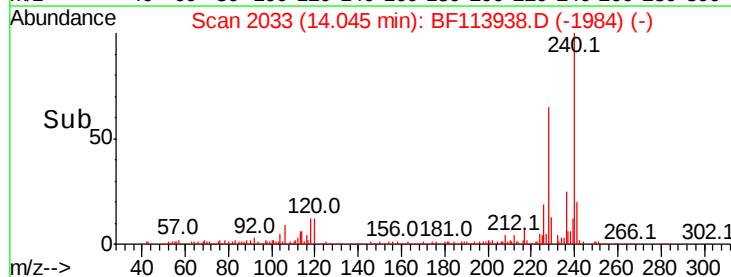
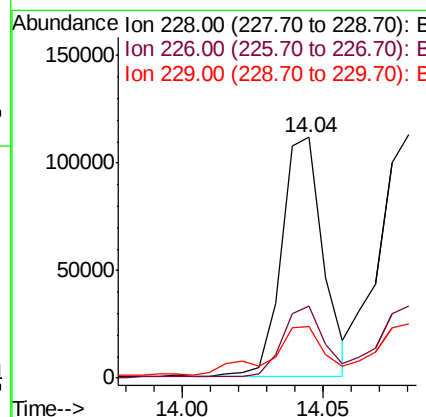
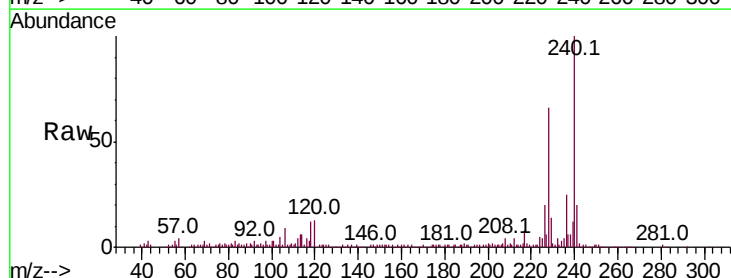
Manual Integrations
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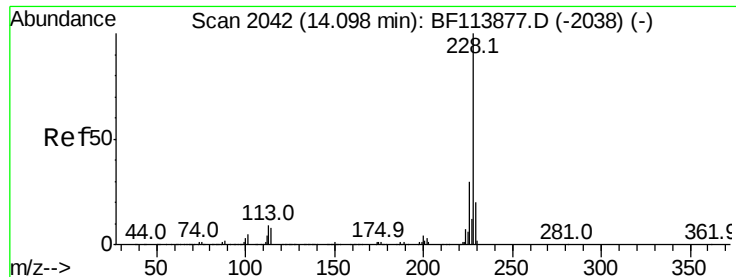
Sohil
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#81
 Benzo(a)anthracene
 Concen: 5.024 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF113938.D
 Acq: 23 Apr 2019 23:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.2	33.2
229	21.2	16.0	24.0





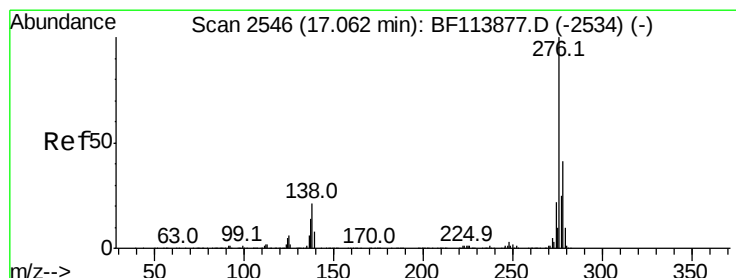
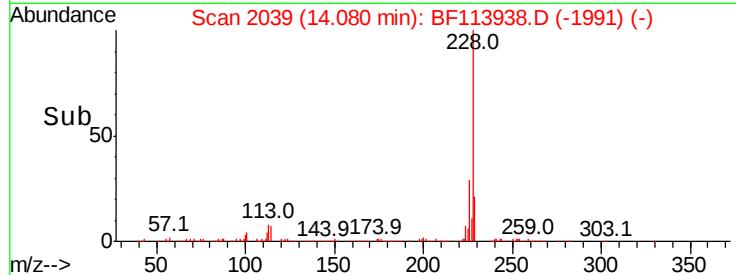
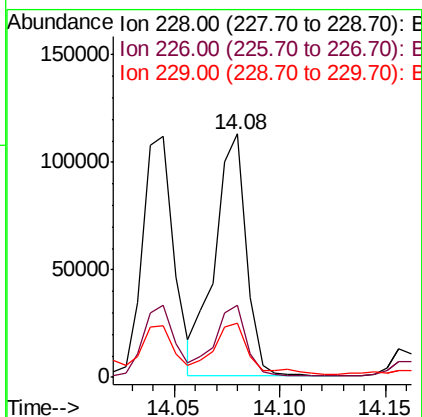
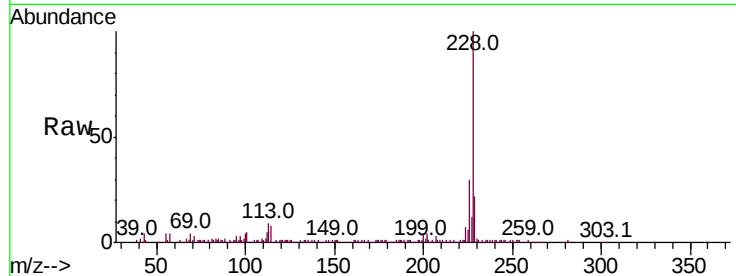
#83
Chrysene
Concen: 5.285 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.02 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Instrument :
BNA_F
ClientSampleId :
TR-05-042219

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.2	37.8
229	22.1	16.7	25.1

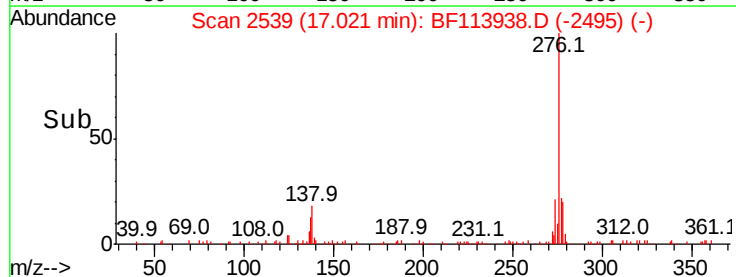
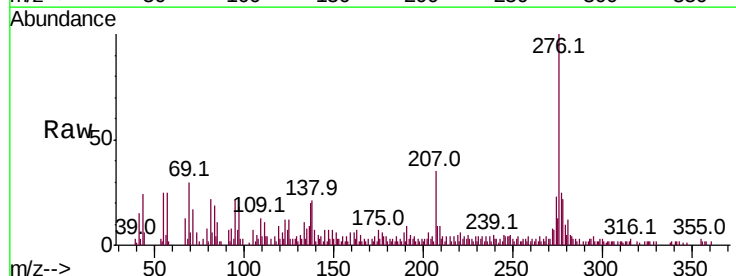
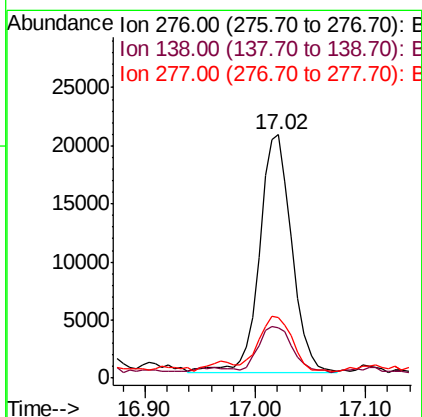
Manual Integrations
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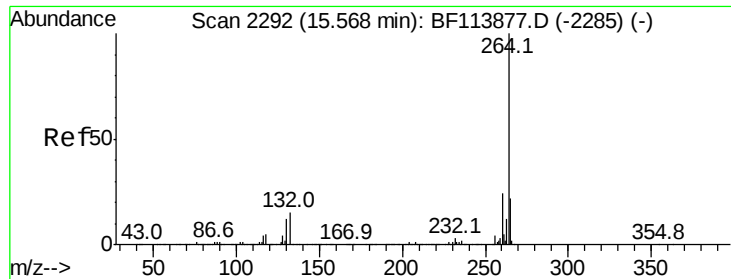
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.010 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.04 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	19.6	29.4
277	24.8	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. -0.04 min

Lab File: BF113938.D

Acq: 23 Apr 2019 23:12

Instrument :

BNA_F

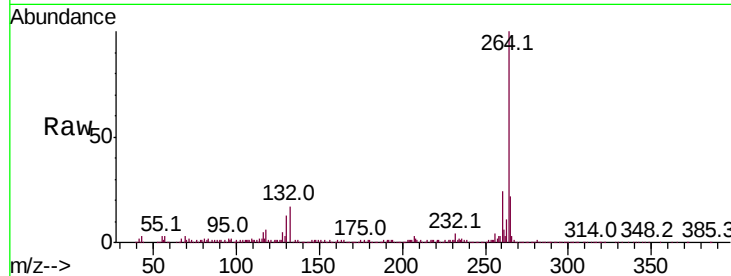
ClientSampleId :

TR-05-042219

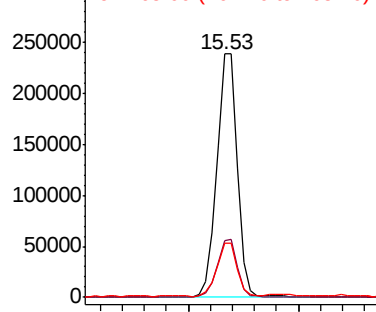
Tot Ion:	264	Resp:	310302
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.9	28.3
265	22.3	17.3	25.9

Manual Integrations
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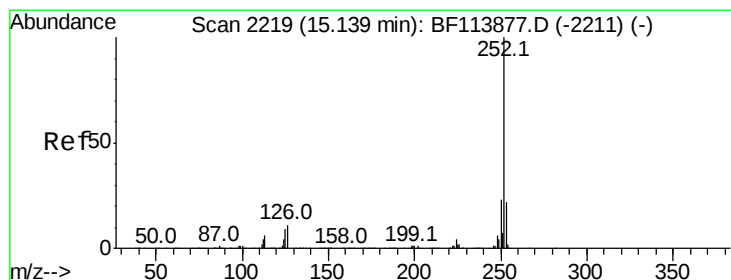
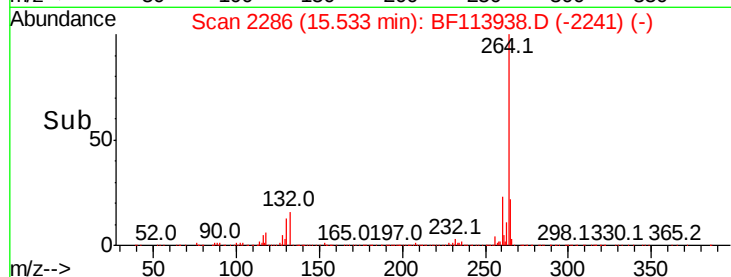
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->



#88

Benzo(b)fluoranthene

Concen: 6.563 ng m

RT: 15.10 min Scan# 2212

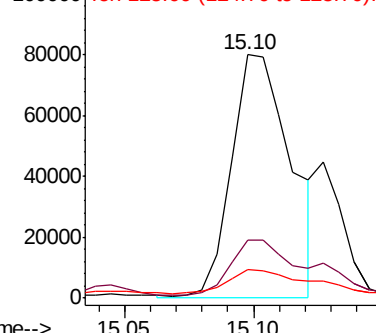
Delta R.T. -0.04 min

Lab File: BF113938.D

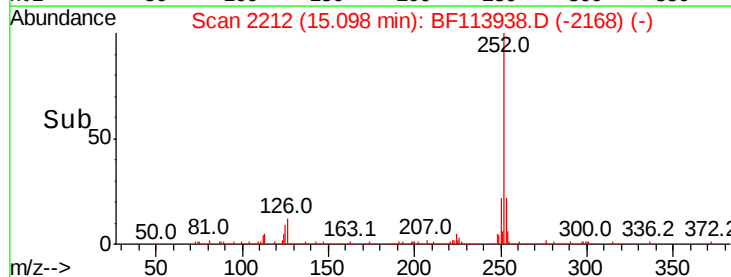
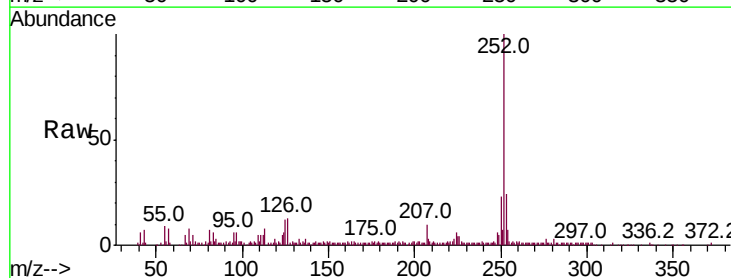
Acq: 23 Apr 2019 23:12

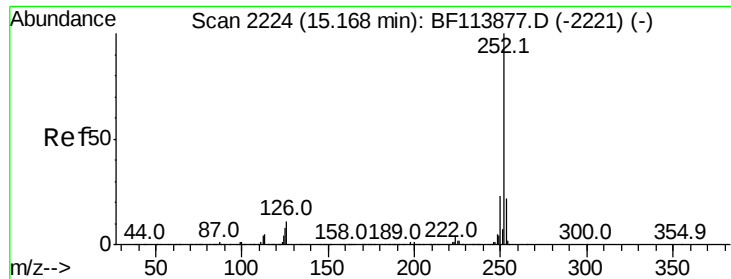
Tgt Ion:	252	Resp:	128856
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.6
125	12.0	7.0	10.6#

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



Time-->





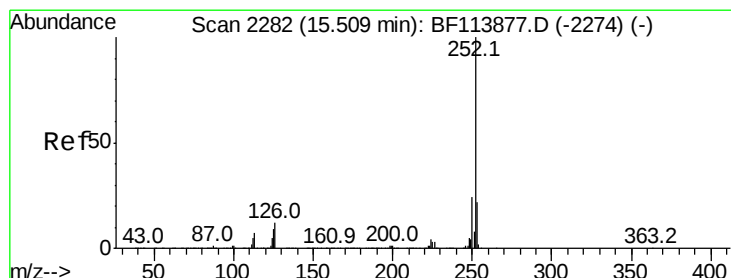
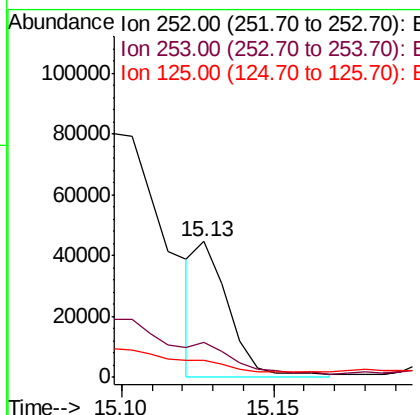
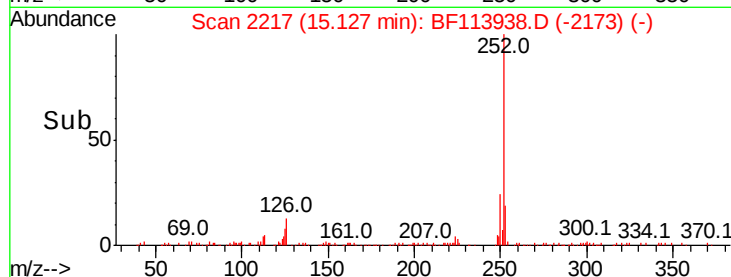
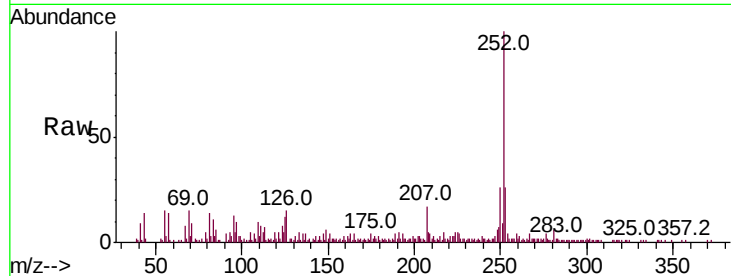
#89
Benzo(k)fluoranthene
Concen: 2.001 ng/mL
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Instrument :
BNA_F
Client Sample ID :
TR-05-042219

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.2	27.2
125	12.1	7.4	11.2

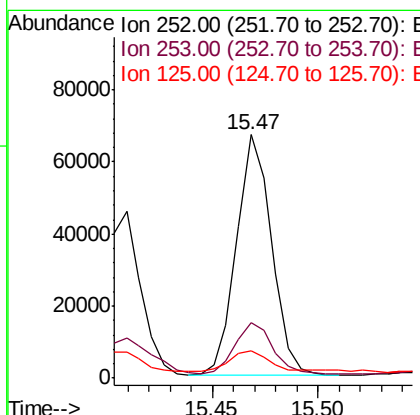
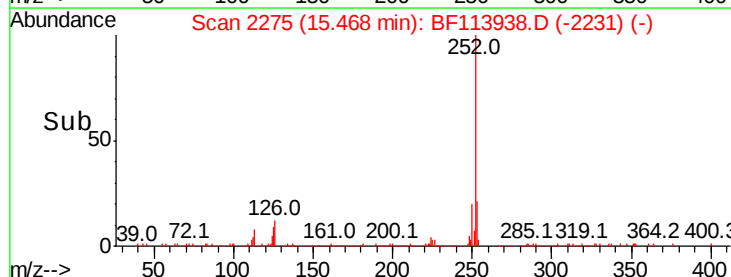
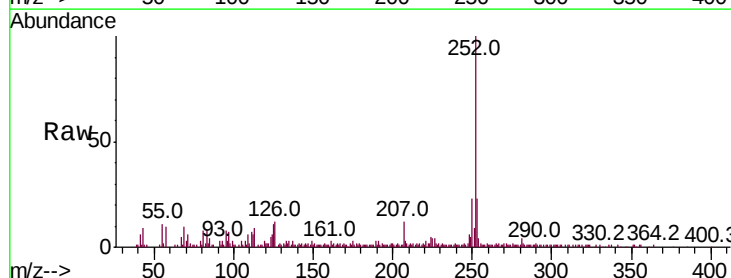
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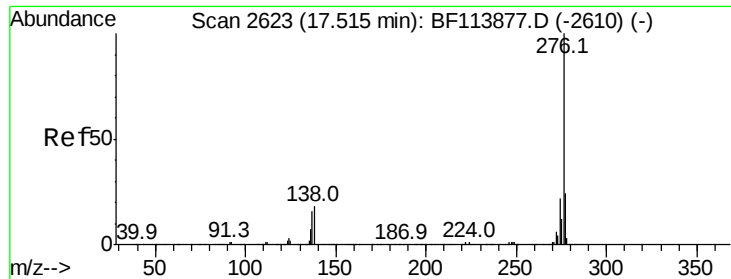
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#90
Benzo(a)pyrene
Concen: 4.555 ng/mL
RT: 15.47 min Scan# 2275
Delta R.T. -0.04 min
Lab File: BF113938.D
Acq: 23 Apr 2019 23:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	11.3	8.5	12.7





#92
 Benzo(a,h,i)perylene
 Concen: 2.404 ng
 RT: 17.47 min Scan# 2615
 Delta R.T. -0.05 min
 Lab File: BF113938.D
 Acq: 23 Apr 2019 23:12

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042219

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.1	19.0	28.4#
138	21.5	16.6	25.0

Manual Integrations
 APPROVED

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