

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
 Data File : BF113043.D
 Acq On : 13 Mar 2019 22:13
 Operator : JU/SJ
 Sample : K1870-09 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

Manual Integrations
 APPROVED

Sohil
 3/14/2019 10:50:12 AM

Quant Time: Mar 14 02:38:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	198482	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	752564	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	368674	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	680965	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	566538	20.00	ng	0.00
87) Perylene-d12	15.27	264	526134	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	589053	46.17	ng	0.00
7) Phenol-d6	6.37	99	829022	51.72	ng	0.00
23) Nitrobenzene-d5	7.28	82	466803	37.12	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	247493	63.23	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	813051	30.58	ng	-0.01
79) Terphenyl-d14	12.82	244	776497	26.57	ng	0.00
Target Compounds						
10) Phenol	6.38	94	55187	2.951	ng	92
50) Dimethylphthalate	9.47	163	87819	3.231	ng	100
71) Phenanthrene	11.26	178	127973	3.777	ng	96
75) Fluoranthene	12.44	202	311719	8.587	ng	96
78) Pyrene	12.67	202	310391	6.499	ng	99
81) Benzo(a)anthracene	13.85	228	154190	3.927	ng	98
83) Chrysene	13.89	228	147376	3.832	ng	97
86) Indeno(1,2,3-cd)pyrene	16.62	276	67923	2.071	ng	94
88) Benzo(b)fluoranthene	14.87	252	209993m	6.170	ng	
90) Benzo(a)pyrene	15.20	252	140153	4.656	ng	97
92) Benzo(a,h,i)perylene	17.03	276	68955	2.673	ng	98

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

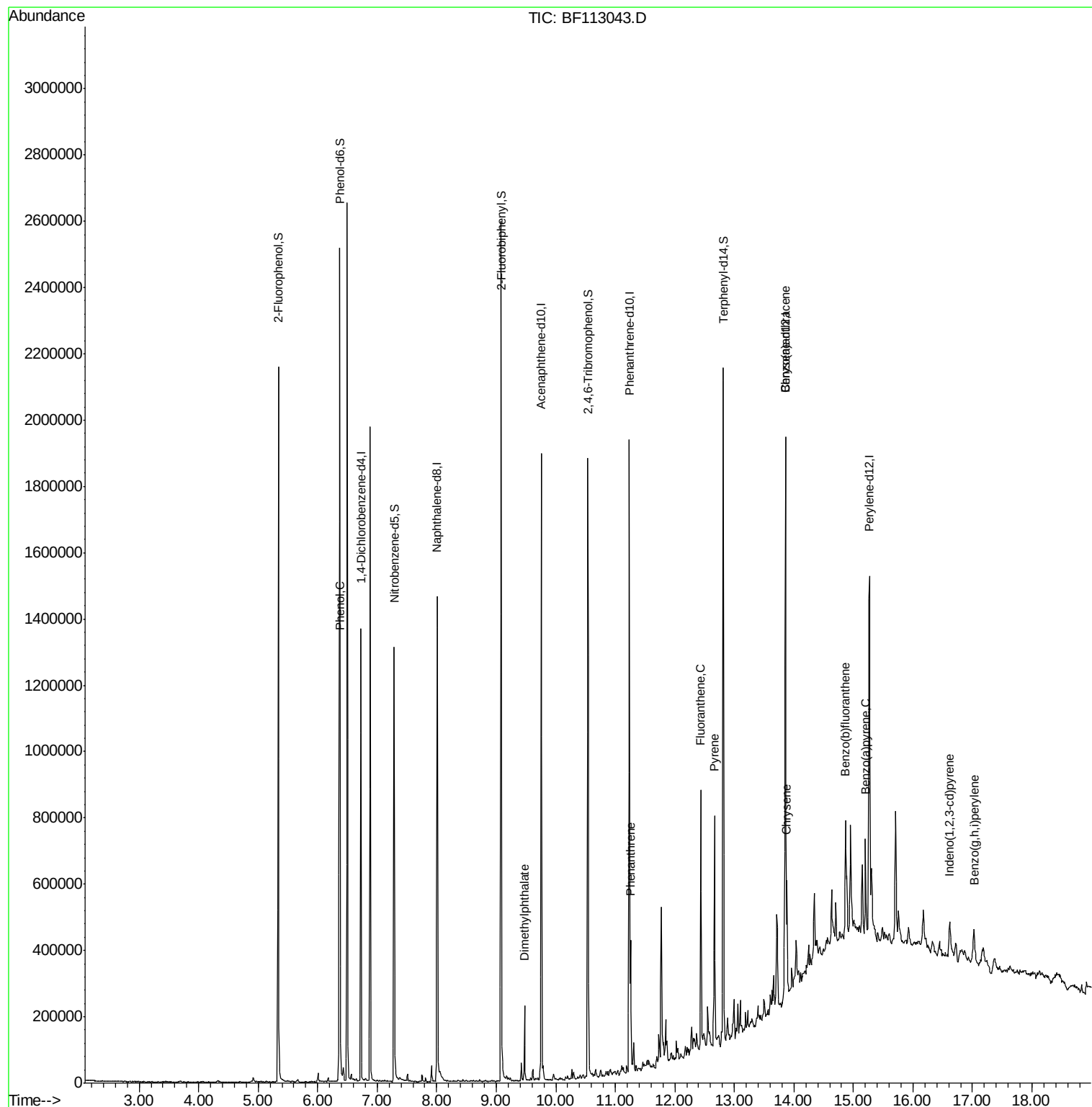
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
Data File : BF113043.D
Acq On : 13 Mar 2019 22:13
Operator : JU/SJ
Sample : K1870-09 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

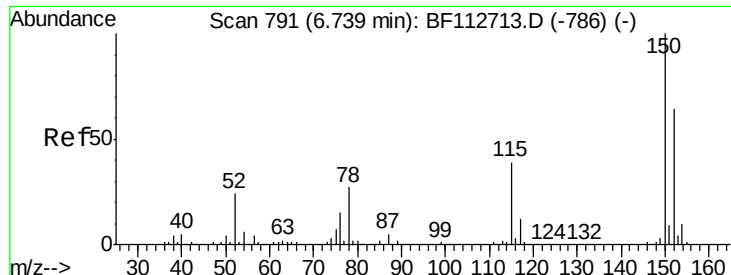
Instrument :
BNA_F
ClientSampleId :
SP-3

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#1

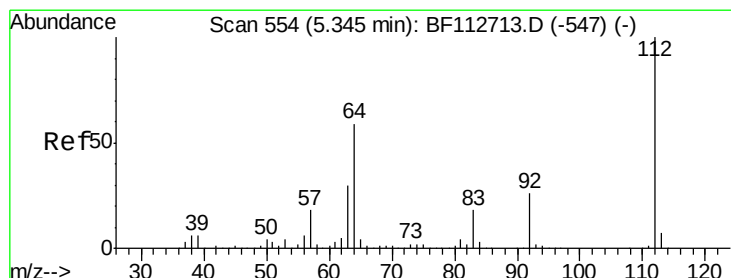
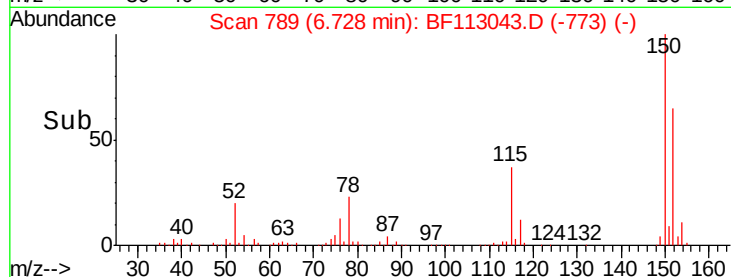
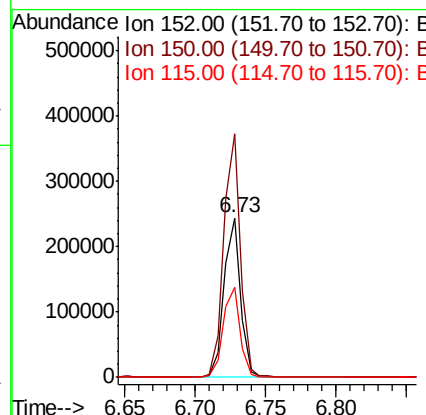
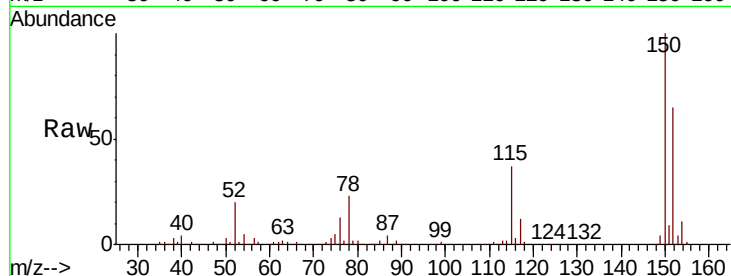
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113043.D
Acq: 13 Mar 2019 22:13

Instrument :
BNA_F
ClientSampled :
SP-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.2	186.2
115	56.6	48.2	72.4

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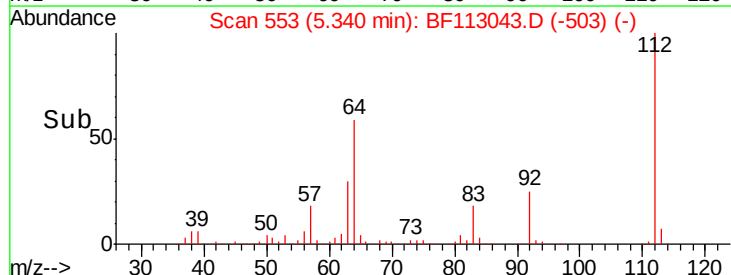
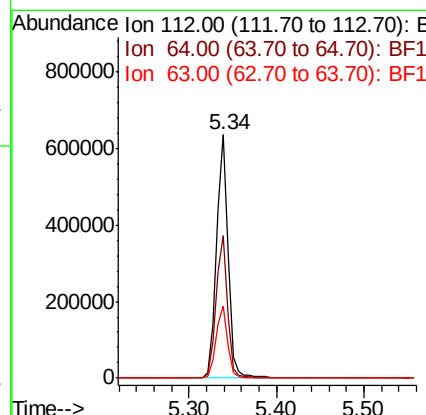
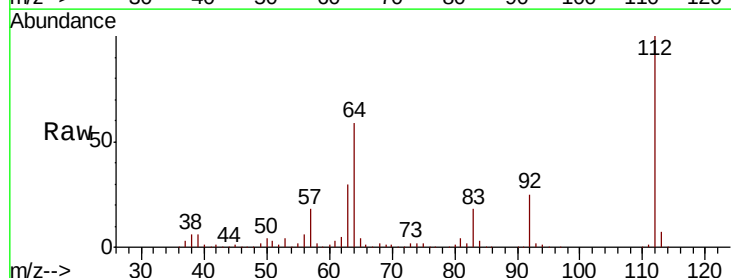
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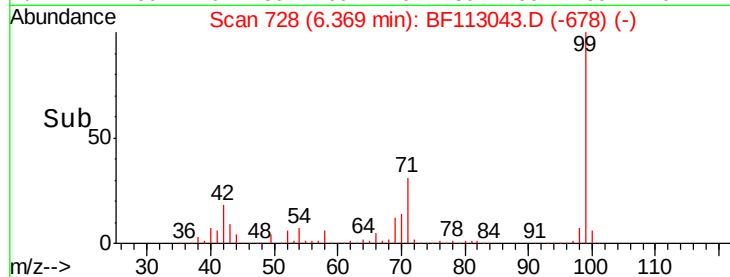
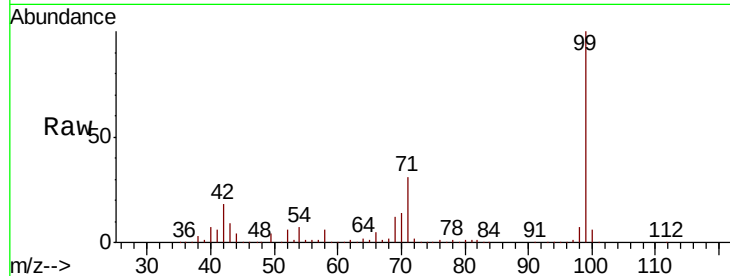
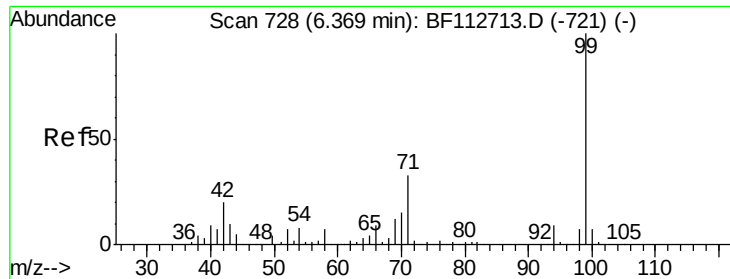


#5

2-Fluorophenol
Concen: 46.165 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113043.D
Acq: 13 Mar 2019 22:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.6	71.4
63	29.6	24.4	36.6





#7

Phenol-d6

Concen: 51.723 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113043.D

Acq: 13 Mar 2019 22:13

Tot Ion:	99	Resp:	829022
Ion Ratio	Lower	Upper	
99	100		
42	18.1	16.3	24.5
71	31.0	26.2	39.4

Instrument :

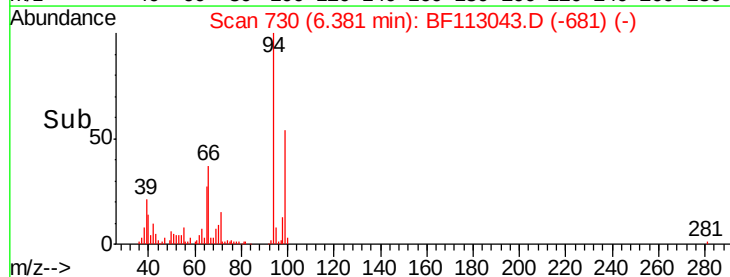
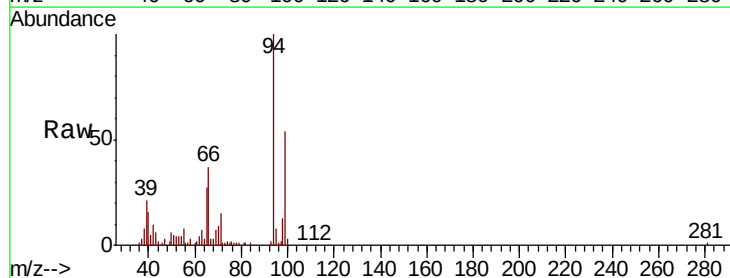
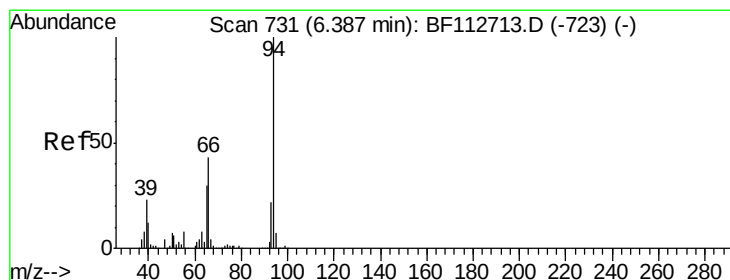
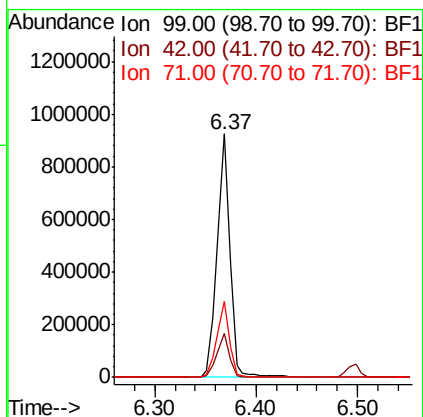
BNA_F

ClientSampled :

SP-3

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#10

Phenol

Concen: 2.951 ng

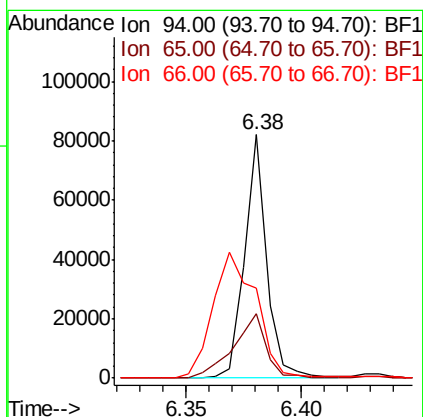
RT: 6.38 min Scan# 730

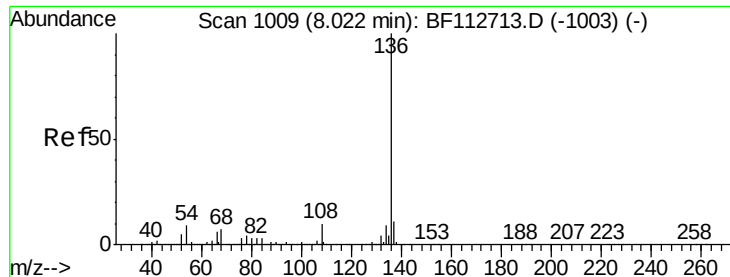
Delta R.T. -0.01 min

Lab File: BF113043.D

Acq: 13 Mar 2019 22:13

Tgt Ion:	94	Resp:	55187
Ion Ratio	Lower	Upper	
94	100		
65	26.5	10.5	50.5
66	36.8	22.6	62.6





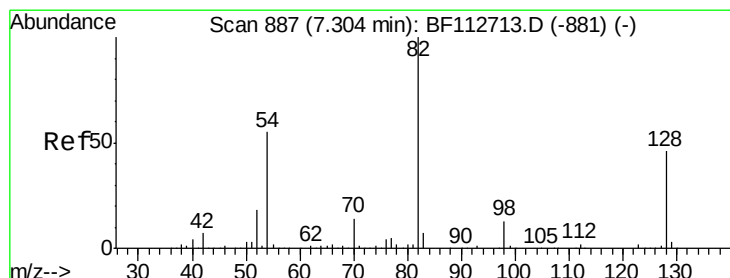
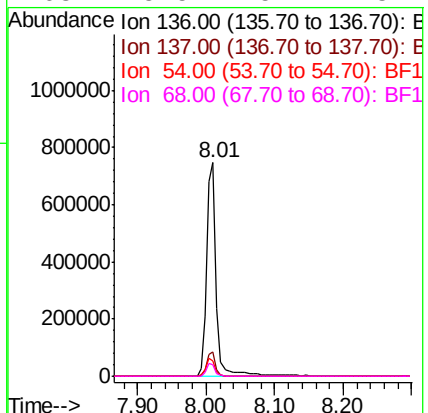
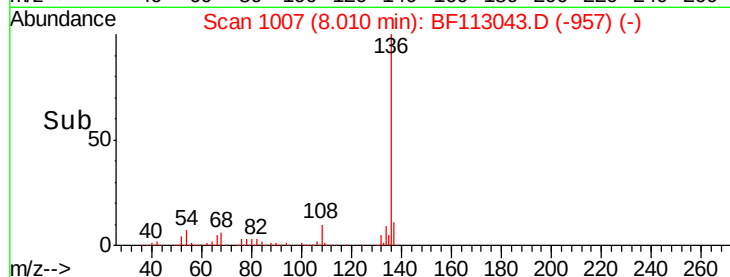
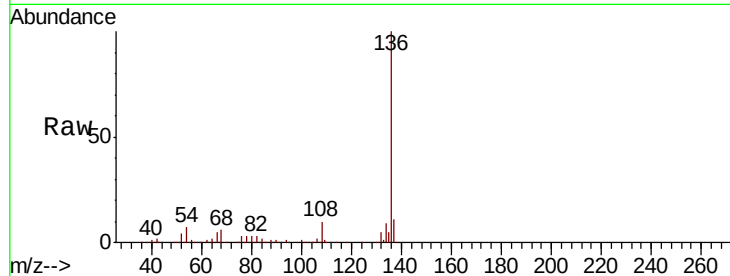
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113043.D
Acq: 13 Mar 2019 22:13

Instrument :
BNA_F
ClientSampled :
SP-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		752564		
137	11.2	8.9	13.3		
54	7.4	7.3	10.9		
68	5.5	5.4	8.2		

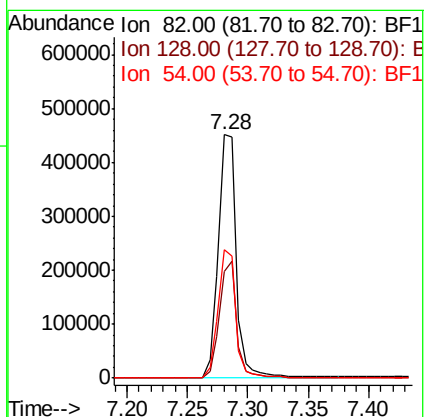
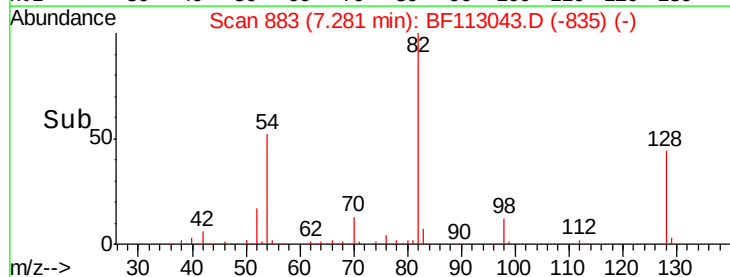
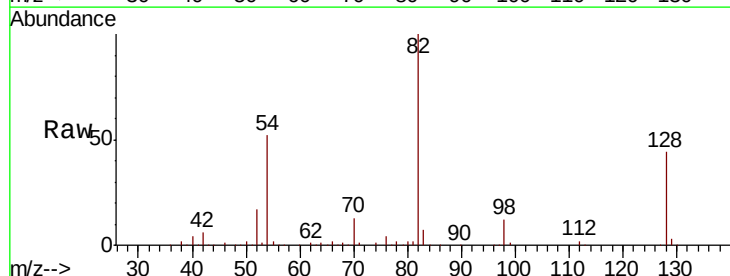
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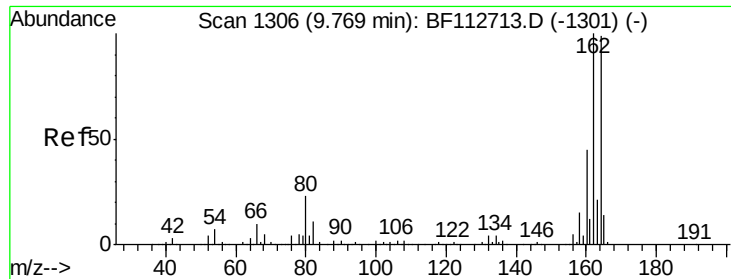
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#23
Nitrobenzene-d5
Concen: 37.116 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113043.D
Acq: 13 Mar 2019 22:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		466803		
128	44.0	36.3	54.5		
54	52.5	43.7	65.5		





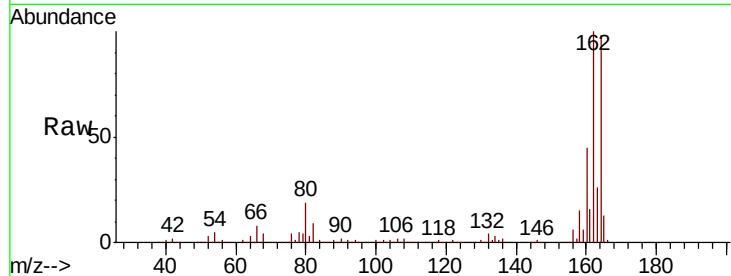
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113043.D
 Acq: 13 Mar 2019 22:13

Instrument :
 BNA_F
 ClientSampled :
 SP-3

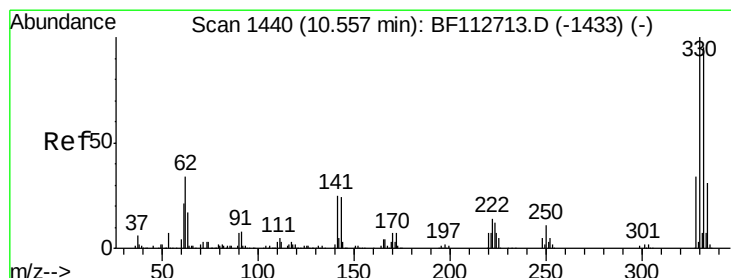
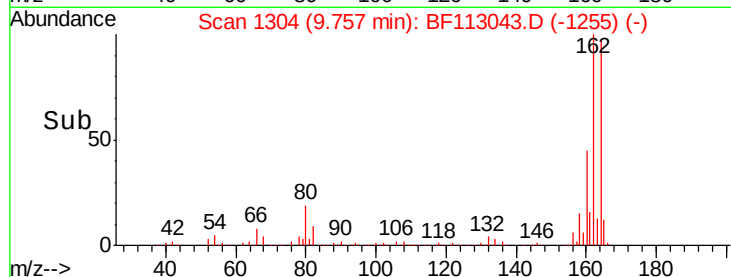
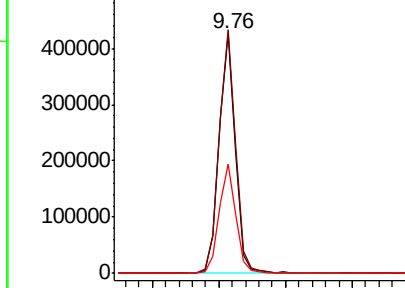
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	80.6	120.8	
160	45.5	36.0	54.0	

Manual Integrations
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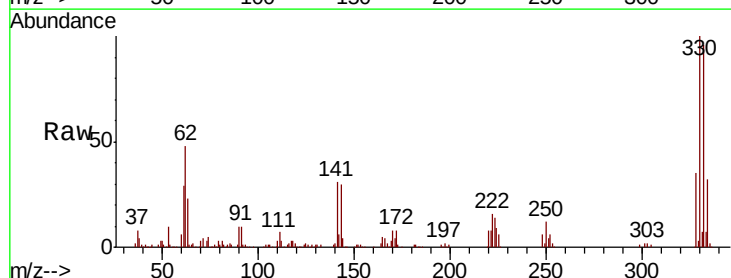


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

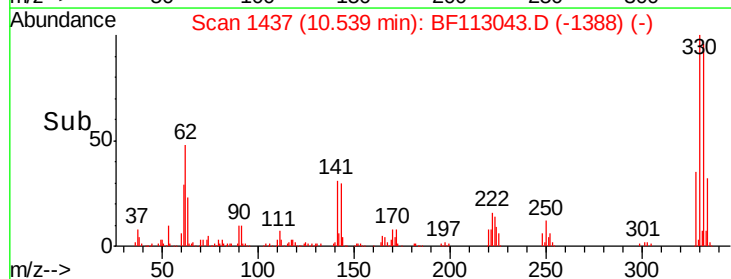
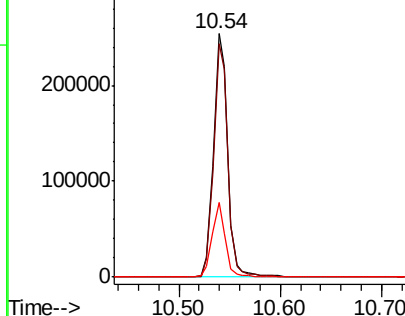


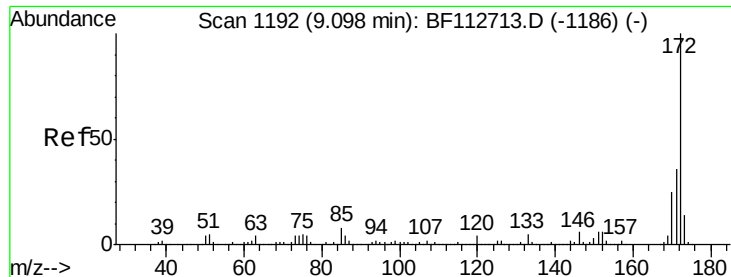
#42
 2,4,6-Tribromophenol
 Concen: 63.234 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113043.D
 Acq: 13 Mar 2019 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	76.2	114.4	
141	28.7	27.0	40.6	



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





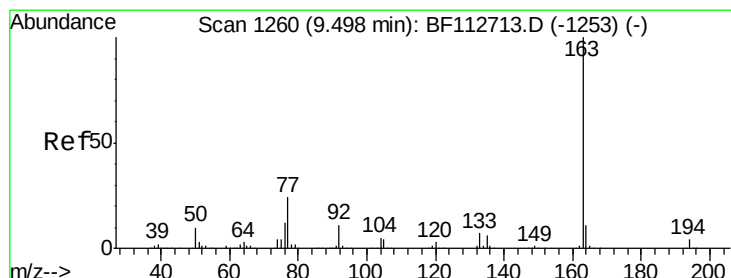
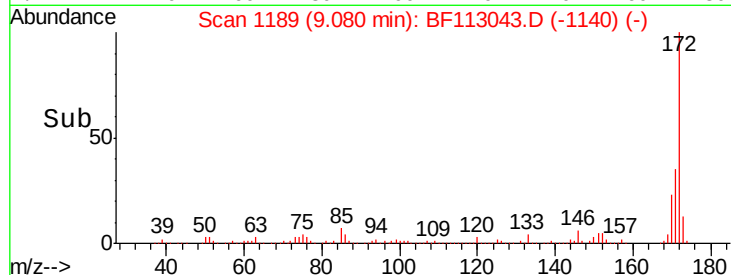
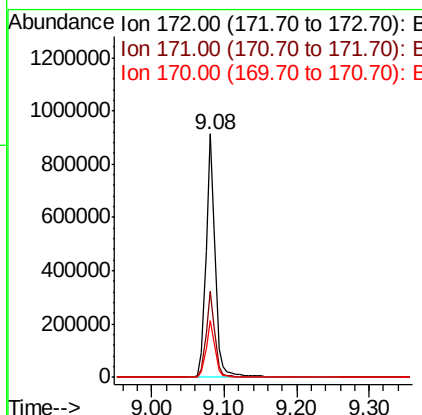
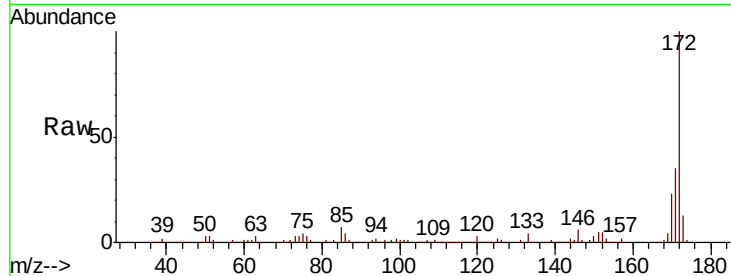
#45
2-Fluorobiphenyl
Concen: 30.579 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF113043.D
Acq: 13 Mar 2019 22:13

Instrument :
BNA_F
ClientSampleId :
SP-3

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	23.4	20.0	30.0

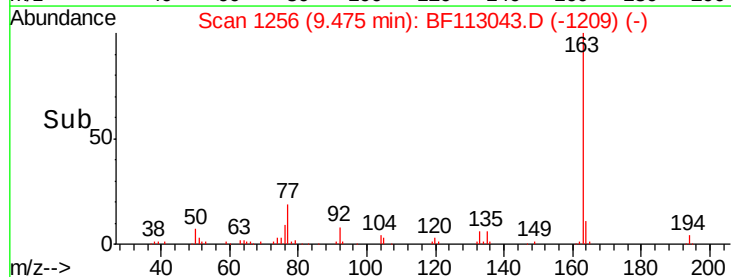
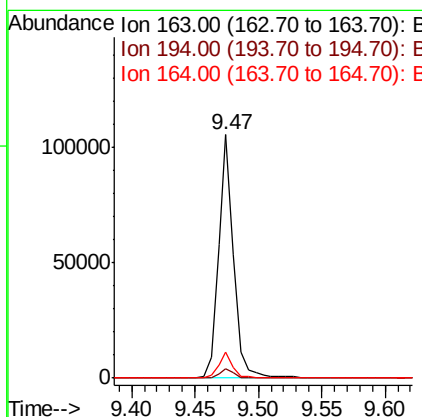
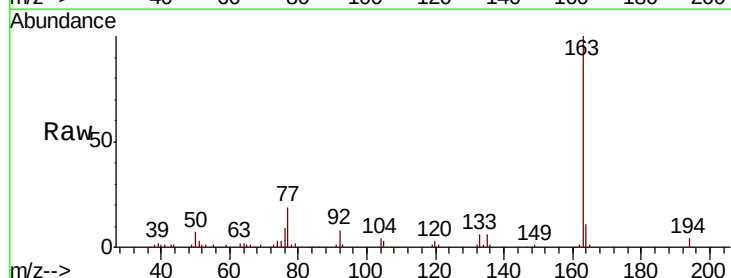
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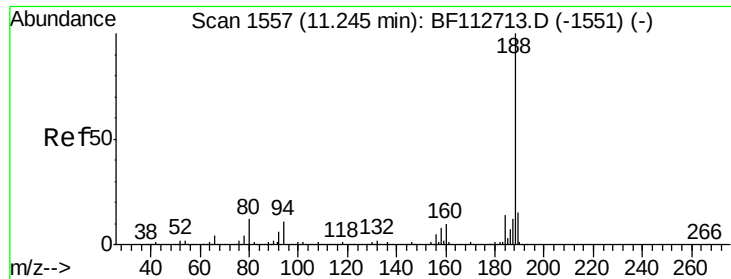
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#50
Dimethylphthalate
Concen: 3.231 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF113043.D
Acq: 13 Mar 2019 22:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	10.6	8.4	12.6





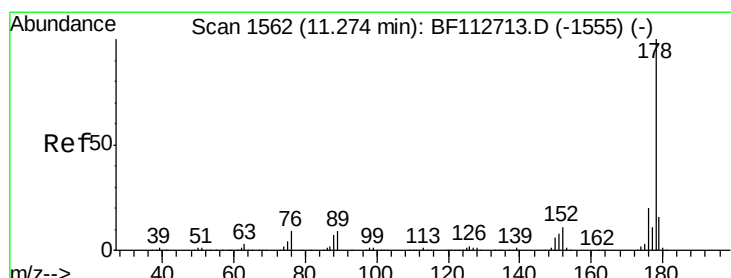
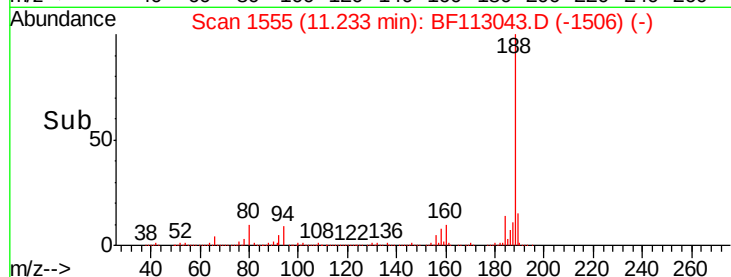
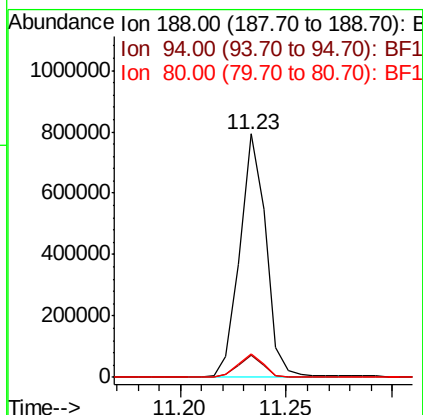
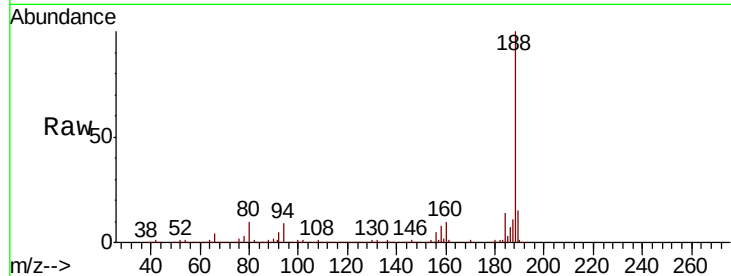
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113043.D
Acq: 13 Mar 2019 22:13

Instrument :
BNA_F
ClientSampled :
SP-3

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.3	9.0	13.4
80	9.9	9.2	13.8

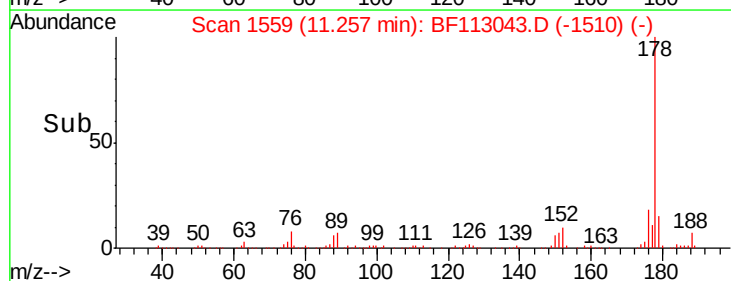
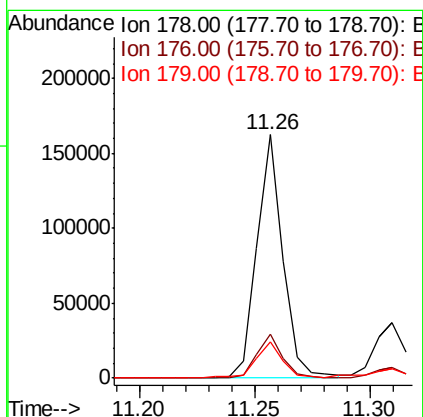
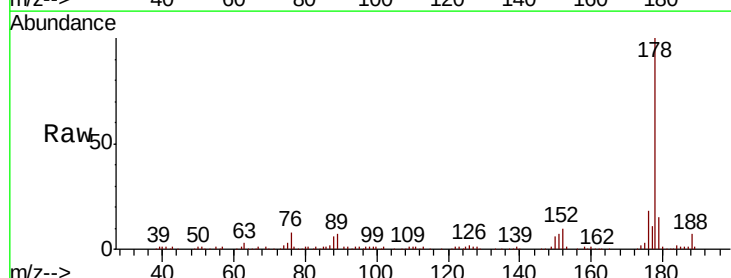
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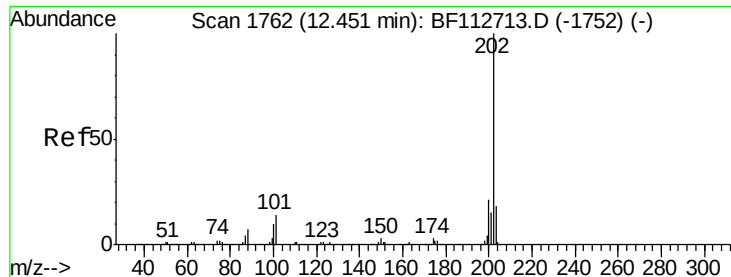
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#71
Phenanthrene
Concen: 3.777 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113043.D
Acq: 13 Mar 2019 22:13

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.2	16.3	24.5
179	14.9	12.7	19.1





#75

Fluoranthene

Concen: 8.587 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF113043.D

Acq: 13 Mar 2019 22:13

Instrument :

BNA_F

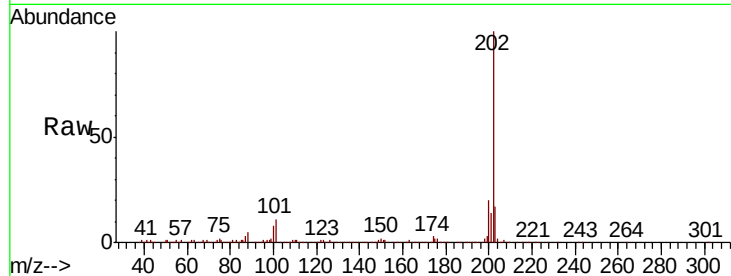
ClientSampleId :

SP-3

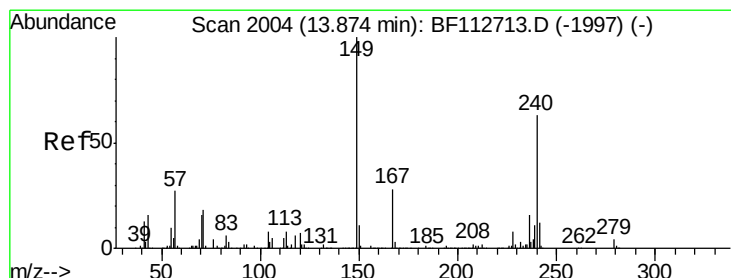
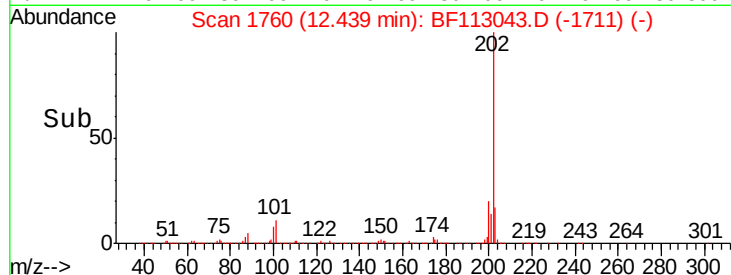
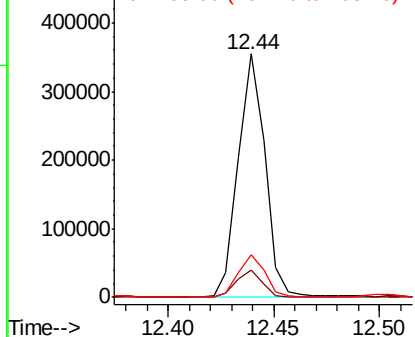
Tot Ion:	202	Resp:	311719
Ion Ratio		Lower	Upper
202	100		
101	11.4	0.0	33.8
203	17.3	0.0	38.4

Manual Integrations
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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

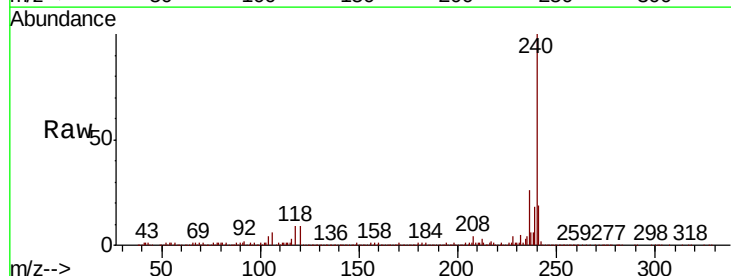
RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

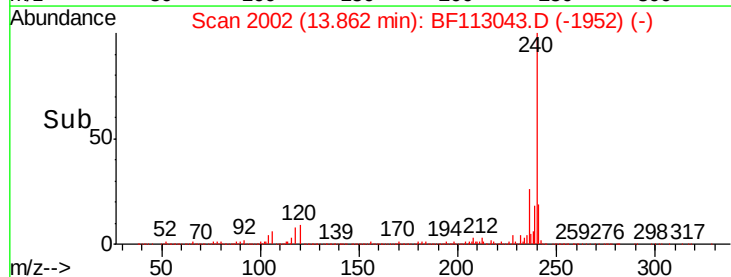
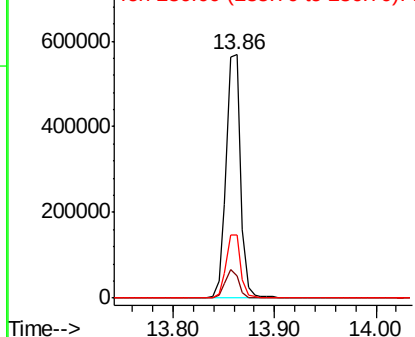
Lab File: BF113043.D

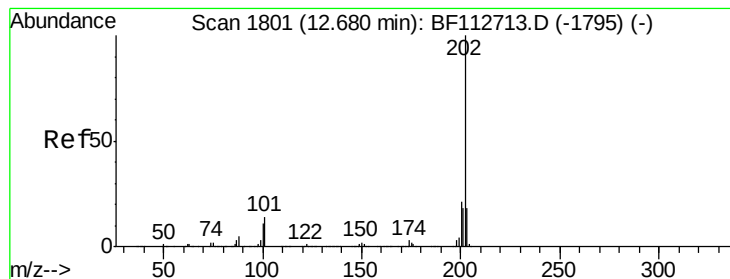
Acq: 13 Mar 2019 22:13

Tgt Ion:	240	Resp:	566538
Ion Ratio		Lower	Upper
240	100		
120	9.4	8.9	13.3
236	26.2	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.499 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113043.D

Acq: 13 Mar 2019 22:13

Instrument :

BNA_F

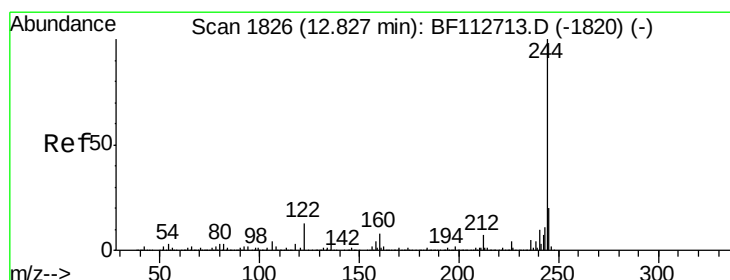
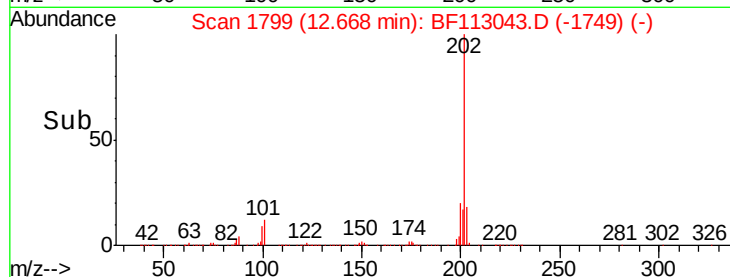
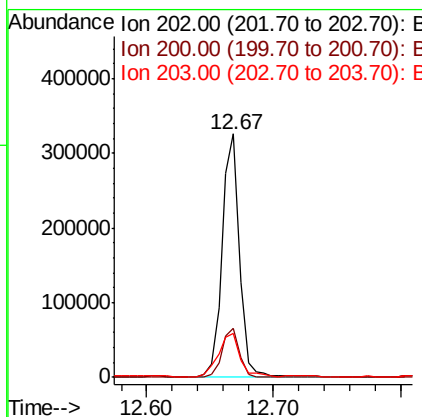
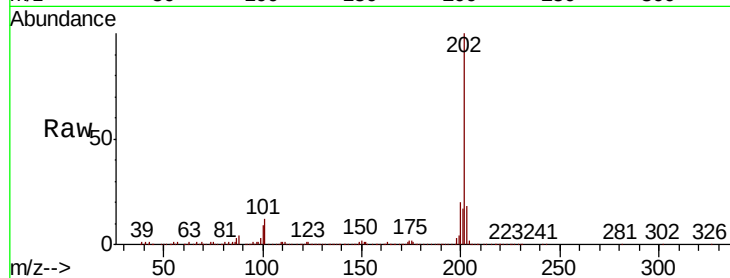
ClientSampled :

SP-3

Tot Ion:	202	Resp:	310391
Ion Ratio	Lower	Upper	
202	100		
200	20.2	17.0	25.4
203	18.0	14.4	21.6

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#79

Terphenyl-d14

Concen: 26.569 ng

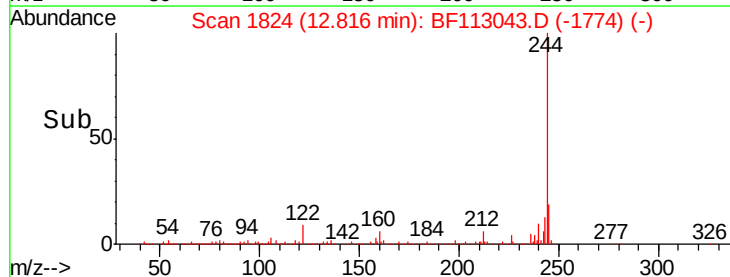
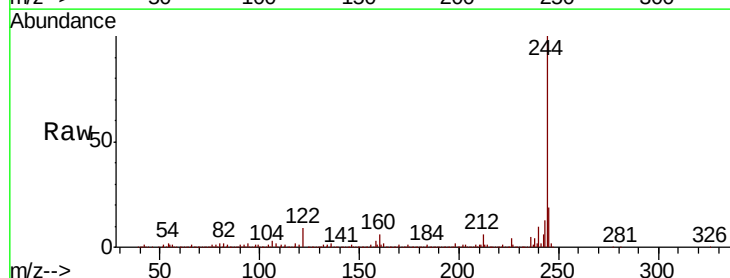
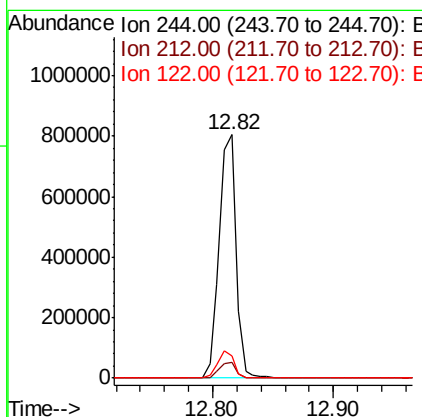
RT: 12.82 min Scan# 1824

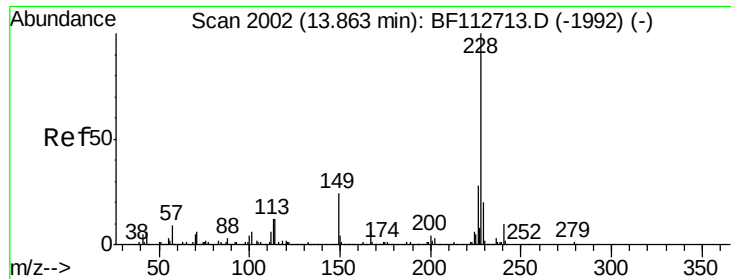
Delta R.T. -0.01 min

Lab File: BF113043.D

Acq: 13 Mar 2019 22:13

Tgt Ion:	244	Resp:	776497
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.6	8.4
122	9.3	10.5	15.7#





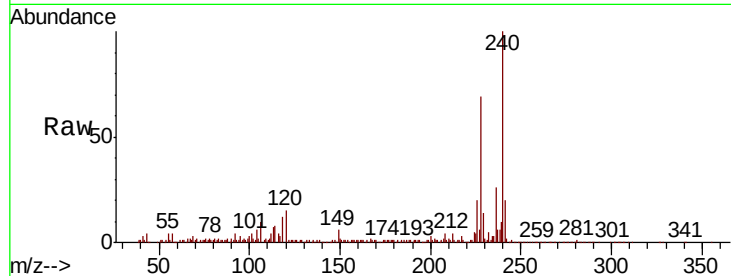
#81
Benzo(a)anthracene
Concen: 3.927 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF113043.D
Acq: 13 Mar 2019 22:13

Instrument :
BNA_F
ClientSampleId :
SP-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.2	33.4
229	20.7	16.0	24.0

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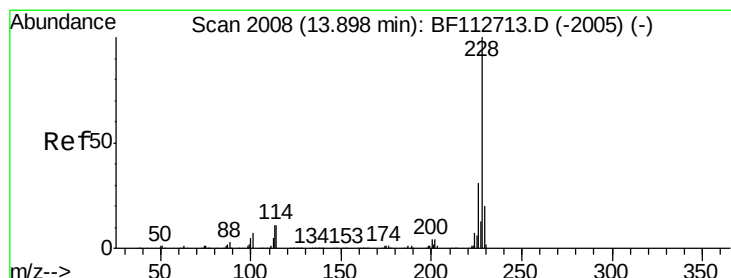
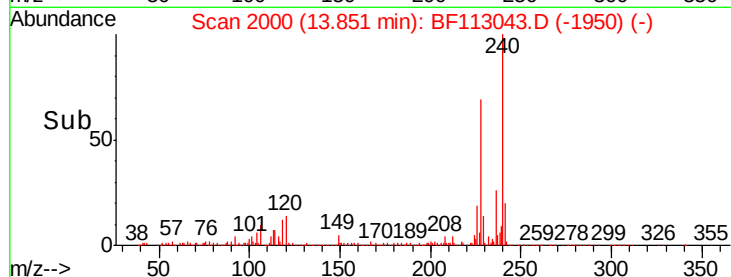
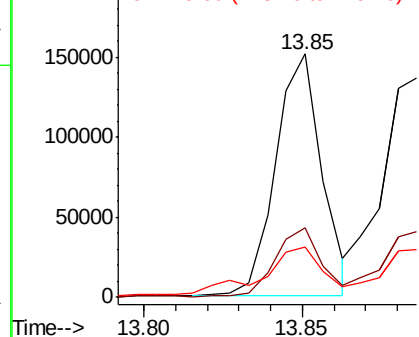


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 3.832 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113043.D
Acq: 13 Mar 2019 22:13

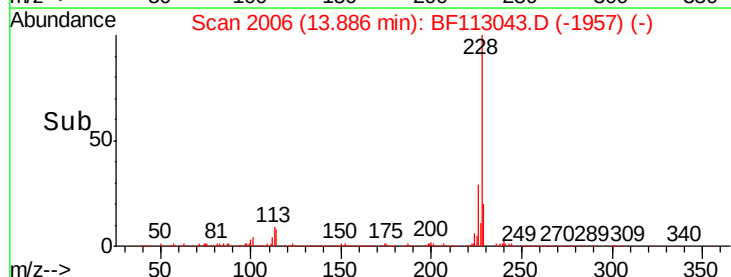
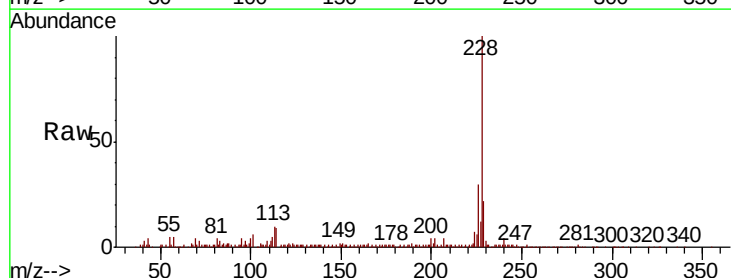
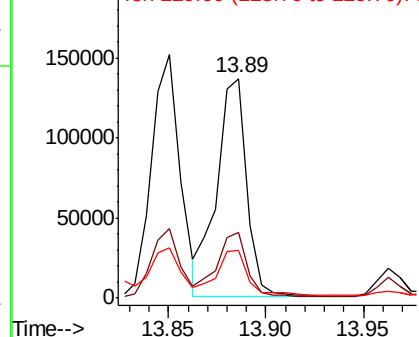
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	21.5	16.3	24.5

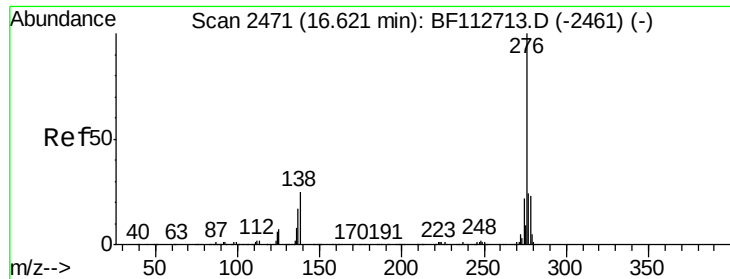
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





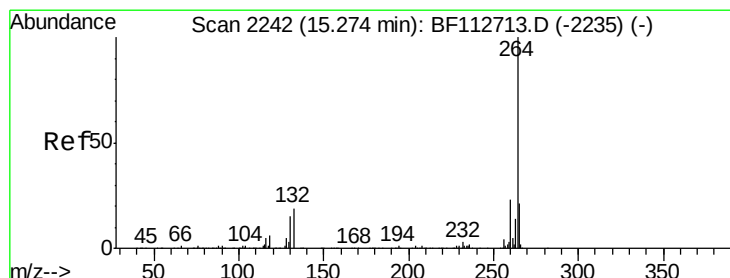
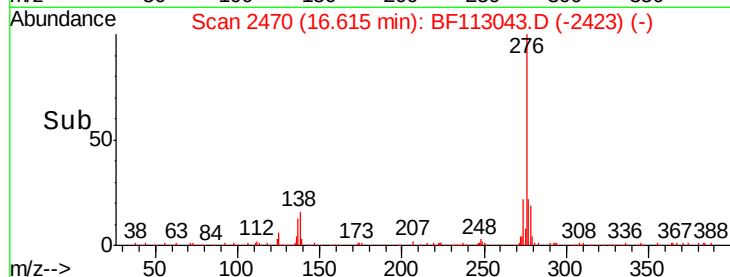
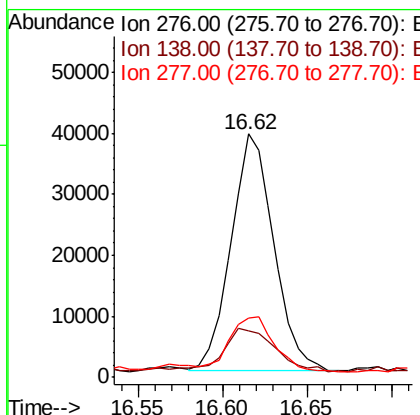
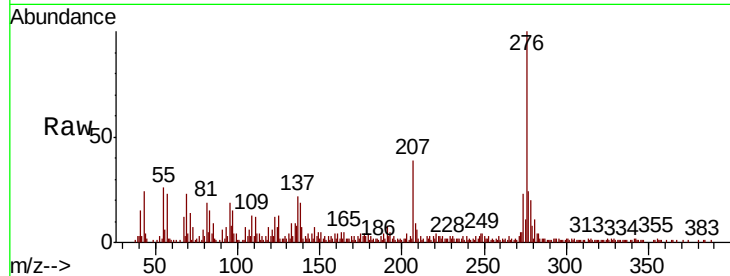
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.071 ng
 RT: 16.62 min Scan# 2470
 Delta R.T. -0.02 min
 Lab File: BF113043.D
 Acq: 13 Mar 2019 22:13

Instrument :
 BNA_F
 ClientSampled :
 SP-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.3	23.2	34.8
277	24.9	19.9	29.9

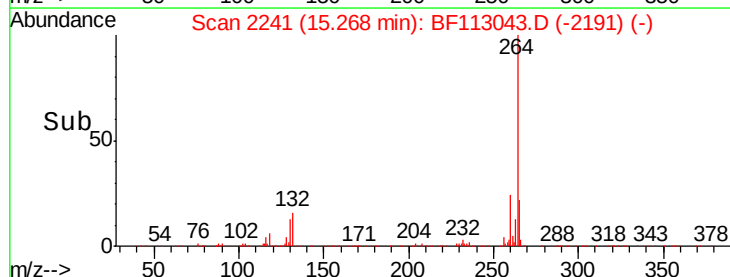
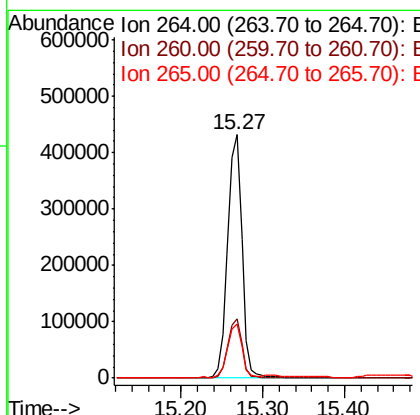
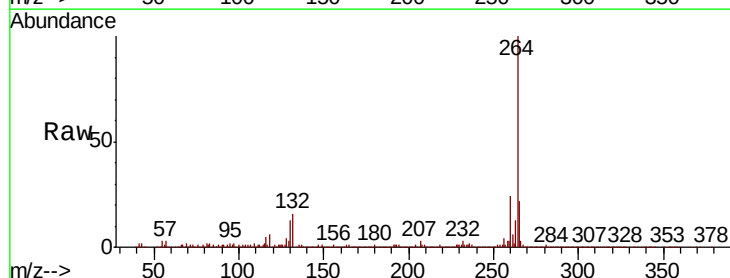
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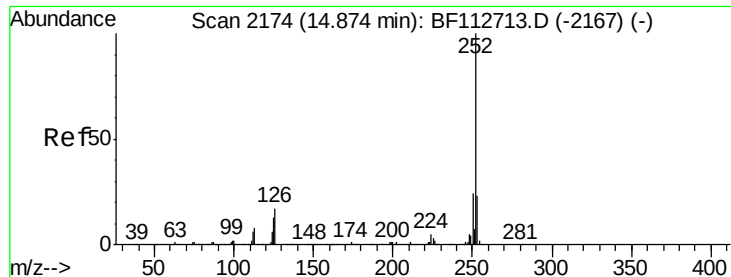
Sohil
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF113043.D
 Acq: 13 Mar 2019 22:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.1	17.2	25.8





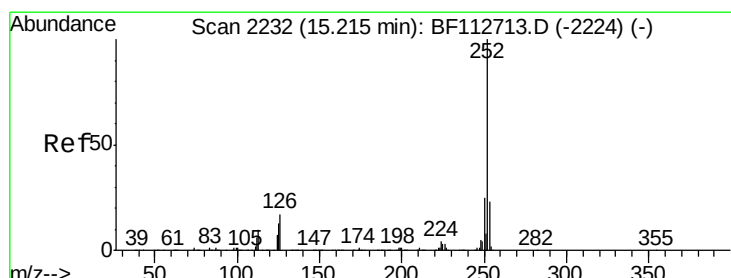
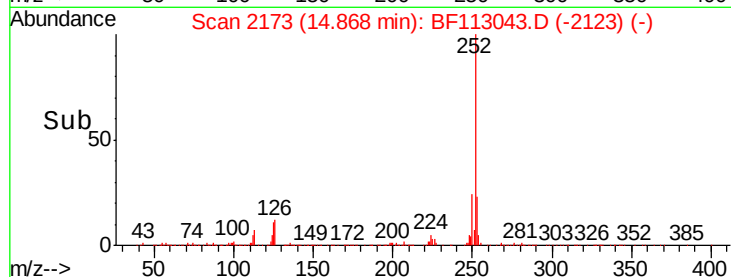
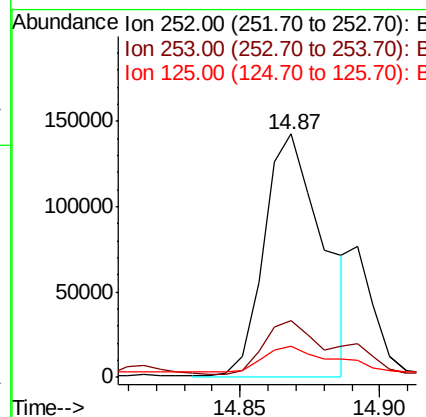
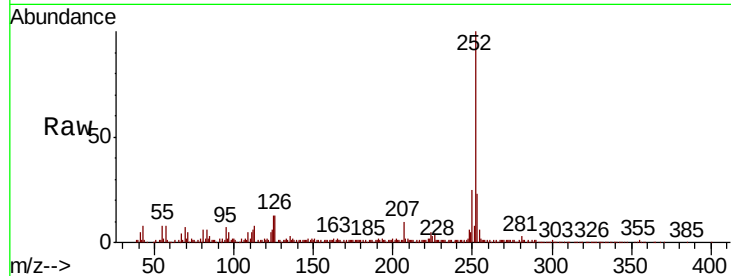
#88
Benzo(b)fluoranthene
Concen: 6.170 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113043.D
Acq: 13 Mar 2019 22:13

Instrument :
BNA_F
ClientSampled :
SP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	13.0	10.2	15.2

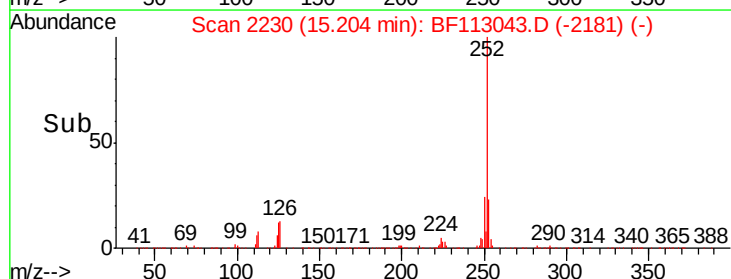
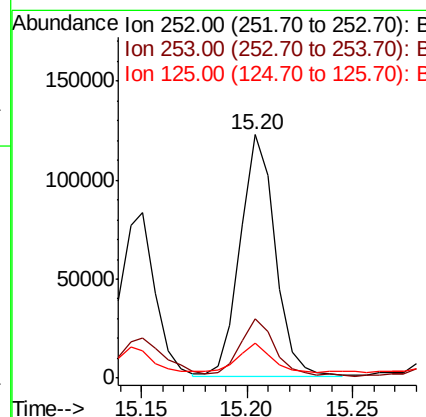
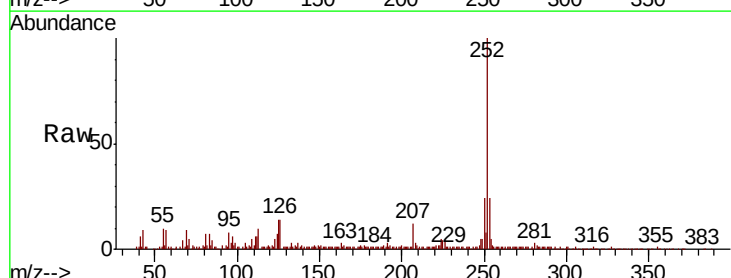
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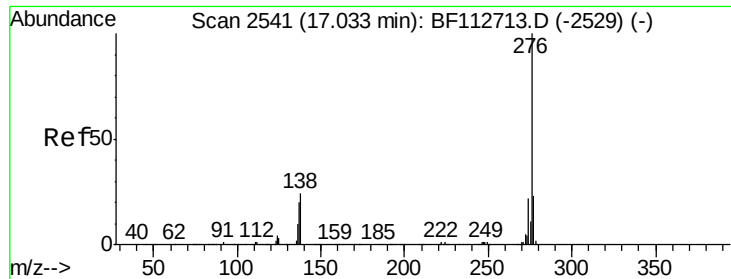
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#90
Benzo(a)pyrene
Concen: 4.656 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF113043.D
Acq: 13 Mar 2019 22:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	14.2	10.7	16.1





#92

Benzo(a,h,i)perylene

Concen: 2.673 ng

RT: 17.03 min Scan# 2540

Delta R.T. -0.02 min

Lab File: BF113043.D

Acq: 13 Mar 2019 22:13

Instrument :

BNA_F

ClientSampleId :

SP-3

Tot Ion: 276 Resp: 68955

Ion Ratio Lower Upper

276 100

277 24.2 18.6 27.8

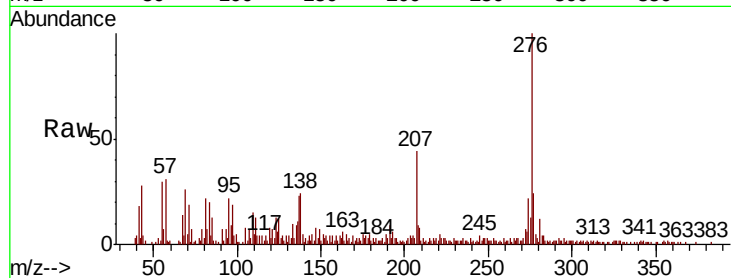
138 23.7 19.4 29.0

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

