

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
 Data File : BF113242.D
 Acq On : 22 Mar 2019 18:48
 Operator : JU/SJ
 Sample : K2050-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-2

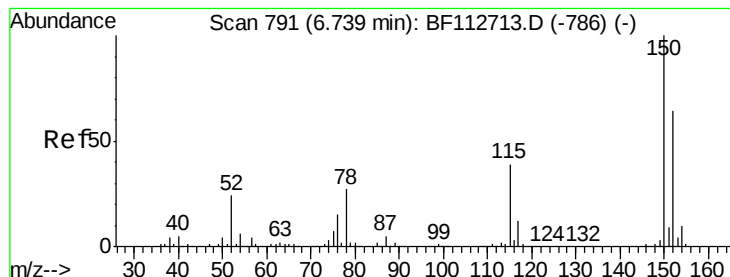
Manual Integrations
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Quant Time: Mar 23 00:41:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	157402	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	633696	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	303306	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	543667	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	353308	20.00	ng	0.00
87) Perylene-d12	15.27	264	430881	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1100595	108.77	ng	0.00
7) Phenol-d6	6.37	99	1453409	114.34	ng	0.00
23) Nitrobenzene-d5	7.28	82	959298	90.58	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	452811	140.63	ng	-0.01
45) 2-Fluorobiphenyl	9.07	172	1716793	97.57	ng	-0.02
79) Terphenyl-d14	12.81	244	1417051	77.75	ng	-0.01
Target Compounds						
10) Phenol	6.37	94	40469	2.728	ng	Qvalue # 73
49) Acenaphthylene	9.61	152	72535	2.212	ng	96
50) Dimethylphthalate	9.46	163	193337	8.645	ng	98
71) Phenanthrene	11.25	178	195151	7.215	ng	96
72) Anthracene	11.30	178	117276	4.142	ng	96
73) Carbazole	11.46	167	93046	3.369	ng	98
75) Fluoranthene	12.44	202	1098464	37.904	ng	97
78) Pyrene	12.67	202	1029498	34.565	ng	99
81) Benzo(a)anthracene	13.85	228	375734m	15.344	ng	
83) Chrysene	13.89	228	634020	26.434	ng	98
86) Indeno(1,2,3-cd)pyrene	16.63	276	307767	15.051	ng	# 90
88) Benzo(b)fluoranthene	14.87	252	1054232m	37.826	ng	
89) Benzo(k)fluoranthene	14.90	252	301776m	11.954	ng	
90) Benzo(a)pyrene	15.22	252	390917m	15.857	ng	
91) Dibenzo(a,h)anthracene	16.64	278	73304m	3.485	ng	
92) Benzo(g,h,i)perylene	17.04	276	264613	12.527	ng	# 94

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



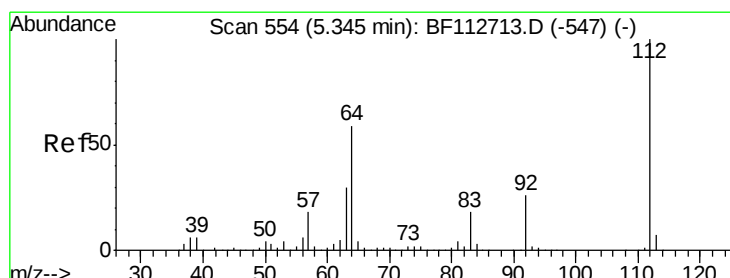
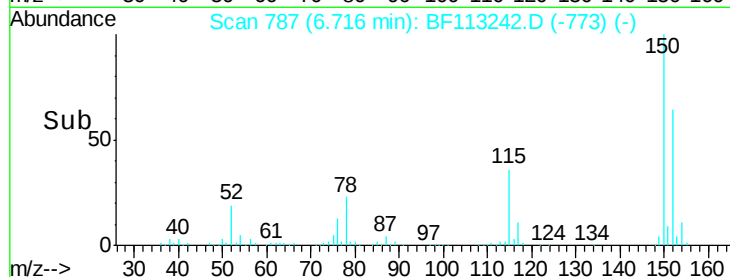
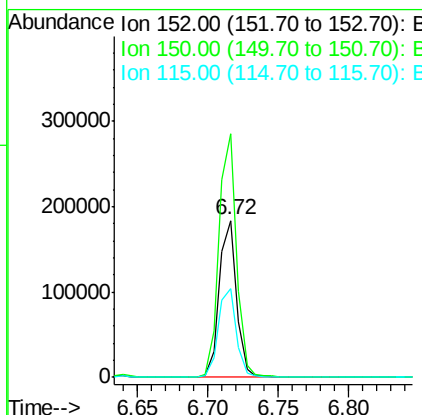
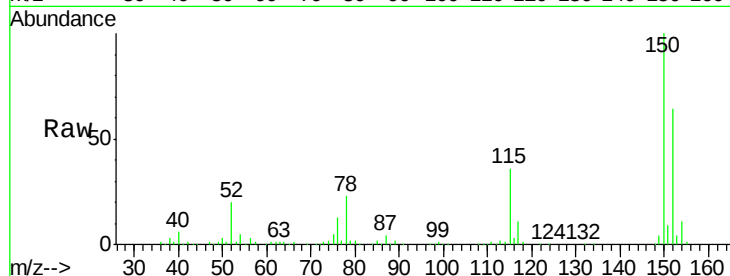
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.02 min
 Lab File: BF113242.D
 Acq: 22 Mar 2019 18:48

Instrument :
 BNA_F
 ClientSampled :
 CS-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.2	186.2
115	56.3	48.2	72.4

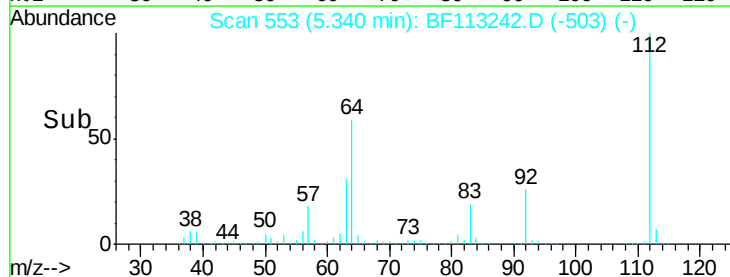
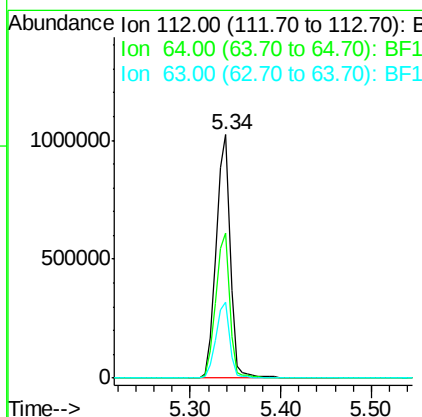
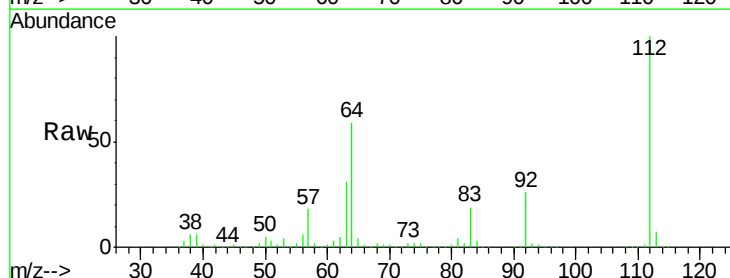
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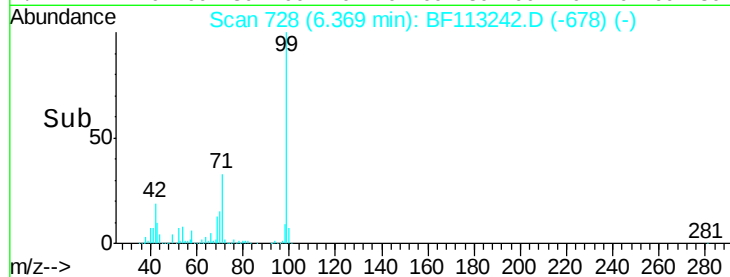
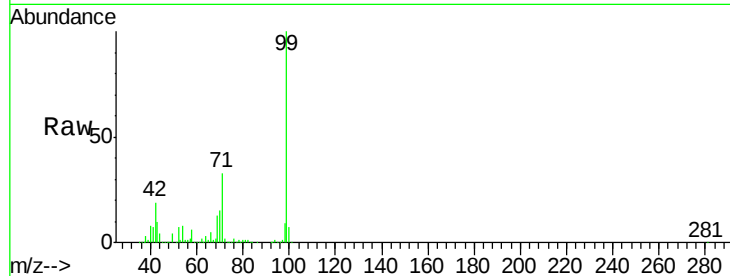
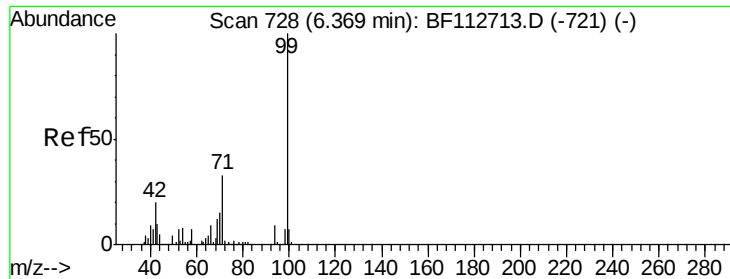
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#5
 2-Fluorophenol
 Concen: 108.768 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF113242.D
 Acq: 22 Mar 2019 18:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.6	71.4
63	31.0	24.4	36.6





#7

Phenol-d6

Concen: 114.344 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113242.D

Acq: 22 Mar 2019 18:48

Tgt Ion: 99 Resp: 1453409

Ion Ratio Lower Upper

99 100

42 19.1 16.3 24.5

71 32.9 26.2 39.4

Instrument :

BNA_F

ClientSampleId :

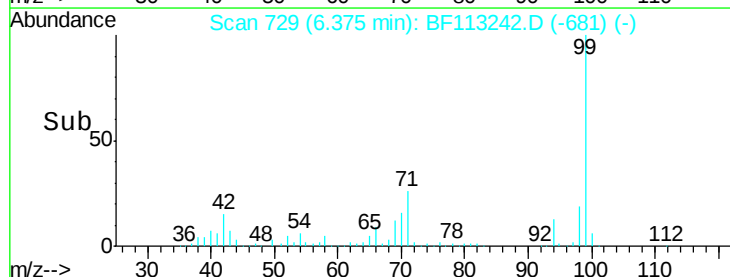
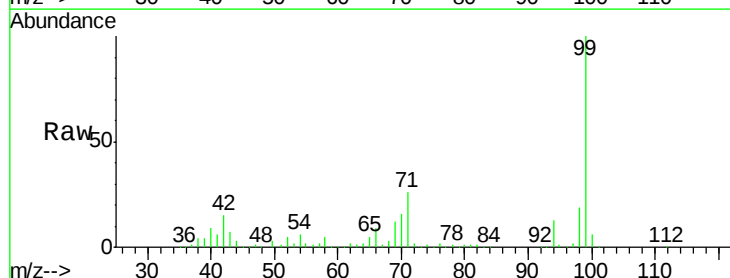
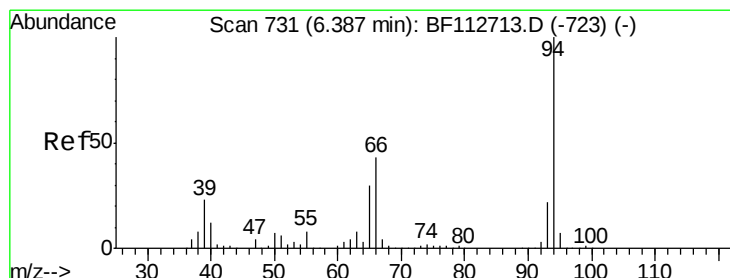
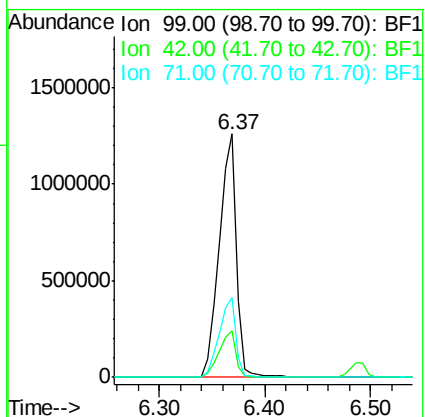
CS-2

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#10

Phenol

Concen: 2.728 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF113242.D

Acq: 22 Mar 2019 18:48

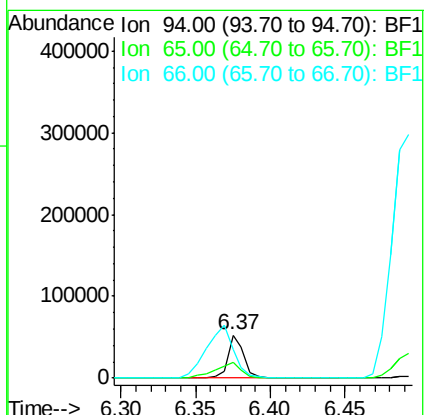
Tgt Ion: 94 Resp: 40469

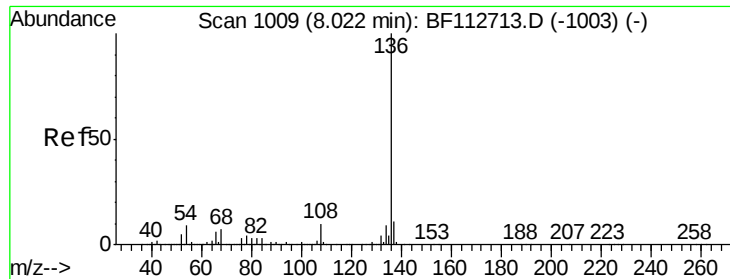
Ion Ratio Lower Upper

94 100

65 36.1 10.5 50.5

66 67.3 22.6 62.6#





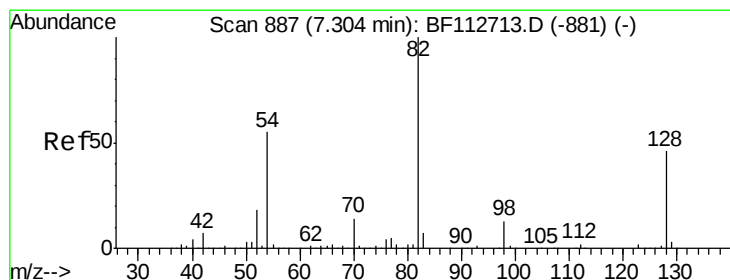
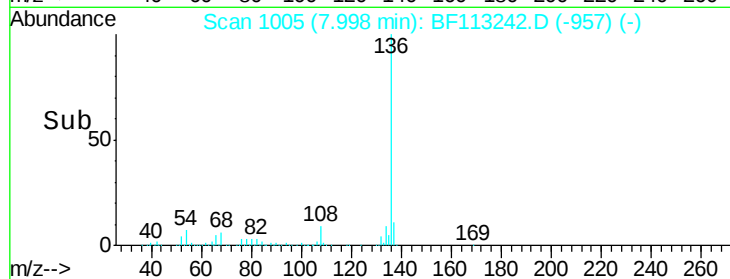
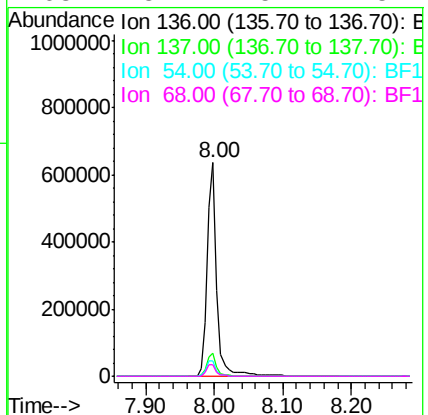
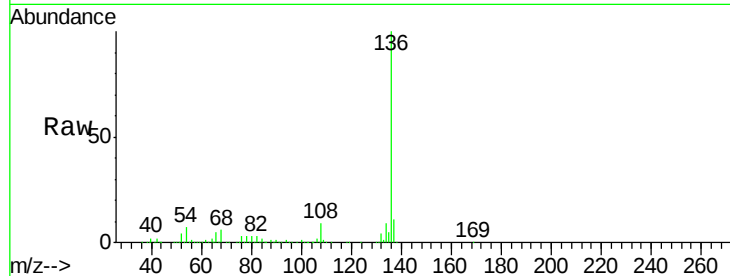
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BF113242.D
Acq: 22 Mar 2019 18:48

Instrument :
BNA_F
ClientSampled :
CS-2

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.5	7.3	10.9
68	5.7	5.4	8.2

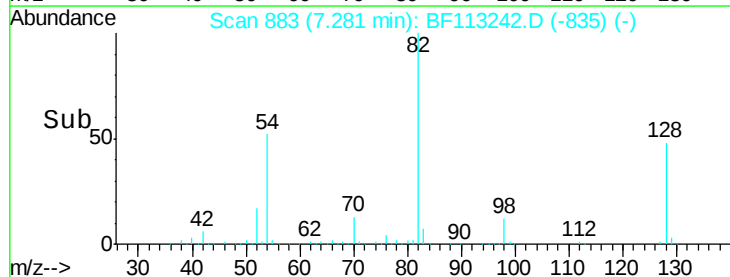
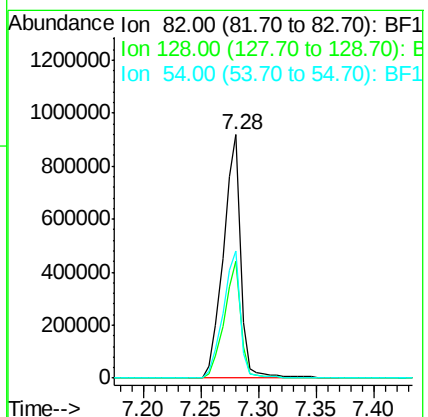
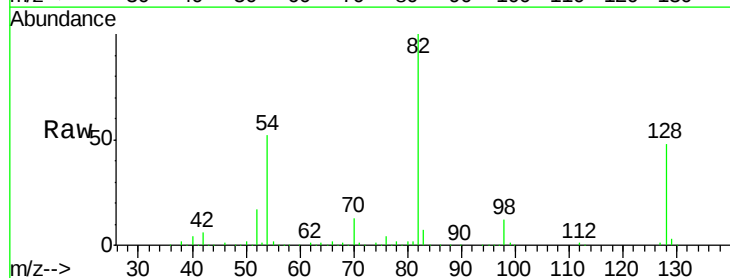
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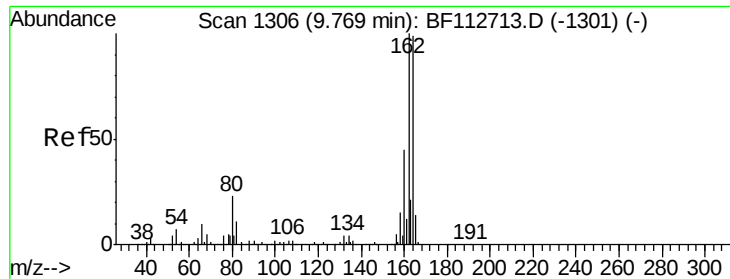
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#23
Nitrobenzene-d5
Concen: 90.584 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113242.D
Acq: 22 Mar 2019 18:48

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	48.2	36.3	54.5
54	52.2	43.7	65.5





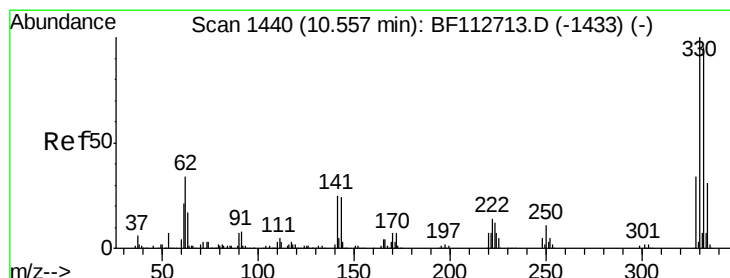
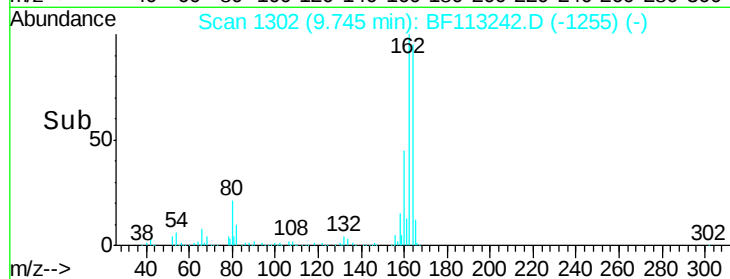
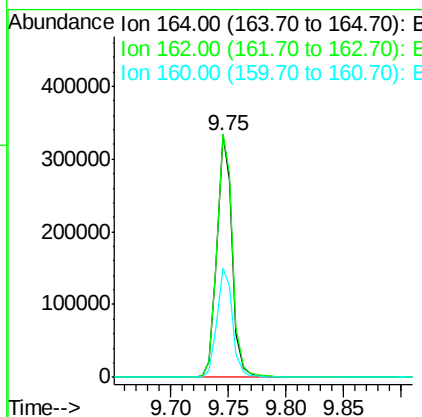
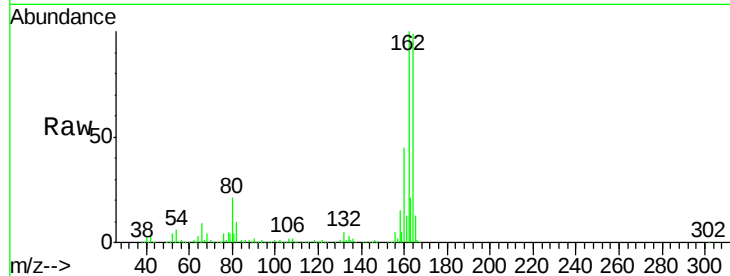
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF113242.D
Acq: 22 Mar 2019 18:48

Instrument :
BNA_F
ClientSampleId :
CS-2

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	303306		
162	100.7	80.6	120.8	
160	45.3	36.0	54.0	

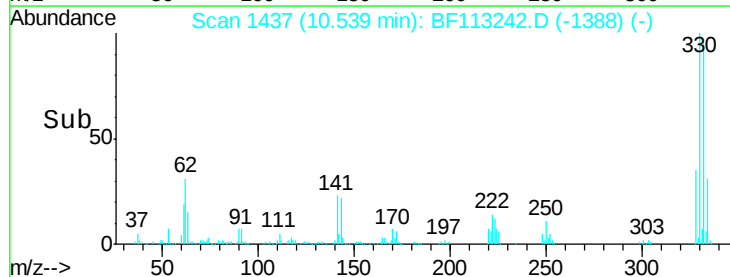
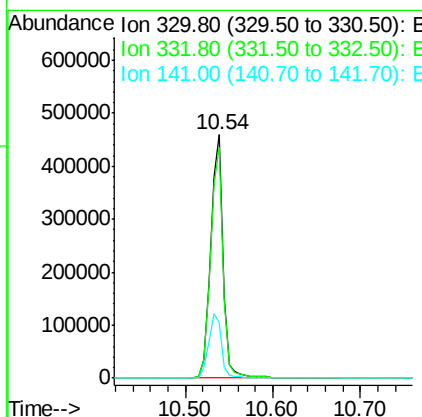
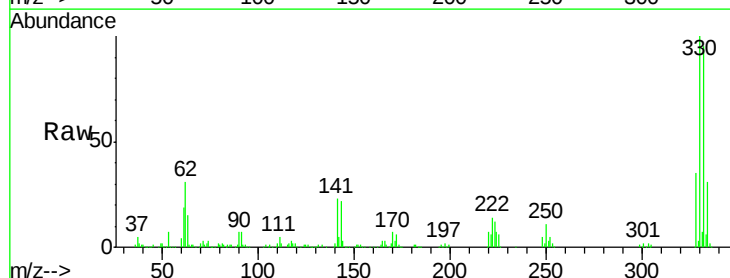
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#42
2,4,6-Tribromophenol
Concen: 140.626 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF113242.D
Acq: 22 Mar 2019 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	452811		
332	95.9	76.2	114.4	
141	27.9	27.0	40.6	





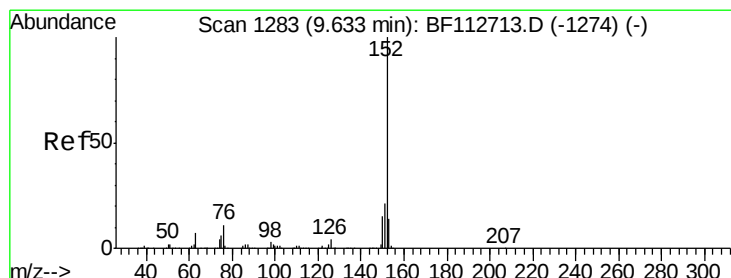
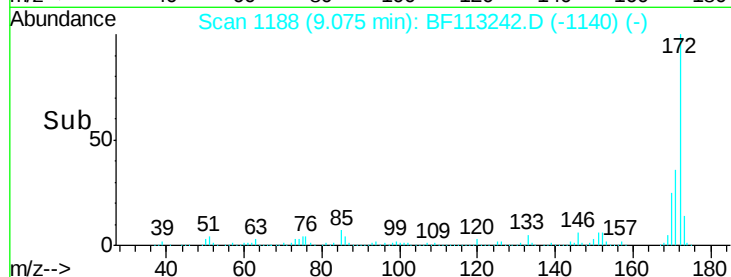
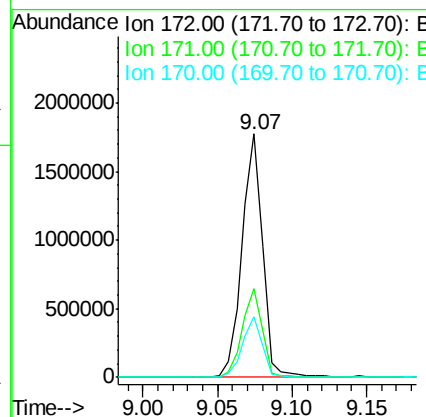
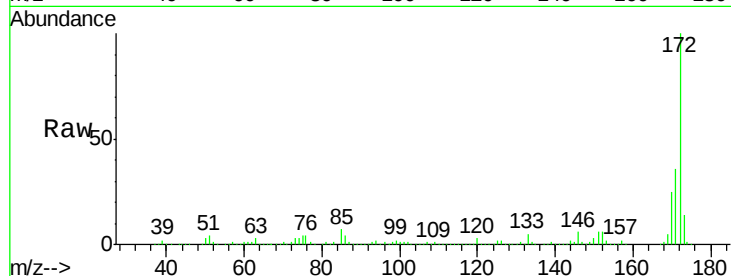
#45
2-Fluorobiphenyl
Concen: 97.567 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.02 min
Lab File: BF113242.D
Acq: 22 Mar 2019 18:48

Instrument :
BNA_F
ClientSampleId :
CS-2

Tgt Ion:172 Resp: 1716793
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.4
170 25.1 20.0 30.0

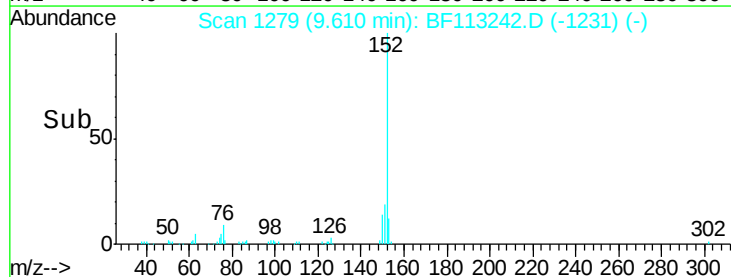
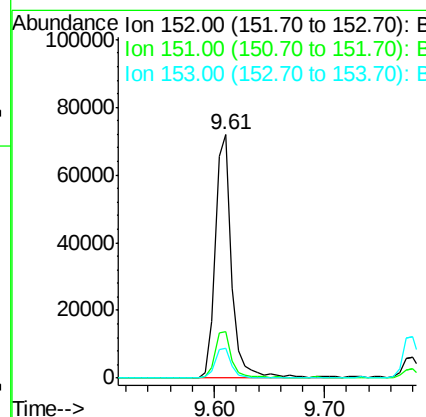
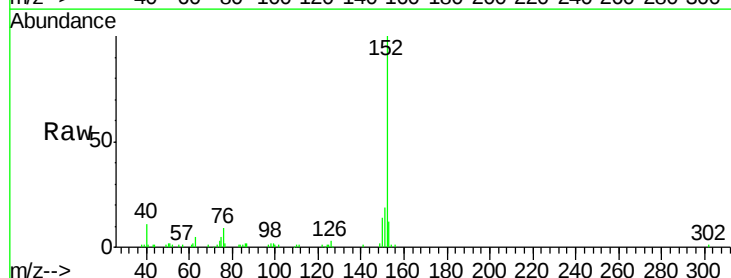
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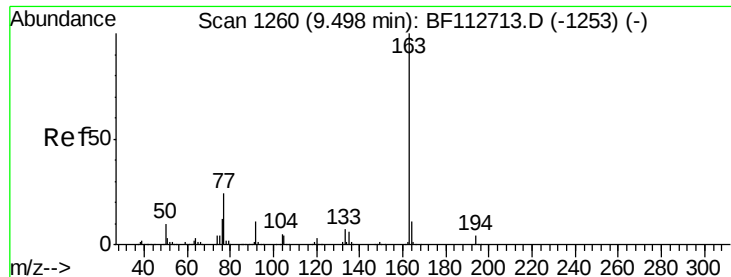
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#49
Acenaphthylene
Concen: 2.212 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF113242.D
Acq: 22 Mar 2019 18:48

Tgt Ion:152 Resp: 72535
Ion Ratio Lower Upper
152 100
151 19.3 16.9 25.3
153 12.2 11.0 16.6





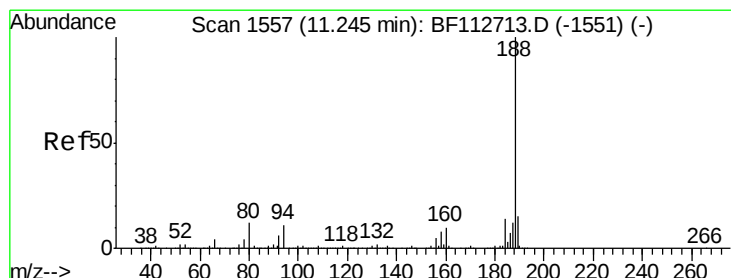
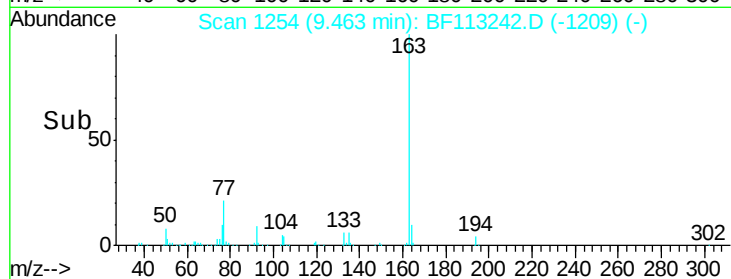
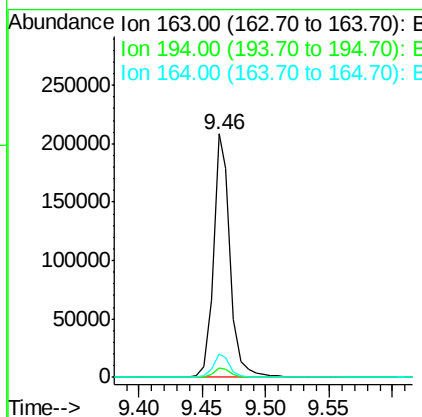
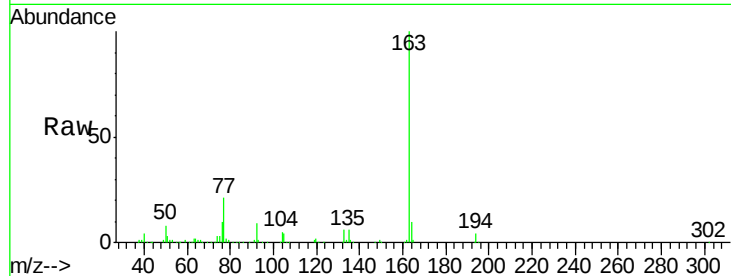
#50
Dimethylphthalate
Concen: 8.645 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.04 min
Lab File: BF113242.D
Acq: 22 Mar 2019 18:48

Instrument :
BNA_F
ClientSampled :
CS-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.0	3.0	4.4
164	9.8	8.4	12.6

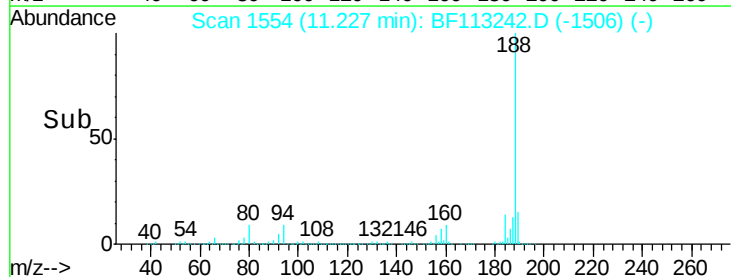
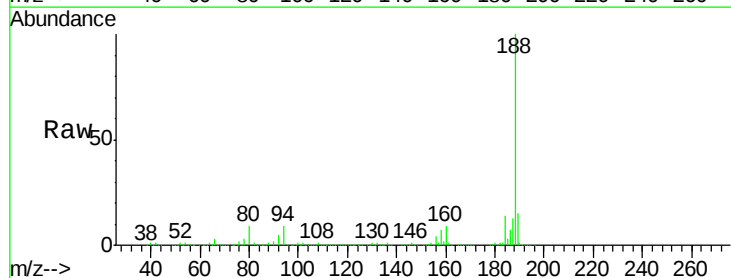
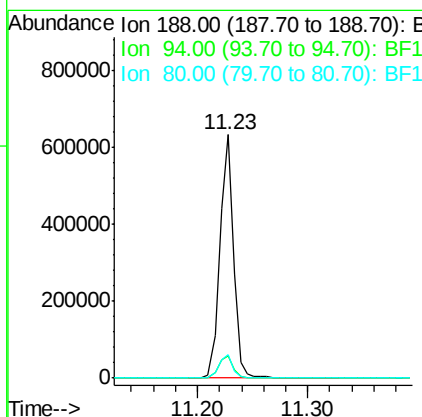
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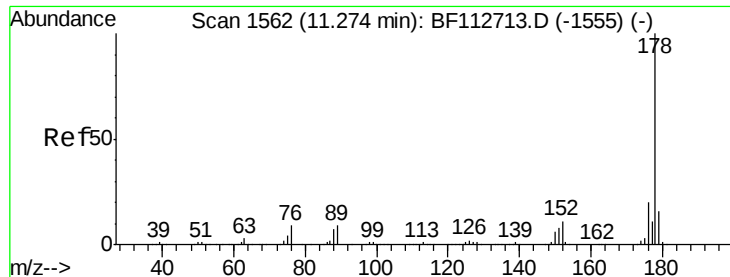
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF113242.D
Acq: 22 Mar 2019 18:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.0	9.0	13.4#
80	9.4	9.2	13.8





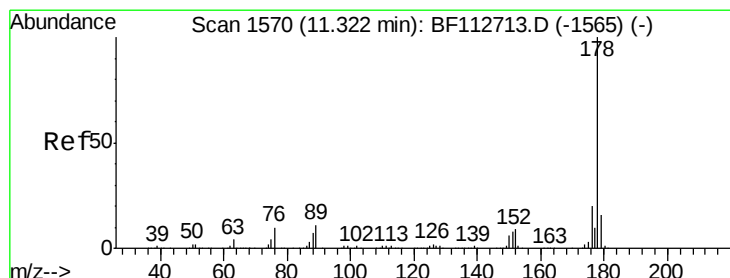
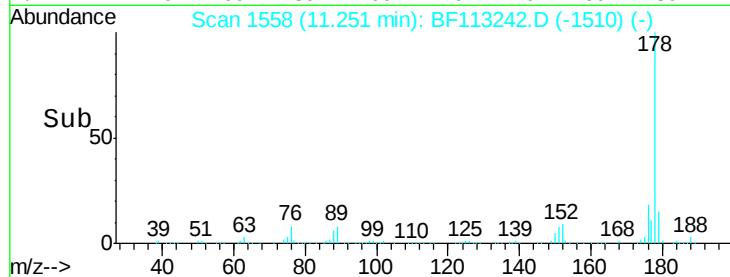
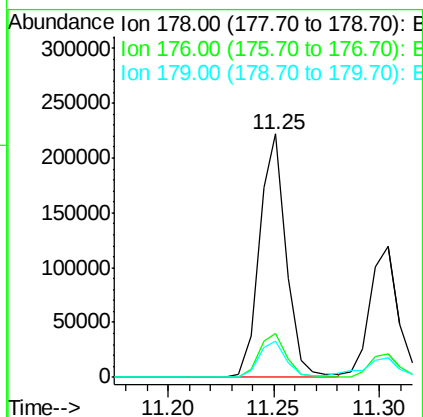
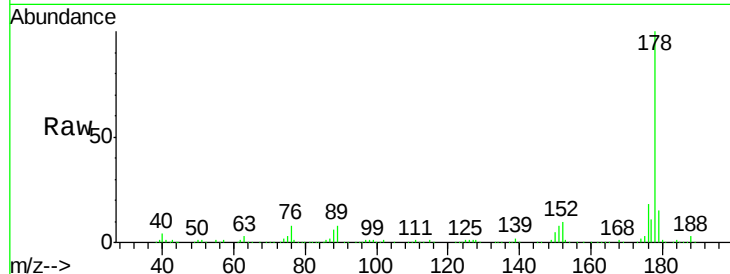
#71
 Phenanthrene
 Concen: 7.215 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.02 min
 Lab File: BF113242.D
 Acq: 22 Mar 2019 18:48

Instrument :
 BNA_F
 ClientSampled :
 CS-2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.3	24.5
179	14.7	12.7	19.1

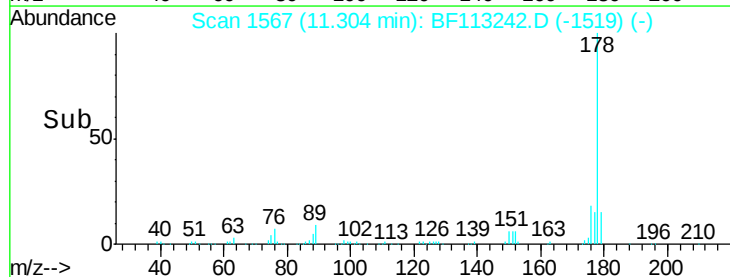
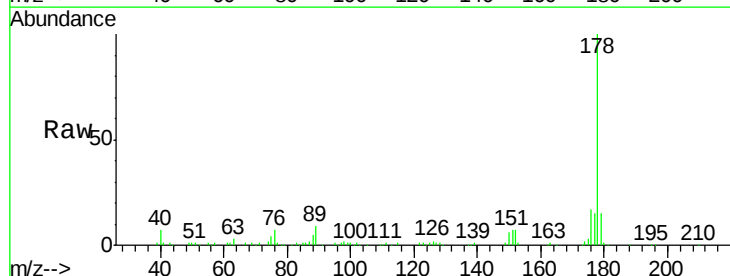
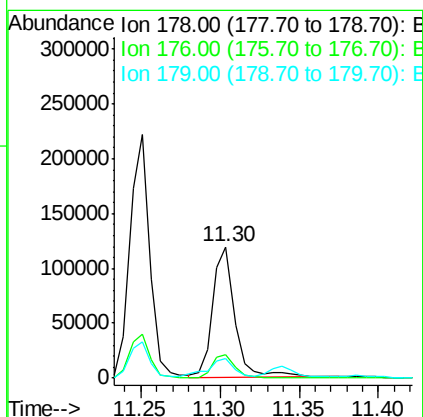
Manual Integrations
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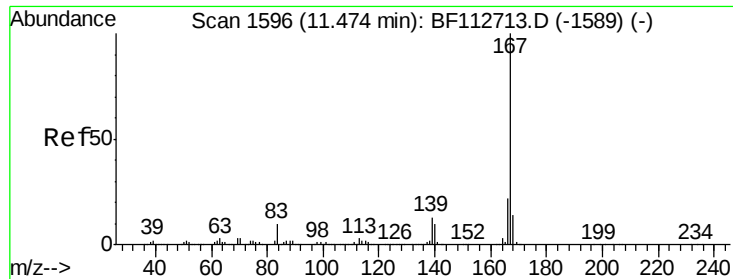
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#72
 Anthracene
 Concen: 4.142 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF113242.D
 Acq: 22 Mar 2019 18:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.8	23.6
179	15.0	13.0	19.6





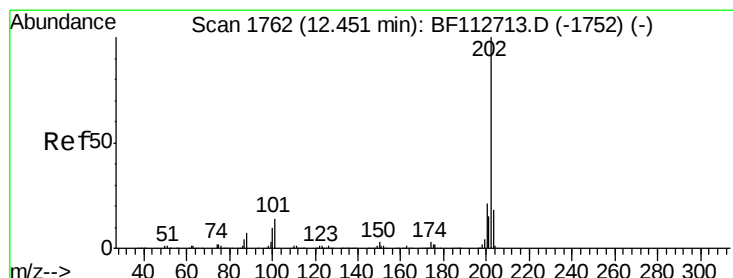
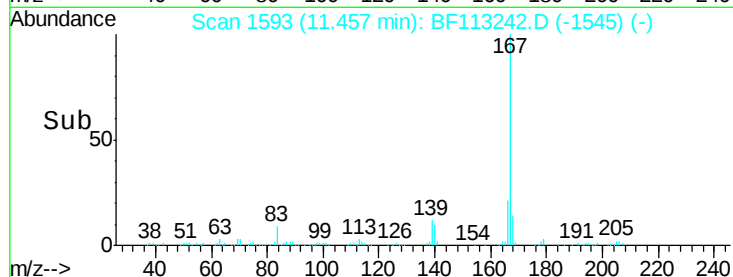
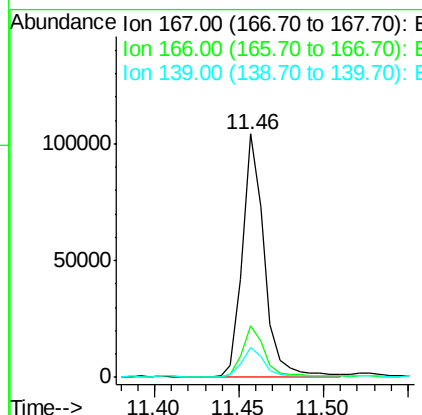
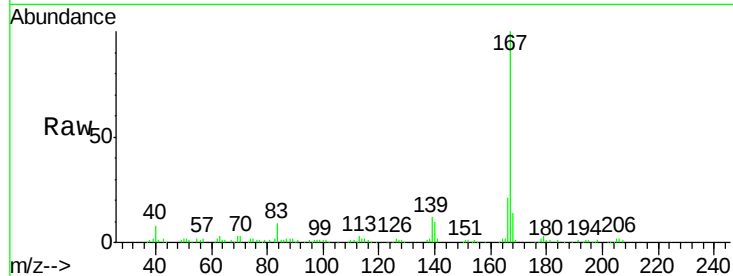
#73
 Carbazole
 Concen: 3.369 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.02 min
 Lab File: BF113242.D
 Acq: 22 Mar 2019 18:48

Instrument :
 BNA_F
 ClientSampled :
 CS-2

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.5	26.3
139	12.0	10.8	16.2

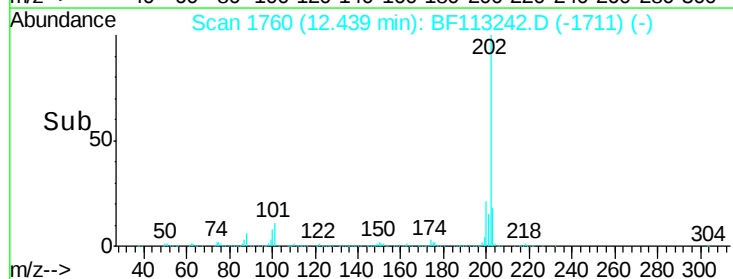
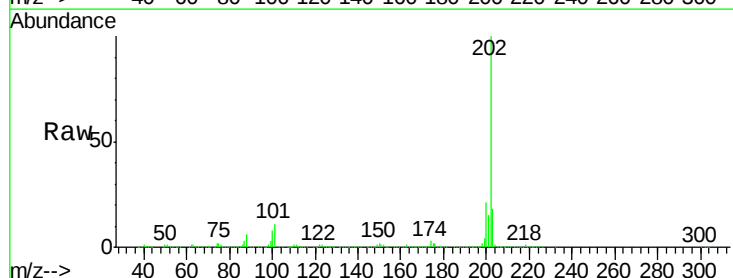
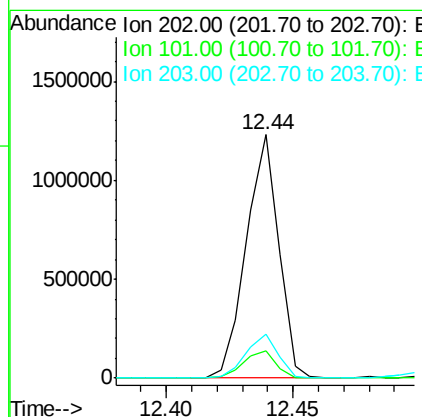
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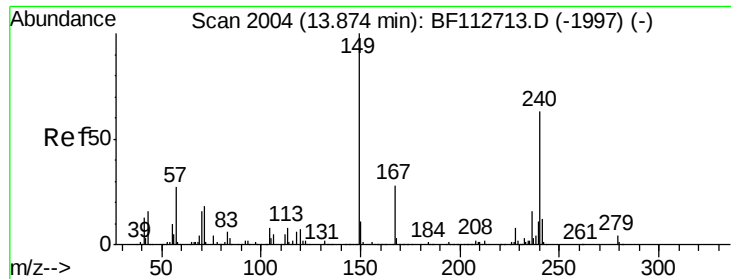
Sohil
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#75
 Fluoranthene
 Concen: 37.904 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BF113242.D
 Acq: 22 Mar 2019 18:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	33.8
203	18.1	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113242.D

Acq: 22 Mar 2019 18:48

Instrument :

BNA_F

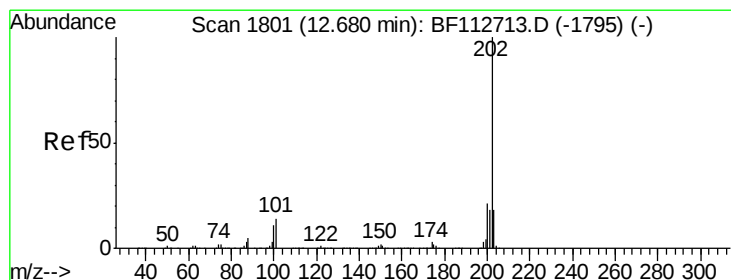
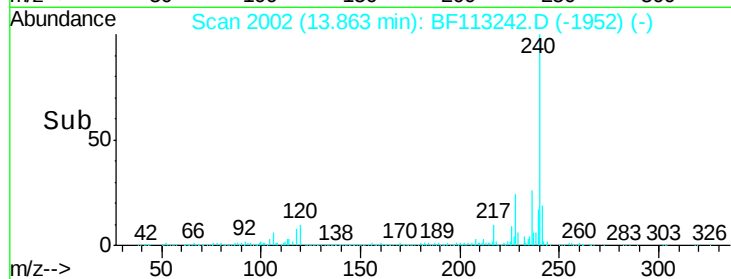
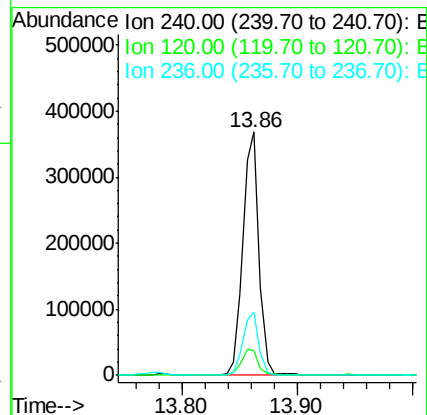
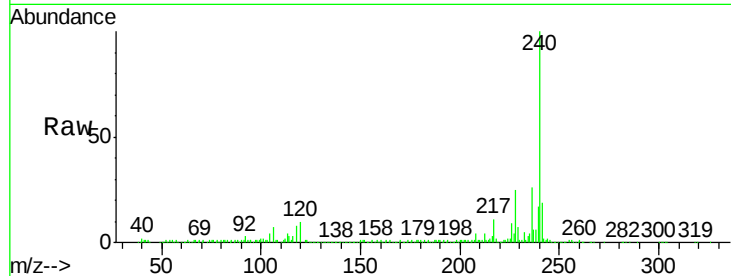
ClientSampled :

CS-2

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	353308		
120	10.1	8.9	13.3	
236	25.9	20.7	31.1	

Manual Integrations
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#78

Pyrene

Concen: 34.565 ng

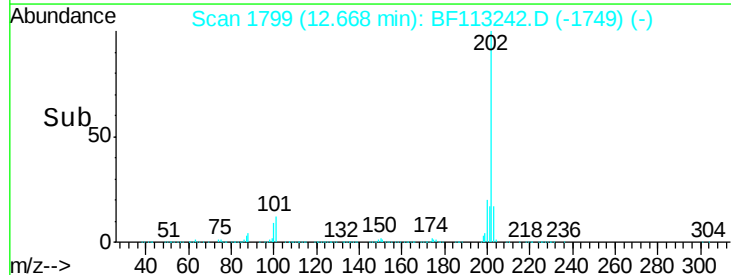
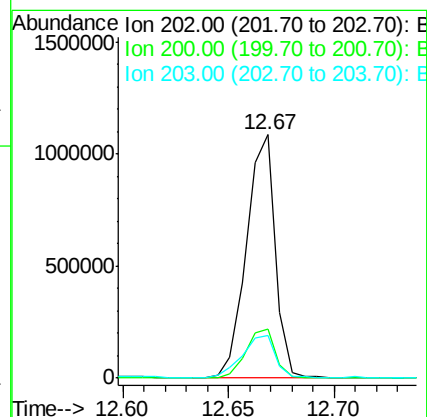
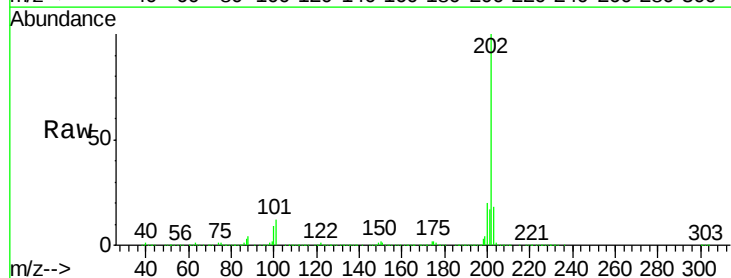
RT: 12.67 min Scan# 1799

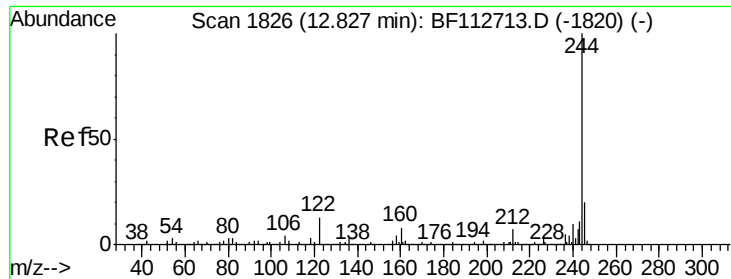
Delta R.T. -0.01 min

Lab File: BF113242.D

Acq: 22 Mar 2019 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1029498		
200	20.3	17.0	25.4	
203	17.7	14.4	21.6	





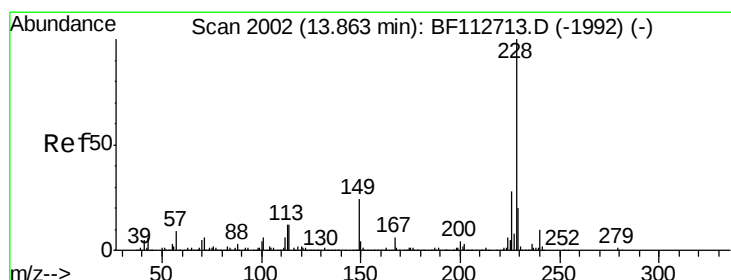
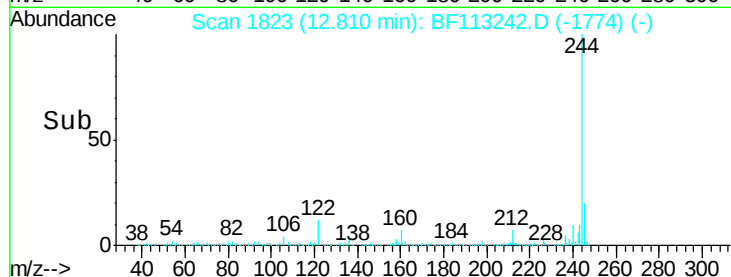
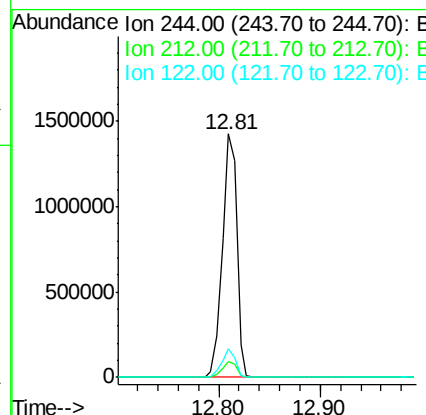
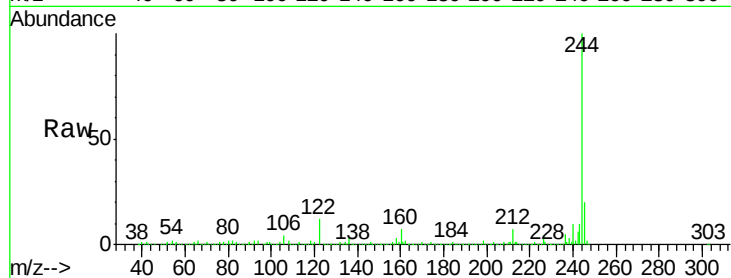
#79
 Terphenyl-d14
 Concen: 77.749 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF113242.D
 Acq: 22 Mar 2019 18:48

Instrument :
 BNA_F
 ClientSampleId :
 CS-2

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.6	10.5	15.7

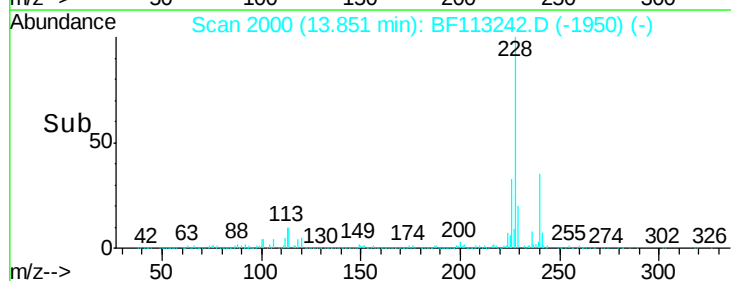
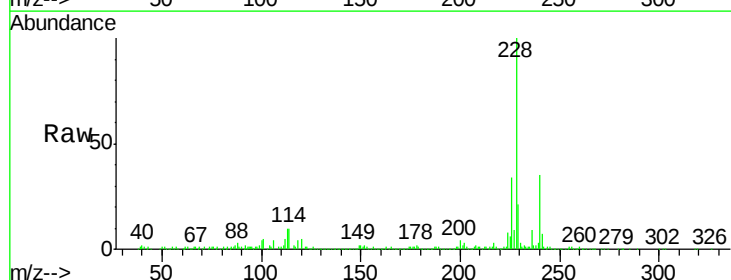
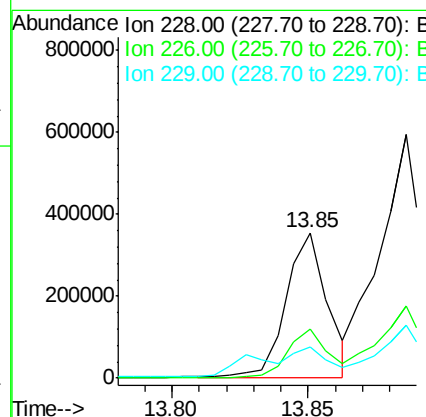
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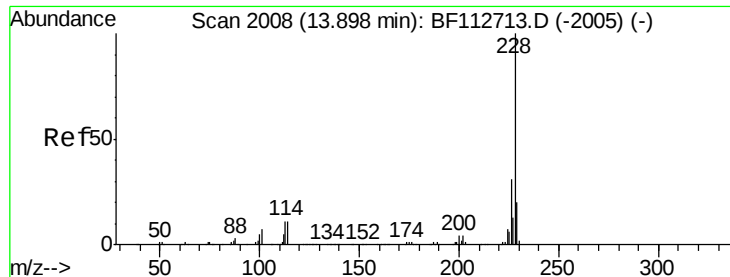
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#81
 Benzo(a)anthracene
 Concen: 15.344 ng m
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF113242.D
 Acq: 22 Mar 2019 18:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.6	22.2	33.4#
229	21.3	16.0	24.0





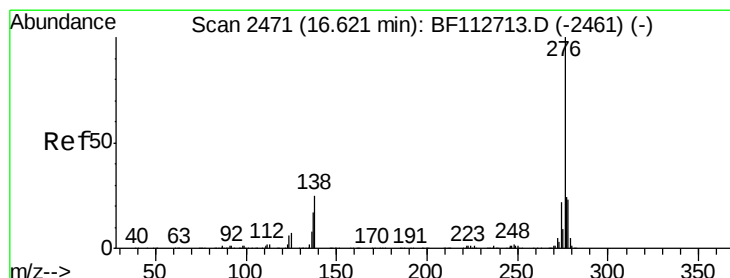
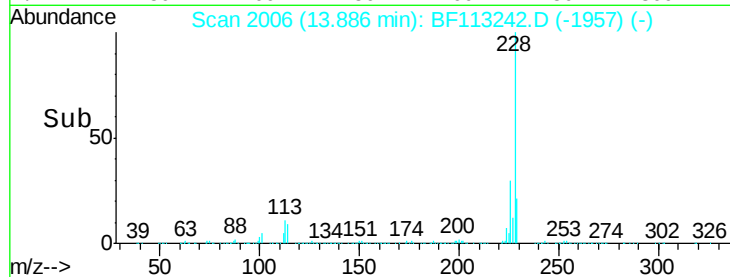
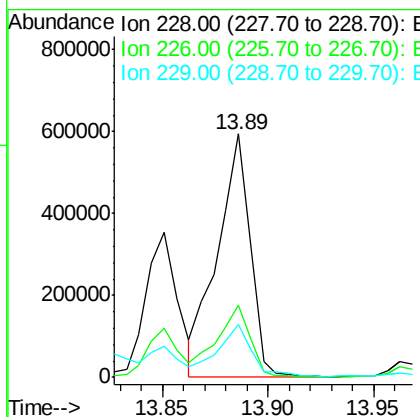
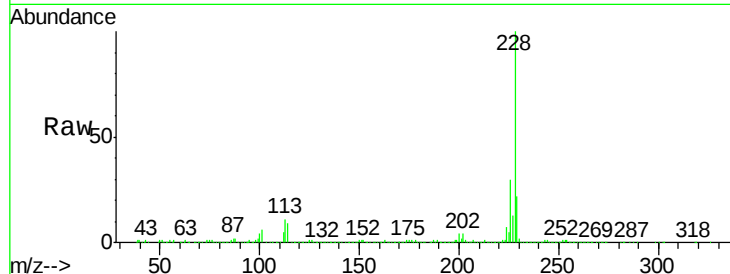
#83
Chrysene
Concen: 26.434 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113242.D
Acq: 22 Mar 2019 18:48

Instrument :
BNA_F
ClientSampleId :
CS-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.8	24.9	37.3
229	21.7	16.3	24.5

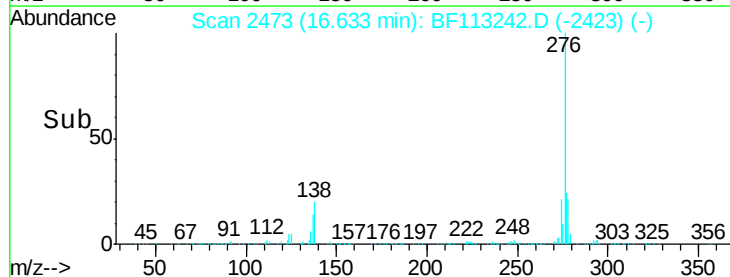
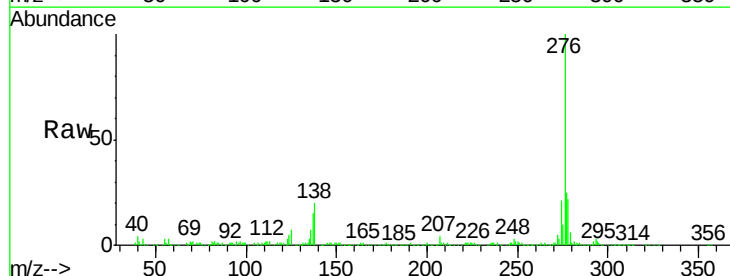
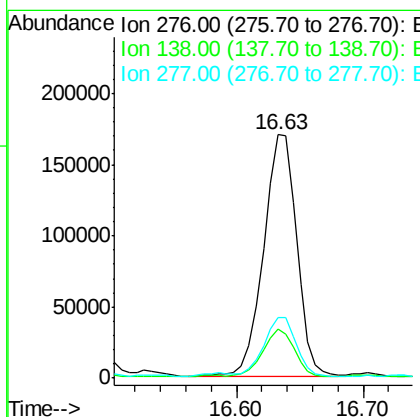
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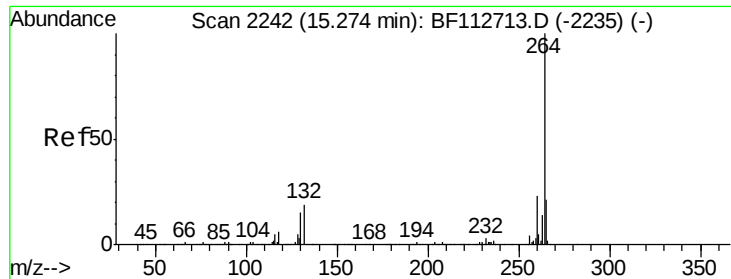
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 15.051 ng
RT: 16.63 min Scan# 2473
Delta R.T. -0.01 min
Lab File: BF113242.D
Acq: 22 Mar 2019 18:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	19.3	23.2	34.8#
277	24.3	19.9	29.9





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2242

Delta R.T. -0.00 min

Lab File: BF113242.D

Acq: 22 Mar 2019 18:48

Instrument :

BNA_F

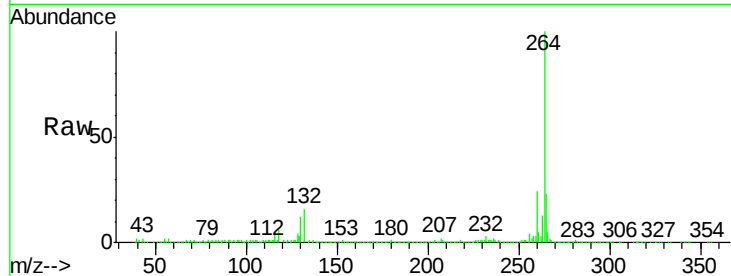
ClientSampled :

CS-2

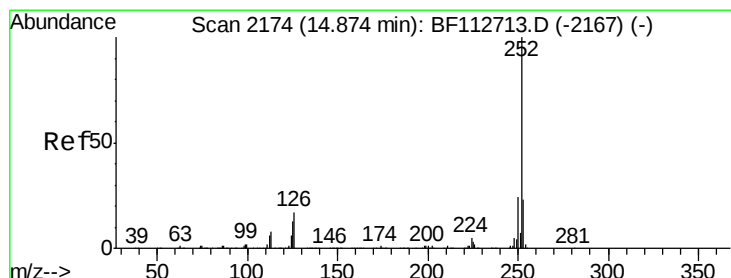
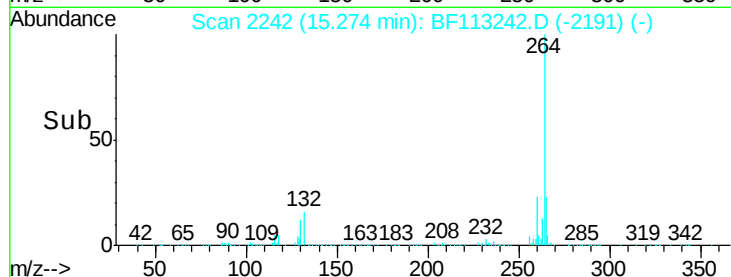
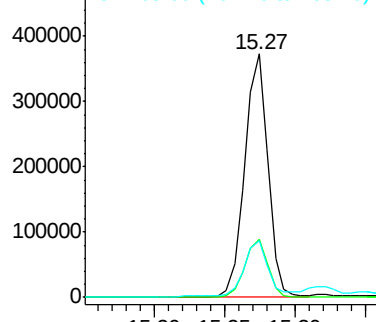
Tgt Ion:	264	Resp:	430881
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.7	28.1
265	23.3	17.2	25.8

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



#88

Benzo(b)fluoranthene

Concen: 37.826 ng m

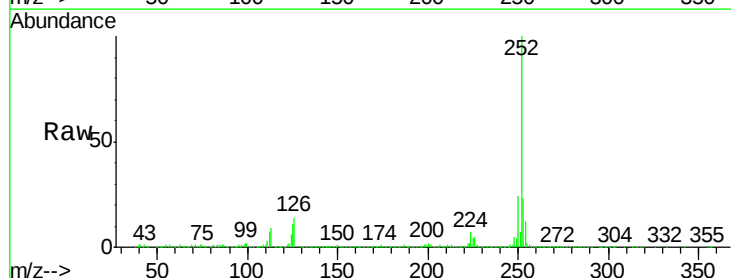
RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

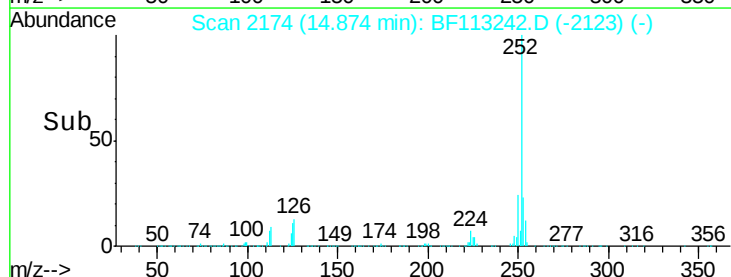
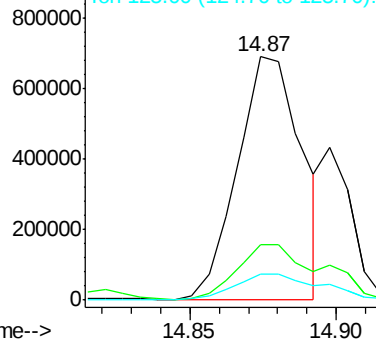
Lab File: BF113242.D

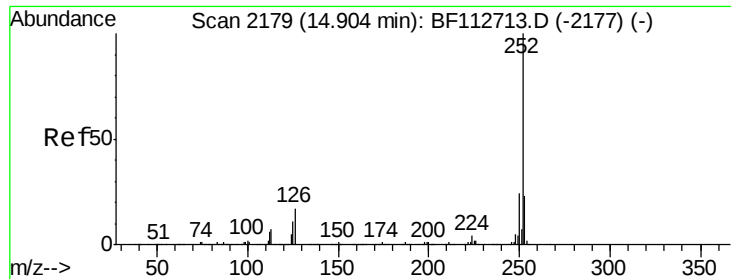
Acq: 22 Mar 2019 18:48

Tgt Ion:	252	Resp:	1054232
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.0	27.0
125	10.9	10.2	15.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 11.954 ng m

RT: 14.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BF113242.D

Acq: 22 Mar 2019 18:48

Instrument :

BNA_F

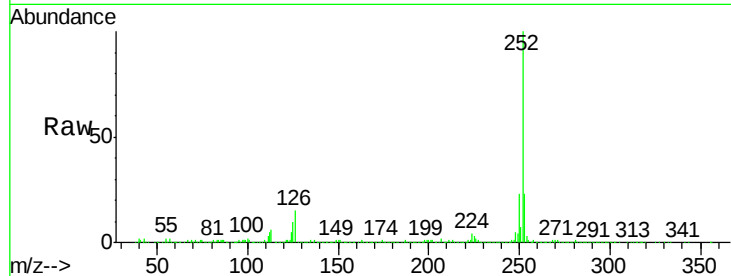
ClientSampled :

CS-2

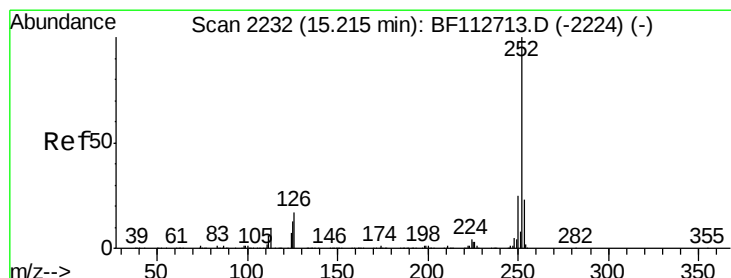
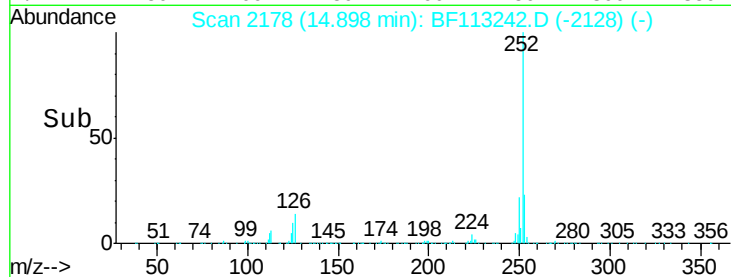
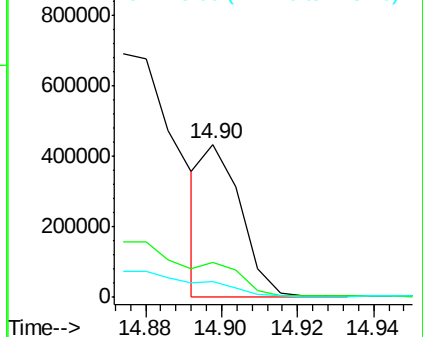
Tgt Ion:	252	Resp:	301776
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.2	27.2
125	10.1	9.8	14.6

Manual Integrations
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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



#90

Benzo(a)pyrene

Concen: 15.857 ng m

RT: 15.22 min Scan# 2232

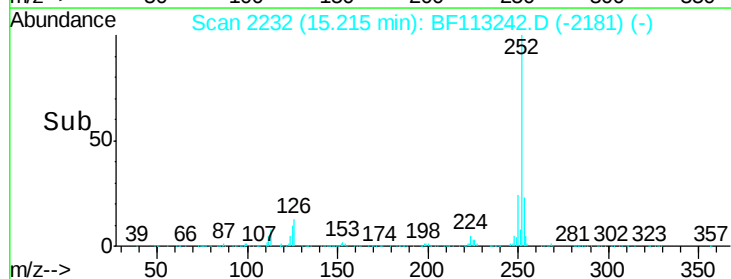
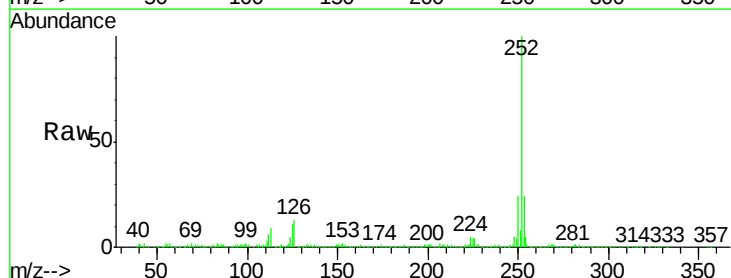
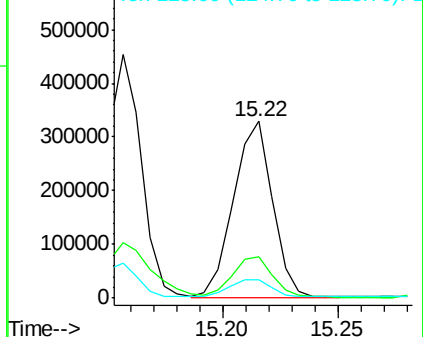
Delta R.T. -0.00 min

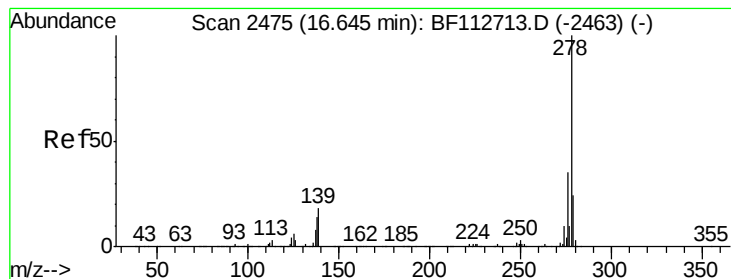
Lab File: BF113242.D

Acq: 22 Mar 2019 18:48

Tgt Ion:	252	Resp:	390917
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.0	27.0
125	10.5	10.7	16.1#

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





#91

Dibenzo(a,h)anthracene

Concen: 3.485 ng m

RT: 16.64 min Scan# 2474

Delta R.T. -0.01 min

Lab File: BF113242.D

Acq: 22 Mar 2019 18:48

Instrument :

BNA_F

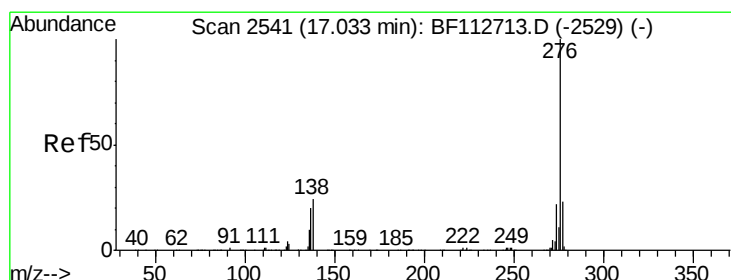
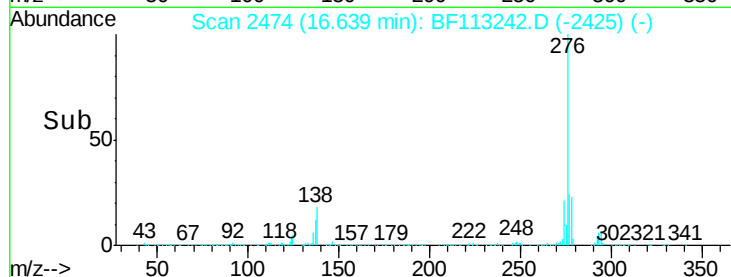
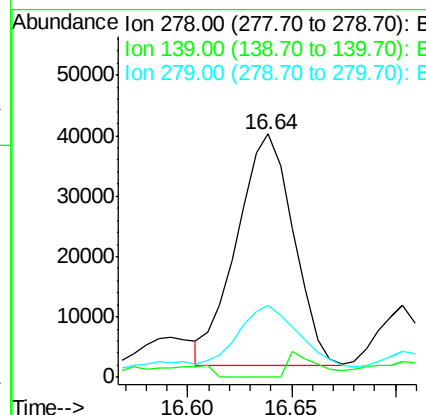
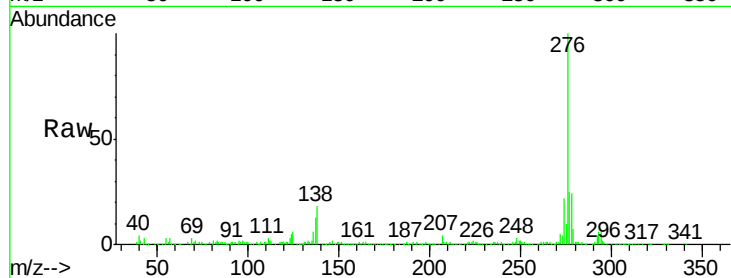
ClientSampled :

CS-2

Tgt Ion:	278	Resp:	73304
Ion Ratio	Lower	Upper	
278	100		
139	0.0	14.3	21.5#
279	29.4	19.4	29.0#

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 12.527 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.00 min

Lab File: BF113242.D

Acq: 22 Mar 2019 18:48

Tgt Ion:	276	Resp:	264613
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.6	27.8
138	19.3	19.4	29.0#

