

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032319\
 Data File : BF113255.D
 Acq On : 23 Mar 2019 11:24
 Operator : JU/SJ
 Sample : K2050-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-3

Manual Integrations
 APPROVED

Sohil
 3/25/2019 12:48:14 PM

Quant Time: Mar 23 23:02:09 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	6.71	152	199614	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	759169	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	405714	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	823404	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	556484	20.00	ng	-0.01
87) Perylene-d12	15.27	264	492809	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1333584	103.92	ng	0.00
7) Phenol-d6	6.37	99	1814908	112.59	ng	0.00
23) Nitrobenzene-d5	7.28	82	1164705	91.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	593754	137.85	ng	-0.01
45) 2-Fluorobiphenyl	9.07	172	1663938	63.58	ng	-0.02
79) Terphenyl-d14	12.81	244	1661710	57.89	ng	-0.01
Target Compounds						
10) Phenol	6.38	94	115215	6.125	ng	88
32) Benzoic acid	7.80	122	239312	31.223	ng	93
50) Dimethylphthalate	9.46	163	239739	8.014	ng	100
71) Phenanthrene	11.25	178	103406	2.524	ng	96
75) Fluoranthene	12.43	202	628388	14.317	ng	97
78) Pyrene	12.66	202	553389	11.796	ng	99
81) Benzo(a)anthracene	13.85	228	215085	5.577	ng	94
83) Chrysene	13.89	228	359394	9.513	ng	98
86) Indeno(1,2,3-cd)pyrene	16.63	276	184994	5.744	ng	# 91
88) Benzo(b)fluoranthene	14.87	252	564464m	17.708	ng	
89) Benzo(k)fluoranthene	14.89	252	149539m	5.179	ng	
90) Benzo(a)pyrene	15.21	252	201024	7.130	ng	98
91) Dibenzo(a,h)anthracene	16.63	278	50875m	2.115	ng	
92) Benzo(g,h,i)perylene	17.03	276	165671	6.858	ng	94

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

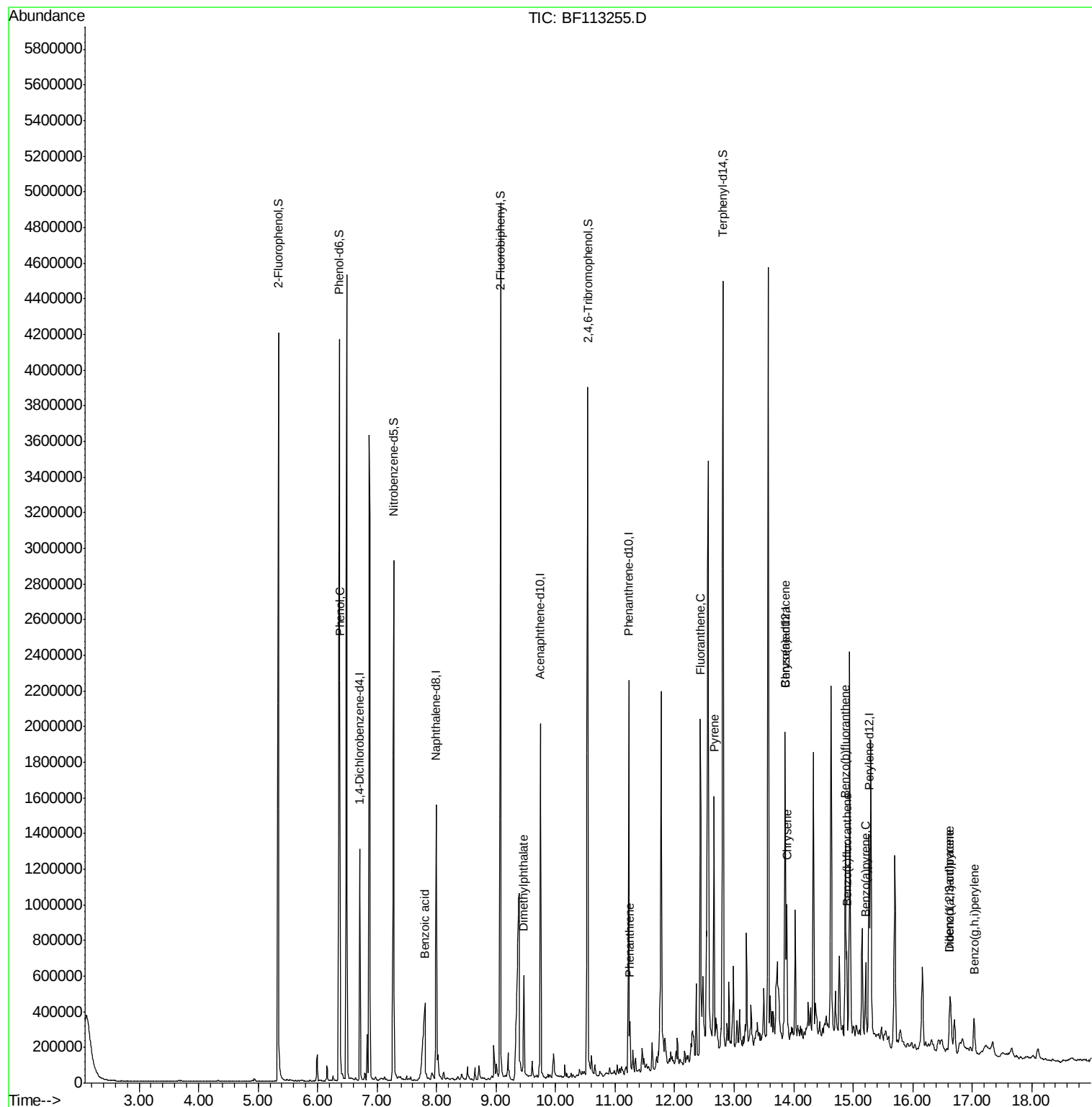
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032319\
Data File : BF113255.D
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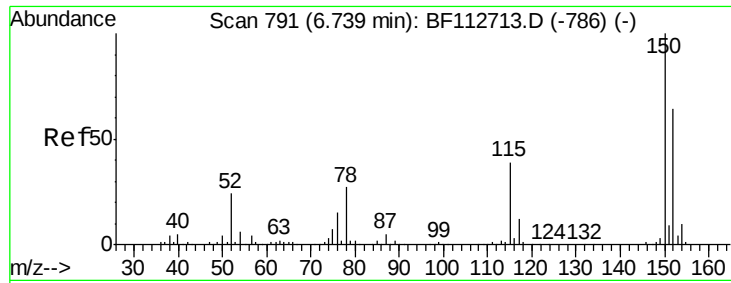
Instrument :
BNA_F
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CS-3

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
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#1

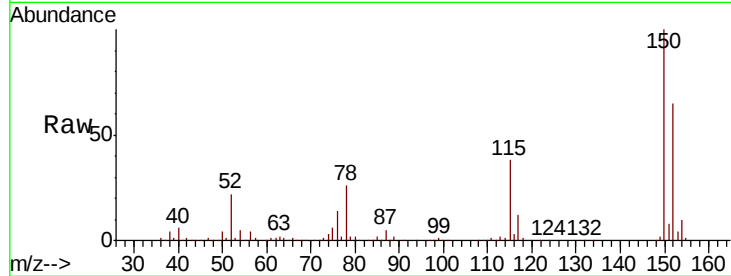
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF113255.D
Acq: 23 Mar 2019 11:24

Instrument :
BNA_F
ClientSampled :
CS-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.2	186.2
115	59.2	48.2	72.4

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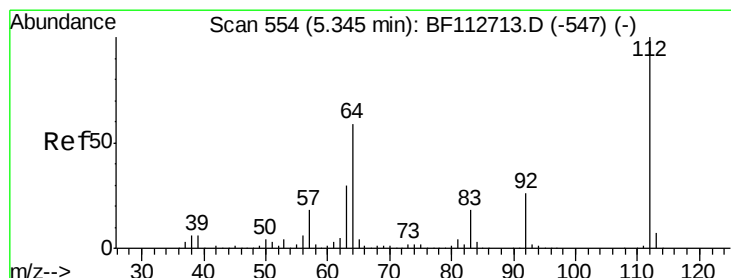
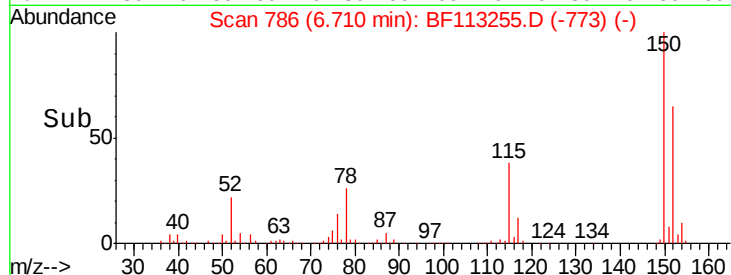
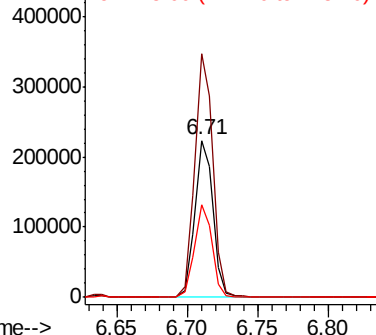


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

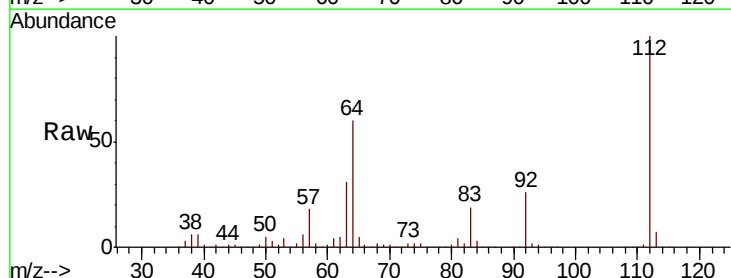
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.923 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113255.D
Acq: 23 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.6	71.4
63	31.0	24.4	36.6

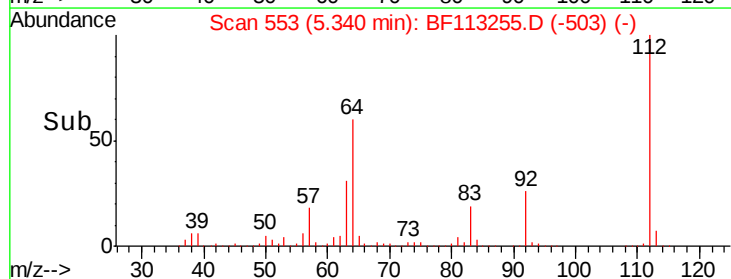
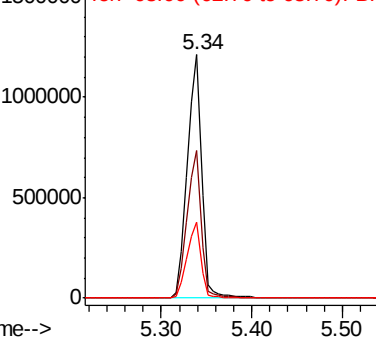


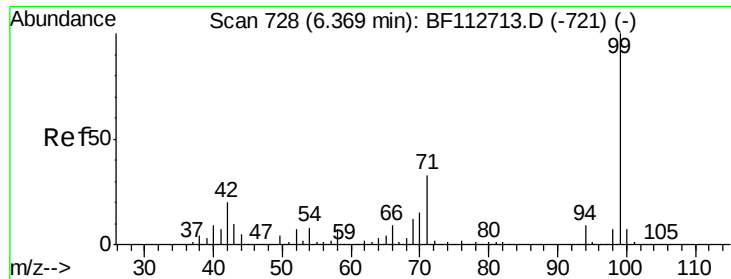
Abundance

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: 112.590 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113255.D

Acq: 23 Mar 2019 11:24

Instrument :

BNA_F

ClientSampled :

CS-3

Tot Ion: 99 Resp: 1814908

Ion Ratio Lower Upper

99 100

42 19.0 16.3 24.5

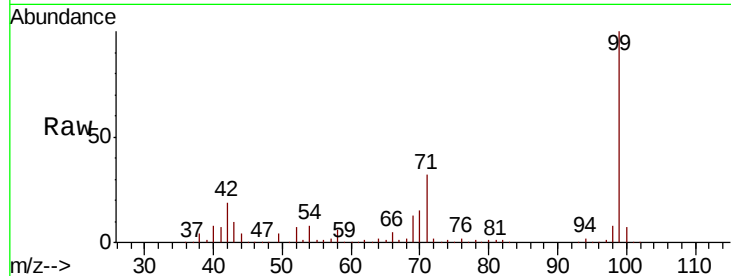
71 32.4 26.2 39.4

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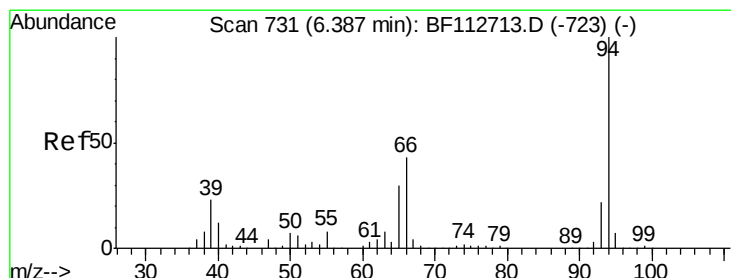
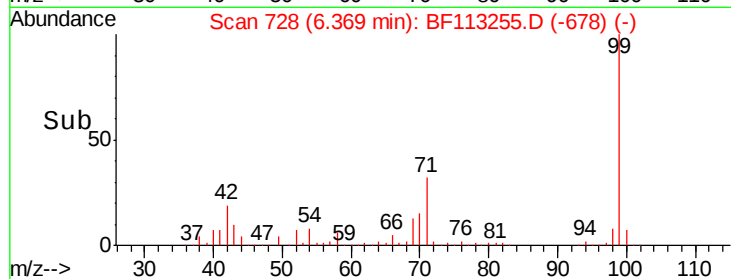
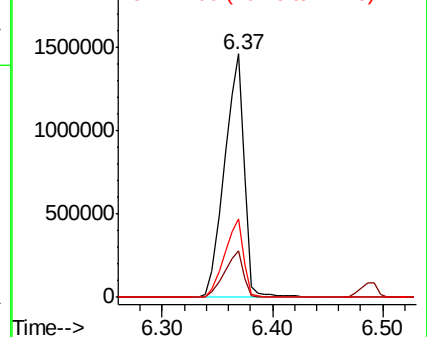
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Abundance Ion 99.00 (98.70 to 99.70): BF1
2000000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.125 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF113255.D

Acq: 23 Mar 2019 11:24

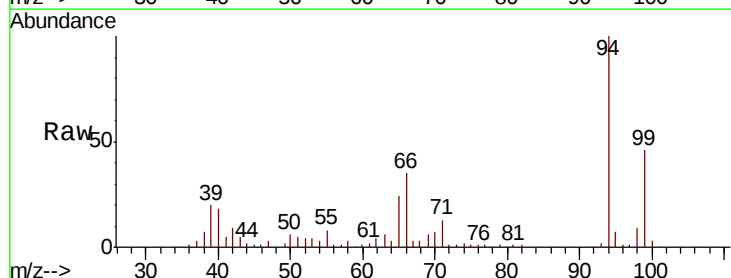
Tgt Ion: 94 Resp: 115215

Ion Ratio Lower Upper

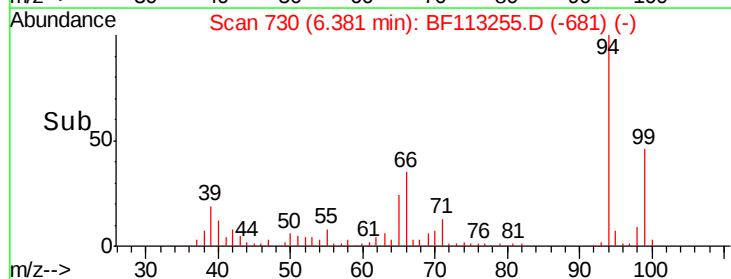
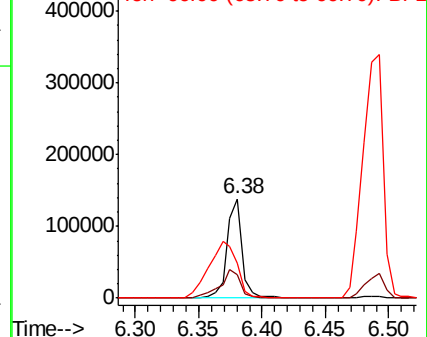
94 100

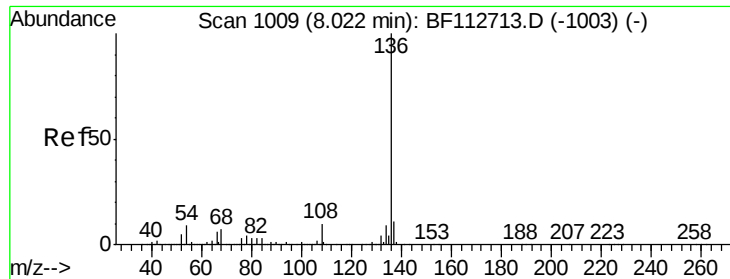
65 24.1 10.5 50.5

66 34.6 22.6 62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
400000
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF113255.D

Acq: 23 Mar 2019 11:24

Instrument :

BNA_F

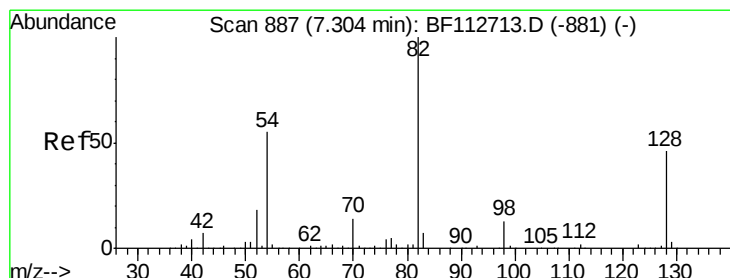
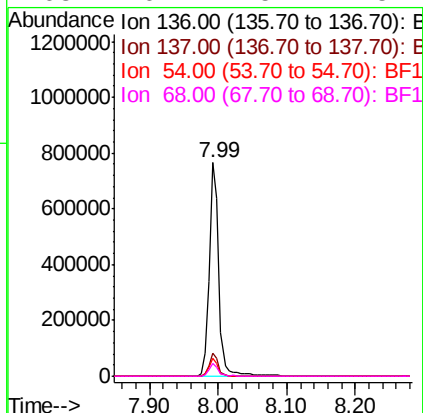
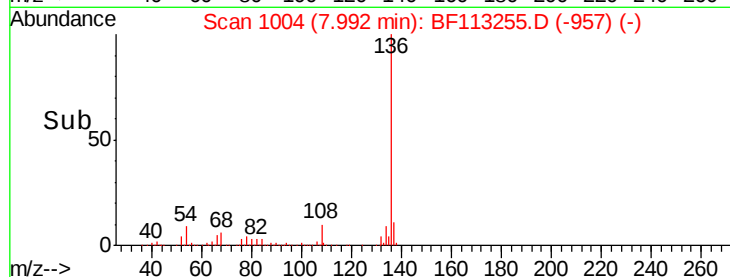
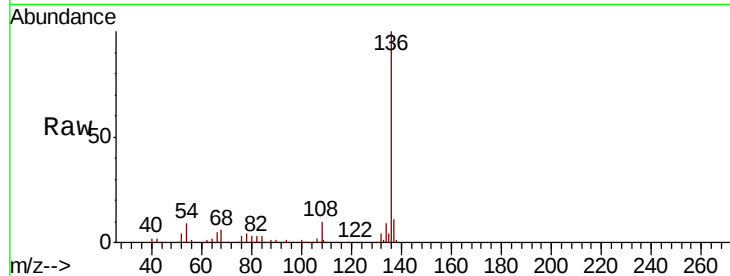
ClientSampled :

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Tot Ion	Ratio	Resp	Lower	Upper
136	100	759169		
137	11.1		8.9	13.3
54	8.6		7.3	10.9
68	6.2		5.4	8.2

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#23

Nitrobenzene-d5

Concen: 91.802 ng

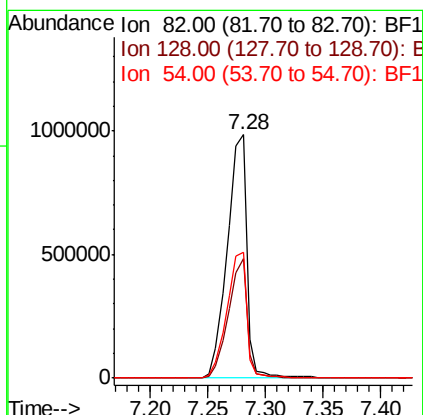
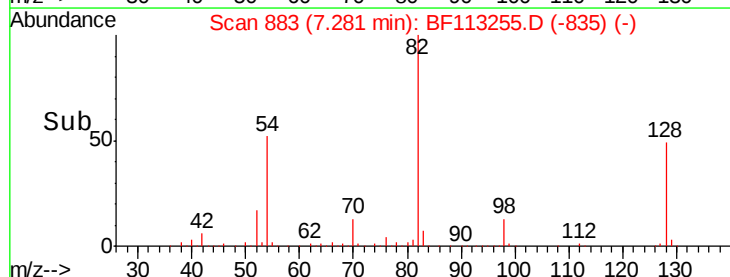
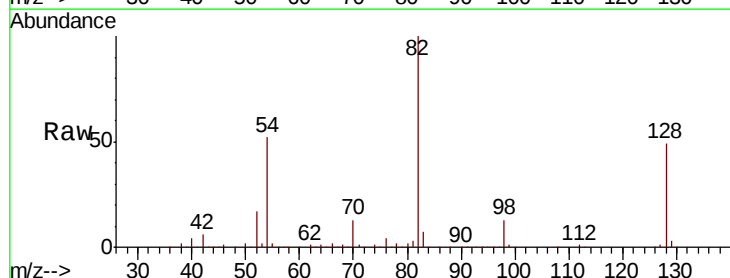
RT: 7.28 min Scan# 883

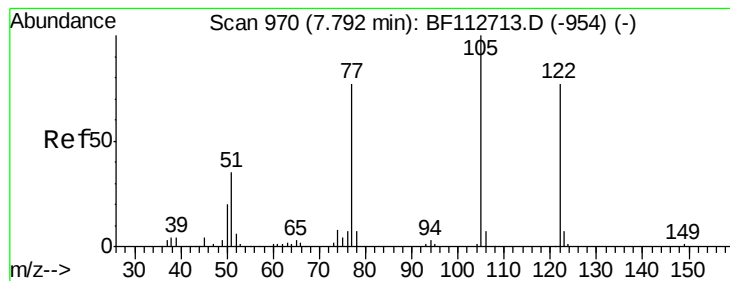
Delta R.T. -0.02 min

Lab File: BF113255.D

Acq: 23 Mar 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1164705		
128	49.3		36.3	54.5
54	51.7		43.7	65.5





#32

Benzoic acid

Concen: 31.223 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF113255.D

Acq: 23 Mar 2019 11:24

Instrument :

BNA_F

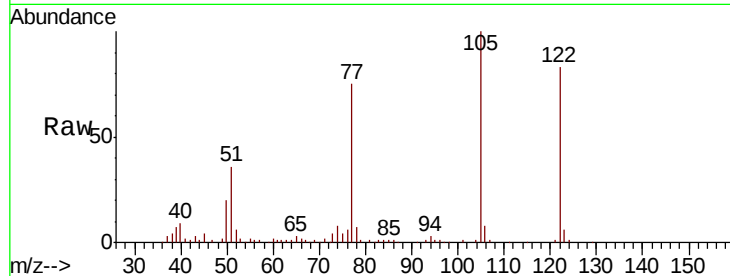
ClientSampled :

CS-3

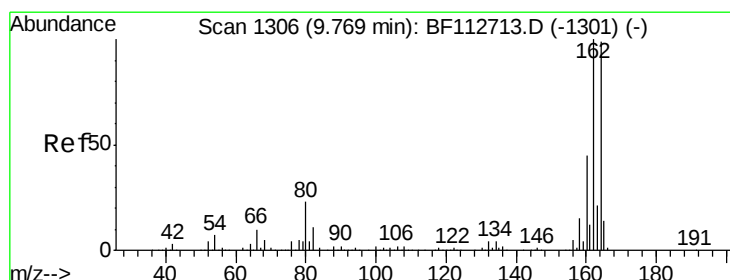
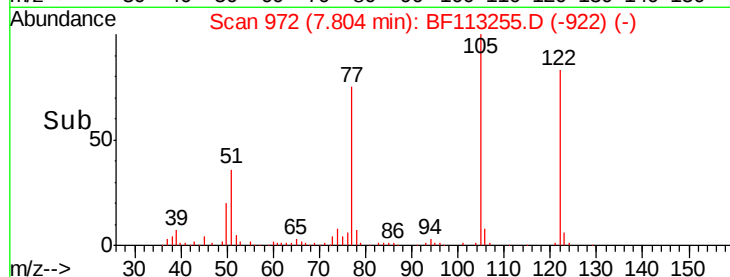
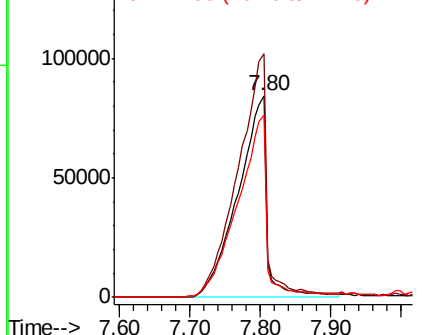
Tot Ion:	122	Resp:	239312
Ion Ratio	Lower	Upper	
122	100		
105	120.8	106.8	146.8
77	90.3	79.4	119.4

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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

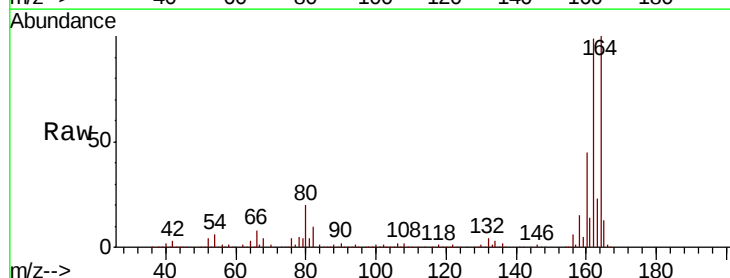
RT: 9.75 min Scan# 1302

Delta R.T. -0.02 min

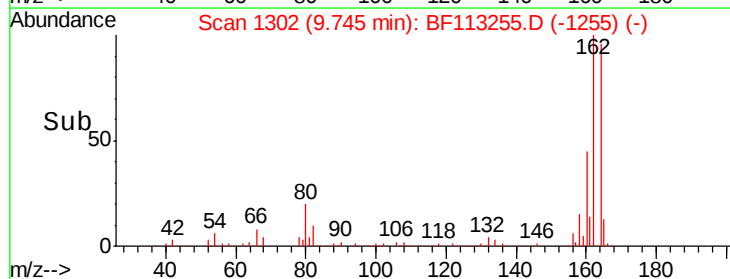
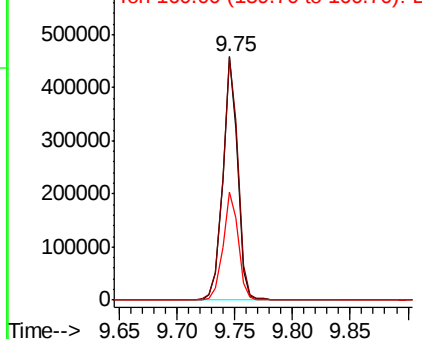
Lab File: BF113255.D

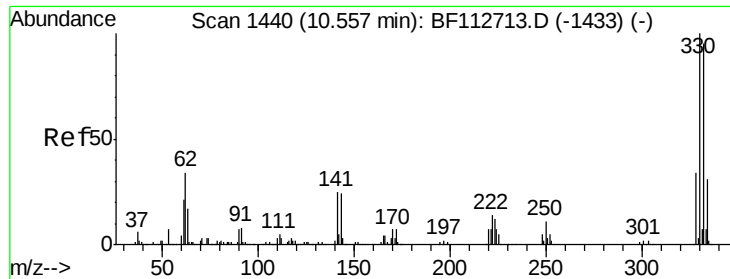
Acq: 23 Mar 2019 11:24

Tgt Ion:	164	Resp:	405714
Ion Ratio	Lower	Upper	
164	100		
162	99.5	80.6	120.8
160	44.6	36.0	54.0



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





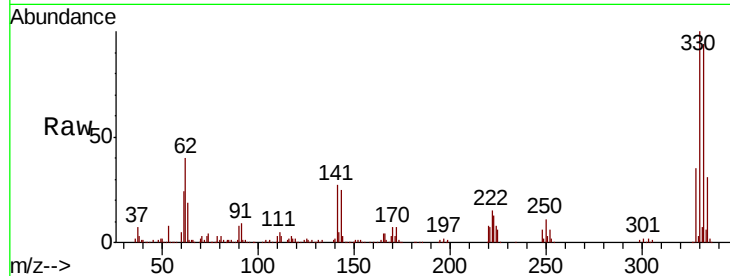
#42
 2,4,6-Tribromophenol
 Concen: 137.853 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113255.D
 Acq: 23 Mar 2019 11:24

Instrument :
 BNA_F
 ClientSampleId :
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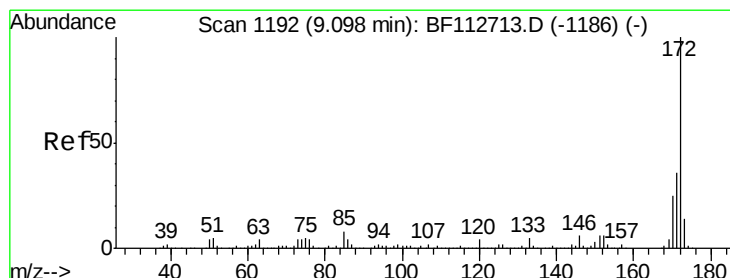
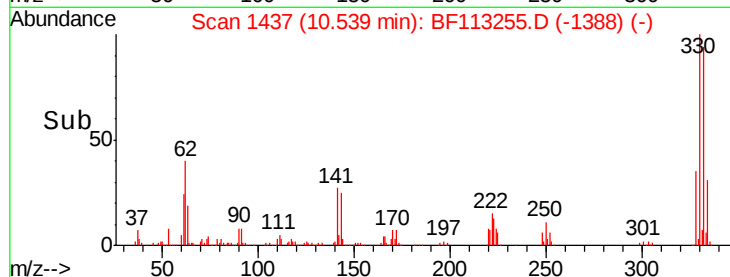
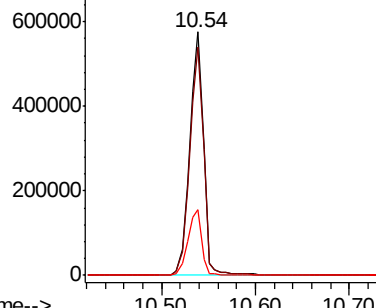
Tot Ion:	330	Resp:	593754
Ion Ratio	Lower	Upper	
330	100		
332	94.9	76.2	114.4
141	27.8	27.0	40.6

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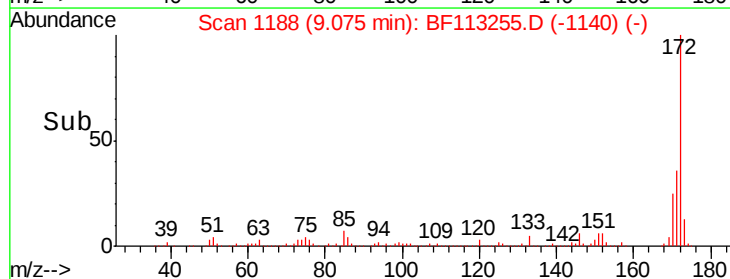
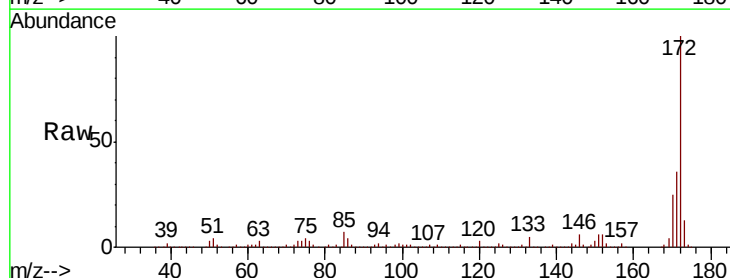
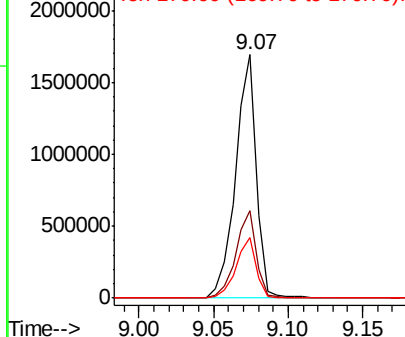
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

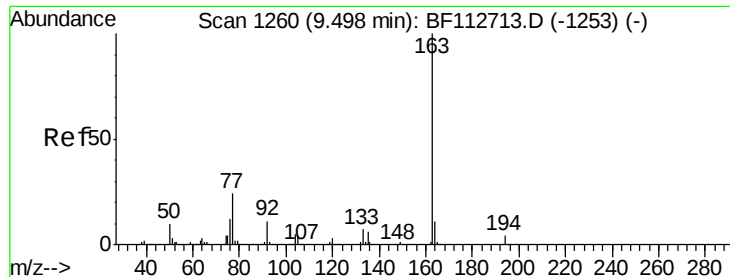


#45
 2-Fluorobiphenyl
 Concen: 63.583 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF113255.D
 Acq: 23 Mar 2019 11:24

Tgt Ion:	172	Resp:	1663938
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.0	43.4
170	24.9	20.0	30.0

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





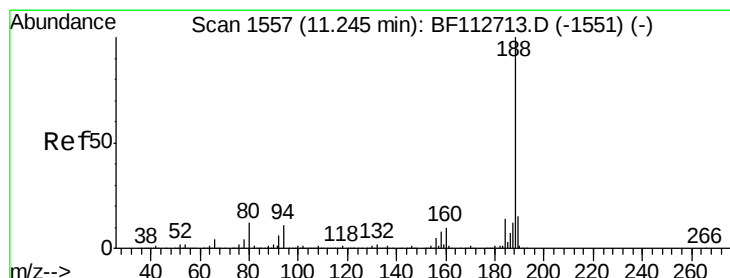
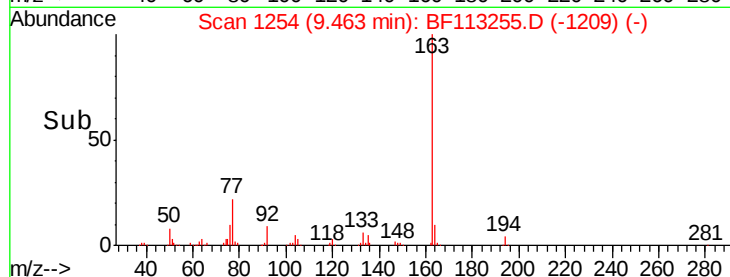
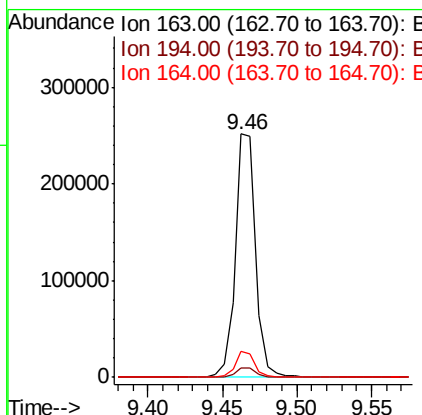
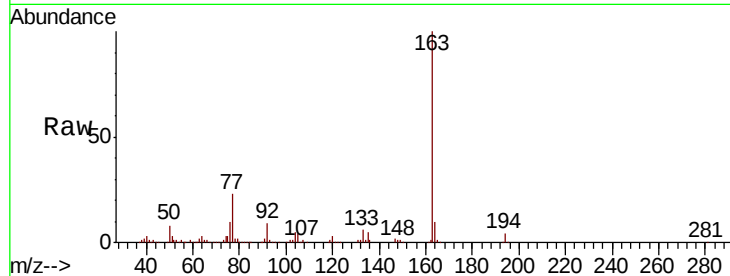
#50
Dimethylphthalate
Concen: 8.014 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.04 min
Lab File: BF113255.D
Acq: 23 Mar 2019 11:24

Instrument :
BNA_F
ClientSampleId :
CS-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		239739		
194	3.6		3.0	4.4	
164	10.5		8.4	12.6	

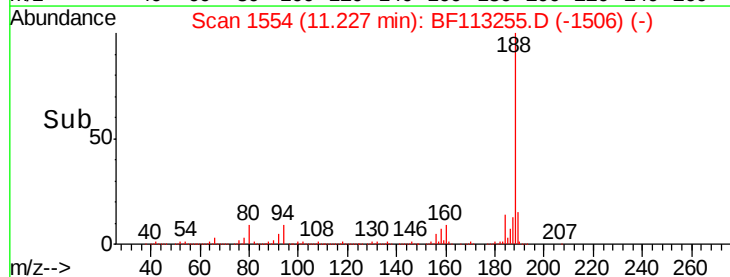
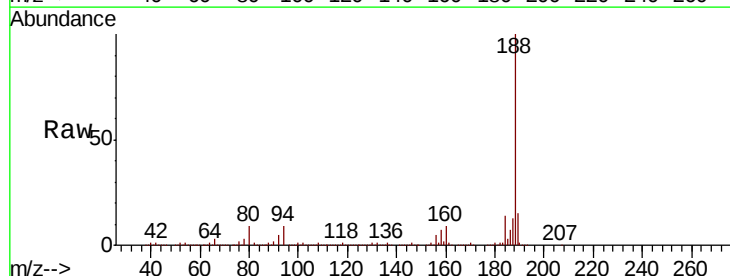
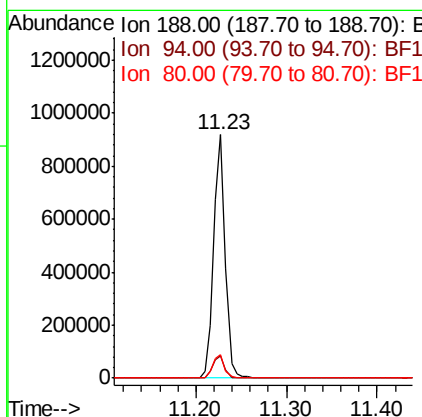
Manual Integrations
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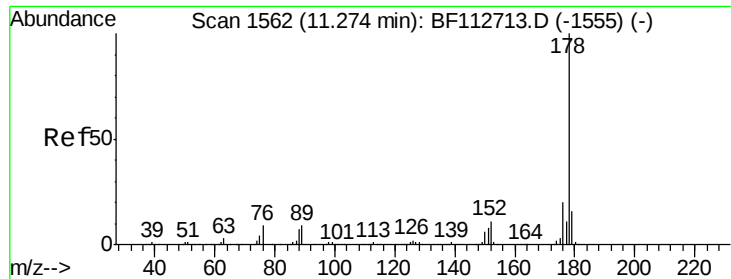
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF113255.D
Acq: 23 Mar 2019 11:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		823404		
94	9.2		9.0	13.4	
80	9.5		9.2	13.8	





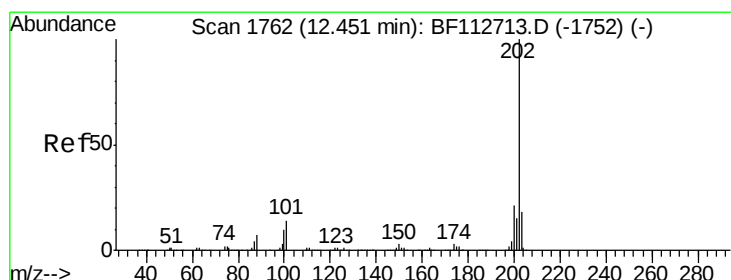
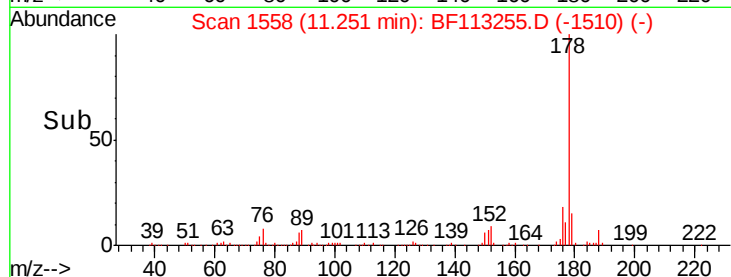
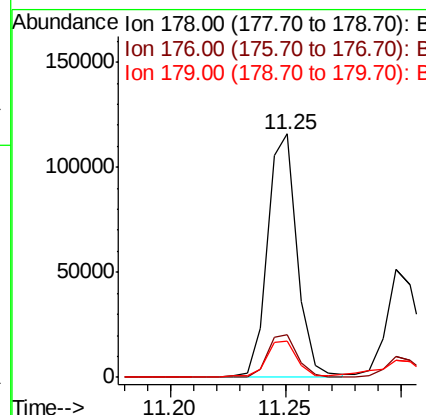
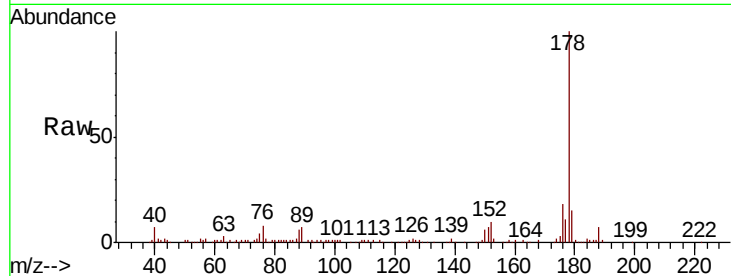
#71
Phenanthrene
Concen: 2.524 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF113255.D
Acq: 23 Mar 2019 11:24

Instrument :
BNA_F
ClientSampleId :
CS-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	16.3	24.5
179	15.1	12.7	19.1

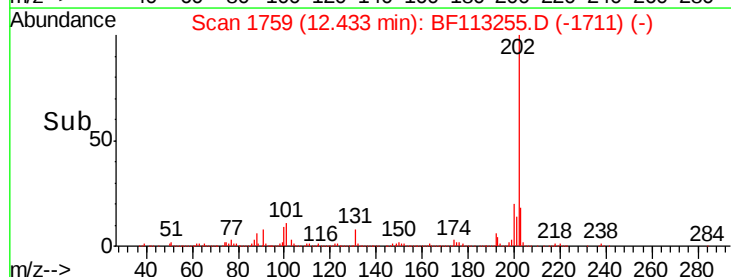
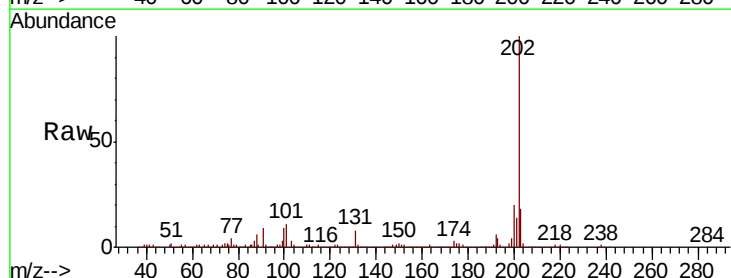
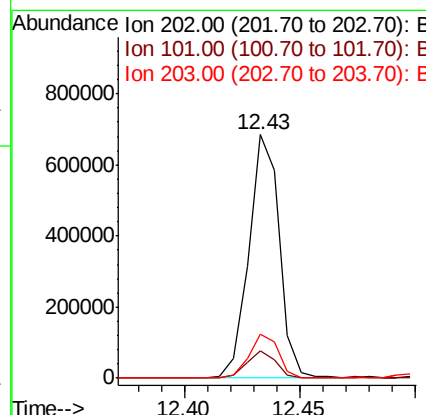
Manual Integrations
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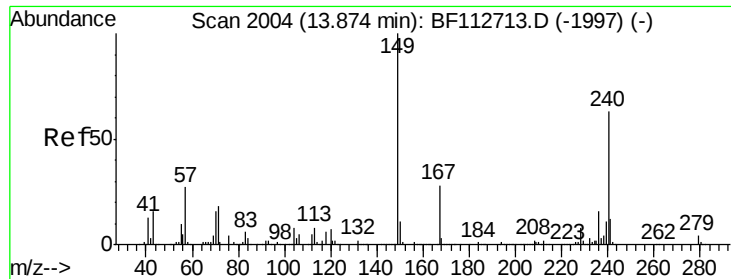
Sohil
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#75
Fluoranthene
Concen: 14.317 ng
RT: 12.43 min Scan# 1759
Delta R.T. -0.02 min
Lab File: BF113255.D
Acq: 23 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	33.8
203	18.2	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF113255.D

Acq: 23 Mar 2019 11:24

Instrument :

BNA_F

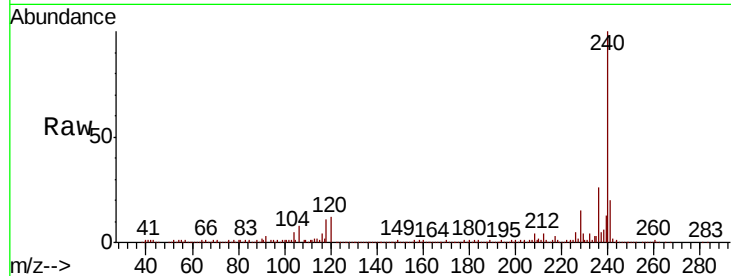
ClientSampled :

CS-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.9	13.3
236	25.5	20.7	31.1

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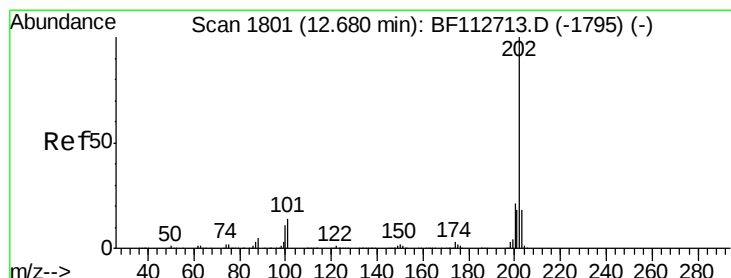
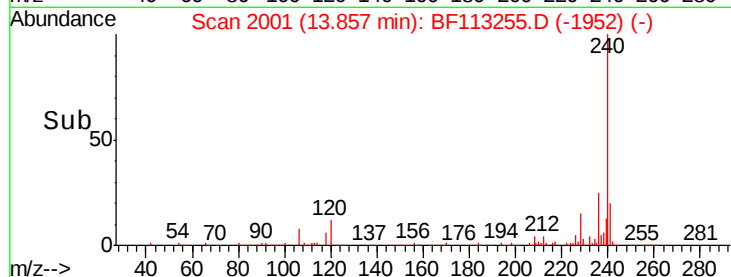
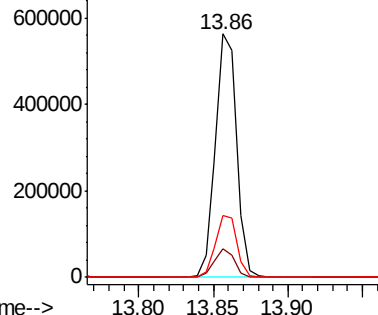


Abundance

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

Pyrene

Concen: 11.796 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF113255.D

Acq: 23 Mar 2019 11:24

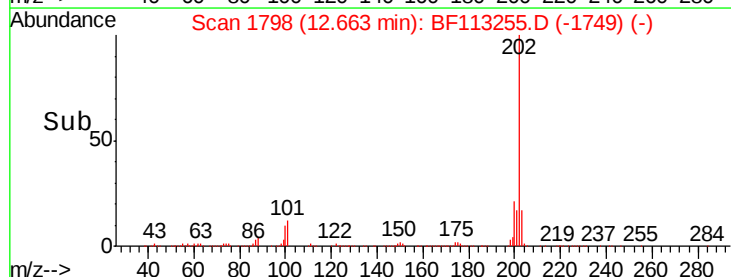
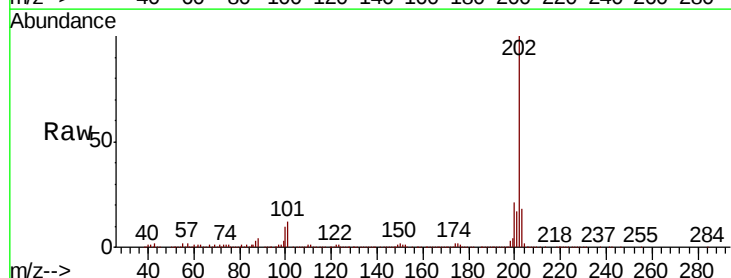
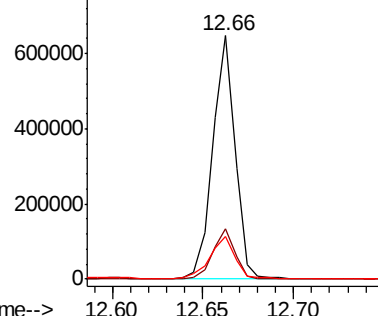
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.4
203	17.5	14.4	21.6

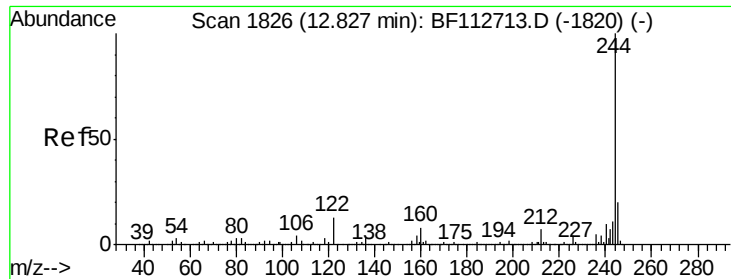
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





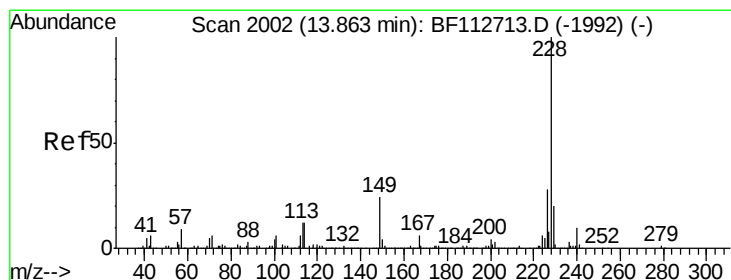
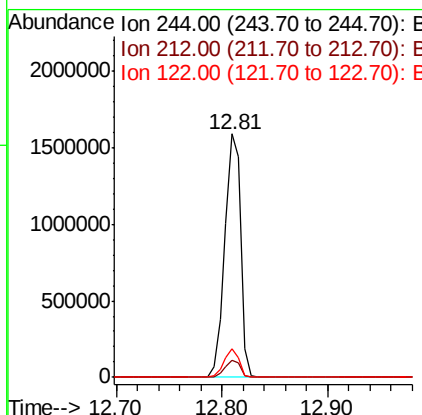
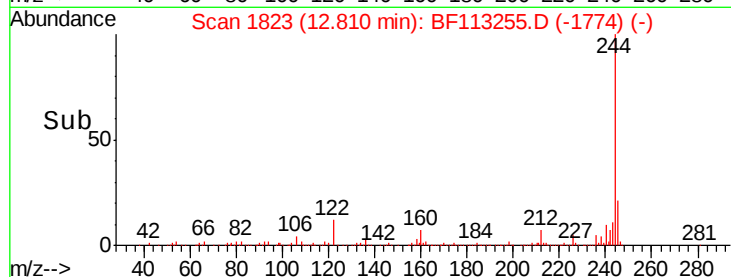
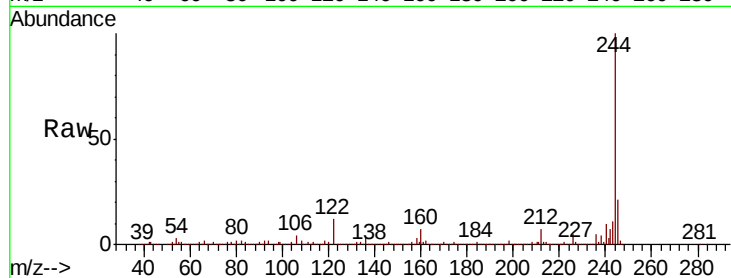
#79
 Terphenyl-d14
 Concen: 57.885 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF113255.D
 Acq: 23 Mar 2019 11:24

Instrument :
 BNA_F
 ClientSampleId :
 CS-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	11.9	10.5	15.7

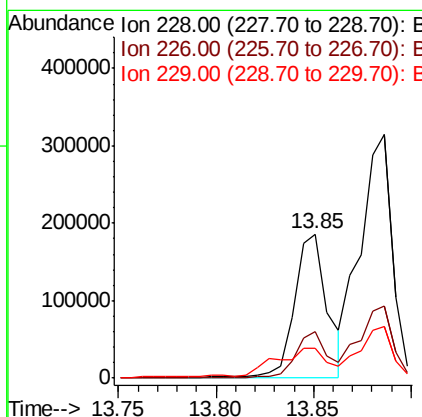
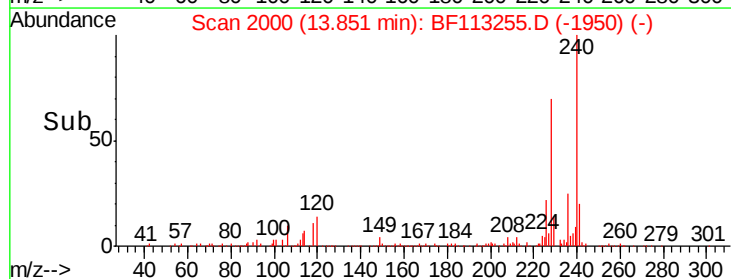
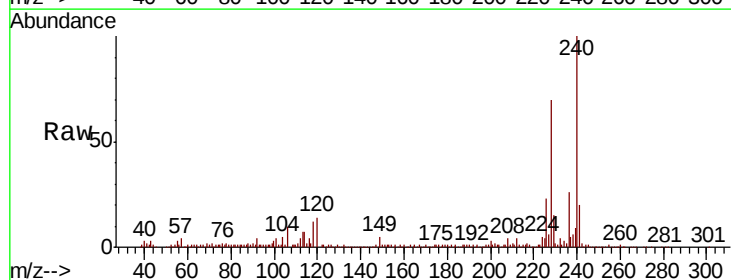
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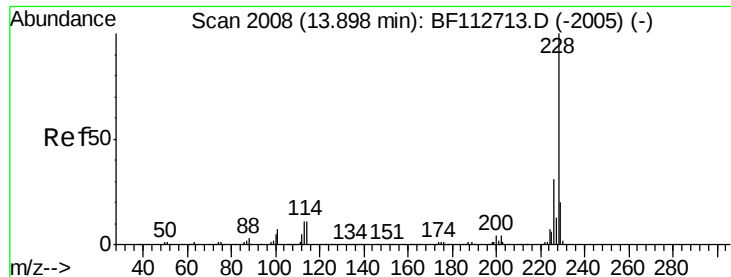
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#81
 Benzo(a)anthracene
 Concen: 5.577 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF113255.D
 Acq: 23 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.2	33.4
229	21.2	16.0	24.0





#83

Chrysene

Concen: 9.513 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF113255.D

Acq: 23 Mar 2019 11:24

Instrument :

BNA_F

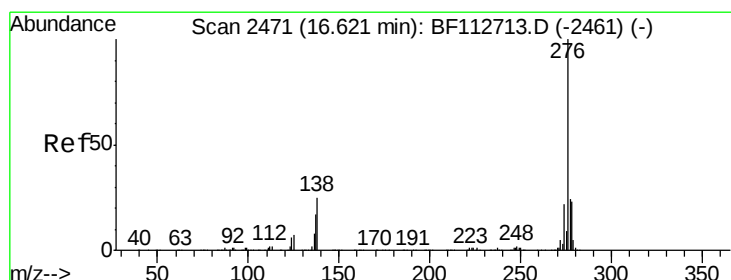
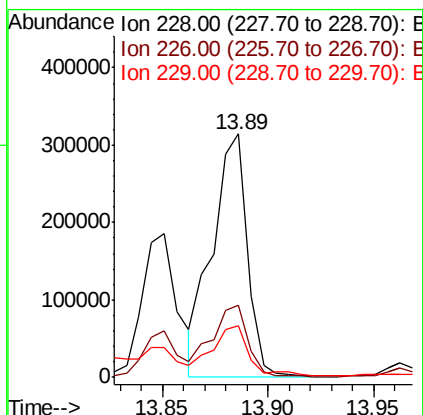
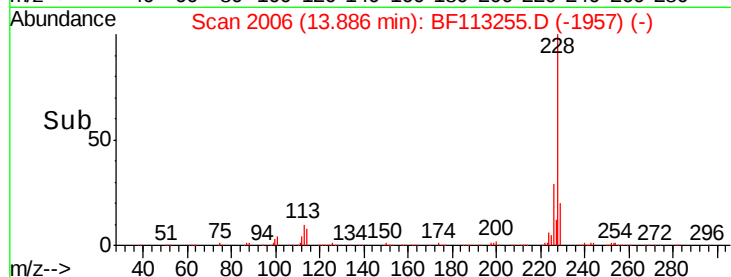
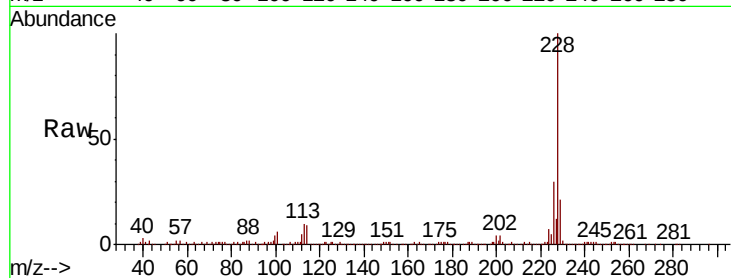
ClientSampled :

CS-3

Tot Ion:	228	Resp:	359394
Ion Ratio		Lower	Upper
228	100		
226	29.6	24.9	37.3
229	21.0	16.3	24.5

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#86

Indeno(1,2,3-cd)pyrene

Concen: 5.744 ng

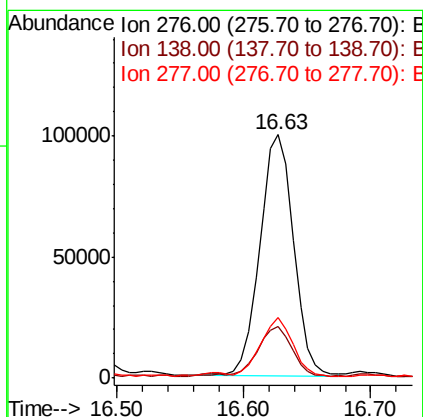
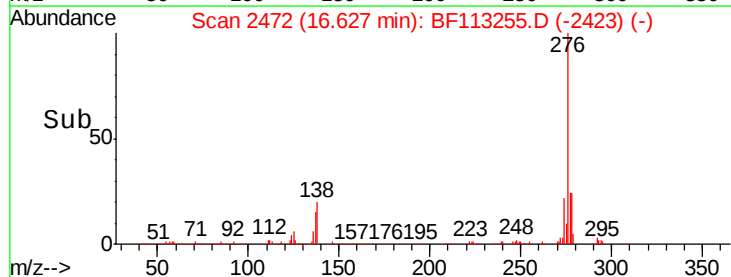
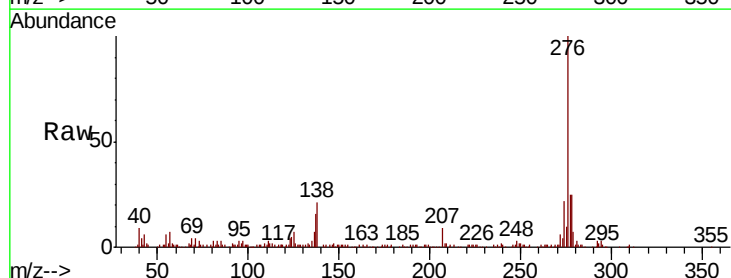
RT: 16.63 min Scan# 2472

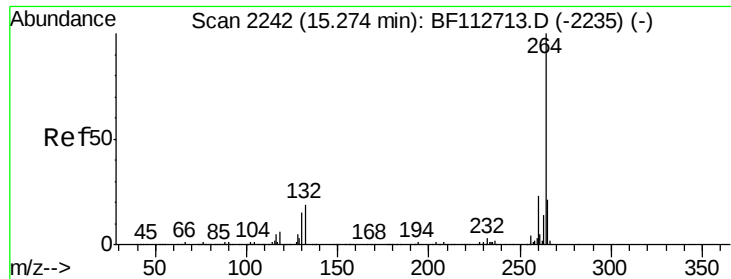
Delta R.T. -0.01 min

Lab File: BF113255.D

Acq: 23 Mar 2019 11:24

Tgt Ion:	276	Resp:	184994
Ion Ratio		Lower	Upper
276	100		
138	21.5	23.2	34.8#
277	23.0	19.9	29.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF113255.D

Acq: 23 Mar 2019 11:24

Instrument :

BNA_F

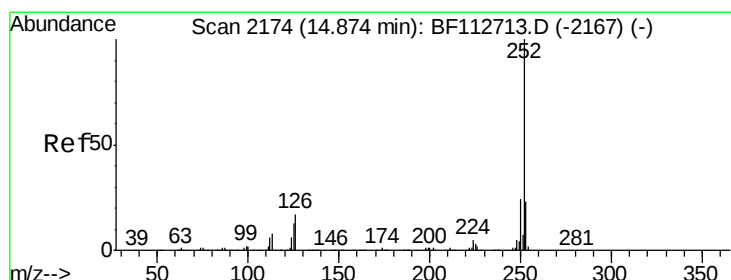
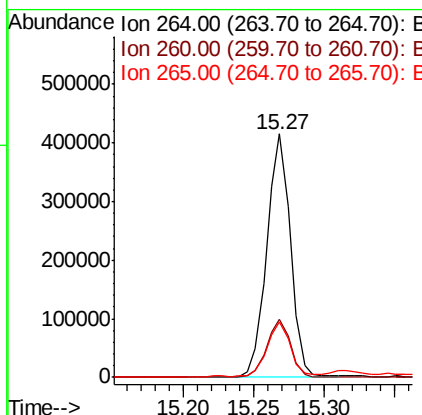
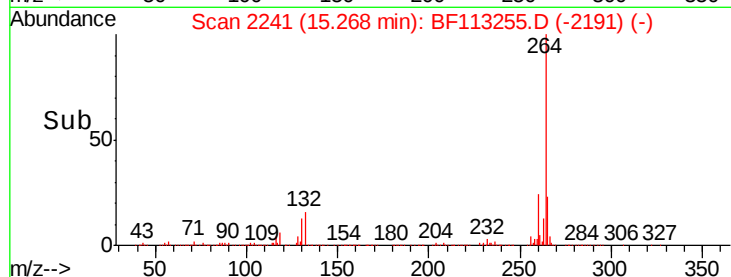
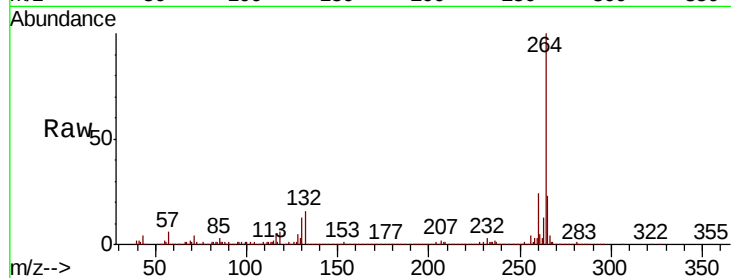
ClientSampled :

CS-3

Tot Ion:	264	Resp:	492809
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.7	28.1
265	22.8	17.2	25.8

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#88

Benzo(b)fluoranthene

Concen: 17.708 ng m

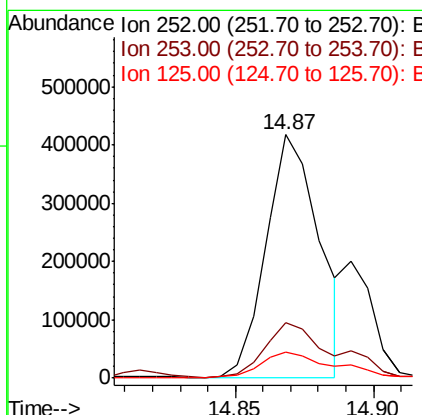
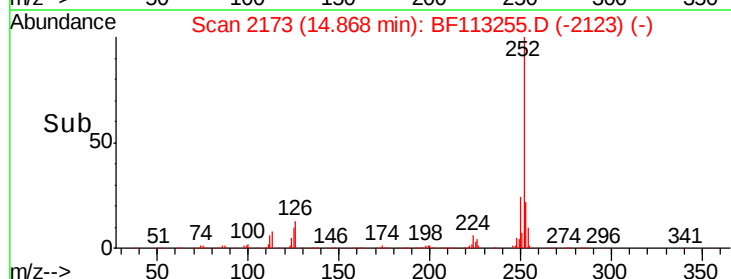
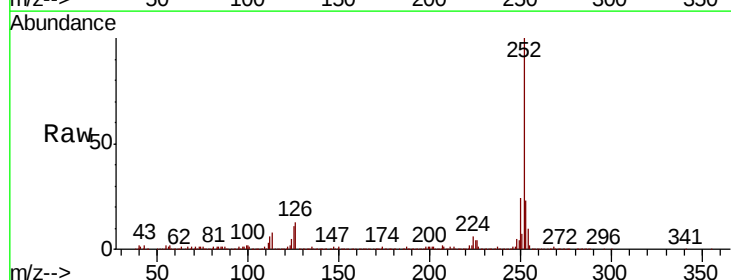
RT: 14.87 min Scan# 2173

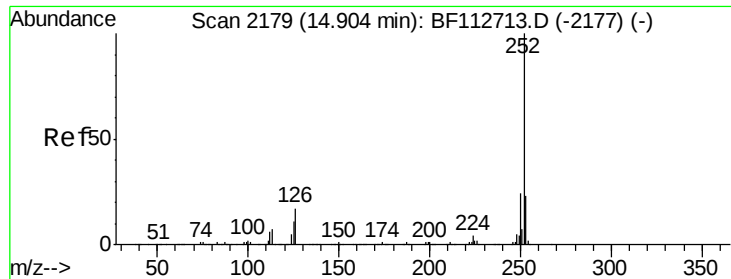
Delta R.T. -0.01 min

Lab File: BF113255.D

Acq: 23 Mar 2019 11:24

Tgt Ion:	252	Resp:	564464
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.0	27.0
125	10.6	10.2	15.2





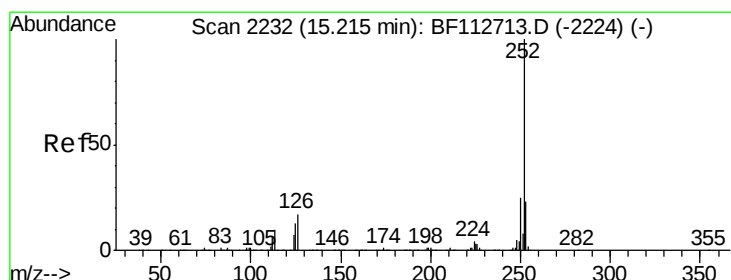
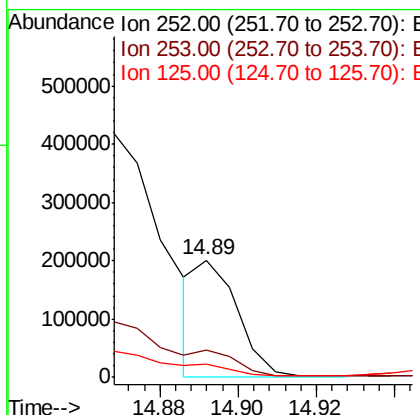
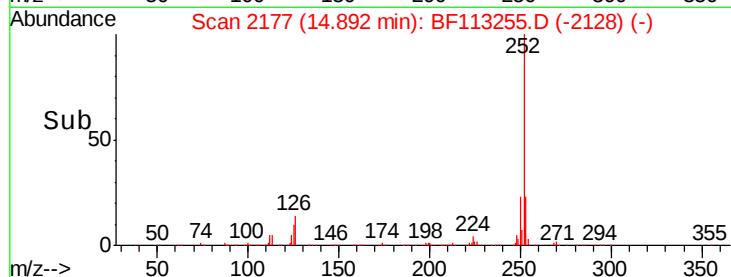
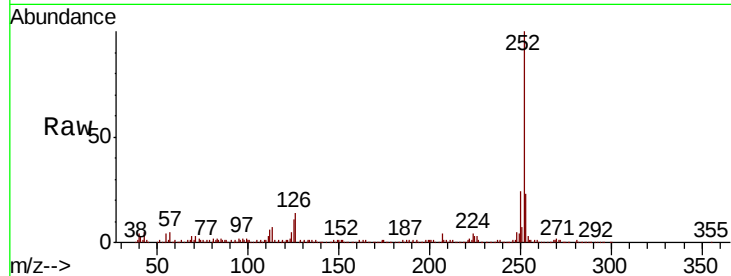
#89
Benzo(k)fluoranthene
Concen: 5.179 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF113255.D
Acq: 23 Mar 2019 11:24

Instrument :
BNA_F
ClientSampled :
CS-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	11.0	9.8	14.6

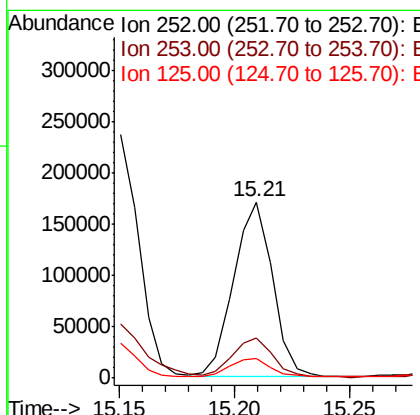
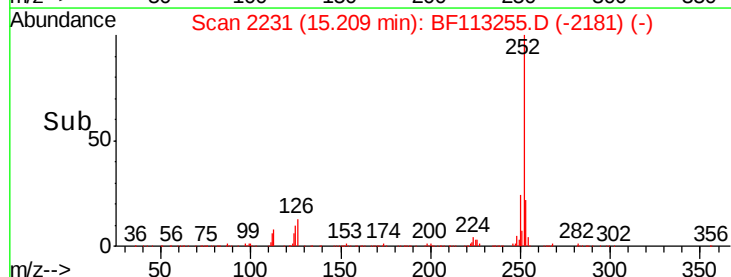
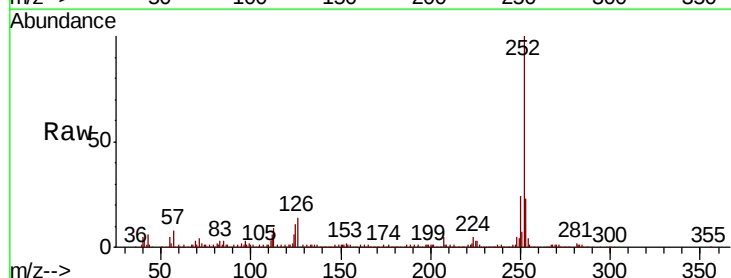
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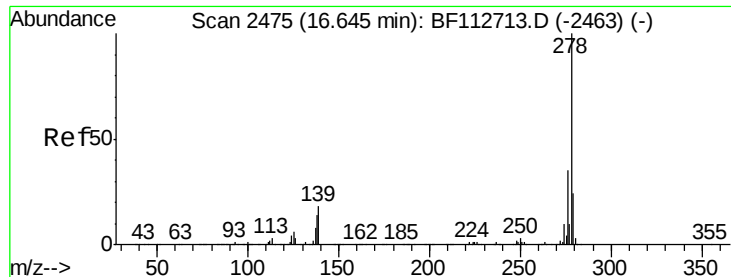
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3/25/2019 12:48:14 PM



#90
Benzo(a)pyrene
Concen: 7.130 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113255.D
Acq: 23 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	10.9	10.7	16.1





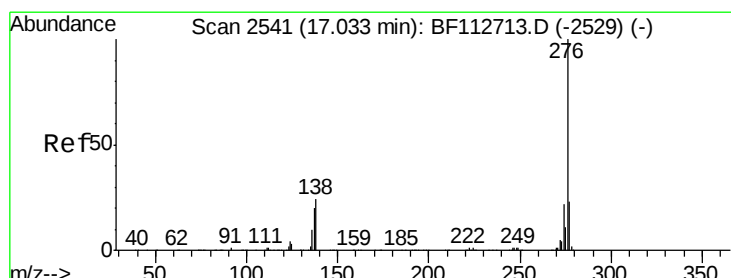
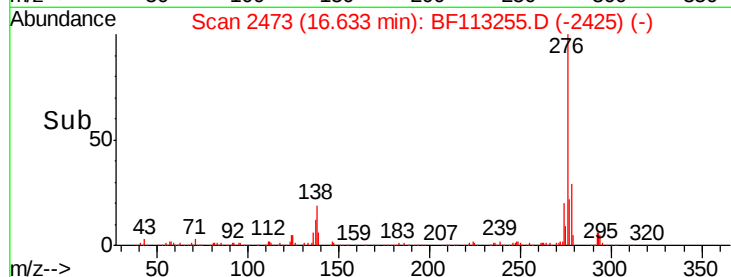
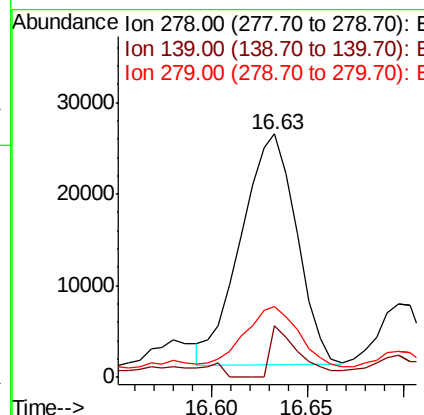
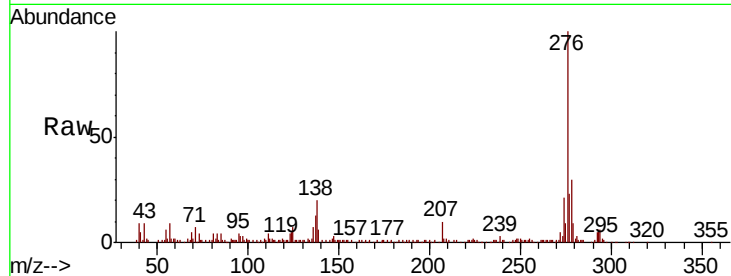
#91
Dibenzo(a,h)anthracene
Concen: 2.115 ng m
RT: 16.63 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BF113255.D
Acq: 23 Mar 2019 11:24

Instrument :
BNA_F
ClientSampleId :
CS-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.0	14.3	21.5
279	29.3	19.4	29.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.858 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.01 min
Lab File: BF113255.D
Acq: 23 Mar 2019 11:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	27.8
138	20.0	19.4	29.0

