

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\
 Data File : BF113331.D
 Acq On : 27 Mar 2019 15:22
 Operator : JU/SJ
 Sample : K2086-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-11

Manual Integrations
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 3/28/2019 8:41:50 AM

Quant Time: Mar 29 05:43:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	192288	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	726424	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	349088	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	635841	20.00	ng	0.00
76) Chrysene-d12	13.84	240	411713	20.00	ng	0.00
87) Perylene-d12	15.24	264	473232	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1147393	97.57	ng	0.00
7) Phenol-d6	6.35	99	1505273	101.18	ng	0.00
23) Nitrobenzene-d5	7.26	82	916325	74.87	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	366783	85.06	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1641954	70.77	ng	0.00
79) Terphenyl-d14	12.79	244	1439841	77.08	ng	0.00
Target Compounds						
49) Acenaphthylene	9.59	152	118798	3.273	ng	97
50) Dimethylphthalate	9.45	163	154977	5.991	ng	99
71) Phenanthrene	11.23	178	360626	11.421	ng	98
72) Anthracene	11.29	178	244647	7.628	ng	99
73) Carbazole	11.44	167	237680	7.766	ng	99
75) Fluoranthene	12.42	202	2018824	56.556	ng	98
78) Pyrene	12.65	202	1847349	64.750	ng	99
81) Benzo(a)anthracene	13.83	228	799578	33.928	ng	95
83) Chrysene	13.87	228	1303077	54.436	ng	98
86) Indeno(1,2,3-cd)pyrene	16.59	276	500606	24.368	ng	97
88) Benzo(b)fluoranthene	14.86	252	1842292m	62.669	ng	
89) Benzo(k)fluoranthene	14.87	252	554311m	21.472	ng	
90) Benzo(a)pyrene	15.19	252	597880	22.941	ng	96
91) Dibenzo(a,h)anthracene	16.59	278	113256m	5.026	ng	
92) Benzo(a,h,i)perylene	17.00	276	422124	18.578	ng	98

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

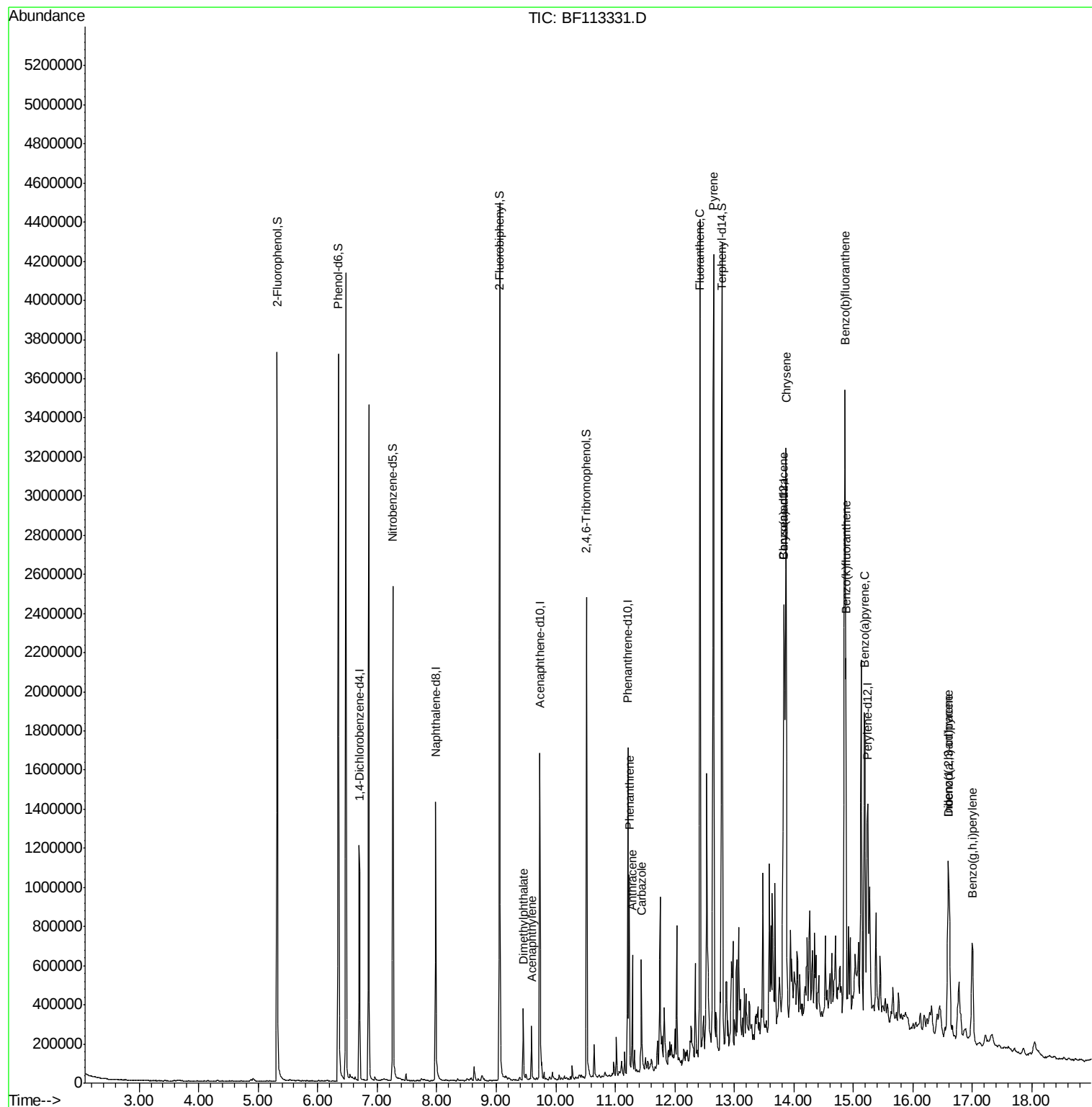
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\
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ALS Vial : 10 Sample Multiplier: 1

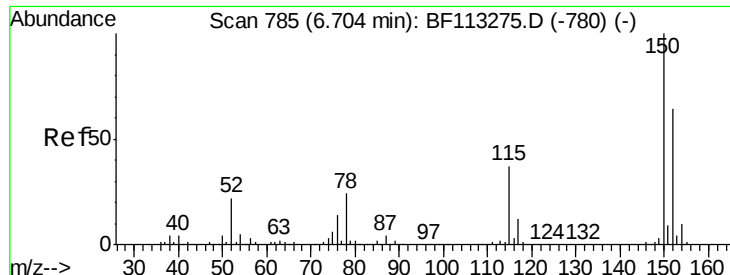
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#1

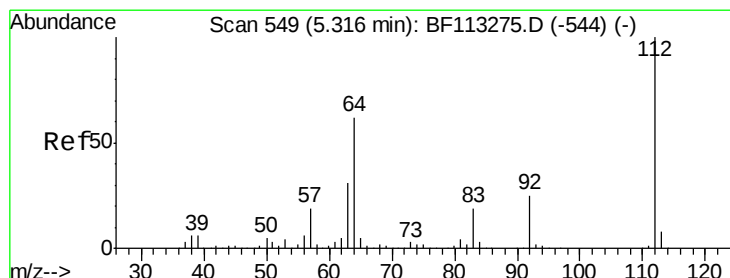
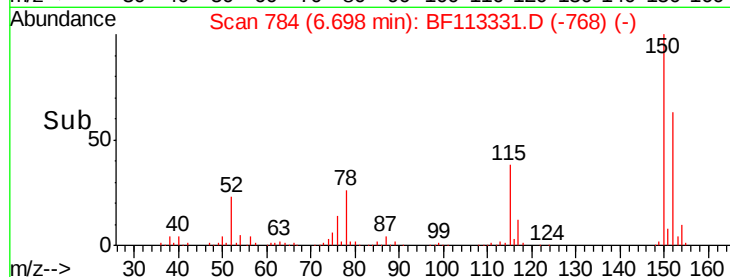
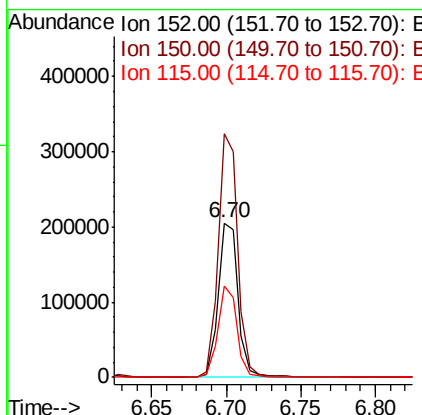
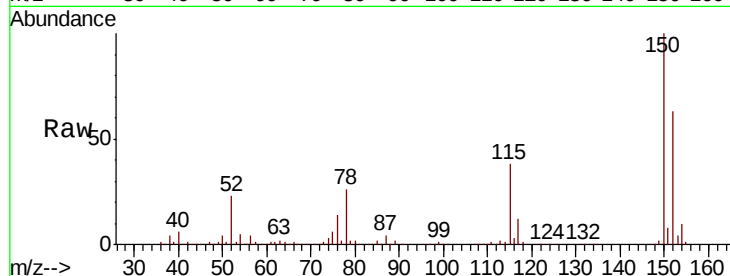
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF113331.D
Acq: 27 Mar 2019 15:22

Instrument :
BNA_F
ClientSampled :
CS-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.7	187.1
115	59.2	46.0	69.0

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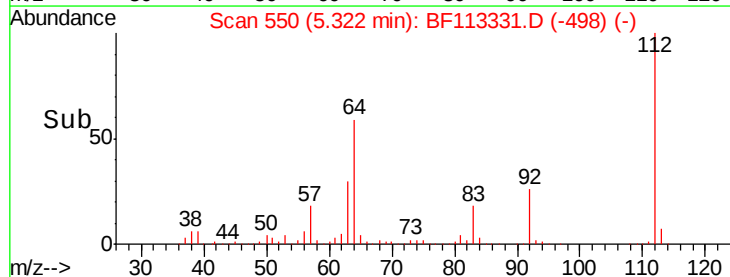
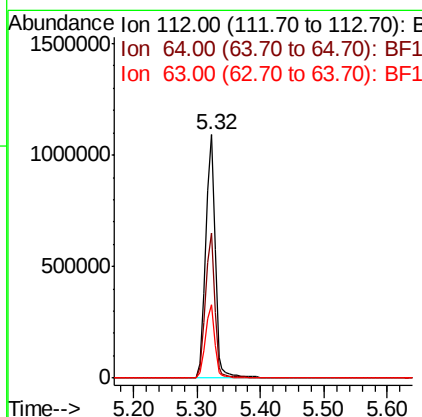
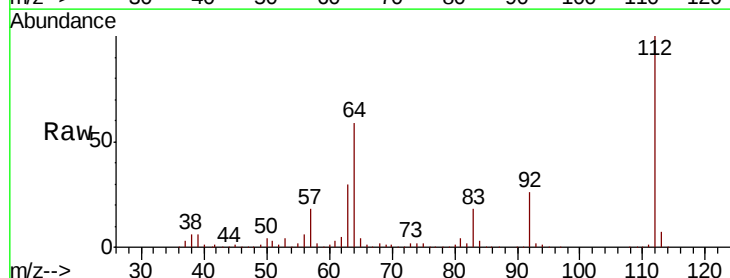
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#5

2-Fluorophenol
Concen: 97.569 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113331.D
Acq: 27 Mar 2019 15:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	49.2	73.8
63	30.2	24.9	37.3





#7

Phenol-d6

Concen: 101.182 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113331.D

Acq: 27 Mar 2019 15:22

Instrument :

BNA_F

ClientSampled :

CS-11

Tot Ion: 99 Resp: 1505273

Ion Ratio Lower Upper

99 100

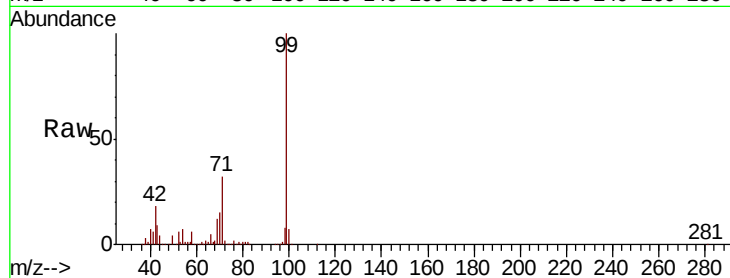
42 18.2 14.8 22.2

71 31.6 24.9 37.3

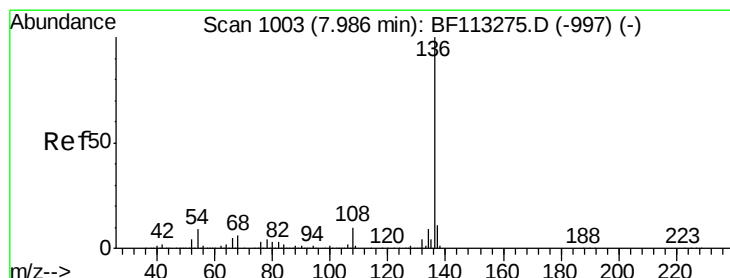
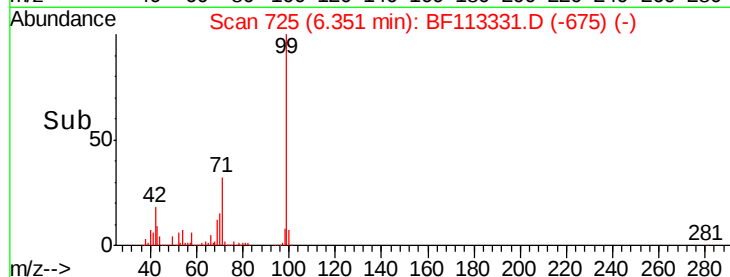
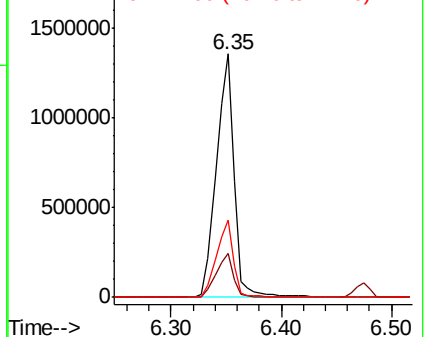
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113331.D

Acq: 27 Mar 2019 15:22

Tgt Ion: 136 Resp: 726424

Ion Ratio Lower Upper

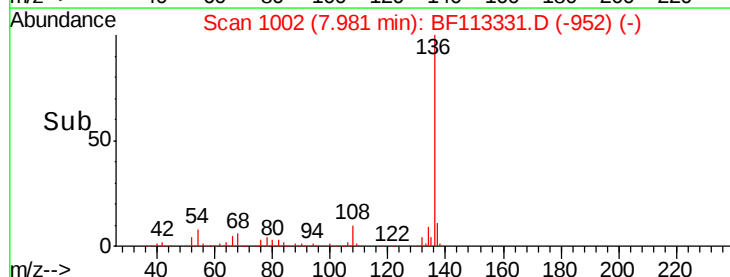
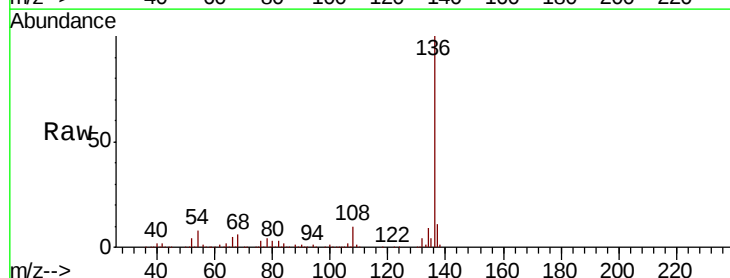
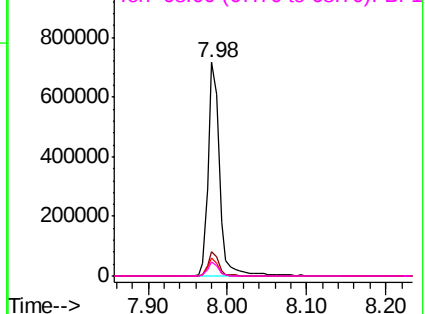
136 100

137 11.3 8.9 13.3

54 8.5 7.0 10.6

68 6.5 4.8 7.2

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





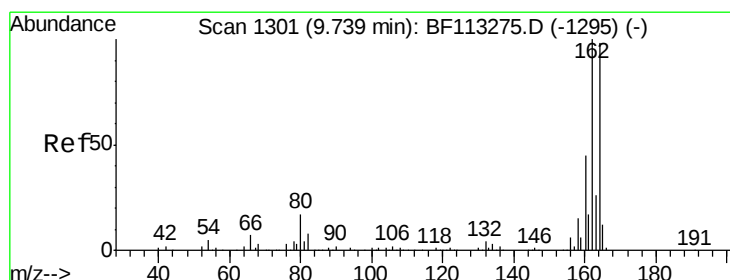
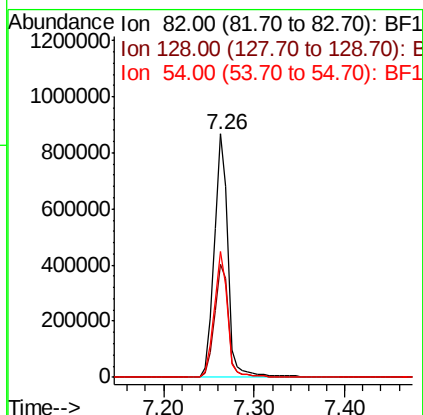
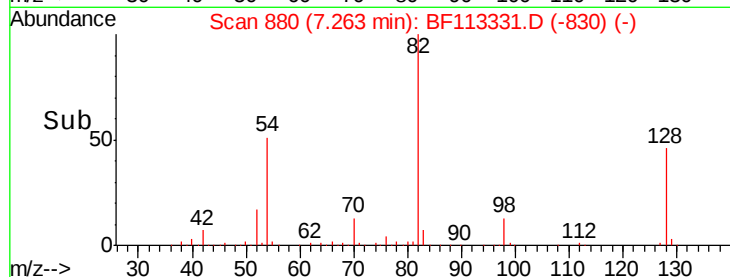
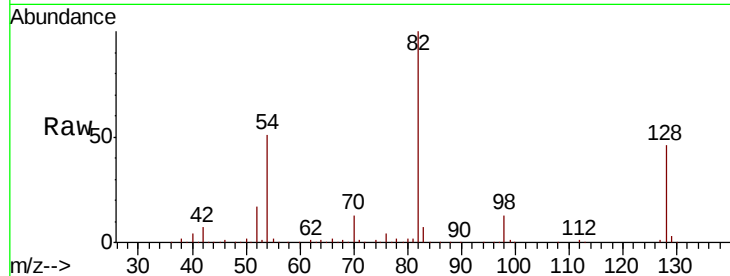
#23
Nitrobenzene-d5
Concen: 74.870 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.00 min
Lab File: BF113331.D
Acq: 27 Mar 2019 15:22

Instrument :
BNA_F
ClientSampled :
CS-11

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.4	36.5	54.7	
54	51.5	42.2	63.2	

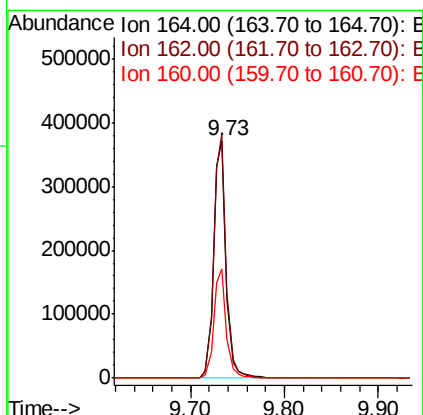
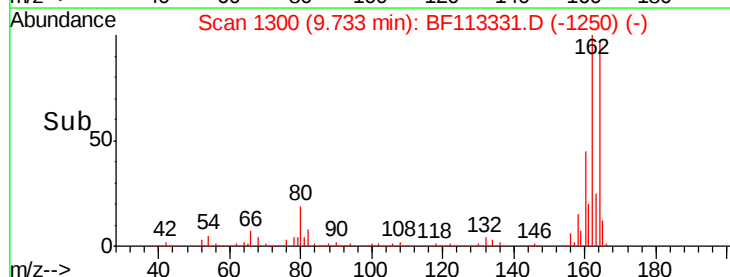
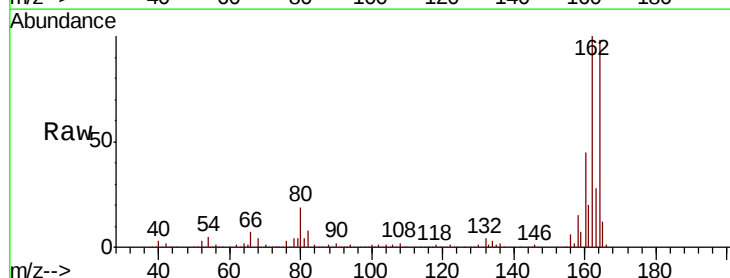
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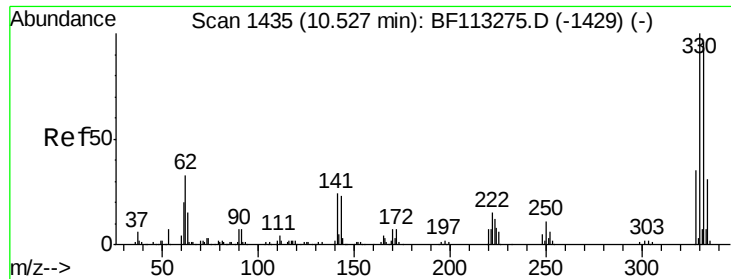
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113331.D
Acq: 27 Mar 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.4	81.8	122.6	
160	46.0	36.4	54.6	





#42

2,4,6-Tribromophenol

Concen: 85.060 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113331.D

Acq: 27 Mar 2019 15:22

Instrument :

BNA_F

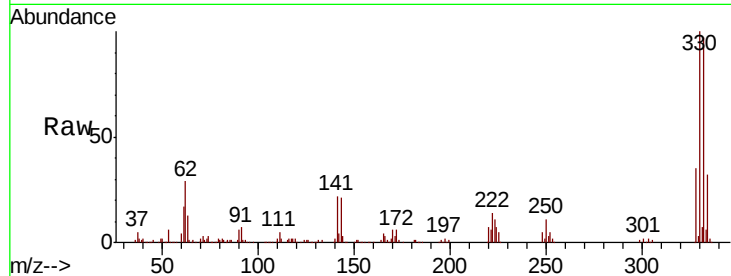
ClientSampled :

CS-11

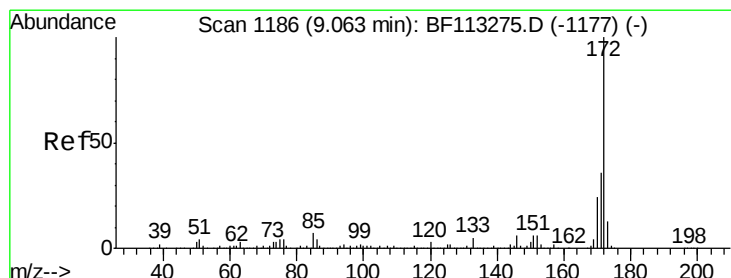
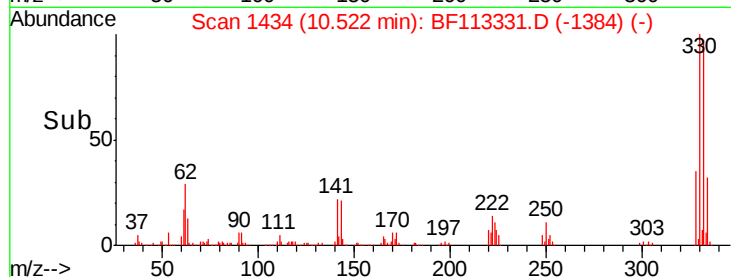
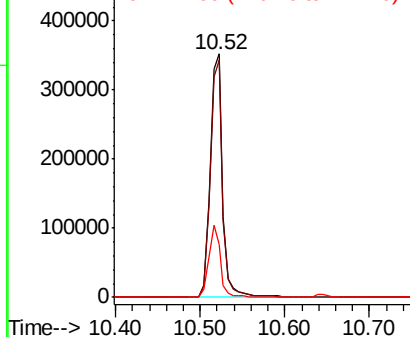
Tot Ion:	330	Resp:	366783
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.8	116.6
141	27.8	22.7	34.1

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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: 70.769 ng

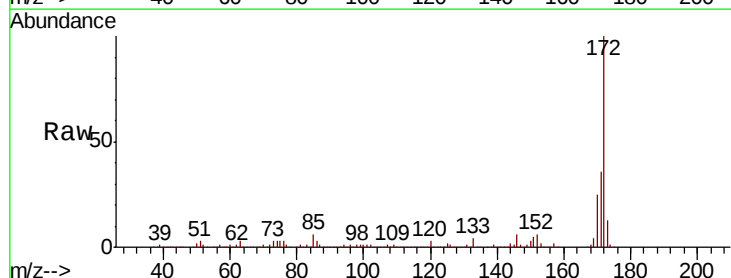
RT: 9.06 min Scan# 1186

Delta R.T. 0.00 min

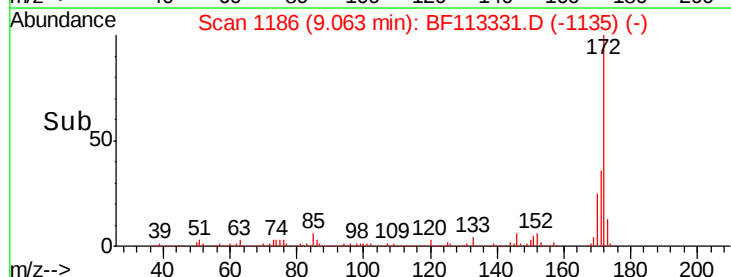
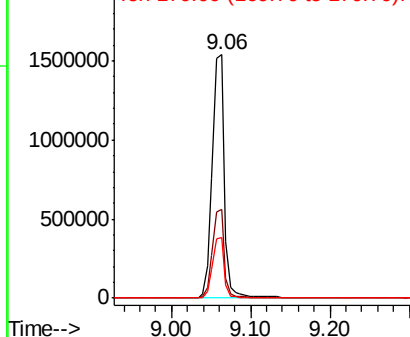
Lab File: BF113331.D

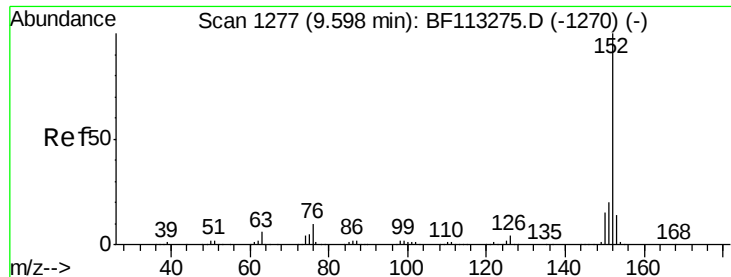
Acq: 27 Mar 2019 15:22

Tgt Ion:	172	Resp:	1641954
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.0	43.6
170	24.6	19.5	29.3



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





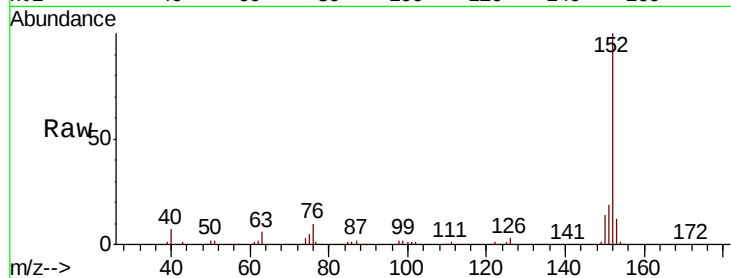
#49
Acenaphthylene
Concen: 3.273 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF113331.D
Acq: 27 Mar 2019 15:22

Instrument :
BNA_F
ClientSampled :
CS-11

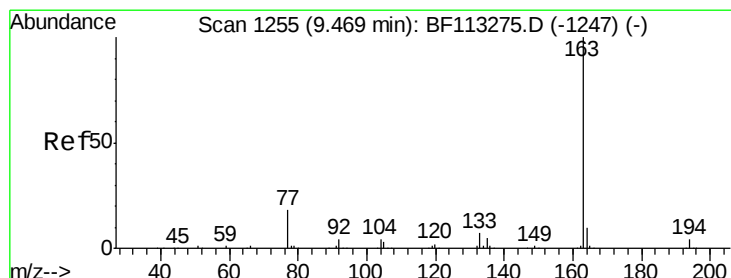
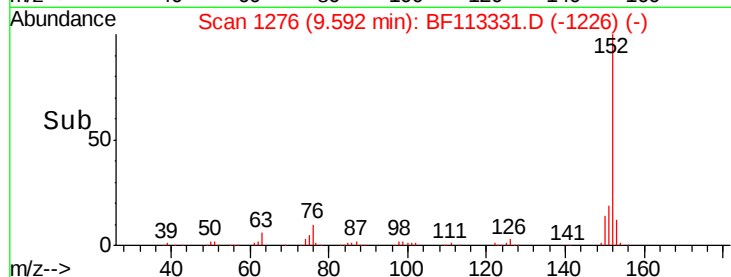
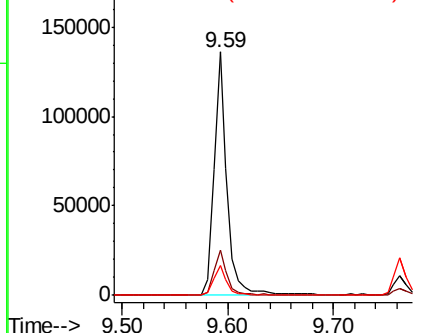
Tot Ion	Ratio	Lower	Upper
152	100		
151	18.7	16.2	24.4
153	12.4	11.0	16.6

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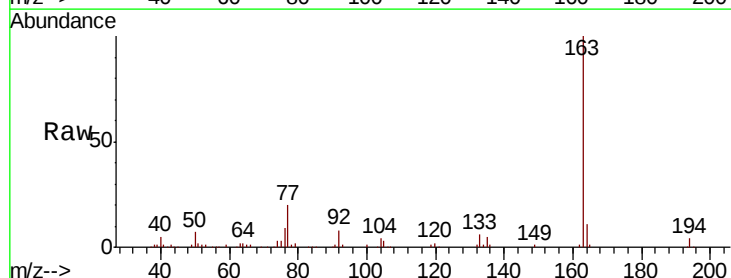


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

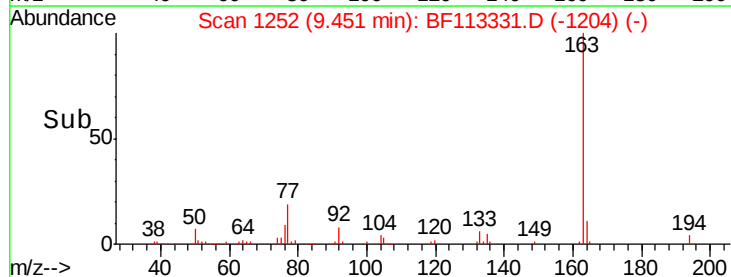
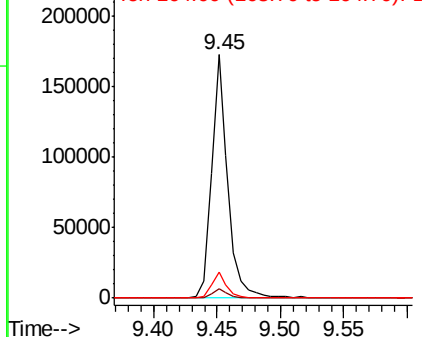


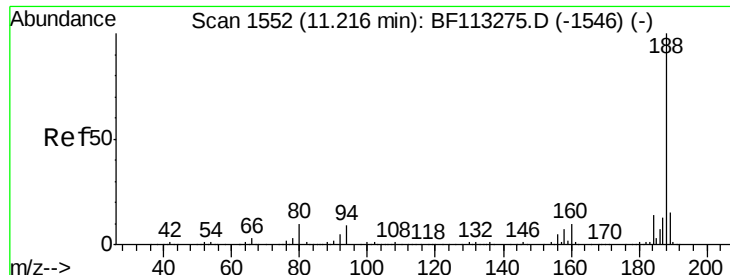
#50
Dimethylphthalate
Concen: 5.991 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113331.D
Acq: 27 Mar 2019 15:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.5	8.1	12.1



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





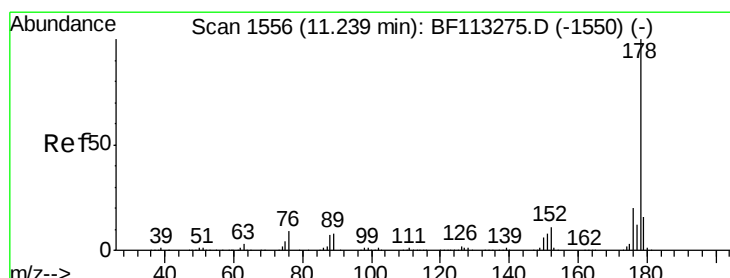
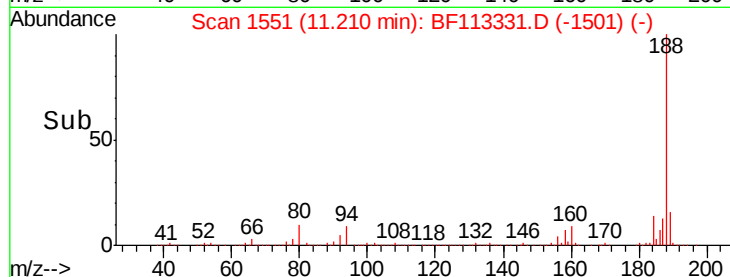
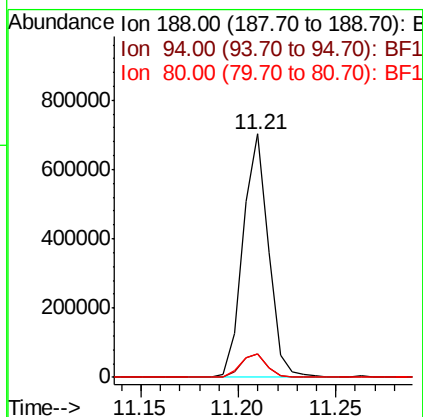
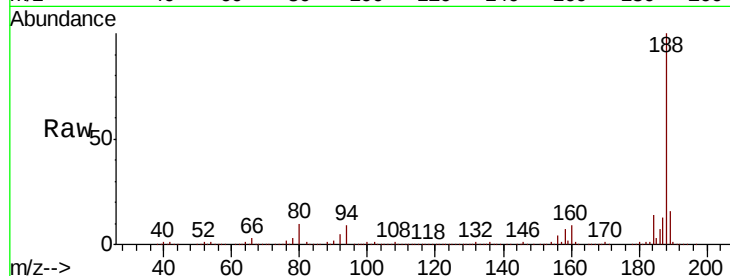
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF113331.D
 Acq: 27 Mar 2019 15:22

Instrument :
 BNA_F
 ClientSampleId :
 CS-11

Tot Ion:188	Resp: 635841
Ion Ratio	Lower Upper
188 100	
94 9.5	7.0 10.6
80 9.6	7.7 11.5

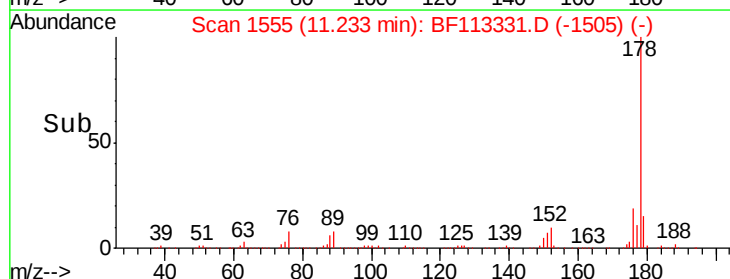
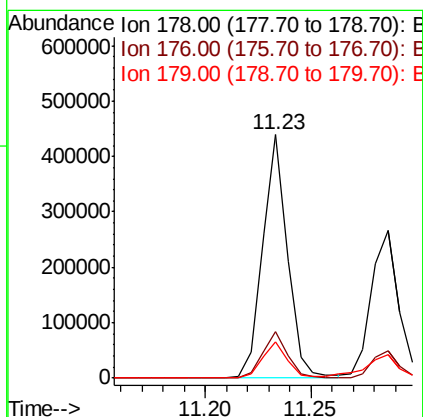
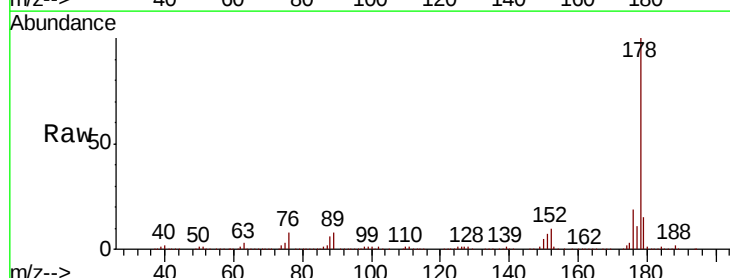
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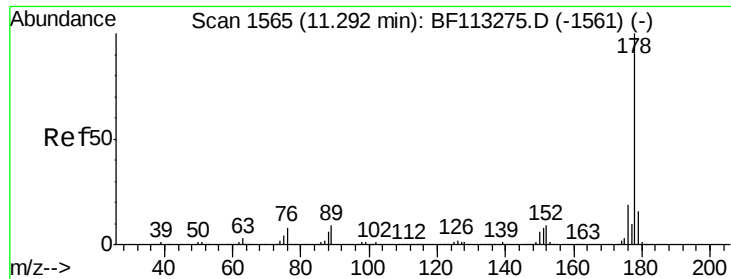
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#71
 Phenanthrene
 Concen: 11.421 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF113331.D
 Acq: 27 Mar 2019 15:22

Tgt Ion:178	Resp: 360626
Ion Ratio	Lower Upper
178 100	
176 19.3	16.2 24.2
179 15.0	12.7 19.1





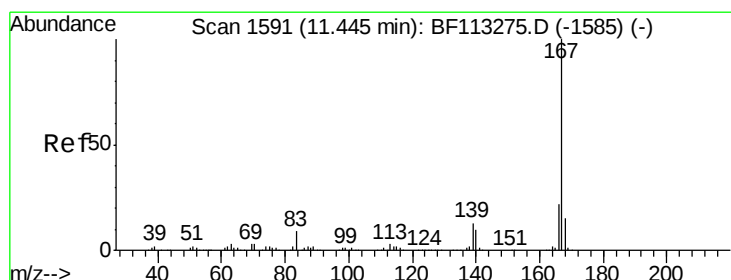
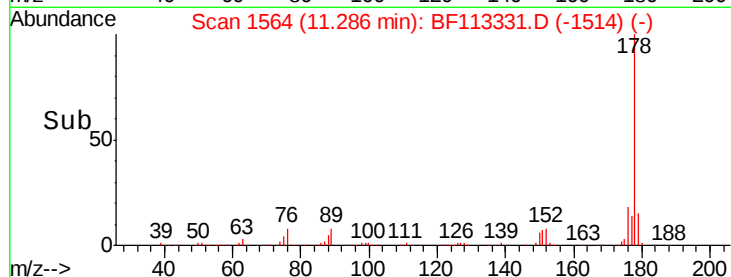
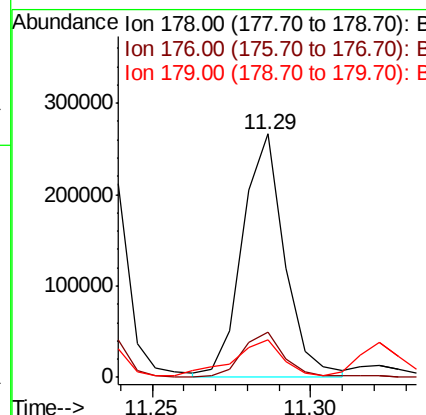
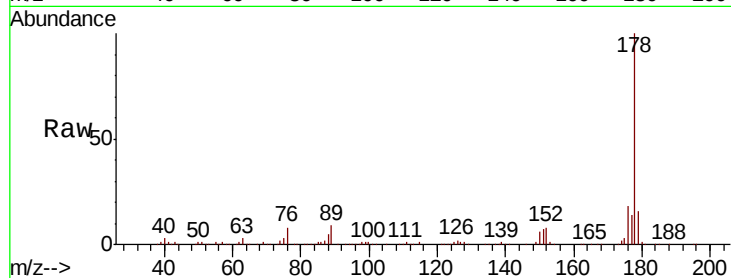
#72
 Anthracene
 Concen: 7.628 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF113331.D
 Acq: 27 Mar 2019 15:22

Instrument :
 BNA_F
 ClientSampleId :
 CS-11

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.6	12.8	19.2

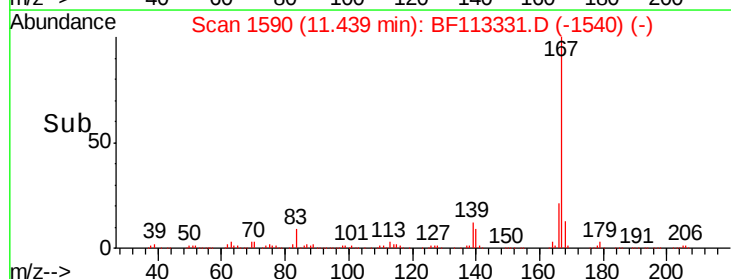
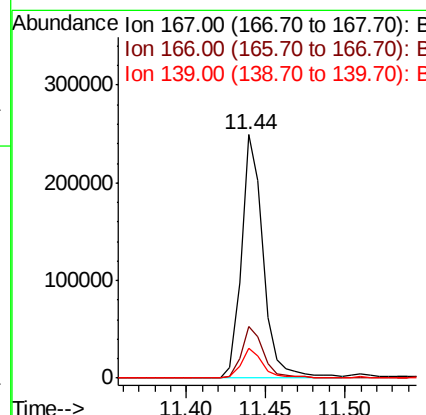
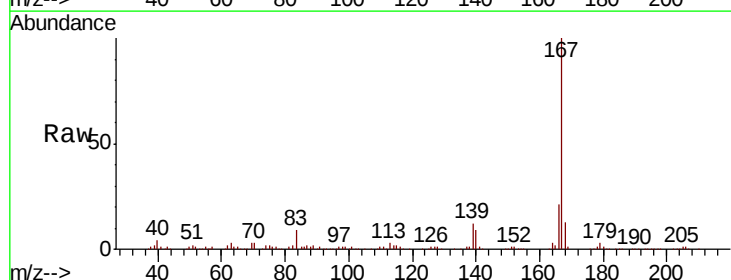
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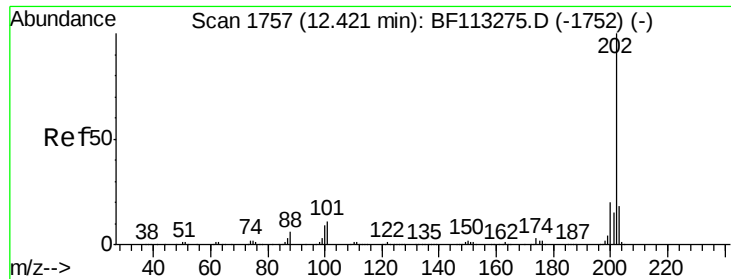
Sohil
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#73
 Carbazole
 Concen: 7.766 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF113331.D
 Acq: 27 Mar 2019 15:22

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.4	26.0
139	12.4	10.4	15.6





#75

Fluoranthene

Concen: 56.556 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF113331.D

Acq: 27 Mar 2019 15:22

Instrument :

BNA_F

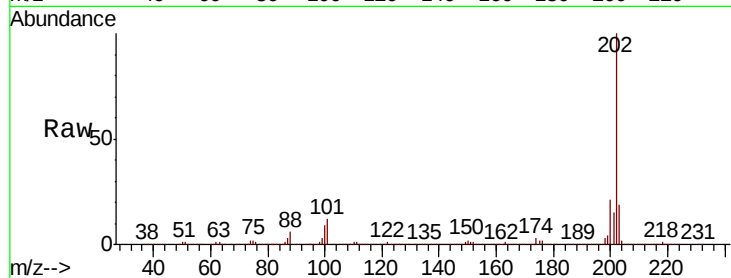
ClientSampled :

CS-11

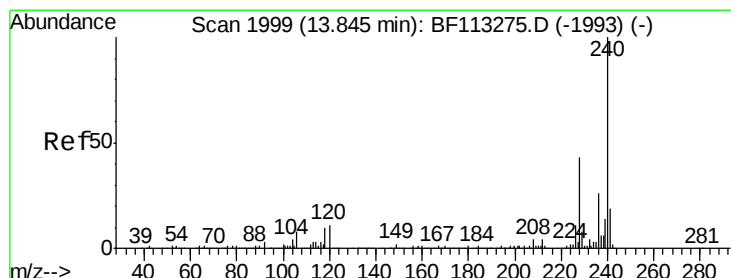
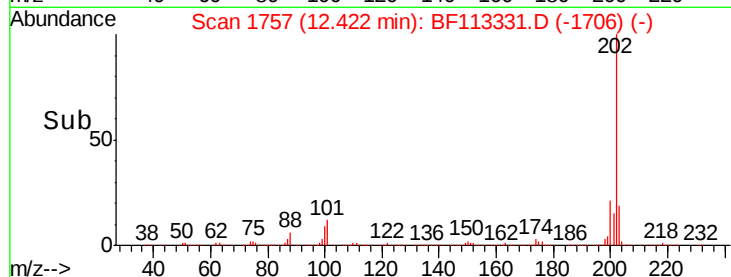
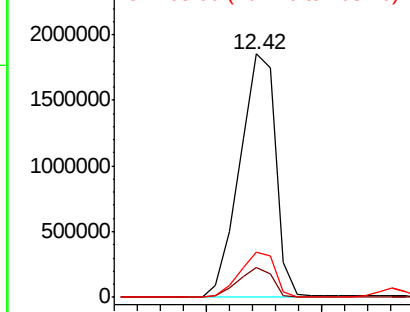
Tot Ion:	202	Resp:	2018824
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.4
203	18.7	0.0	38.0

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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

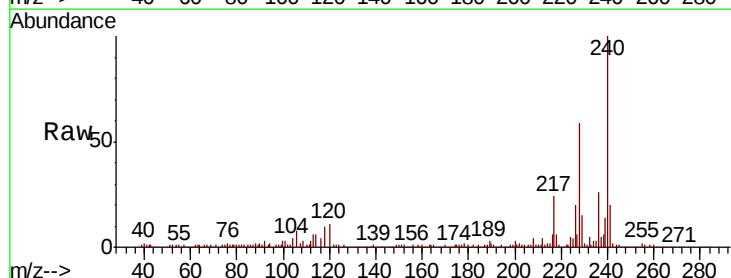
RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

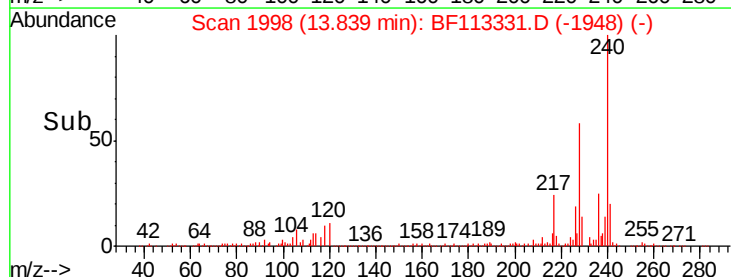
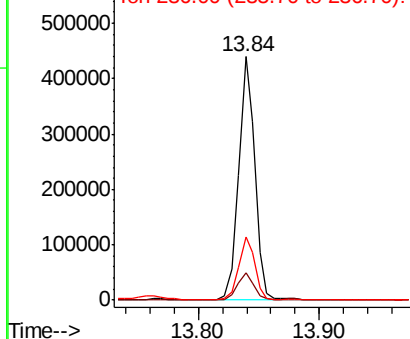
Lab File: BF113331.D

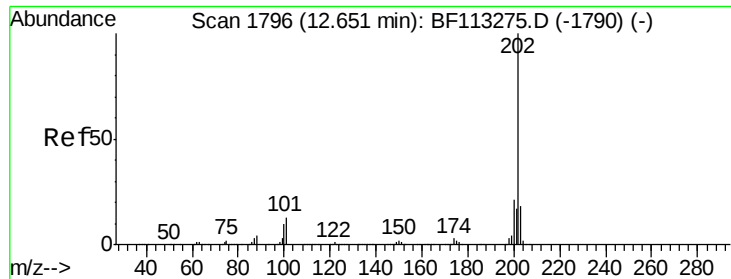
Acq: 27 Mar 2019 15:22

Tgt Ion:	240	Resp:	411713
Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.8	13.2
236	25.8	20.9	31.3



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





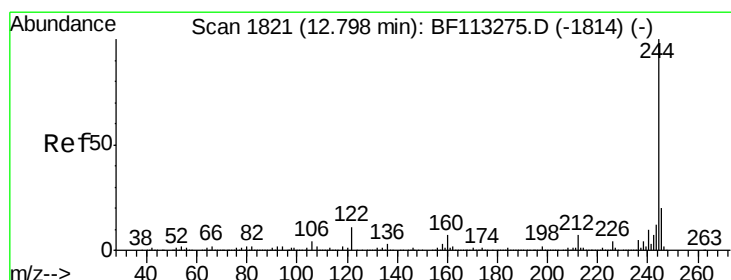
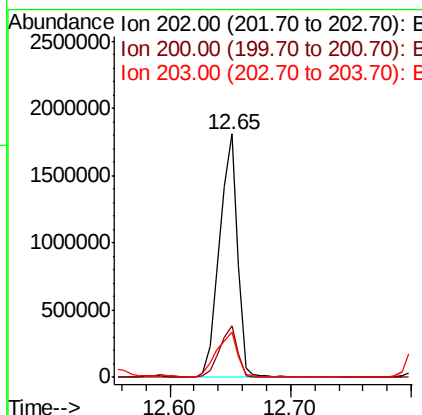
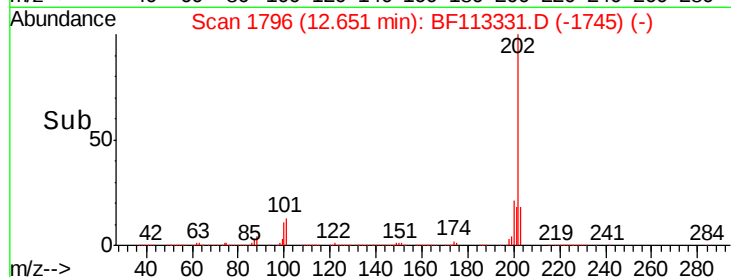
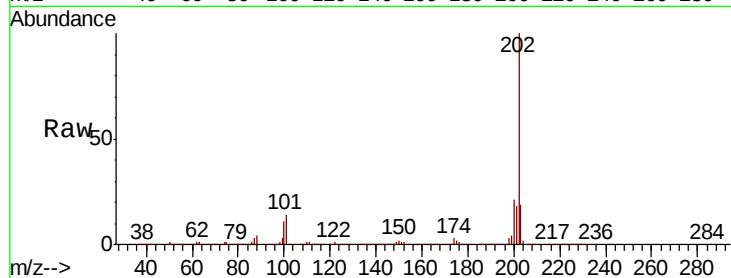
#78
Pvrene
Concen: 64.750 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BF113331.D
Acq: 27 Mar 2019 15:22

Instrument :
BNA_F
ClientSampled :
CS-11

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	18.6	14.4	21.6

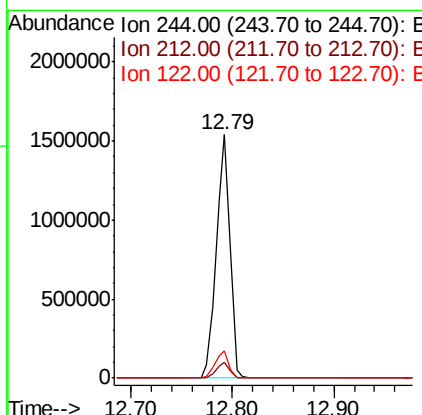
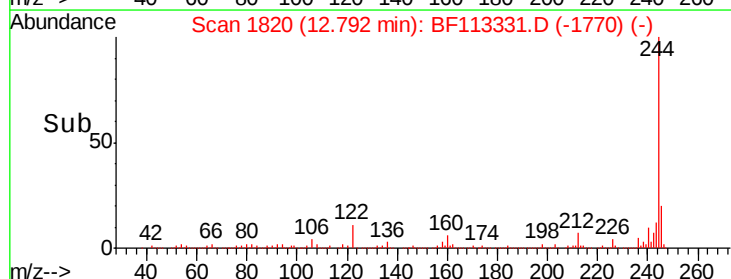
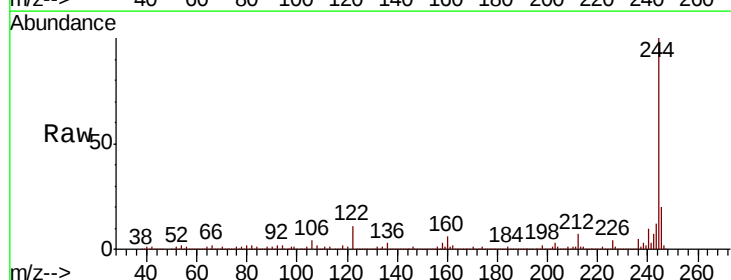
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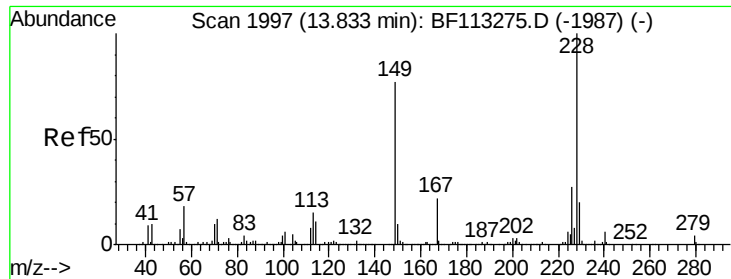
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#79
Terphenyl-d14
Concen: 77.084 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.00 min
Lab File: BF113331.D
Acq: 27 Mar 2019 15:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	11.0	8.6	13.0





#81

Benzo(a)anthracene

Concen: 33.928 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF113331.D

Acq: 27 Mar 2019 15:22

Instrument :

BNA_F

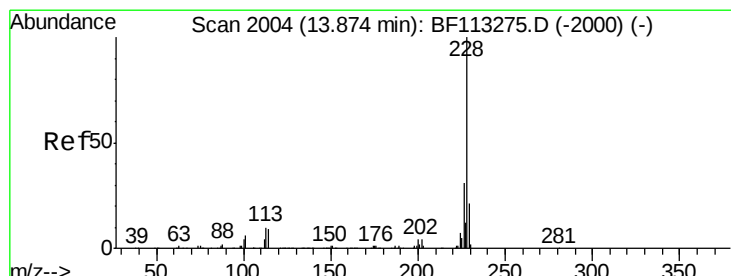
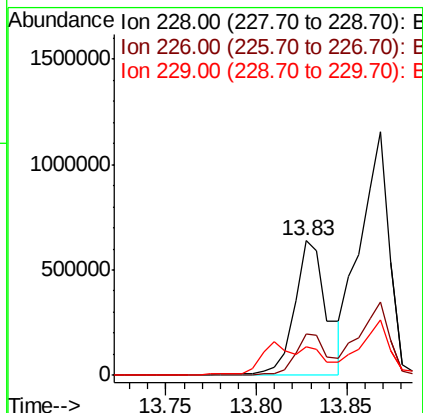
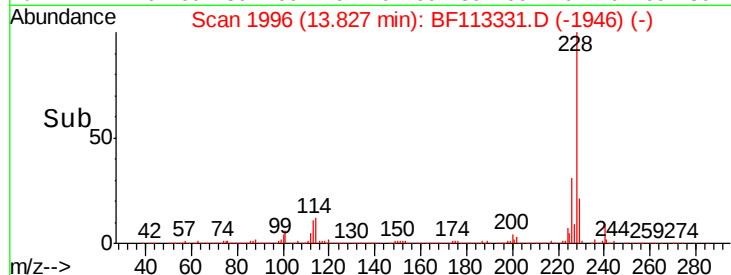
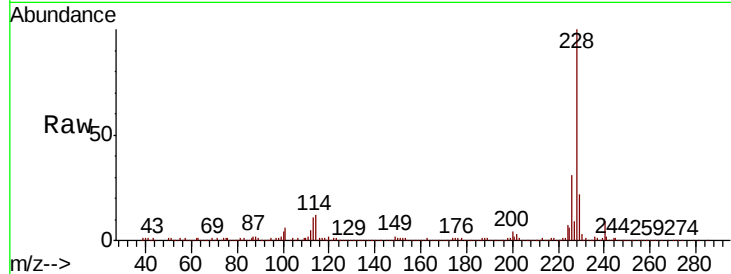
ClientSampled :

CS-11

Tot Ion:	228	Resp:	799578
Ion Ratio	Lower	Upper	
228	100		
226	31.1	21.8	32.8
229	21.7	16.2	24.4

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#83

Chrysene

Concen: 54.436 ng

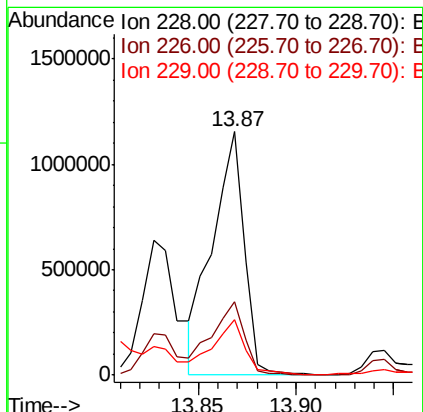
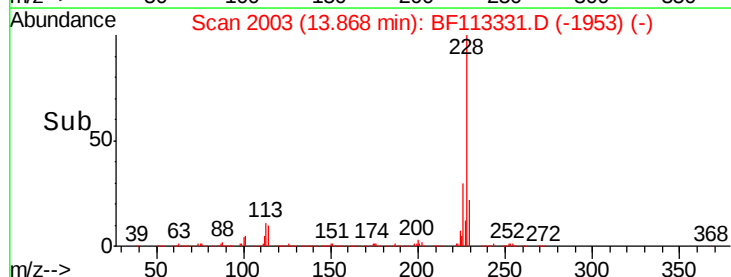
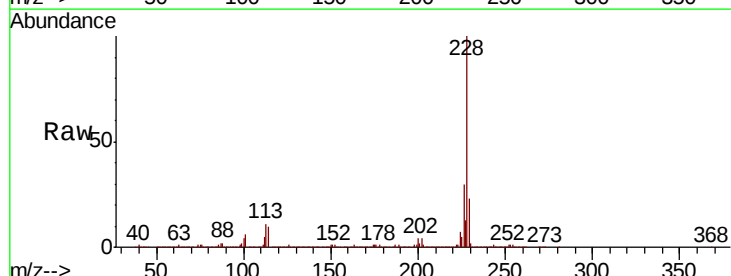
RT: 13.87 min Scan# 2003

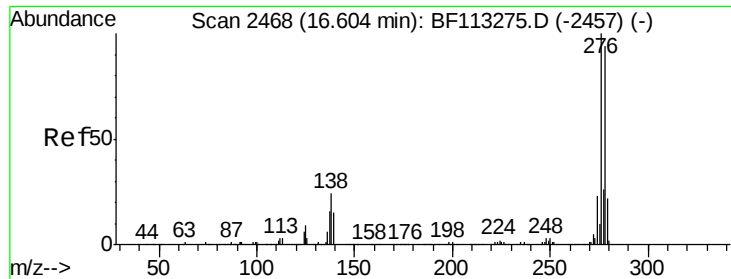
Delta R.T. -0.01 min

Lab File: BF113331.D

Acq: 27 Mar 2019 15:22

Tgt Ion:	228	Resp:	1303077
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.3	36.5
229	22.5	16.3	24.5





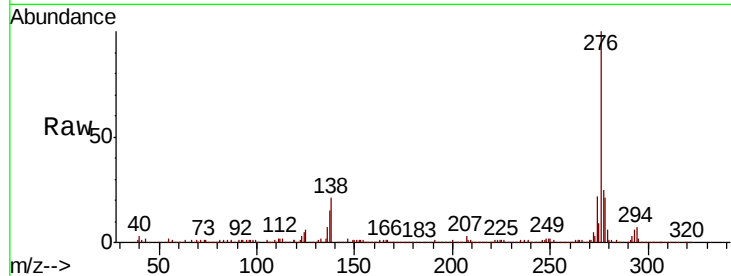
#86
Indeno(1,2,3-cd)pyrene
Concen: 24.368 ng
RT: 16.59 min Scan# 2466
Delta R.T. -0.01 min
Lab File: BF113331.D
Acq: 27 Mar 2019 15:22

Instrument :
BNA_F
ClientSampleId :
CS-11

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	18.1	27.1
277	24.5	20.2	30.4

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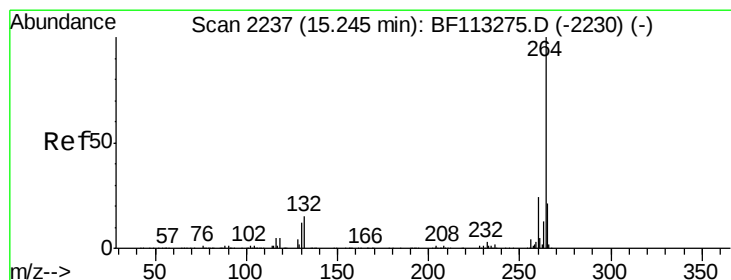
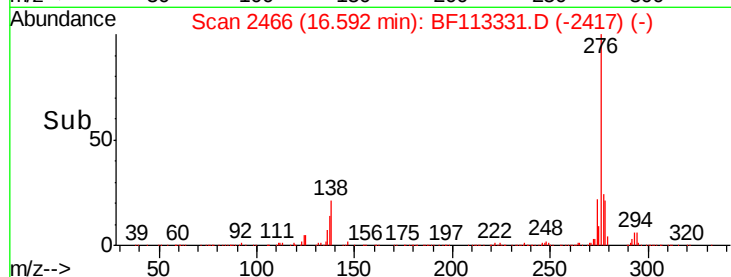
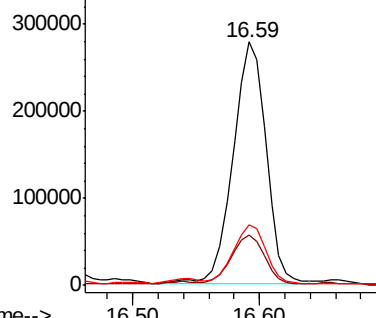


Abundance

Ion 276.00 (275.70 to 276.70): E

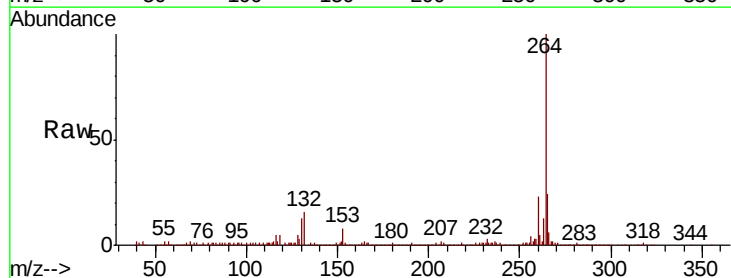
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BF113331.D
Acq: 27 Mar 2019 15:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.1	28.7
265	23.5	17.1	25.7

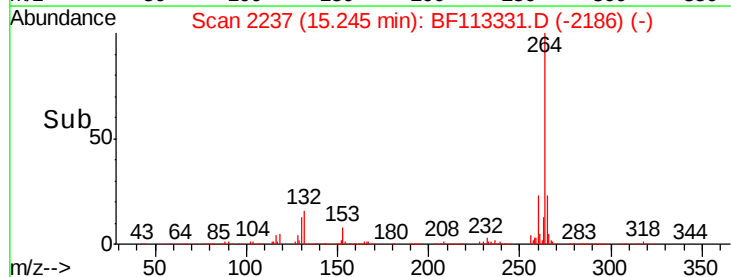
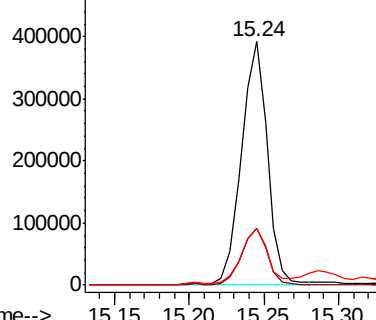


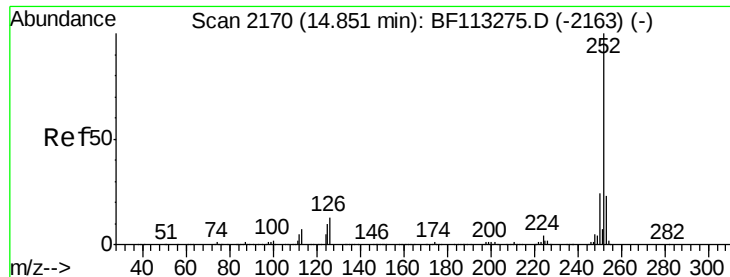
Abundance

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





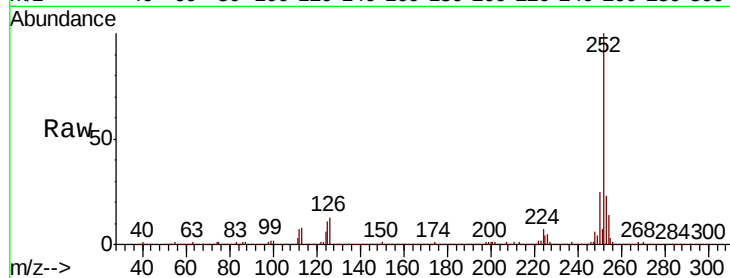
#88
Benzo(b)fluoranthene
Concen: 62.669 ng m
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF113331.D
Acq: 27 Mar 2019 15:22

Instrument :
BNA_F
ClientSampleId :
CS-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	10.8	7.6	11.4

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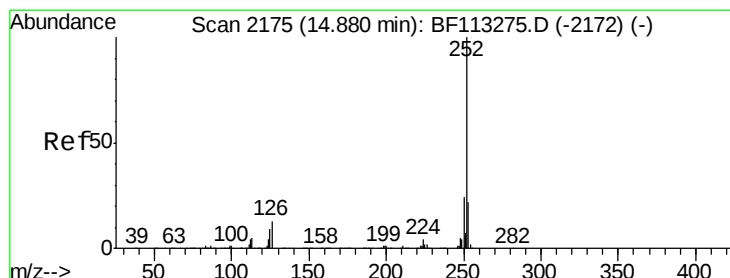
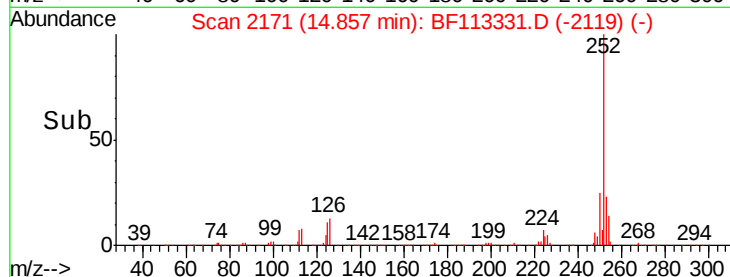
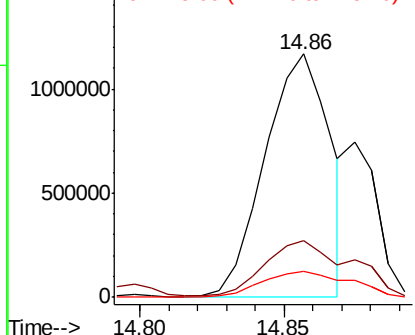


Abundance

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



#89
Benzo(k)fluoranthene
Concen: 21.472 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF113331.D
Acq: 27 Mar 2019 15:22

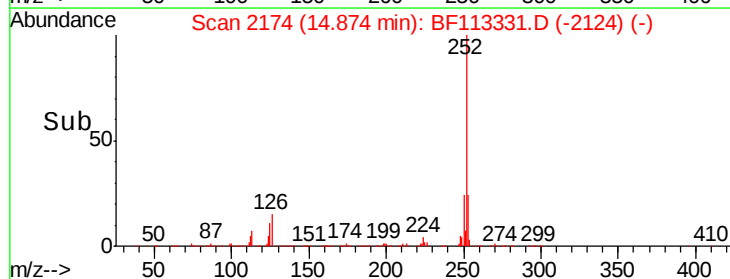
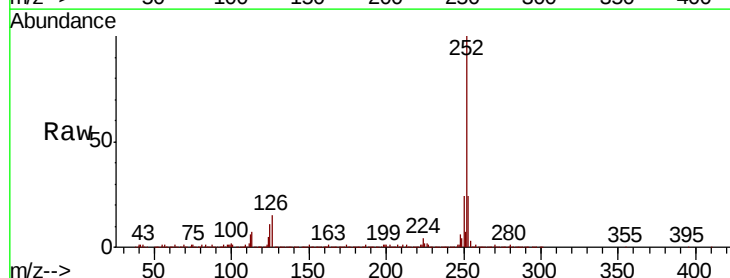
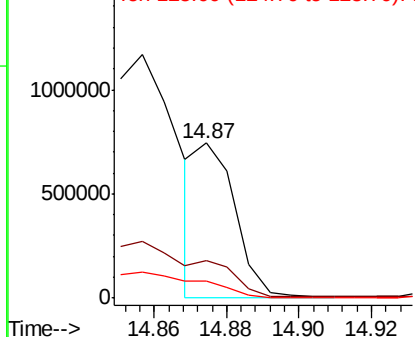
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.7	26.5
125	11.1	7.3	10.9

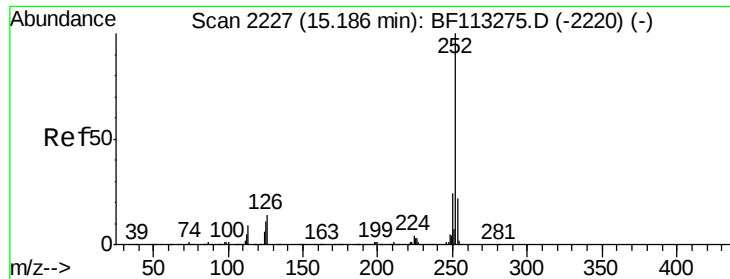
Abundance

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





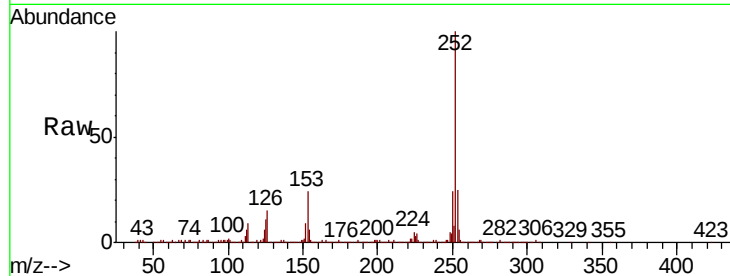
#90
Benzo(a)pyrene
Concen: 22.941 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF113331.D
Acq: 27 Mar 2019 15:22

Instrument :
BNA_F
ClientSampled :
CS-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	11.1	8.8	13.2

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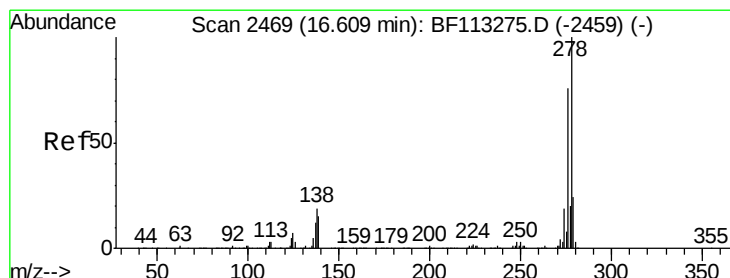
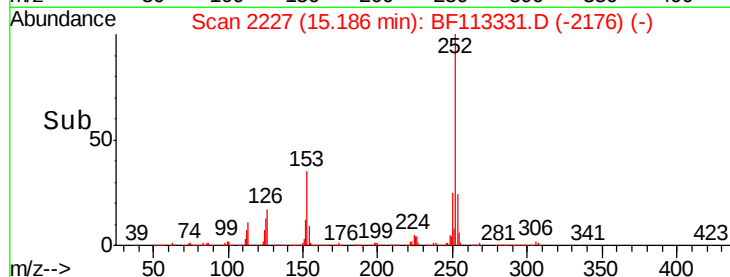
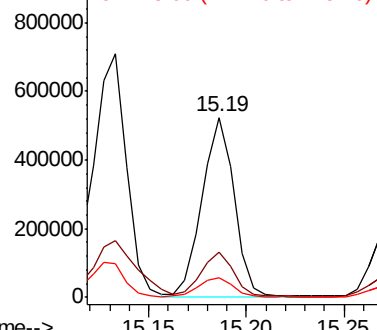


Abundance

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



#91
Dibenzo(a,h)anthracene
Concen: 5.026 ng m
RT: 16.59 min Scan# 2466
Delta R.T. -0.02 min
Lab File: BF113331.D
Acq: 27 Mar 2019 15:22

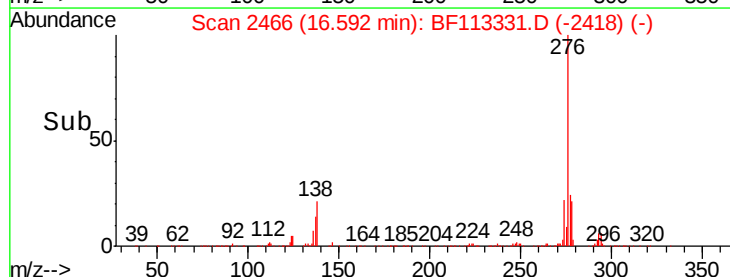
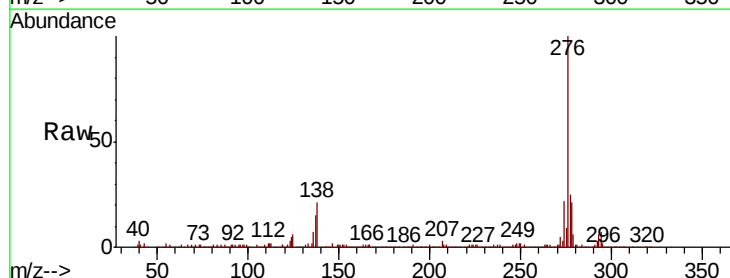
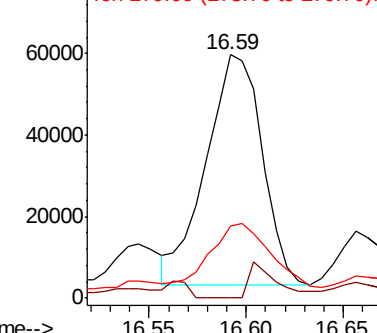
Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	29.4	19.0	28.6#

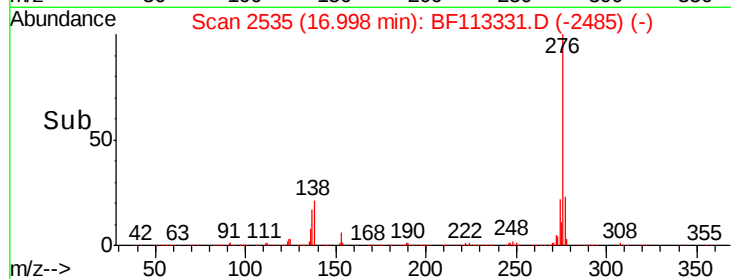
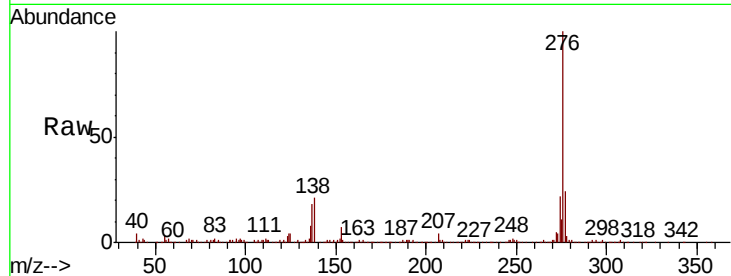
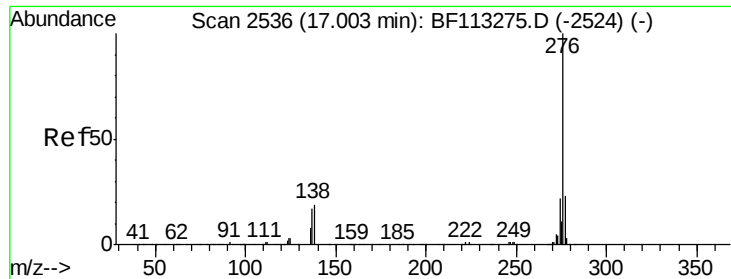
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 18.578 ng
 RT: 17.00 min Scan# 2535
 Delta R.T. -0.01 min
 Lab File: BF113331.D
 Acq: 27 Mar 2019 15:22

Instrument :
 BNA_F
 ClientSampleId :
 CS-11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
422124	276	100			
	277	23.7		18.8	28.2
	138	21.2		15.6	23.4

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