

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\
 Data File : BF113344.D
 Acq On : 27 Mar 2019 21:33
 Operator : JU/SJ
 Sample : K2090-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-5(0-10)

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

Quant Time: Mar 28 04:23:57 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	205237	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	767954	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	356149	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	612622	20.00	ng	0.00
76) Chrysene-d12	13.84	240	466829	20.00	ng	0.00
87) Perylene-d12	15.24	264	406372	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1010412	80.50	ng	0.00
7) Phenol-d6	6.35	99	1328148	83.64	ng	0.00
23) Nitrobenzene-d5	7.26	82	788795	60.96	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	324931	73.86	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1233386	46.24	ng	0.00
79) Terphenyl-d14	12.79	244	973190	45.95	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.45	163	115983	4.394	ng	Qvalue 99
71) Phenanthrene	11.23	178	630054	20.710	ng	99
72) Anthracene	11.29	178	162538	5.260	ng	97
74) Di-n-butylphthalate	11.77	149	75319	2.203	ng	99
75) Fluoranthene	12.42	202	1064124	30.941	ng	99
78) Pyrene	12.65	202	1008682	31.181	ng	100
81) Benzo(a)anthracene	13.83	228	589768	22.070	ng	98
83) Chrysene	13.86	228	539530	19.878	ng	98
86) Indeno(1,2,3-cd)pyrene	16.59	276	243862	10.469	ng	98
88) Benzo(b)fluoranthene	14.85	252	619462m	24.539	ng	
89) Benzo(k)fluoranthene	14.87	252	229975m	10.374	ng	
90) Benzo(a)pyrene	15.19	252	444364	19.856	ng	99
91) Dibenzo(a,h)anthracene	16.60	278	71181	3.678	ng	# 80
92) Benzo(a,h,i)perylene	17.00	276	236045	12.098	ng	99

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

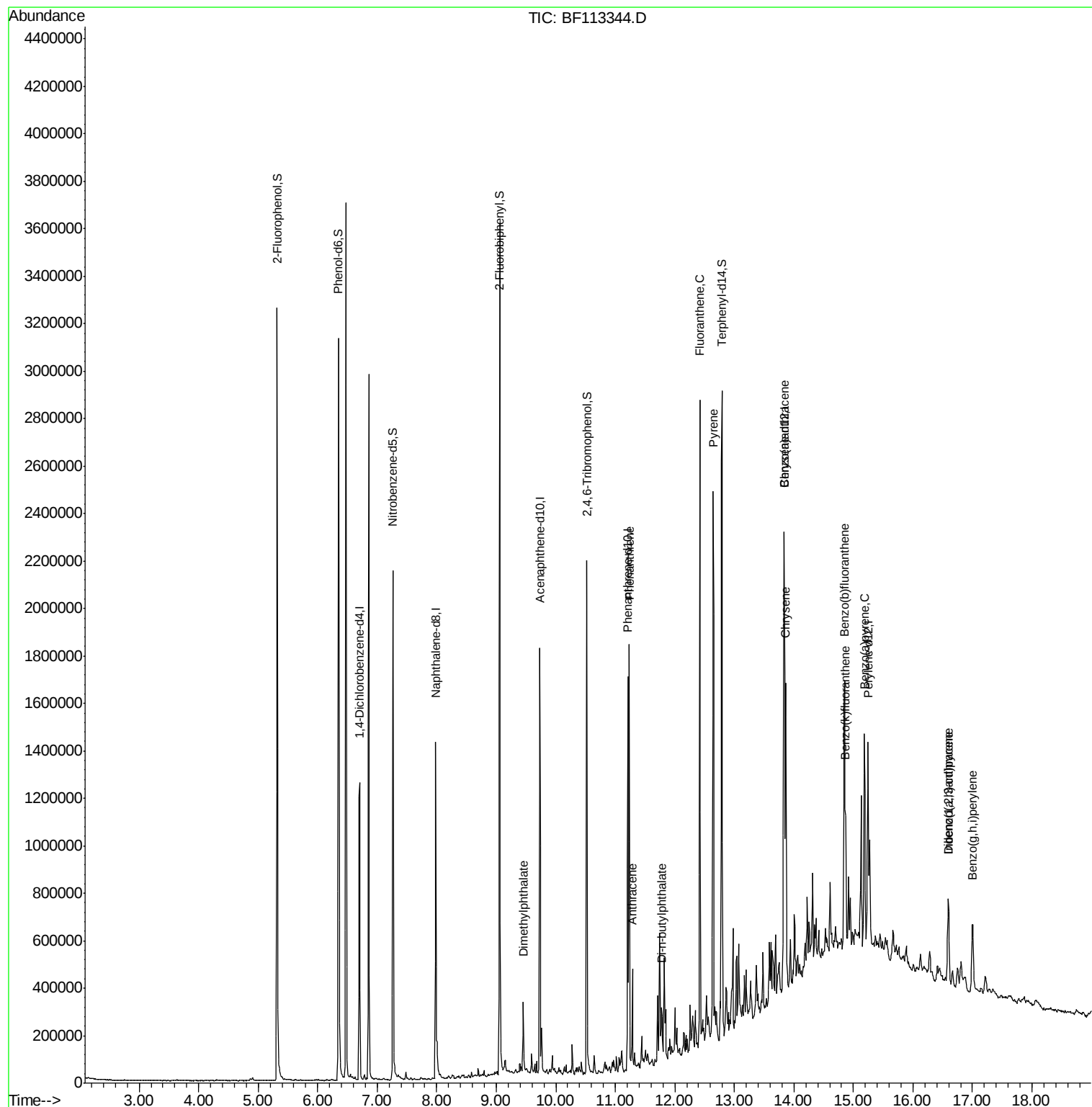
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\
Data File : BF113344.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
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#1

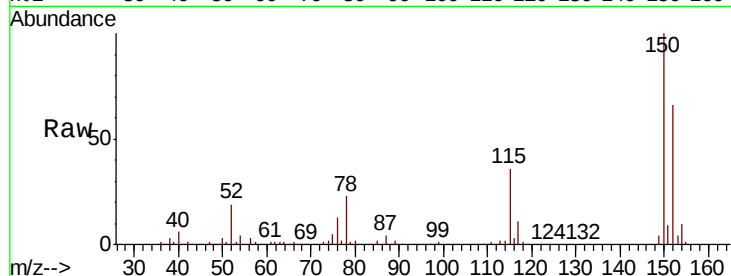
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Instrument :
BNA_F
ClientSampleId :
P-5(0-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.7	187.1
115	54.0	46.0	69.0

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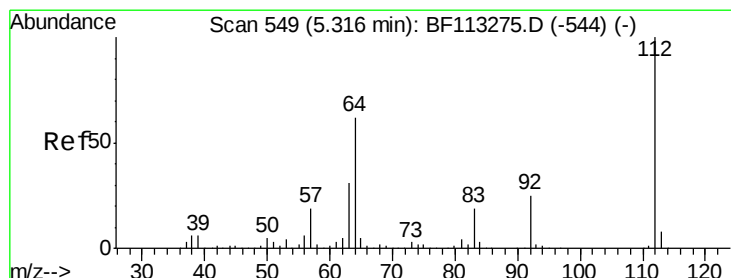
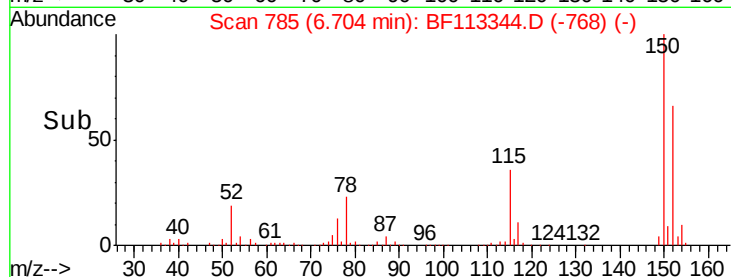
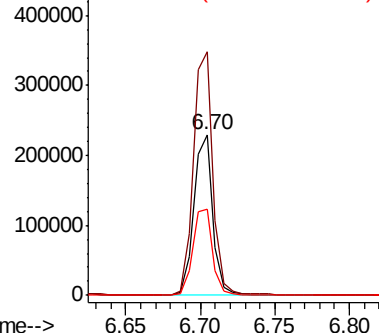


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

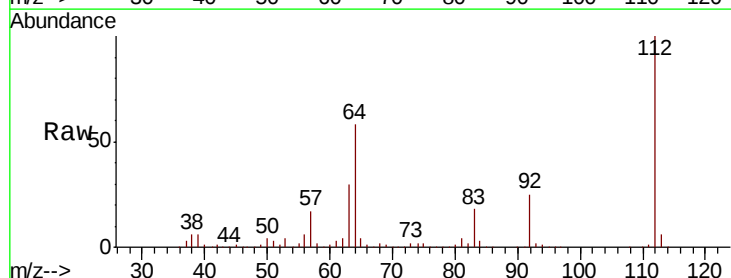
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 80.499 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	49.2	73.8
63	29.6	24.9	37.3

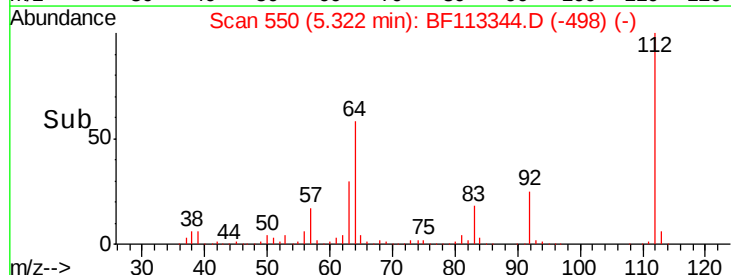
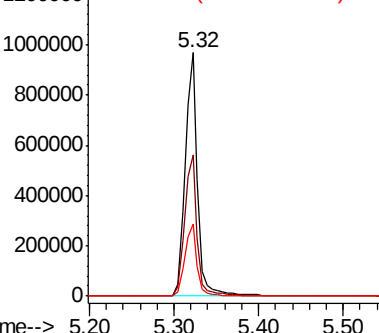


Abundance

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: 83.643 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Instrument :

BNA_F

ClientSampled :

P-5(0-10)

Tot Ion: 99 Resp: 1328148

Ion Ratio Lower Upper

99 100

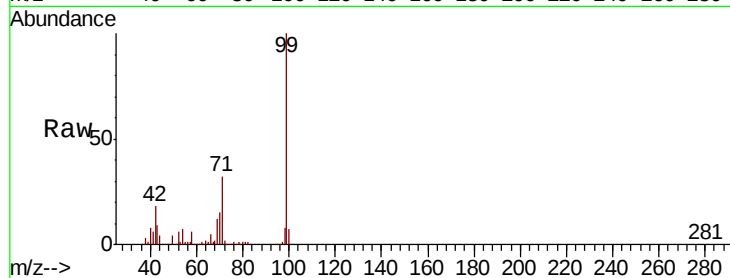
42 18.4 14.8 22.2

71 32.1 24.9 37.3

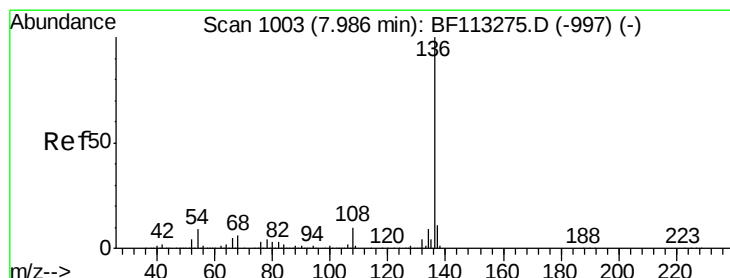
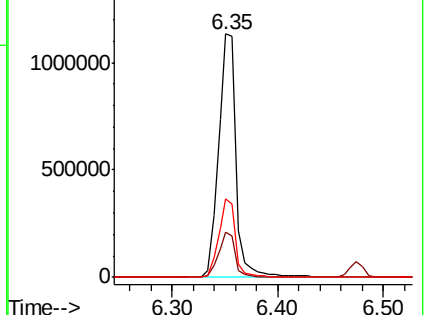
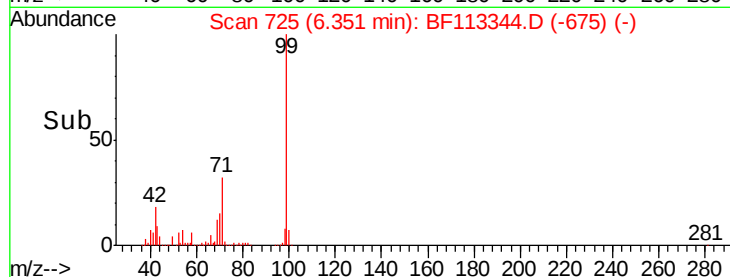
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Tgt Ion: 136 Resp: 767954

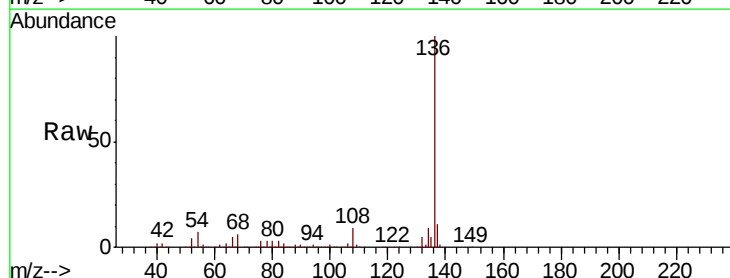
Ion Ratio Lower Upper

136 100

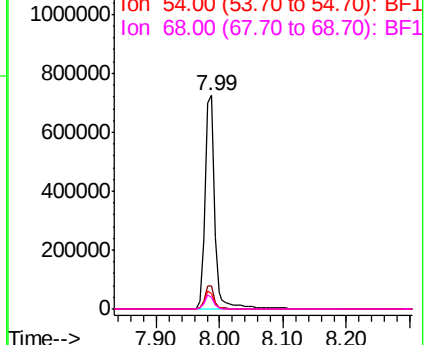
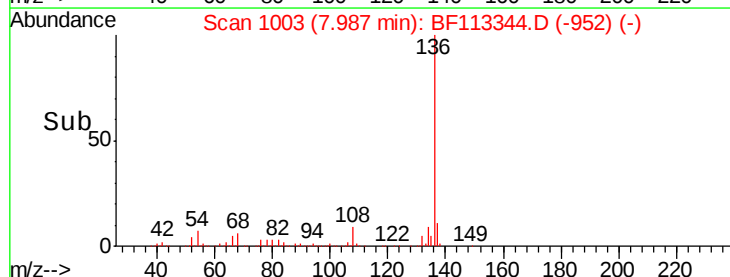
137 11.1 8.9 13.3

54 7.3 7.0 10.6

68 5.6 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





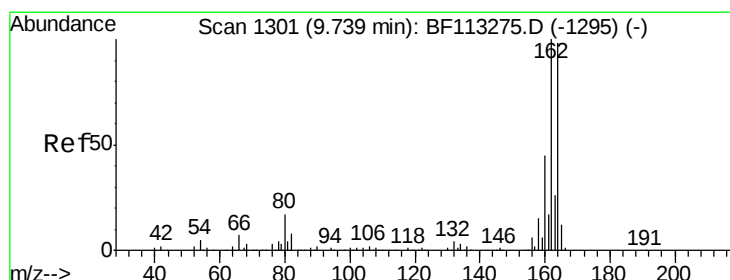
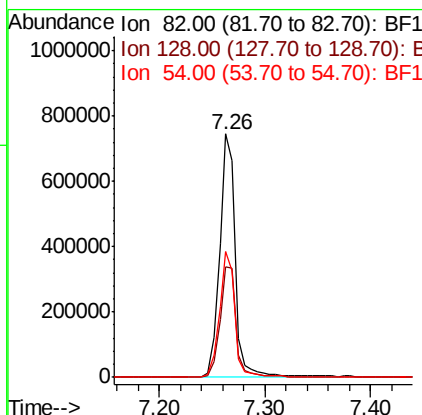
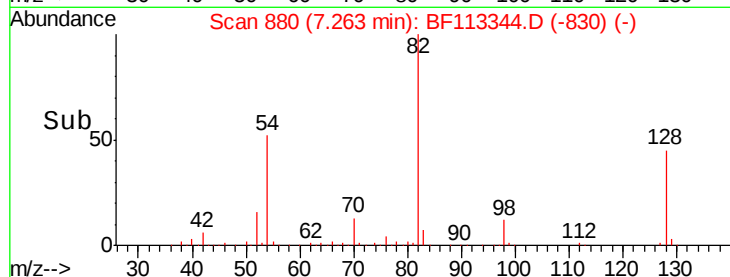
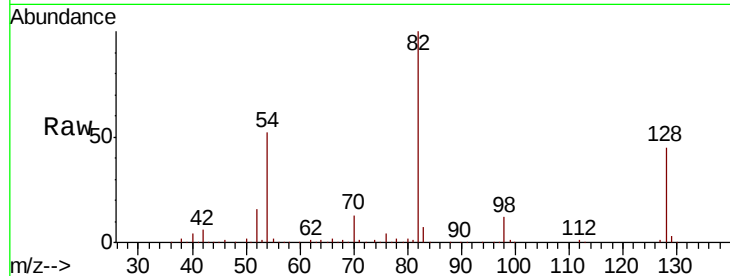
#23
Nitrobenzene-d5
Concen: 60.965 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.00 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Instrument :
BNA_F
ClientSampled :
P-5(0-10)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	788795		
128	45.2	36.5	54.7	
54	51.6	42.2	63.2	

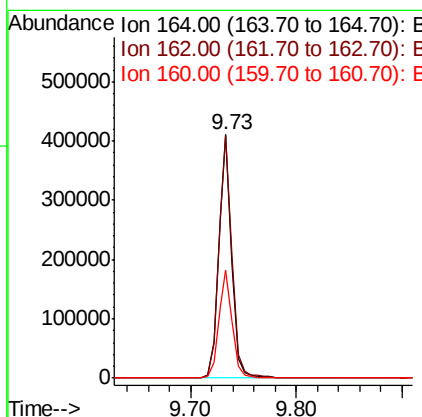
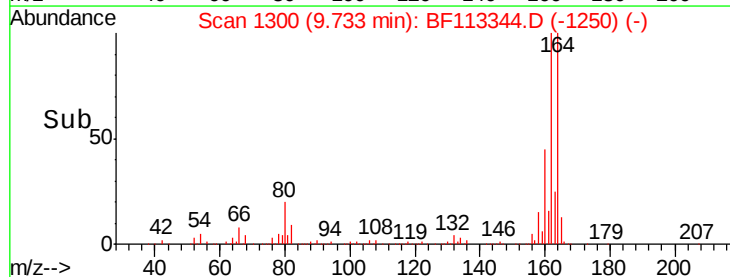
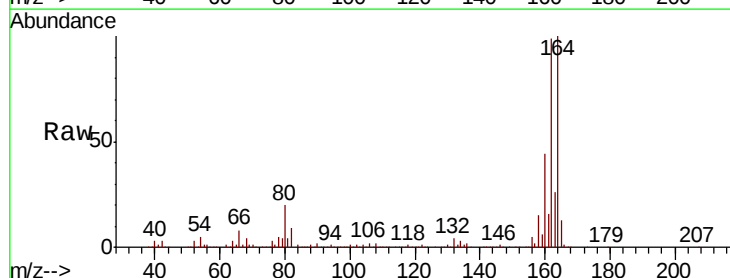
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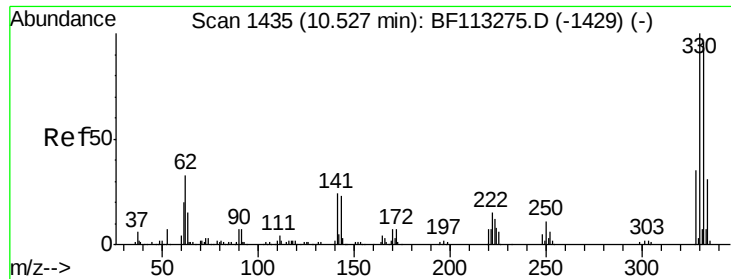
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	356149		
162	99.4	81.8	122.6	
160	44.4	36.4	54.6	





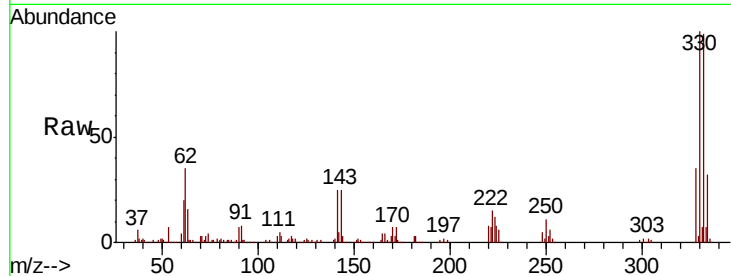
#42
 2,4,6-Tribromophenol
 Concen: 73.860 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113344.D
 Acq: 27 Mar 2019 21:33

Instrument :
 BNA_F
 ClientSampleId :
 P-5(0-10)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	324931		
332	98.2		77.8	116.6
141	28.4		22.7	34.1

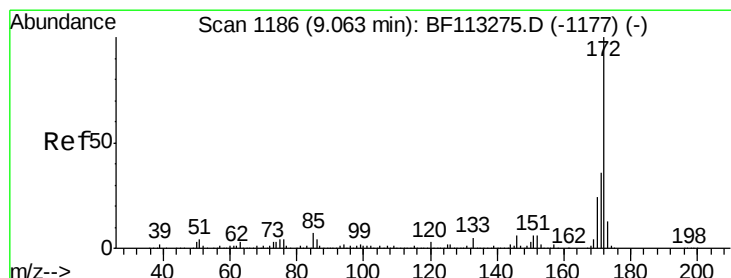
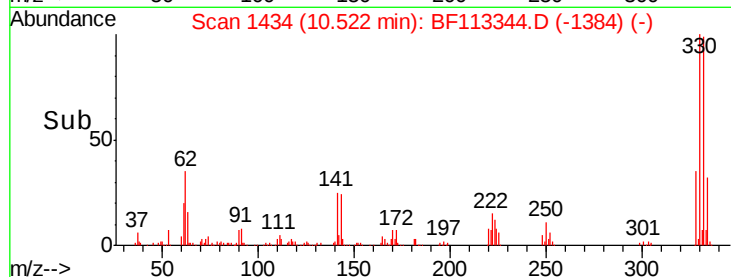
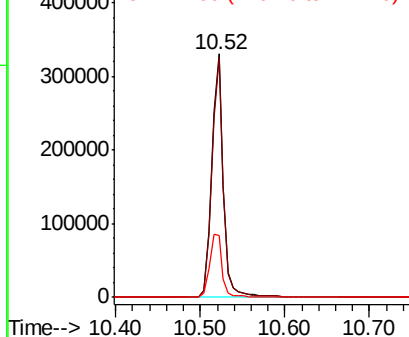
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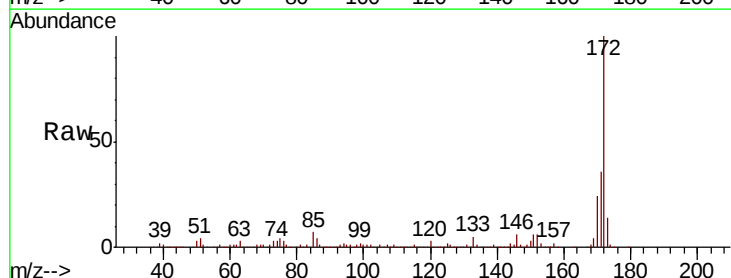
Abundance

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



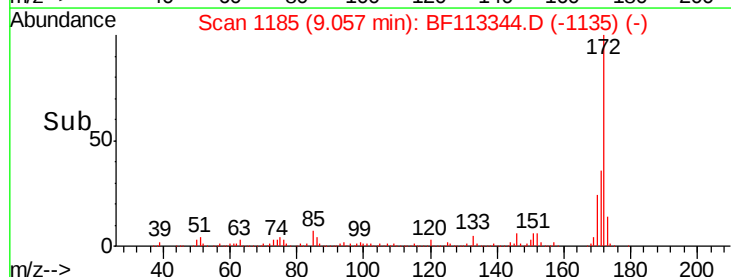
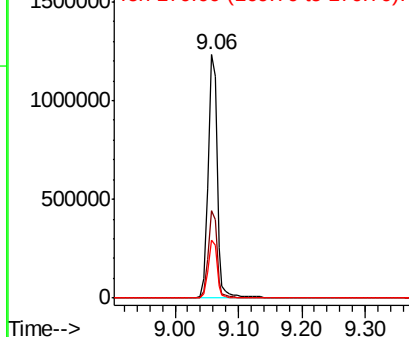
#45
 2-Fluorobiphenyl
 Concen: 46.236 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: BF113344.D
 Acq: 27 Mar 2019 21:33

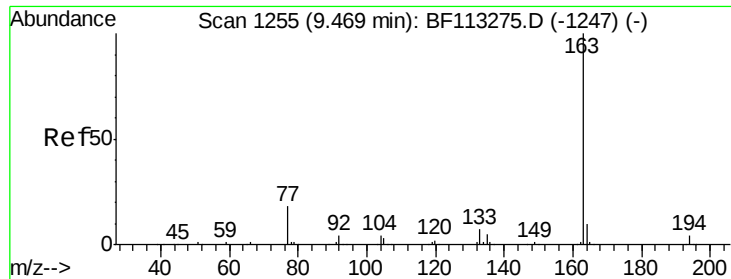
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1233386		
171	35.8		29.0	43.6
170	24.0		19.5	29.3



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





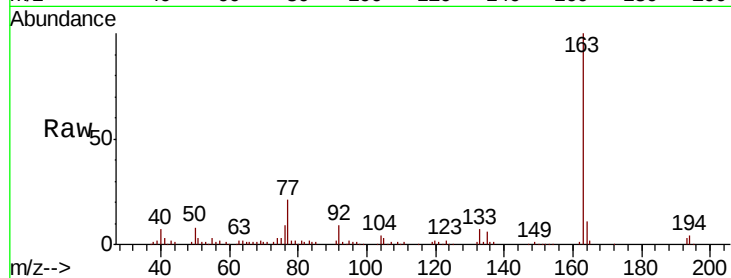
#50
Dimethylphthalate
Concen: 4.394 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Instrument :
BNA_F
ClientSampleId :
P-5(0-10)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	115983		
194	4.1		3.0	4.6
164	10.5		8.1	12.1

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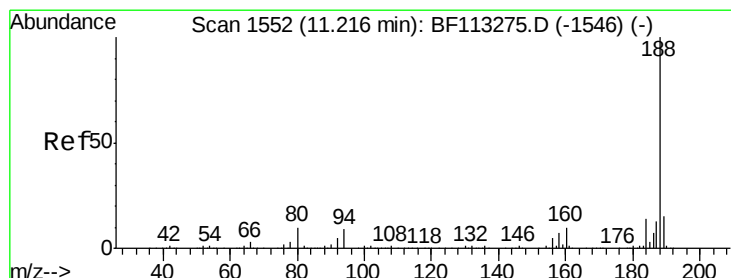
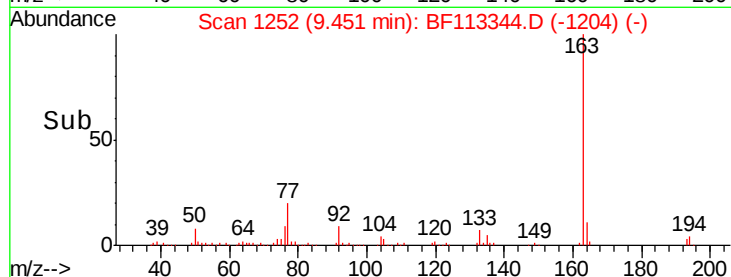
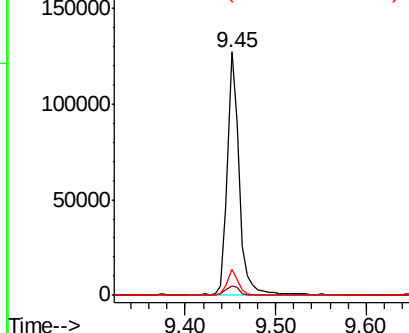


Abundance

Ion 163.00 (162.70 to 163.70): E

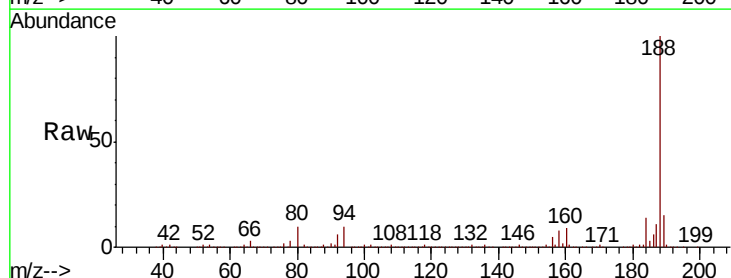
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	612622		
94	9.7		7.0	10.6
80	10.3		7.7	11.5

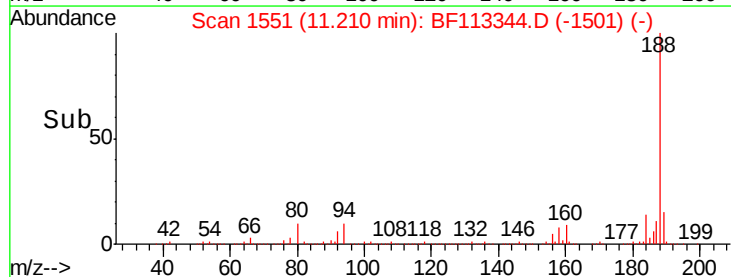
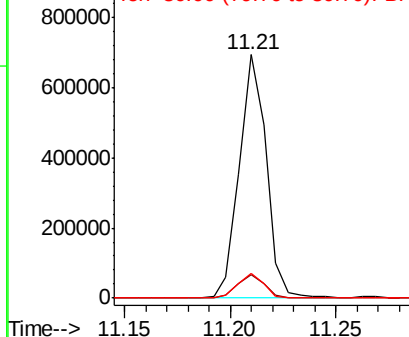


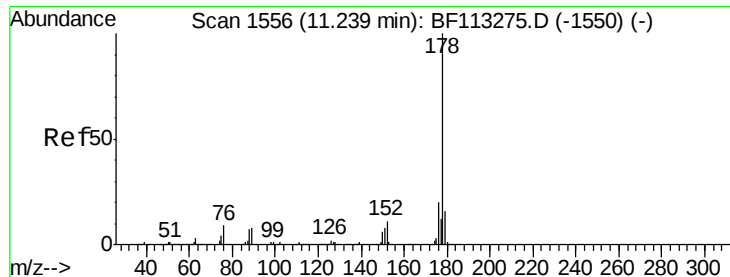
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 20.710 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Instrument :

BNA_F

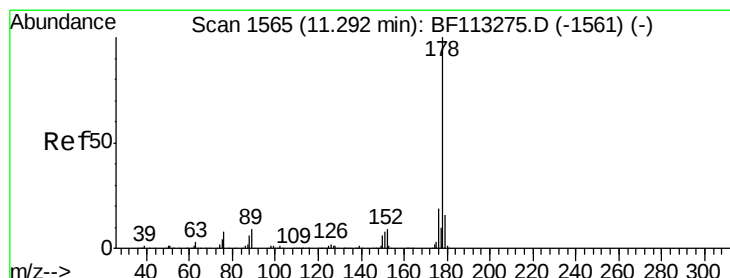
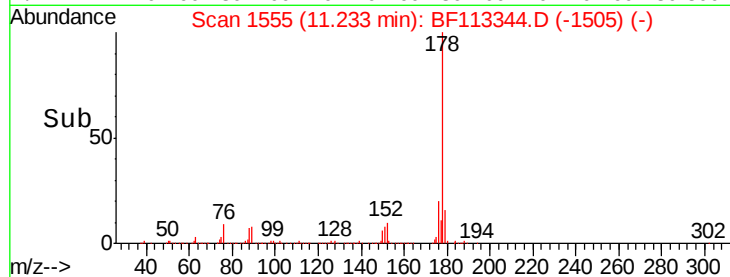
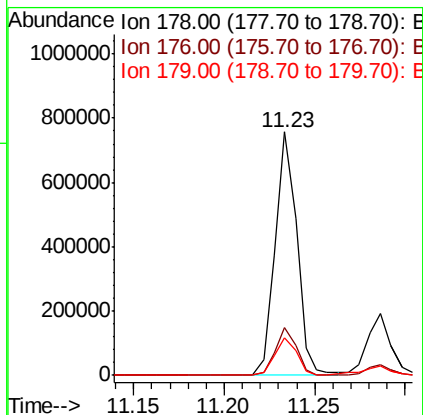
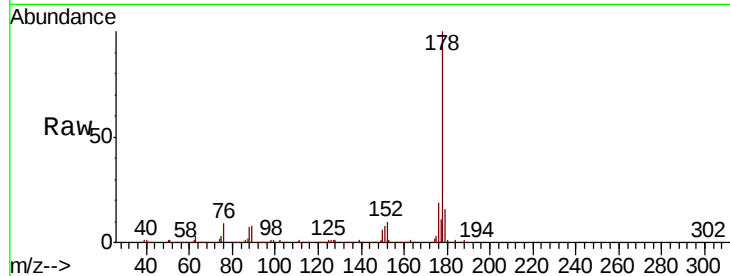
ClientSampled :

P-5(0-10)

Tot Ion:	178	Resp:	630054
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.2	24.2
179	15.7	12.7	19.1

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#72

Anthracene

Concen: 5.260 ng

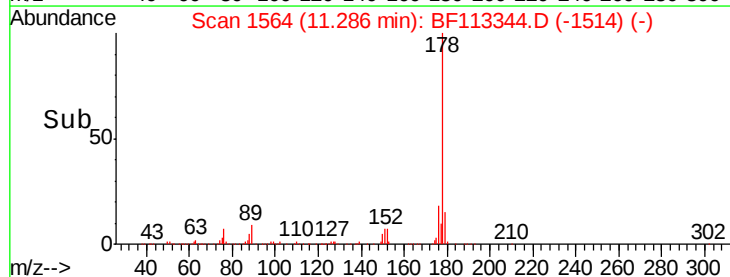
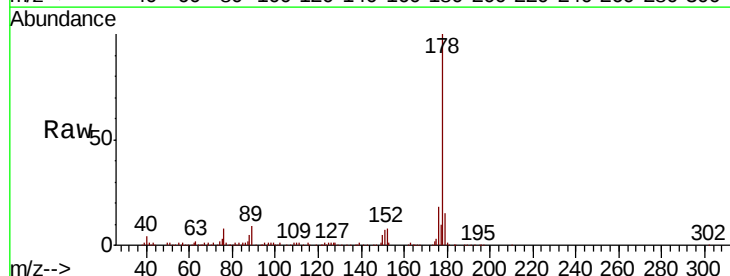
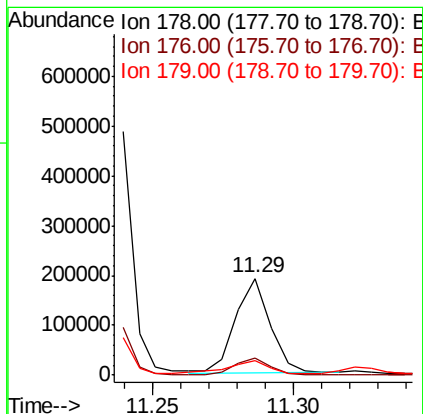
RT: 11.29 min Scan# 1564

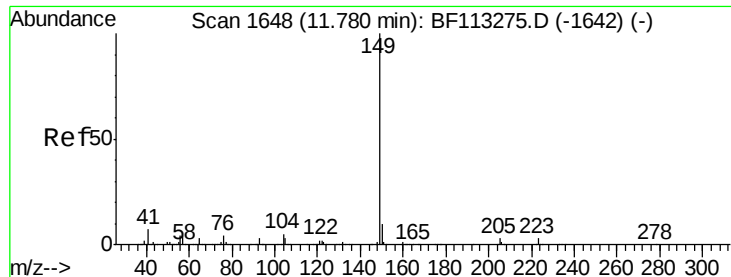
Delta R.T. -0.01 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Tgt Ion:	178	Resp:	162538
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.4	23.2
179	15.3	12.8	19.2





#74

Di-n-butylphthalate

Concen: 2.203 ng

RT: 11.77 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Instrument :

BNA_F

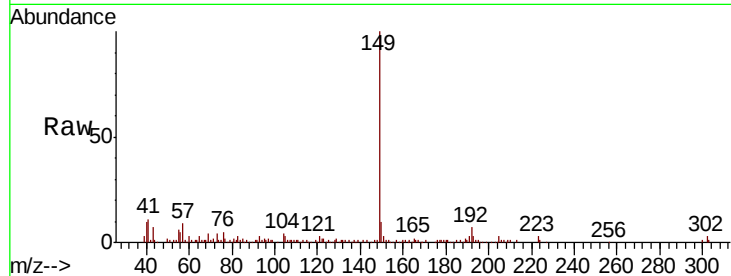
ClientSampleId :

P-5(0-10)

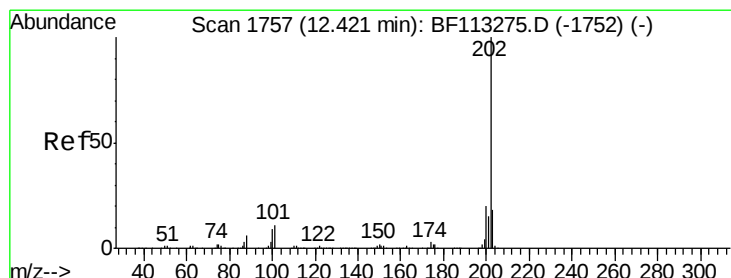
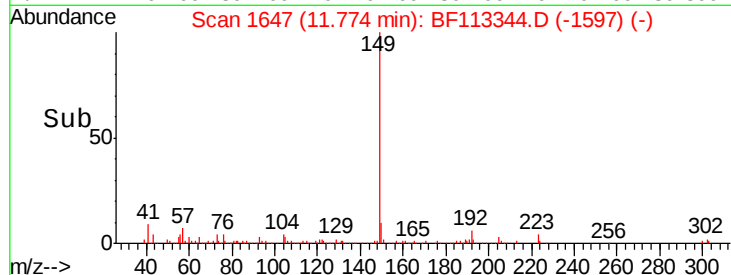
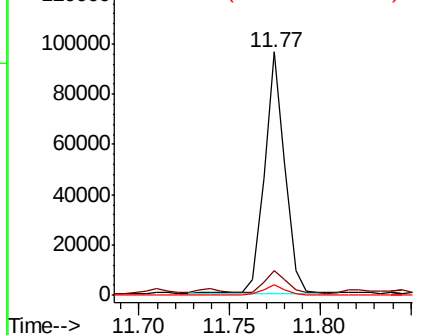
Tot Ion:	149	Resp:	75319
Ion Ratio	Lower	Upper	
149	100		
150	10.1	7.7	11.5
104	4.4	3.7	5.5

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 30.941 ng

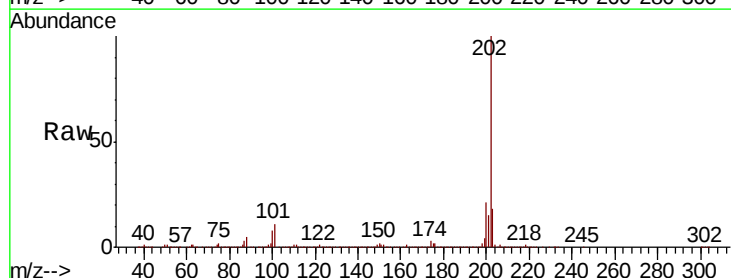
RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

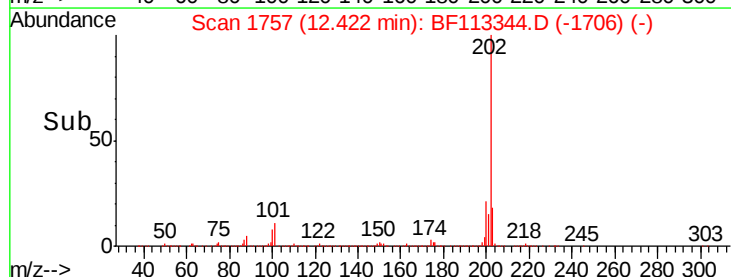
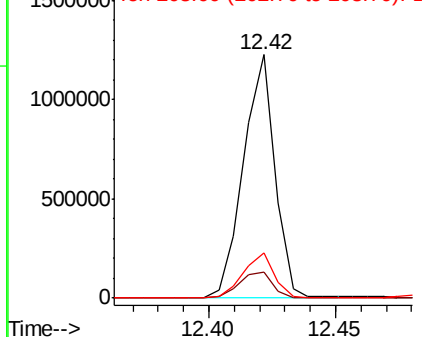
Lab File: BF113344.D

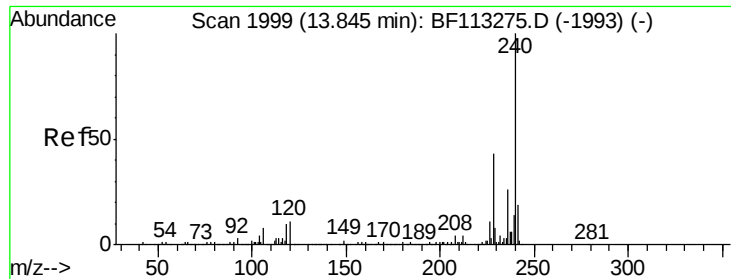
Acq: 27 Mar 2019 21:33

Tgt Ion:	202	Resp:	1064124
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	31.4
203	18.4	0.0	38.0



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





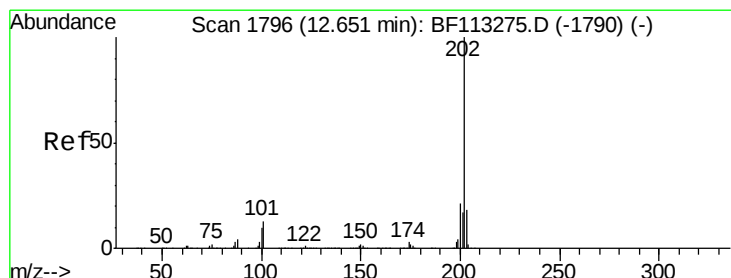
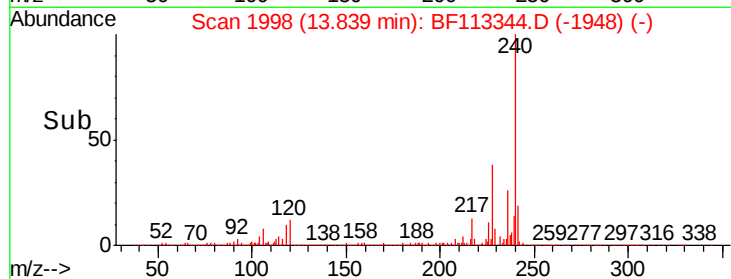
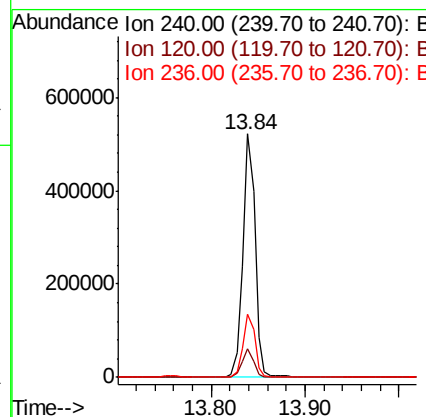
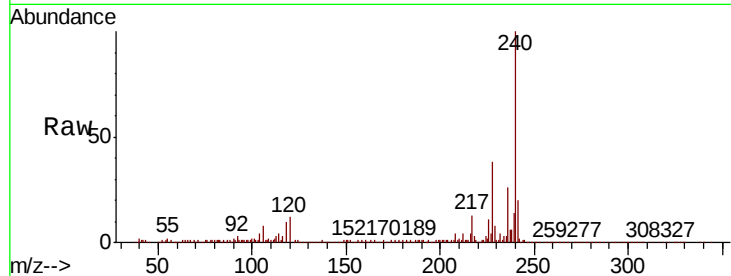
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Instrument :
BNA_F
ClientSampleId :
P-5(0-10)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.8	13.2
236	26.0	20.9	31.3

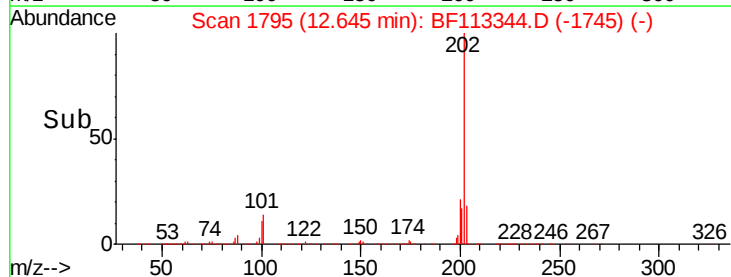
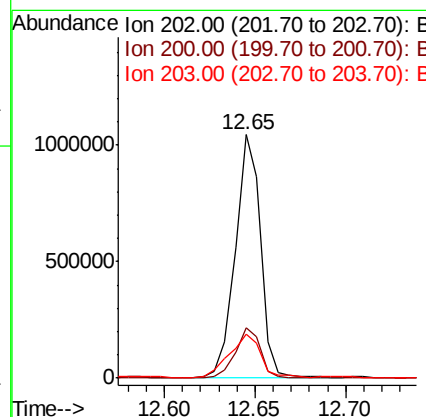
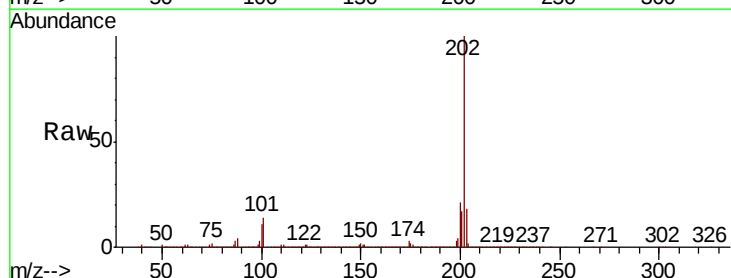
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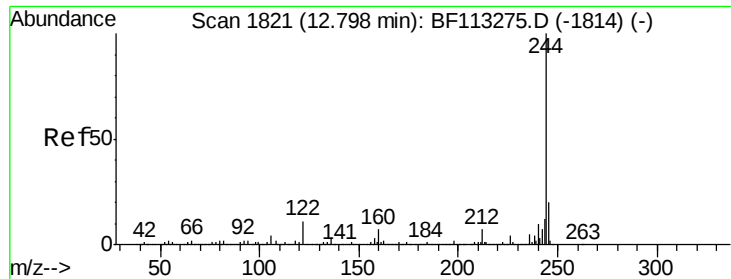
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#78
Pyrene
Concen: 31.181 ng
RT: 12.65 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	18.2	14.4	21.6





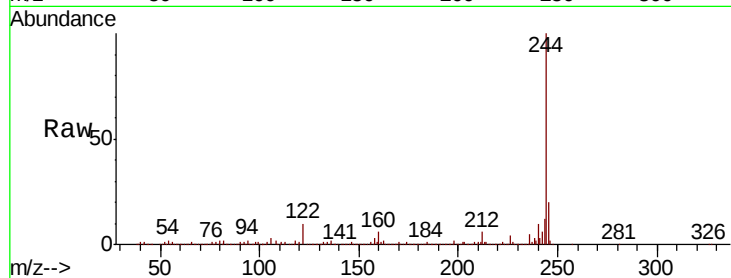
#79
 Terphenyl-d14
 Concen: 45.950 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BF113344.D
 Acq: 27 Mar 2019 21:33

Instrument :
 BNA_F
 ClientSampled :
 P-5(0-10)

Tot Ion	Ratio	Resp	Lower	Upper
244	100	973190		
212	6.3		5.5	8.3
122	10.0		8.6	13.0

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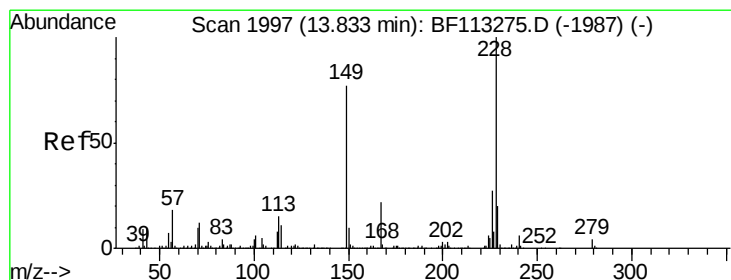
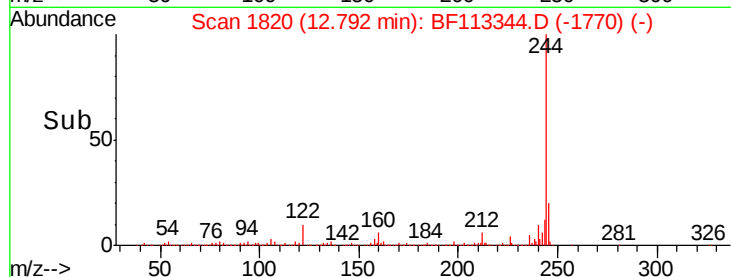
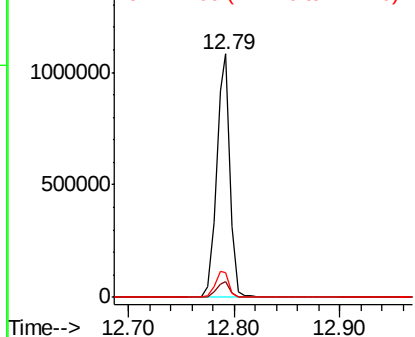


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 22.070 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BF113344.D
 Acq: 27 Mar 2019 21:33

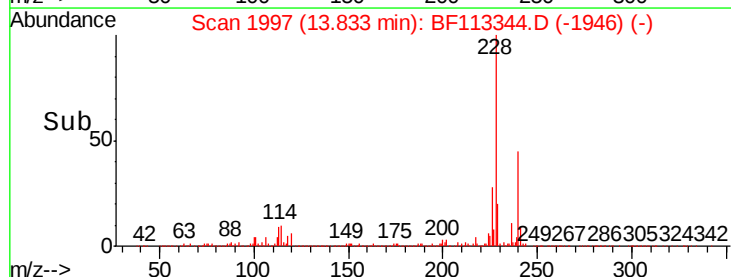
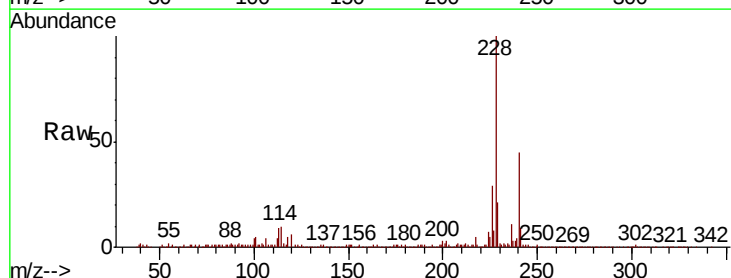
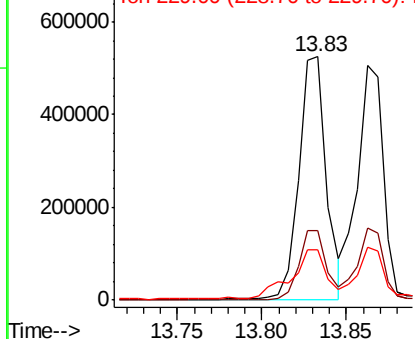
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	589768		
226	28.8		21.8	32.8
229	20.8		16.2	24.4

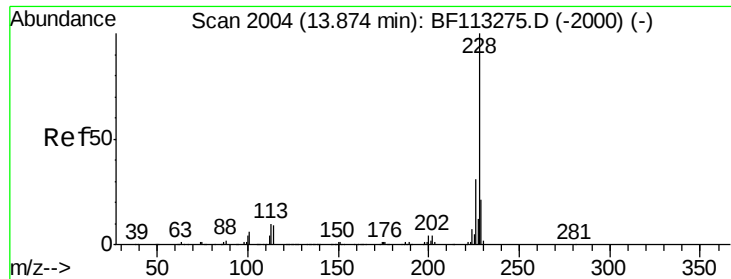
Abundance

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





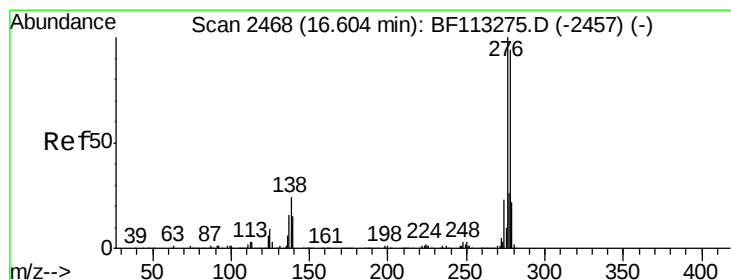
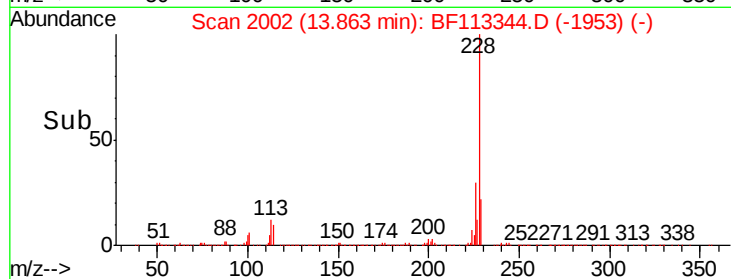
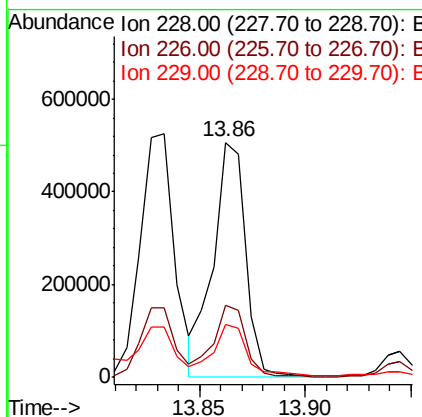
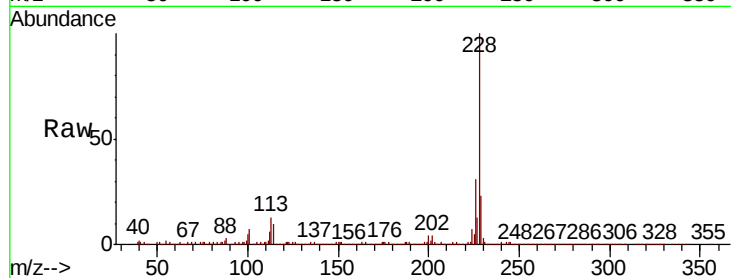
#83
Chrysene
Concen: 19.878 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Instrument :
BNA_F
ClientSampleId :
P-5(0-10)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.3	36.5
229	22.7	16.3	24.5

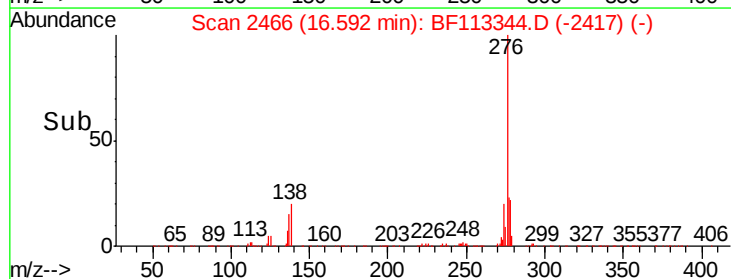
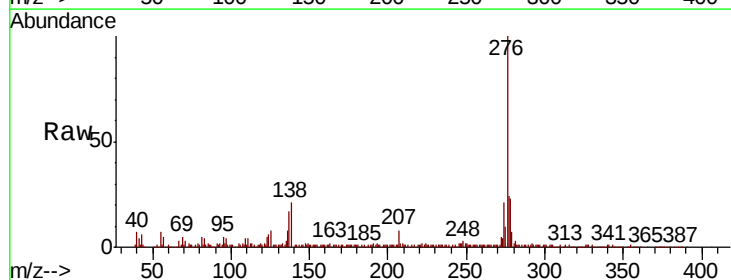
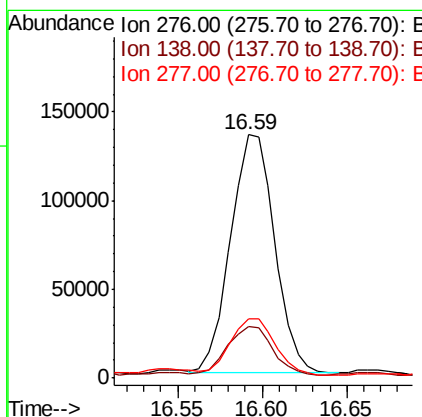
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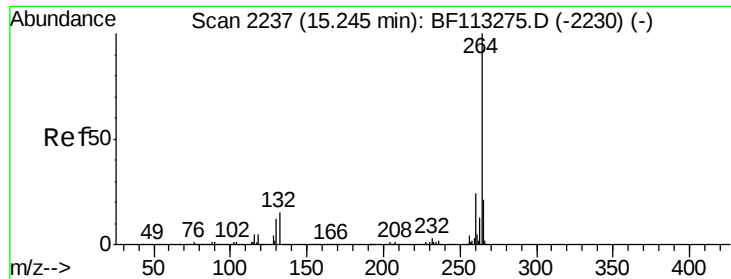
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#86
Indeno(1,2,3-cd)pyrene
Concen: 10.469 ng
RT: 16.59 min Scan# 2466
Delta R.T. -0.01 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	18.1	27.1
277	24.4	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.00 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Instrument :

BNA_F

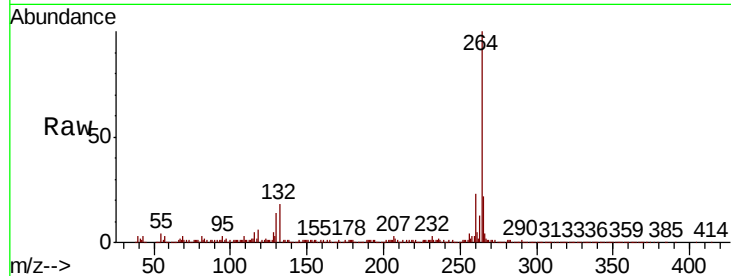
ClientSampleId :

P-5(0-10)

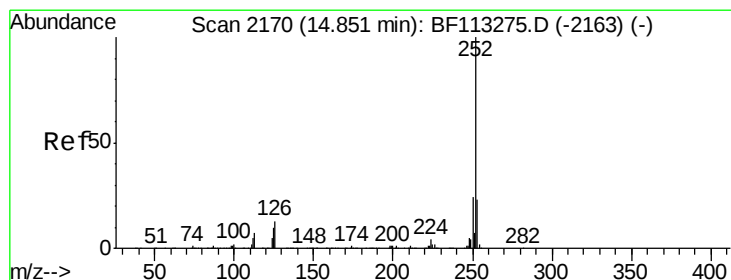
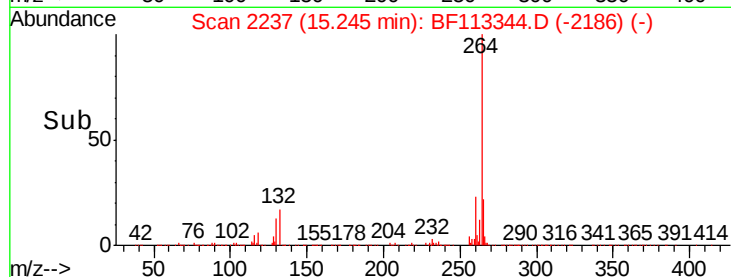
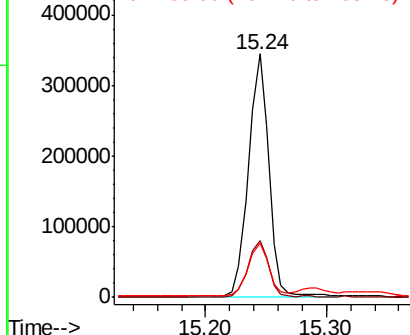
Tot Ion:	264	Resp:	406372
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.1	28.7
265	22.3	17.1	25.7

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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: 24.539 ng m

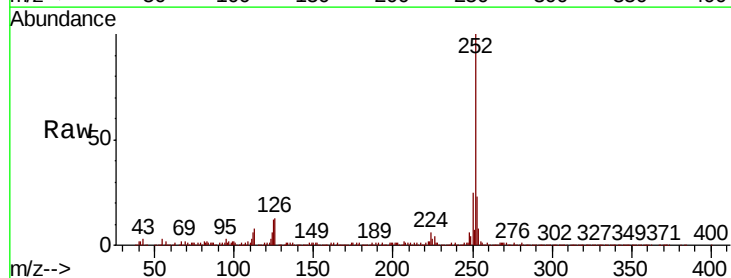
RT: 14.85 min Scan# 2170

Delta R.T. 0.00 min

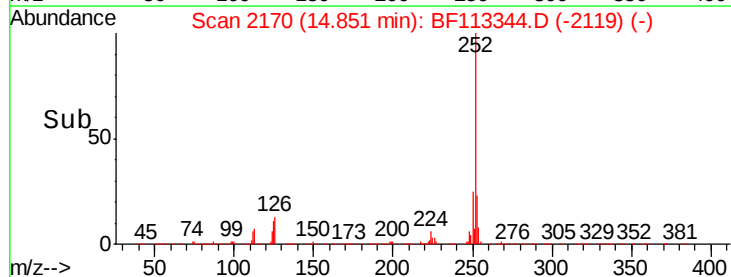
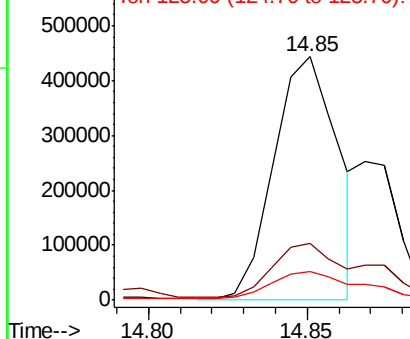
Lab File: BF113344.D

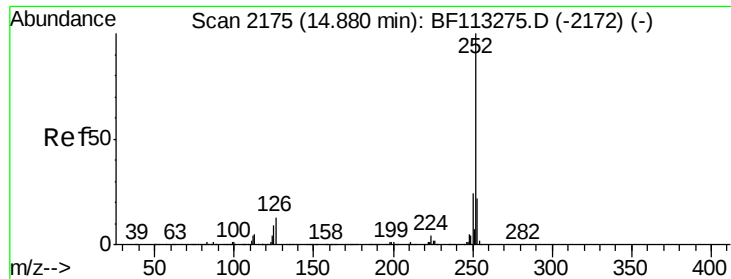
Acq: 27 Mar 2019 21:33

Tgt Ion:	252	Resp:	619462
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.0	27.0
125	11.6	7.6	11.4#



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: 10.374 ng/mL

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Instrument :

BNA_F

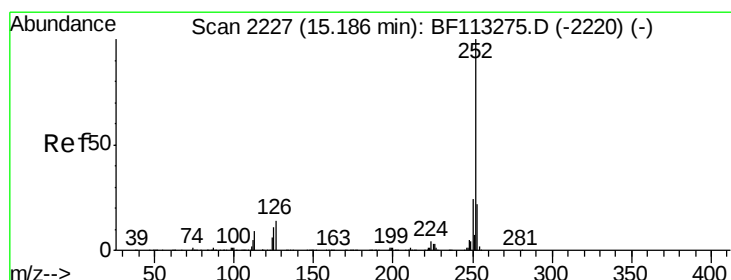
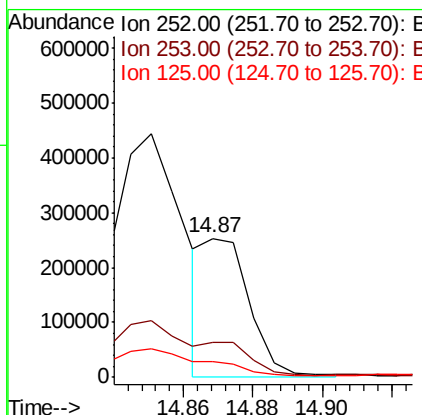
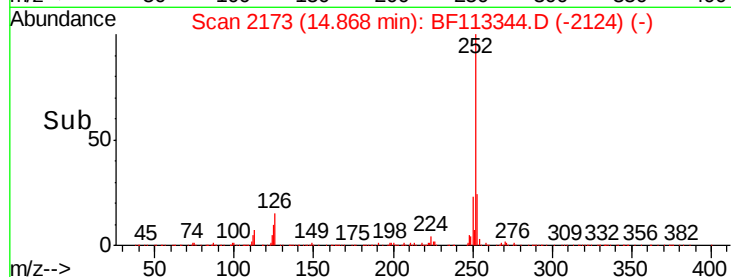
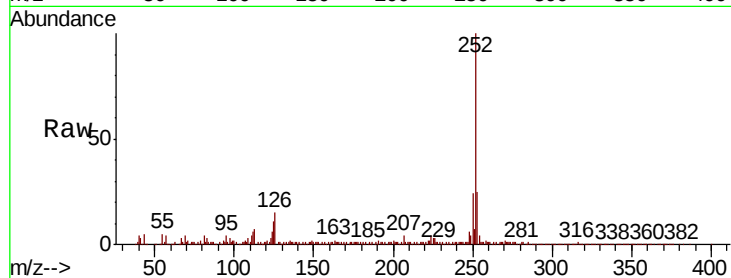
ClientSampled :

P-5(0-10)

Tot Ion:	252	Resp:	229975
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.7	26.5
125	11.4	7.3	10.9

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#90

Benzo(a)pyrene

Concen: 19.856 ng/mL

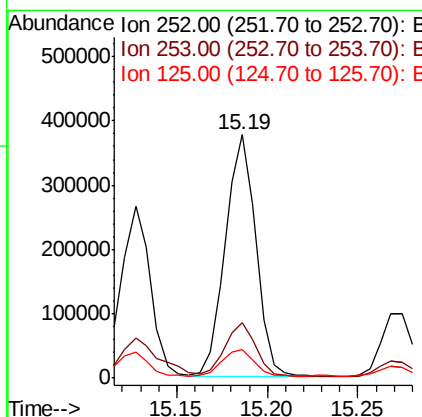
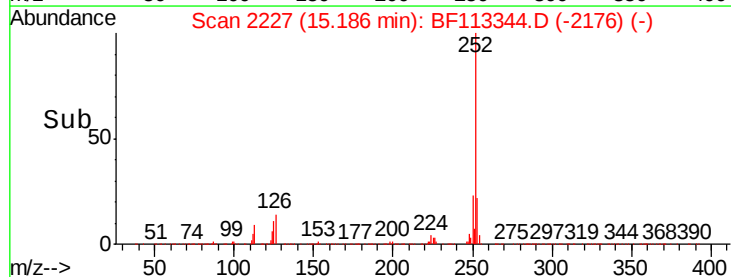
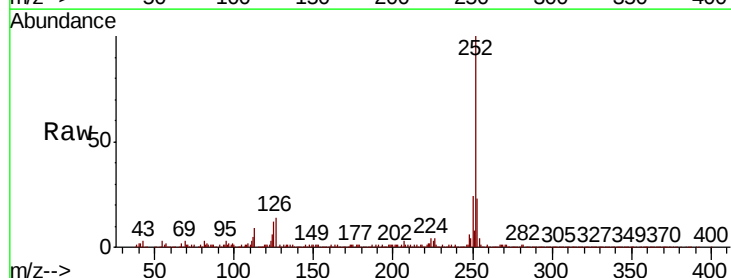
RT: 15.19 min Scan# 2227

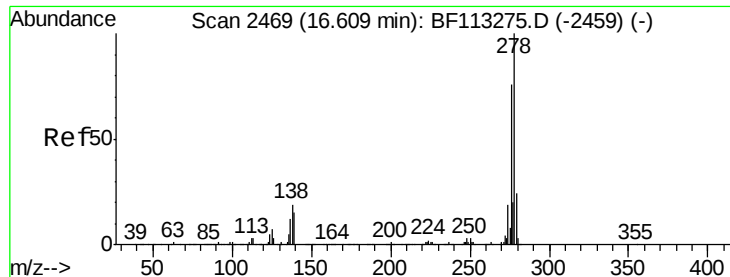
Delta R.T. 0.00 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Tgt Ion:	252	Resp:	444364
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	11.5	8.8	13.2





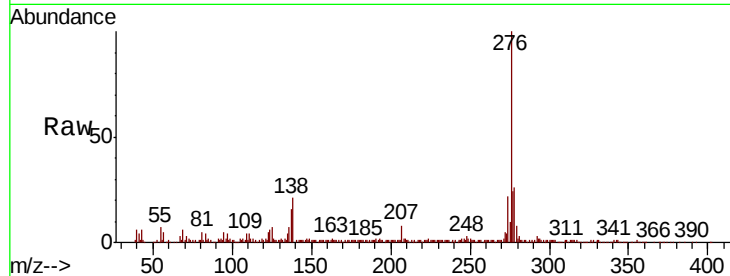
#91
Dibenzo(a,h)anthracene
Concen: 3.678 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Instrument :
BNA_F
ClientSampleId :
P-5(0-10)

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

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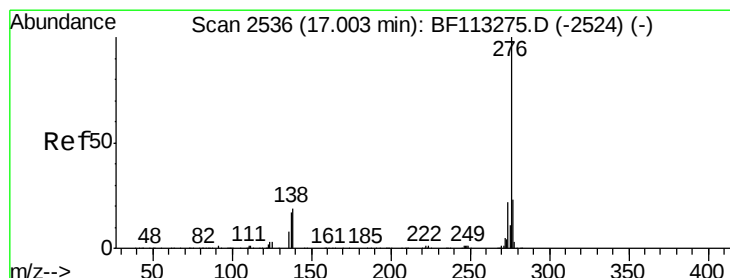
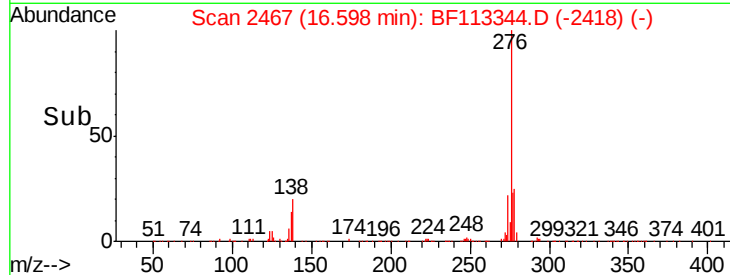
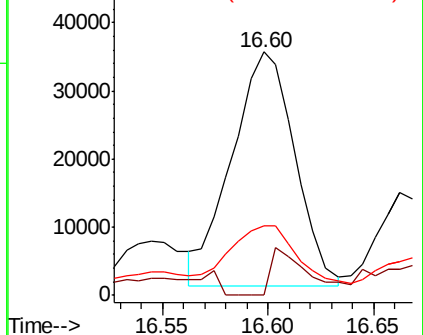


Abundance

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(g,h,i)perylene
Concen: 12.098 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.00 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	20.5	15.6	23.4

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

