

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
 Data File : BF111201.D
 Acq On : 7 Dec 2018 21:49
 Operator : JU/SJ
 Sample : J6214-09 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-2)

Manual Integrations
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Sohil
 12/11/2018 8:44:49 AM

Quant Time: Dec 10 13:36:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	448283	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1504679	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	911030	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1057689	20.00	ng	0.00
76) Chrysene-d12	13.96	240	1050695	20.00	ng	0.00
87) Perylene-d12	15.39	264	812368	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	664132	23.12	ng	0.00
7) Phenol-d6	6.42	99	913628	24.69	ng	-0.01
23) Nitrobenzene-d5	7.36	82	405058	15.94	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	126627	17.49	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	827933	2.95	ng	0.00
79) Terphenyl-d14	12.90	244	449403	8.76	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.55	163	150367	2.372	ng	98
71) Phenanthrene	11.34	178	465179	9.143	ng	94
72) Anthracene	11.39	178	130531	2.545	ng	93
75) Fluoranthene	12.53	202	547293	10.993	ng	97
78) Pyrene	12.76	202	483578	5.908	ng	95
81) Benzo(a)anthracene	13.94	228	339163	5.509	ng	99
83) Chrysene	13.98	228	349705	5.722	ng	97
86) Indeno(1,2,3-cd)pyrene	16.79	276	102308m	2.085	ng	
88) Benzo(b)fluoranthene	14.98	252	365944m	7.950	ng	
90) Benzo(a)pyrene	15.33	252	232007	5.495	ng	95
92) Benzo(g,h,i)perylene	17.22	276	111916	3.143	ng	95

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

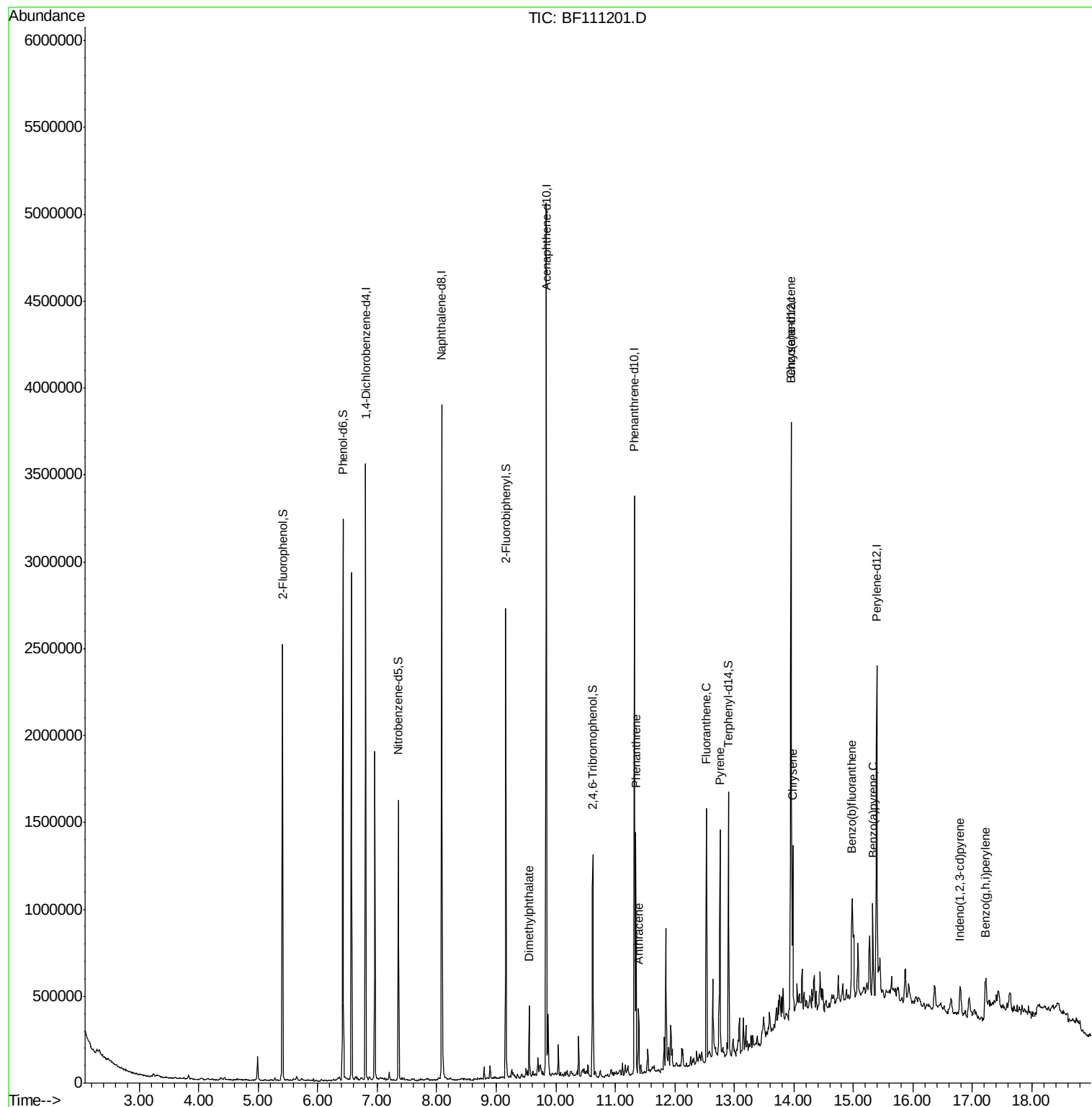
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111201.D
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ALS Vial : 25 Sample Multiplier: 1

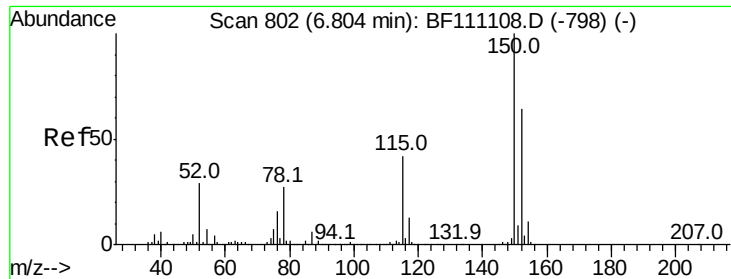
Instrument :
BNA_F
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SB-4(0-2)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

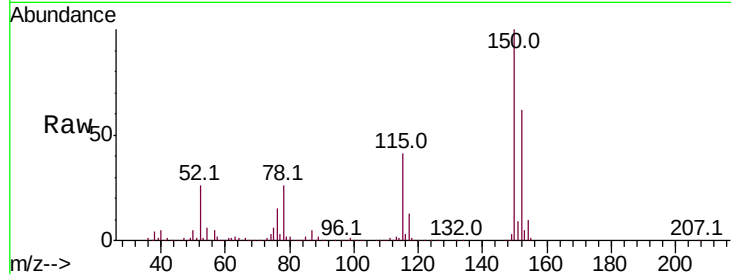
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.6	187.0
115	65.7	52.2	78.2

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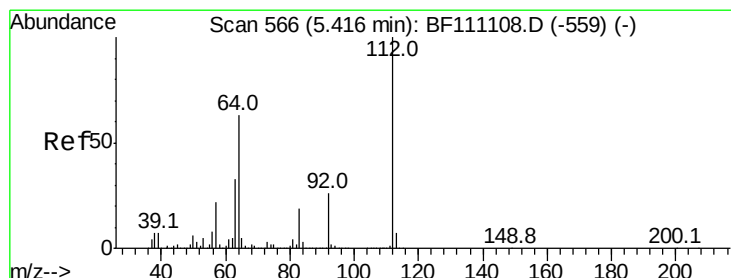
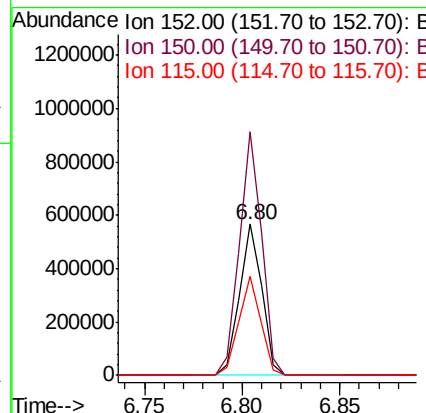
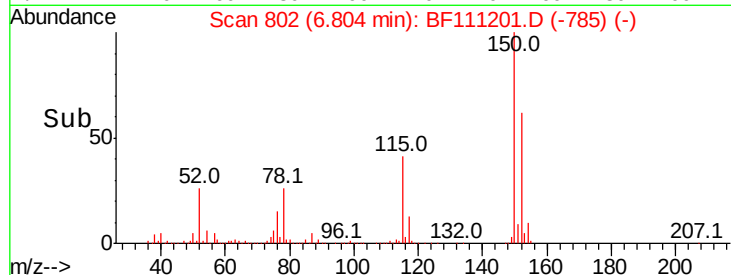


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

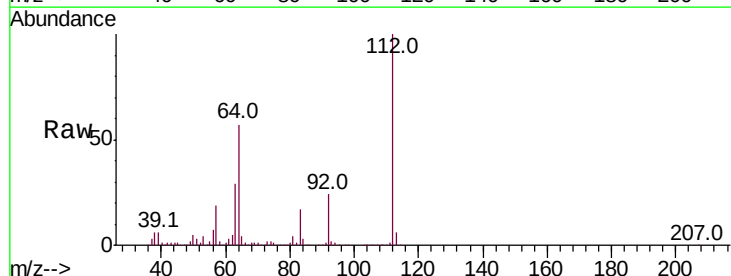
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 23.118 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	50.2	75.4
63	28.7	26.6	39.8

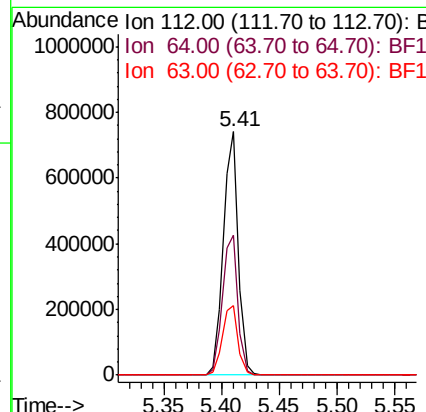
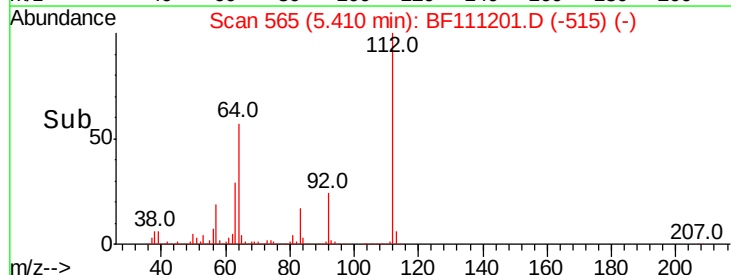


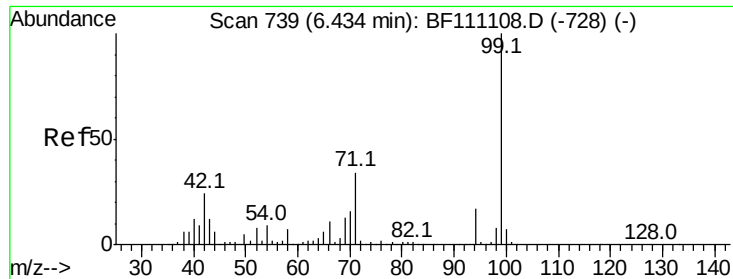
Abundance

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: 24.688 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Instrument :

BNA_F

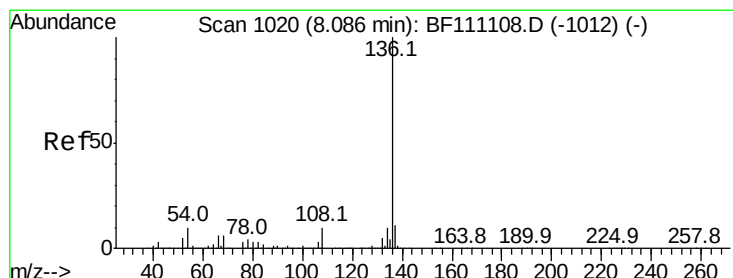
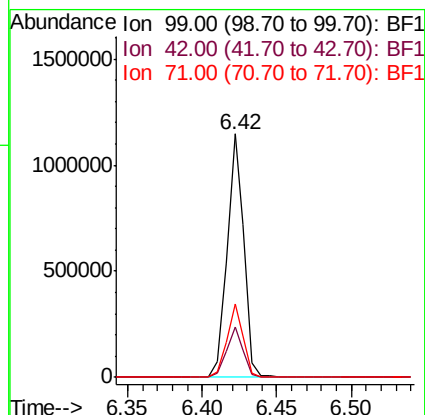
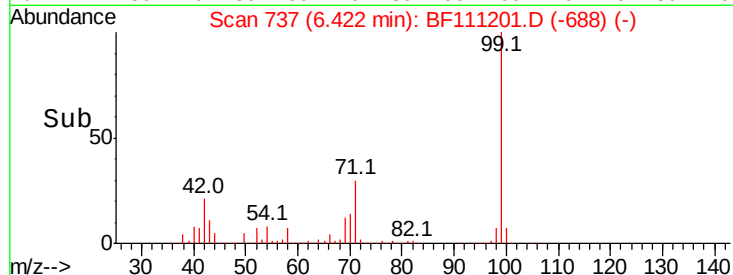
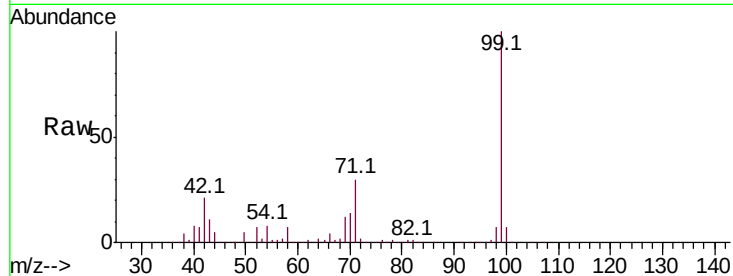
ClientSampleId :

SB-4(0-2)

Tot Ion:	99	Resp:	913628
Ion Ratio	Lower	Upper	
99	100		
42	20.8	19.3	28.9
71	30.1	27.4	41.2

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#21

Naphthalene-d8

Concen: 20.000 ng

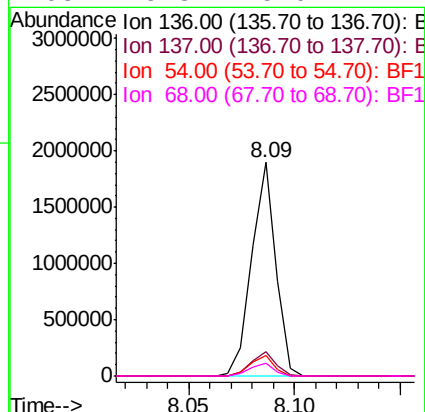
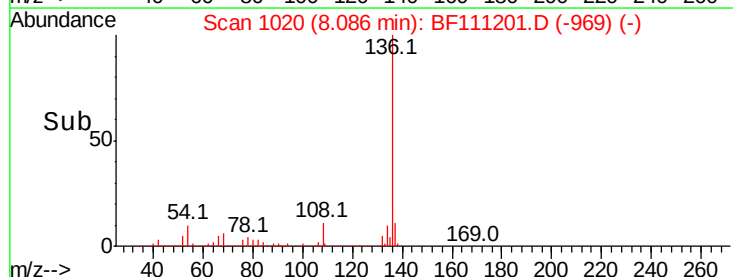
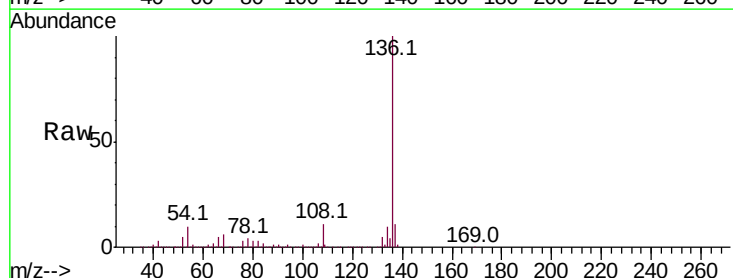
RT: 8.09 min Scan# 1020

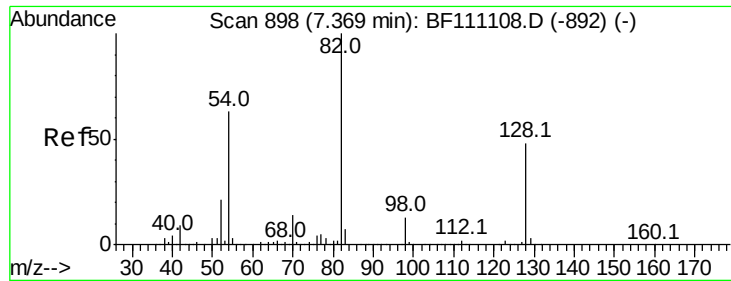
Delta R.T. -0.00 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Tgt Ion:	136	Resp:	1504679
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.6
54	9.8	8.4	12.6
68	5.8	5.0	7.4





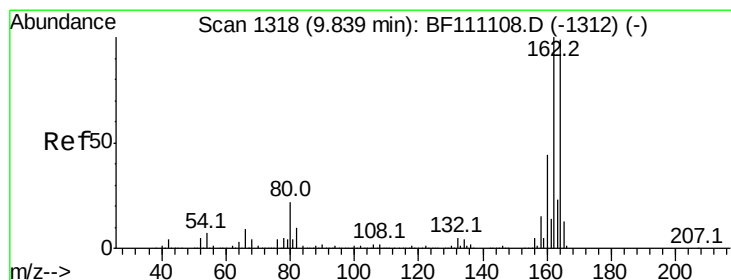
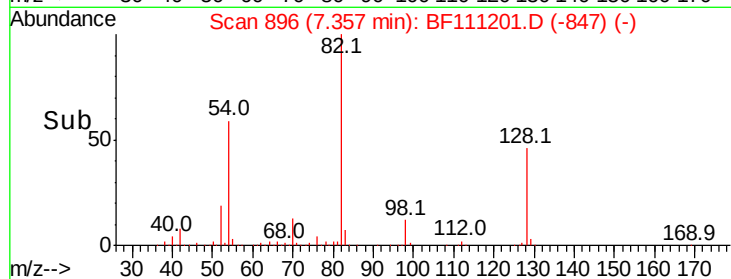
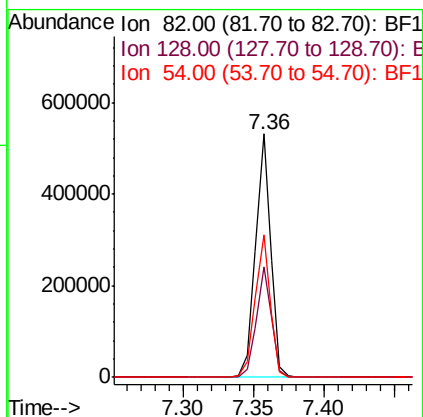
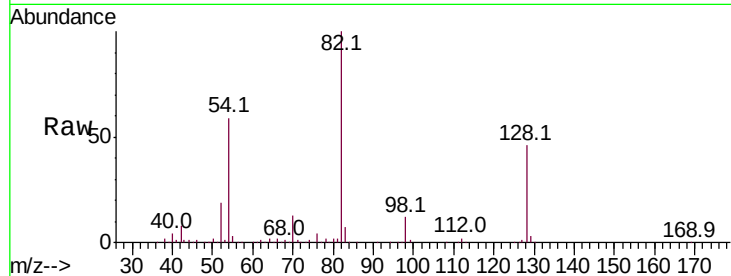
#23
Nitrobenzene-d5
Concen: 15.937 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Instrument :
BNA_F
ClientSampled :
SB-4(0-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	38.1	57.1
54	58.7	50.3	75.5

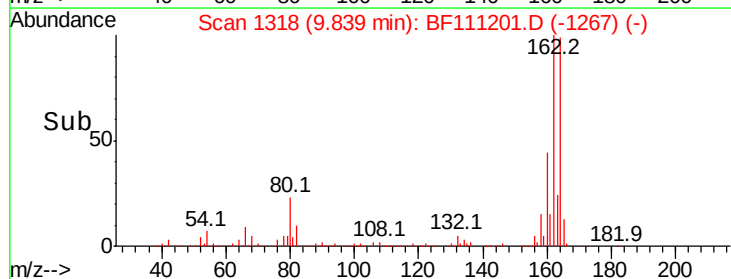
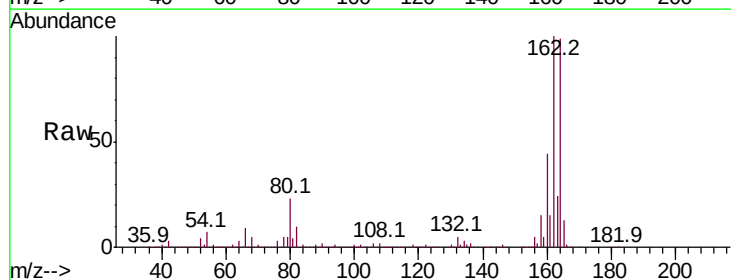
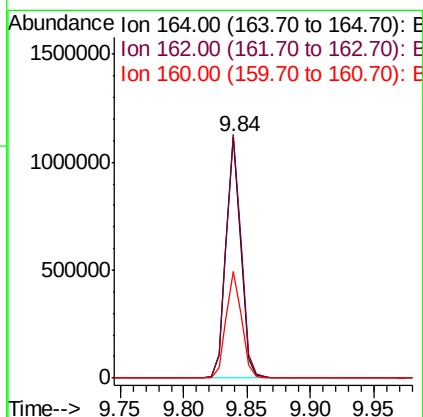
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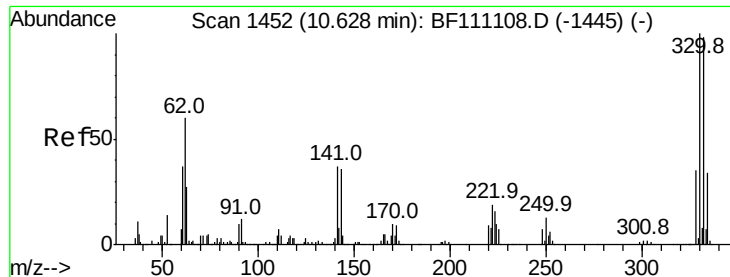
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.0	35.5	53.3





#42

2,4,6-Tribromophenol

Concen: 17.486 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Instrument :

BNA_F

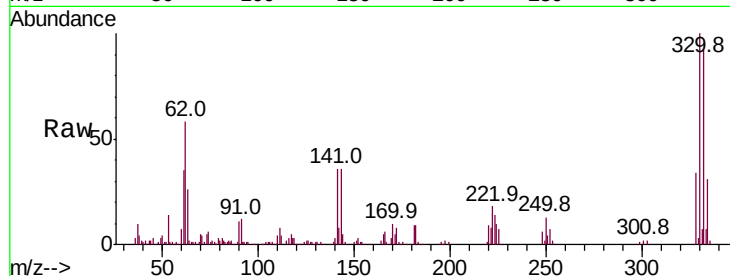
ClientSampleId :

SB-4(0-2)

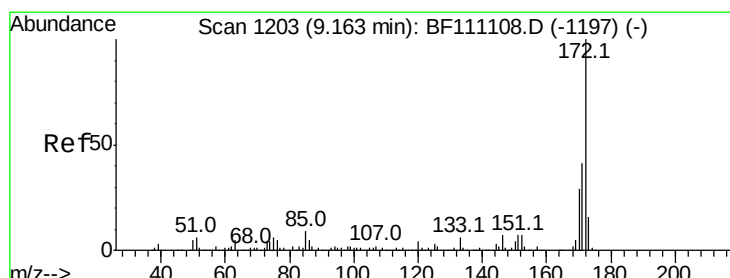
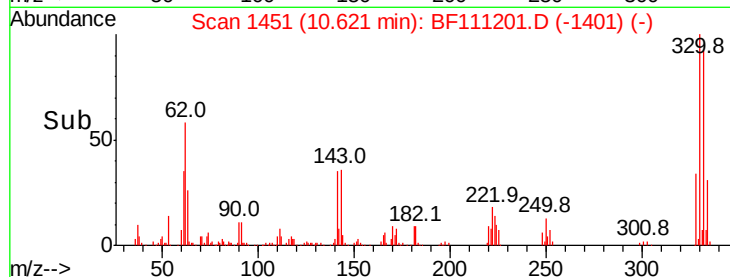
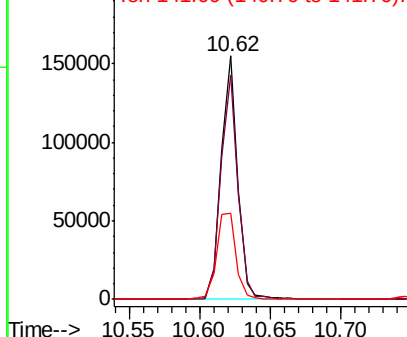
Tot Ion:	330	Resp:	126627
Ion Ratio	Lower	Upper	
330	100		
332	94.3	77.2	115.8
141	41.9	36.1	54.1

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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: 2.946 ng

RT: 9.16 min Scan# 1203

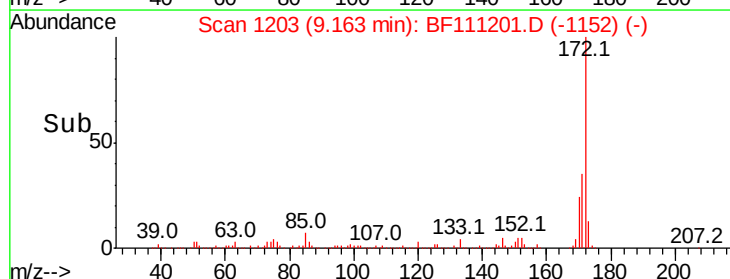
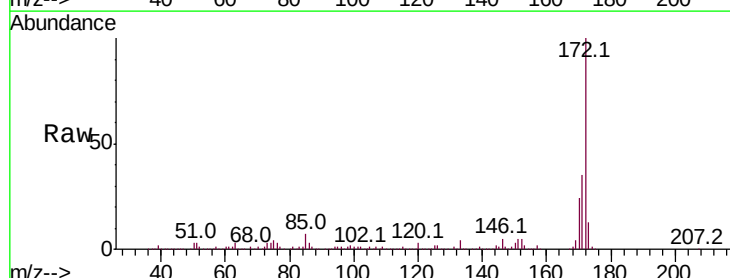
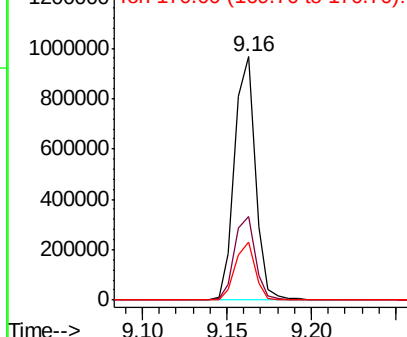
Delta R.T. 0.00 min

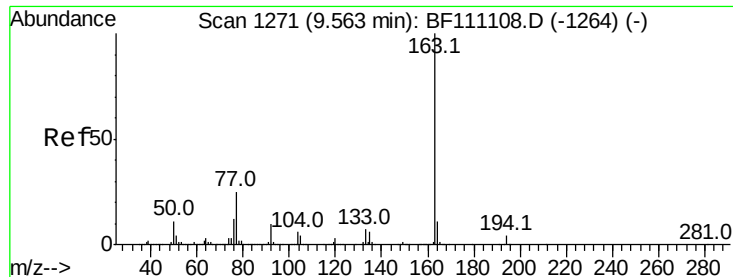
Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Tgt Ion:	172	Resp:	827933
Ion Ratio	Lower	Upper	
172	100		
171	34.5	33.2	49.8
170	23.7	22.9	34.3

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: 2.372 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Instrument :

BNA_F

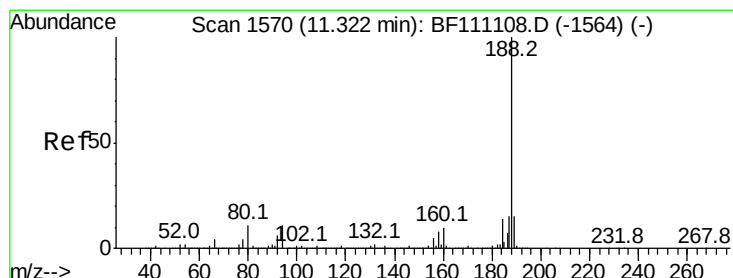
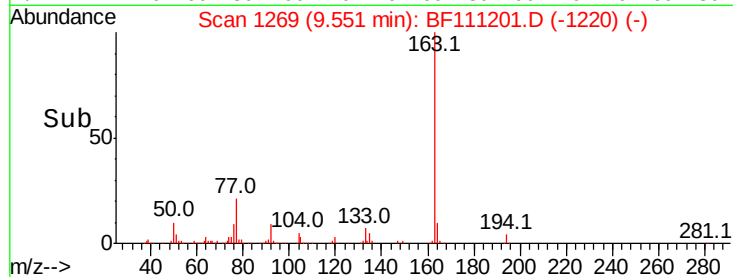
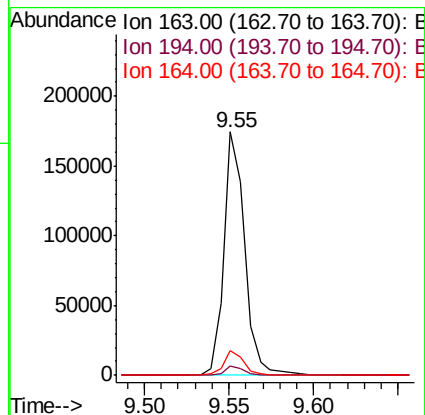
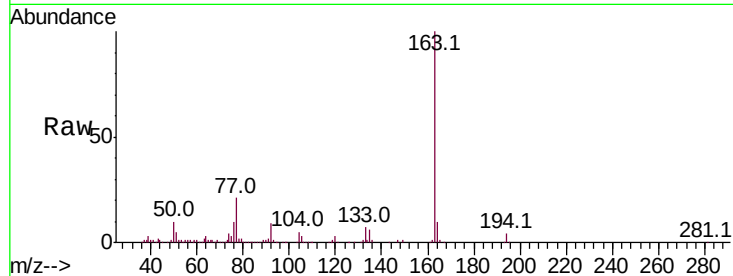
ClientSampleId :

SB-4(0-2)

Tot Ion:	163	Resp:	150367
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.4
164	10.0	8.9	13.3

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#64

Phenanthrene-d10

Concen: 20.000 ng

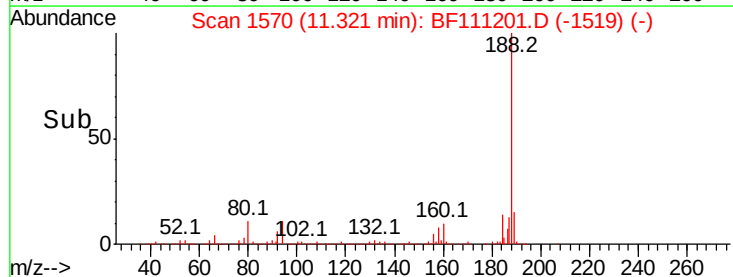
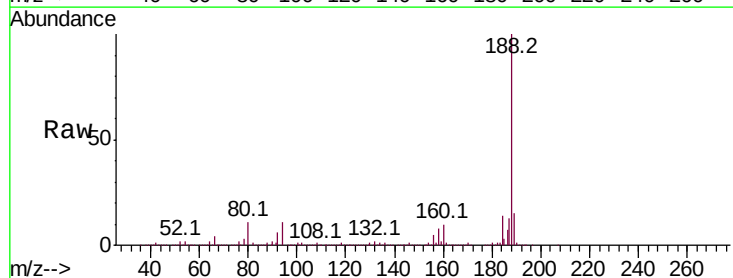
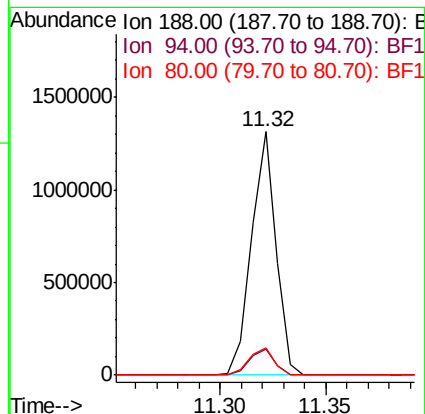
RT: 11.32 min Scan# 1570

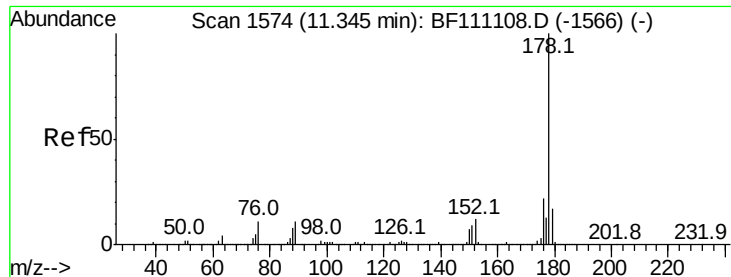
Delta R.T. -0.00 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Tgt Ion:	188	Resp:	1057689
Ion Ratio	Lower	Upper	
188	100		
94	10.5	8.5	12.7
80	11.1	9.0	13.6





#71

Phenanthrene

Concen: 9.143 ng

RT: 11.34 min Scan# 1574

Delta R.T. -0.00 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Instrument :

BNA_F

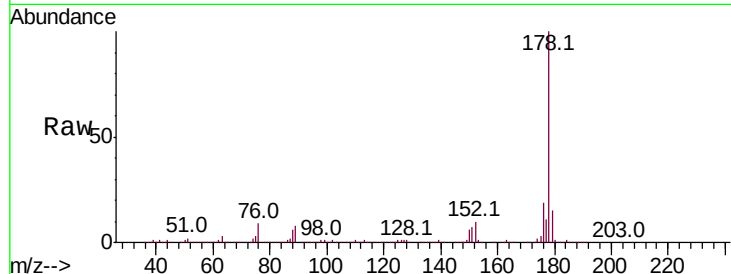
ClientSampleId :

SB-4(0-2)

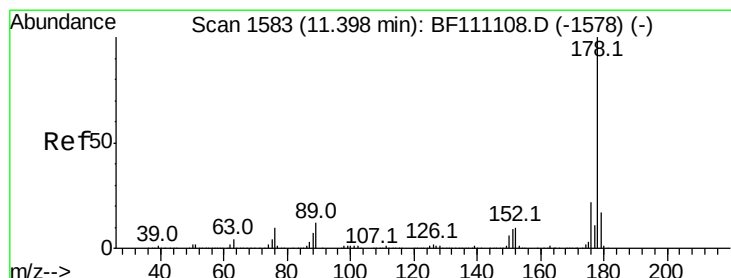
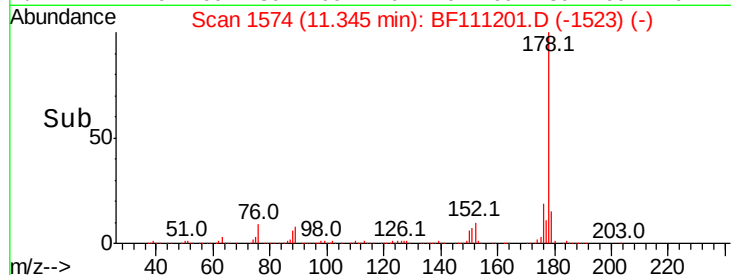
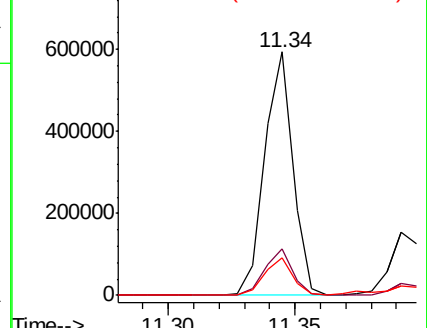
Tot Ion:178	Resp:	465179
Ion Ratio	Lower	Upper
178	100	
176	18.9	17.7 26.5
179	15.4	14.0 21.0

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Abundance Ion 178.00 (177.70 to 178.70): E
800000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.545 ng

RT: 11.39 min Scan# 1582

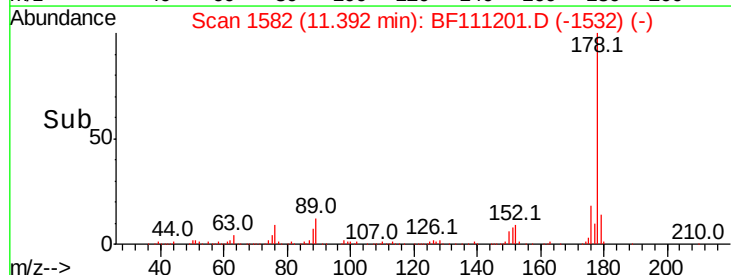
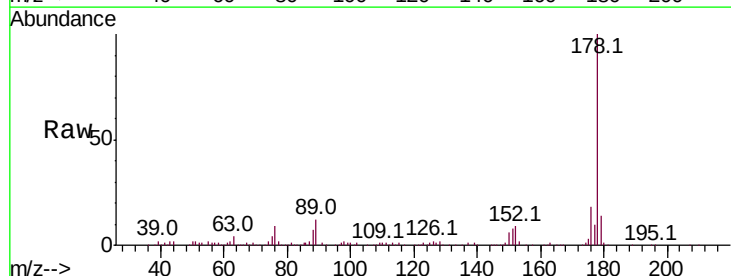
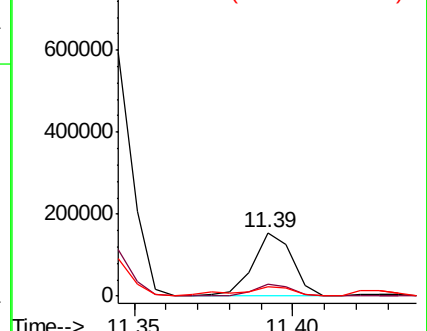
Delta R.T. -0.01 min

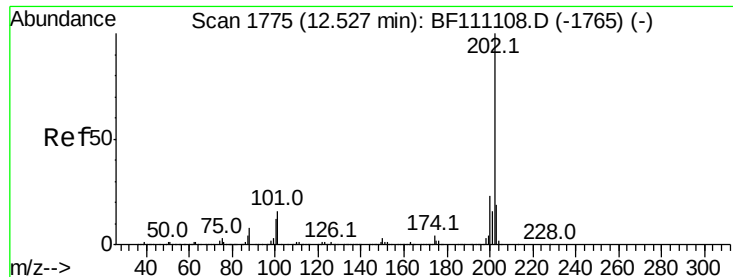
Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Tgt Ion:178	Resp:	130531
Ion Ratio	Lower	Upper
178	100	
176	18.0	17.3 25.9
179	14.2	13.8 20.8

Abundance Ion 178.00 (177.70 to 178.70): E
800000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 10.993 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.00 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Instrument :

BNA_F

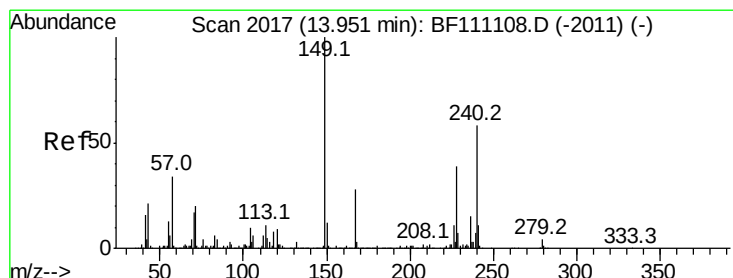
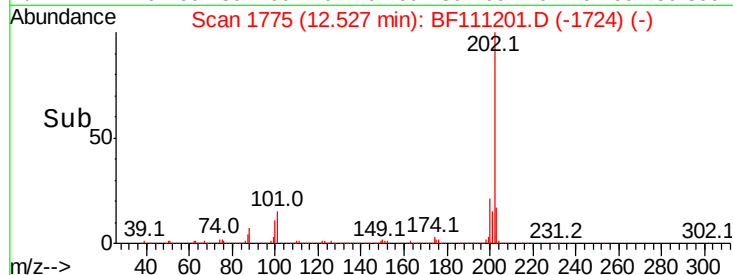
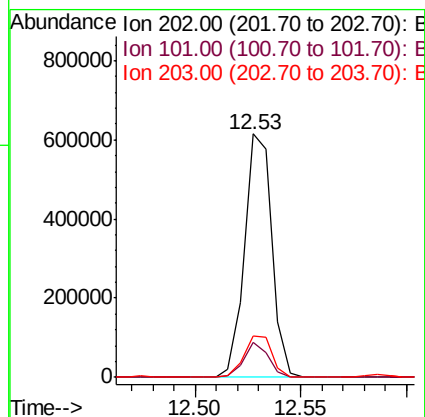
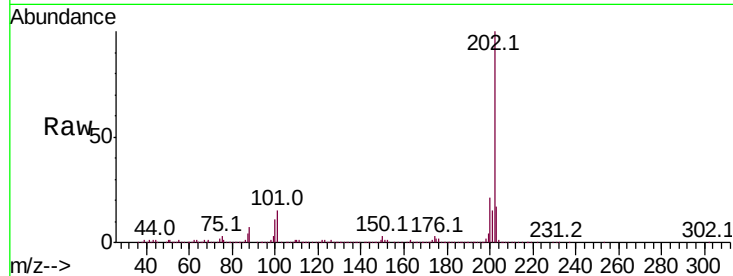
ClientSampleId :

SB-4(0-2)

Tot Ion:	202	Resp:	547293
Ion Ratio	Lower	Upper	
202	100		
101	14.5	0.0	35.8
203	16.9	0.0	38.6

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#76

Chrysene-d12

Concen: 20.000 ng

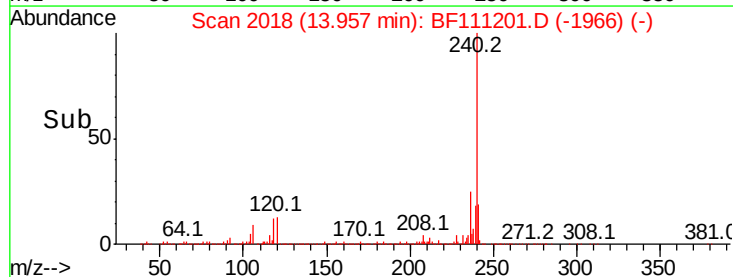
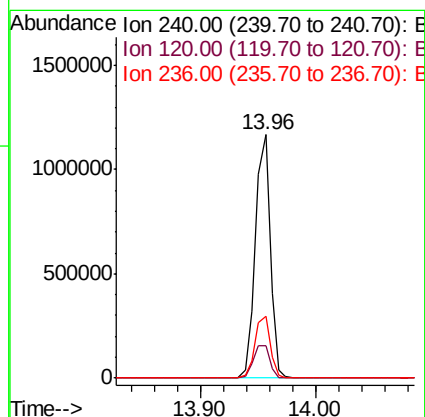
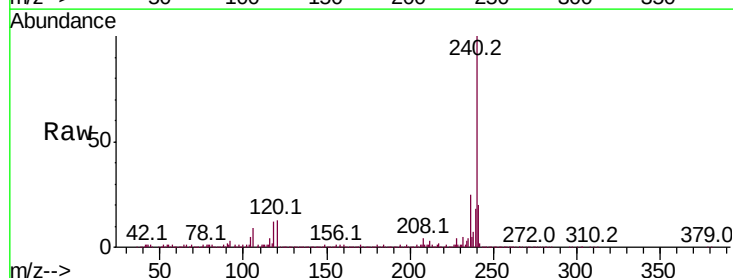
RT: 13.96 min Scan# 2018

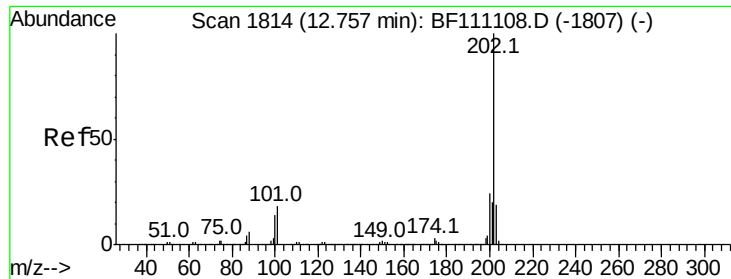
Delta R.T. 0.01 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Tgt Ion:	240	Resp:	1050695
Ion Ratio	Lower	Upper	
240	100		
120	13.5	12.8	19.2
236	25.3	21.1	31.7





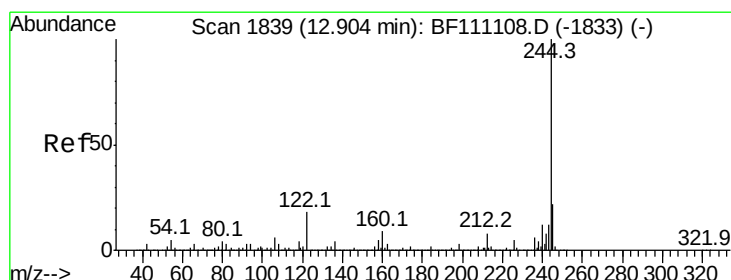
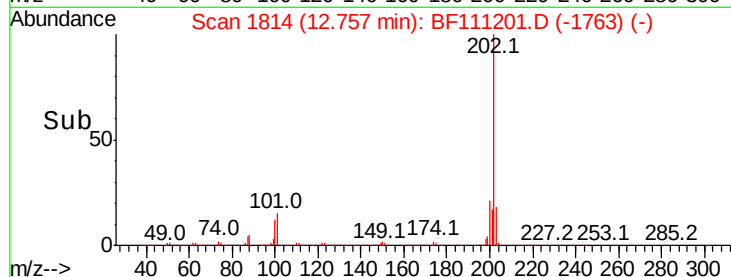
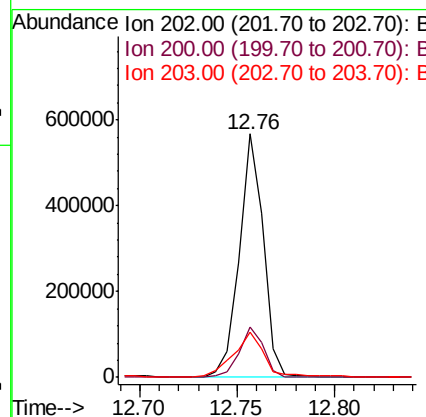
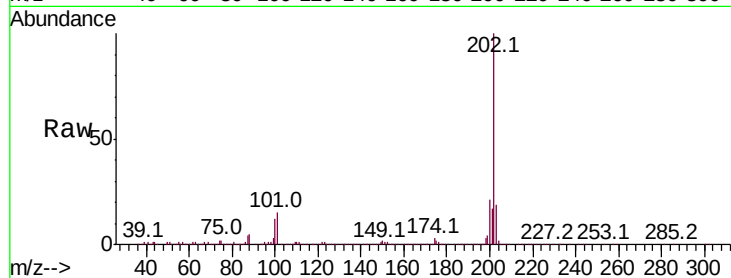
#78
Pvrene
Concen: 5.908 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	19.3	28.9
203	18.5	15.4	23.2

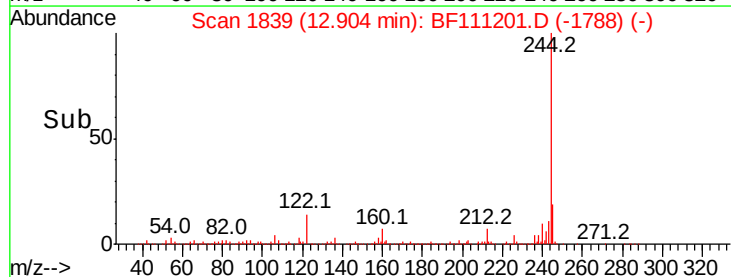
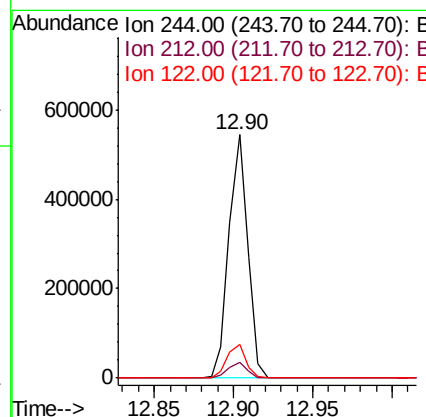
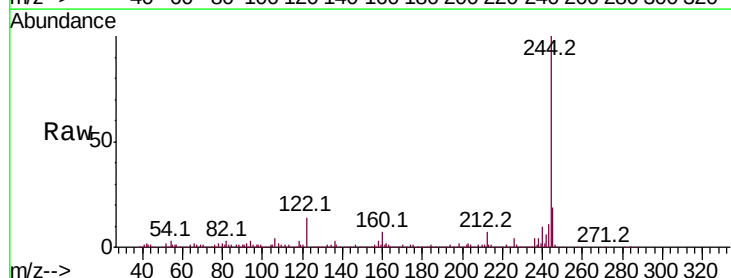
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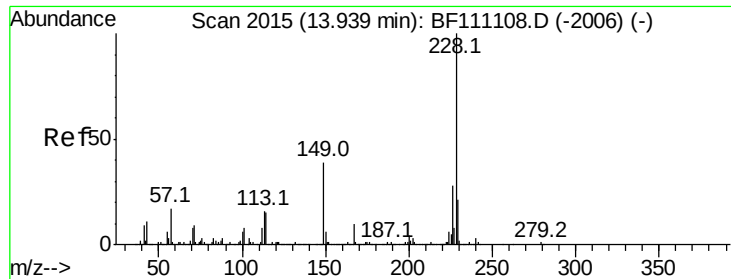
Sohil
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#79
Terphenyl-d14
Concen: 8.760 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.00 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	6.6	9.8
122	13.9	14.2	21.2#





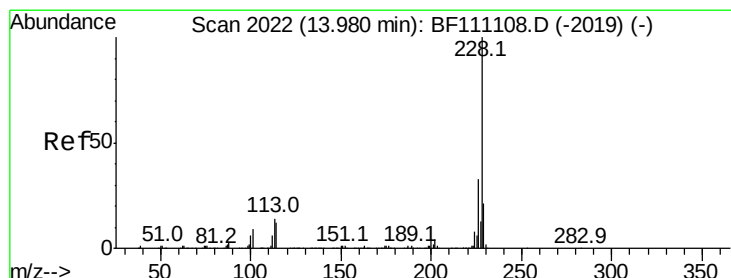
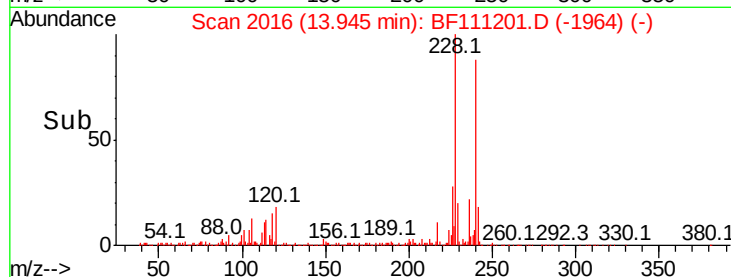
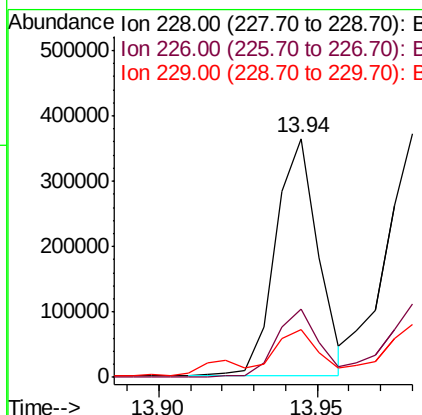
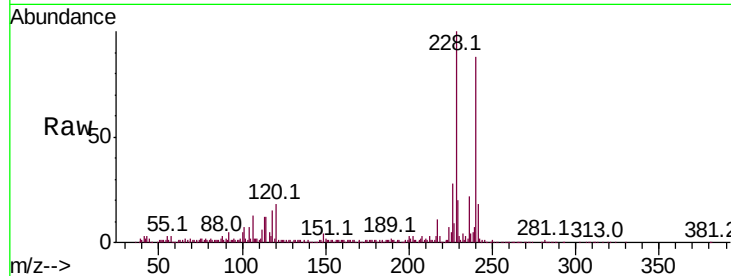
#81
Benzo(a)anthracene
Concen: 5.509 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	34.0
229	19.8	16.7	25.1

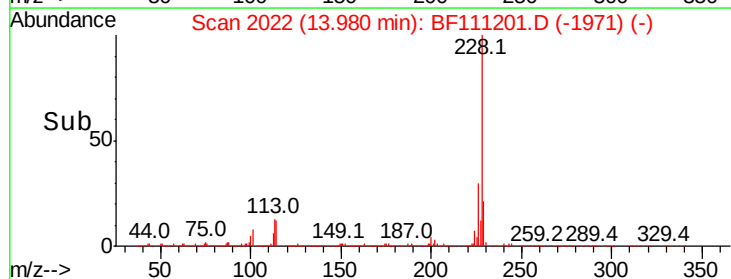
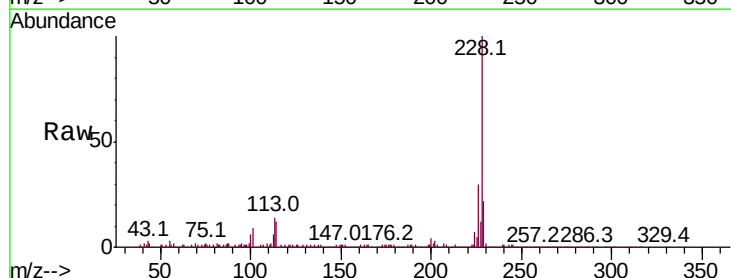
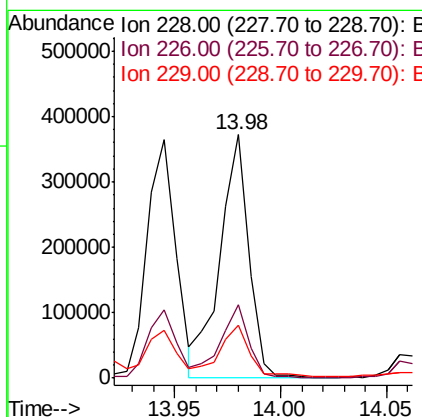
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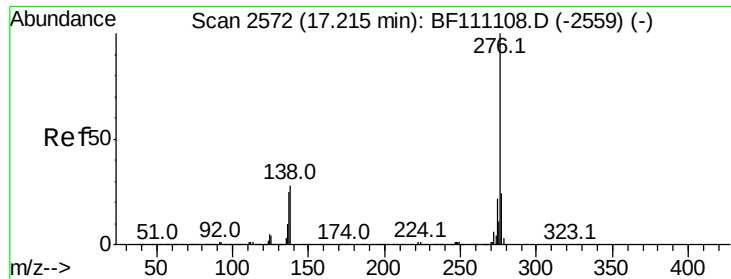
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#83
Chrysene
Concen: 5.722 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	26.2	39.2
229	21.6	16.9	25.3





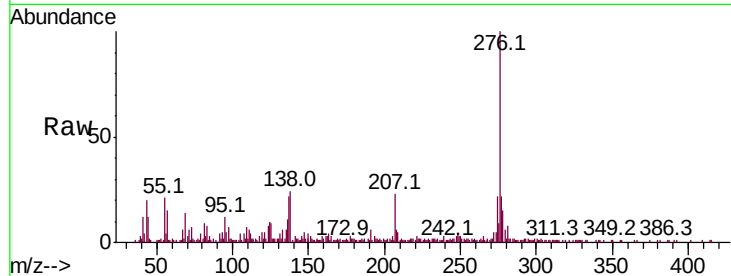
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.085 ng/ml
 RT: 16.79 min Scan# 2500
 Delta R.T. 0.01 min
 Lab File: BF111201.D
 Acq: 7 Dec 2018 21:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	1.1	20.2	30.4#
277	1.0	15.8	23.6#

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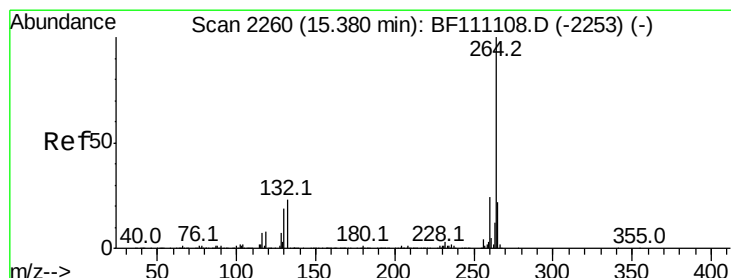
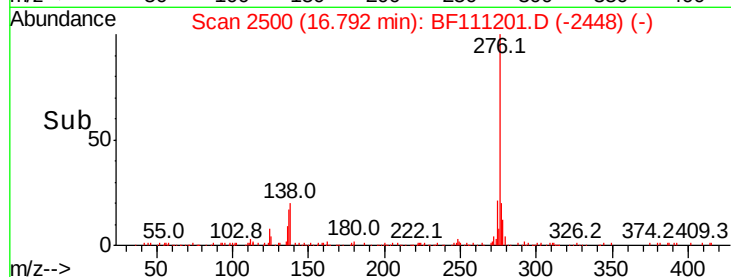
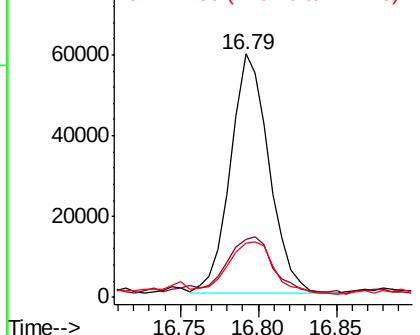


Abundance

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: 15.39 min Scan# 2262
 Delta R.T. 0.01 min
 Lab File: BF111201.D
 Acq: 7 Dec 2018 21:49

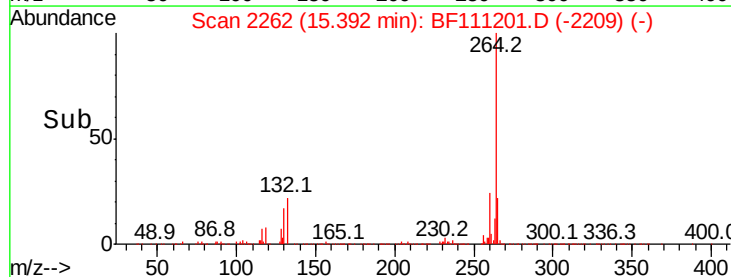
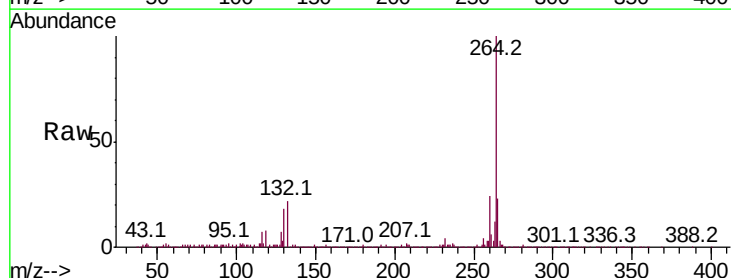
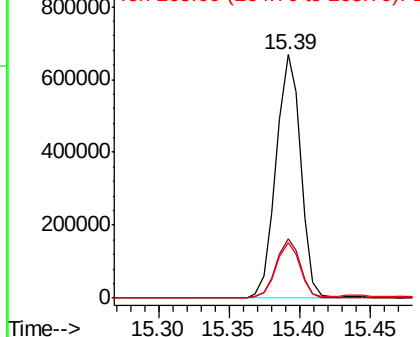
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.0
265	22.6	17.4	26.0

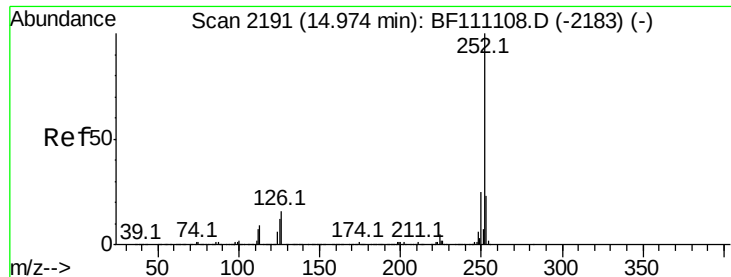
Abundance

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





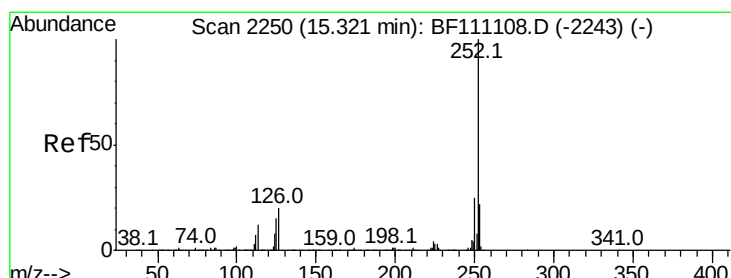
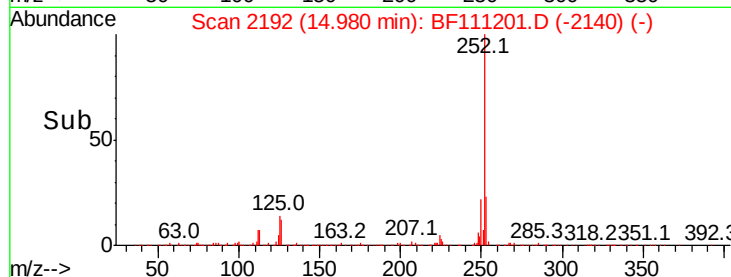
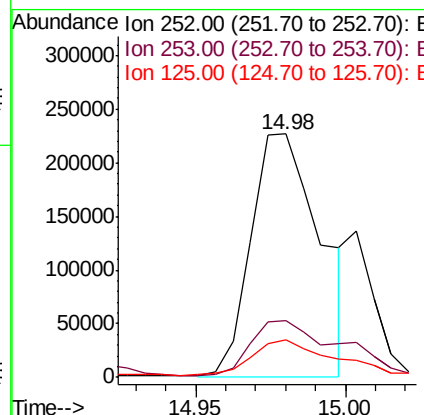
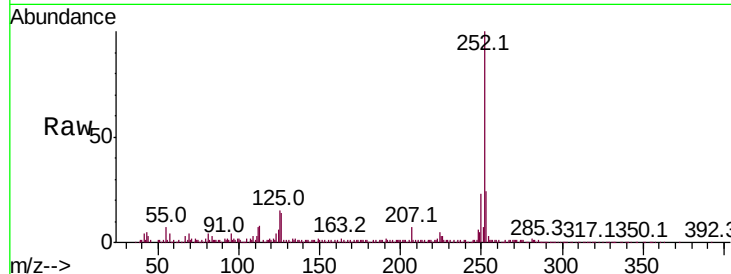
#88
Benzo(b)fluoranthene
Concen: 7.950 ng m
RT: 14.98 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	15.4	9.9	14.9

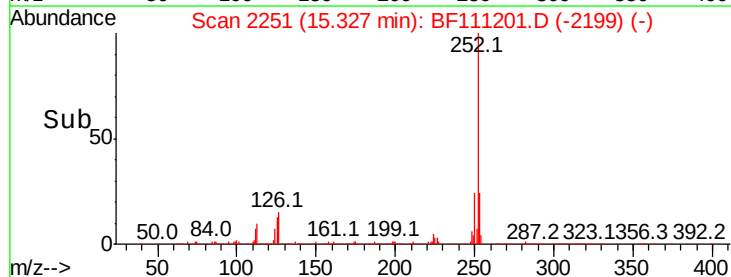
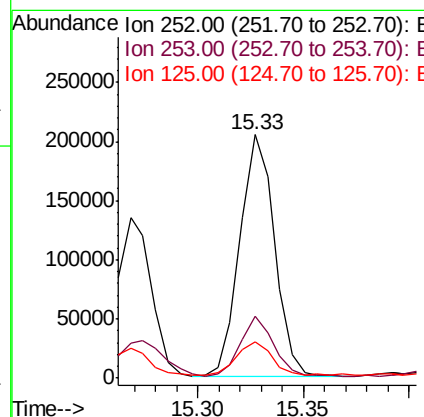
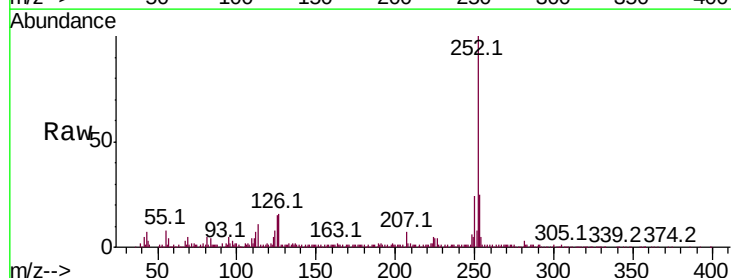
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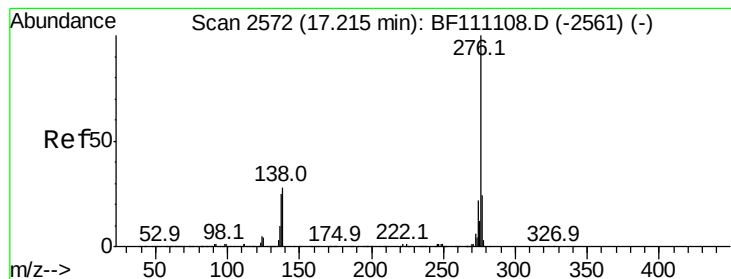
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#90
Benzo(a)pyrene
Concen: 5.495 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF111201.D
Acq: 7 Dec 2018 21:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.5	26.3
125	14.8	12.4	18.6





#92

Benzo(a,h,i)perylene

Concen: 3.143 ng

RT: 17.22 min Scan# 2572

Delta R.T. -0.00 min

Lab File: BF111201.D

Acq: 7 Dec 2018 21:49

Instrument :

BNA_F

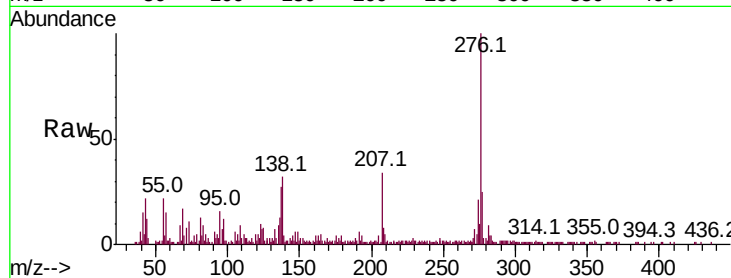
ClientSampleId :

SB-4(0-2)

Tot Ion:	276	Resp:	111916
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.3	28.9
138	31.7	22.3	33.5

Manual Integrations
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12/11/2018 8:44:49 AM



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

