

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
 Data File : BF111346.D
 Acq On : 13 Dec 2018 2:35
 Operator : JU/SJ
 Sample : J6214-47
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(13-15)

Manual Integrations
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Sohil
 12/13/2018 6:06:59 PM

Quant Time: Dec 13 06:03:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	223048	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	789858	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	313766	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	578301	20.00	ng	0.00
76) Chrysene-d12	13.95	240	369924	20.00	ng	0.00
87) Perylene-d12	15.39	264	299747	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1567165	118.81	ng	0.00
7) Phenol-d6	6.43	99	1951156	109.72	ng	0.00
23) Nitrobenzene-d5	7.35	82	1069047	76.29	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	286822	103.70	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1660295	84.95	ng	0.00
79) Terphenyl-d14	12.90	244	1380579	82.14	ng	0.00
Target Compounds						
10) Phenol	6.45	94	116342	5.775	ng	90
50) Dimethylphthalate	9.55	163	179288	7.946	ng	97
71) Phenanthrene	11.34	178	135210	4.523	ng	94
72) Anthracene	11.39	178	66970	2.200	ng	94
75) Fluoranthene	12.53	202	320763	10.992	ng	97
78) Pyrene	12.76	202	299523	10.491	ng	94
81) Benzo(a)anthracene	13.94	228	145148	7.013	ng	95
83) Chrysene	13.97	228	128828	6.101	ng	97
86) Indeno(1,2,3-cd)pyrene	16.80	276	82681	5.006	ng	92
88) Benzo(b)fluoranthene	14.98	252	140854m	8.264	ng	
89) Benzo(k)fluoranthene	15.00	252	39296m	2.310	ng	
90) Benzo(a)pyrene	15.33	252	100863	6.355	ng	# 94
92) Benzo(a,h,i)perylene	17.23	276	108725	8.236	ng	96

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

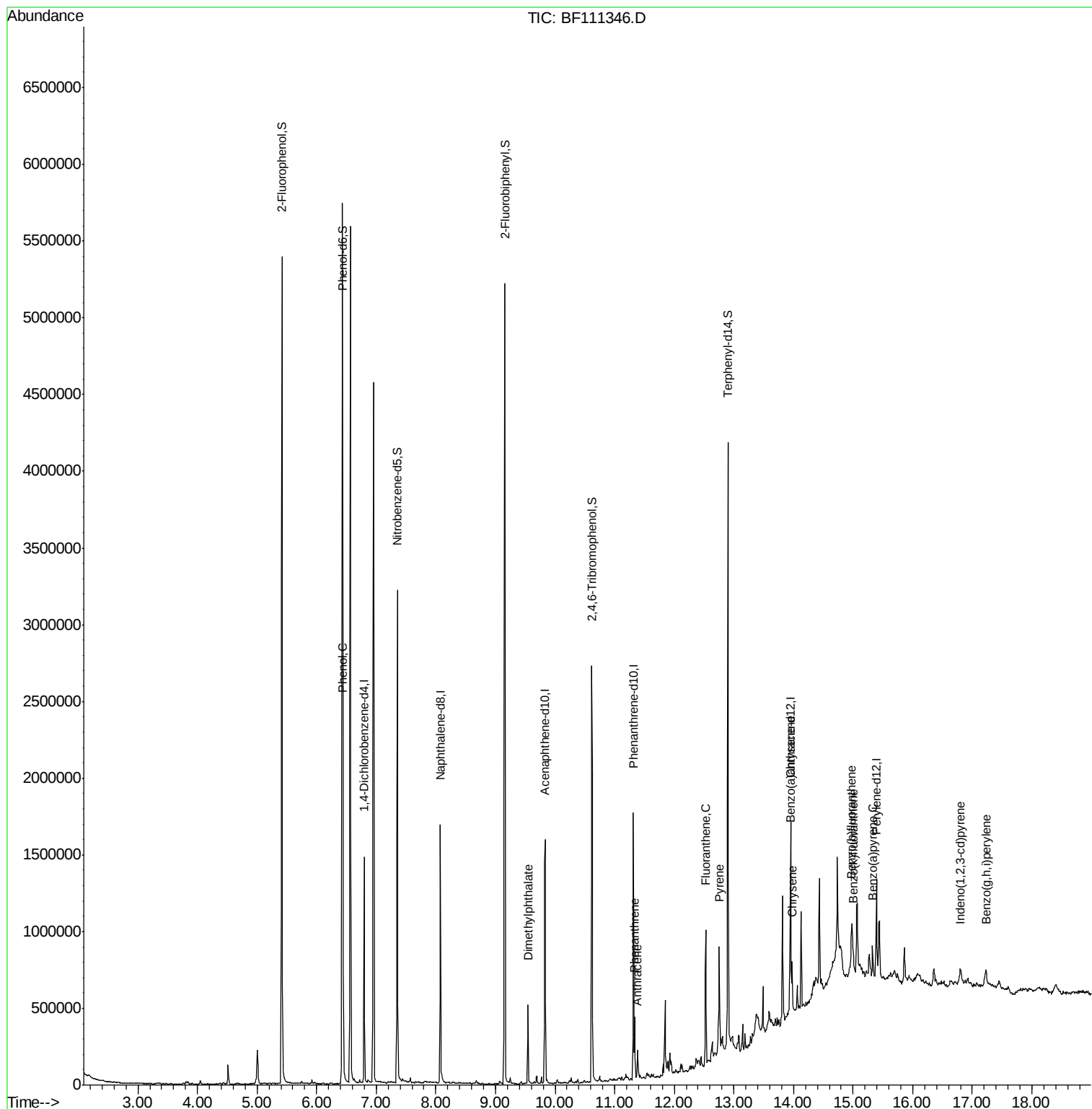
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111346.D
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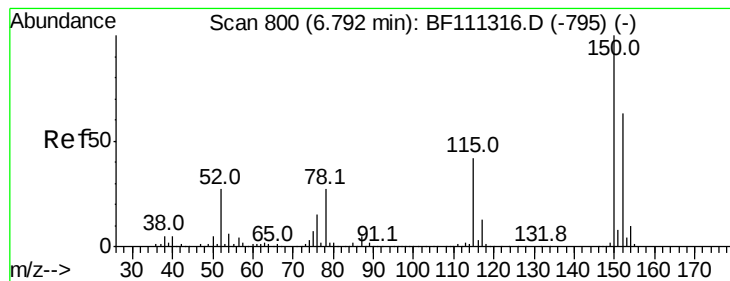
Instrument :
BNA_F
ClientSampled :
SB-6(13-15)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
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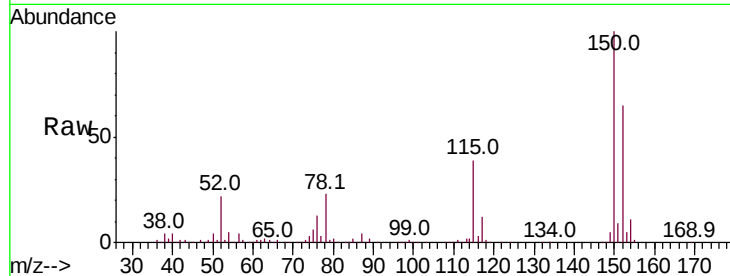
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: BF111346.D
 Acq: 13 Dec 2018 2:35

Instrument :
 BNA_F
 ClientSampled :
 SB-6(13-15)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	126.6	189.8
115	59.5	50.7	76.1

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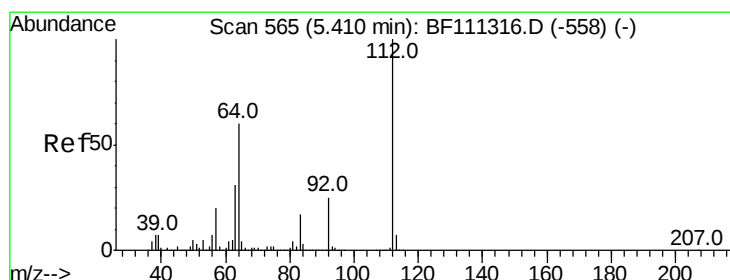
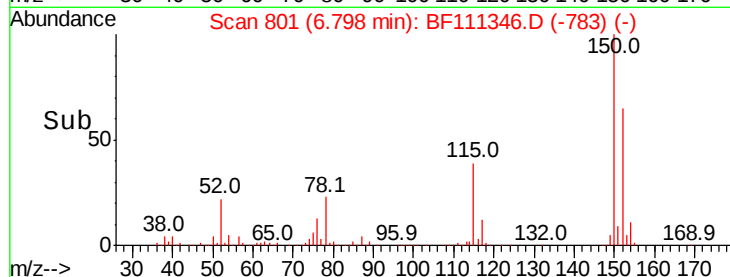
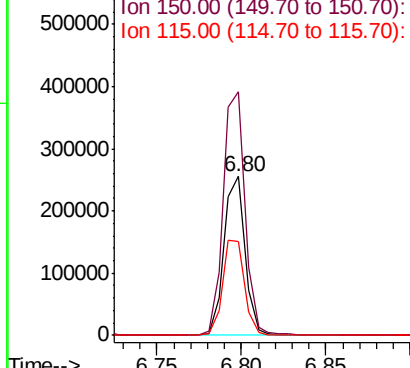


Abundance

Ion 152.00 (151.70 to 152.70): E

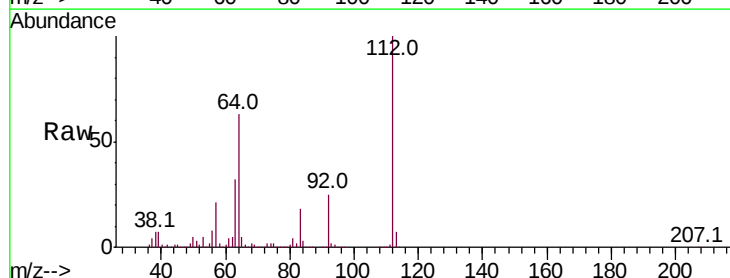
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 118.814 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF111346.D
 Acq: 13 Dec 2018 2:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	51.8	77.6
63	32.4	26.8	40.2

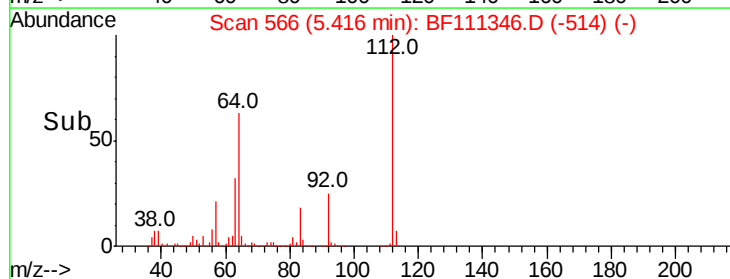
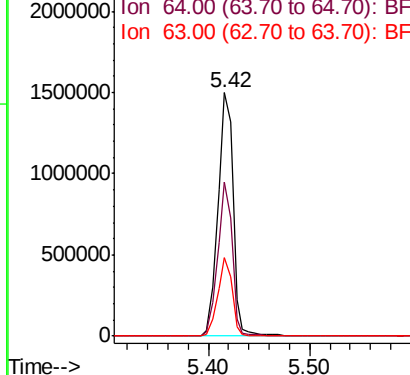


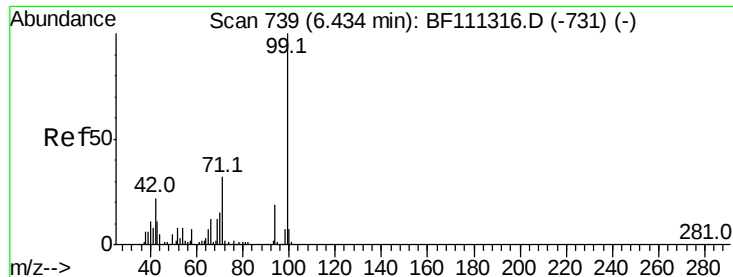
Abundance

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: 109.716 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

Instrument :

BNA_F

ClientSampleId :

SB-6(13-15)

Tot Ion: 99 Resp: 1951156

Ion Ratio Lower Upper

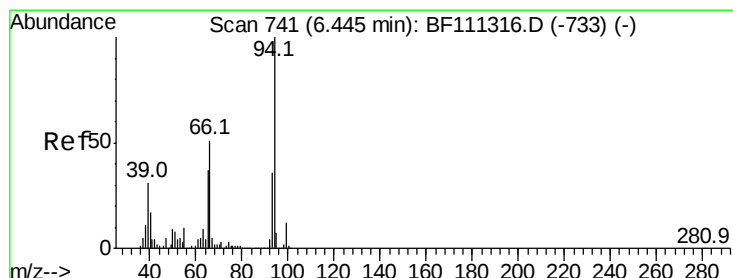
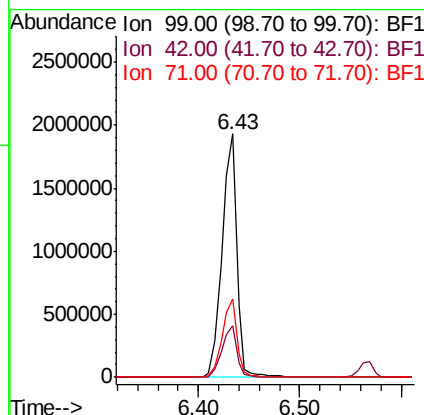
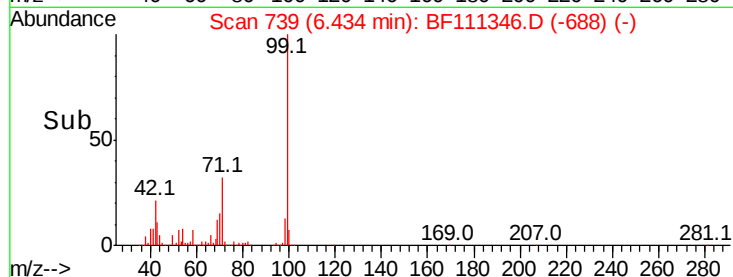
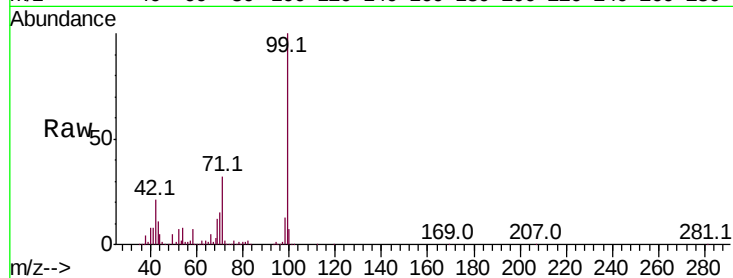
99 100

42 21.0 17.4 26.0

71 32.0 26.1 39.1

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#10

Phenol

Concen: 5.775 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

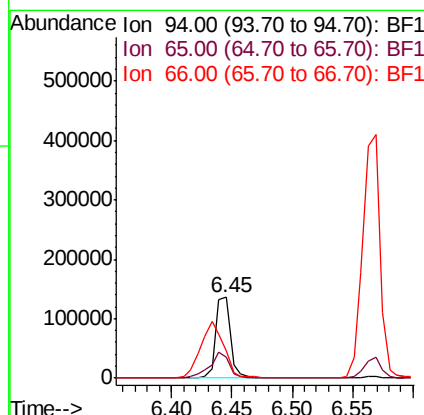
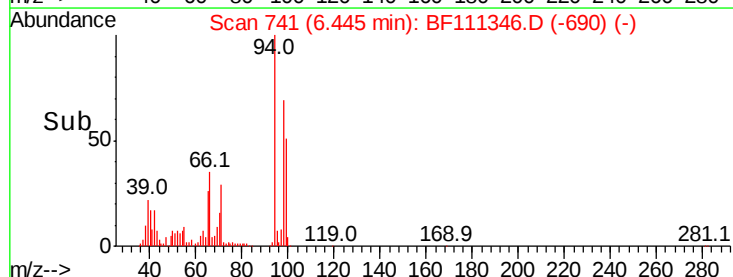
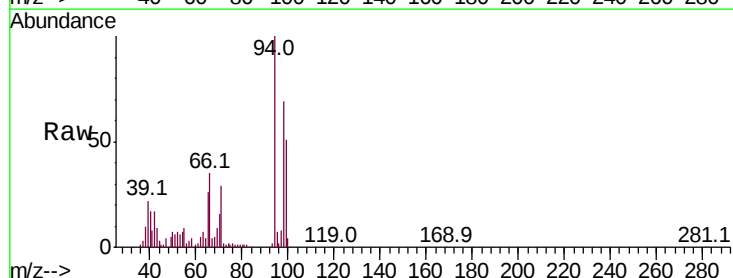
Tgt Ion: 94 Resp: 116342

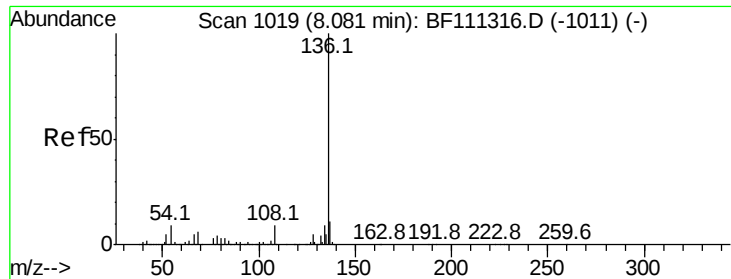
Ion Ratio Lower Upper

94 100

65 26.2 11.7 51.7

66 34.6 21.0 61.0





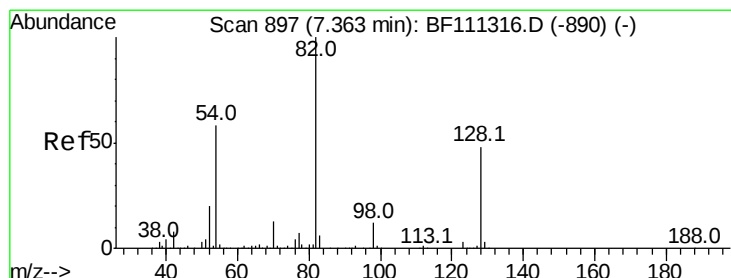
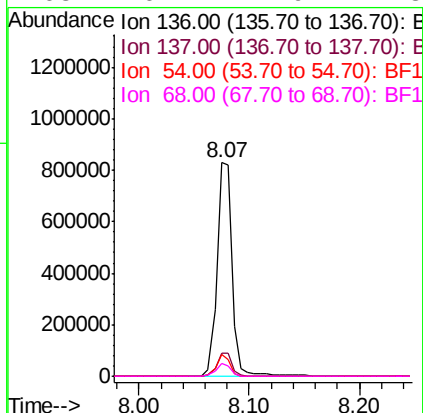
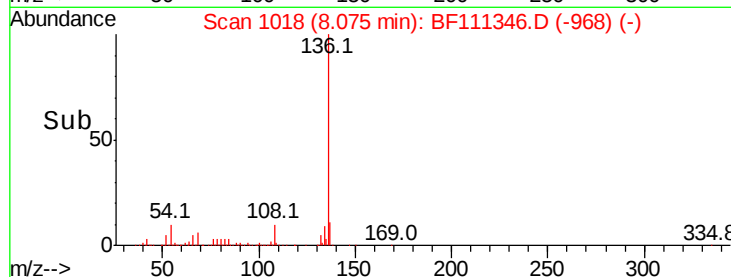
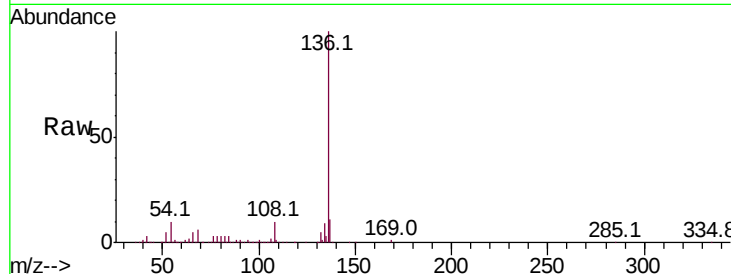
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Instrument :
BNA_F
ClientSampleId :
SB-6(13-15)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	9.1	13.7	
54	10.0	7.7	11.5	
68	6.2	4.9	7.3	

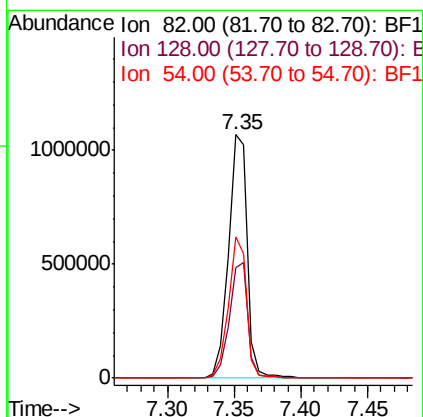
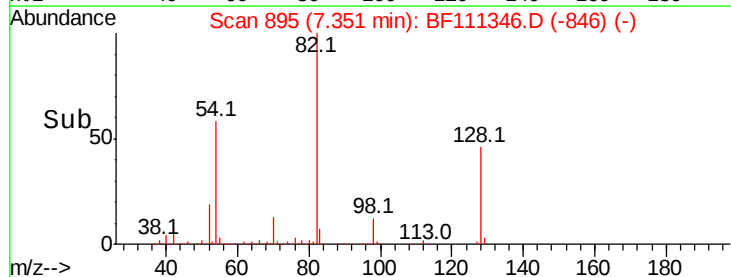
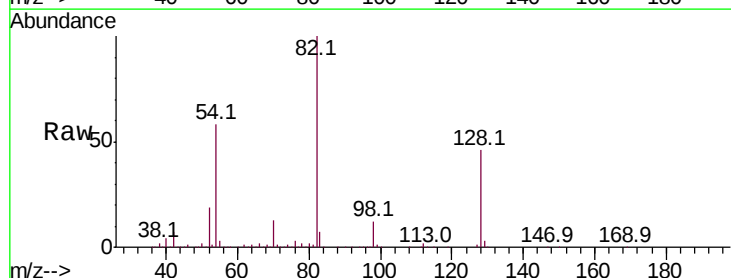
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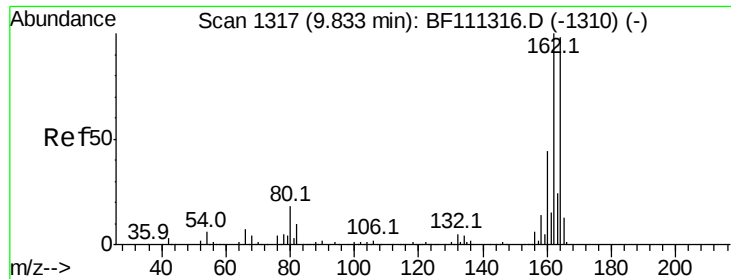
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#23
Nitrobenzene-d5
Concen: 76.286 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.6	37.4	56.2	
54	58.2	47.6	71.4	





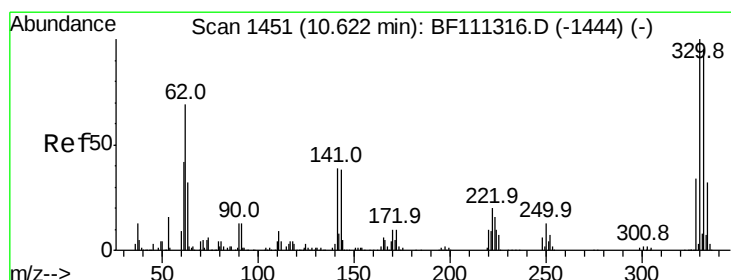
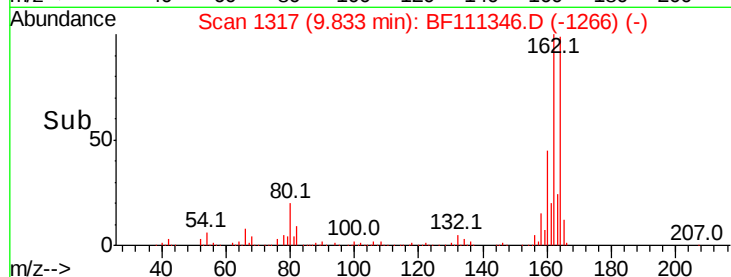
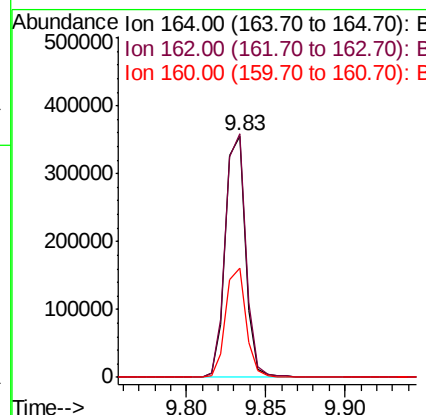
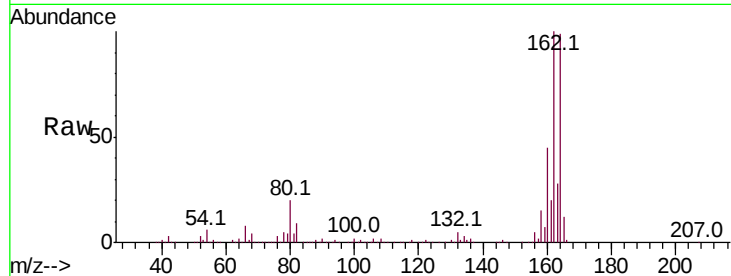
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: BF111346.D
 Acq: 13 Dec 2018 2:35

Instrument :
 BNA_F
 ClientSampled :
 SB-6(13-15)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	313766		
162	100.7	81.4	122.0	
160	45.2	35.7	53.5	

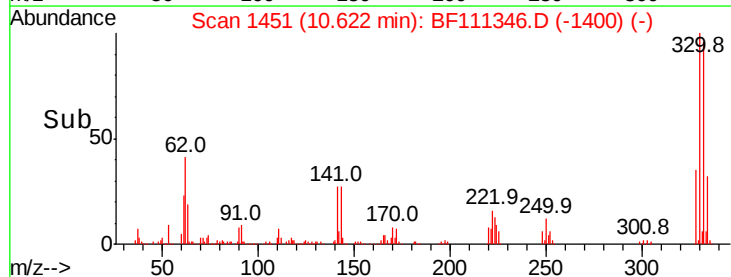
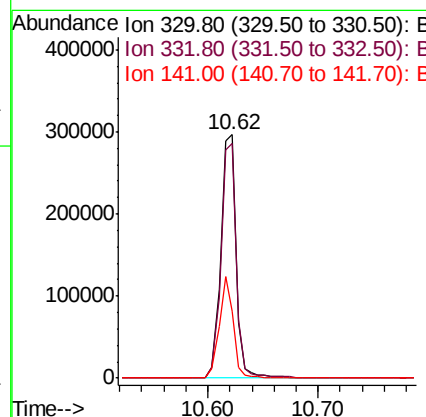
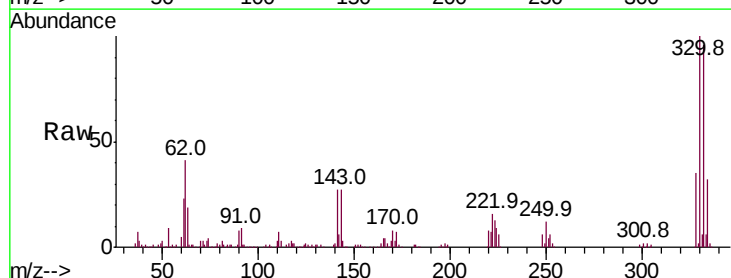
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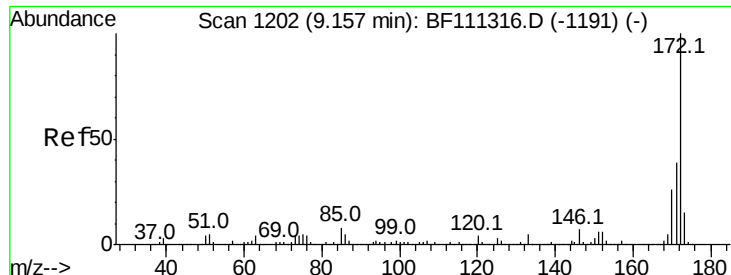
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#42
 2,4,6-Tribromophenol
 Concen: 103.700 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF111346.D
 Acq: 13 Dec 2018 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	286822		
332	96.3	76.0	114.0	
141	37.7	31.0	46.6	





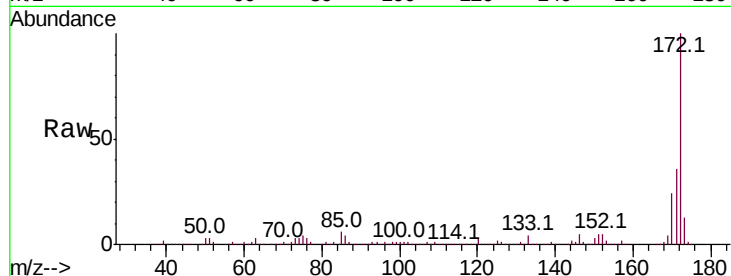
#45
2-Fluorobiphenyl
Concen: 84.954 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Instrument :
BNA_F
ClientSampleId :
SB-6(13-15)

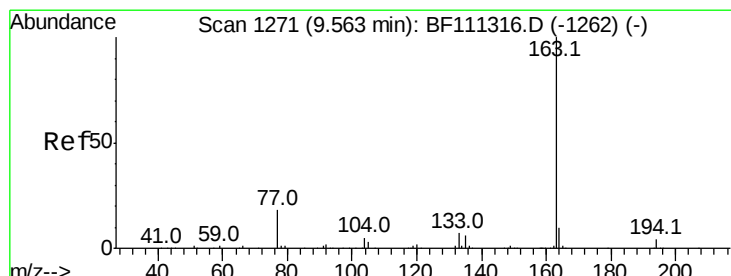
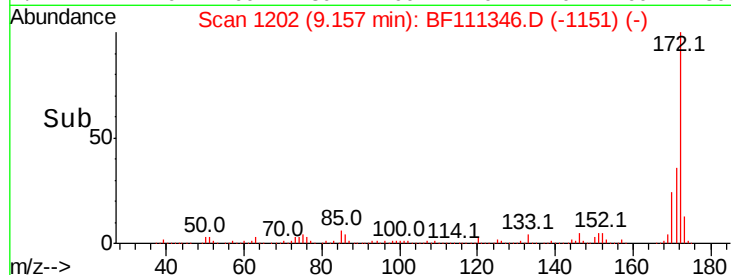
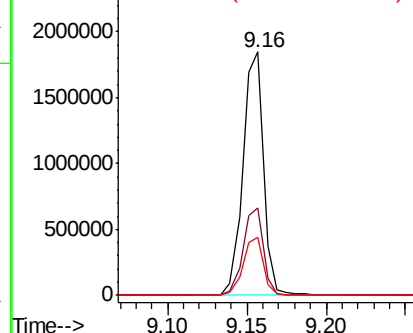
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	33.0	49.4
170	23.9	22.3	33.5

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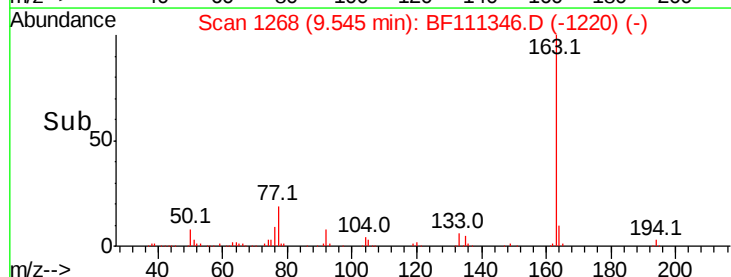
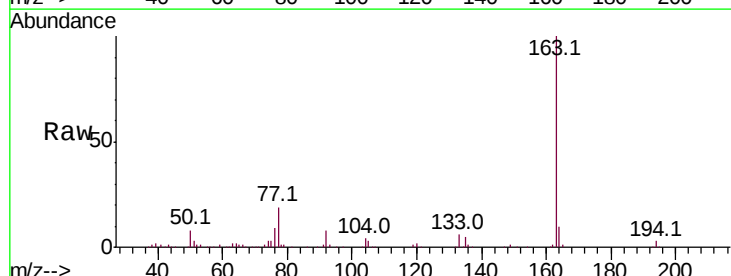
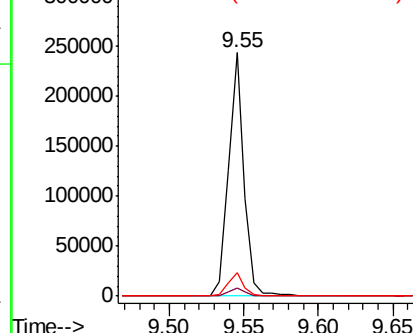
Abundance Ion 172.00 (171.70 to 172.70): E
2500000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

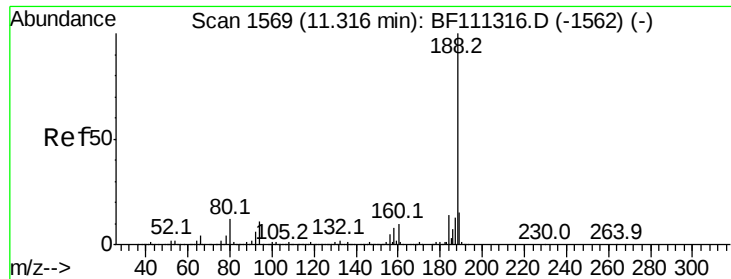


#50
Dimethylphthalate
Concen: 7.946 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.6
164	9.6	8.9	13.3

Abundance Ion 163.00 (162.70 to 163.70): E
300000
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: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

Instrument :

BNA_F

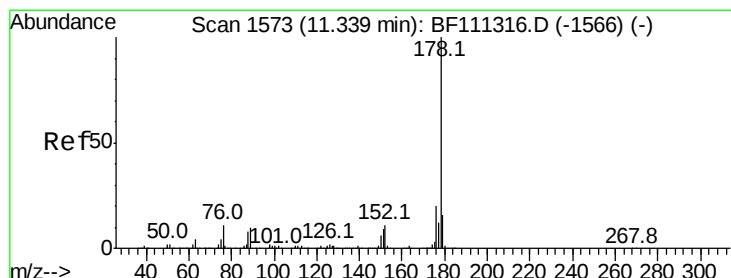
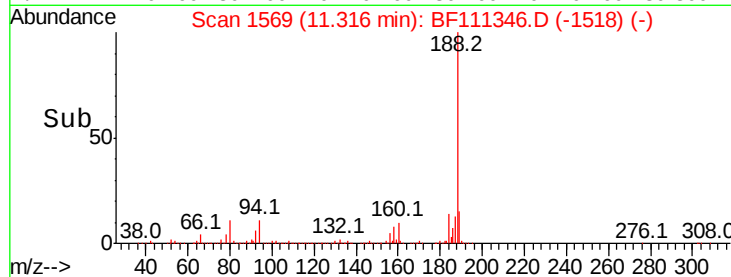
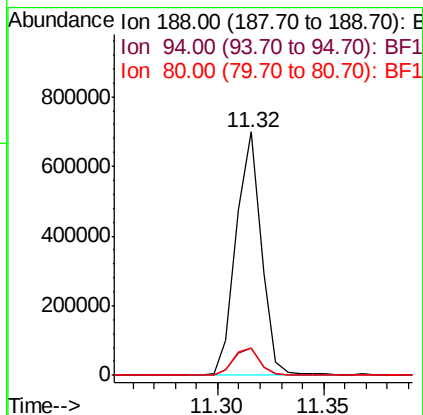
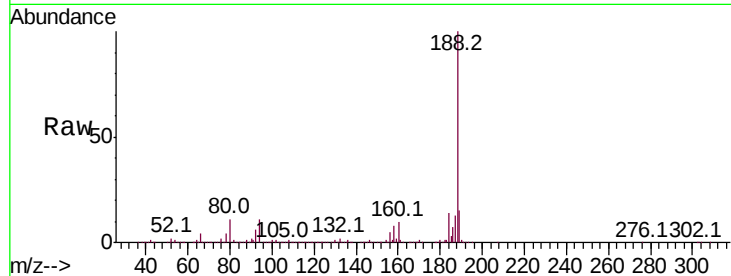
ClientSampleId :

SB-6(13-15)

Tot Ion:	188	Resp:	578301
Ion Ratio	Lower	Upper	
188	100		
94	11.1	9.6	14.4
80	11.2	9.8	14.6

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#71

Phenanthrene

Concen: 4.523 ng

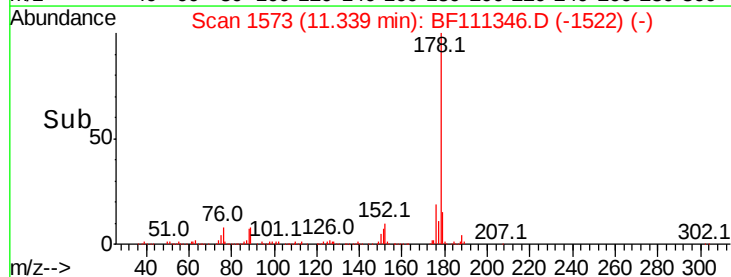
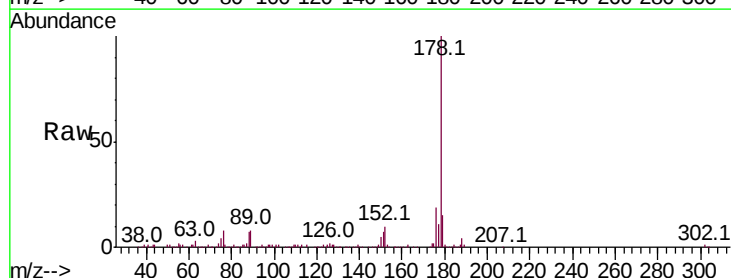
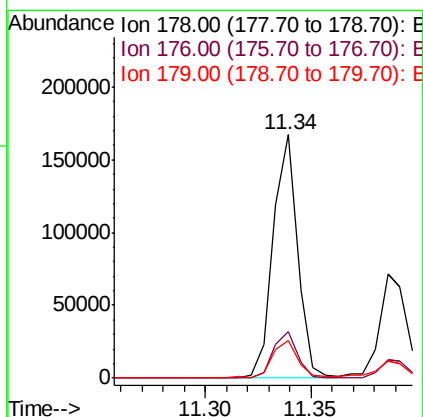
RT: 11.34 min Scan# 1573

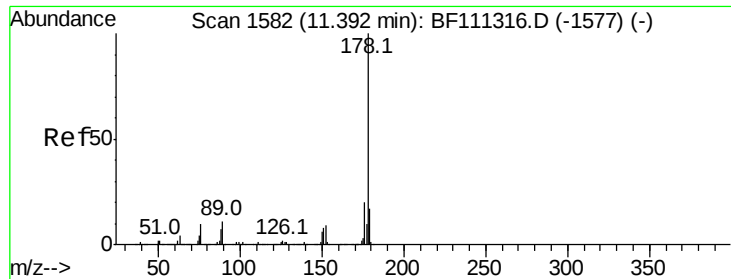
Delta R.T. -0.00 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

Tgt Ion:	178	Resp:	135210
Ion Ratio	Lower	Upper	
178	100		
176	19.1	18.1	27.1
179	15.2	14.0	21.0





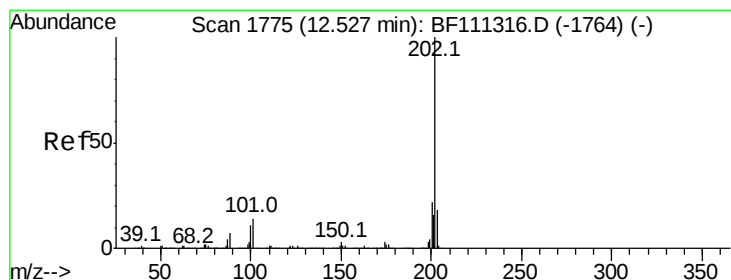
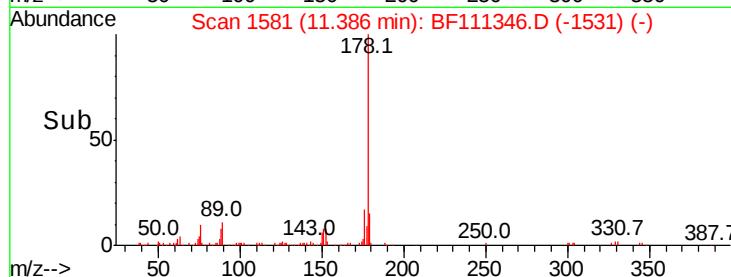
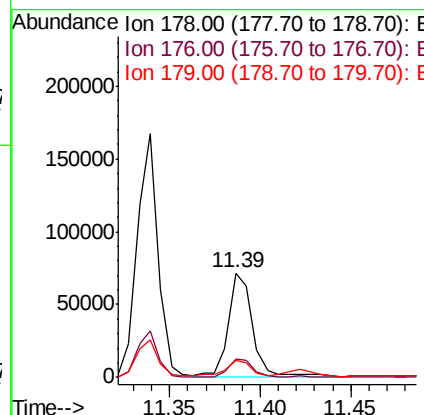
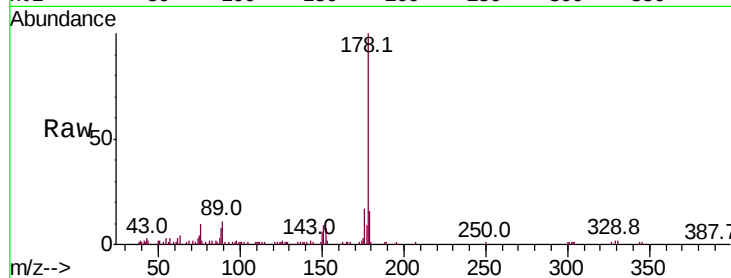
#72
 Anthracene
 Concen: 2.200 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF111346.D
 Acq: 13 Dec 2018 2:35

Instrument :
 BNA_F
 ClientSampled :
 SB-6(13-15)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.3	17.2	25.8
179	16.0	13.8	20.8

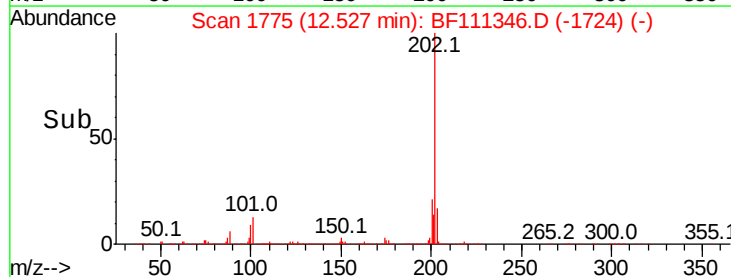
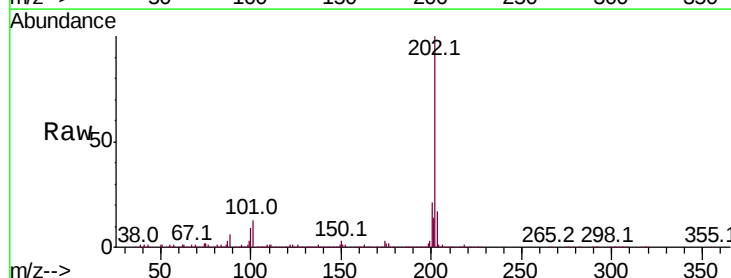
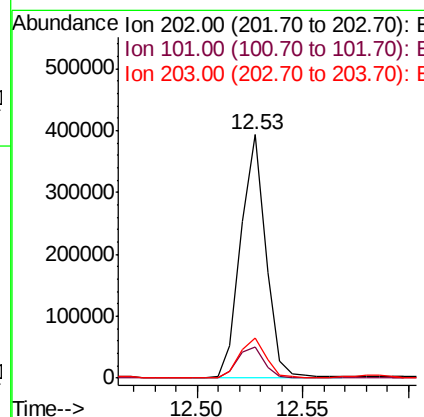
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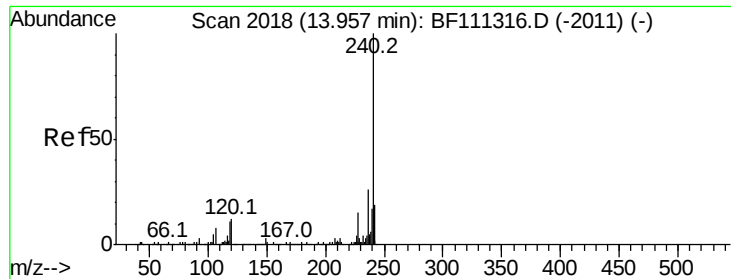
Sohil
 12/13/2018 6:06:59 PM



#75
 Fluoranthene
 Concen: 10.992 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.00 min
 Lab File: BF111346.D
 Acq: 13 Dec 2018 2:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.8
203	16.6	0.0	38.6





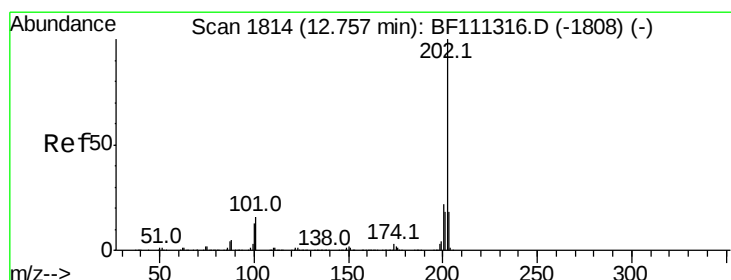
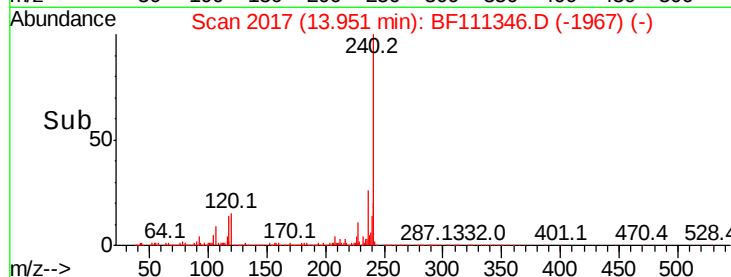
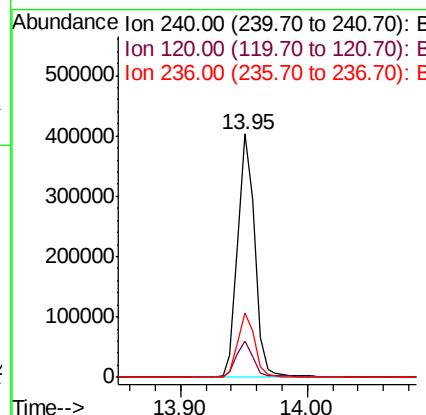
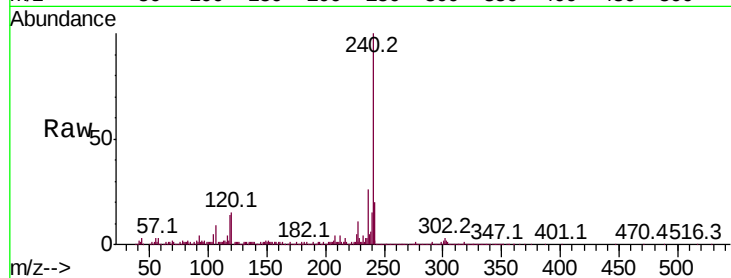
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Instrument :
BNA_F
ClientSampled :
SB-6(13-15)

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.1	12.2	18.2
236	26.2	20.2	30.2

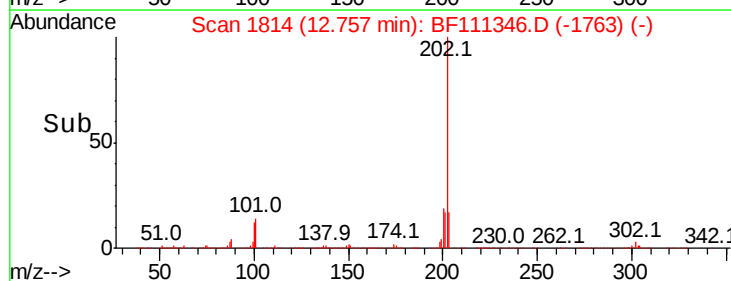
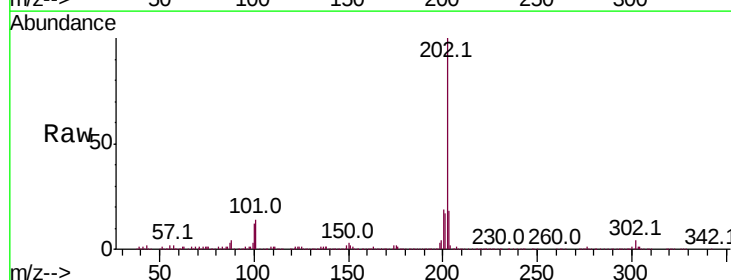
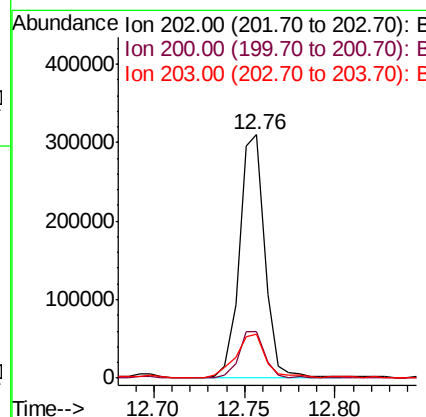
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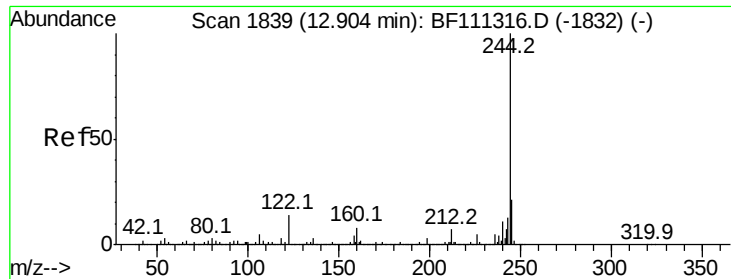
Sohil
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#78
Pyrene
Concen: 10.491 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.1	19.0	28.4
203	18.0	15.2	22.8





#79

Terphenyl-d14

Concen: 82.140 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

Instrument :

BNA_F

ClientSampled :

SB-6(13-15)

Tot Ion:244 Resp: 1380579

Ion Ratio Lower Upper

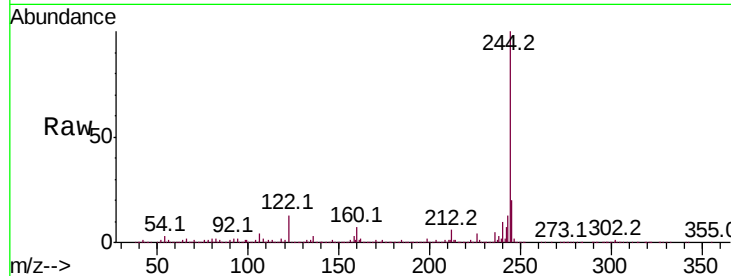
244 100

212 6.4 5.7 8.5

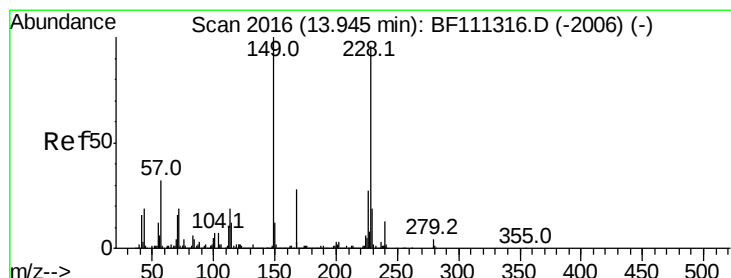
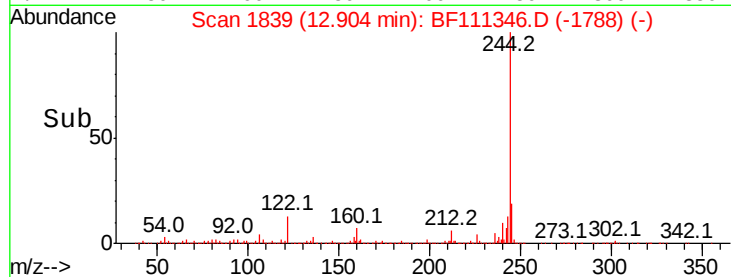
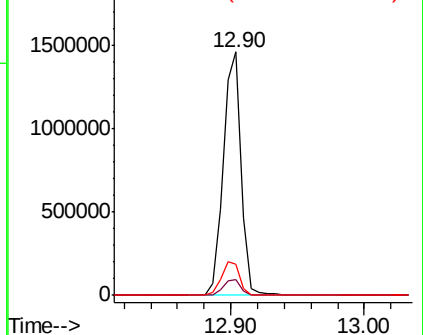
122 12.6 13.1 19.7#

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Abundance Ion 244.00 (243.70 to 244.70): E
2000000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 7.013 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF111346.D

Acq: 13 Dec 2018 2:35

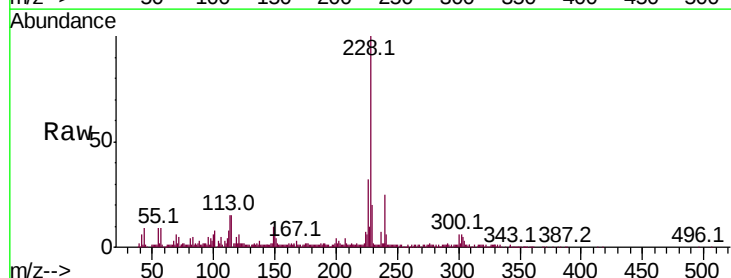
Tgt Ion:228 Resp: 145148

Ion Ratio Lower Upper

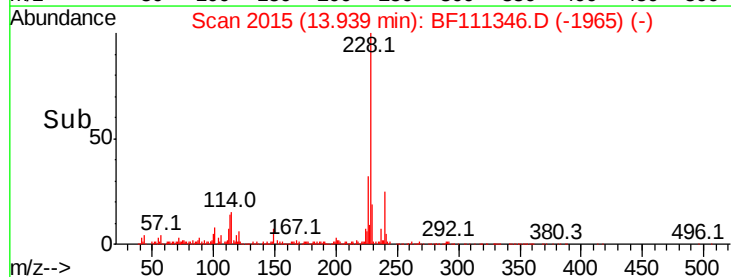
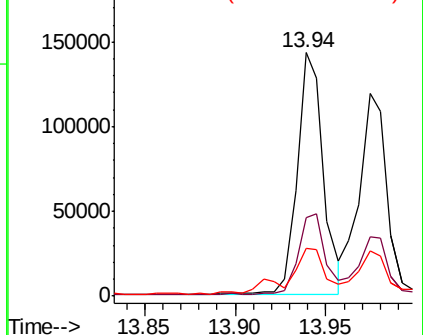
228 100

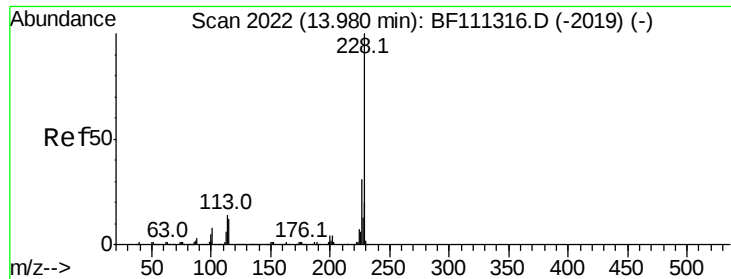
226 32.3 22.6 34.0

229 19.6 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
200000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





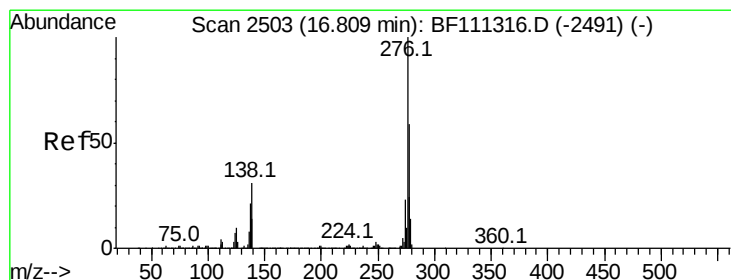
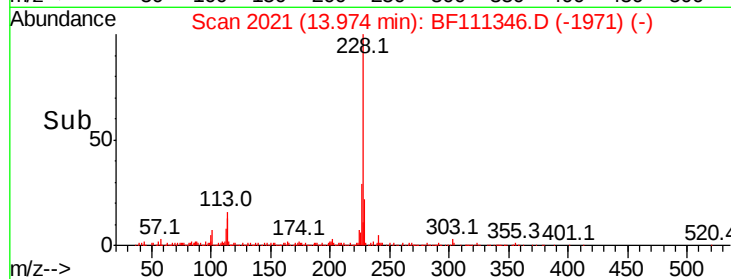
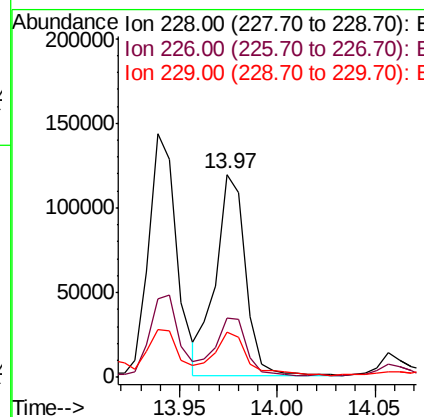
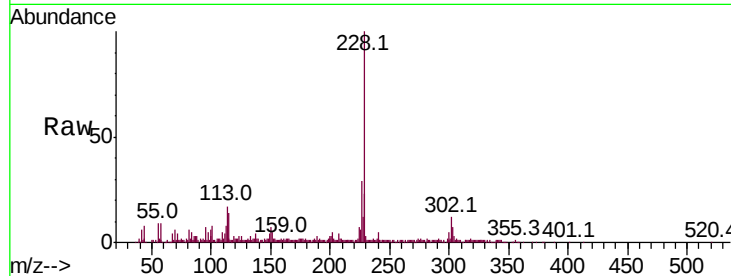
#83
Chrysene
Concen: 6.101 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Instrument :
BNA_F
ClientSampled :
SB-6(13-15)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.3	37.9
229	22.5	17.2	25.8

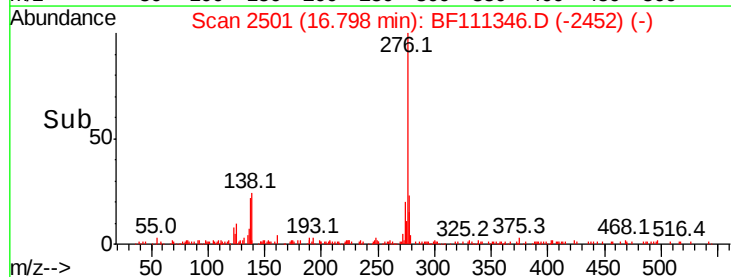
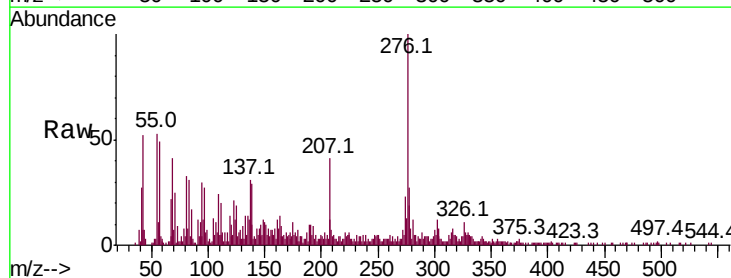
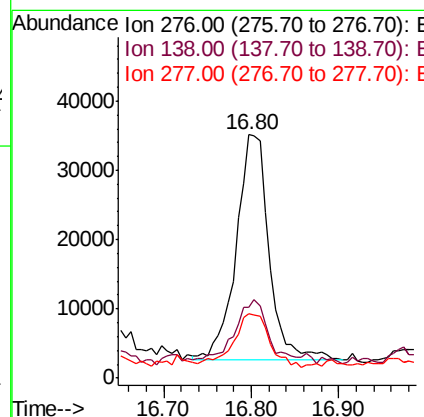
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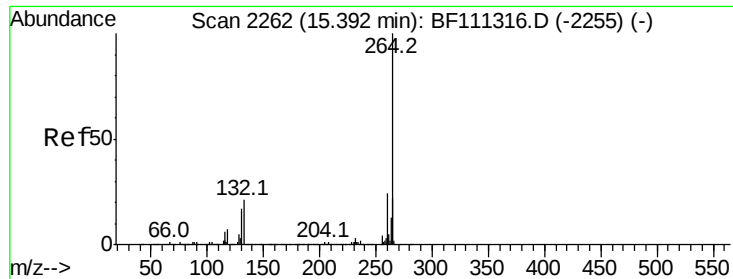
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.006 ng
RT: 16.80 min Scan# 2501
Delta R.T. -0.01 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.1	27.8	41.6
277	26.2	20.1	30.1





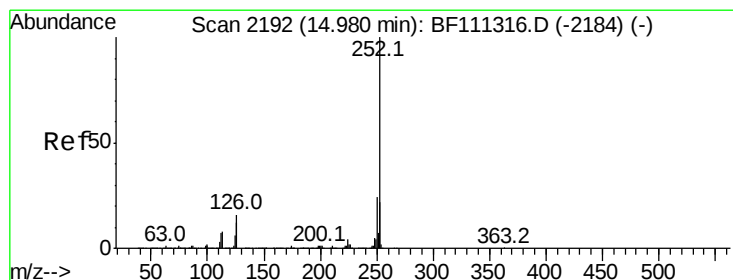
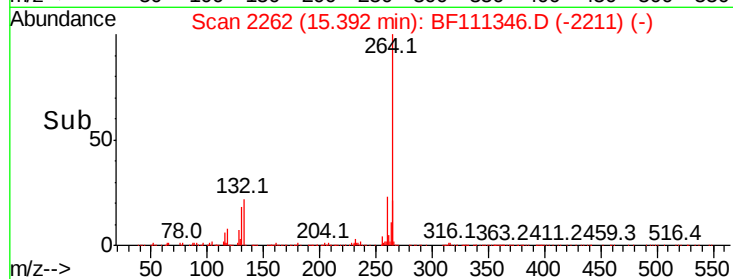
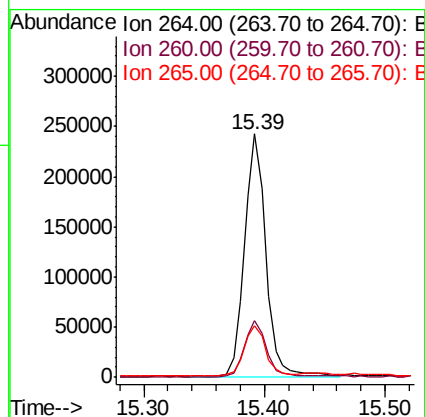
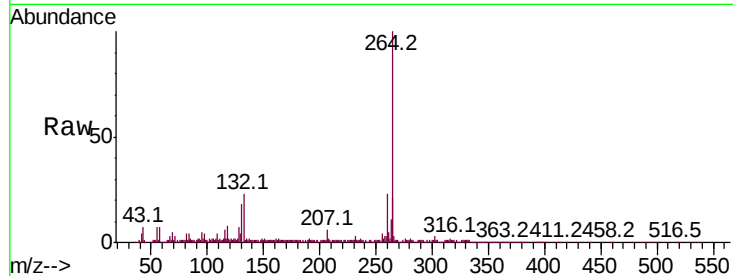
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Instrument :
BNA_F
ClientSampleId :
SB-6(13-15)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	21.2	17.7	26.5

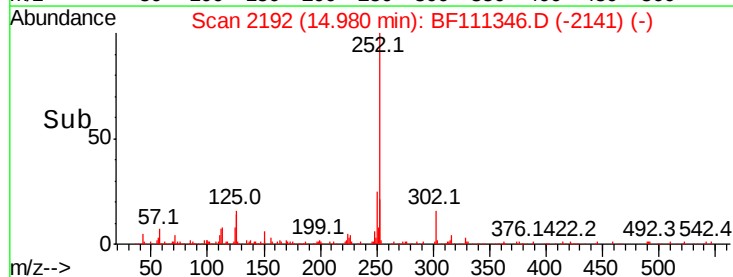
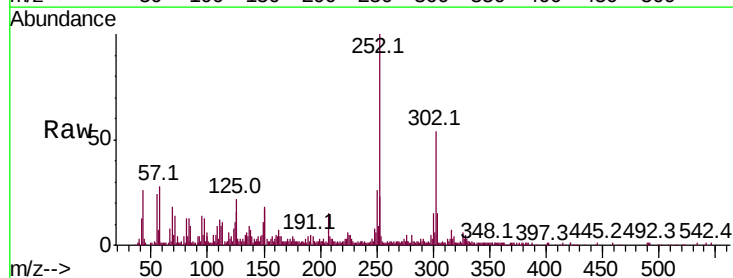
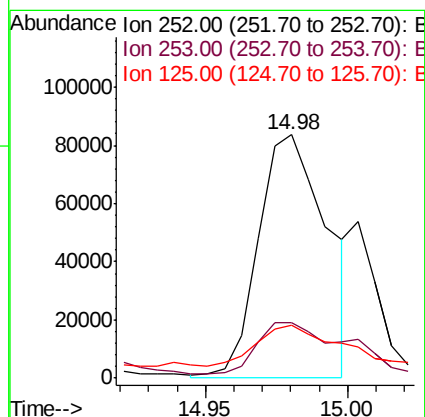
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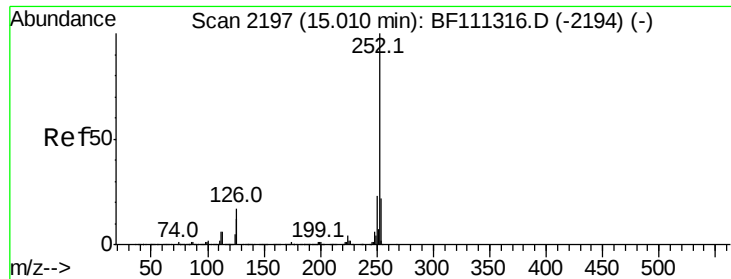
Sohil
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#88
Benzo(b)fluoranthene
Concen: 8.264 ng m
RT: 14.98 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	21.9	10.4	15.6





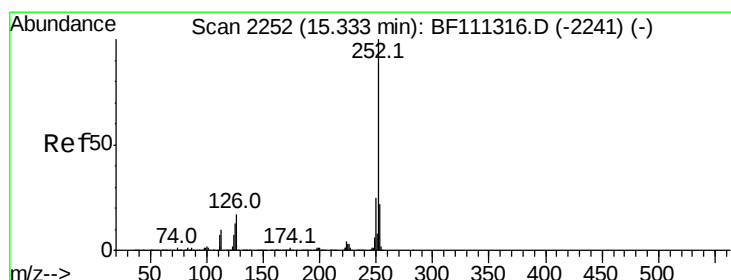
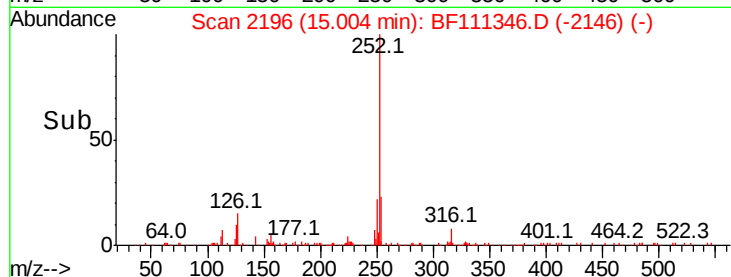
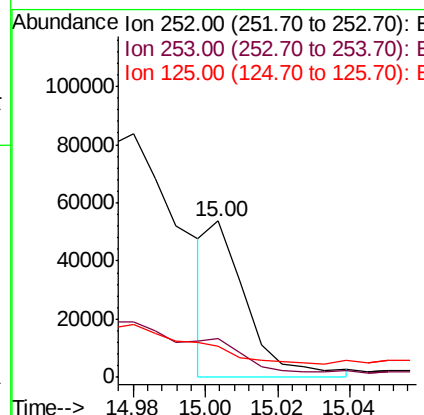
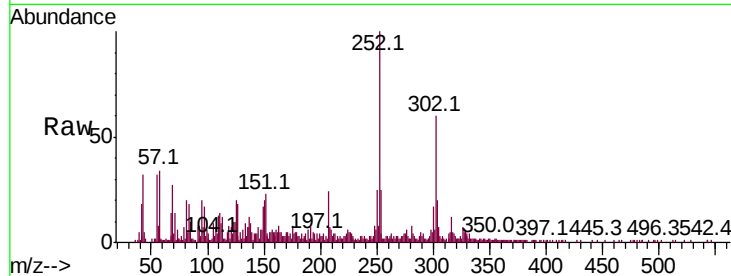
#89
Benzo(k)fluoranthene
Concen: 2.310 ng/mL
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Instrument :
BNA_F
ClientSampleId :
SB-6(13-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.1	27.1
125	20.1	9.8	14.8

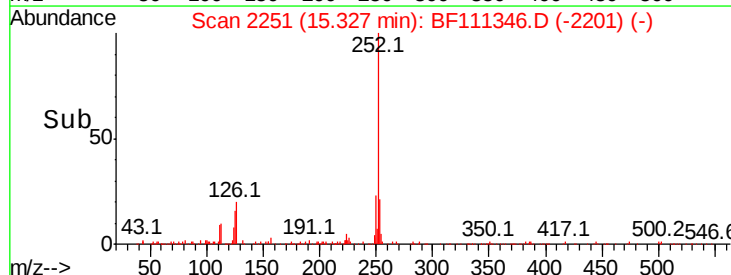
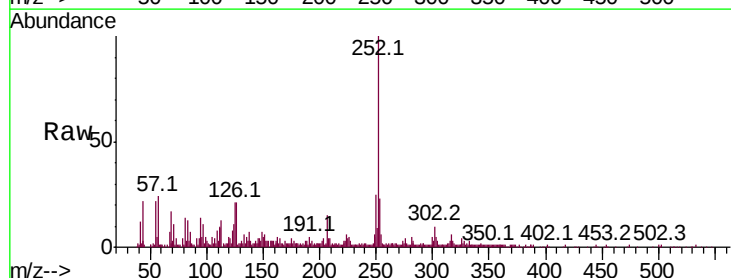
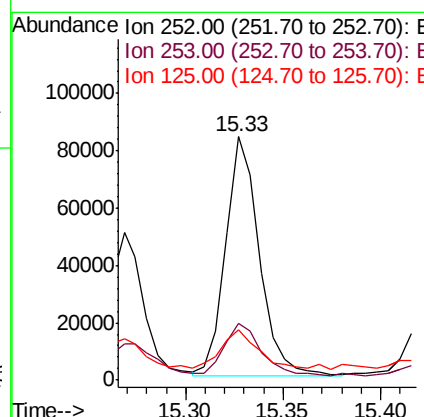
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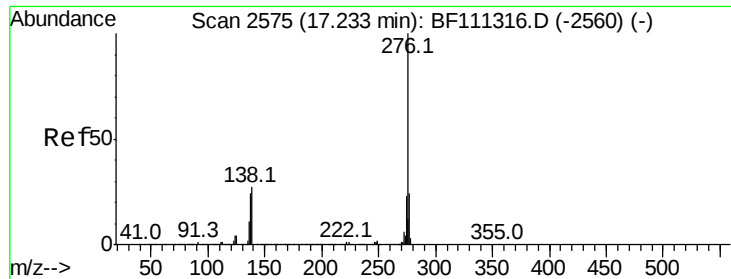
Sohil
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#90
Benzo(a)pyrene
Concen: 6.355 ng/mL
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF111346.D
Acq: 13 Dec 2018 2:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	20.7	12.3	18.5





#92
 Benzo(a,h,i)perylene
 Concen: 8.236 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. -0.01 min
 Lab File: BF111346.D
 Acq: 13 Dec 2018 2:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(13-15)

Tot Ion:	276	Resp:	108725
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.2	28.8
138	27.7	24.9	37.3

Manual Integrations
 APPROVED

Sohil
 12/13/2018 6:06:59 PM

