

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
 Data File : BF111392.D
 Acq On : 14 Dec 2018 1:32
 Operator : JU/SJ
 Sample : J6208-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Manual Integrations
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Sohil
 12/14/2018 5:11:27 PM

Quant Time: Dec 14 04:10:36 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	6.79	152	251945	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1063850	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	476670	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	697461	20.00	ng	0.00
76) Chrysene-d12	13.95	240	484168	20.00	ng	0.00
87) Perylene-d12	15.39	264	382854	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1979739	132.88	ng	0.02
7) Phenol-d6	6.45	99	2595218	129.19	ng	0.01
23) Nitrobenzene-d5	7.36	82	1500433	79.49	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	438437	104.34	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2112121	71.14	ng	0.00
79) Terphenyl-d14	12.90	244	1353585	61.53	ng	0.00
Target Compounds						
10) Phenol	6.46	94	203727	8.953	ng	90
50) Dimethylphthalate	9.55	163	238738	6.965	ng	99
71) Phenanthrene	11.33	178	488800	13.559	ng	95
72) Anthracene	11.39	178	149162	4.064	ng	94
75) Fluoranthene	12.52	202	629825	17.896	ng	98
78) Pyrene	12.75	202	556071	14.881	ng	95
80) Butylbenzylphthalate	13.37	149	38016	2.119	ng	85
81) Benzo(a)anthracene	13.94	228	238469	8.803	ng	97
83) Chrysene	13.97	228	249974	9.044	ng	95
86) Indeno(1,2,3-cd)pyrene	16.79	276	111822	5.173	ng	94
88) Benzo(b)fluoranthene	14.97	252	296898m	13.638	ng	
89) Benzo(k)fluoranthene	15.00	252	80542m	3.706	ng	
90) Benzo(a)pyrene	15.32	252	187722	9.261	ng	98
92) Benzo(a,h,i)perylene	17.22	276	113549	6.734	ng	98

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

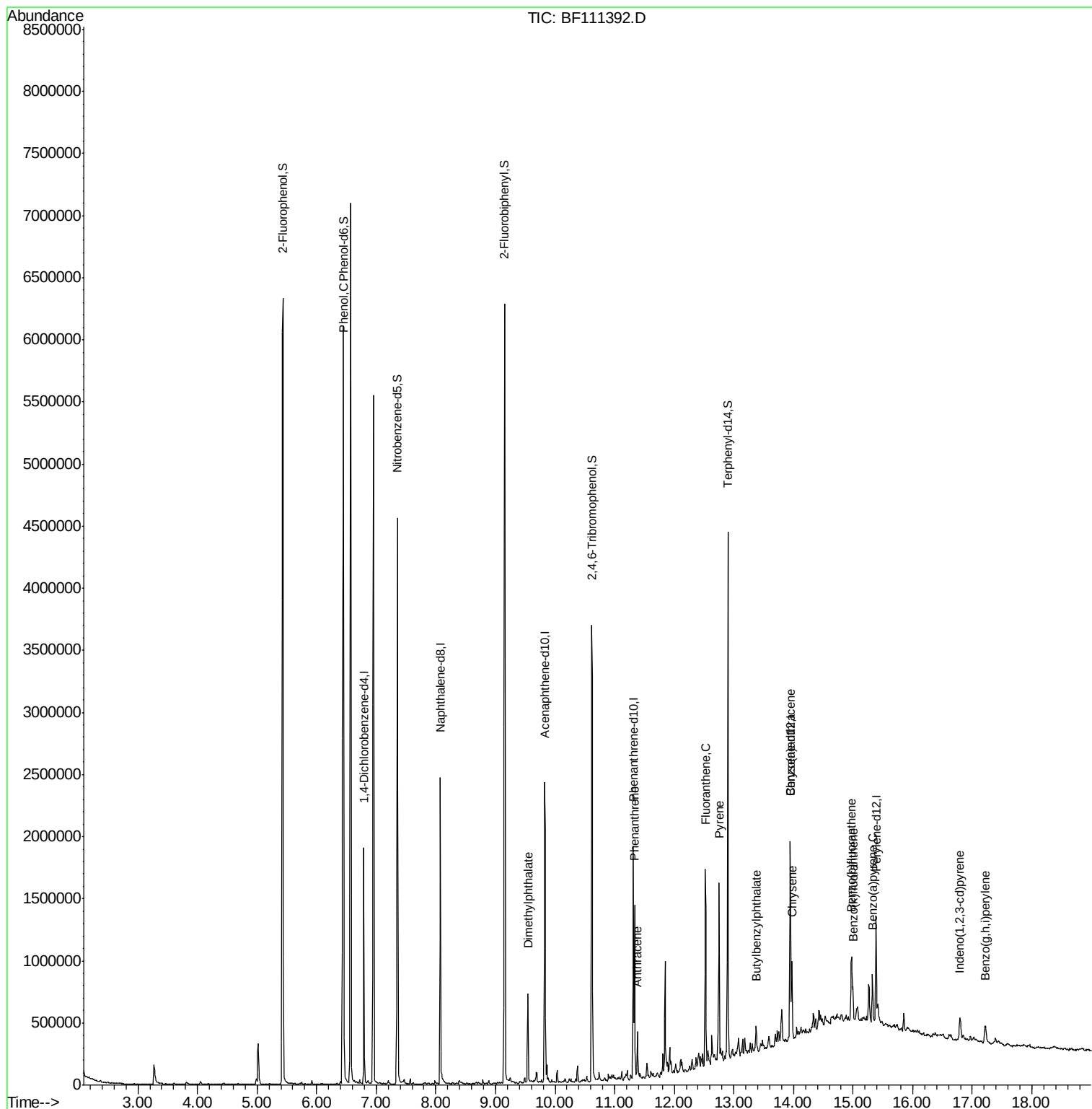
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
Data File : BF111392.D
Acq On : 14 Dec 2018 1:32
Operator : JU/SJ
Sample : J6208-13
Misc :
ALS Vial : 22 Sample Multiplier: 1

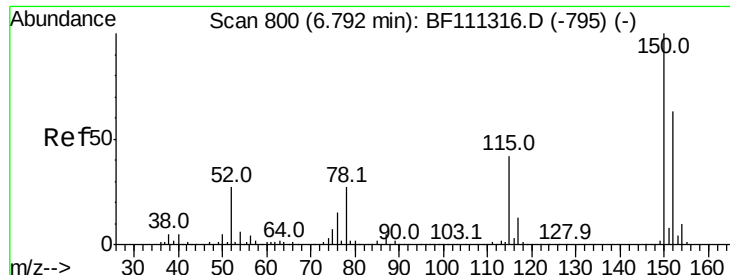
Instrument :
BNA_F
ClientSampled :
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#1

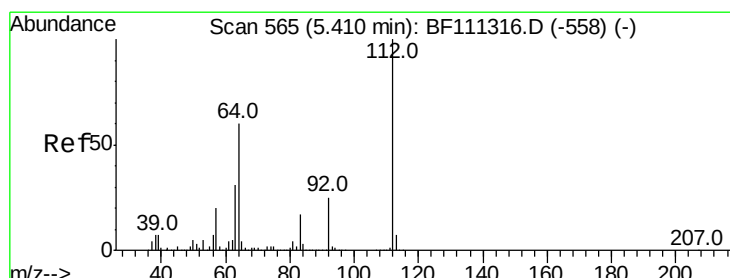
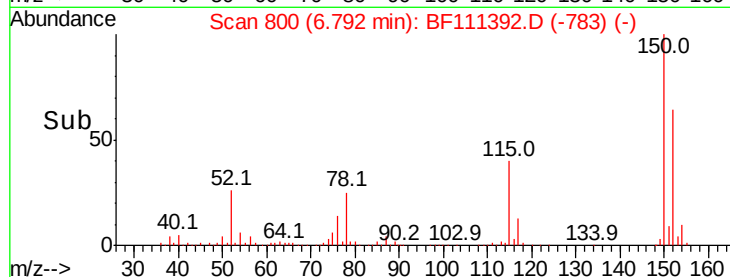
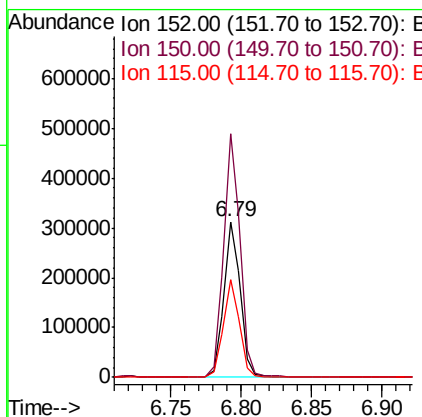
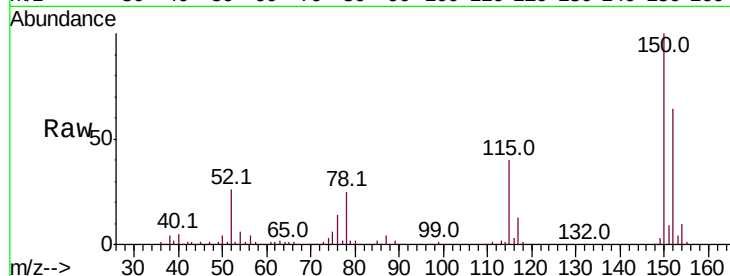
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.6	189.8
115	62.7	50.7	76.1

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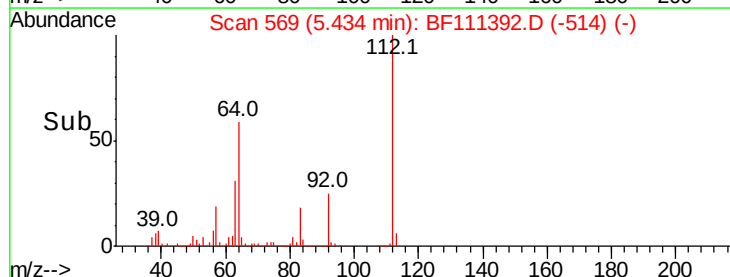
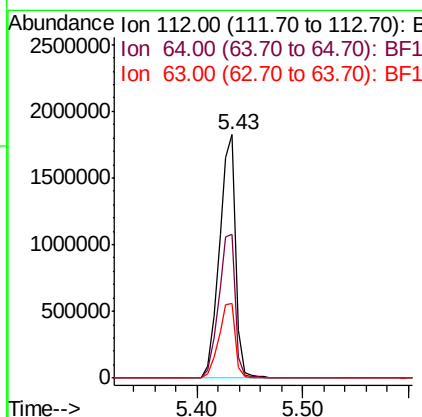
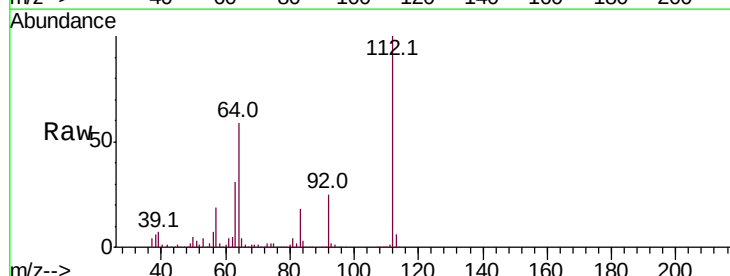
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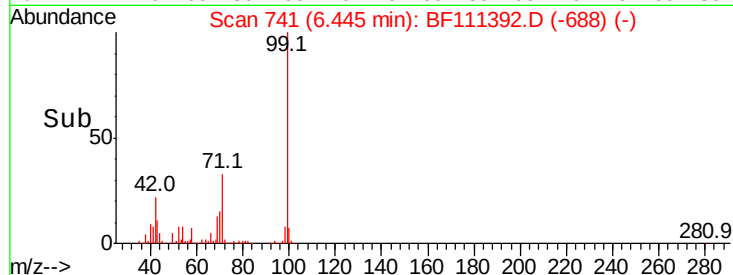
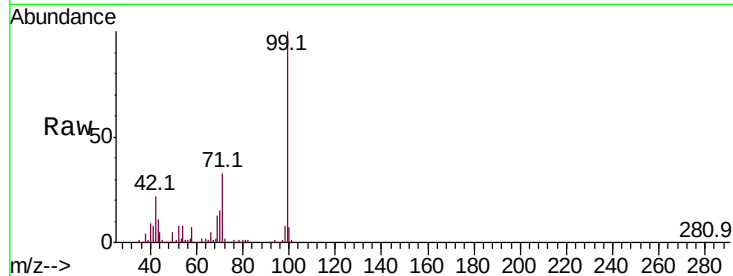
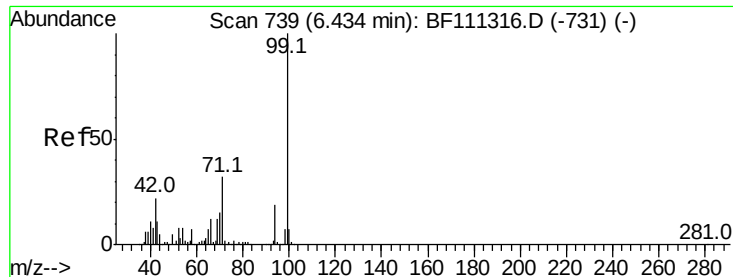


#5

2-Fluorophenol
Concen: 132.878 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	51.8	77.6
63	30.6	26.8	40.2





#7

Phenol-d6

Concen: 129.194 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

Tot Ion: 99 Resp: 2595218

Ion Ratio Lower Upper

99 100

42 22.2 17.4 26.0

71 32.7 26.1 39.1

Instrument :

BNA_F

ClientSampled :

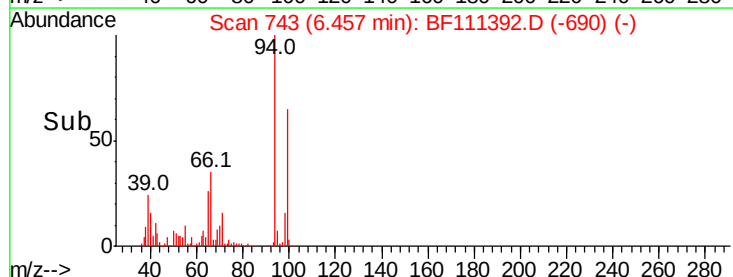
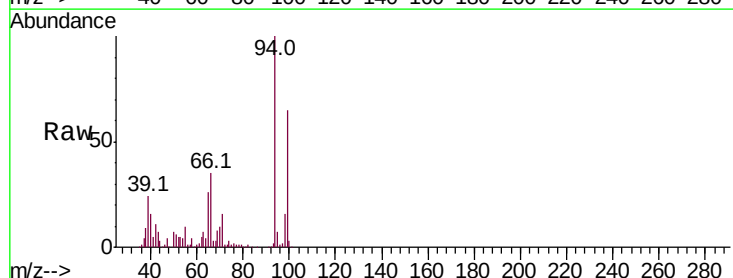
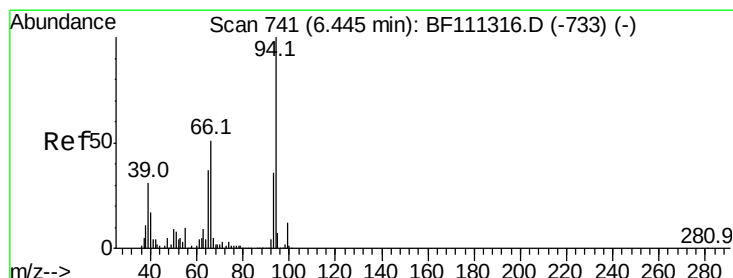
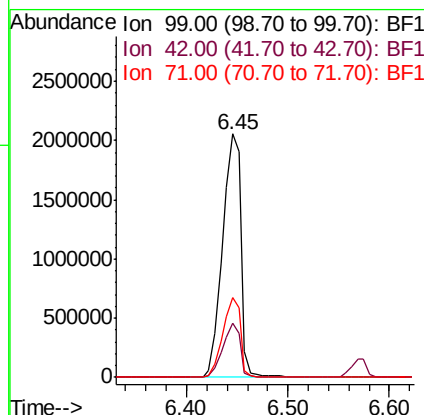
TP-4

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#10

Phenol

Concen: 8.953 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

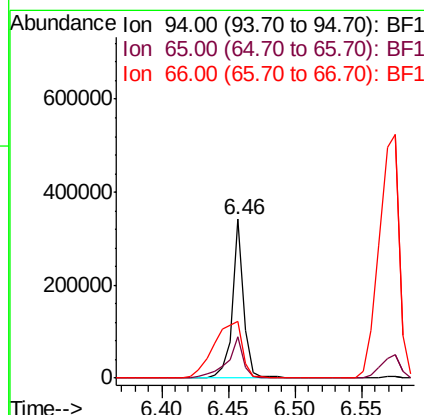
Tgt Ion: 94 Resp: 203727

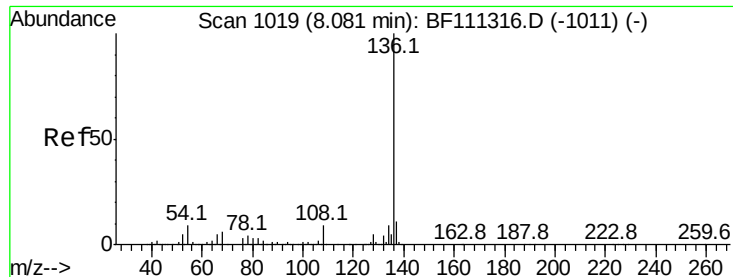
Ion Ratio Lower Upper

94 100

65 26.0 11.7 51.7

66 35.4 21.0 61.0





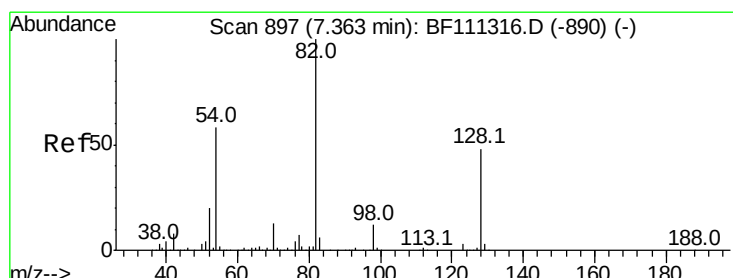
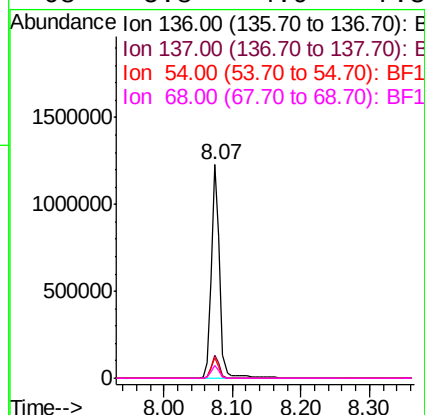
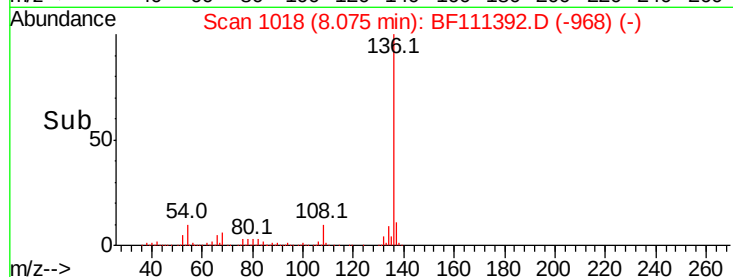
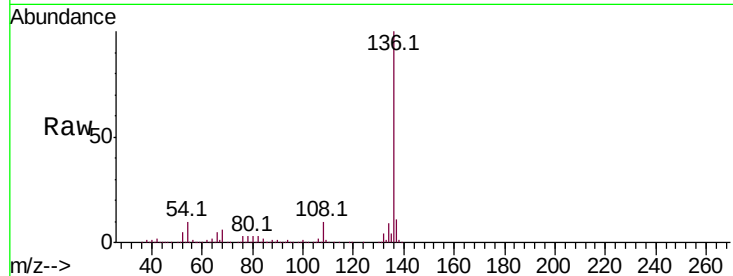
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		1063850		
137	11.0	9.1	13.7		
54	9.6	7.7	11.5		
68	5.8	4.9	7.3		

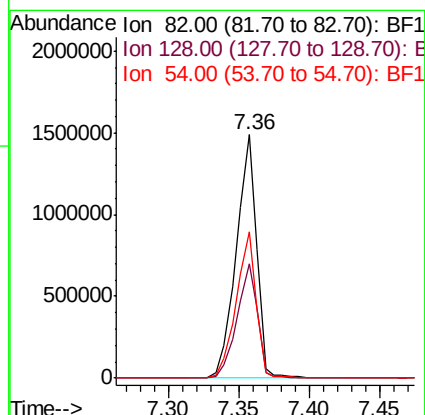
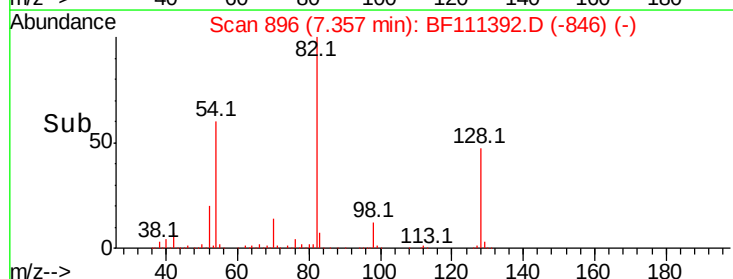
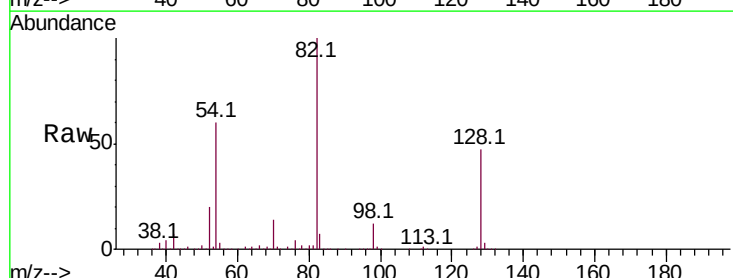
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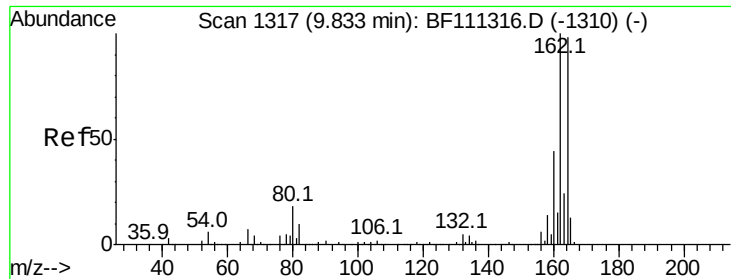
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#23
Nitrobenzene-d5
Concen: 79.494 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		1500433		
128	46.8	37.4	56.2		
54	60.0	47.6	71.4		





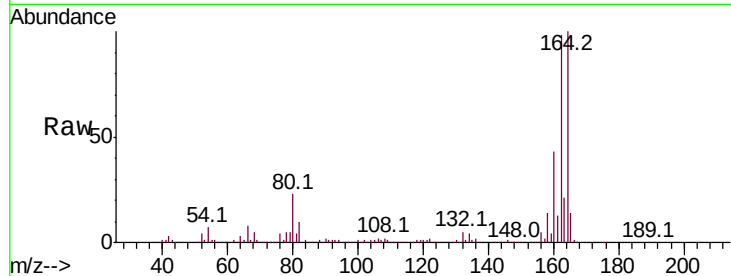
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Instrument :
BNA_F
ClientSampled :
TP-4

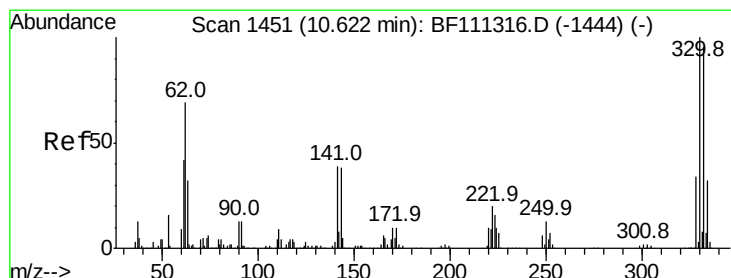
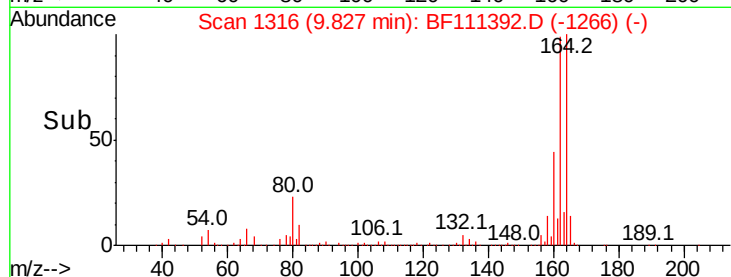
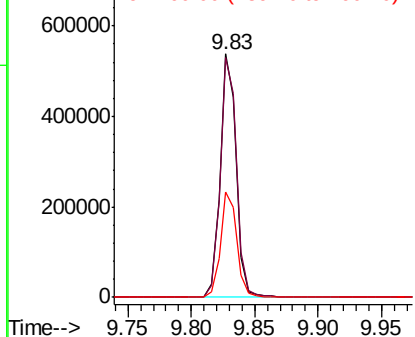
Tot Ion	Ratio	Resp	Lower	Upper
164	100	476670		
162	98.4		81.4	122.0
160	43.5		35.7	53.5

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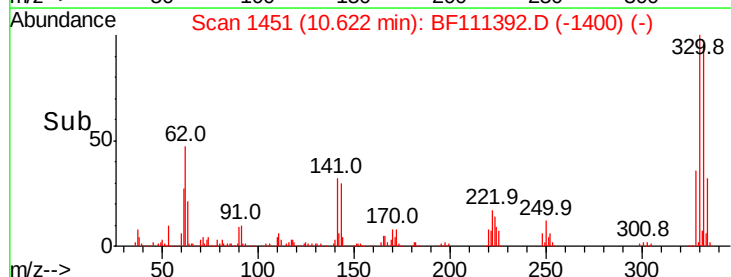
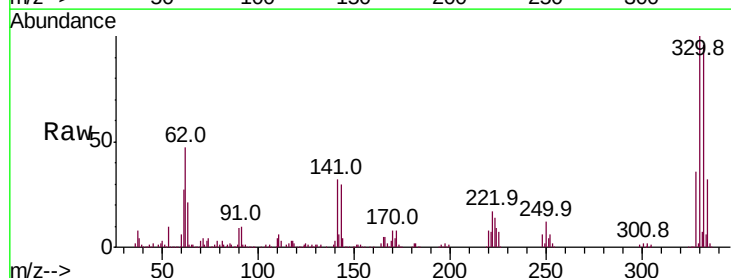
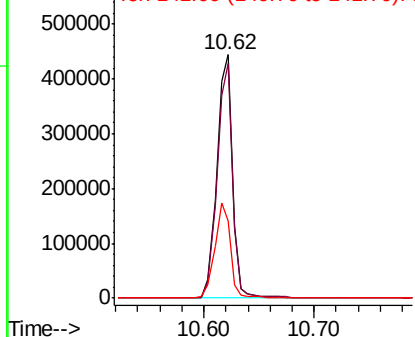
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

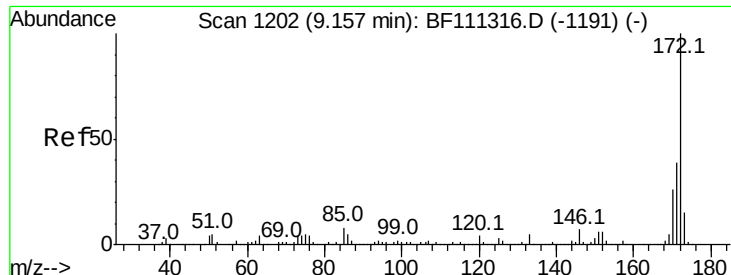


#42
2,4,6-Tribromophenol
Concen: 104.342 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	438437		
332	95.6		76.0	114.0
141	38.6		31.0	46.6

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





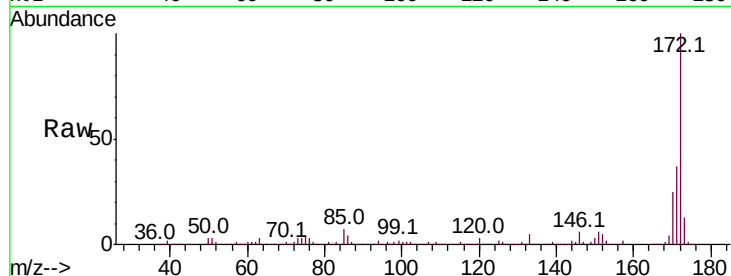
#45
2-Fluorobiphenyl
Concen: 71.139 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	33.0	49.4
170	24.6	22.3	33.5

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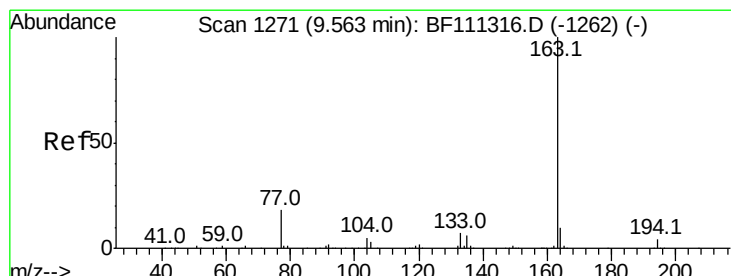
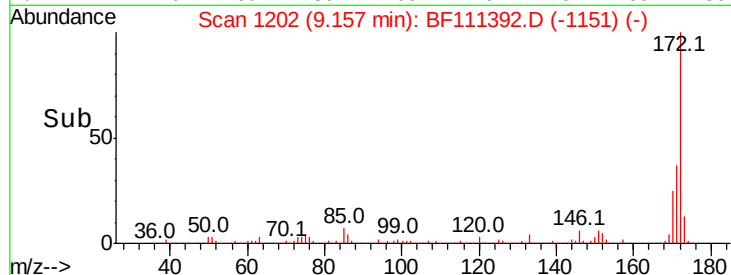
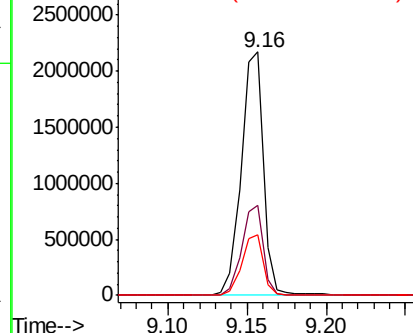


Abundance

Ion 172.00 (171.70 to 172.70): E

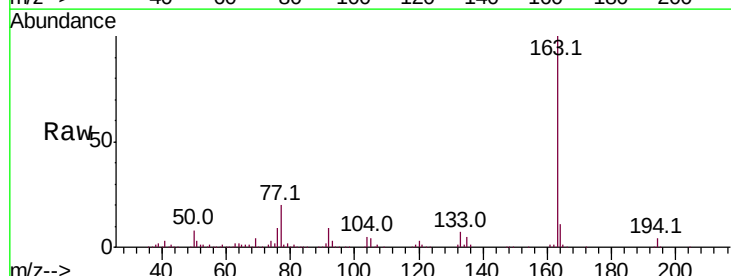
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 6.965 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.5	8.9	13.3

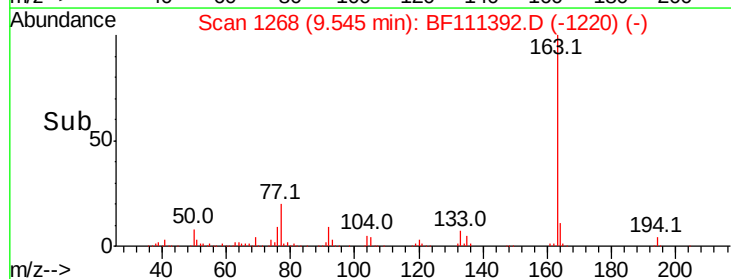
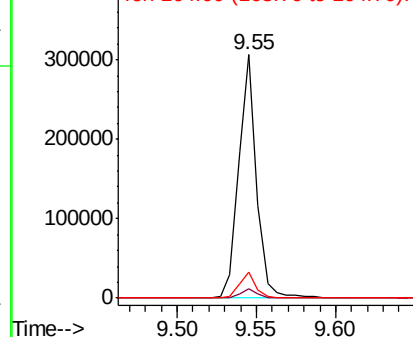


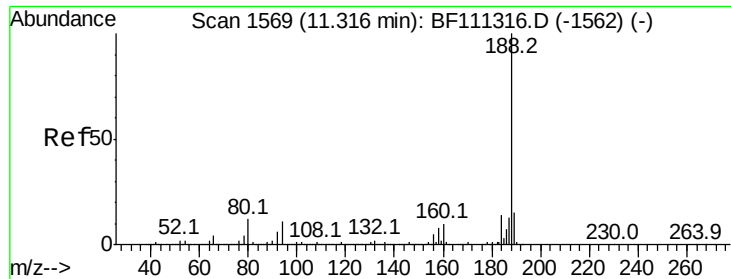
Abundance

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: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

Instrument :

BNA_F

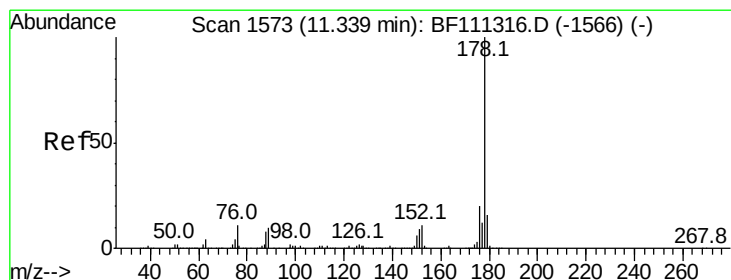
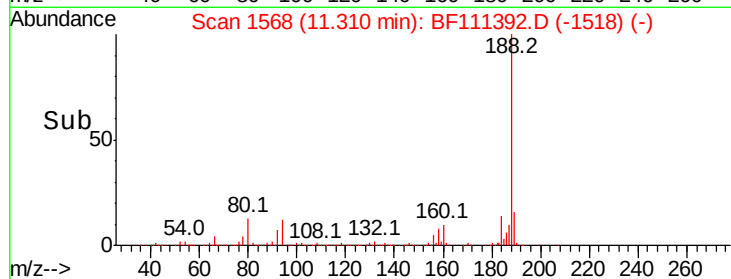
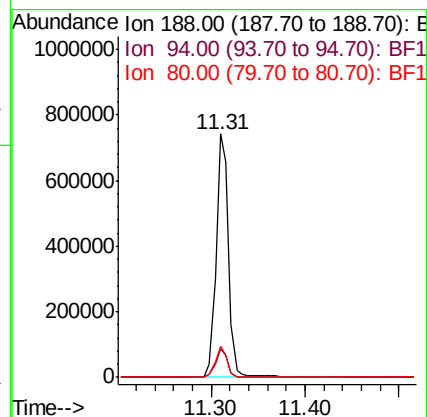
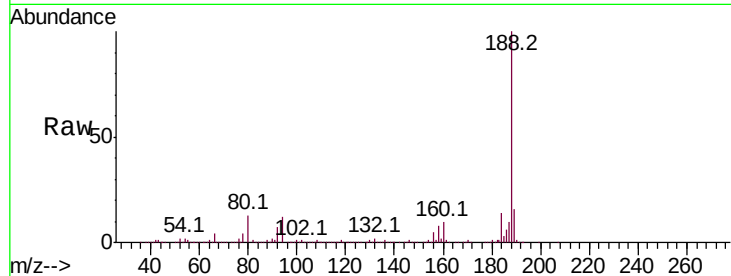
ClientSampled :

TP-4

Tot Ion:188	Resp: 697461
Ion Ratio Lower Upper	
188 100	
94 11.8	9.6 14.4
80 13.0	9.8 14.6

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#71

Phenanthrene

Concen: 13.559 ng

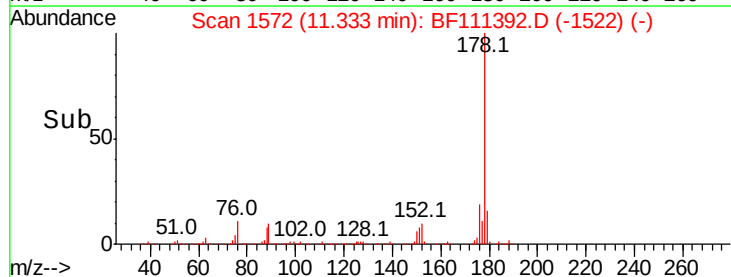
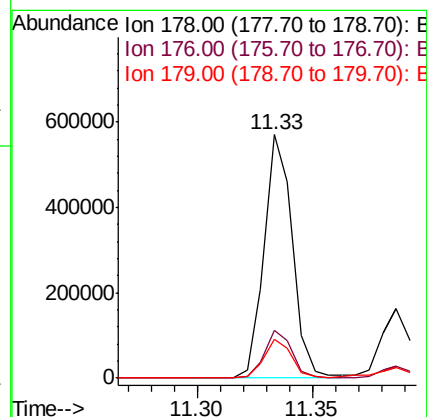
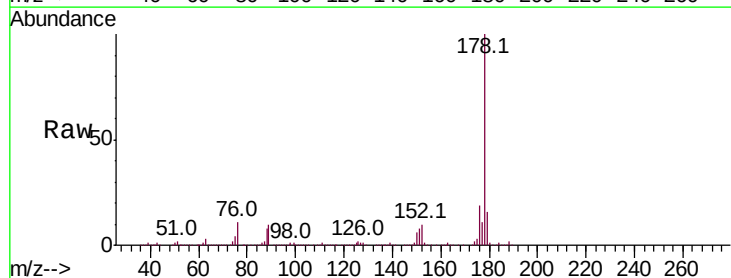
RT: 11.33 min Scan# 1572

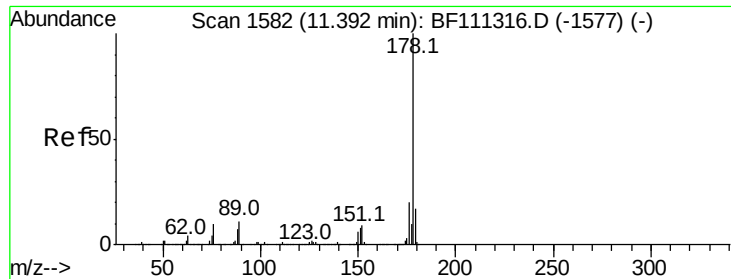
Delta R.T. -0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

Tgt Ion:178	Resp: 488800
Ion Ratio Lower Upper	
178 100	
176 19.4	18.1 27.1
179 15.9	14.0 21.0





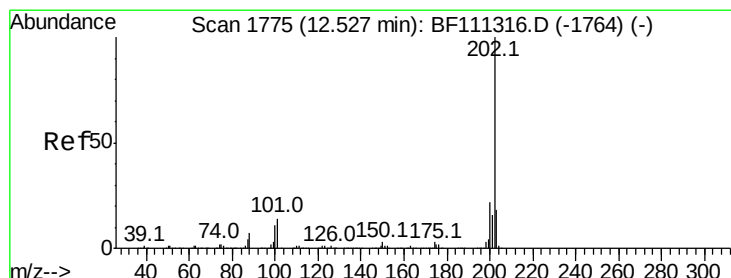
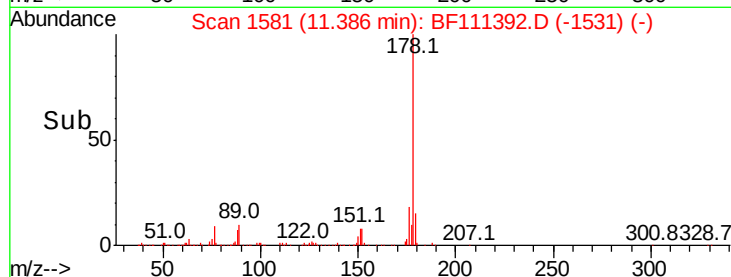
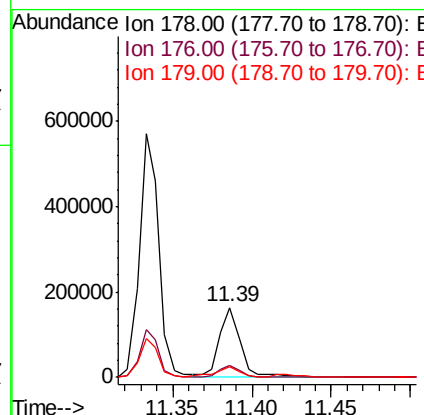
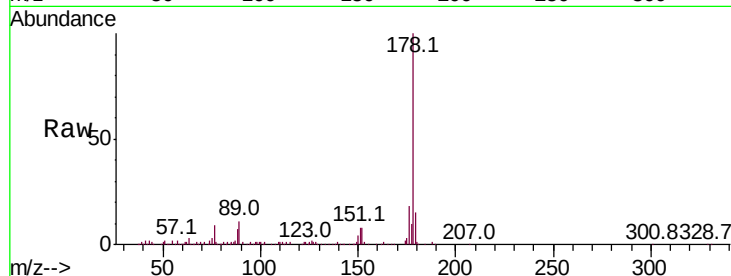
#72
 Anthracene
 Concen: 4.064 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF111392.D
 Acq: 14 Dec 2018 1:32

Instrument :
 BNA_F
 ClientSampled :
 TP-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	17.2	25.8
179	15.4	13.8	20.8

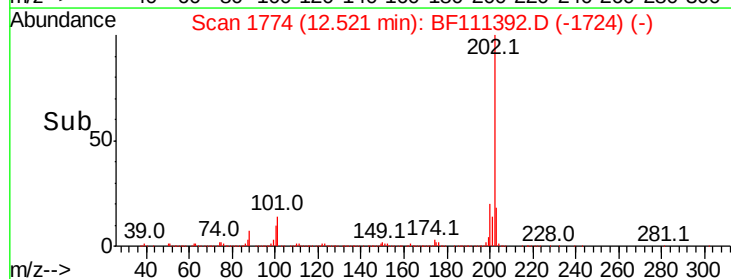
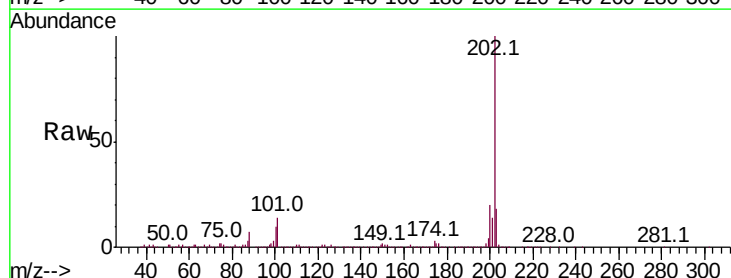
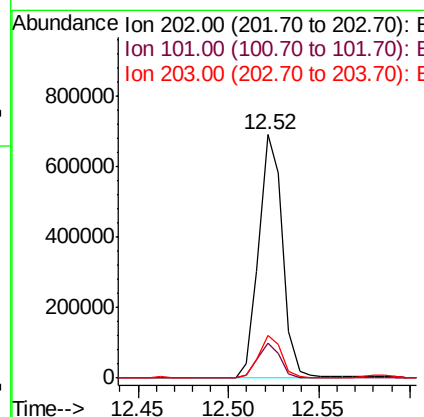
Manual Integrations
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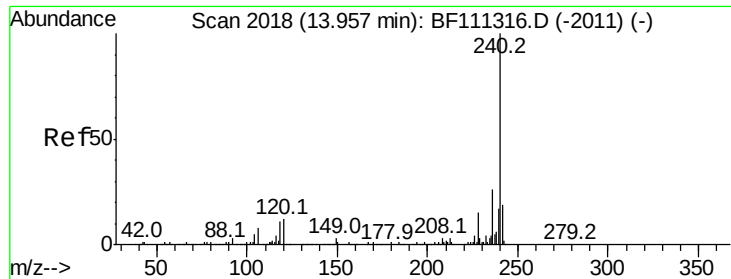
Sohil
 12/14/2018 5:11:27 PM



#75
 Fluoranthene
 Concen: 17.896 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. -0.01 min
 Lab File: BF111392.D
 Acq: 14 Dec 2018 1:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.8
203	17.8	0.0	38.6





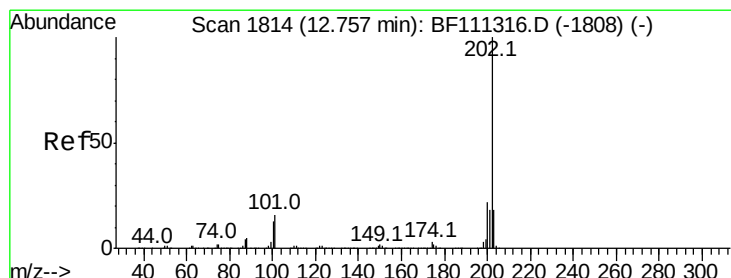
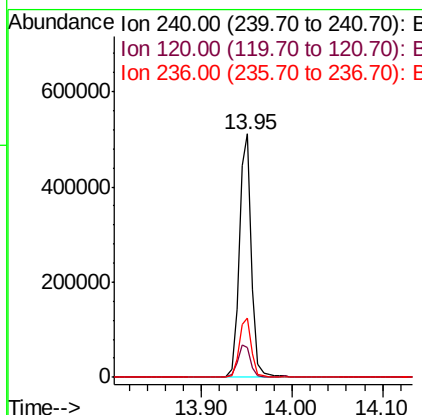
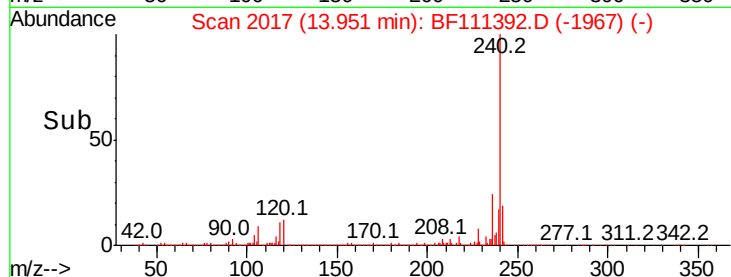
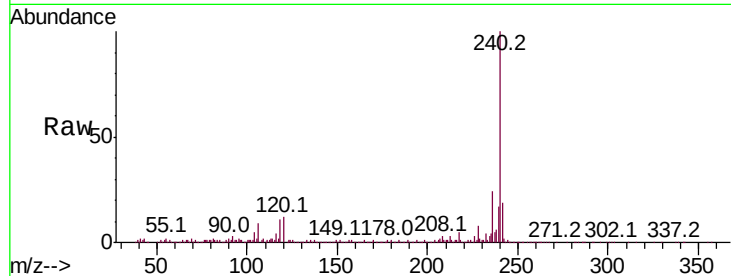
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	12.5	12.2	18.2
236	24.4	20.2	30.2

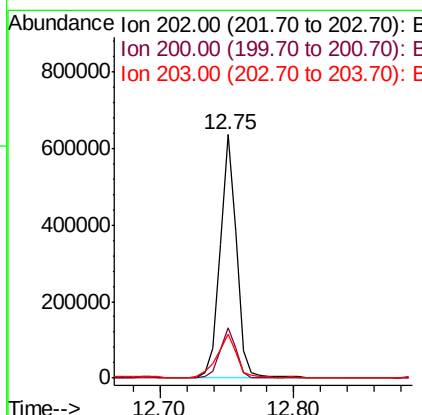
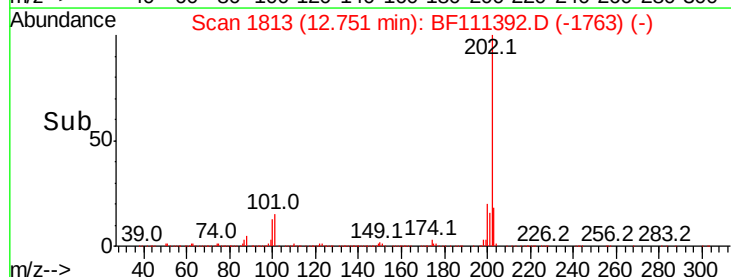
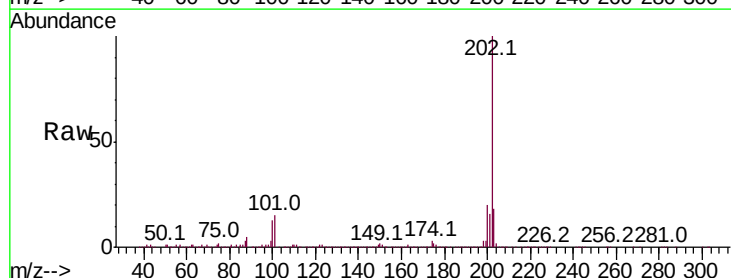
Manual Integrations
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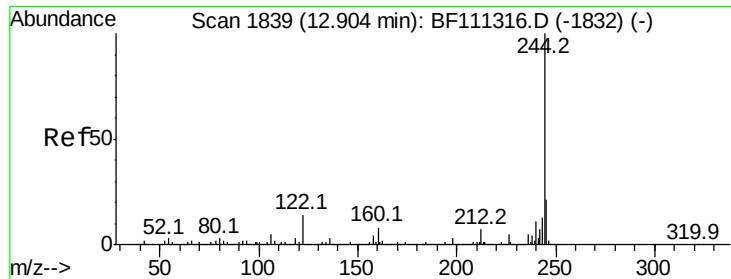
Sohil
12/14/2018 5:11:27 PM



#78
Pyrene
Concen: 14.881 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.4	19.0	28.4
203	17.9	15.2	22.8





#79

Terphenyl-d14

Concen: 61.531 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

Instrument :

BNA_F

ClientSampled :

TP-4

Tot Ion:244 Resp: 1353585

Ion Ratio Lower Upper

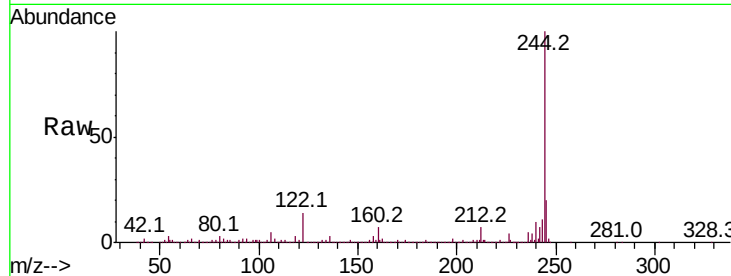
244 100

212 6.7 5.7 8.5

122 14.0 13.1 19.7

Manual Integrations
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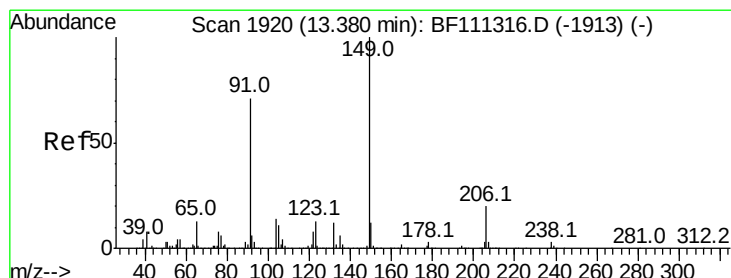
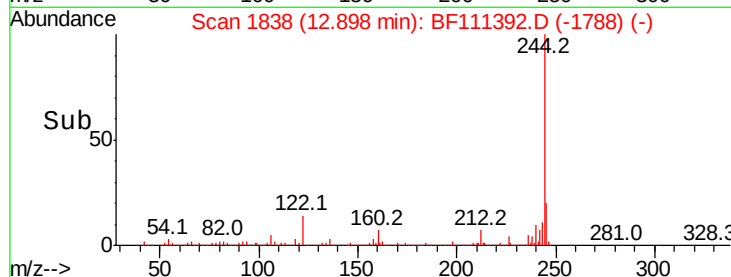
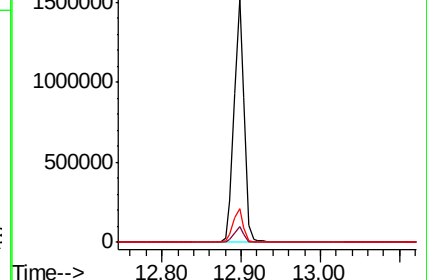
Sohil
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 2.119 ng

RT: 13.37 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

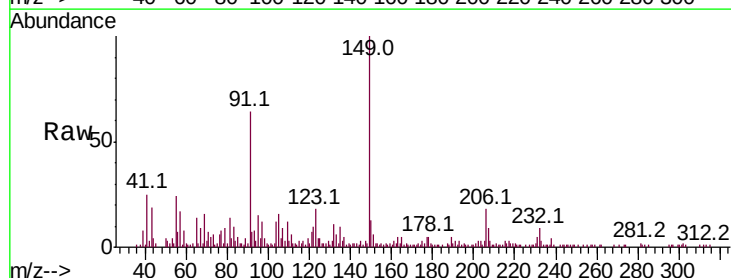
Tgt Ion:149 Resp: 38016

Ion Ratio Lower Upper

149 100

91 64.2 63.8 95.6

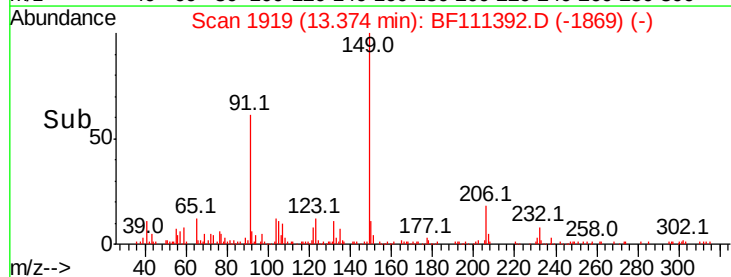
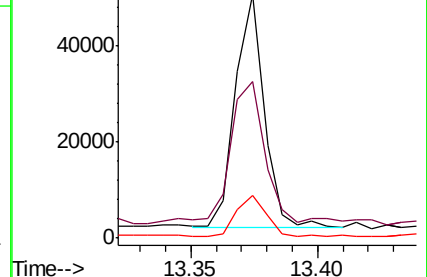
206 17.7 15.1 22.7

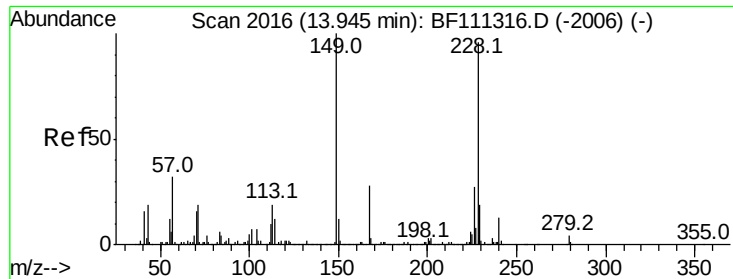


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





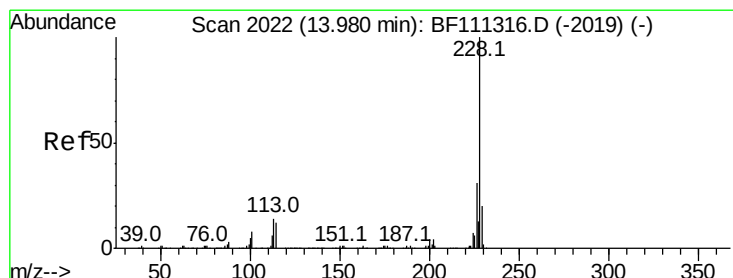
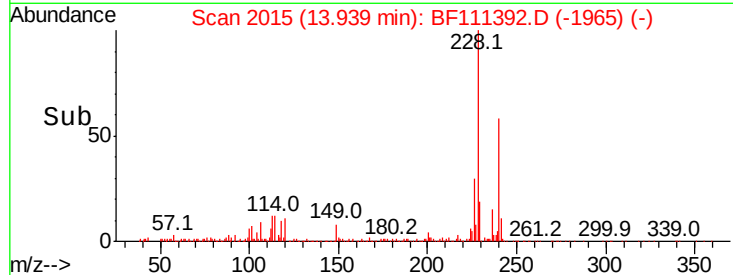
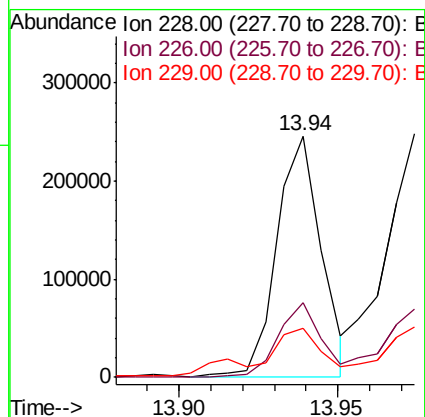
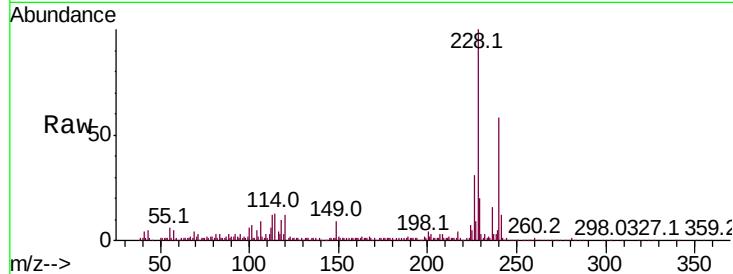
#81
Benzo(a)anthracene
Concen: 8.803 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Instrument :
BNA_F
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	34.0
229	20.3	16.3	24.5

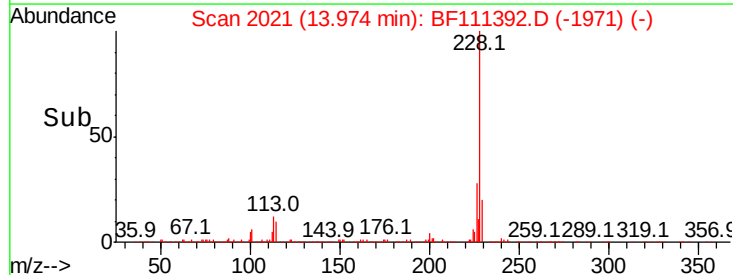
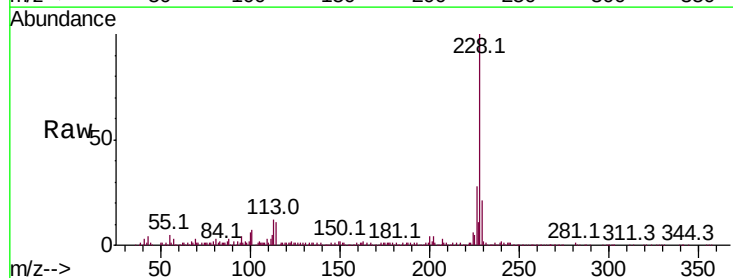
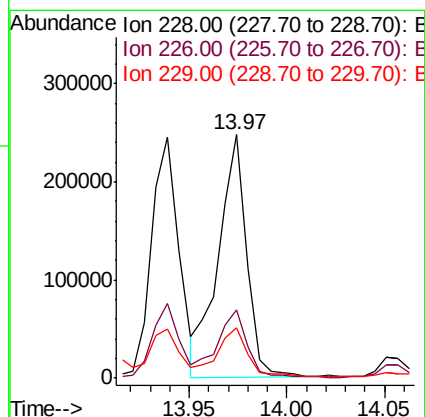
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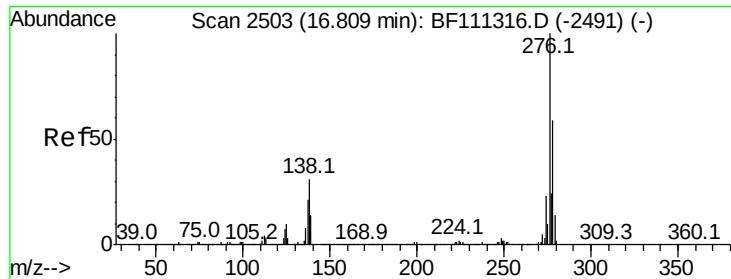
Sohil
12/14/2018 5:11:27 PM



#83
Chrysene
Concen: 9.044 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	25.3	37.9
229	20.5	17.2	25.8





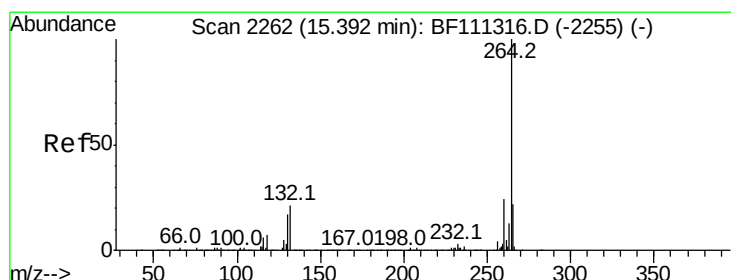
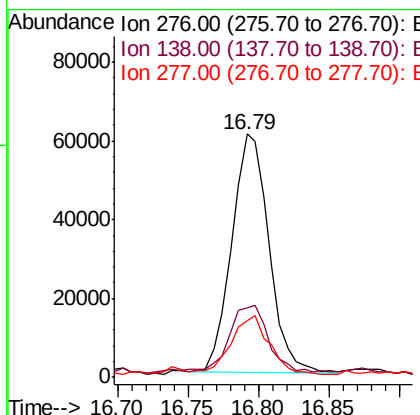
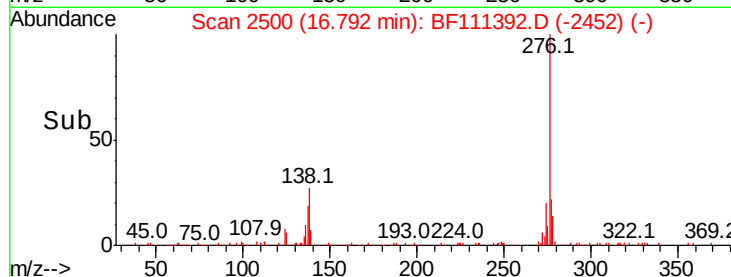
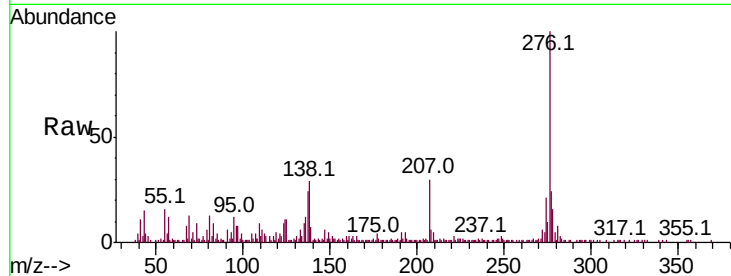
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.173 ng
RT: 16.79 min Scan# 2500
Delta R.T. -0.02 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.9	27.8	41.6
277	25.7	20.1	30.1

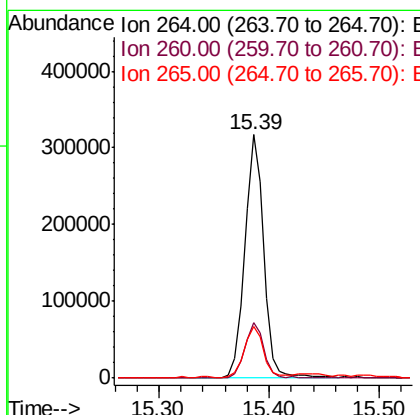
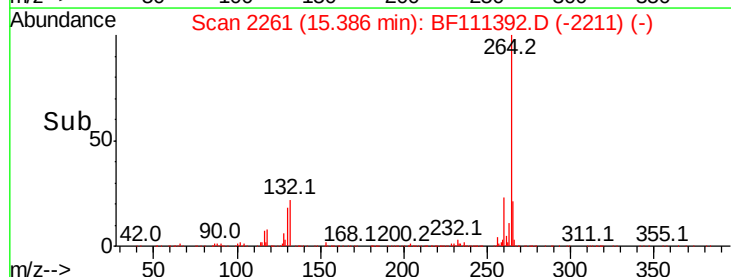
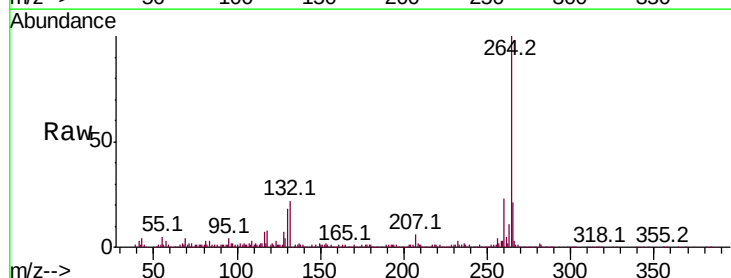
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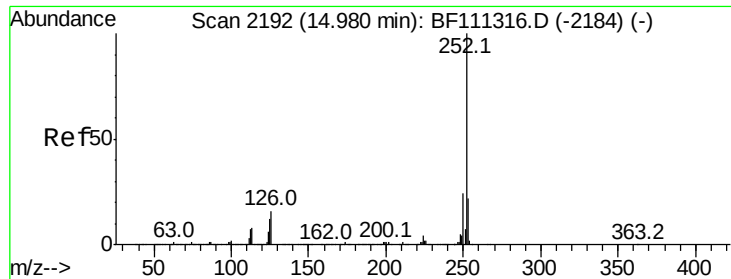
Sohil
12/14/2018 5:11:27 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.3	27.5
265	21.4	17.7	26.5





#88

Benzo(b)fluoranthene

Concen: 13.638 ng m

RT: 14.97 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

Instrument :

BNA_F

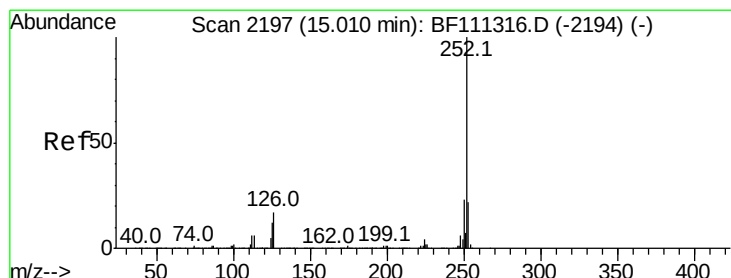
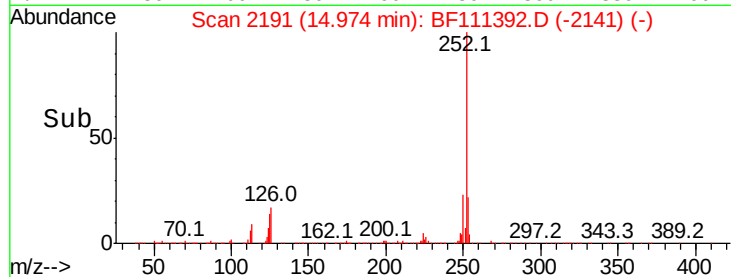
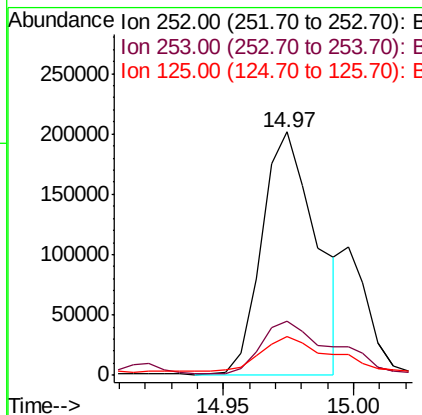
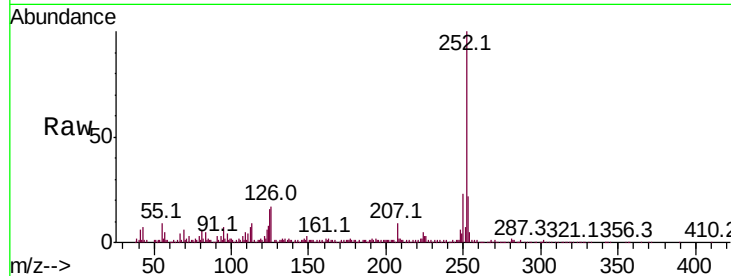
ClientSampled :

TP-4

Tot Ion:	252	Resp:	296898
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.2	27.2
125	16.0	10.4	15.6#

Manual Integrations
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12/14/2018 5:11:27 PM



#89

Benzo(k)fluoranthene

Concen: 3.706 ng m

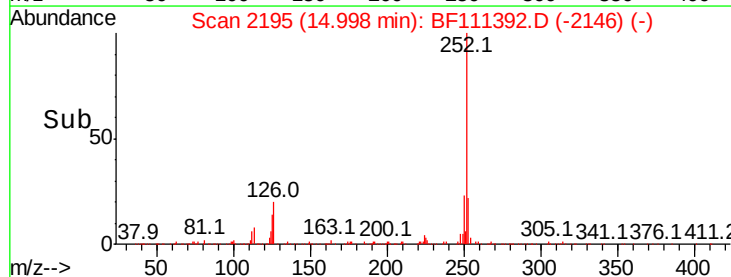
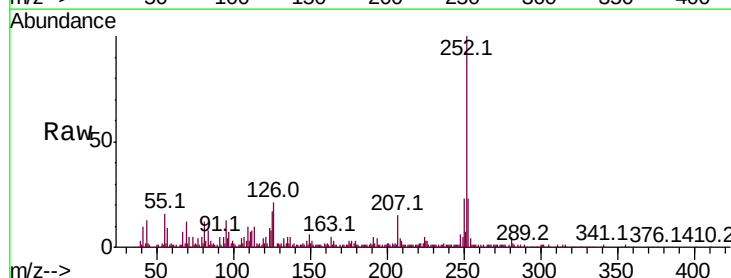
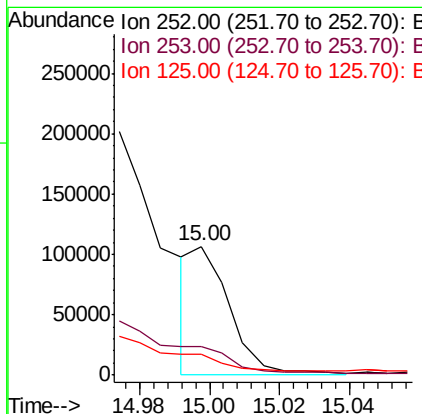
RT: 15.00 min Scan# 2195

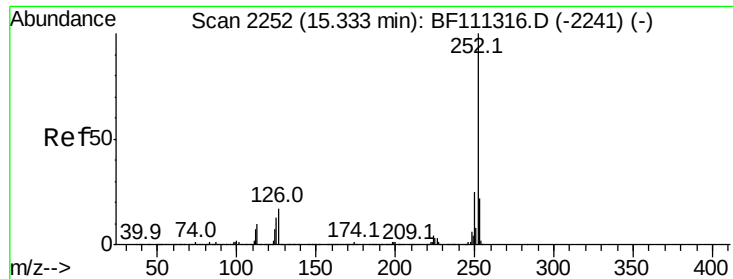
Delta R.T. -0.01 min

Lab File: BF111392.D

Acq: 14 Dec 2018 1:32

Tgt Ion:	252	Resp:	80542
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.1	27.1
125	16.7	9.8	14.8#





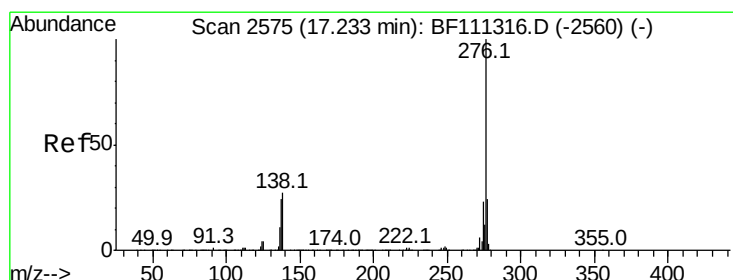
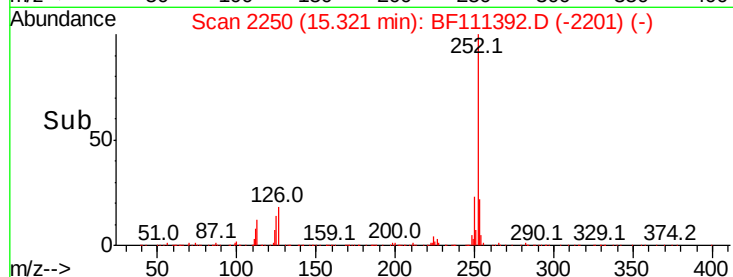
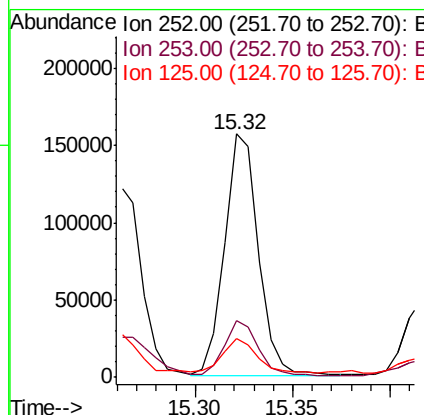
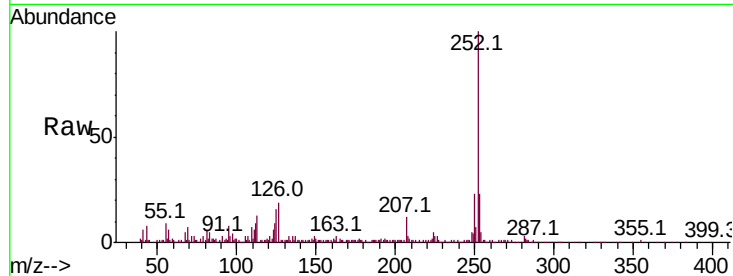
#90
Benzo(a)pyrene
Concen: 9.261 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Instrument :
BNA_F
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	15.9	12.3	18.5

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#92
Benzo(g,h,i)perylene
Concen: 6.734 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BF111392.D
Acq: 14 Dec 2018 1:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.2	28.8
138	29.4	24.9	37.3

