

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
 Data File : BF111700.D
 Acq On : 21 Dec 2018 21:09
 Operator : JU/SJ
 Sample : J6191-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-122018-B

Manual Integrations
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 12/26/2018 3:10:53 PM

Quant Time: Dec 22 00:33:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	164814	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	585958	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	257750	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	438125	20.00	ng	0.00
76) Chrysene-d12	14.06	240	315613	20.00	ng	0.01
87) Perylene-d12	15.54	264	255507	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	504692	52.20	ng	0.01
7) Phenol-d6	6.53	99	631305	51.30	ng	0.01
23) Nitrobenzene-d5	7.46	82	385777	38.32	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	148135	48.64	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	662801	37.48	ng	0.00
79) Terphenyl-d14	13.01	244	583476	35.06	ng	0.01
Target Compounds						
10) Phenol	6.55	94	49135	3.539	ng	96
50) Dimethylphthalate	9.65	163	98481	5.225	ng	99
71) Phenanthrene	11.45	178	225566	9.708	ng	93
75) Fluoranthene	12.64	202	377893	16.061	ng	93
78) Pyrene	12.87	202	362456	16.262	ng	95
81) Benzo(a)anthracene	14.05	228	154384	8.571	ng	100
83) Chrysene	14.09	228	142374	8.042	ng	97
86) Indeno(1,2,3-cd)pyrene	17.04	276	47968	3.187	ng	# 85
88) Benzo(b)fluoranthene	15.11	252	145524m	9.745	ng	
89) Benzo(k)fluoranthene	15.13	252	53191m	3.741	ng	
90) Benzo(a)pyrene	15.48	252	96317	7.100	ng	96
92) Benzo(a,h,i)perylene	17.49	276	44396	3.827	ng	# 89

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

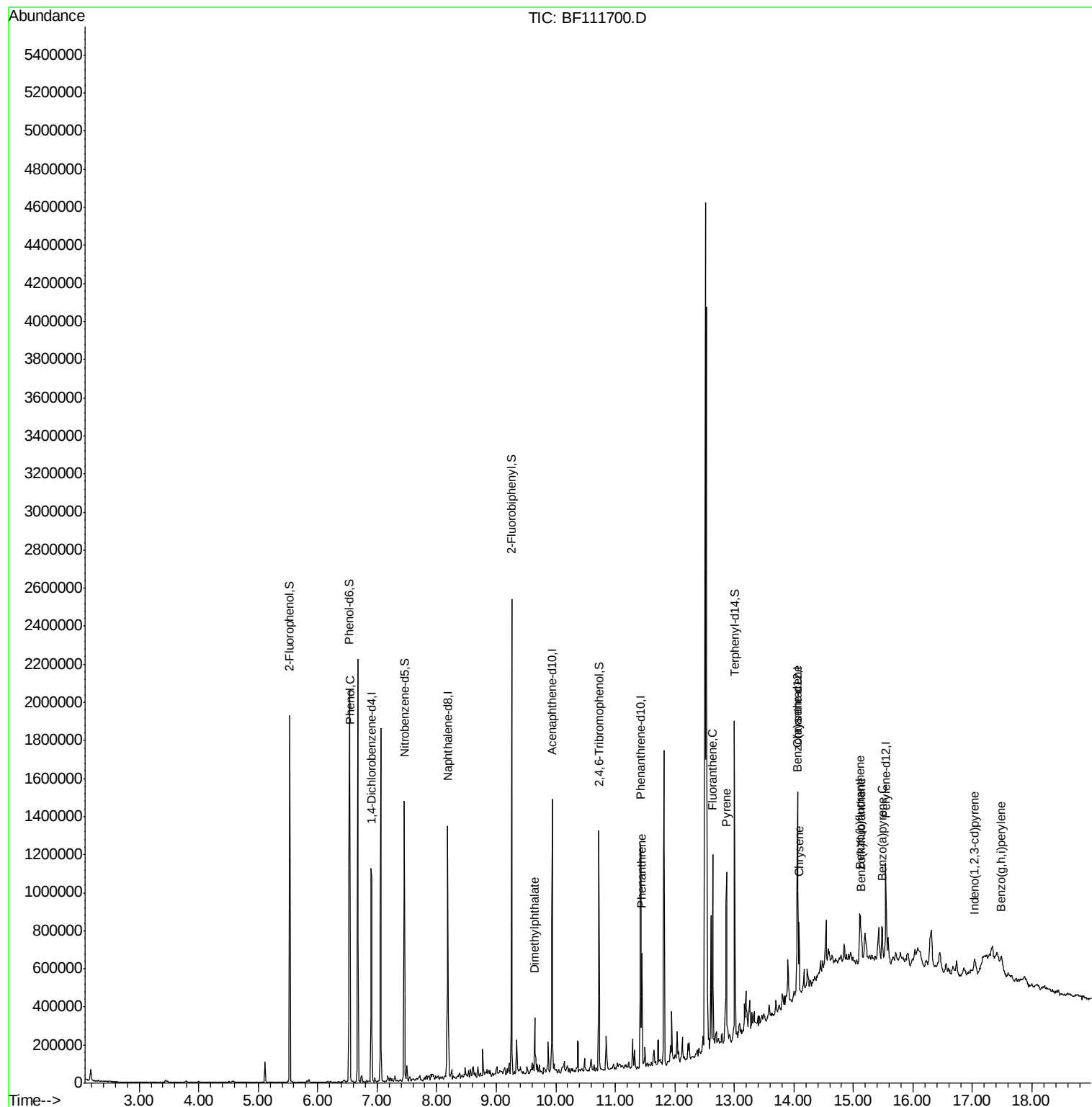
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
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ALS Vial : 21 Sample Multiplier: 1

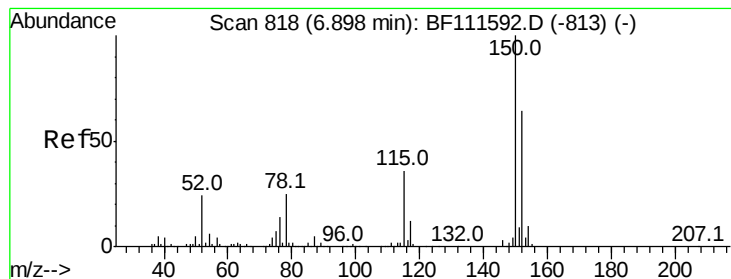
Instrument :
BNA_F
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NB-07-122018-B

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#1

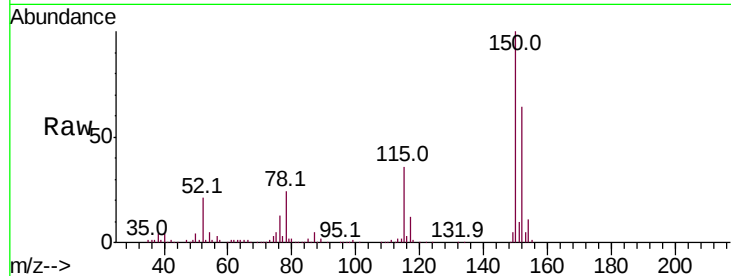
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.6	189.8
115	56.1	50.7	76.1

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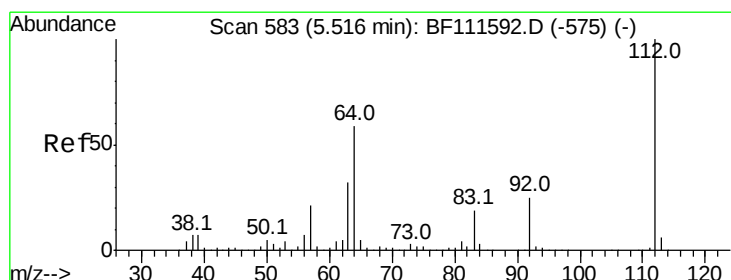
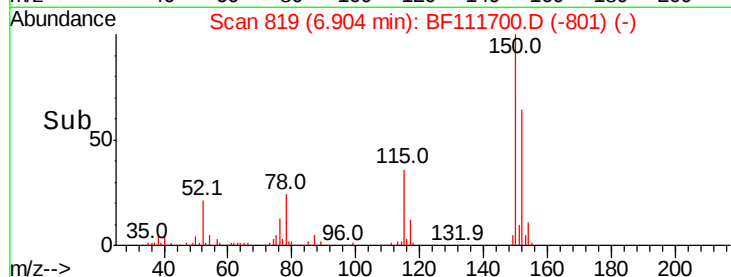
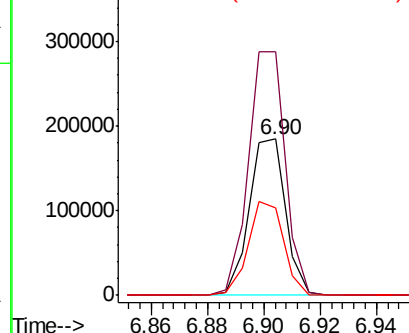


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

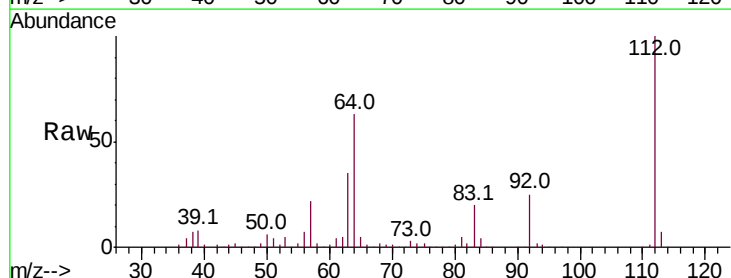
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 52.196 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	51.8	77.6
63	34.6	26.8	40.2

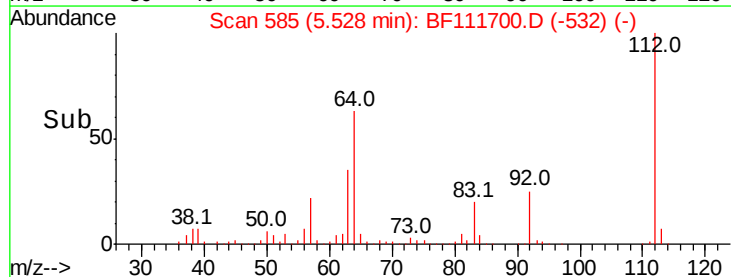
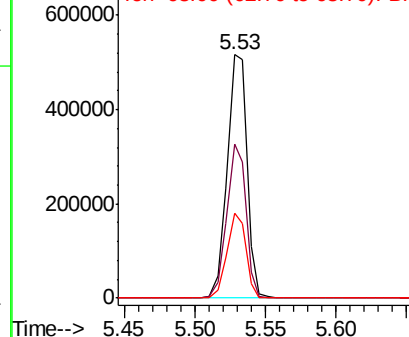


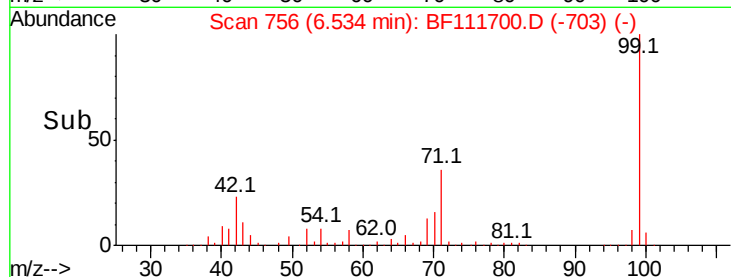
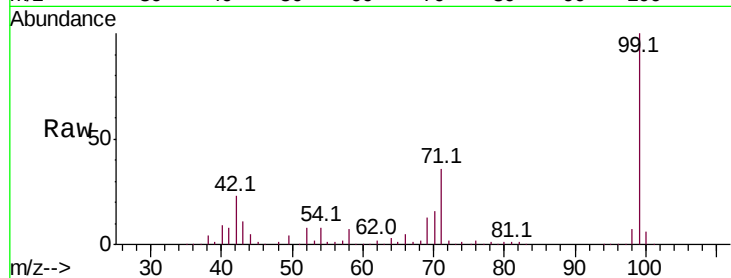
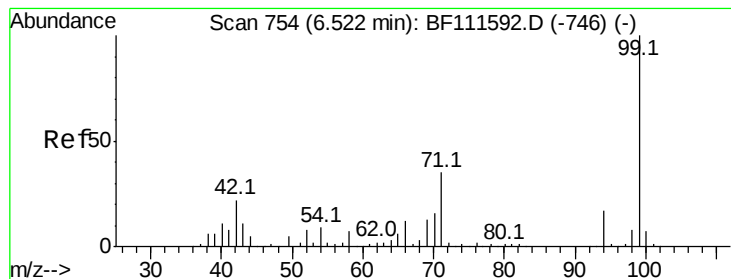
Abundance

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: 51.303 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111700.D

Acq: 21 Dec 2018 21:09

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		631305		
42	22.6	17.4	26.0		
71	36.5	26.1	39.1		

Instrument :

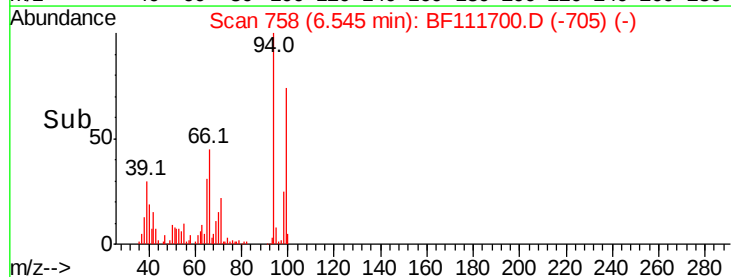
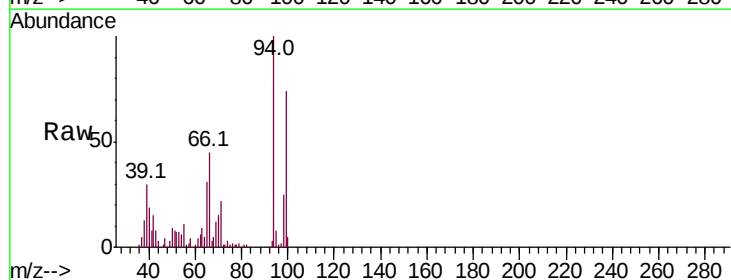
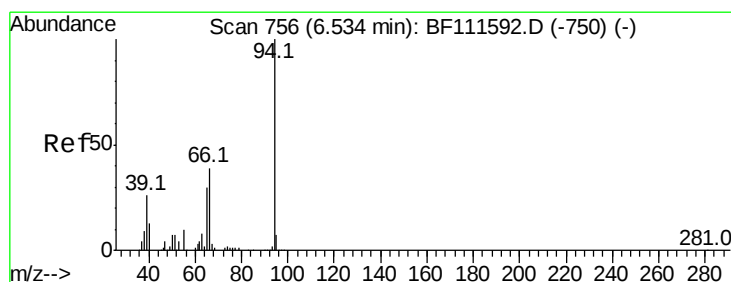
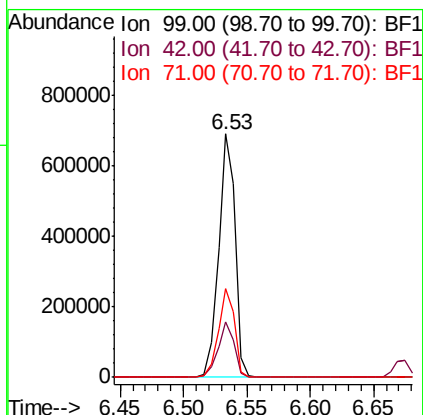
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#10

Phenol

Concen: 3.539 ng

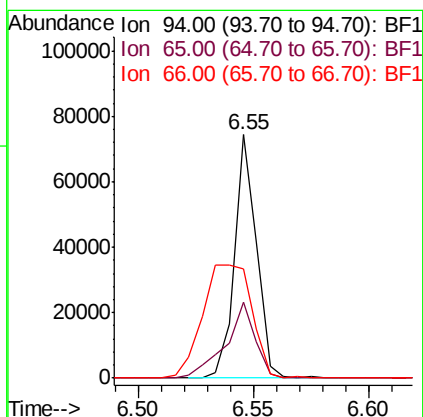
RT: 6.55 min Scan# 758

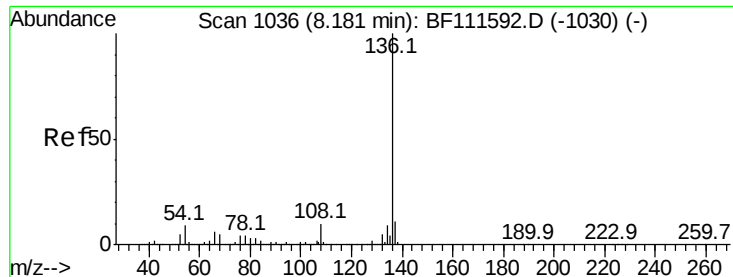
Delta R.T. 0.01 min

Lab File: BF111700.D

Acq: 21 Dec 2018 21:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		49135		
65	31.2	11.7	51.7		
66	44.7	21.0	61.0		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111700.D

Acq: 21 Dec 2018 21:09

Instrument :

BNA_F

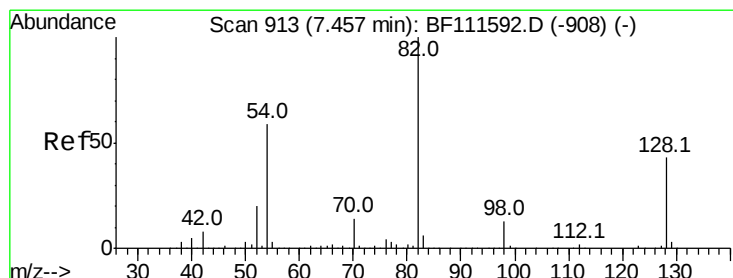
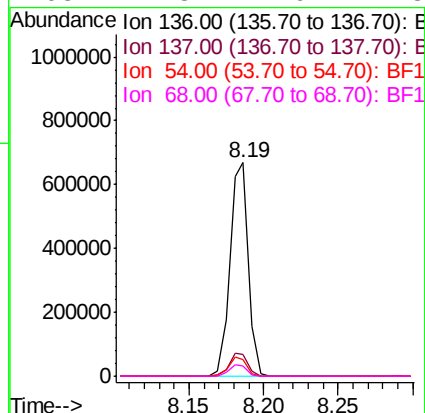
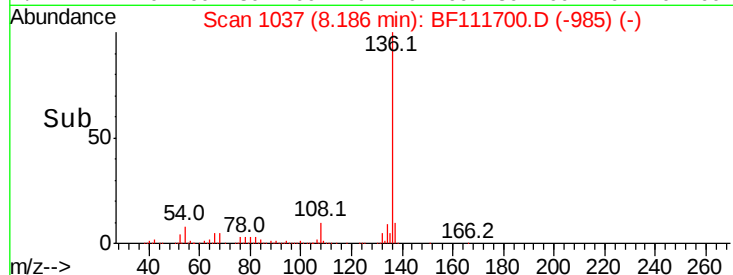
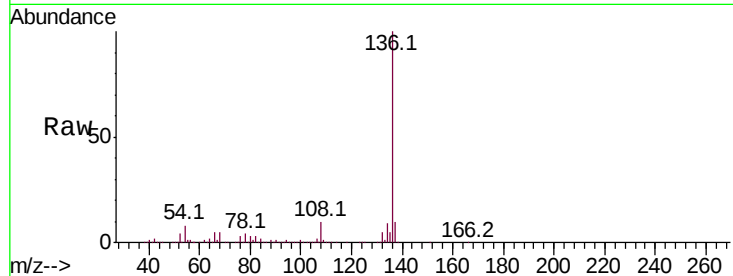
ClientSampleId :

NB-07-122018-B

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.3	9.1	13.7
54	7.8	7.7	11.5
68	4.8	4.9	7.3#

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#23

Nitrobenzene-d5

Concen: 38.322 ng

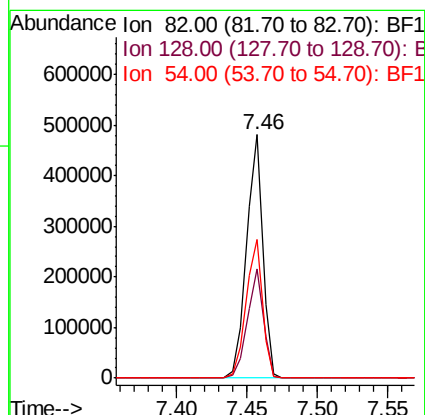
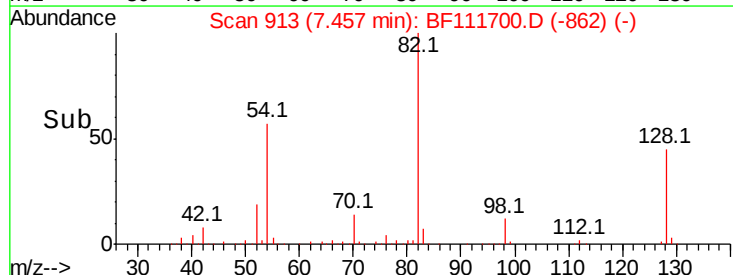
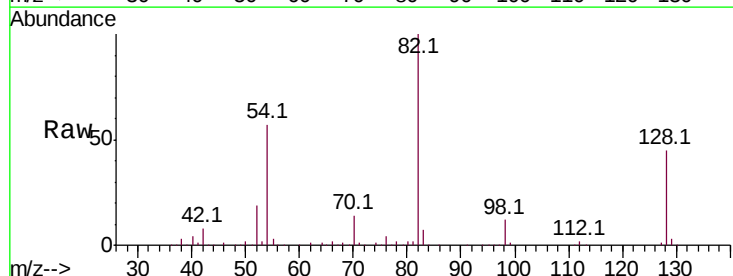
RT: 7.46 min Scan# 913

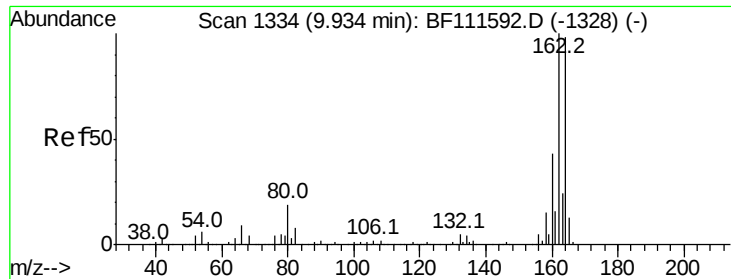
Delta R.T. -0.00 min

Lab File: BF111700.D

Acq: 21 Dec 2018 21:09

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.7	37.4	56.2
54	57.2	47.6	71.4





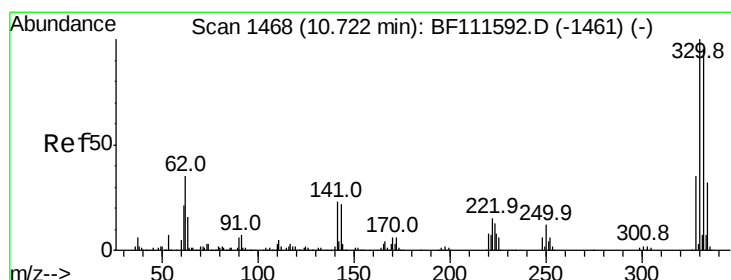
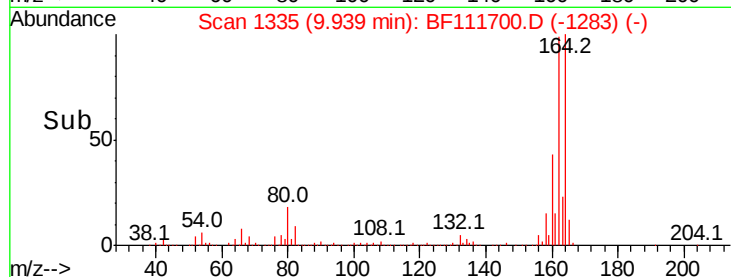
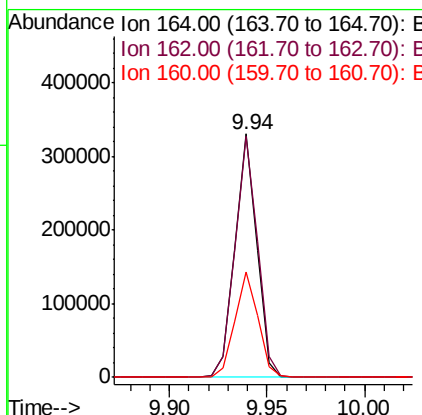
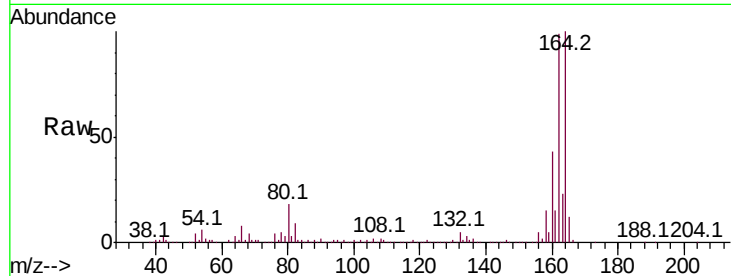
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

Instrument :
BNA_F
ClientSampleId :
NB-07-122018-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.1	81.4	122.0	
160	43.1	35.7	53.5	

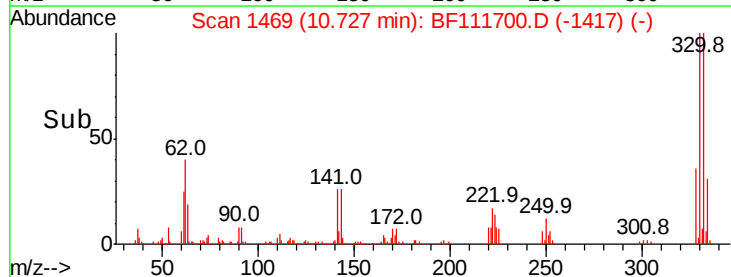
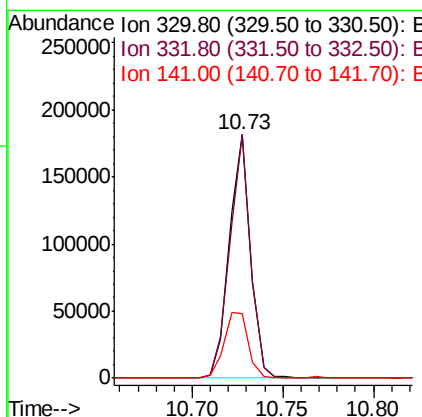
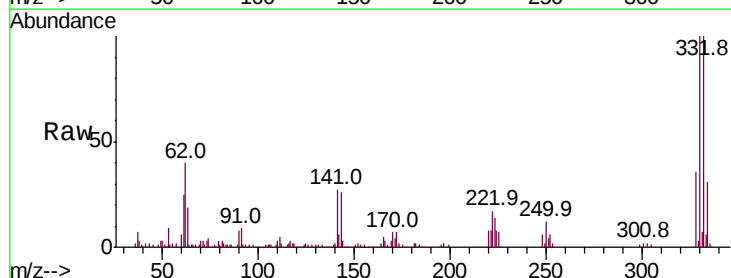
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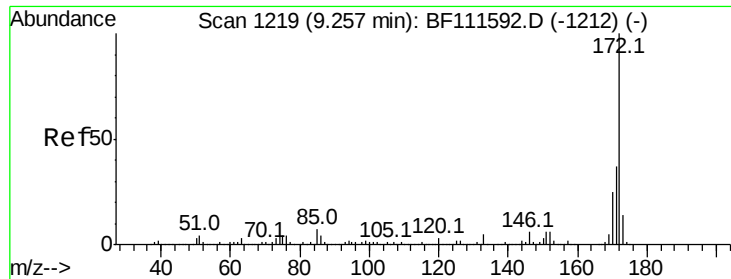
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#42
2,4,6-Tribromophenol
Concen: 48.640 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.4	76.0	114.0	
141	30.2	31.0	46.6#	





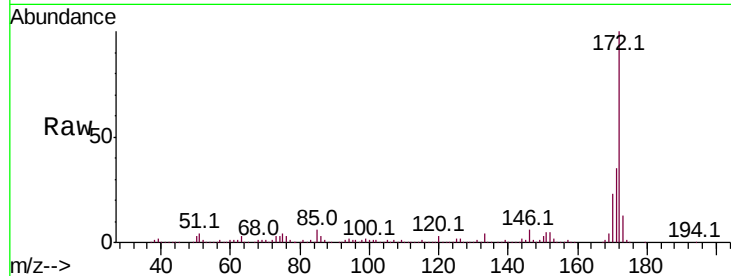
#45
2-Fluorobiphenyl
Concen: 37.481 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

Instrument :
BNA_F
ClientSampleId :
NB-07-122018-B

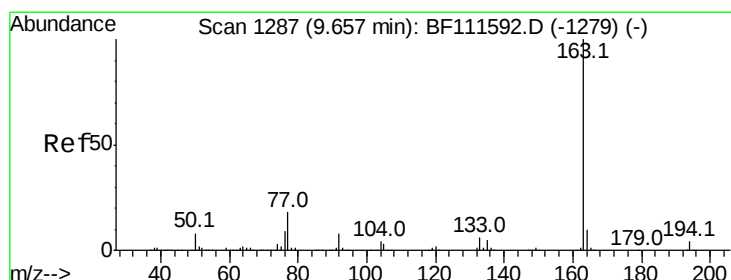
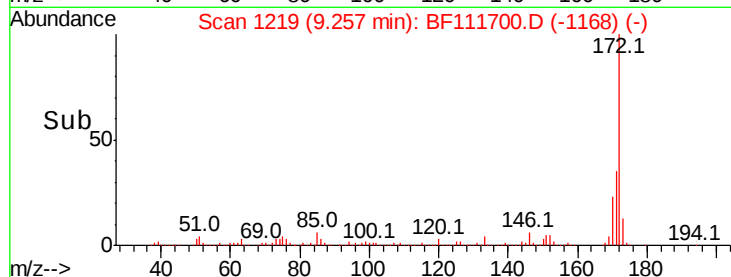
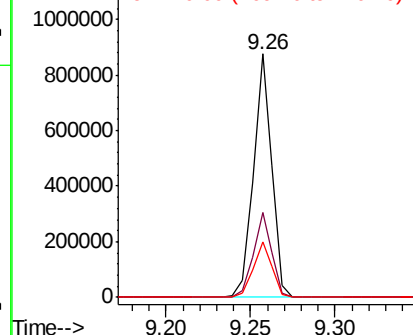
Tot Ion	Ratio	Resp	Lower	Upper
172	100	662801		
171	34.8		33.0	49.4
170	22.8		22.3	33.5

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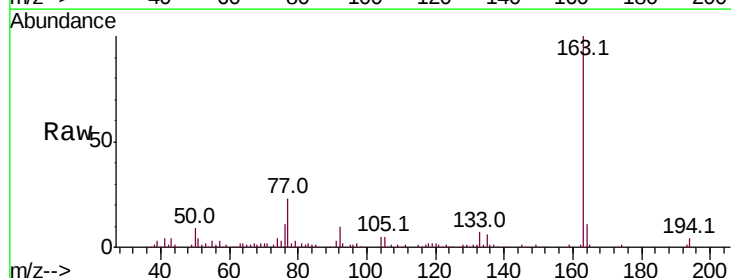


Abundance Ion 172.00 (171.70 to 172.70): E
1200000
Ion 171.00 (170.70 to 171.70): E
1000000
Ion 170.00 (169.70 to 170.70): E

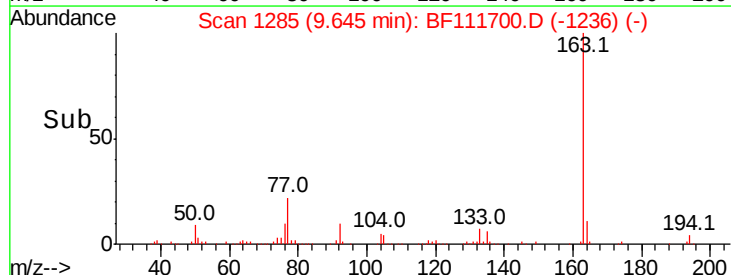
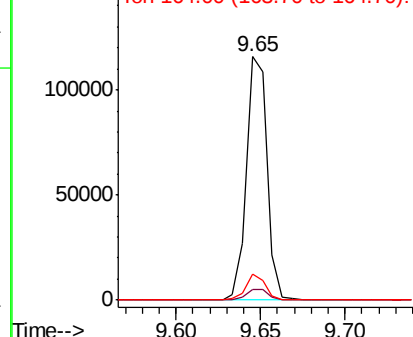


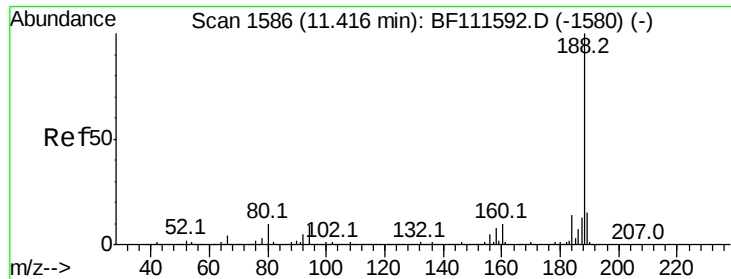
#50
Dimethylphthalate
Concen: 5.225 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	98481		
194	4.3		3.0	4.6
164	10.8		8.9	13.3



Abundance Ion 163.00 (162.70 to 163.70): E
150000
Ion 194.00 (193.70 to 194.70): E
100000
Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF111700.D

Acq: 21 Dec 2018 21:09

Instrument :

BNA_F

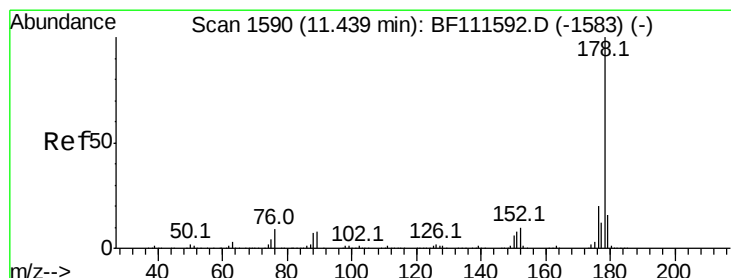
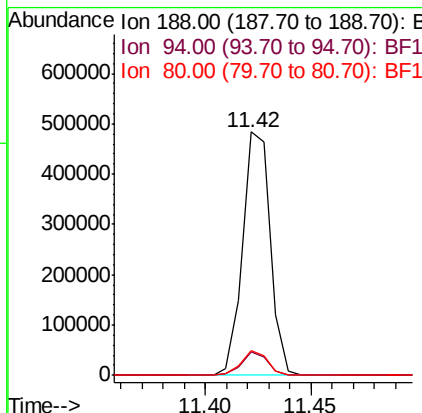
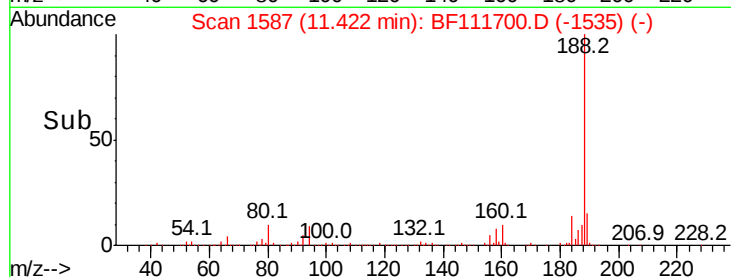
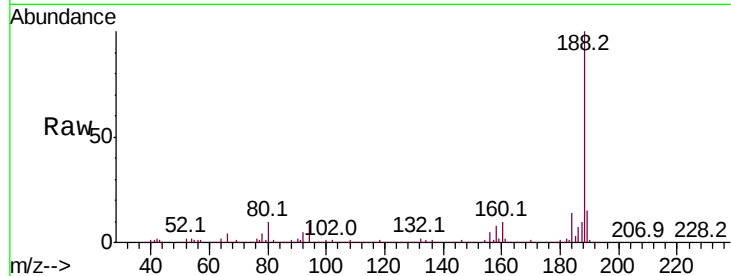
ClientSampleId :

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Tot Ion:	188	Resp:	438125
Ion Ratio	Lower	Upper	
188	100		
94	9.4	9.6	14.4#
80	9.9	9.8	14.6

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#71

Phenanthrene

Concen: 9.708 ng

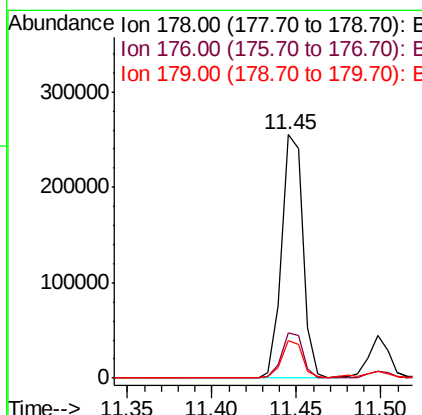
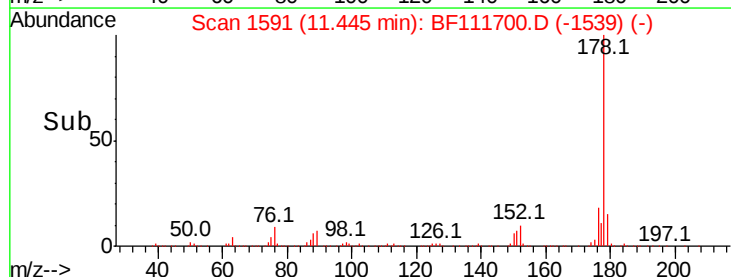
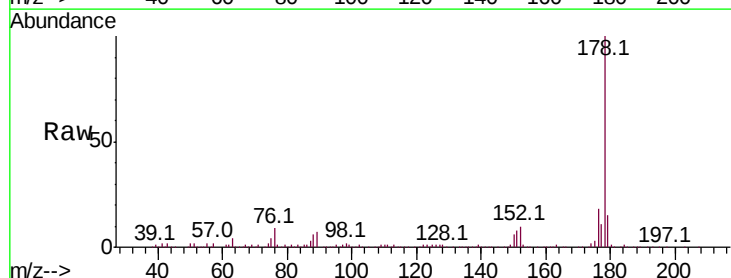
RT: 11.45 min Scan# 1591

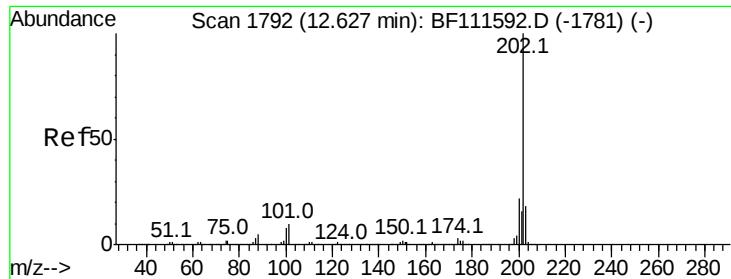
Delta R.T. 0.01 min

Lab File: BF111700.D

Acq: 21 Dec 2018 21:09

Tgt Ion:	178	Resp:	225566
Ion Ratio	Lower	Upper	
178	100		
176	18.4	18.1	27.1
179	15.4	14.0	21.0





#75

Fluoranthene

Concen: 16.061 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111700.D

Acq: 21 Dec 2018 21:09

Instrument :

BNA_F

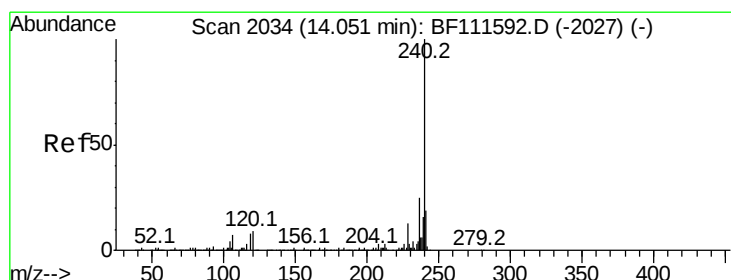
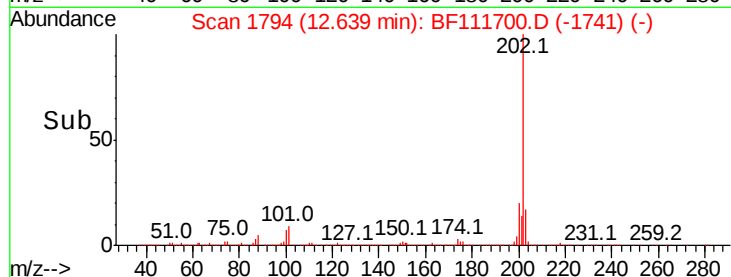
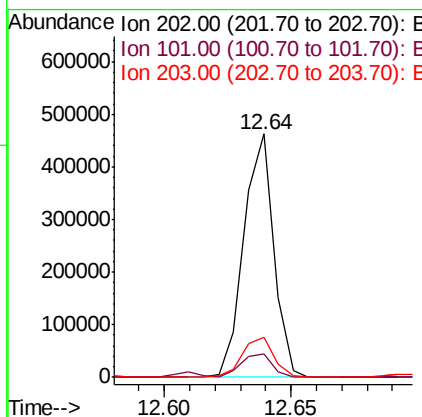
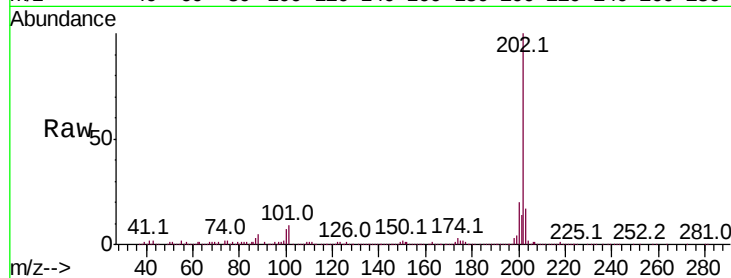
ClientSampleId :

NB-07-122018-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.4	0.0	33.8
203	16.6	0.0	38.6

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#76

Chrysene-d12

Concen: 20.000 ng

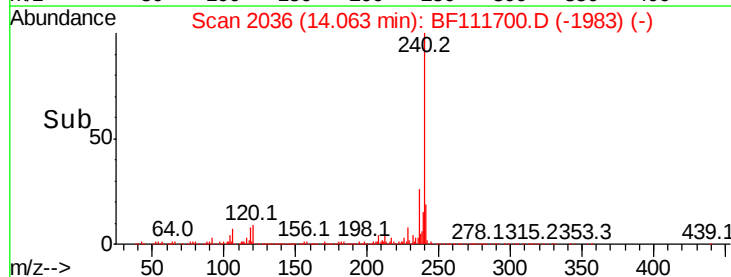
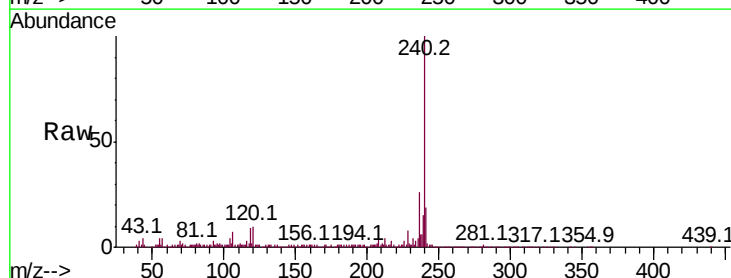
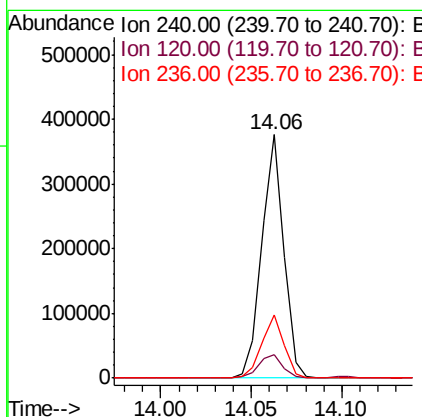
RT: 14.06 min Scan# 2036

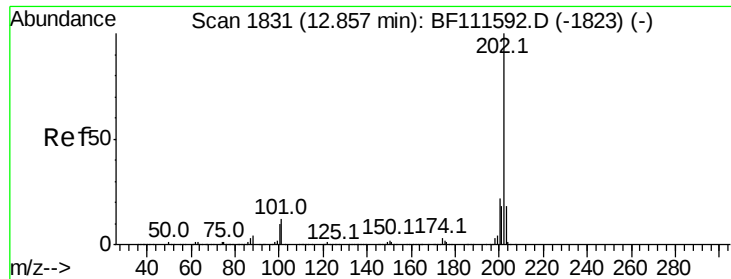
Delta R.T. 0.01 min

Lab File: BF111700.D

Acq: 21 Dec 2018 21:09

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.6	12.2	18.2#
236	26.0	20.2	30.2





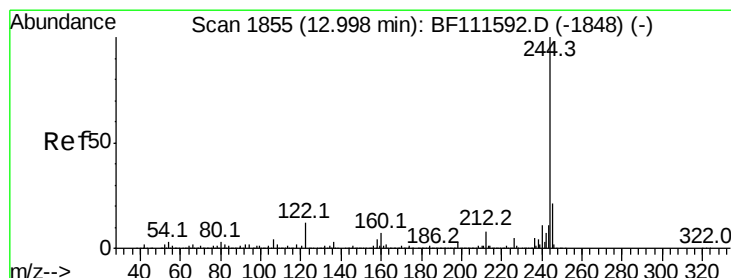
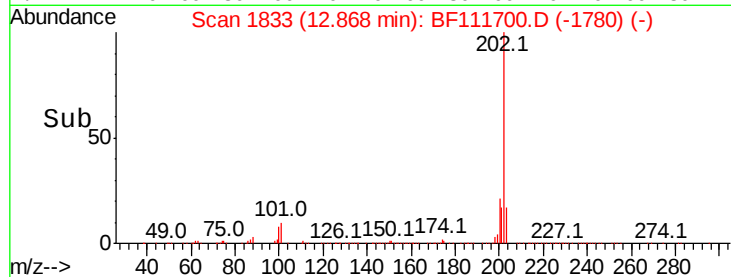
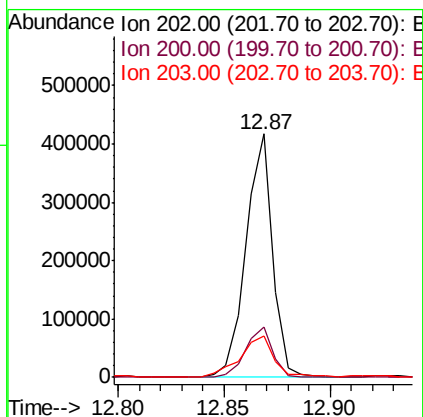
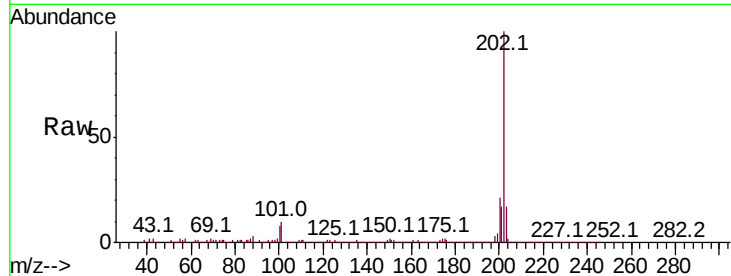
#78
Pvrene
Concen: 16.262 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

Instrument :
BNA_F
ClientSampleId :
NB-07-122018-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	19.0	28.4
203	17.2	15.2	22.8

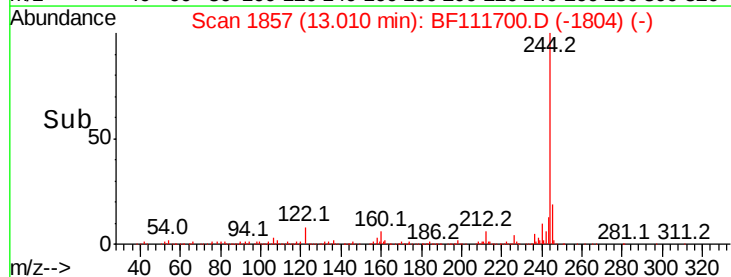
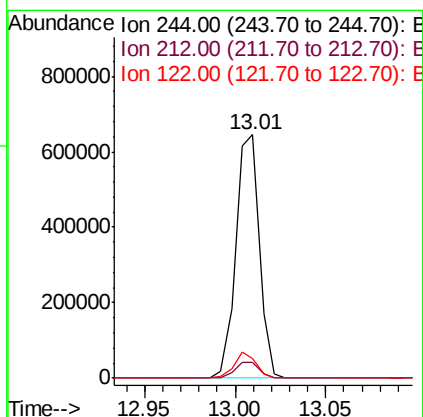
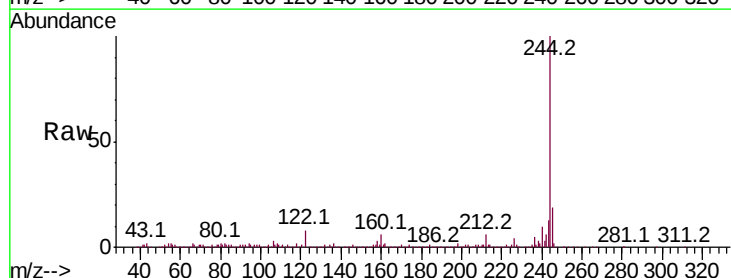
Manual Integrations
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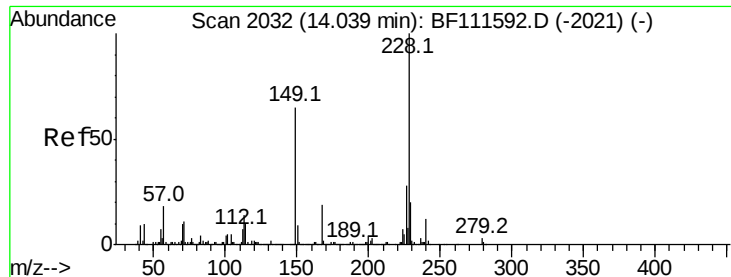
Sohil
12/26/2018 3:10:53 PM



#79
Terphenyl-d14
Concen: 35.059 ng
RT: 13.01 min Scan# 1857
Delta R.T. 0.01 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	5.7	8.5
122	8.3	13.1	19.7#





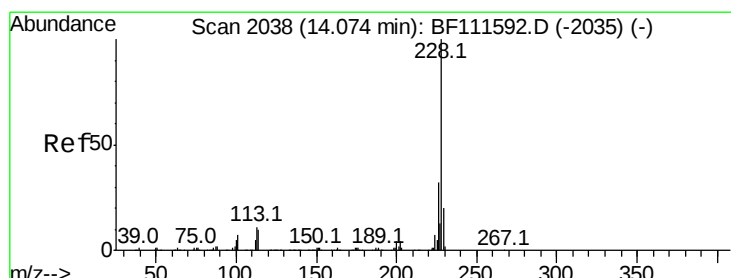
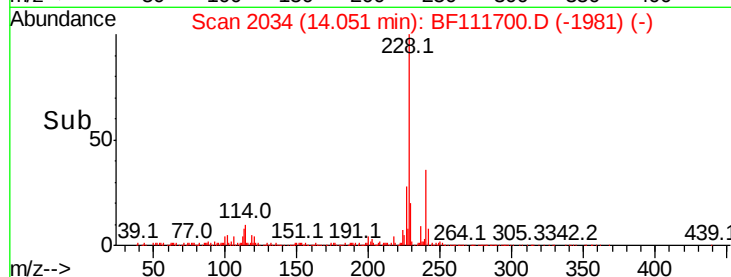
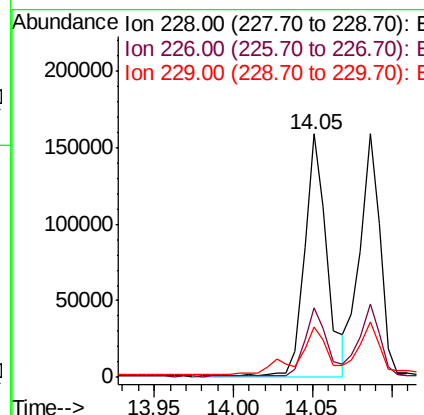
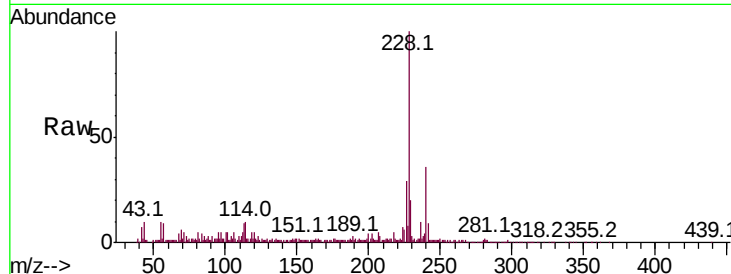
#81
Benzo(a)anthracene
Concen: 8.571 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

Instrument :
BNA_F
ClientSampleId :
NB-07-122018-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	34.0
229	20.5	16.3	24.5

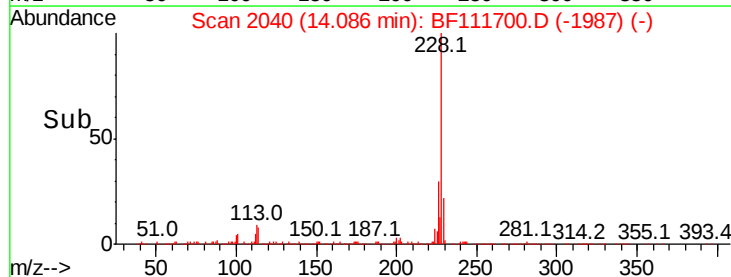
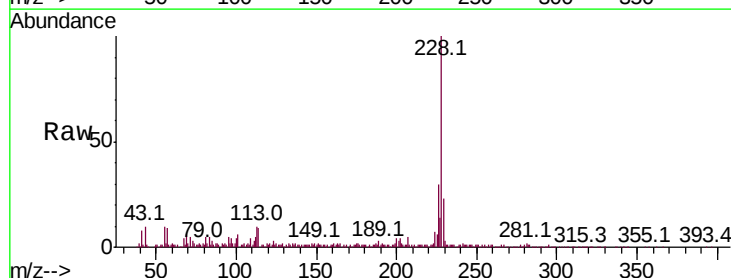
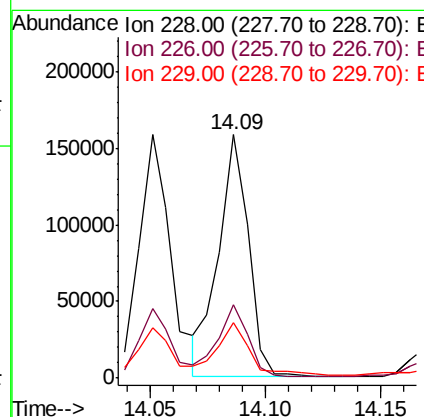
Manual Integrations
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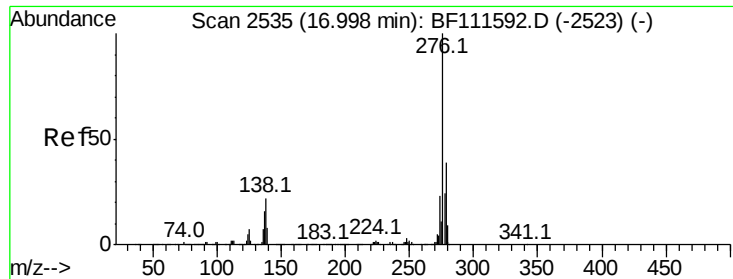
Sohil
12/26/2018 3:10:53 PM



#83
Chrysene
Concen: 8.042 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.3	37.9
229	22.9	17.2	25.8





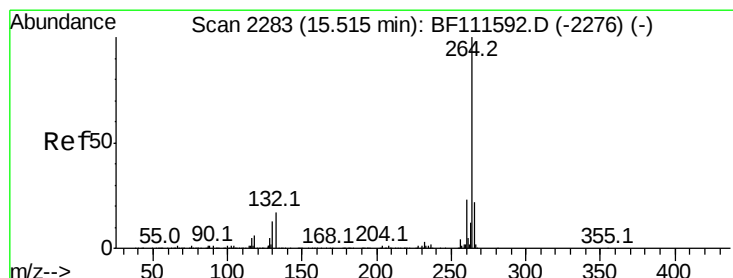
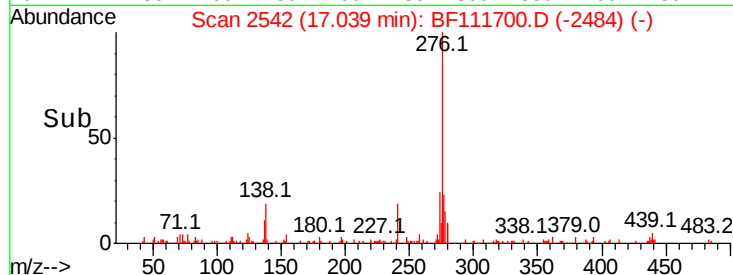
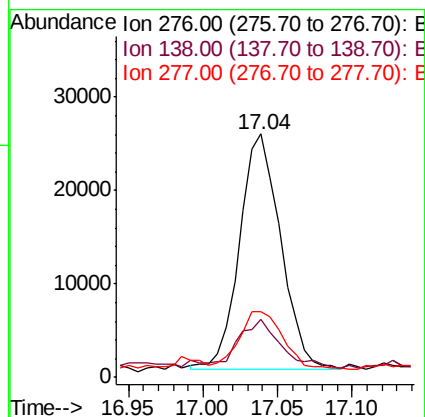
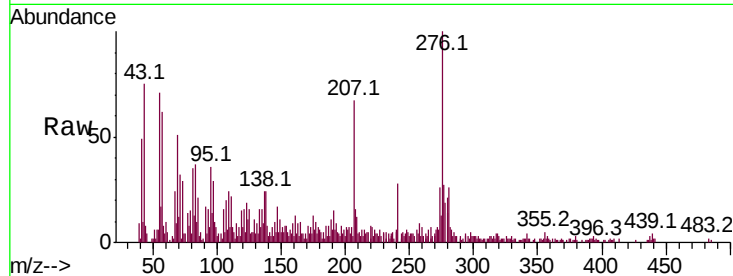
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.187 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.04 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

Instrument :
BNA_F
ClientSampleId :
NB-07-122018-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	27.8	41.6#
277	27.3	20.1	30.1

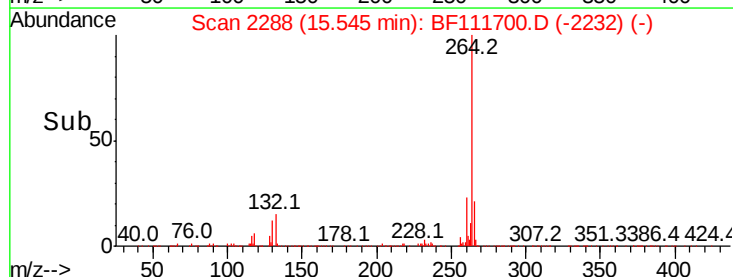
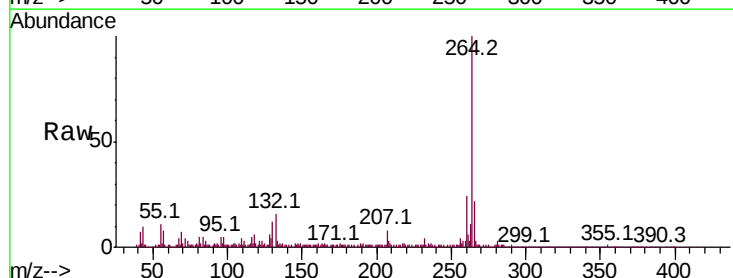
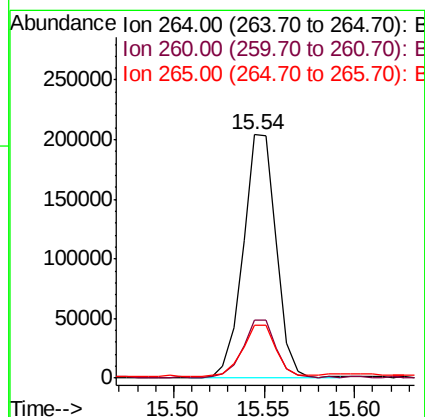
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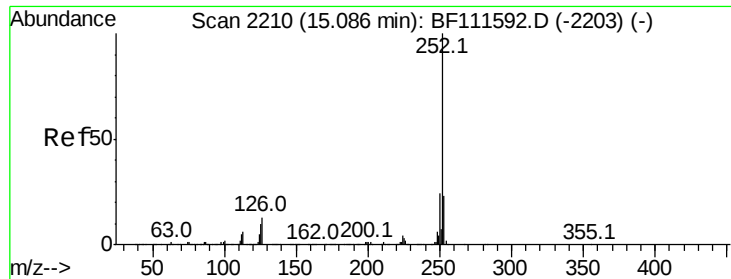
Sohil
12/26/2018 3:10:53 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.03 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.3	27.5
265	21.7	17.7	26.5





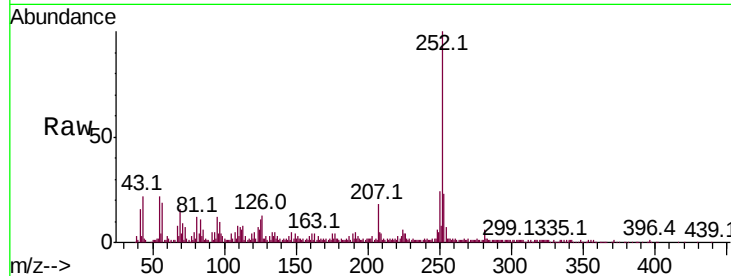
#88
Benzo(b)fluoranthene
Concen: 9.745 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

Instrument :
BNA_F
ClientSampleId :
NB-07-122018-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	11.2	10.4	15.6

Manual Integrations
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12/26/2018 3:10:53 PM

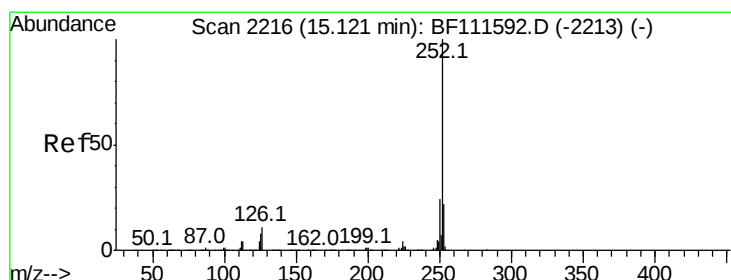
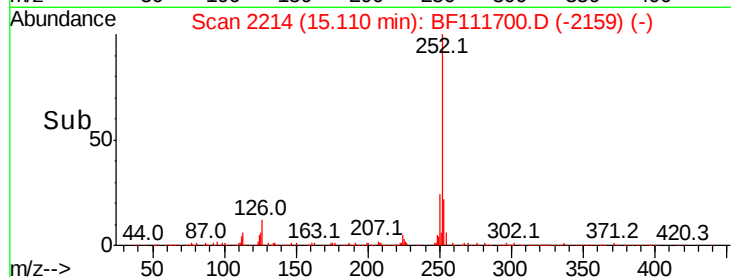
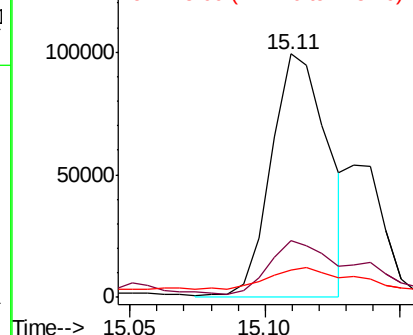


Abundance

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: 3.741 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

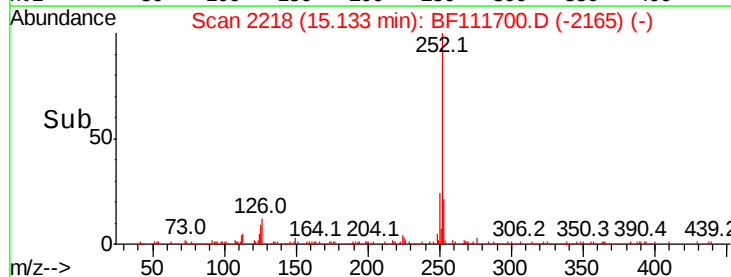
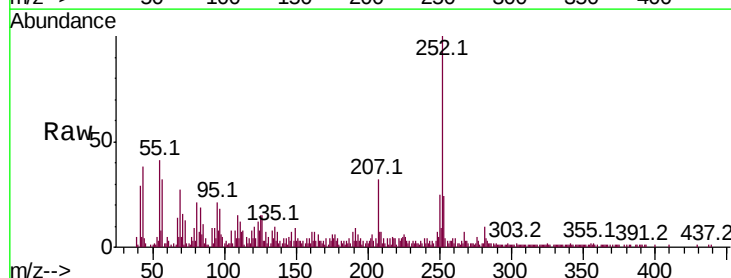
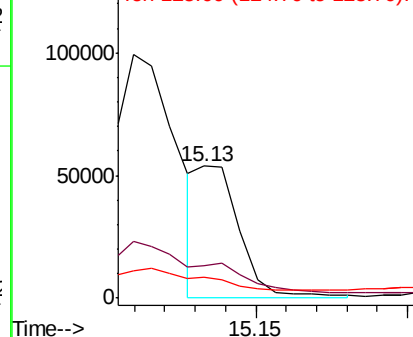
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	15.4	9.8	14.8

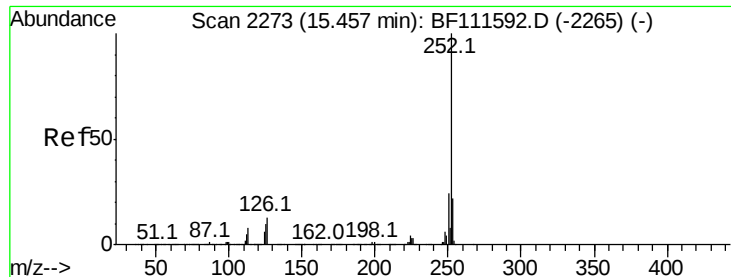
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





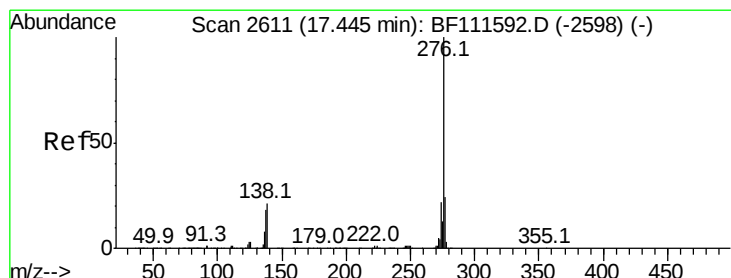
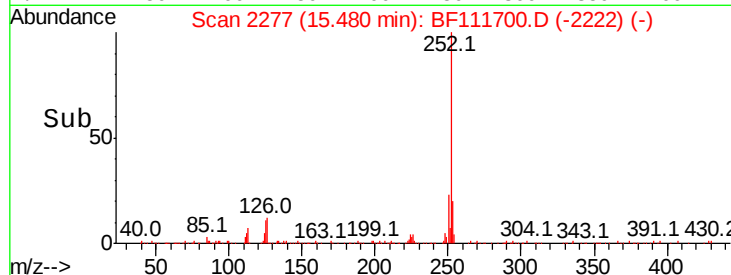
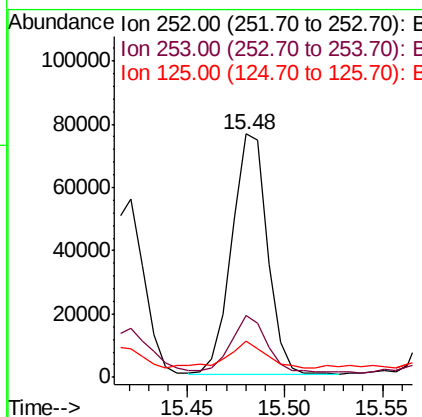
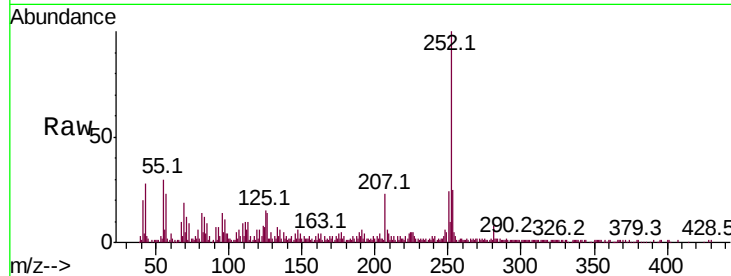
#90
Benzo(a)pyrene
Concen: 7.100 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

Instrument :
BNA_F
ClientSampleId :
NB-07-122018-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.8
125	14.8	12.3	18.5

Manual Integrations
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Sohil
12/26/2018 3:10:53 PM



#92
Benzo(g,h,i)perylene
Concen: 3.827 ng
RT: 17.49 min Scan# 2619
Delta R.T. 0.05 min
Lab File: BF111700.D
Acq: 21 Dec 2018 21:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.2	28.8
138	21.1	24.9	37.3

