

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
 Data File : BF111391.D
 Acq On : 14 Dec 2018 1:05
 Operator : JU/SJ
 Sample : J6208-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Manual Integrations
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Quant Time: Dec 14 04:08:31 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	302854	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1228636	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	509574	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	751916	20.00	ng	0.00
76) Chrysene-d12	13.95	240	521473	20.00	ng	0.00
87) Perylene-d12	15.39	264	412350	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1413692	78.94	ng	0.02
7) Phenol-d6	6.45	99	1792212	74.22	ng	0.01
23) Nitrobenzene-d5	7.36	82	1271003	58.31	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	321817	71.64	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1782725	56.17	ng	0.00
79) Terphenyl-d14	12.90	244	1207152	50.95	ng	0.00
Target Compounds						
10) Phenol	6.45	94	113416	4.146	ng	95
50) Dimethylphthalate	9.55	163	151971	4.147	ng	97
71) Phenanthrene	11.33	178	229398	5.902	ng	94
75) Fluoranthene	12.52	202	381730	10.061	ng	98
78) Pyrene	12.75	202	355719	8.839	ng	94
81) Benzo(a)anthracene	13.94	228	159551	5.468	ng	97
83) Chrysene	13.97	228	159444	5.356	ng	95
86) Indeno(1,2,3-cd)pyrene	16.79	276	51682	2.220	ng	# 91
88) Benzo(b)fluoranthene	14.97	252	143977m	6.140	ng	
89) Benzo(k)fluoranthene	15.00	252	59002m	2.521	ng	
90) Benzo(a)pyrene	15.32	252	107422	4.920	ng	98
92) Benzo(a,h,i)perylene	17.22	276	49178	2.708	ng	98

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

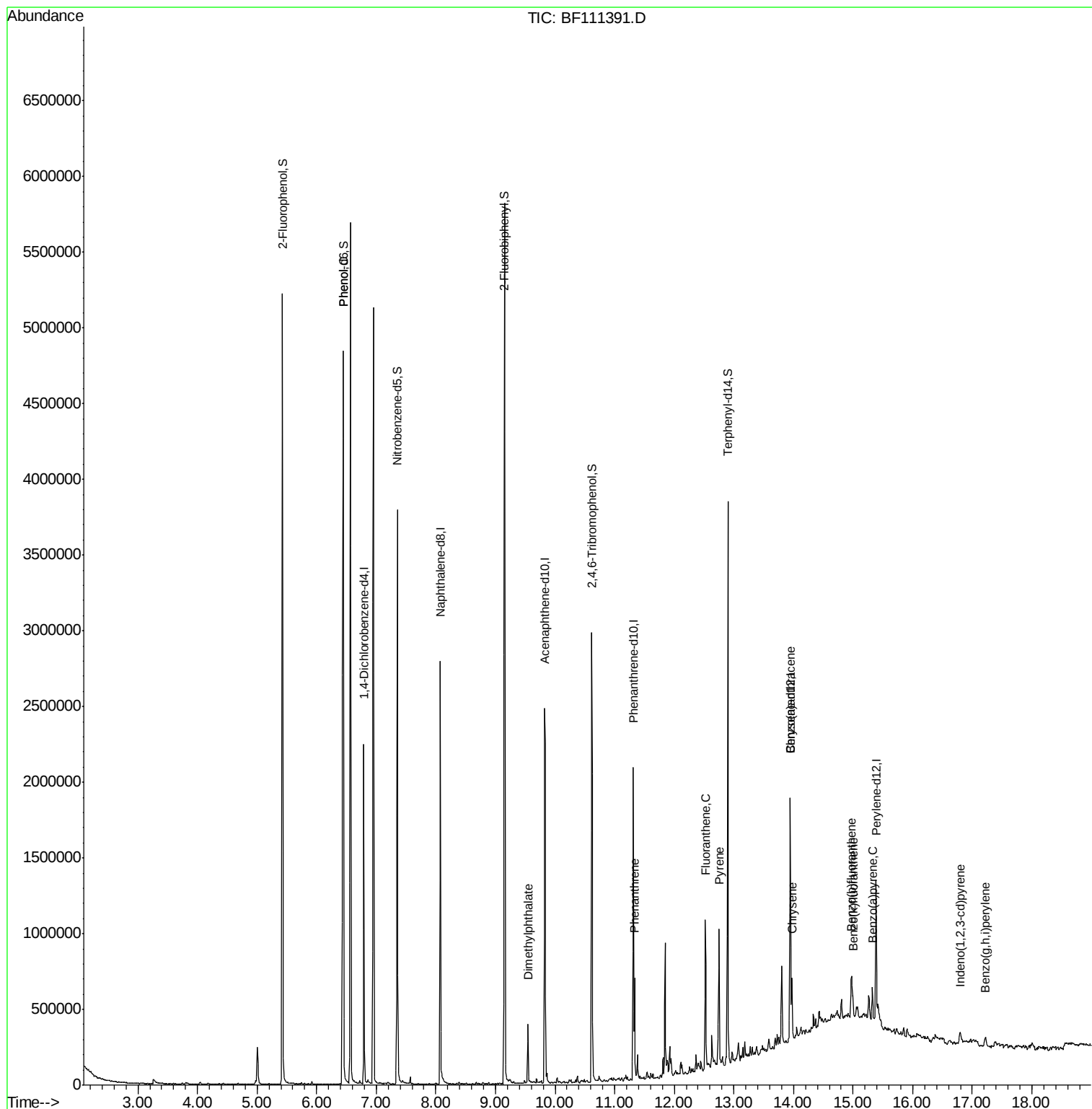
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\
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ALS Vial : 21 Sample Multiplier: 1

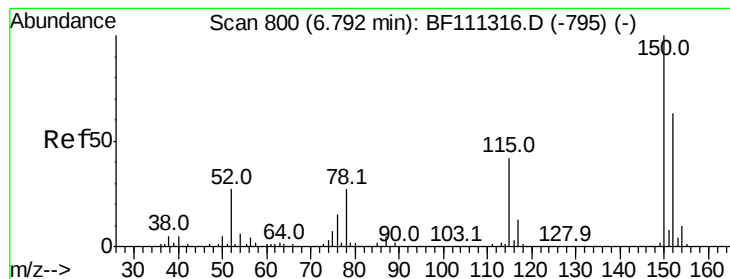
Instrument :
BNA_F
ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF111391.D

Acq: 14 Dec 2018 1:05

Instrument :

BNA_F

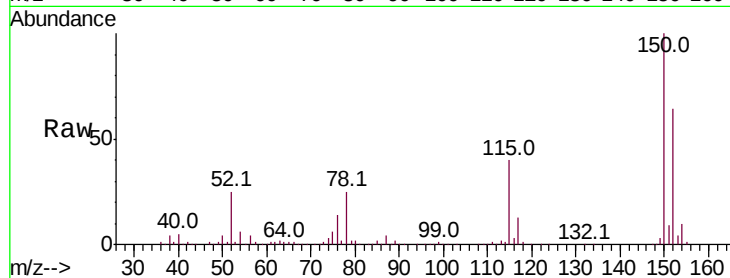
ClientSampled :

TP-3

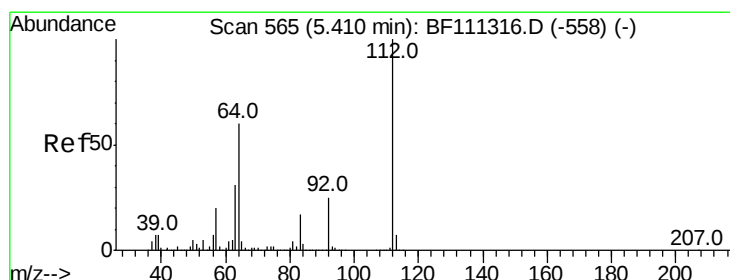
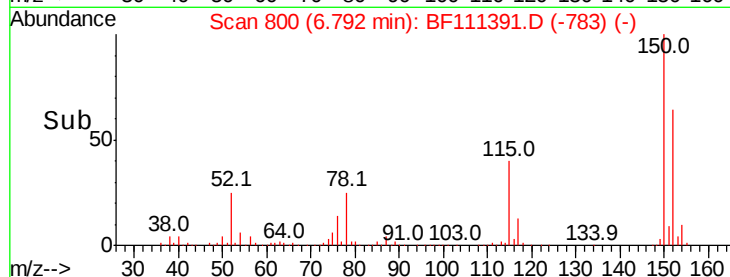
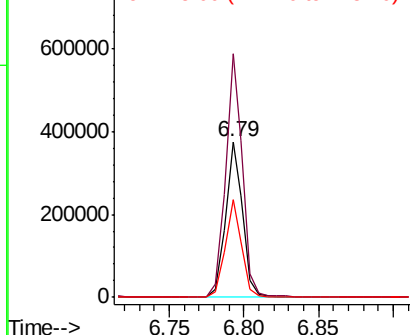
Tot Ion:	152	Resp:	302854
Ion Ratio	Lower	Upper	
152	100		
150	156.8	126.6	189.8
115	62.8	50.7	76.1

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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: 78.936 ng

RT: 5.43 min Scan# 568

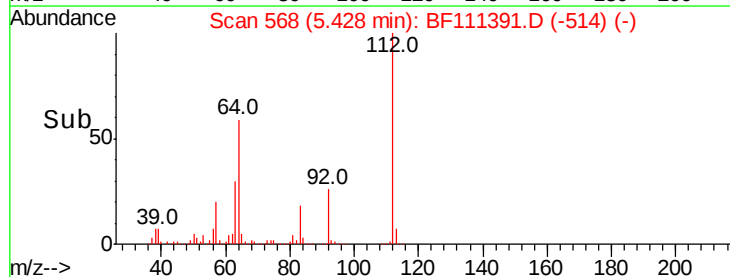
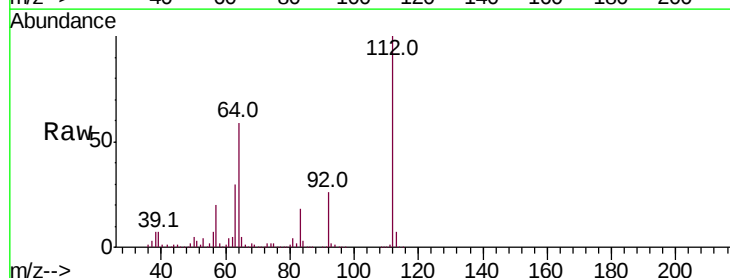
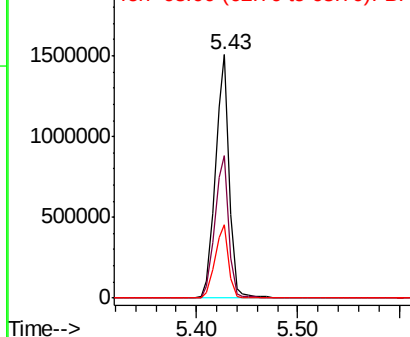
Delta R.T. 0.02 min

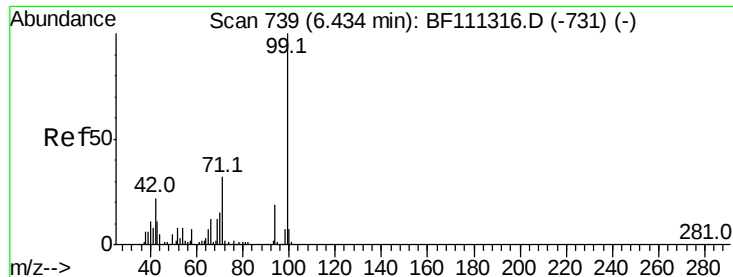
Lab File: BF111391.D

Acq: 14 Dec 2018 1:05

Tgt Ion:	112	Resp:	1413692
Ion Ratio	Lower	Upper	
112	100		
64	58.6	51.8	77.6
63	30.4	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: 74.222 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF111391.D

Acq: 14 Dec 2018 1:05

Instrument :

BNA_F

ClientSampled :

TP-3

Tot Ion: 99 Resp: 1792212

Ion Ratio Lower Upper

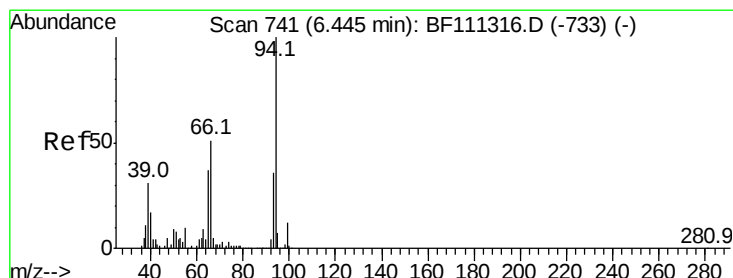
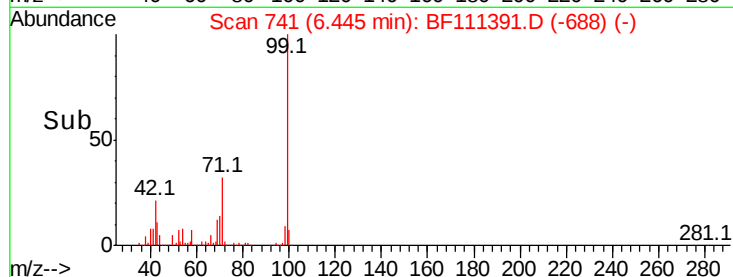
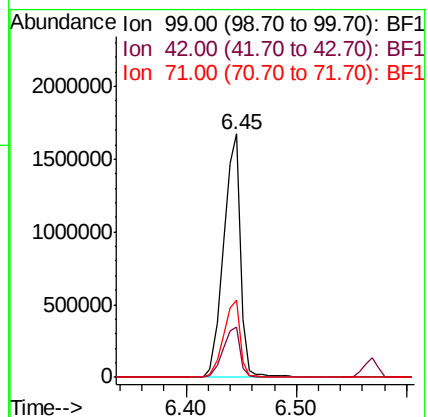
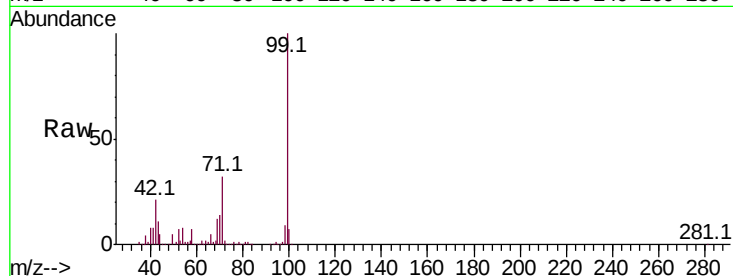
99 100

42 20.5 17.4 26.0

71 31.5 26.1 39.1

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#10

Phenol

Concen: 4.146 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF111391.D

Acq: 14 Dec 2018 1:05

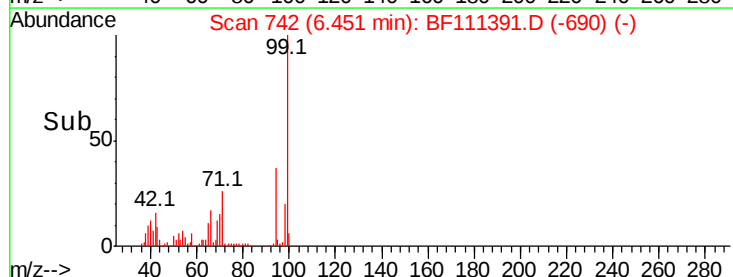
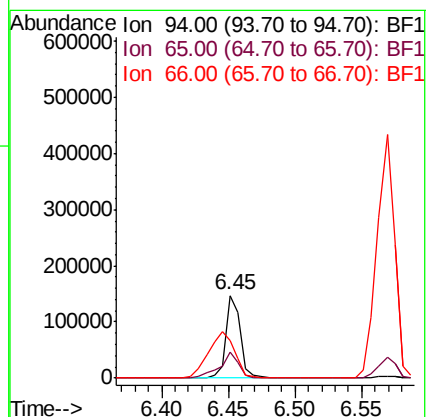
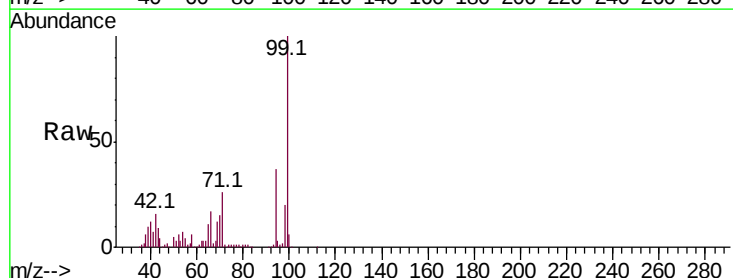
Tgt Ion: 94 Resp: 113416

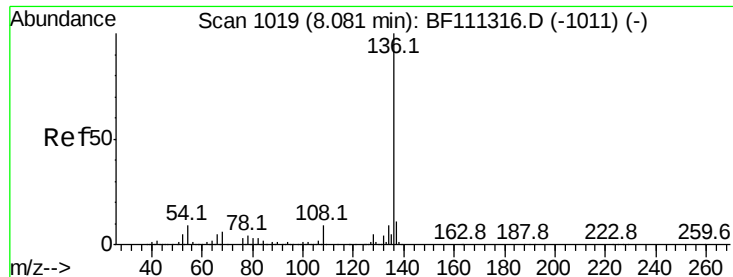
Ion Ratio Lower Upper

94 100

65 31.3 11.7 51.7

66 45.7 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: BF111391.D

Acq: 14 Dec 2018 1:05

Instrument :

BNA_F

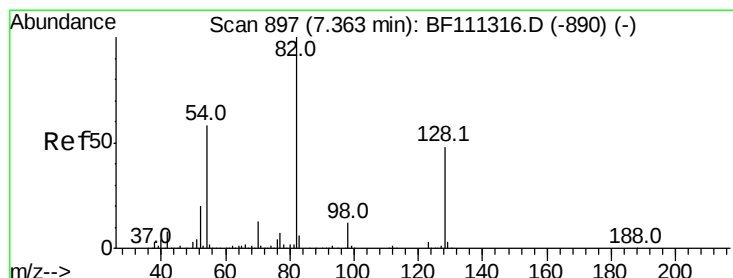
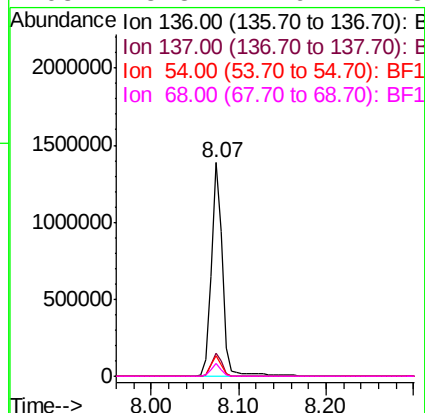
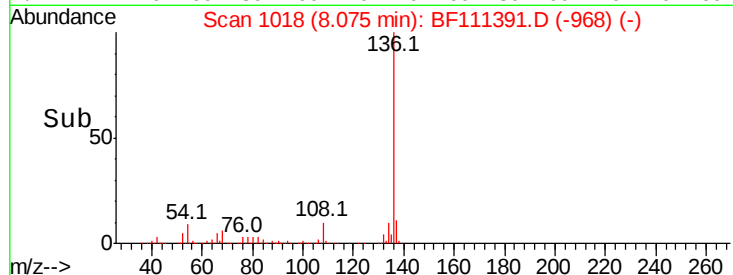
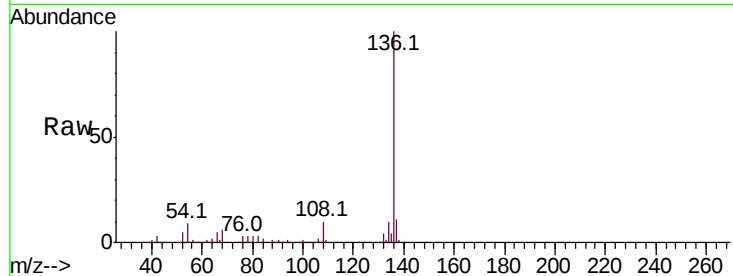
ClientSampleId :

TP-3

Tot Ion:	136	Resp:	1228636
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	9.4	7.7	11.5
68	5.8	4.9	7.3

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#23

Nitrobenzene-d5

Concen: 58.307 ng

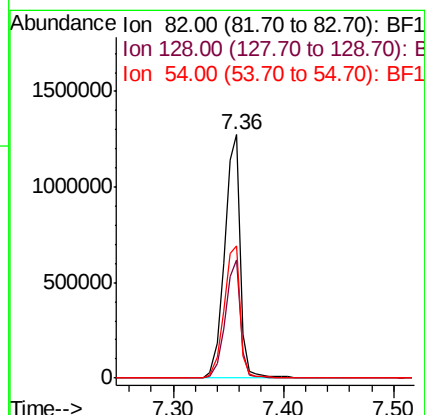
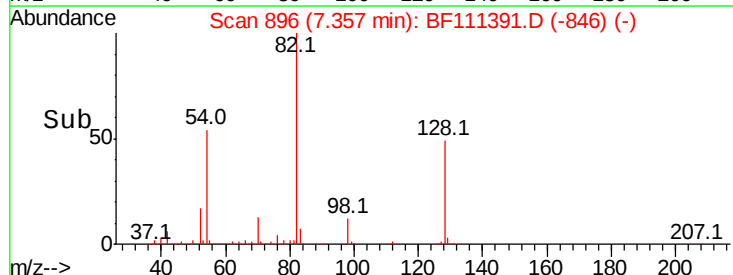
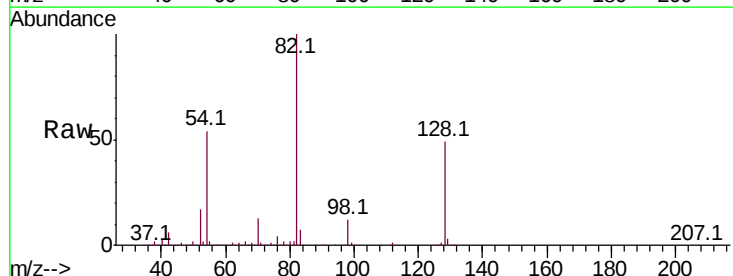
RT: 7.36 min Scan# 896

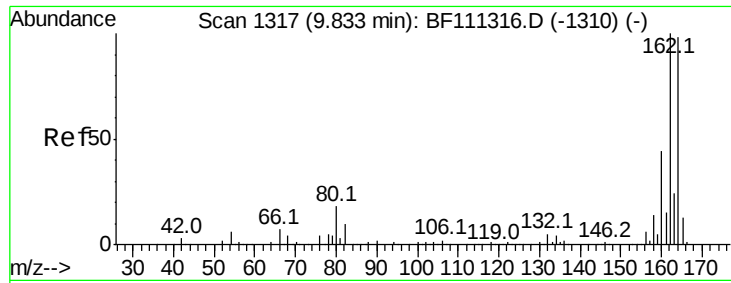
Delta R.T. -0.01 min

Lab File: BF111391.D

Acq: 14 Dec 2018 1:05

Tgt Ion:	82	Resp:	1271003
Ion Ratio	Lower	Upper	
82	100		
128	48.5	37.4	56.2
54	54.5	47.6	71.4





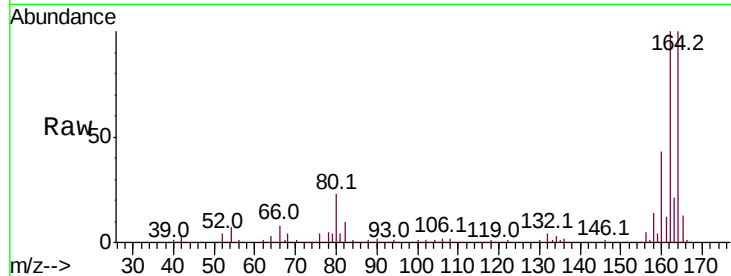
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Instrument :
BNA_F
ClientSampleId :
TP-3

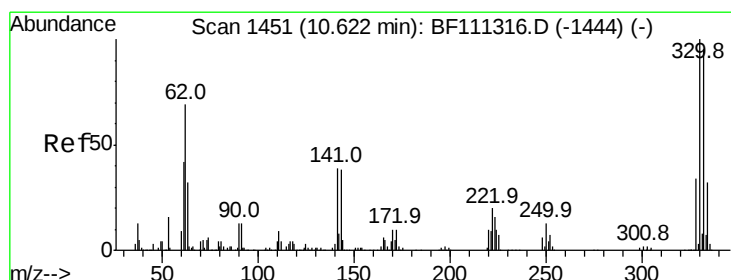
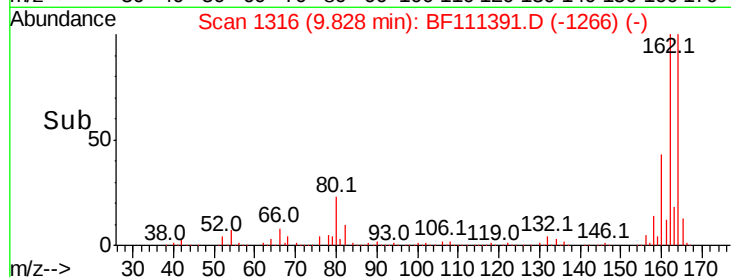
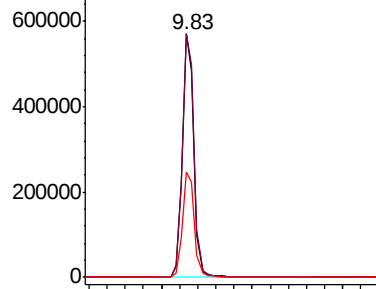
Tot Ion	Ratio	Resp	Lower	Upper
164	100	509574		
162	99.9	81.4	122.0	
160	43.3	35.7	53.5	

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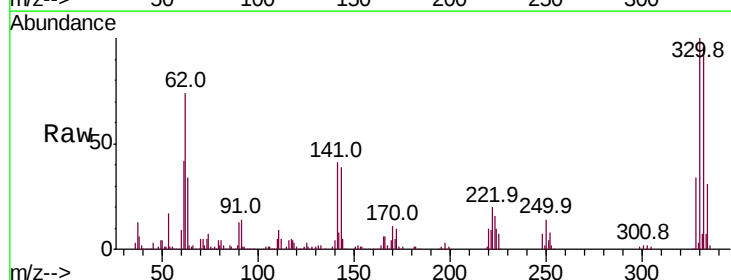


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

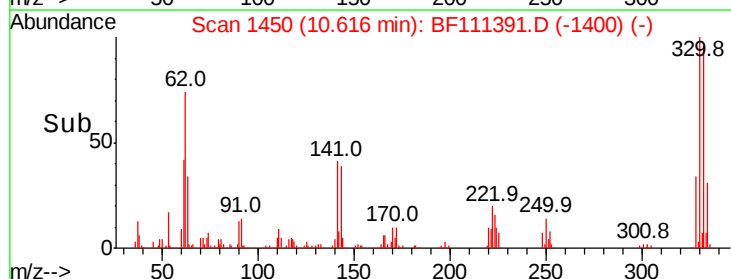
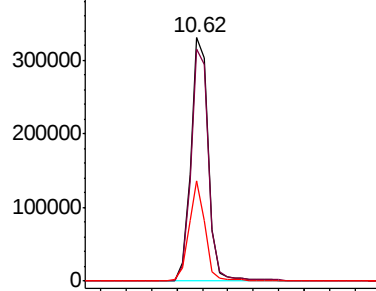


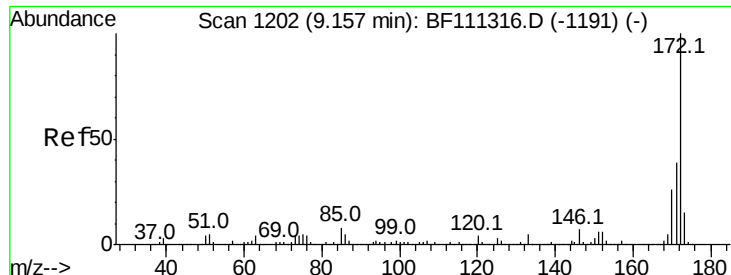
#42
2,4,6-Tribromophenol
Concen: 71.643 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	321817		
332	96.6	76.0	114.0	
141	38.4	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





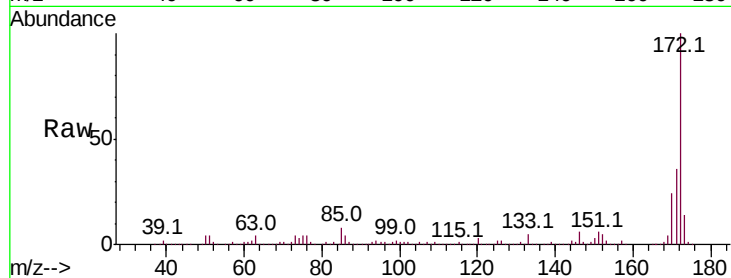
#45
2-Fluorobiphenyl
Concen: 56.167 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Instrument :
BNA_F
ClientSampled :
TP-3

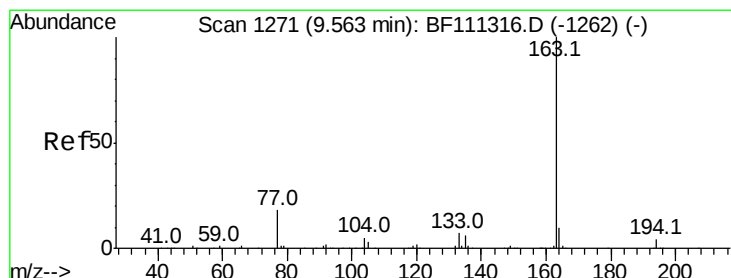
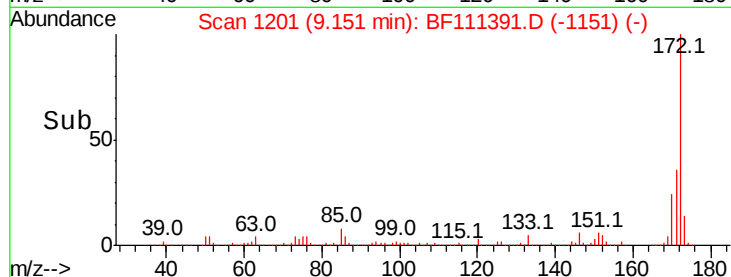
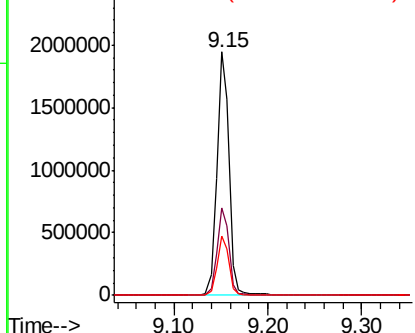
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	33.0	49.4
170	24.3	22.3	33.5

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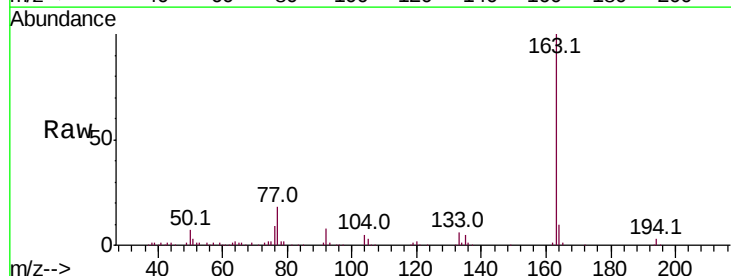


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

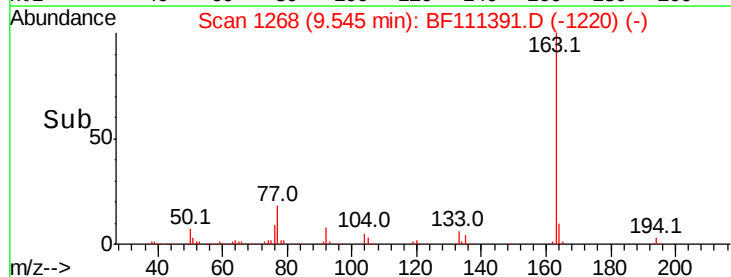
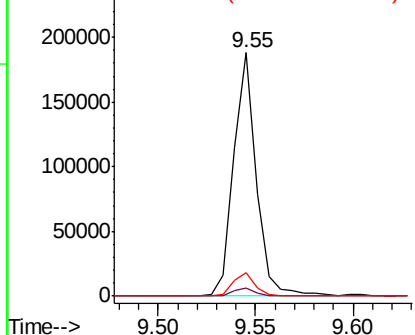


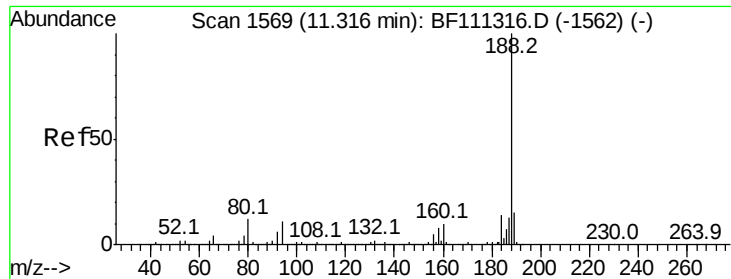
#50
Dimethylphthalate
Concen: 4.147 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.6
164	9.6	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: BF111391.D

Acq: 14 Dec 2018 1:05

Instrument :

BNA_F

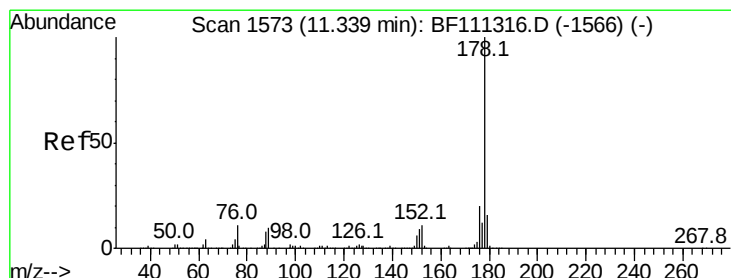
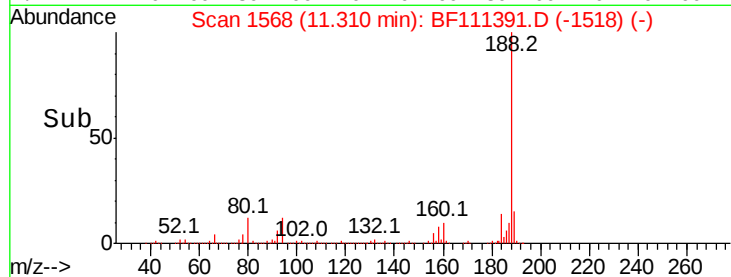
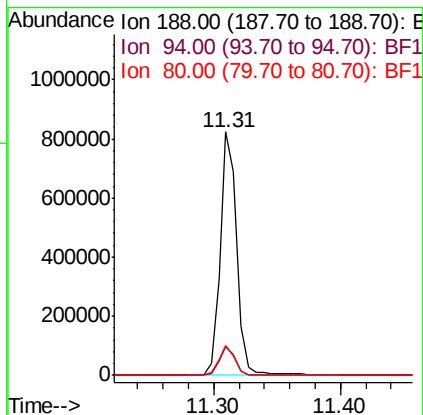
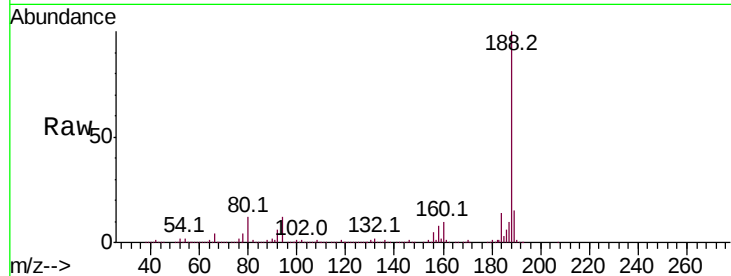
ClientSampled :

TP-3

Tot Ion:	188	Resp:	751916
Ion Ratio	Lower	Upper	
188	100		
94	11.8	9.6	14.4
80	12.5	9.8	14.6

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#71

Phenanthrene

Concen: 5.902 ng

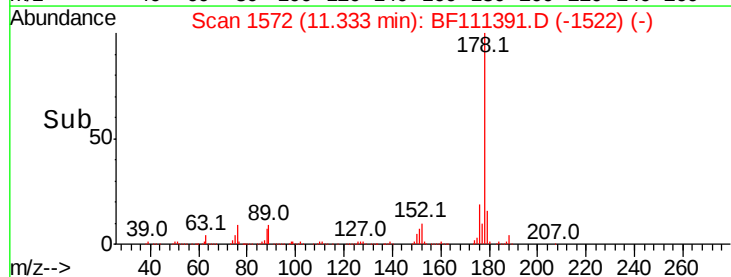
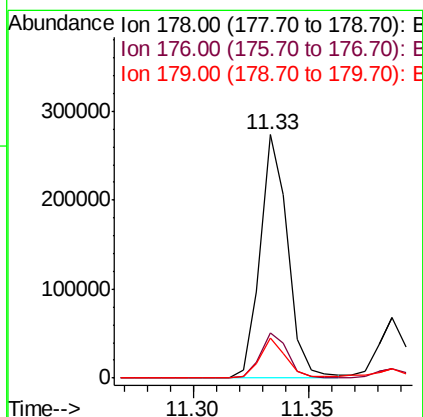
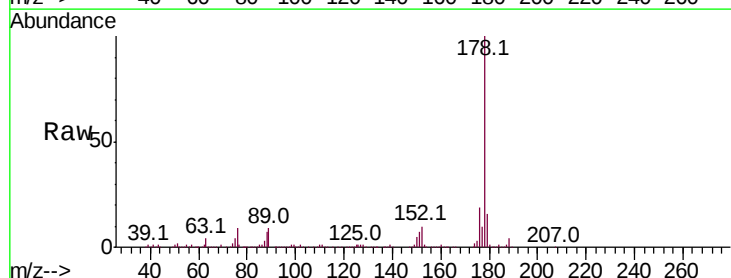
RT: 11.33 min Scan# 1572

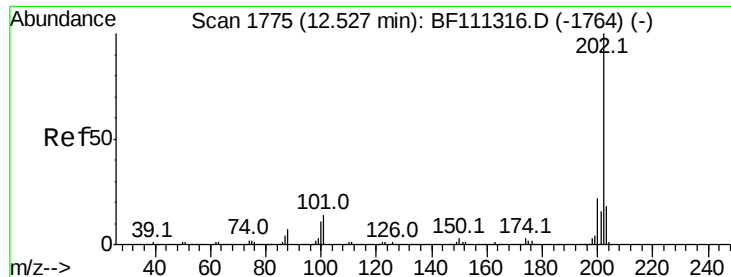
Delta R.T. -0.01 min

Lab File: BF111391.D

Acq: 14 Dec 2018 1:05

Tgt Ion:	178	Resp:	229398
Ion Ratio	Lower	Upper	
178	100		
176	18.6	18.1	27.1
179	16.3	14.0	21.0





#75

Fluoranthene

Concen: 10.061 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111391.D

Acq: 14 Dec 2018 1:05

Instrument :

BNA_F

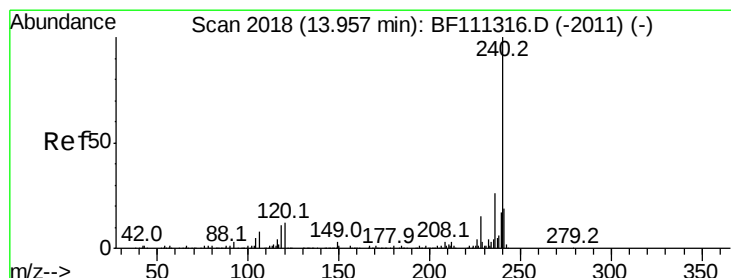
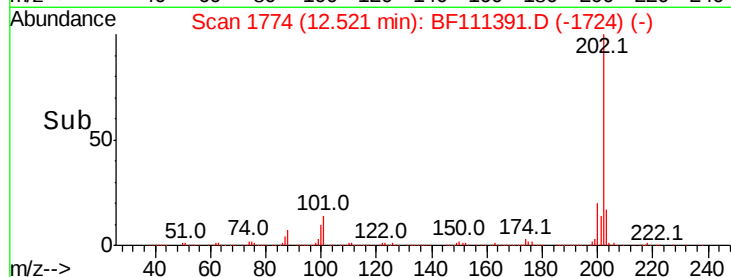
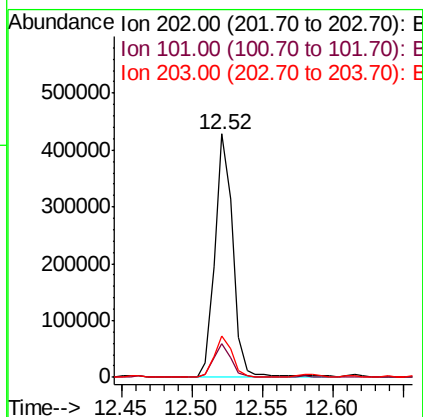
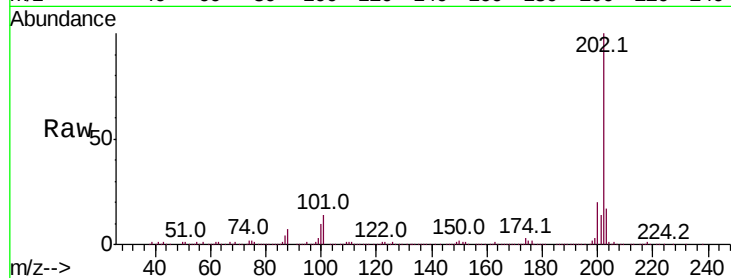
ClientSampled :

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Tot Ion:	202	Resp:	381730
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	33.8
203	17.2	0.0	38.6

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#76

Chrysene-d12

Concen: 20.000 ng

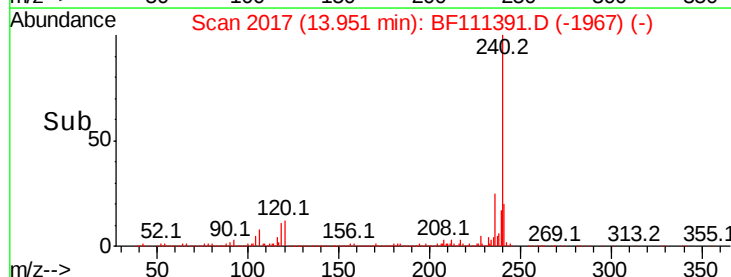
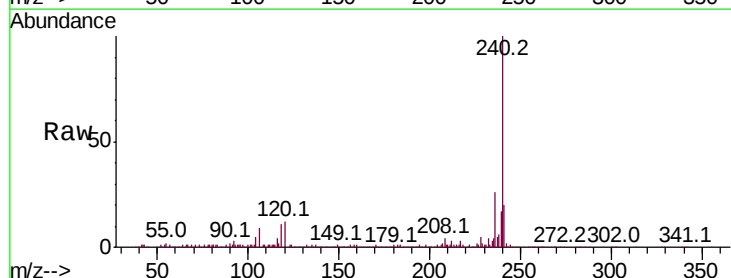
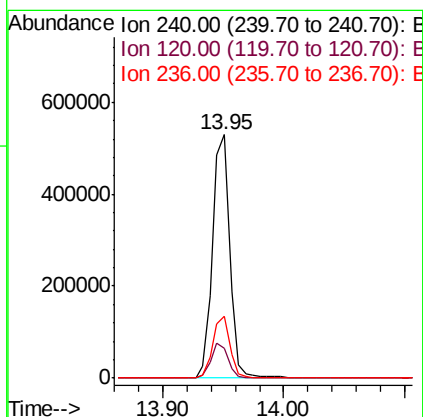
RT: 13.95 min Scan# 2017

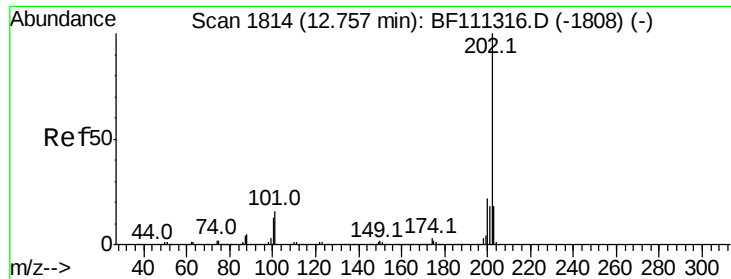
Delta R.T. -0.01 min

Lab File: BF111391.D

Acq: 14 Dec 2018 1:05

Tgt Ion:	240	Resp:	521473
Ion Ratio	Lower	Upper	
240	100		
120	12.5	12.2	18.2
236	25.5	20.2	30.2





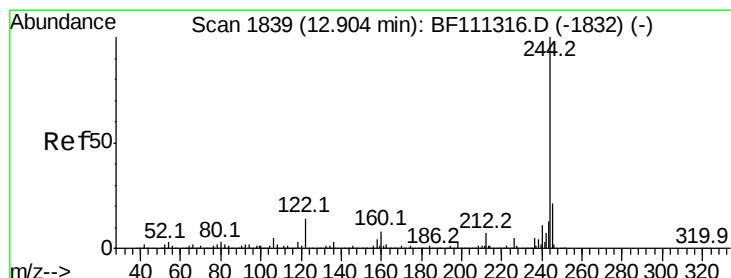
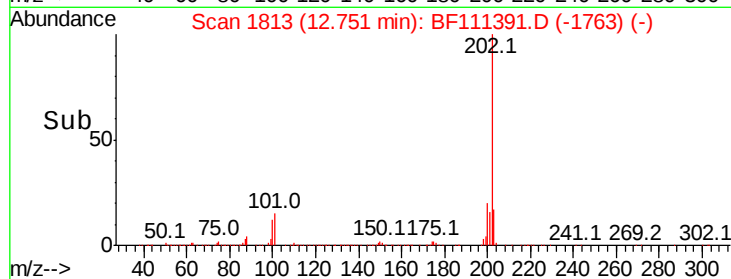
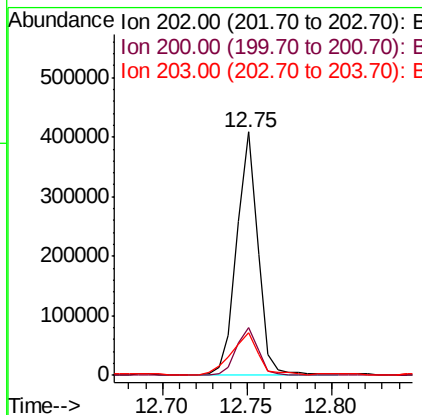
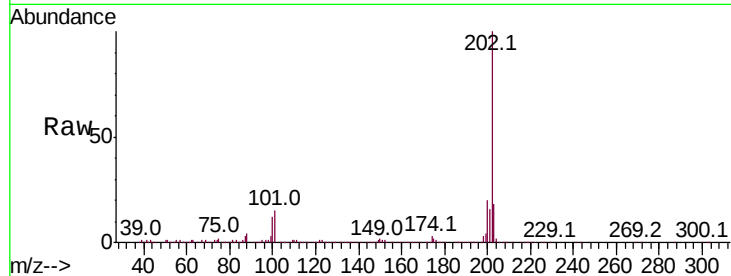
#78
Pvrene
Concen: 8.839 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	19.0	28.4
203	17.6	15.2	22.8

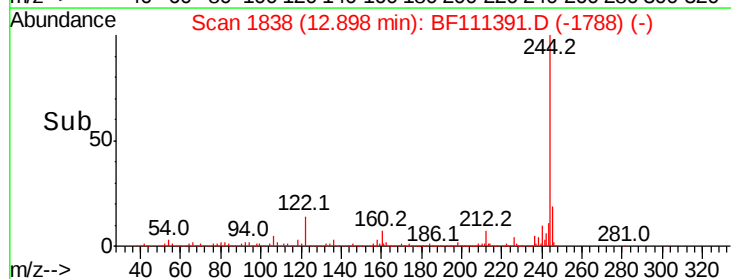
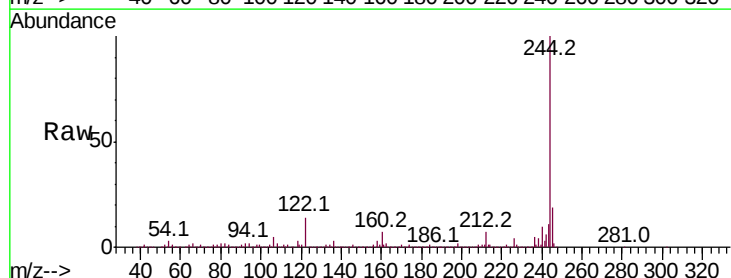
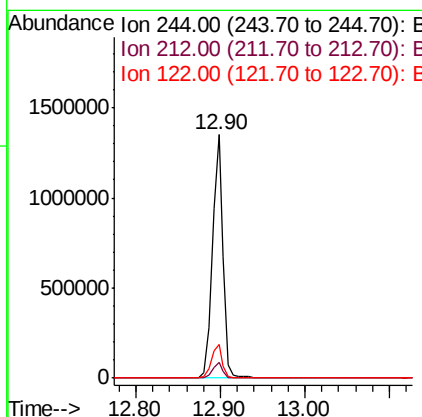
Manual Integrations
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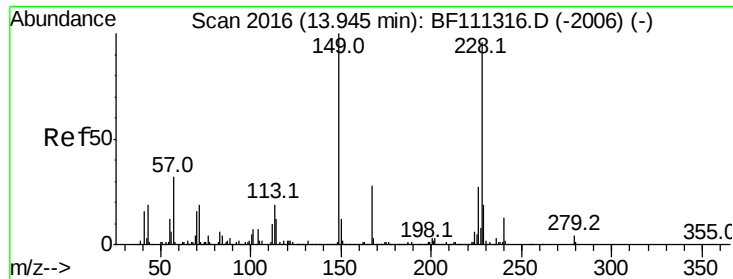
Sohil
12/14/2018 5:11:29 PM



#79
Terphenyl-d14
Concen: 50.949 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	14.0	13.1	19.7





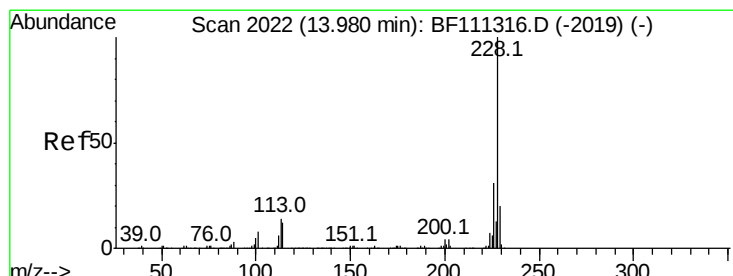
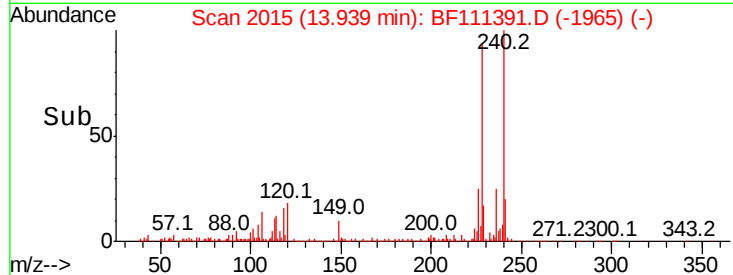
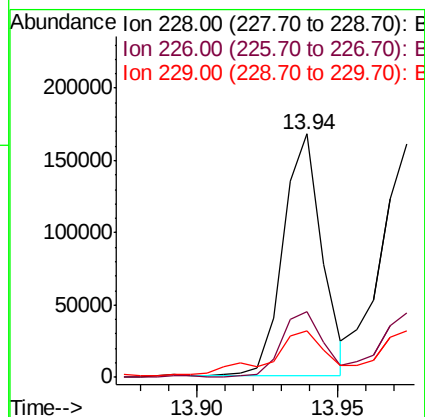
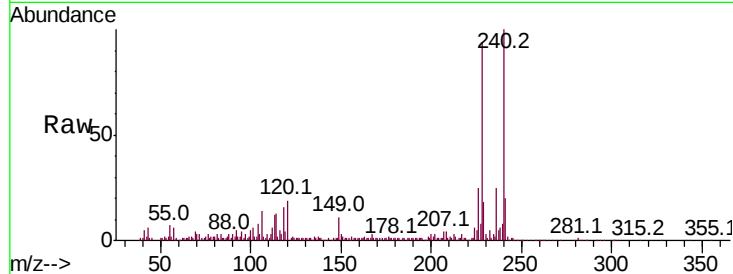
#81
Benzo(a)anthracene
Concen: 5.468 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.6	34.0
229	19.3	16.3	24.5

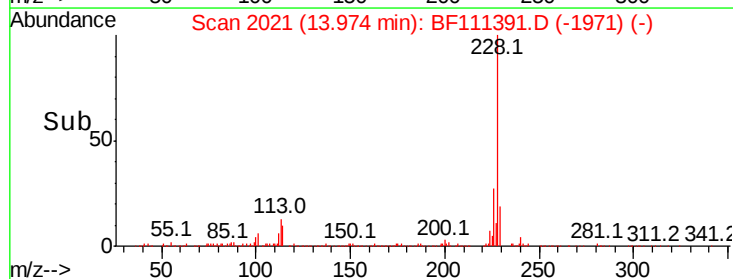
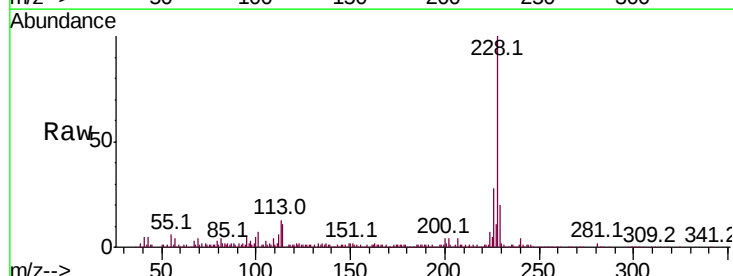
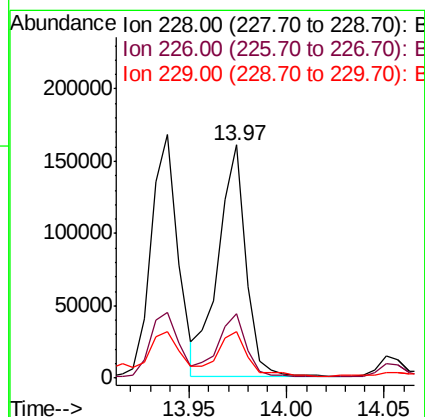
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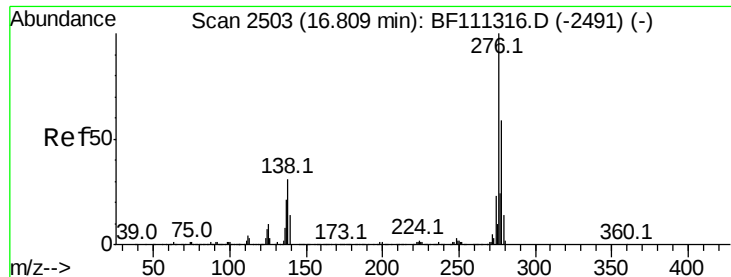
Sohil
12/14/2018 5:11:29 PM



#83
Chrysene
Concen: 5.356 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	25.3	37.9
229	20.1	17.2	25.8





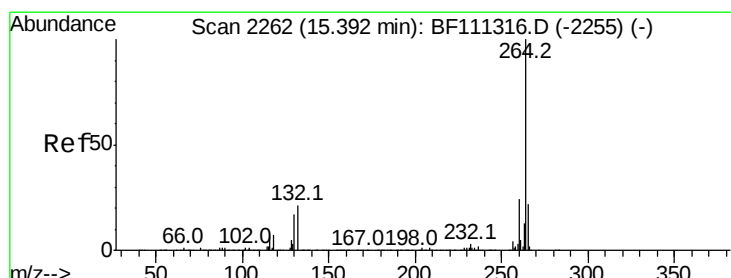
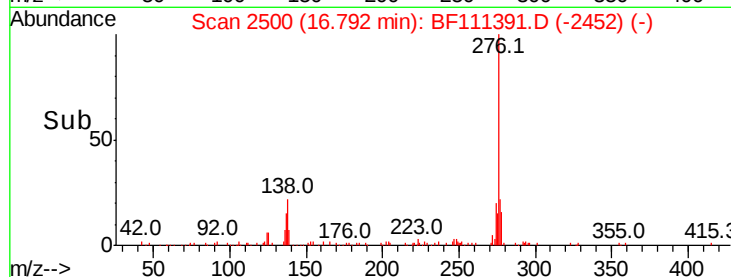
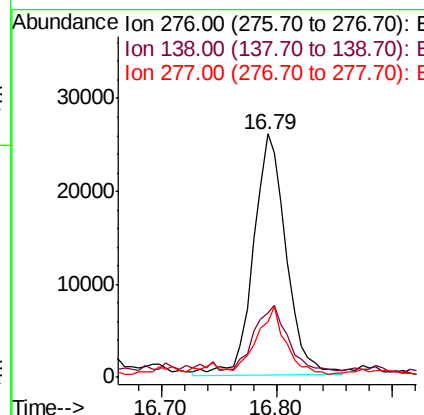
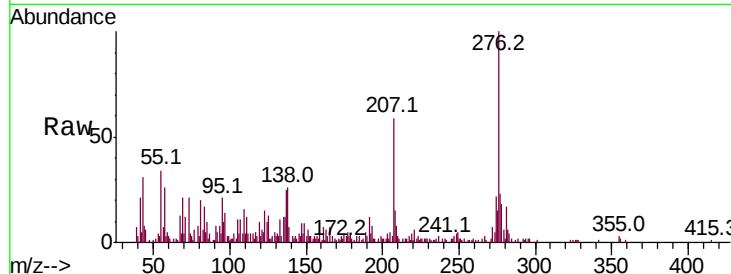
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.220 ng
RT: 16.79 min Scan# 2500
Delta R.T. -0.02 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.9	27.8	41.6#
277	24.0	20.1	30.1

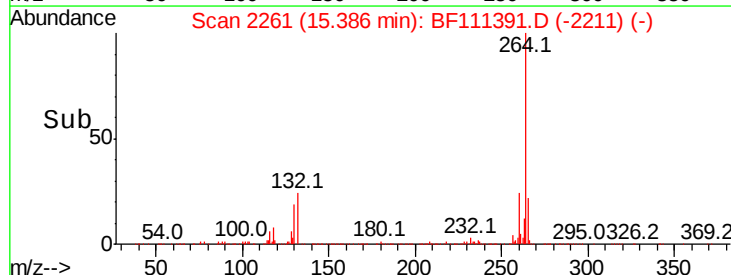
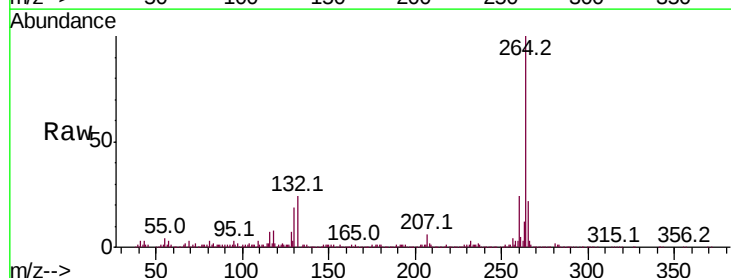
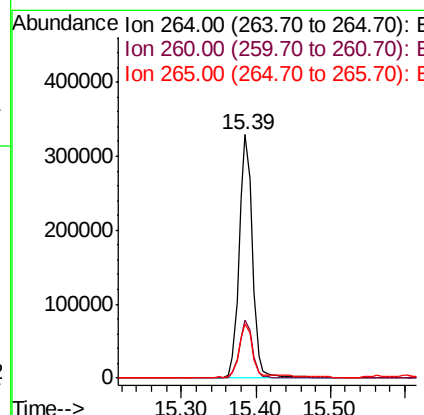
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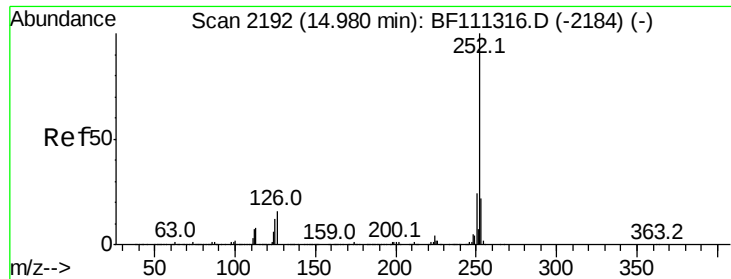
Sohil
12/14/2018 5:11:29 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.3	27.5
265	22.1	17.7	26.5





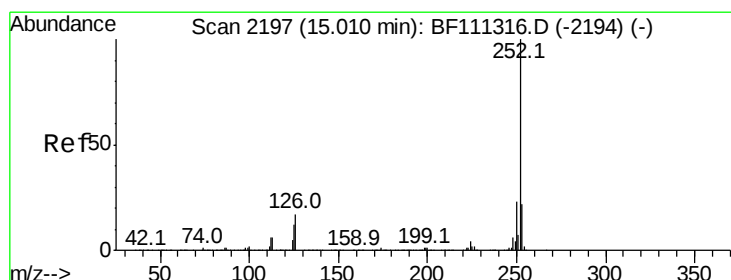
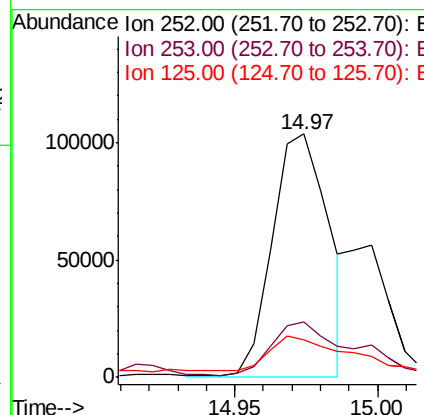
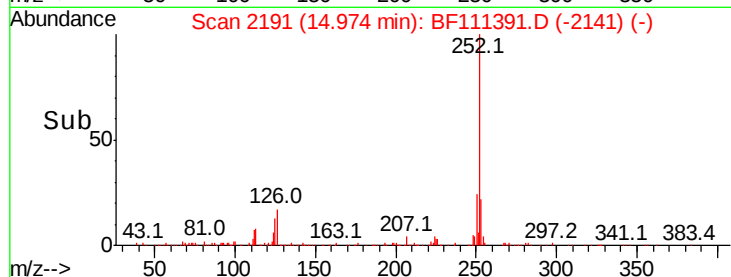
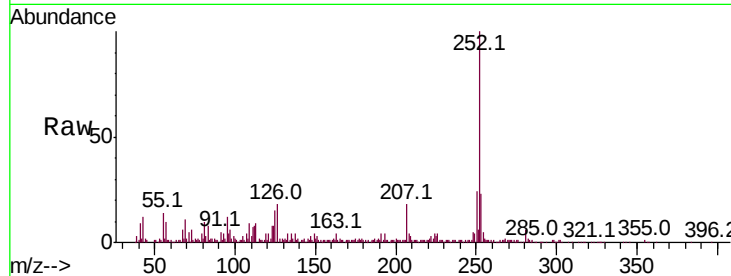
#88
Benzo(b)fluoranthene
Concen: 6.140 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Instrument :
BNA_F
ClientSampled :
TP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	15.2	10.4	15.6

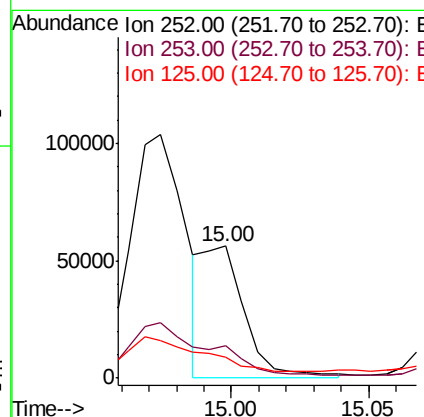
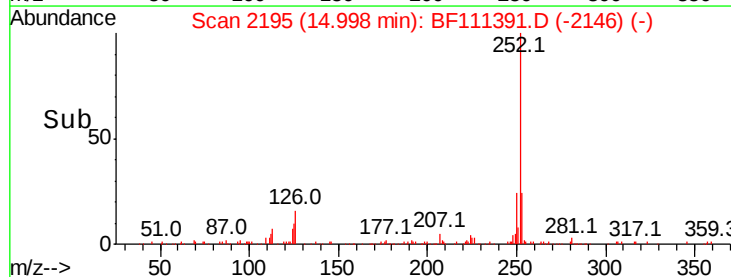
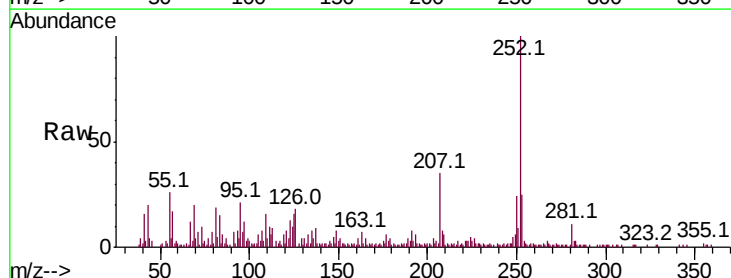
Manual Integrations
APPROVED

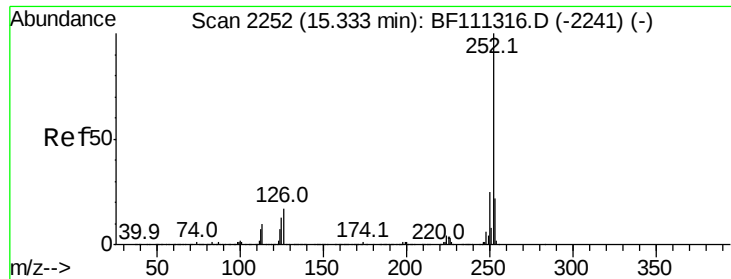
Sohil
12/14/2018 5:11:29 PM



#89
Benzo(k)fluoranthene
Concen: 2.521 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.1	27.1
125	15.8	9.8	14.8#





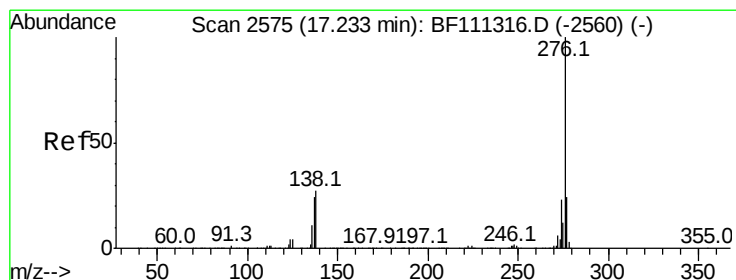
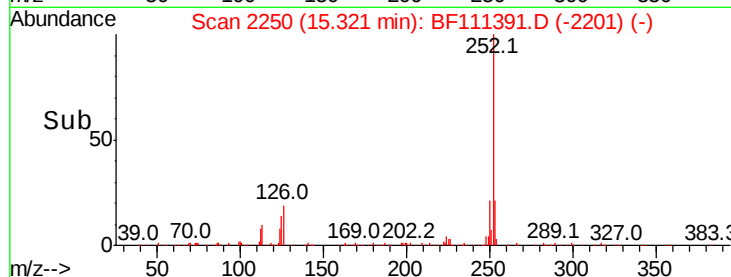
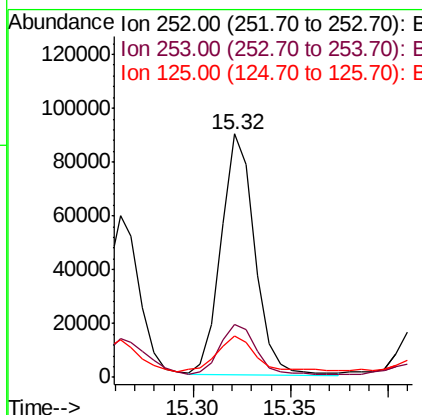
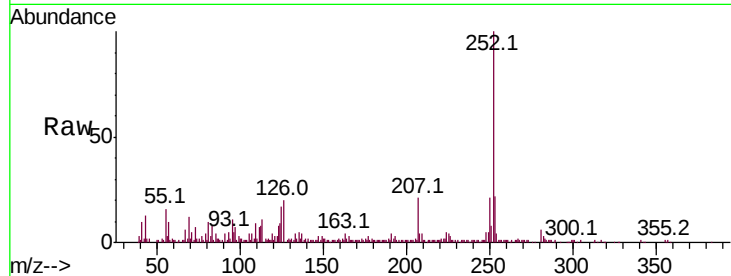
#90
Benzo(a)pyrene
Concen: 4.920 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.01 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Instrument :
BNA_F
ClientSampleId :
TP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	17.2	12.3	18.5

Manual Integrations
APPROVED

Sohil
12/14/2018 5:11:29 PM



#92
Benzo(g,h,i)perylene
Concen: 2.708 ng
RT: 17.22 min Scan# 2572
Delta R.T. -0.02 min
Lab File: BF111391.D
Acq: 14 Dec 2018 1:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	29.6	24.9	37.3

