

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
 Data File : BF111474.D
 Acq On : 15 Dec 2018 17:48
 Operator : JU/SJ
 Sample : J6361-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TN4803-121218

Manual Integrations
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Sohil
 12/17/2018 3:12:14 PM

Quant Time: Dec 16 01:39:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	165667	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	648111	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	273542	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	457749	20.00	ng	0.00
76) Chrysene-d12	13.95	240	418293	20.00	ng	0.00
87) Perylene-d12	15.39	264	313441	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1002753	100.72	ng	0.00
7) Phenol-d6	6.44	99	1271913	96.05	ng	0.00
23) Nitrobenzene-d5	7.35	82	770405	70.79	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	196228	80.08	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1282858	72.44	ng	0.00
79) Terphenyl-d14	12.90	244	1076406	60.43	ng	0.00
Target Compounds						
10) Phenol	6.45	94	88307	5.986	ng	94
50) Dimethylphthalate	9.55	163	96591	4.903	ng	97
71) Phenanthrene	11.33	178	128504	5.448	ng	# 92
75) Fluoranthene	12.52	202	252666	10.950	ng	97
78) Pyrene	12.75	202	226717	7.688	ng	95
81) Benzo(a)anthracene	13.94	228	97576	4.290	ng	100
83) Chrysene	13.97	228	112986	4.716	ng	96
86) Indeno(1,2,3-cd)pyrene	16.80	276	37785	2.185	ng	96
88) Benzo(b)fluoranthene	14.97	252	124357m	6.805	ng	
89) Benzo(k)fluoranthene	15.00	252	40695m	2.331	ng	
90) Benzo(a)pyrene	15.33	252	74390	4.514	ng	97
92) Benzo(a,h,i)perylene	17.23	276	41374	3.243	ng	94

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

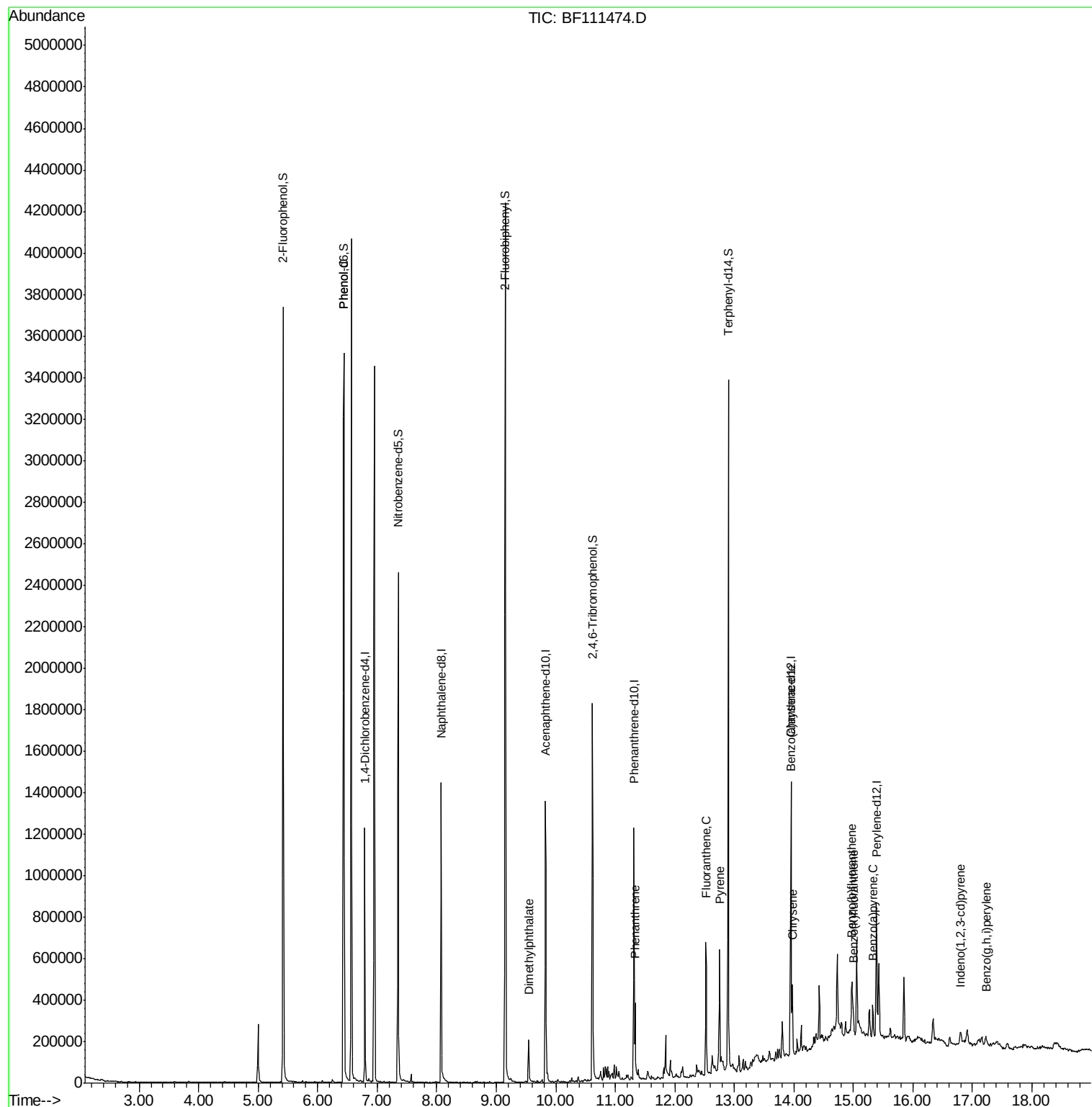
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111474.D
Acq On : 15 Dec 2018 17:48
Operator : JU/SJ
Sample : J6361-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

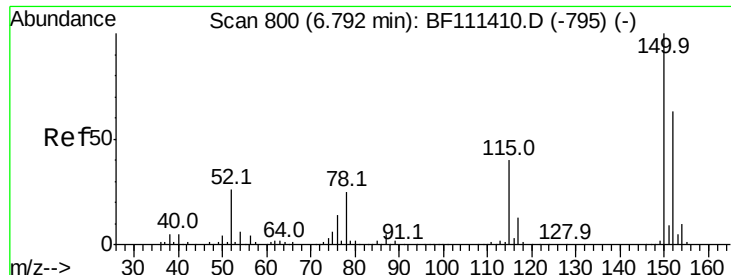
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
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#1

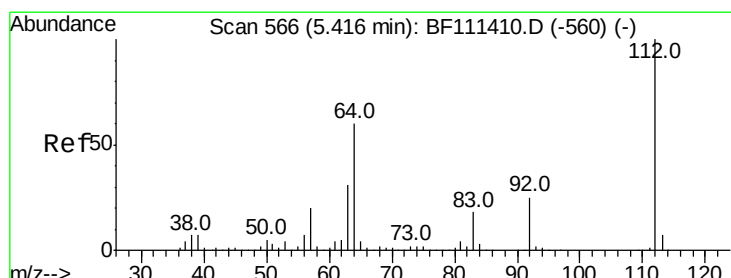
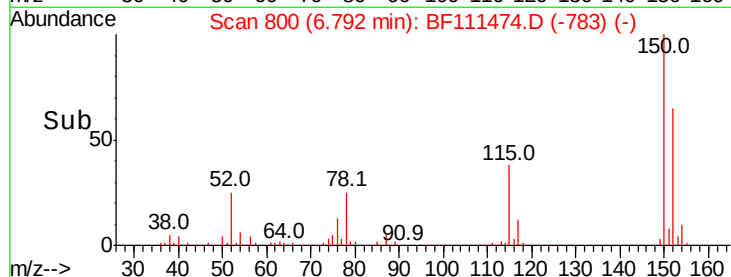
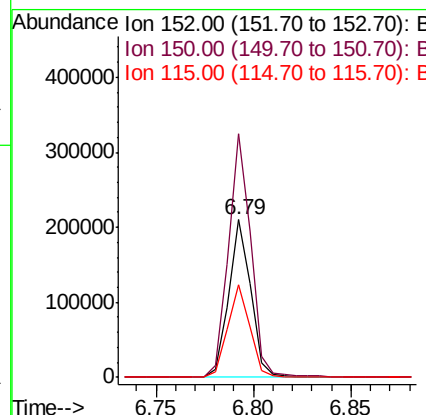
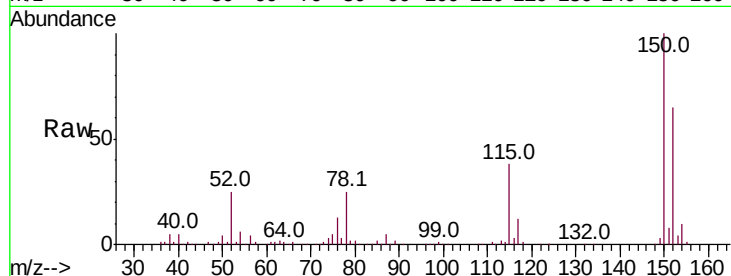
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Instrument :
BNA_F
ClientSampleId :
TN4803-121218

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.6	189.8
115	58.9	50.7	76.1

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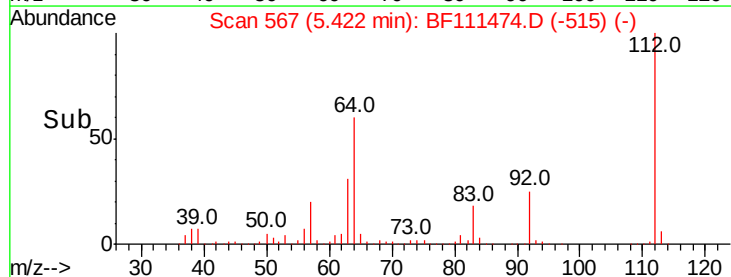
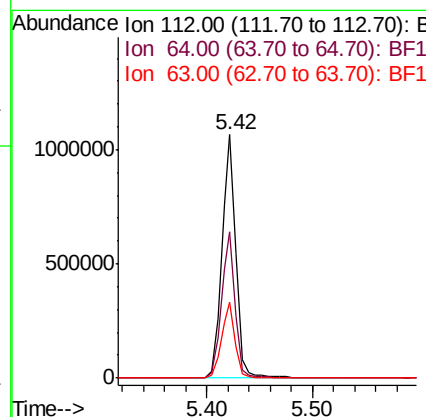
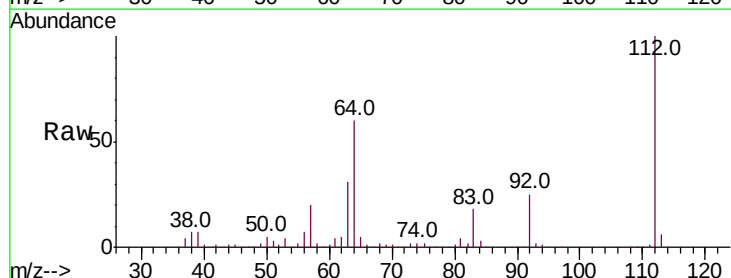
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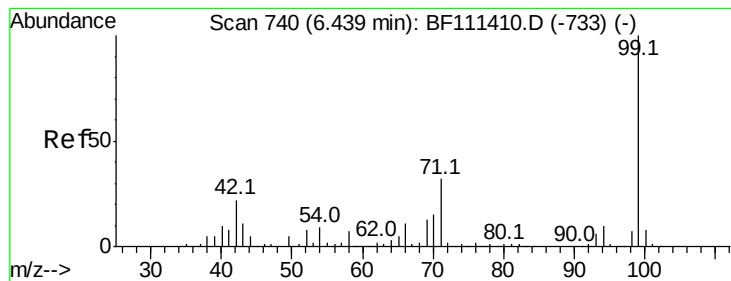


#5

2-Fluorophenol
Concen: 100.723 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	51.8	77.6
63	31.4	26.8	40.2





#7

Phenol-d6

Concen: 96.046 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111474.D

Acq: 15 Dec 2018 17:48

Instrument :

BNA_F

ClientSampleId :

TN4803-121218

Tot Ion: 99 Resp: 1271913

Ion Ratio Lower Upper

99 100

42 20.3 17.4 26.0

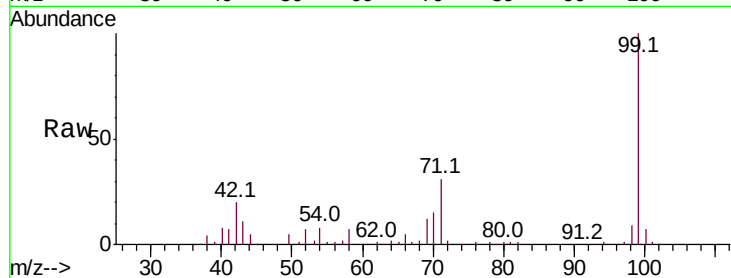
71 31.5 26.1 39.1

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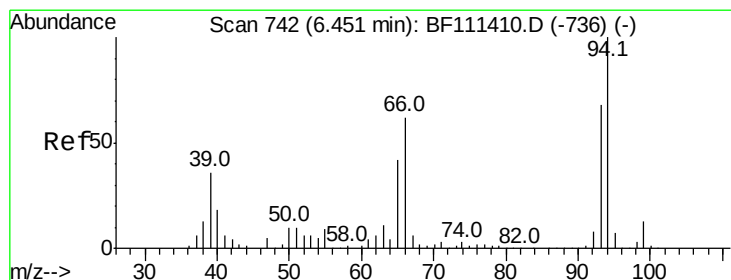
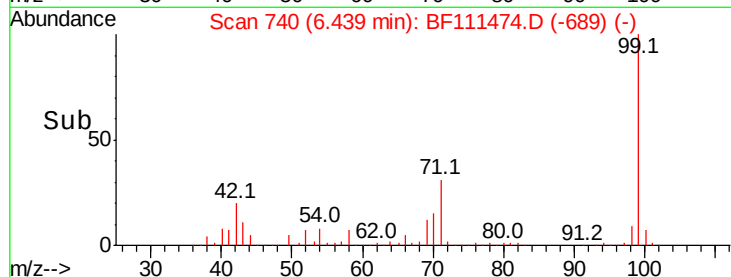
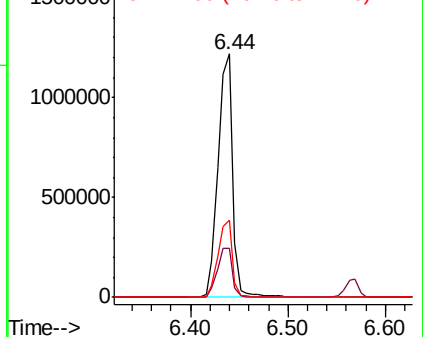
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.986 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111474.D

Acq: 15 Dec 2018 17:48

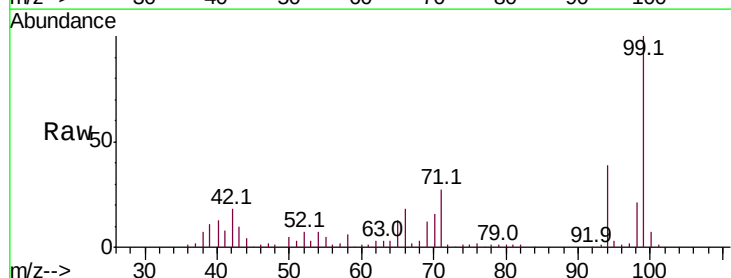
Tgt Ion: 94 Resp: 88307

Ion Ratio Lower Upper

94 100

65 32.8 11.7 51.7

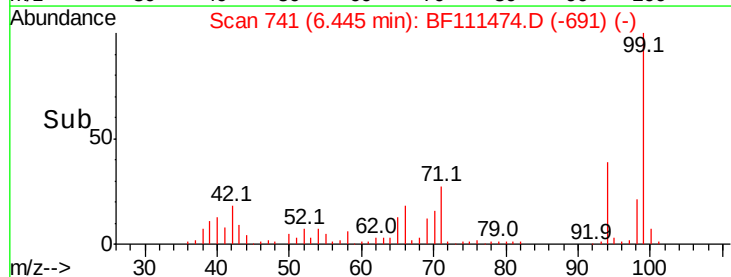
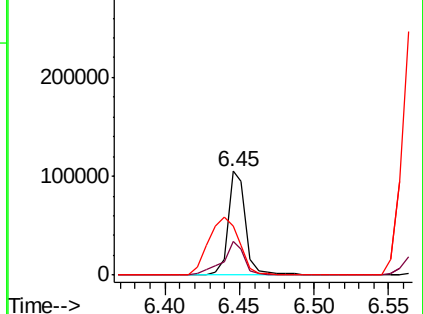
66 46.7 21.0 61.0

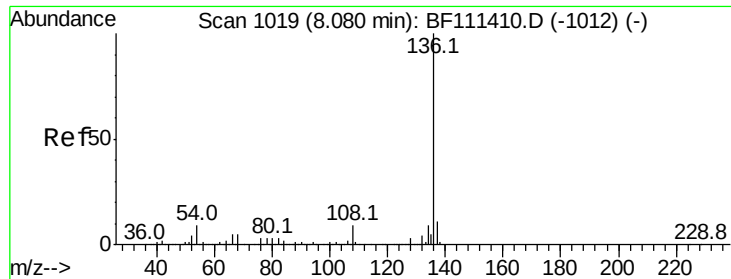


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





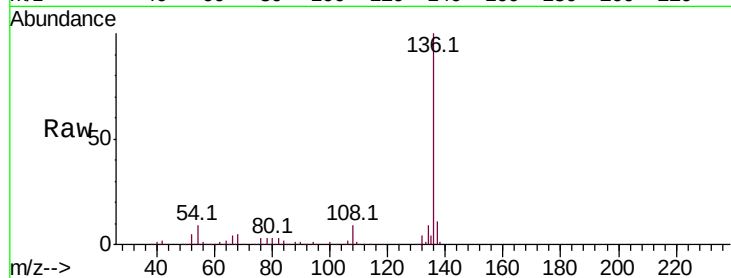
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Instrument :
BNA_F
ClientSampleId :
TN4803-121218

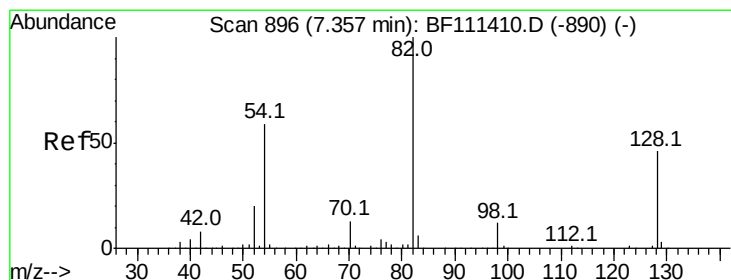
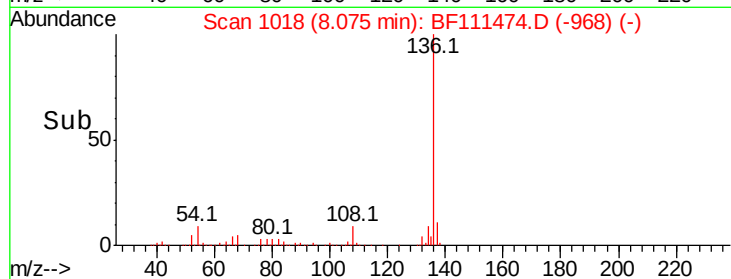
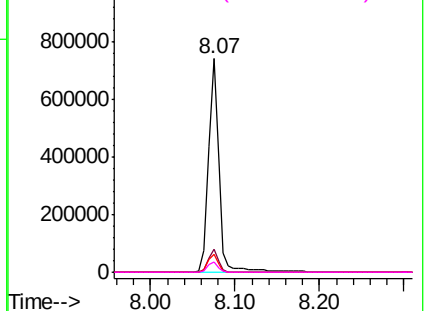
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	9.1	13.7	
54	8.5	7.7	11.5	
68	5.0	4.9	7.3	

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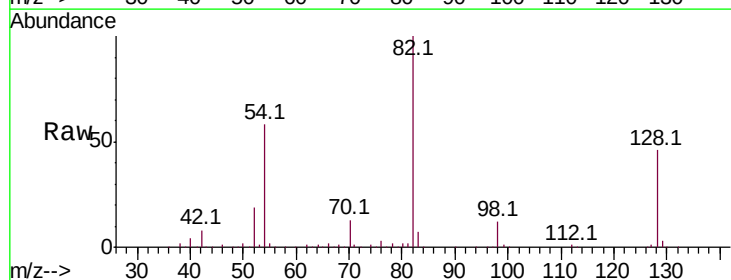


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

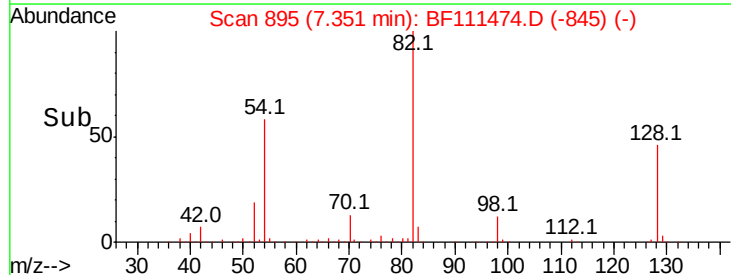
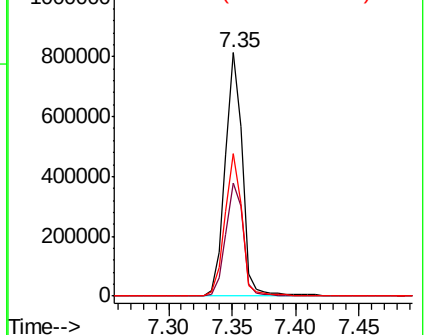


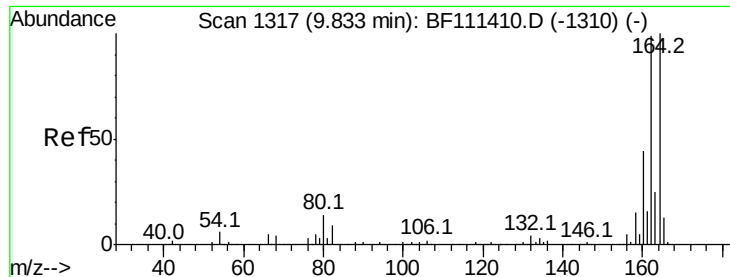
#23
Nitrobenzene-d5
Concen: 70.785 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.5	37.4	56.2	
54	58.5	47.6	71.4	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





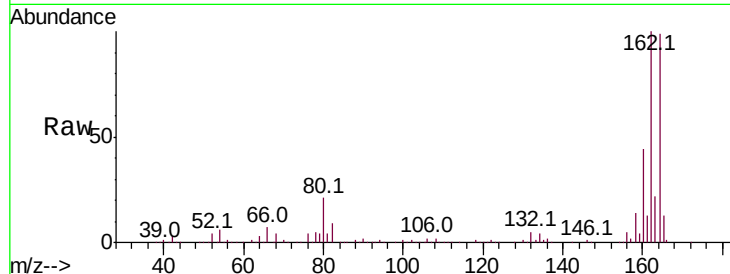
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Instrument :
BNA_F
ClientSampleId :
TN4803-121218

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.4	122.0
160	44.4	35.7	53.5

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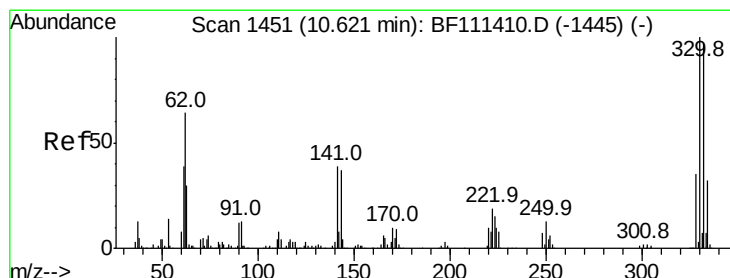
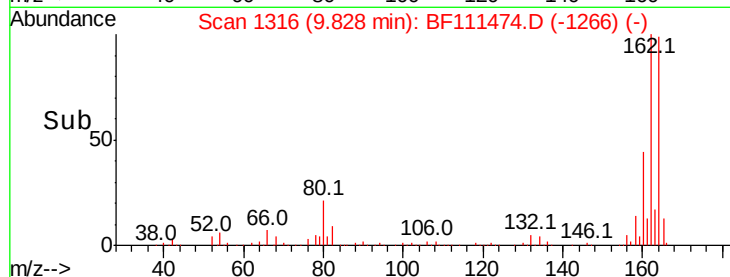
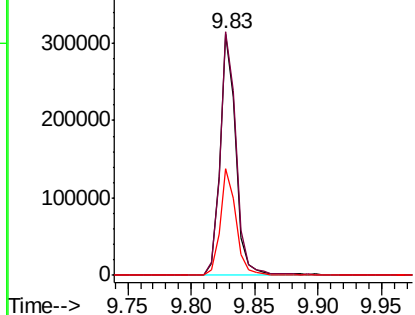


Abundance

Ion 164.00 (163.70 to 164.70): E

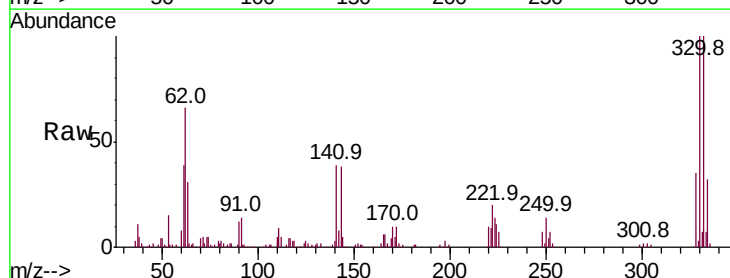
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 80.081 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.5	76.0	114.0
141	38.4	31.0	46.6

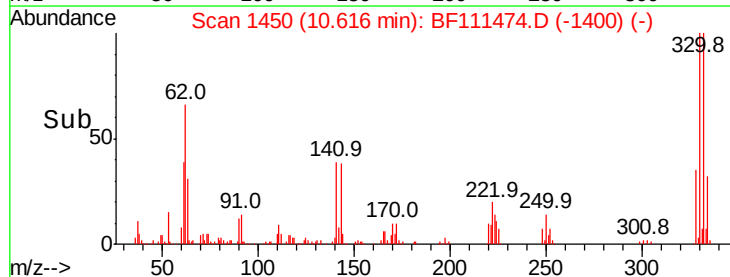
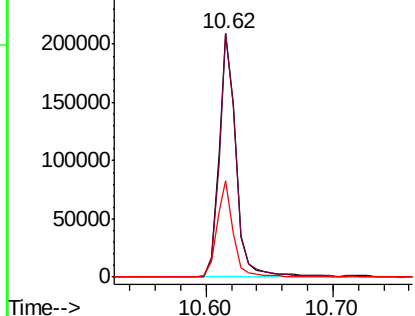


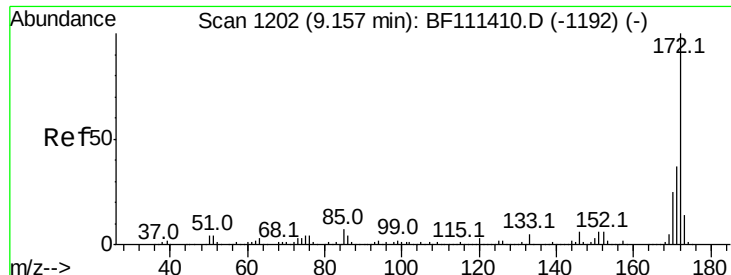
Abundance

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





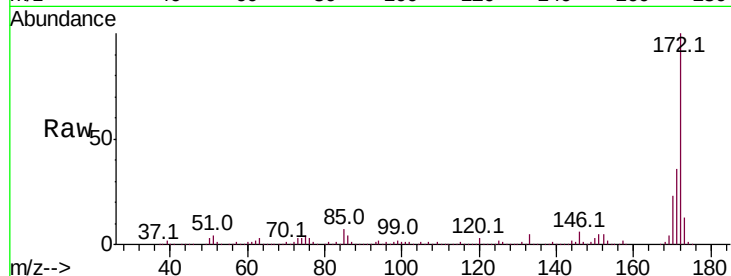
#45
2-Fluorobiphenyl
Concen: 72.441 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Instrument :
BNA_F
ClientSampleId :
TN4803-121218

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	33.0	49.4
170	23.5	22.3	33.5

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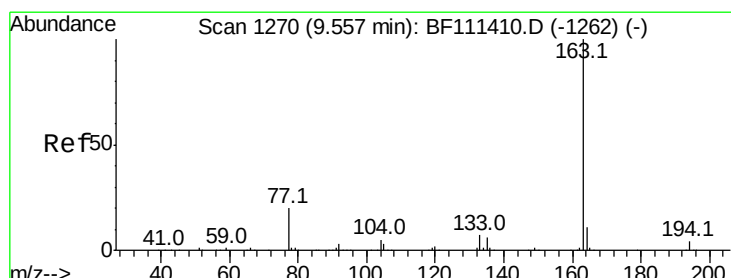
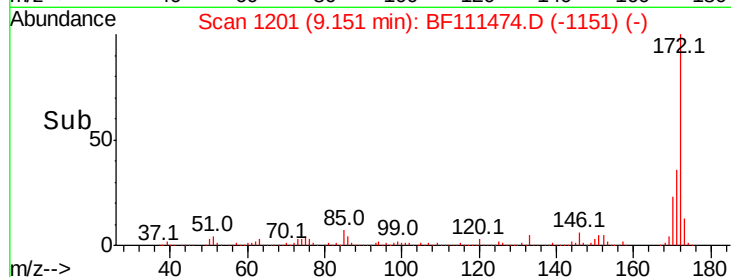
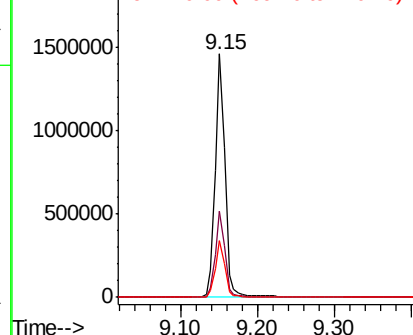


Abundance

Ion 172.00 (171.70 to 172.70): E

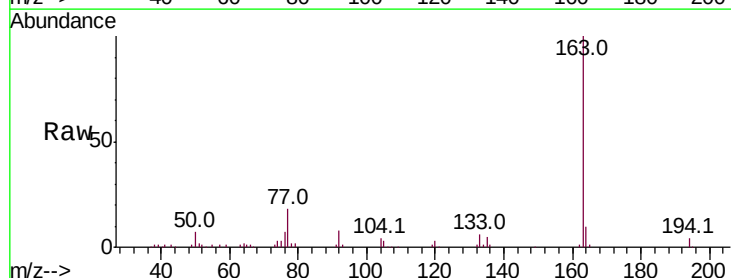
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.903 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	9.9	8.9	13.3

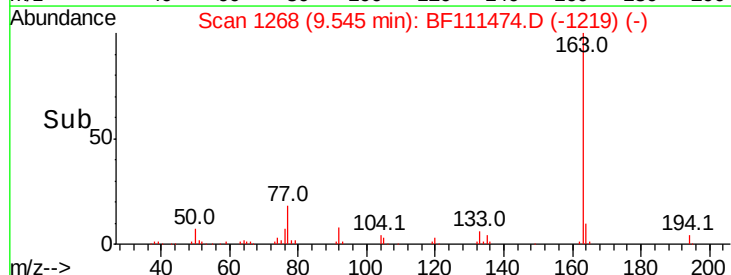
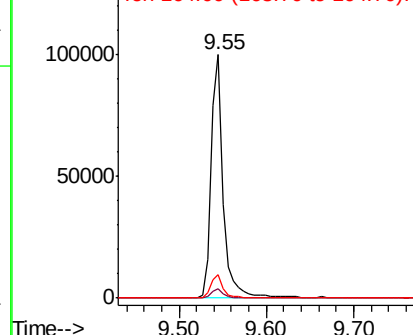


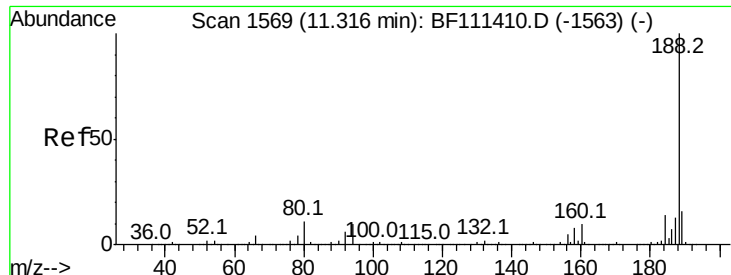
Abundance

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





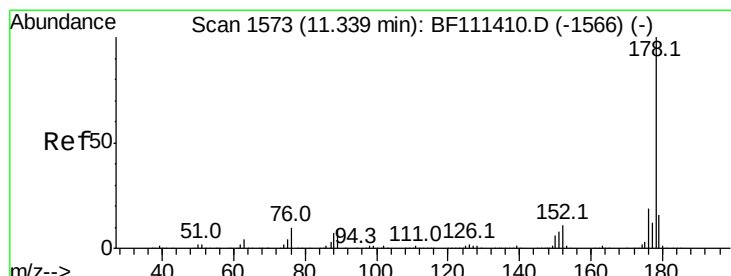
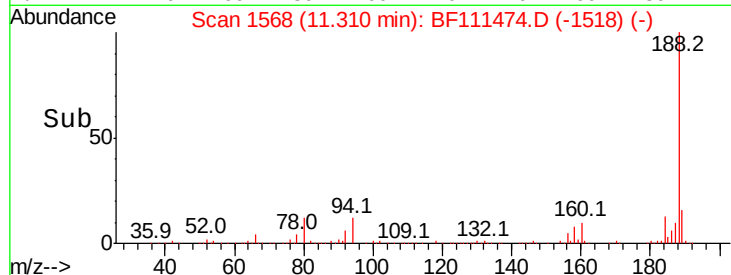
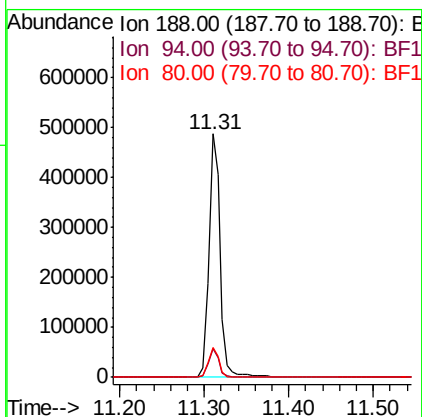
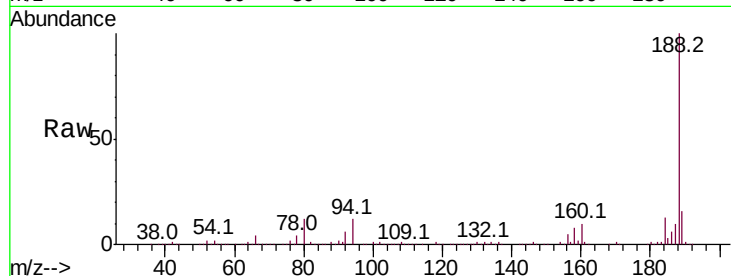
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Instrument :
BNA_F
ClientSampleId :
TN4803-121218

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.8		9.6	14.4
80	12.4		9.8	14.6

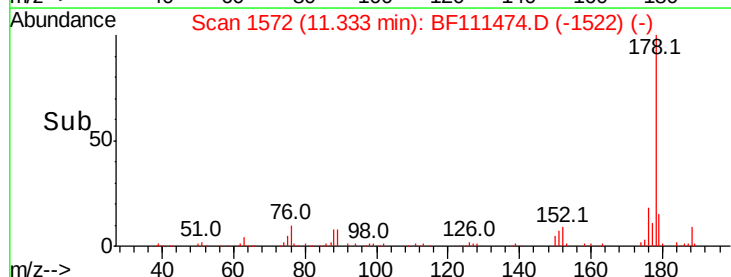
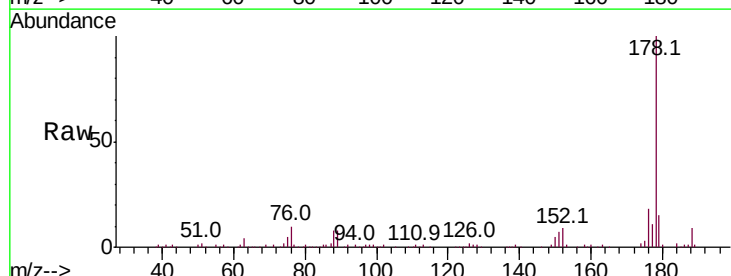
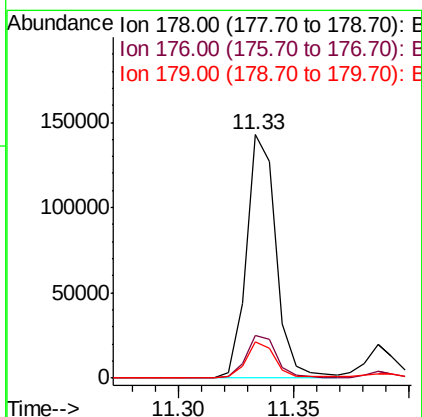
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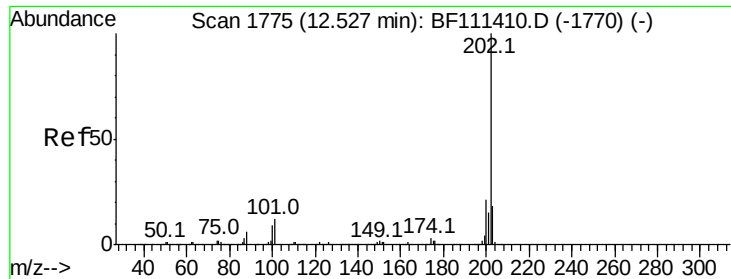
Sohil
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#71
Phenanthrene
Concen: 5.448 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	17.7		18.1	27.1#
179	14.7		14.0	21.0





#75

Fluoranthene

Concen: 10.950 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111474.D

Acq: 15 Dec 2018 17:48

Instrument :

BNA_F

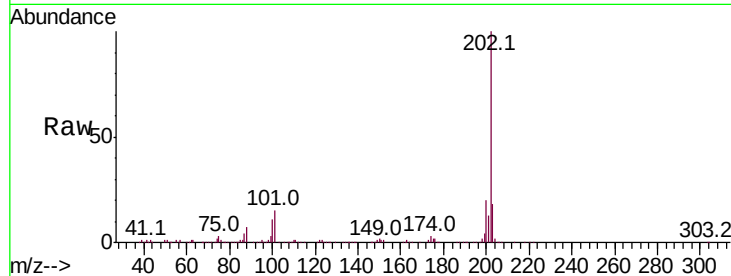
ClientSampleId :

TN4803-121218

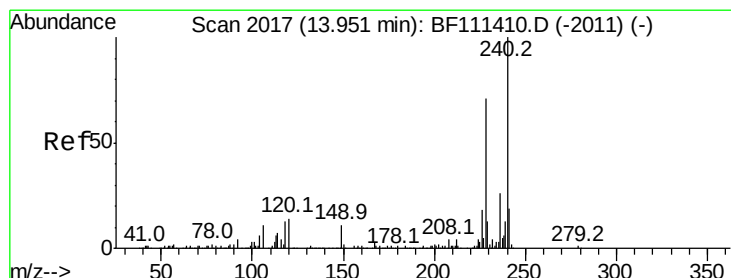
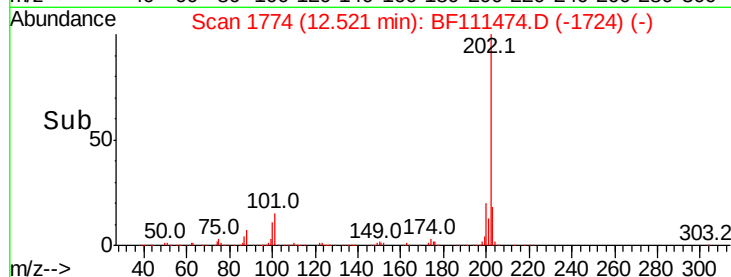
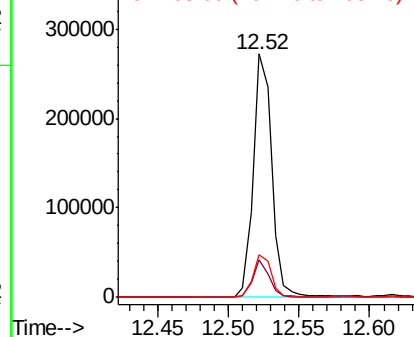
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.2	0.0	33.8
203	17.7	0.0	38.6

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

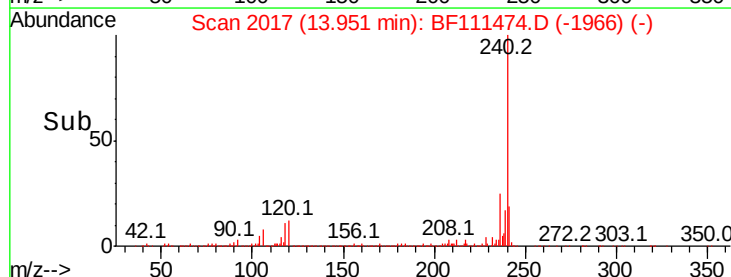
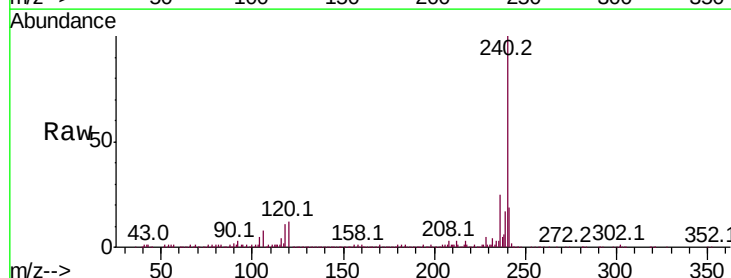
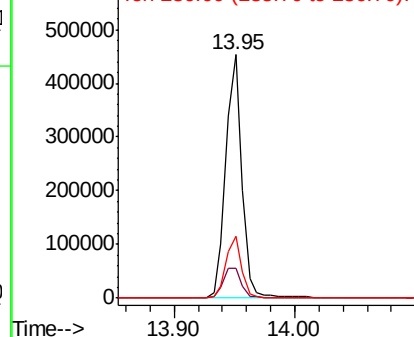
Delta R.T. 0.00 min

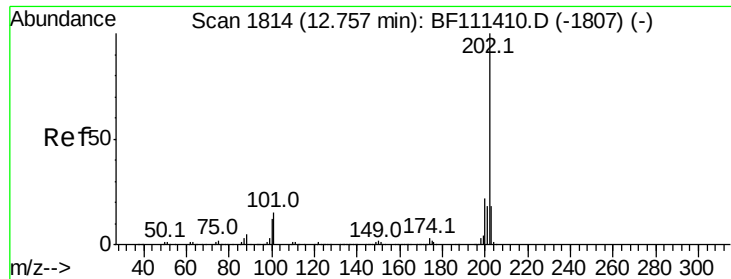
Lab File: BF111474.D

Acq: 15 Dec 2018 17:48

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.5	12.2	18.2
236	25.4	20.2	30.2

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





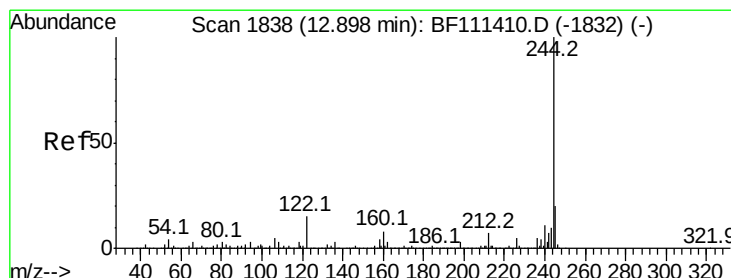
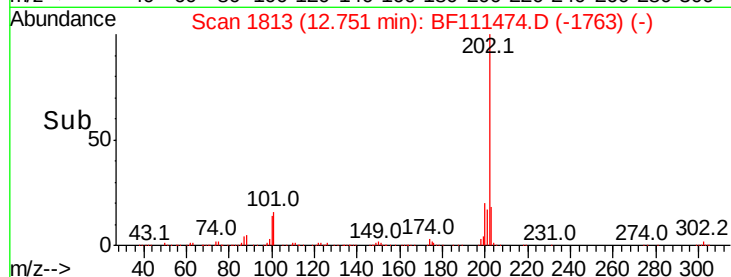
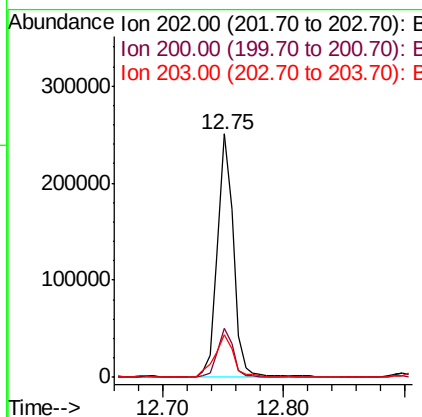
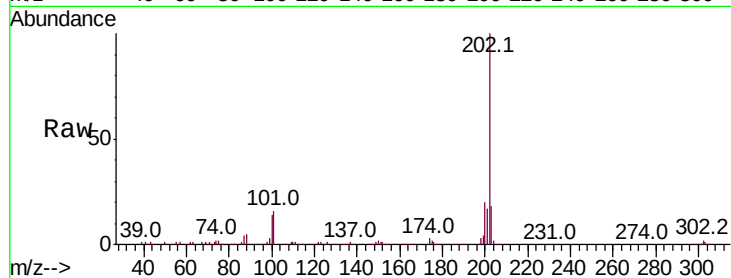
#78
Pvrene
Concen: 7.688 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Instrument :
BNA_F
ClientSampleId :
TN4803-121218

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.0	19.0	28.4
203	17.7	15.2	22.8

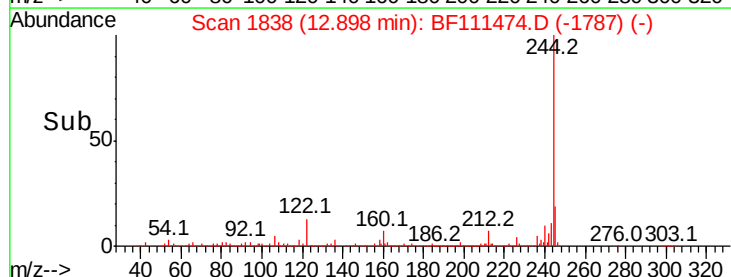
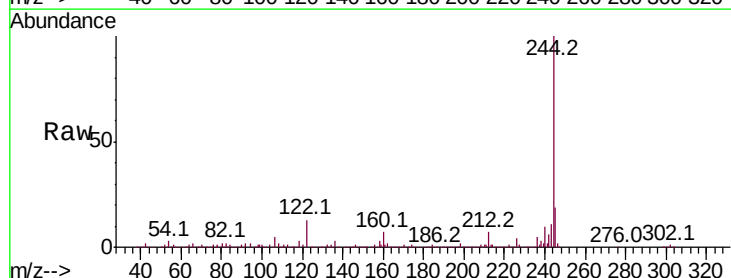
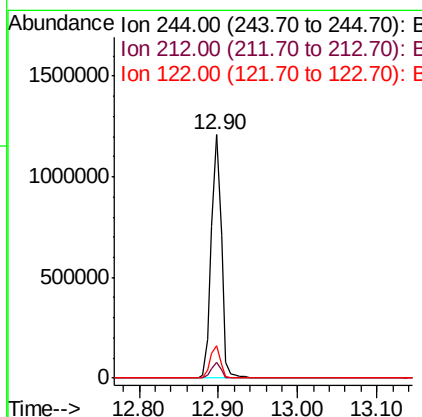
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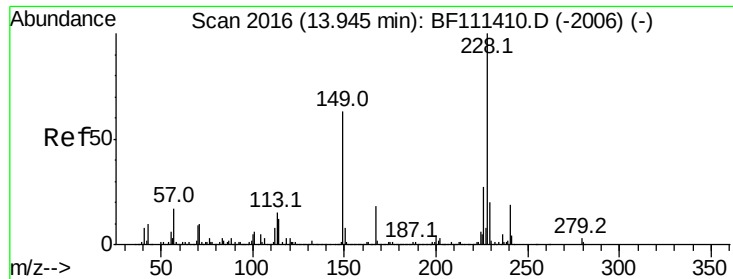
Sohil
12/17/2018 3:12:14 PM



#79
Terphenyl-d14
Concen: 60.428 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	5.7	8.5
122	13.3	13.1	19.7





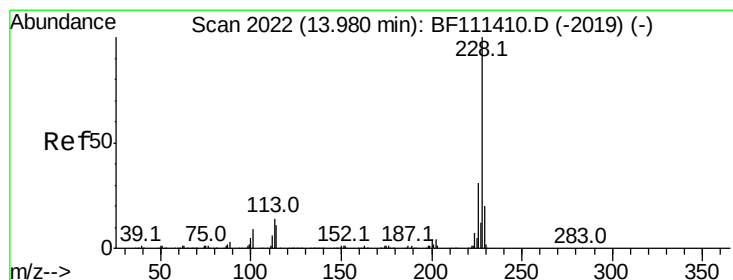
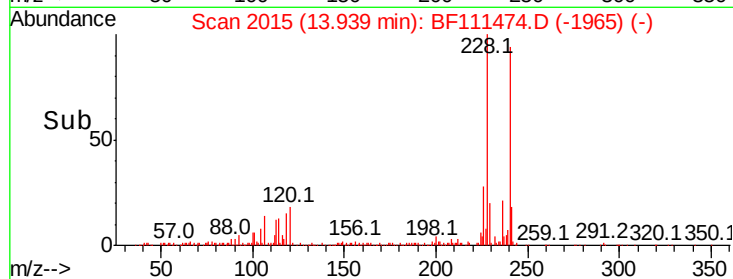
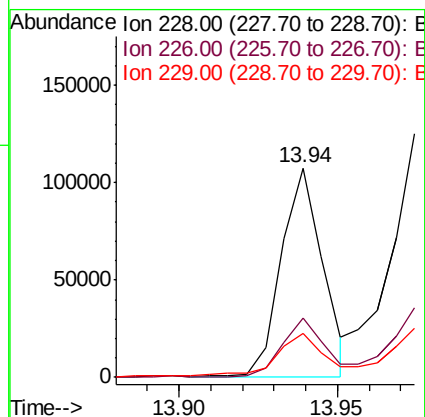
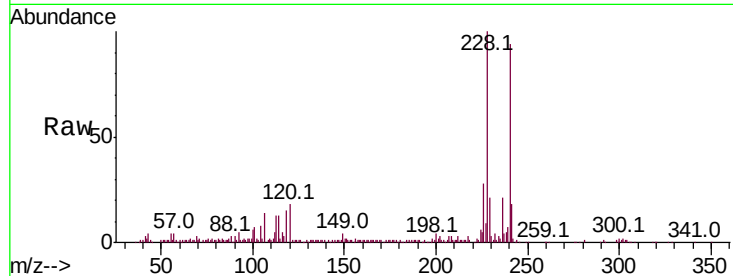
#81
Benzo(a)anthracene
Concen: 4.290 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Instrument :
BNA_F
ClientSampleId :
TN4803-121218

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	34.0
229	20.7	16.3	24.5

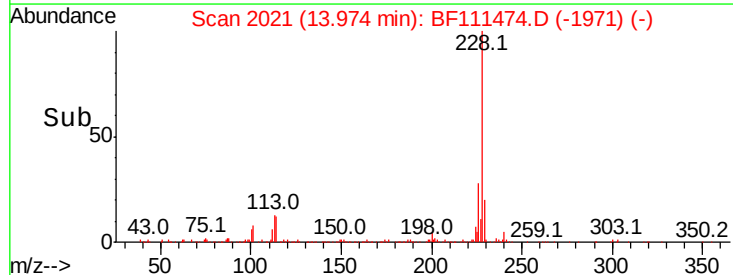
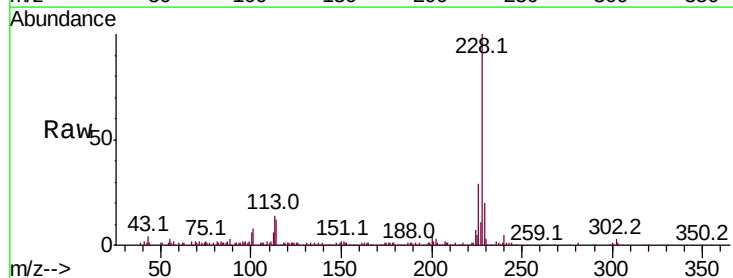
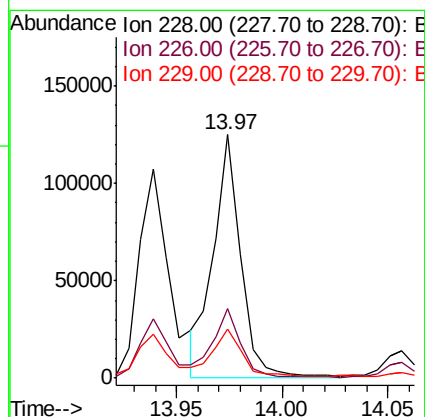
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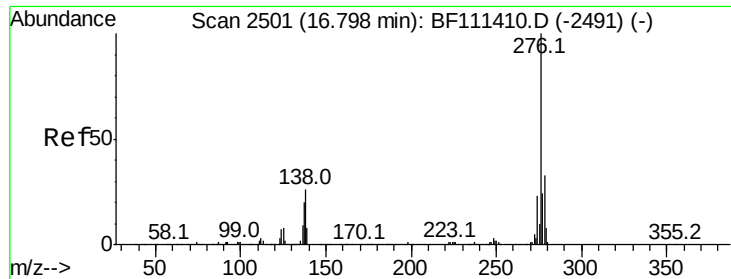
Sohil
12/17/2018 3:12:14 PM



#83
Chrysene
Concen: 4.716 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	25.3	37.9
229	20.4	17.2	25.8





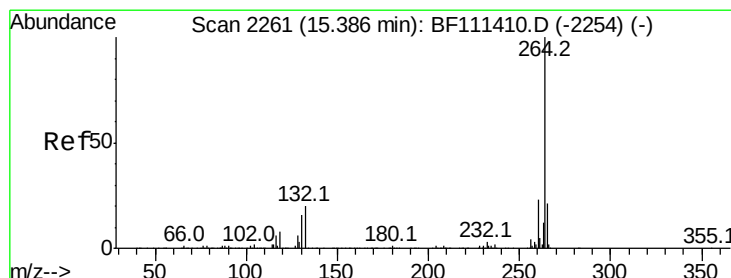
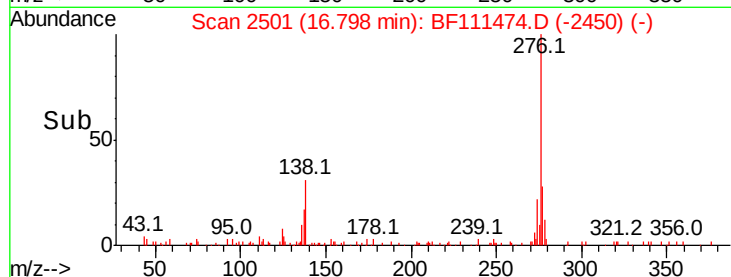
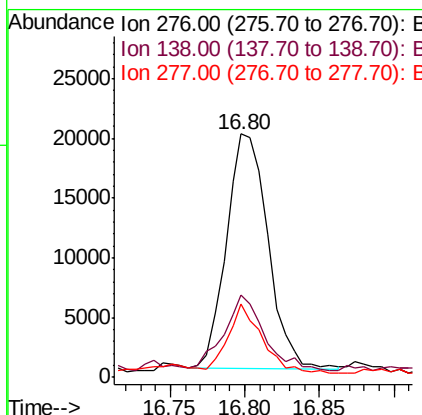
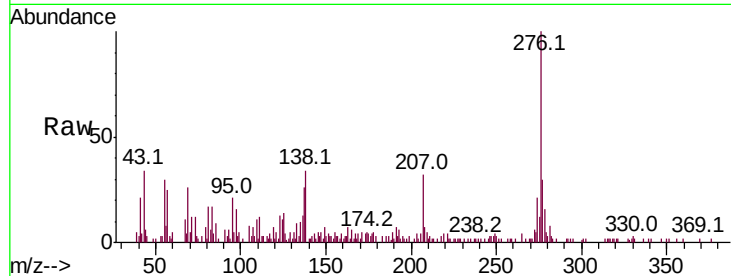
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.185 ng
RT: 16.80 min Scan# 2501
Delta R.T. 0.00 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Instrument :
BNA_F
ClientSampleId :
TN4803-121218

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.7	27.8	41.6
277	26.8	20.1	30.1

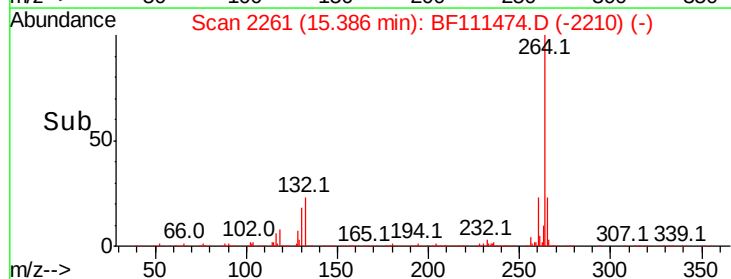
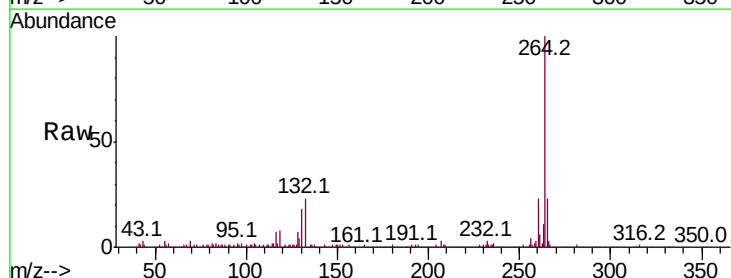
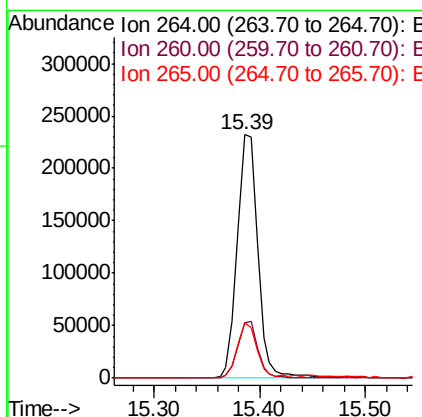
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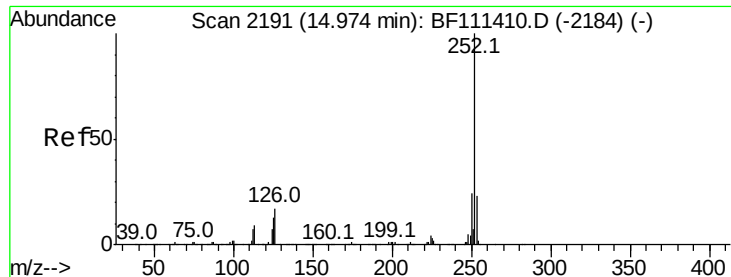
Sohil
12/17/2018 3:12:14 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.3	27.5
265	22.8	17.7	26.5





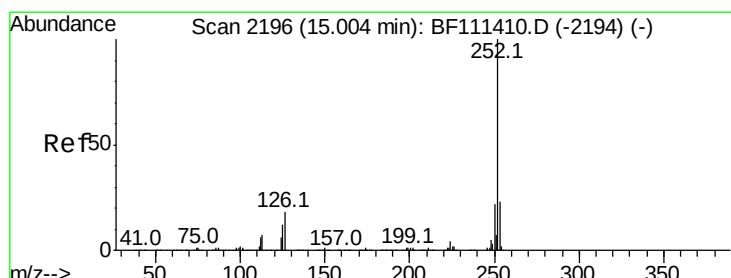
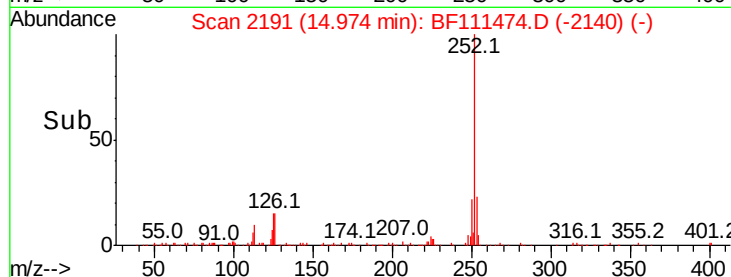
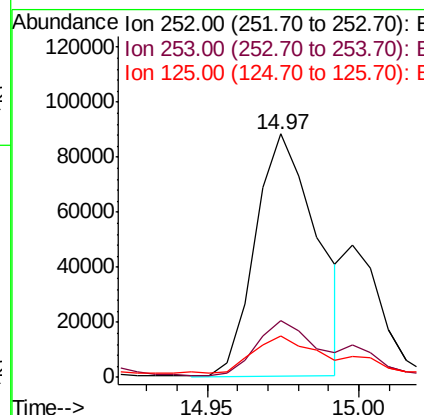
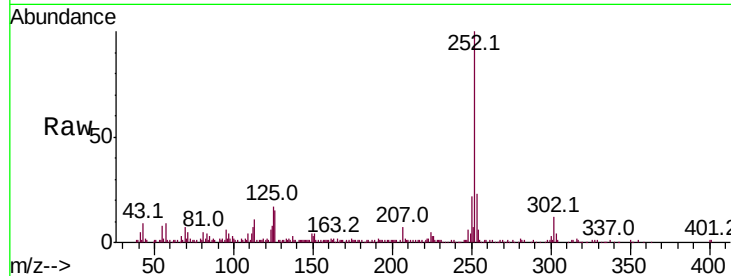
#88
Benzo(b)fluoranthene
Concen: 6.805 ng m
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Instrument :
BNA_F
ClientSampleId :
TN4803-121218

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	16.8	10.4	15.6

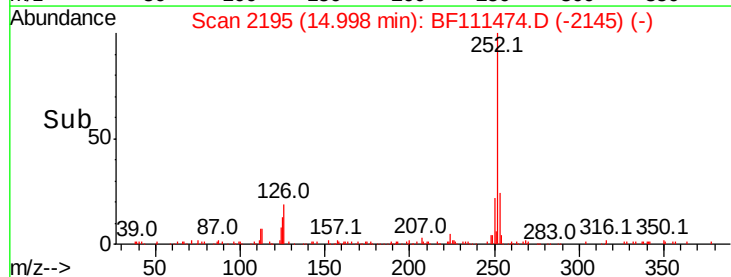
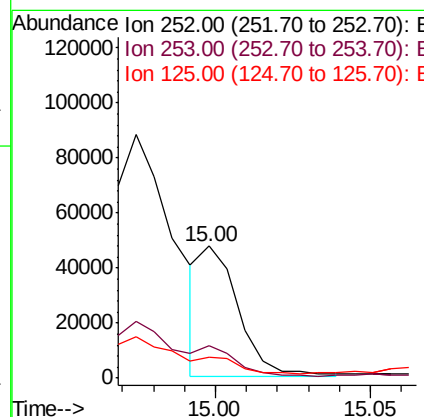
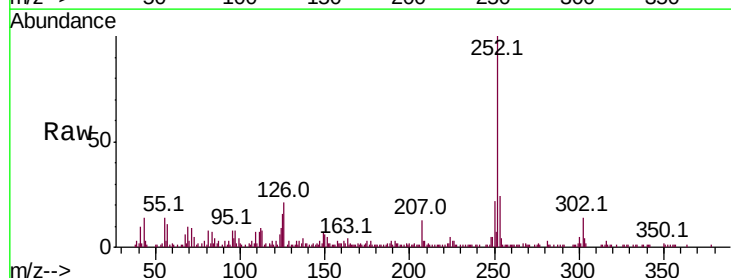
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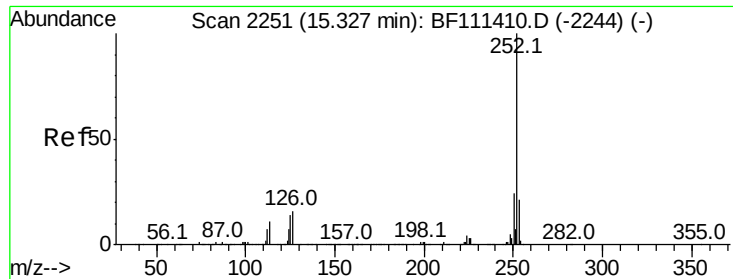
Sohil
12/17/2018 3:12:14 PM



#89
Benzo(k)fluoranthene
Concen: 2.331 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	15.8	9.8	14.8





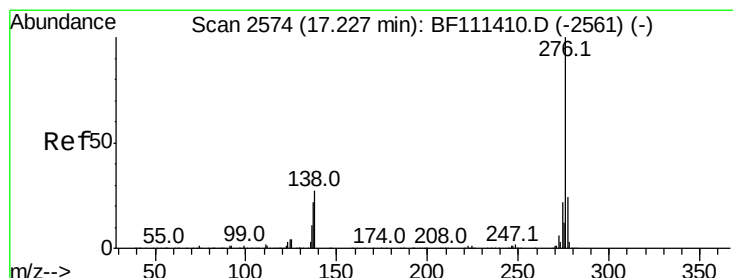
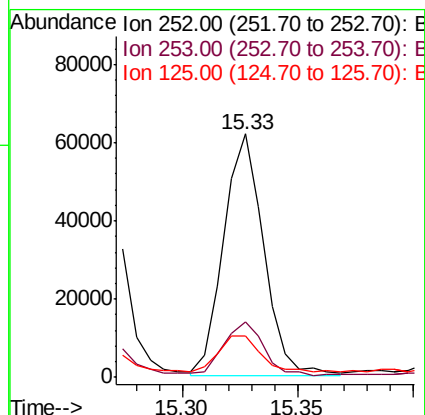
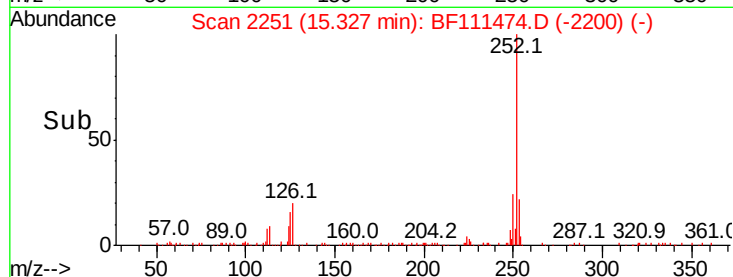
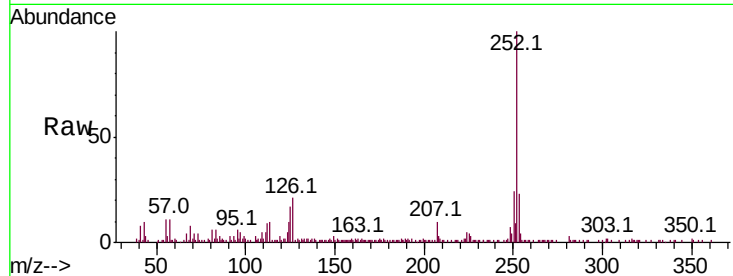
#90
Benzo(a)pyrene
Concen: 4.514 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Instrument :
BNA_F
ClientSampleId :
TN4803-121218

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	17.2	12.3	18.5

Manual Integrations
APPROVED

Sohil
12/17/2018 3:12:14 PM



#92
Benzo(g,h,i)perylene
Concen: 3.243 ng
RT: 17.23 min Scan# 2574
Delta R.T. 0.00 min
Lab File: BF111474.D
Acq: 15 Dec 2018 17:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.0	19.2	28.8
138	28.5	24.9	37.3

