

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
 Data File : BF113733.D
 Acq On : 11 Apr 2019 21:25
 Operator : JU/SJ
 Sample : K2358-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
 APPROVED

Sohil
 4/12/2019 2:29:10 PM

Quant Time: Apr 12 02:43:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	129006	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	487183	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	226353	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	419830	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	342328	20.00	ng	-0.02
87) Perylene-d12	15.23	264	348108	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	801018	105.88	ng	-0.01
7) Phenol-d6	6.33	99	1066181	114.34	ng	-0.01
23) Nitrobenzene-d5	7.24	82	630524	75.81	ng	-0.02
42) 2,4,6-Tribromophenol	10.49	330	287033	105.56	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1159059	82.44	ng	-0.02
79) Terphenyl-d14	12.76	244	1057741	62.91	ng	-0.03
Target Compounds						
50) Dimethylphthalate	9.43	163	159979	9.588	ng	99
71) Phenanthrene	11.21	178	181222	8.687	ng	98
72) Anthracene	11.27	178	42606m	2.007	ng	
75) Fluoranthene	12.40	202	453600	20.291	ng	98
78) Pyrene	12.62	202	418114	16.052	ng	98
81) Benzo(a)anthracene	13.81	228	286758	14.521	ng	96
83) Chrysene	13.84	228	252878	12.632	ng	99
86) Indeno(1,2,3-cd)pyrene	16.59	276	162238	8.778	ng	96
88) Benzo(b)fluoranthene	14.83	252	419267m	19.676	ng	
89) Benzo(k)fluoranthene	14.86	252	109636m	5.733	ng	
90) Benzo(a)pyrene	15.17	252	297863	15.731	ng	95
91) Dibenzo(a,h)anthracene	16.59	278	42577	2.405	ng	# 82
92) Benzo(a,h,i)perylene	17.00	276	159617	8.832	ng	96

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

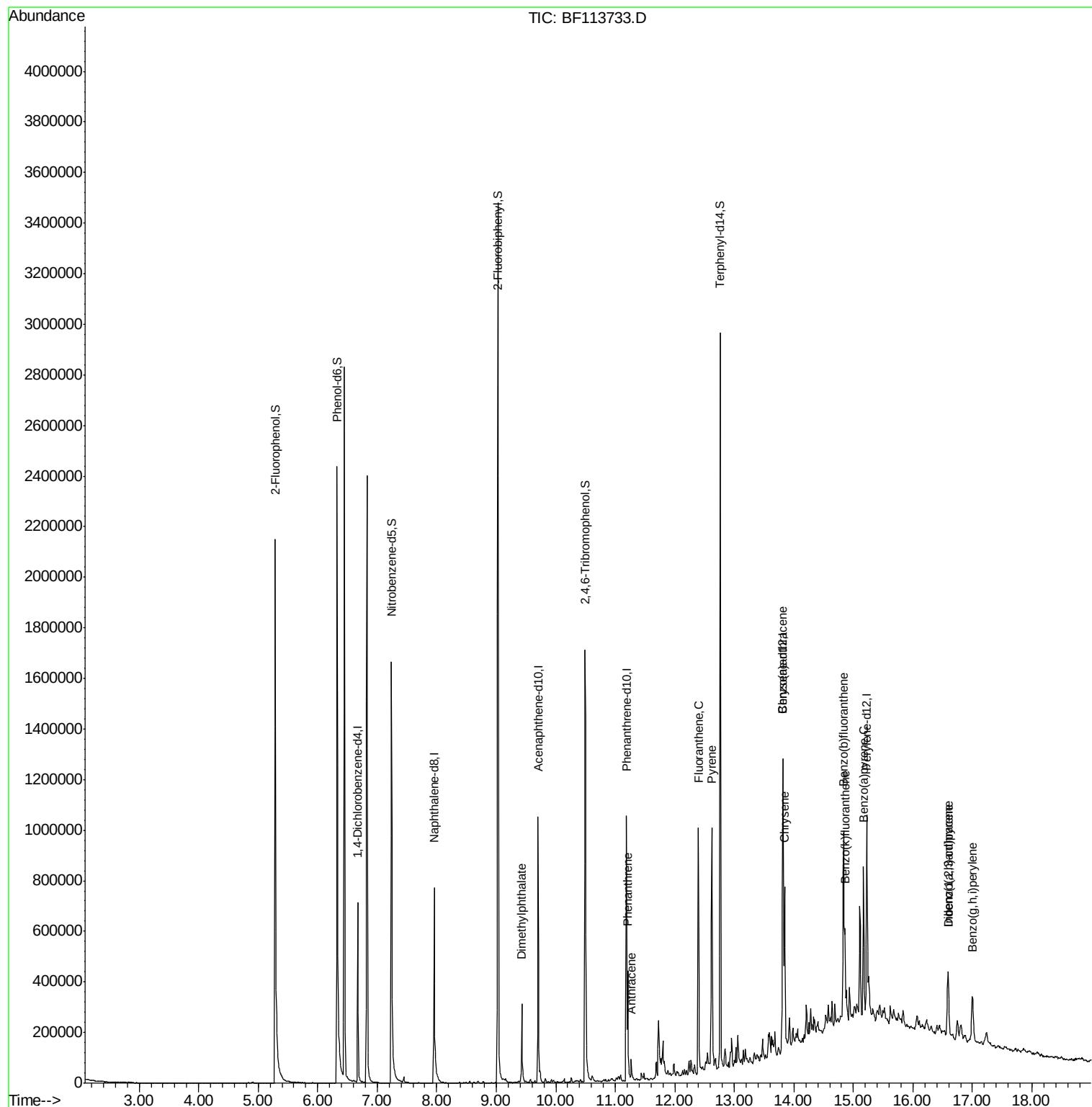
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
Data File : BF113733.D
Acq On : 11 Apr 2019 21:25
Operator : JU/SJ
Sample : K2358-03
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ALS Vial : 20 Sample Multiplier: 1

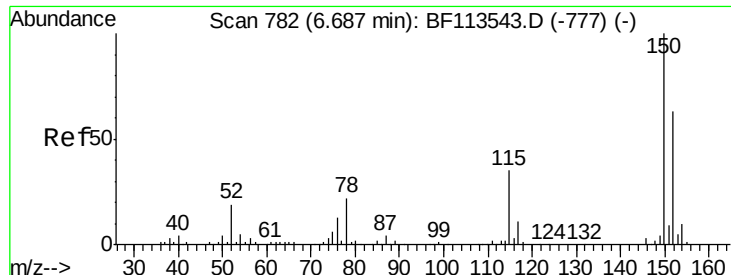
Instrument :
BNA_F
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TP-5

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#1

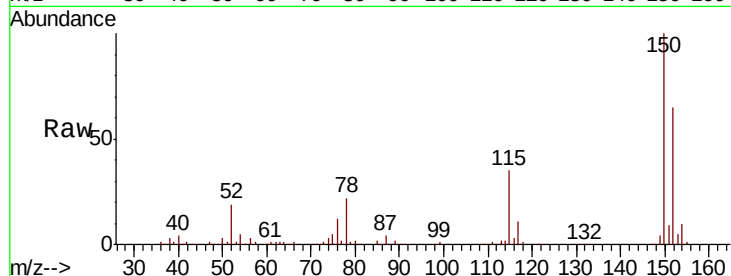
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113733.D
Acq: 11 Apr 2019 21:25

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.7	187.1
115	53.6	46.0	69.0

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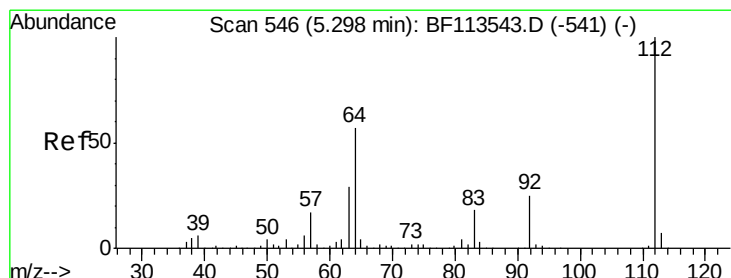
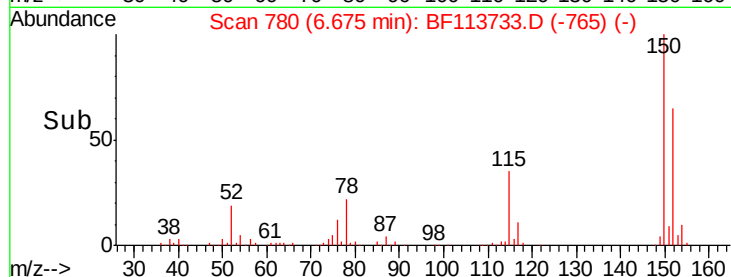
Abundance

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

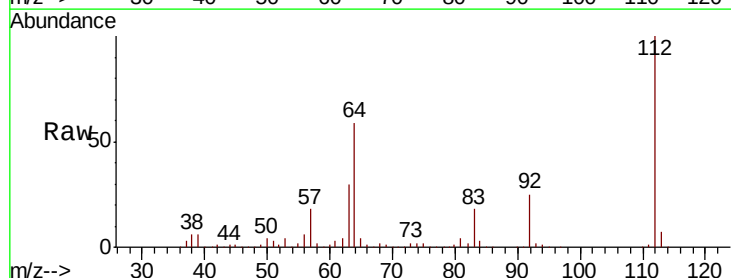
Time-->



#5

2-Fluorophenol
Concen: 105.880 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF113733.D
Acq: 11 Apr 2019 21:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	49.2	73.8
63	29.8	24.9	37.3



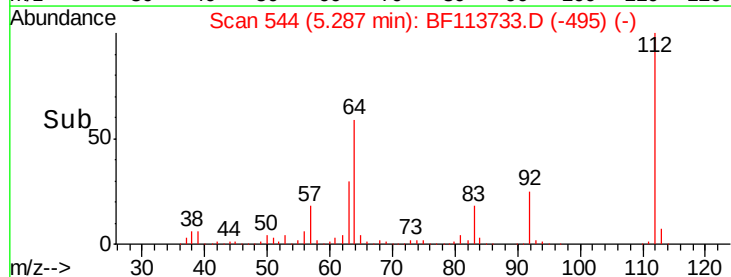
Abundance

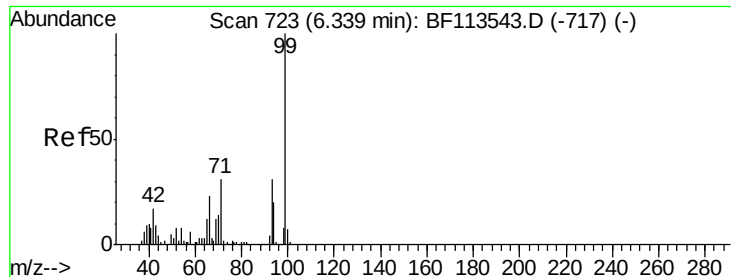
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 114.344 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113733.D

Acq: 11 Apr 2019 21:25

Instrument :

BNA_F

ClientSampleId :

TP-5

Tot Ion: 99 Resp: 1066181

Ion Ratio Lower Upper

99 100

42 18.2 14.8 22.2

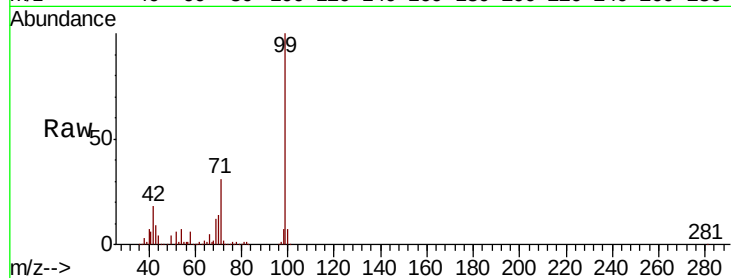
71 31.5 24.9 37.3

Manual Integrations

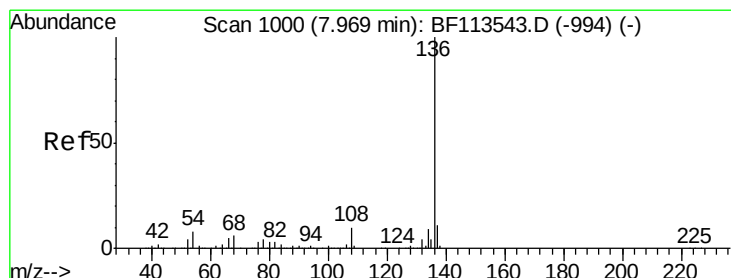
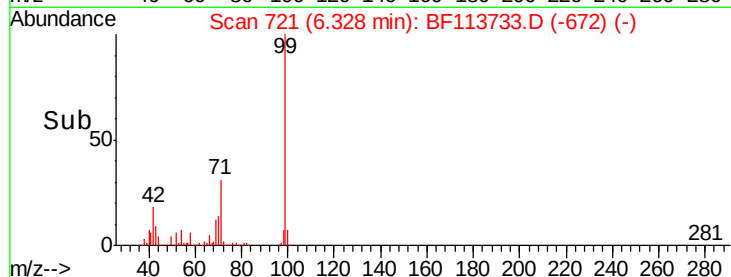
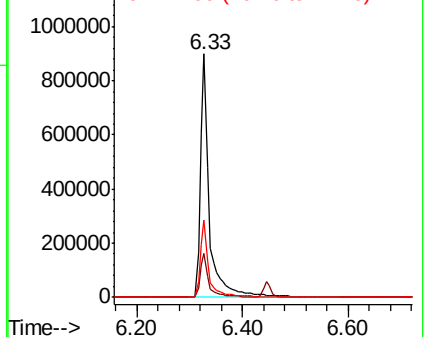
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF113733.D

Acq: 11 Apr 2019 21:25

Tgt Ion: 136 Resp: 487183

Ion Ratio Lower Upper

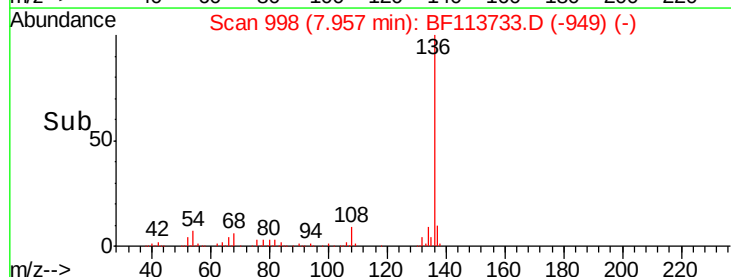
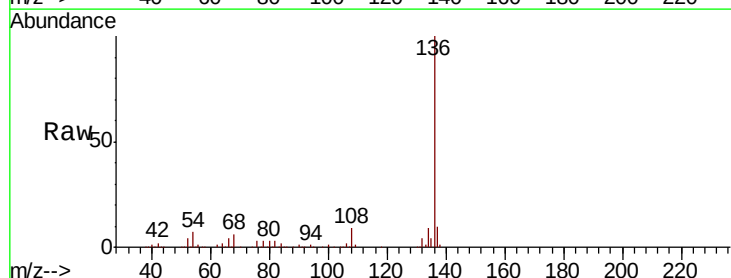
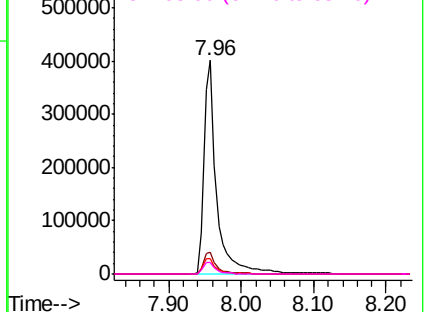
136 100

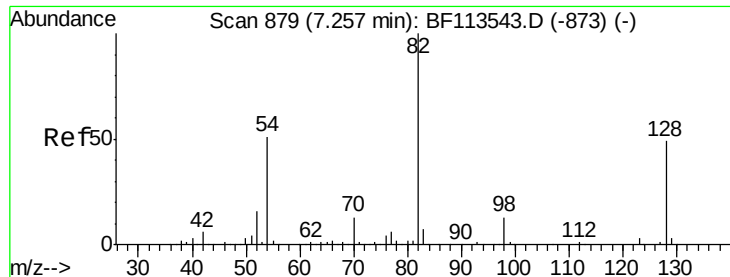
137 10.5 8.9 13.3

54 7.3 7.0 10.6

68 5.6 4.8 7.2

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





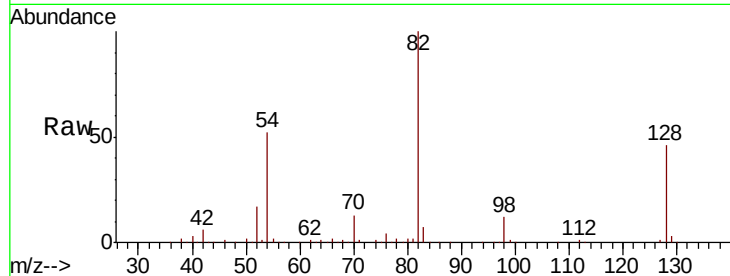
#23
Nitrobenzene-d5
Concen: 75.810 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF113733.D
Acq: 11 Apr 2019 21:25

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.5	54.7
54	51.7	42.2	63.2

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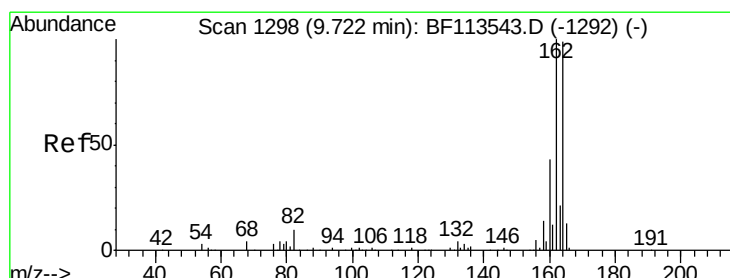
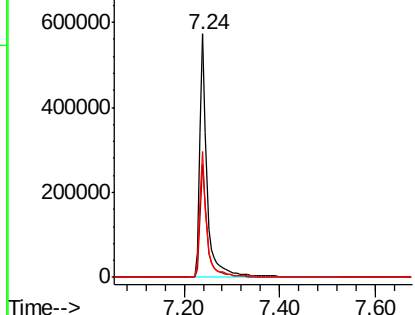
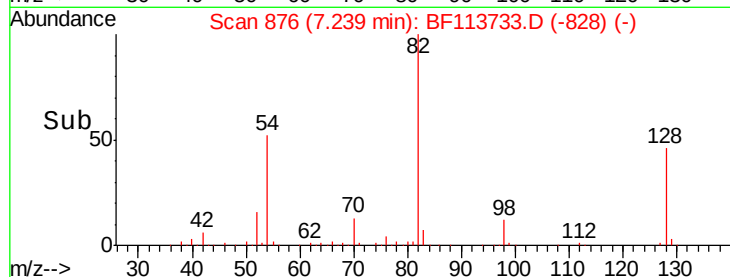


Abundance

Ion 82.00 (81.70 to 82.70): BF1

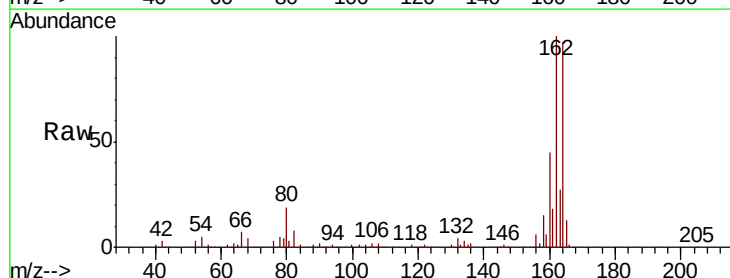
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF113733.D
Acq: 11 Apr 2019 21:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.8	122.6
160	46.1	36.4	54.6

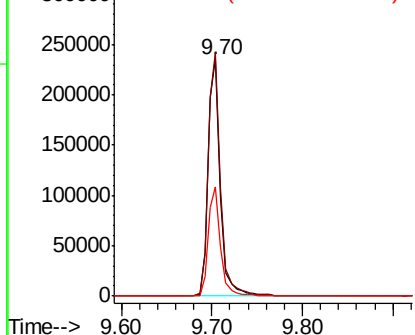
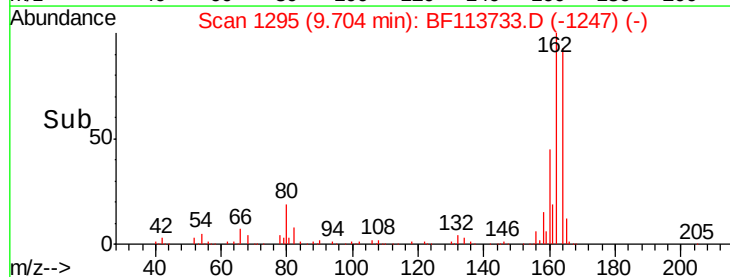


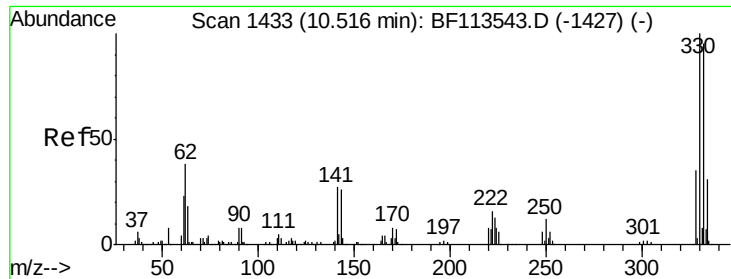
Abundance

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





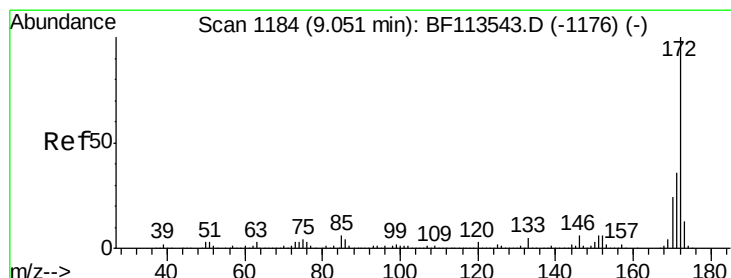
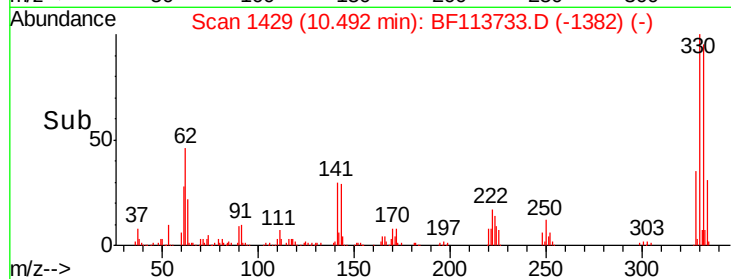
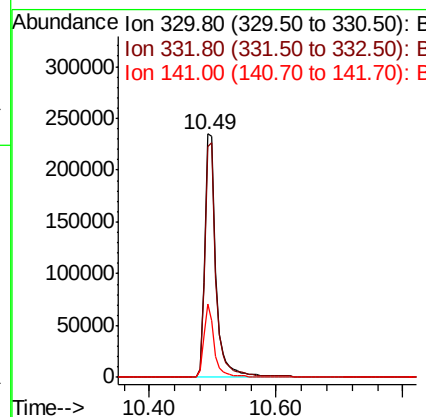
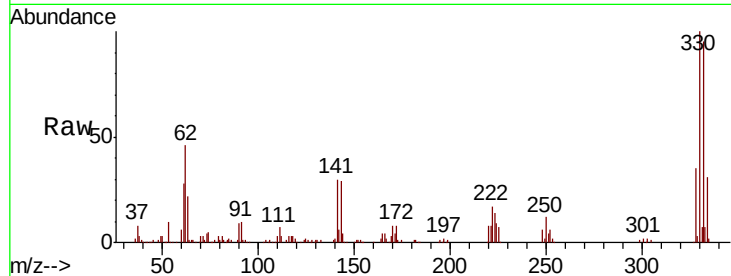
#42
 2,4,6-Tribromophenol
 Concen: 105.564 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.02 min
 Lab File: BF113733.D
 Acq: 11 Apr 2019 21:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.8	116.6
141	27.3	22.7	34.1

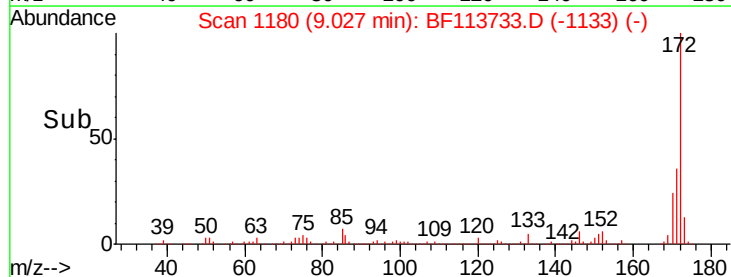
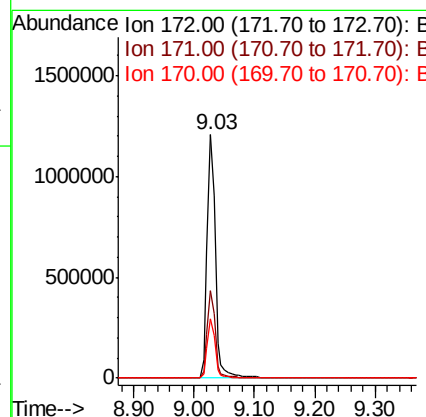
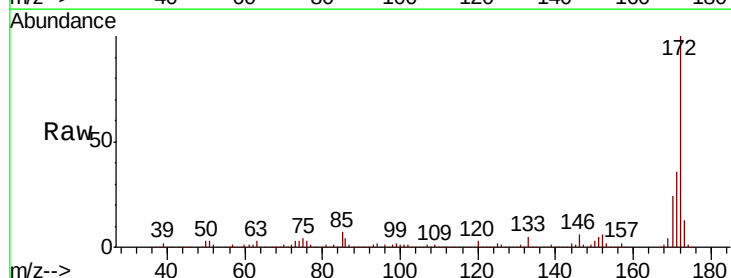
Manual Integrations
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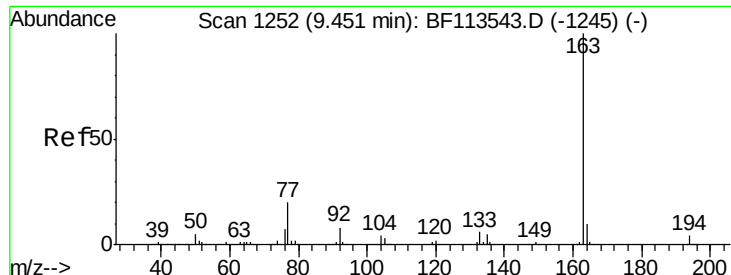
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#45
 2-Fluorobiphenyl
 Concen: 82.436 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113733.D
 Acq: 11 Apr 2019 21:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.6
170	24.1	19.5	29.3





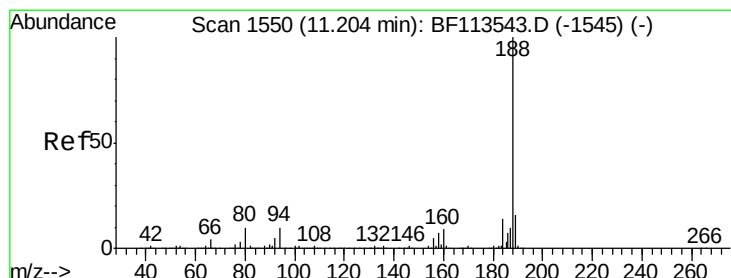
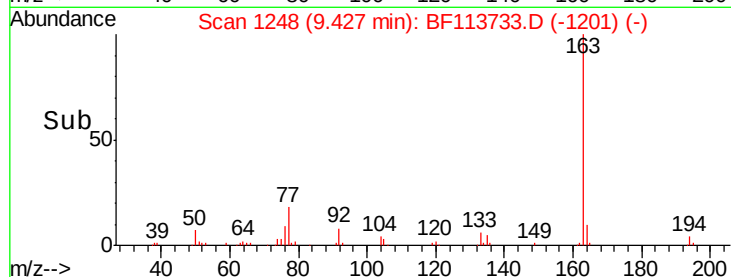
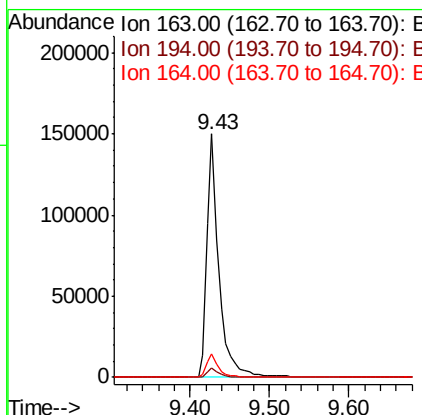
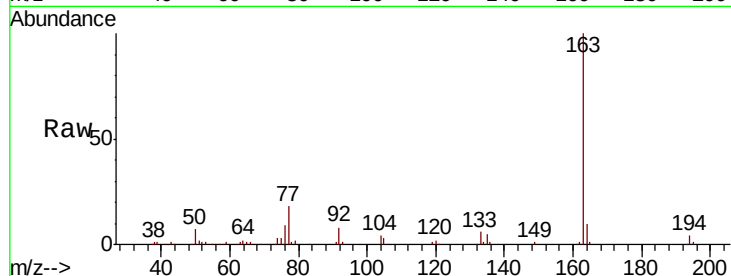
#50
Dimethylphthalate
Concen: 9.588 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113733.D
Acq: 11 Apr 2019 21:25

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	159979		
194	4.0		3.0	4.6
164	9.9		8.1	12.1

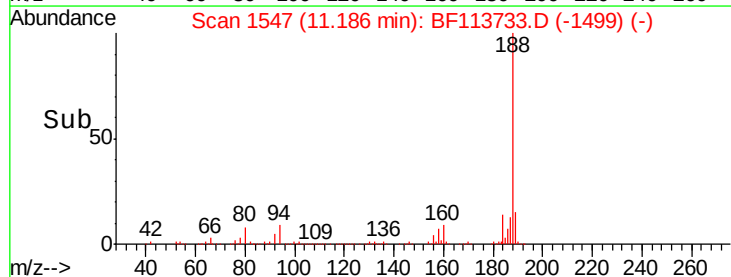
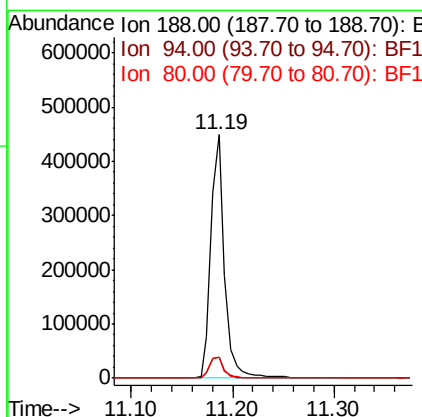
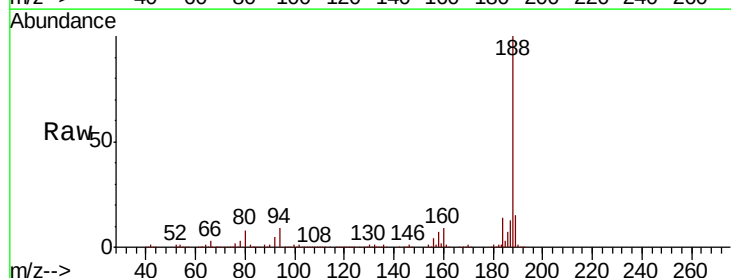
Manual Integrations
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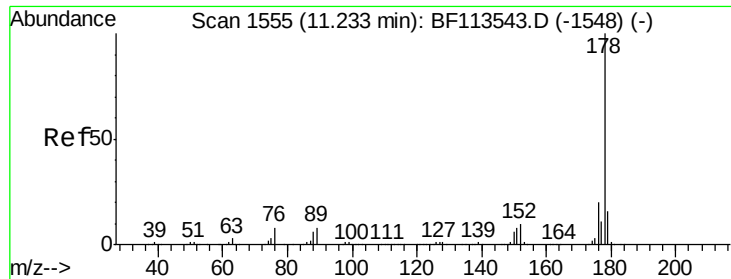
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF113733.D
Acq: 11 Apr 2019 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	419830		
94	8.5		7.0	10.6
80	8.4		7.7	11.5





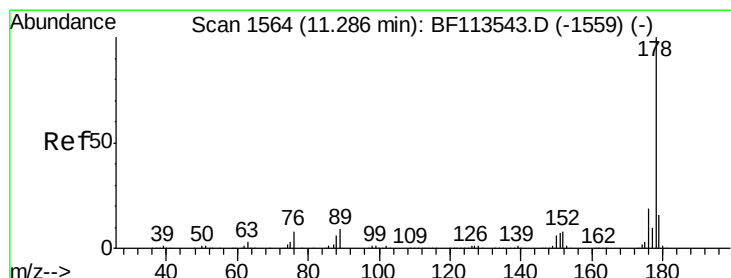
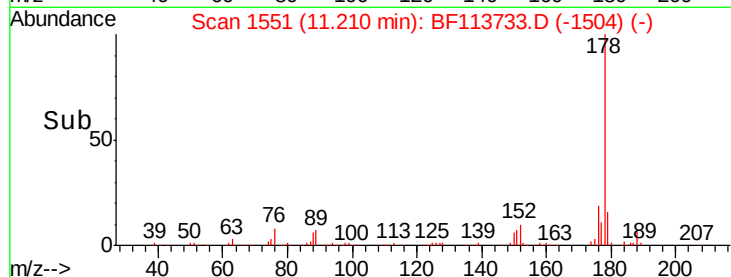
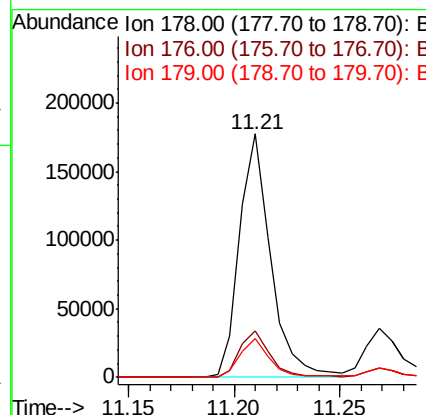
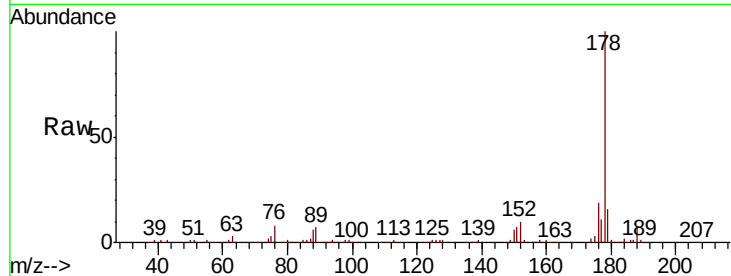
#71
Phenanthrene
Concen: 8.687 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF113733.D
Acq: 11 Apr 2019 21:25

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.2
179	15.8	12.7	19.1

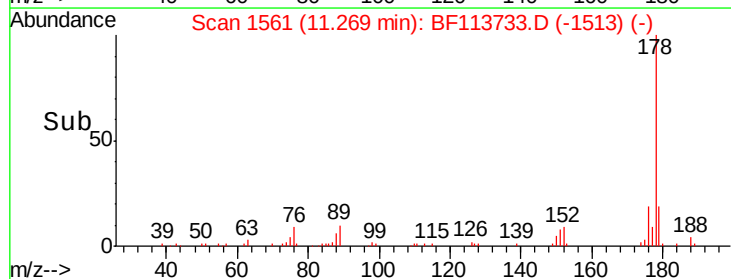
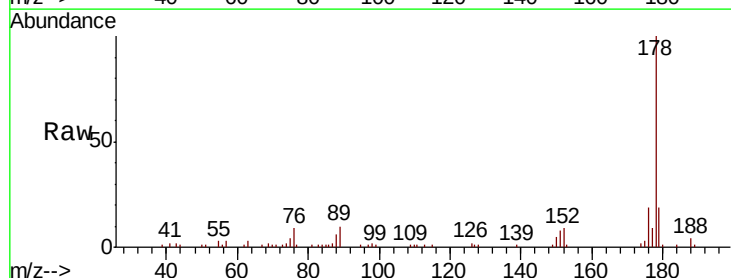
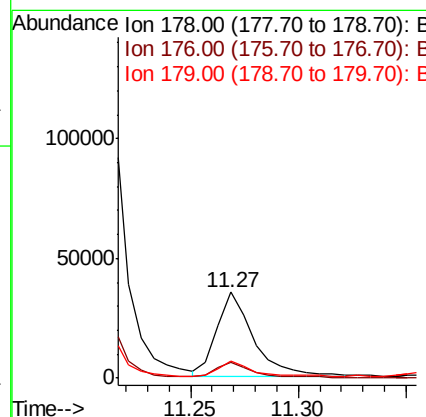
Manual Integrations
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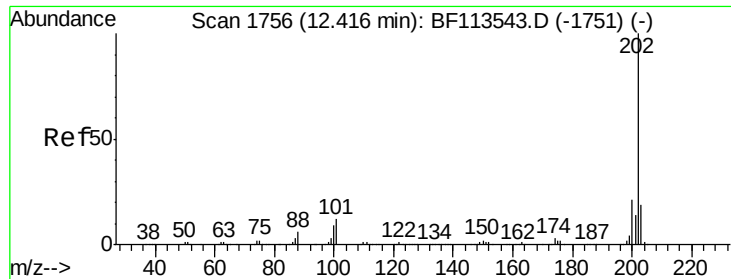
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#72
Anthracene
Concen: 2.007 ng m
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF113733.D
Acq: 11 Apr 2019 21:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	19.3	12.8	19.2#





#75

Fluoranthene

Concen: 20.291 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113733.D

Acq: 11 Apr 2019 21:25

Instrument :

BNA_F

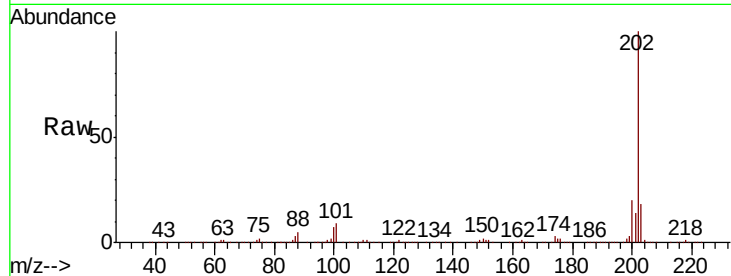
ClientSampleId :

TP-5

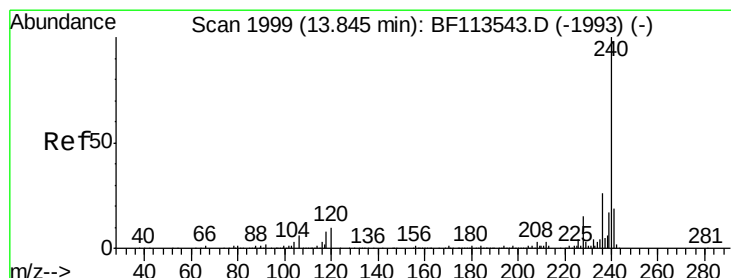
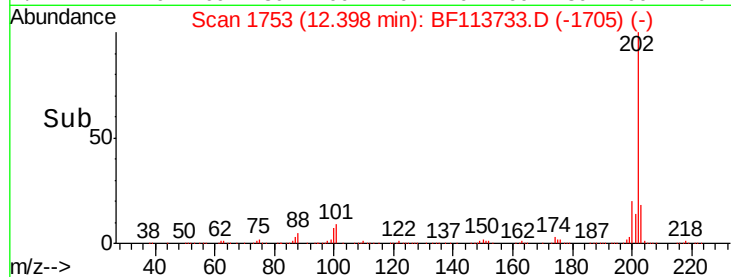
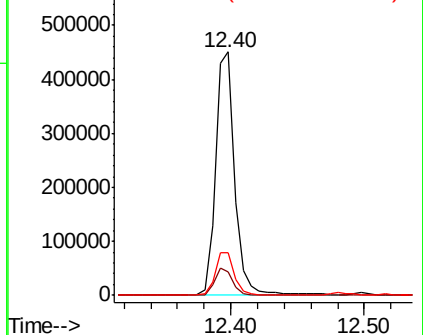
Tot Ion:	202	Resp:	453600
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	31.4
203	17.6	0.0	38.0

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: 13.82 min Scan# 1995

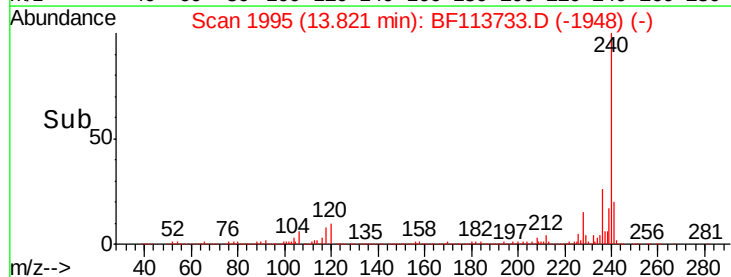
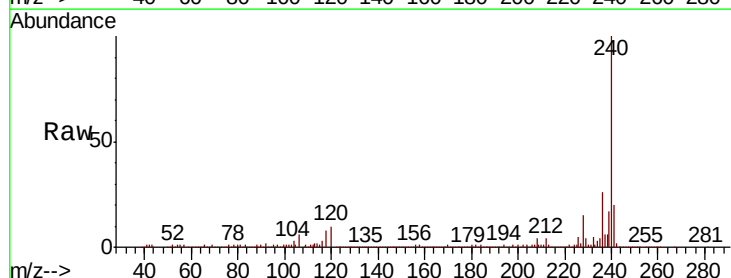
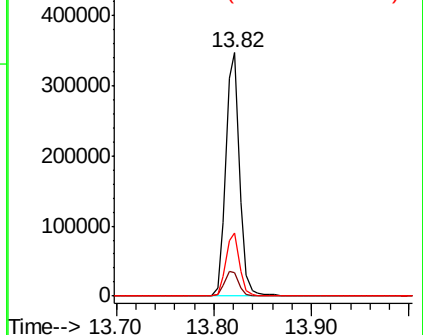
Delta R.T. -0.02 min

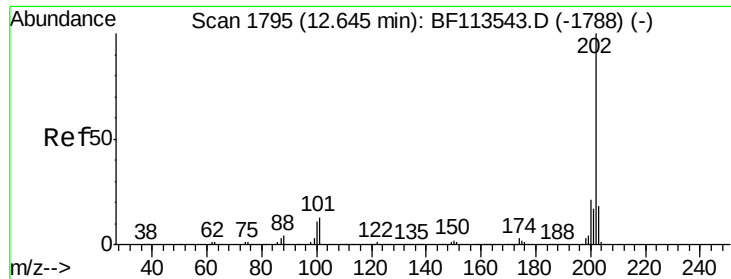
Lab File: BF113733.D

Acq: 11 Apr 2019 21:25

Tgt Ion:	240	Resp:	342328
Ion Ratio	Lower	Upper	
240	100		
120	9.6	8.8	13.2
236	26.0	20.9	31.3

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





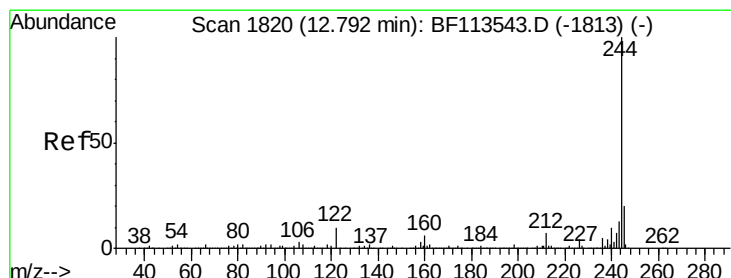
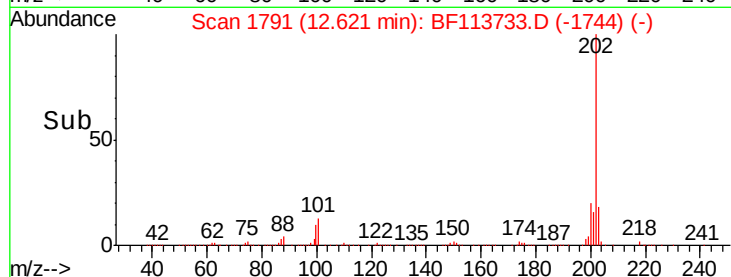
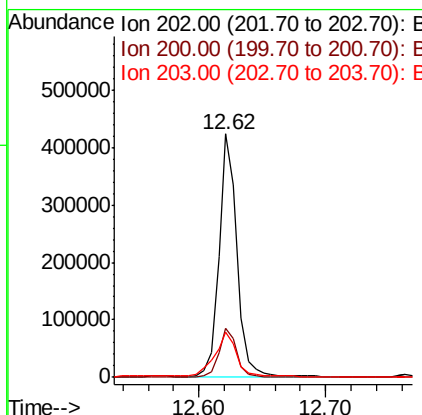
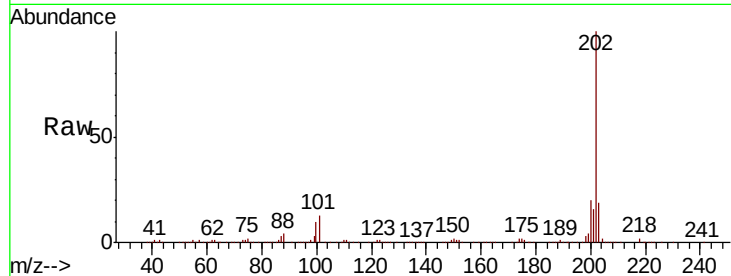
#78
Pvrene
Concen: 16.052 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.02 min
Lab File: BF113733.D
Acq: 11 Apr 2019 21:25

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.8	25.2
203	18.6	14.4	21.6

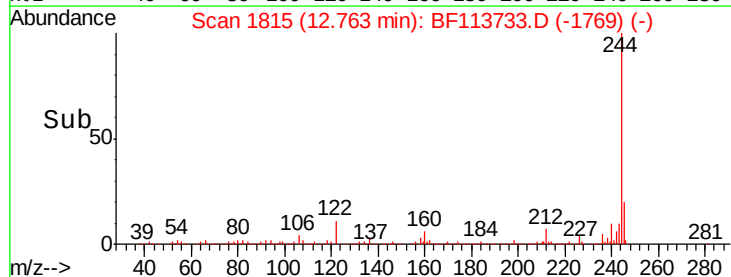
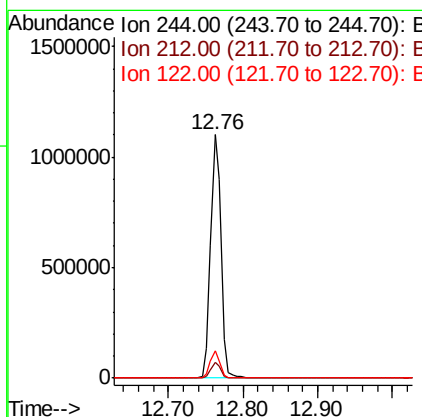
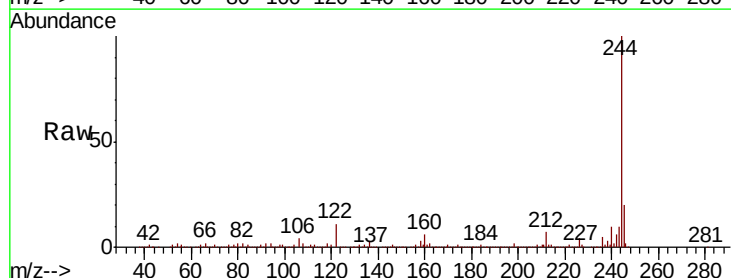
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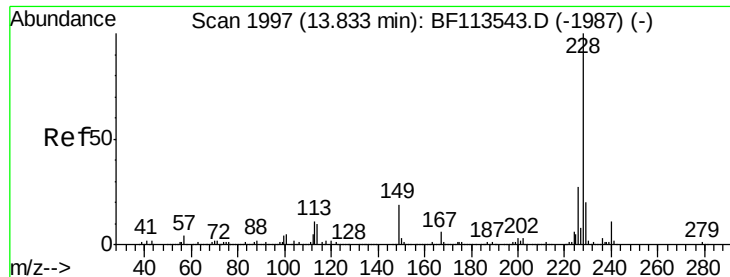
Sohil
4/12/2019 2:29:10 PM



#79
Terphenyl-d14
Concen: 62.910 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.03 min
Lab File: BF113733.D
Acq: 11 Apr 2019 21:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.5	8.3
122	11.2	8.6	13.0





#81

Benzo(a)anthracene

Concen: 14.521 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF113733.D

Acq: 11 Apr 2019 21:25

Instrument :

BNA_F

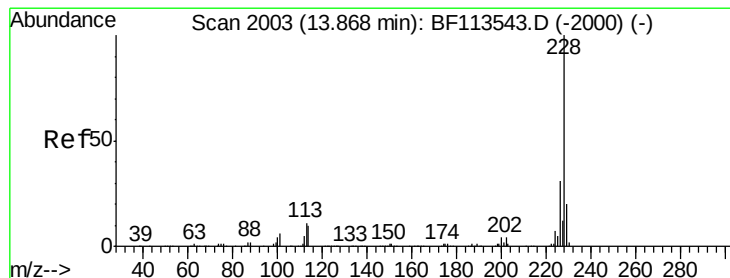
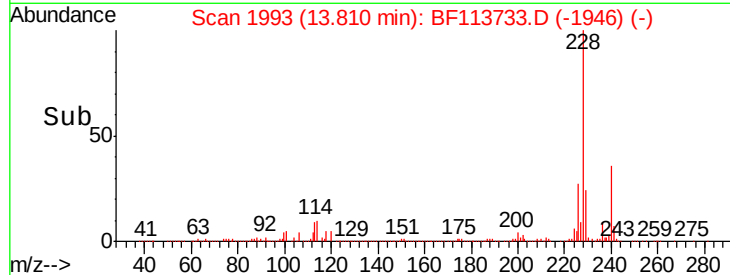
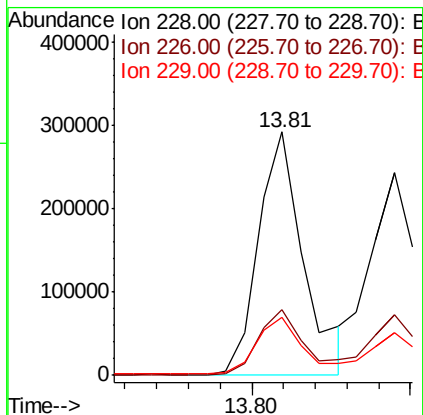
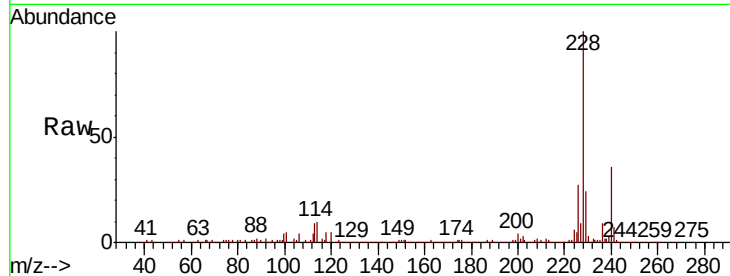
ClientSampleId :

TP-5

Tot Ion:	228	Resp:	286758
Ion Ratio	Lower	Upper	
228	100		
226	27.1	21.8	32.8
229	24.1	16.2	24.4

Manual Integrations
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#83

Chrysene

Concen: 12.632 ng

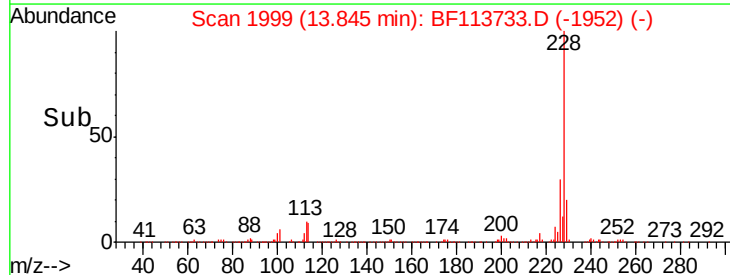
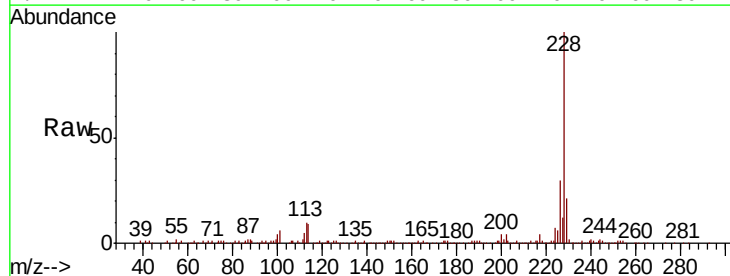
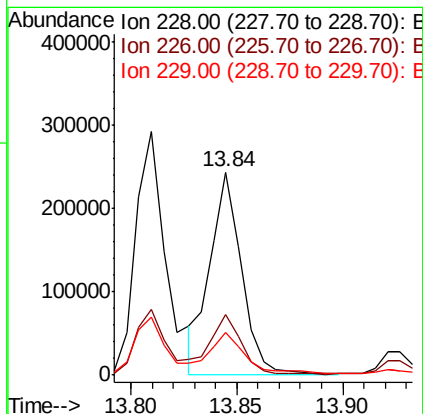
RT: 13.84 min Scan# 1999

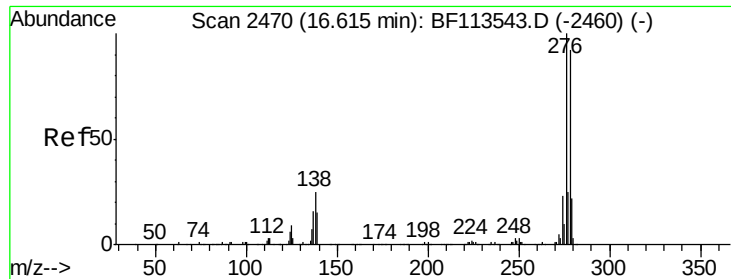
Delta R.T. -0.02 min

Lab File: BF113733.D

Acq: 11 Apr 2019 21:25

Tgt Ion:	228	Resp:	252878
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.3	36.5
229	20.9	16.3	24.5





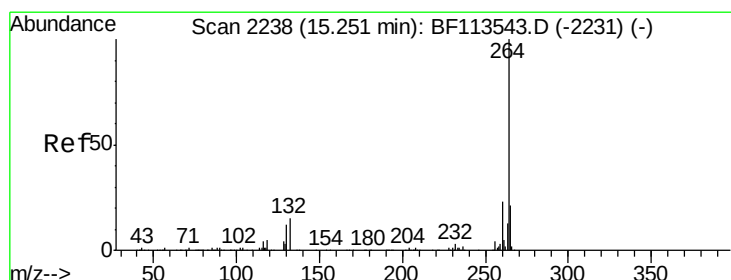
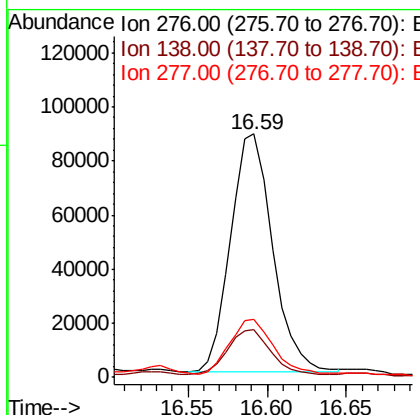
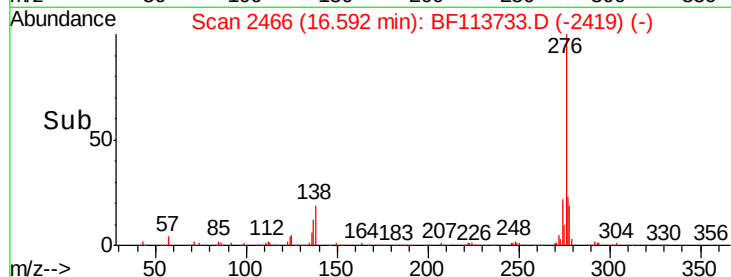
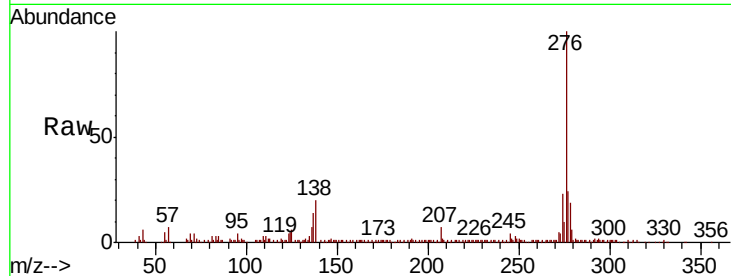
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.778 ng
 RT: 16.59 min Scan# 2466
 Delta R.T. -0.02 min
 Lab File: BF113733.D
 Acq: 11 Apr 2019 21:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tot Ion:	276	Resp:	162238
Ion Ratio	Lower	Upper	
276	100		
138	20.4	18.1	27.1
277	23.3	20.2	30.4

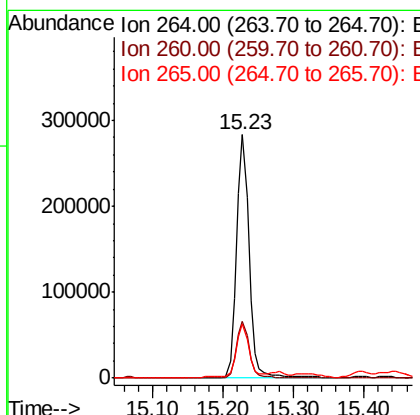
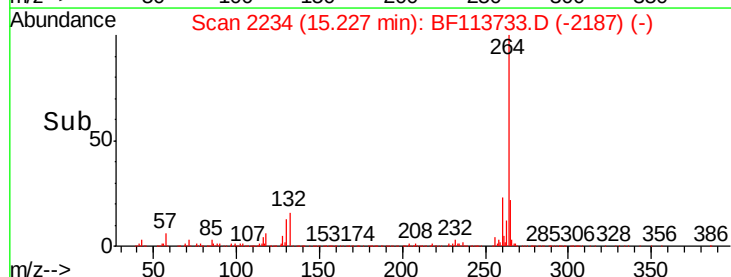
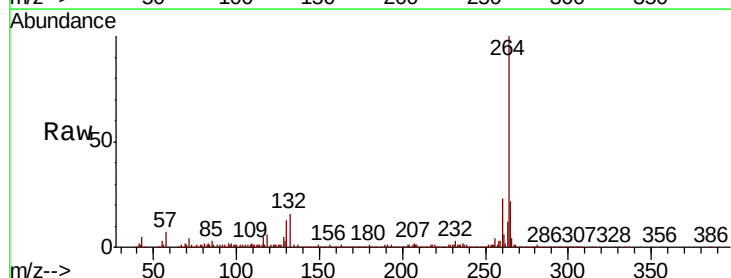
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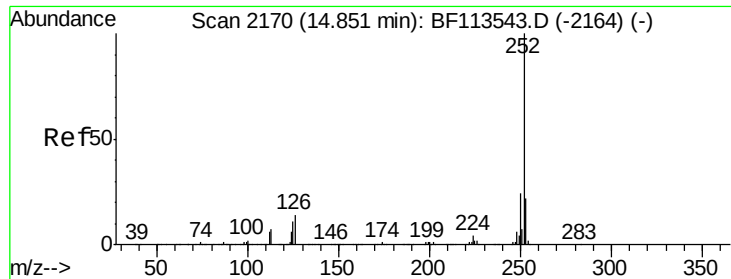
Sohil
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. -0.02 min
 Lab File: BF113733.D
 Acq: 11 Apr 2019 21:25

Tgt Ion:	264	Resp:	348108
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.1	28.7
265	22.0	17.1	25.7





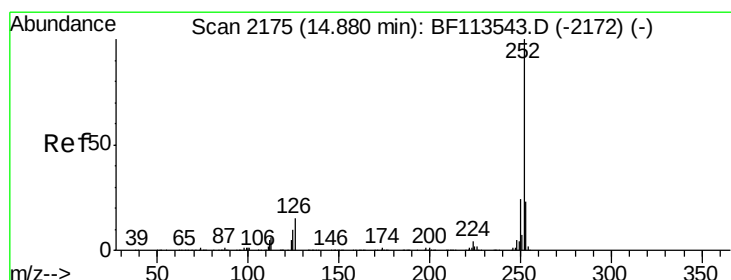
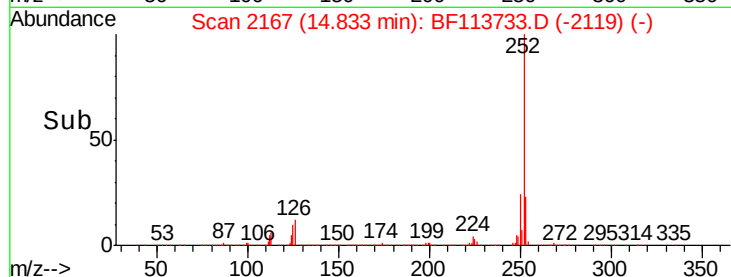
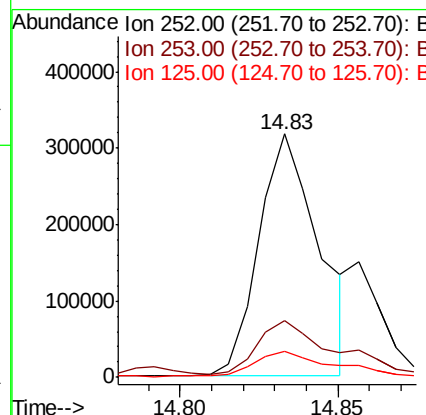
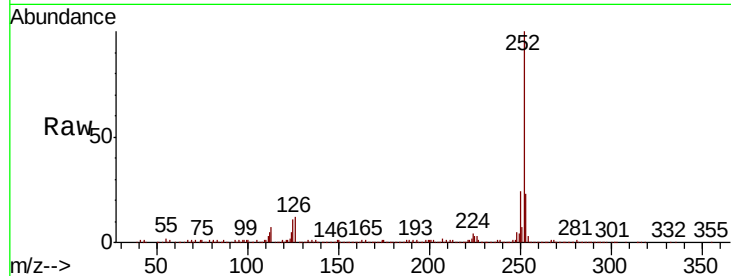
#88
Benzo(b)fluoranthene
Concen: 19.676 ng m
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF113733.D
Acq: 11 Apr 2019 21:25

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	10.6	7.6	11.4

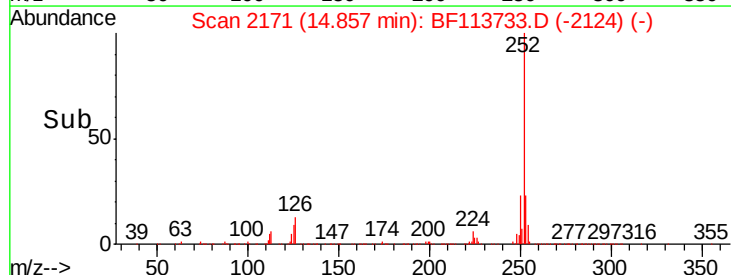
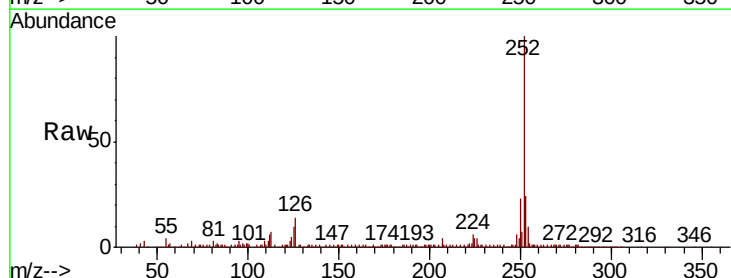
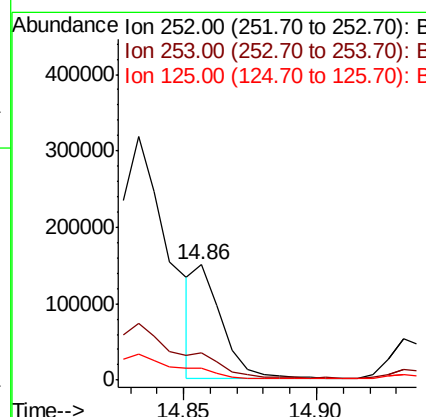
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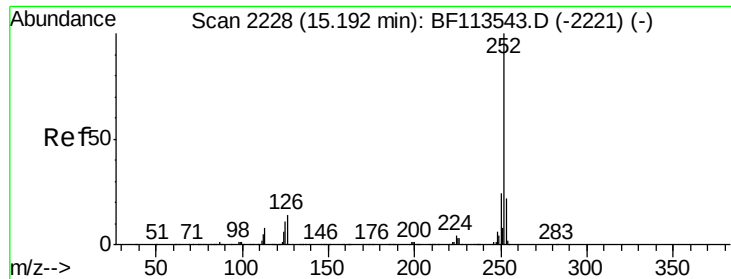
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#89
Benzo(k)fluoranthene
Concen: 5.733 ng m
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF113733.D
Acq: 11 Apr 2019 21:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	10.1	7.3	10.9





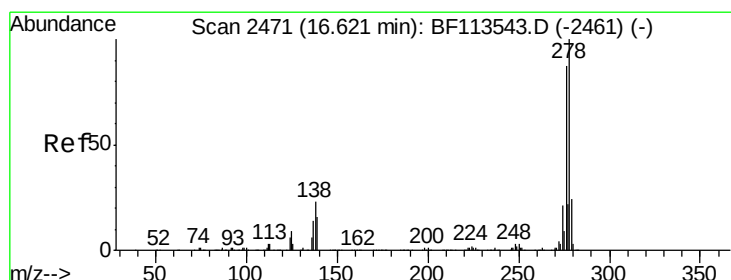
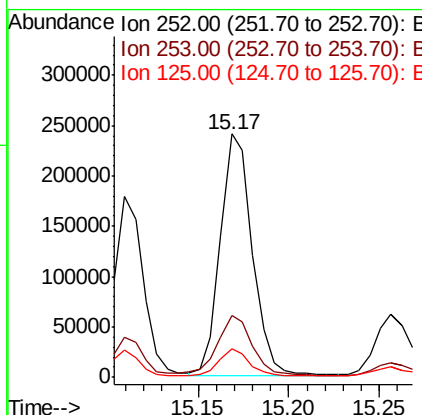
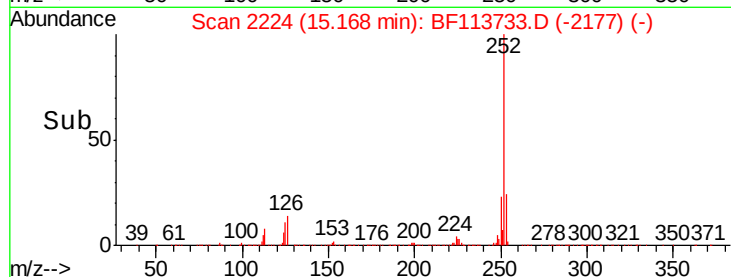
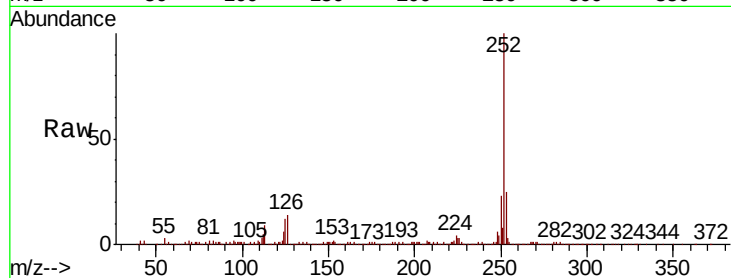
#90
Benzo(a)pyrene
Concen: 15.731 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF113733.D
Acq: 11 Apr 2019 21:25

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.9	26.9
125	11.7	8.8	13.2

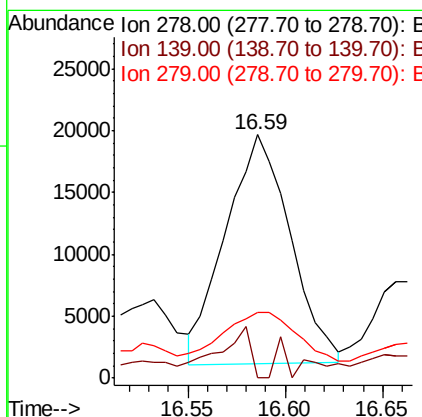
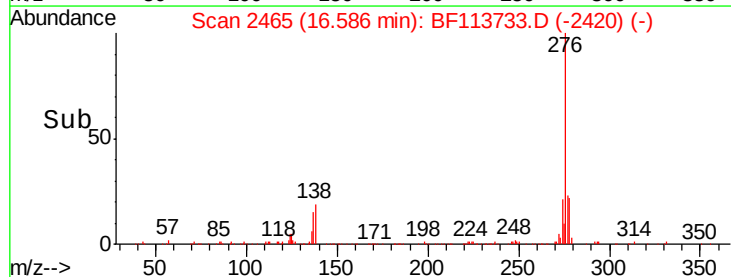
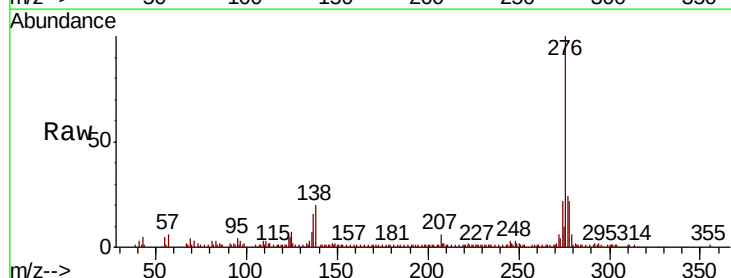
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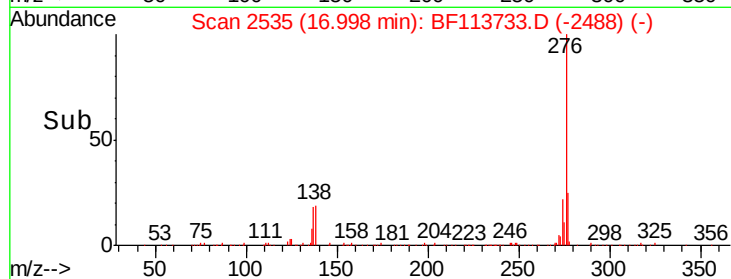
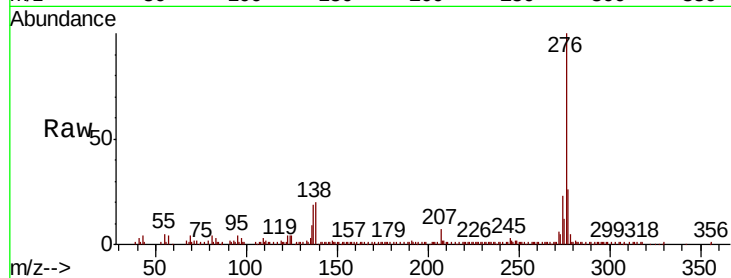
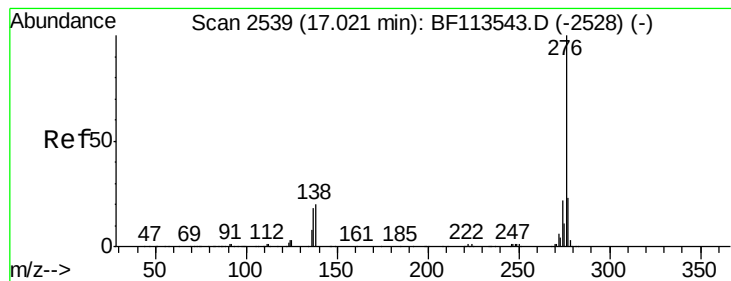
Sohil
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#91
Dibenzo(a,h)anthracene
Concen: 2.405 ng
RT: 16.59 min Scan# 2465
Delta R.T. -0.04 min
Lab File: BF113733.D
Acq: 11 Apr 2019 21:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	27.2	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 8.832 ng
 RT: 17.00 min Scan# 2535
 Delta R.T. -0.02 min
 Lab File: BF113733.D
 Acq: 11 Apr 2019 21:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.8	28.2
138	20.4	15.6	23.4

Manual Integrations
 APPROVED

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