

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
 Data File : BF112020.D
 Acq On : 11 Jan 2019 17:28
 Operator : JU/SJ
 Sample : K1062-01RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-(1-10)-COMP

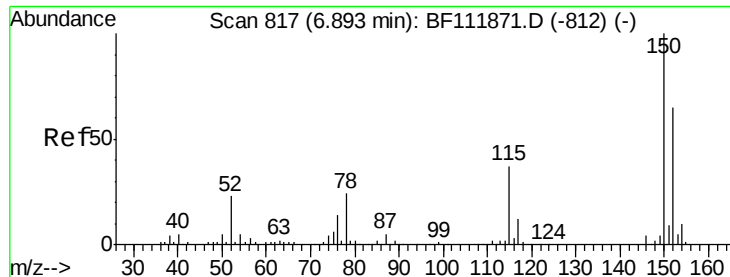
Manual Integrations
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Sohil
 1/14/2019 4:10:18 PM

Quant Time: Jan 11 22:58:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 11 21:37:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	104981	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	378345	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	169669	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	283032	20.00	ng	0.00
76) Chrysene-d12	14.04	240	270286	20.00	ng	0.00
87) Perylene-d12	15.53	264	191746	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	513160	83.63	ng	0.00
7) Phenol-d6	6.52	99	659252	83.35	ng	0.00
23) Nitrobenzene-d5	7.43	82	421182	59.50	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	160742	72.84	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	665749	57.22	ng	0.00
79) Terphenyl-d14	12.98	244	594540	41.75	ng	0.00
Target Compounds						
10) Phenol	6.53	94	29716	3.457	ng	Qvalue # 76
50) Dimethylphthalate	9.62	163	68810	5.399	ng	99
71) Phenanthrene	11.42	178	262368	17.338	ng	98
72) Anthracene	11.47	178	49096	3.196	ng	97
73) Carbazole	11.62	167	31988	2.141	ng	99
75) Fluoranthene	12.61	202	381144	24.535	ng	99
78) Pyrene	12.84	202	319641	17.187	ng	99
80) Butylbenzylphthalate	13.45	149	24154	3.072	ng	94
81) Benzo(a)anthracene	14.03	228	186015	11.958	ng	99
83) Chrysene	14.06	228	181506	12.238	ng	96
84) Bis(2-ethylhexyl)phthalate	14.01	149	54124	5.242	ng	99
86) Indeno(1,2,3-cd)pyrene	17.01	276	59906	5.540	ng	96
88) Benzo(b)fluoranthene	15.09	252	184236m	16.062	ng	
89) Benzo(k)fluoranthene	15.12	252	57899m	5.370	ng	
90) Benzo(a)pyrene	15.46	252	105689	10.479	ng	98
91) Dibenzo(a,h)anthracene	17.02	278	16894	2.083	ng	# 78
92) Benzo(a,h,i)perylene	17.46	276	58740	7.404	ng	# 94

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



#1

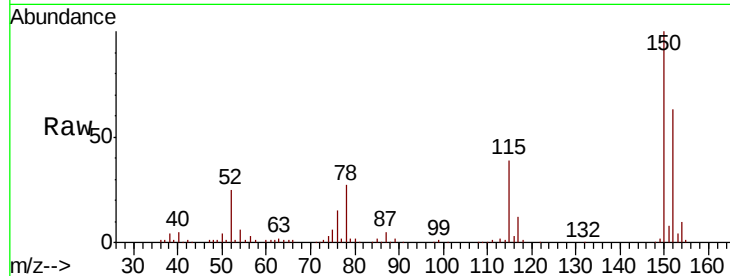
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	122.7	184.1
115	61.6	45.2	67.8

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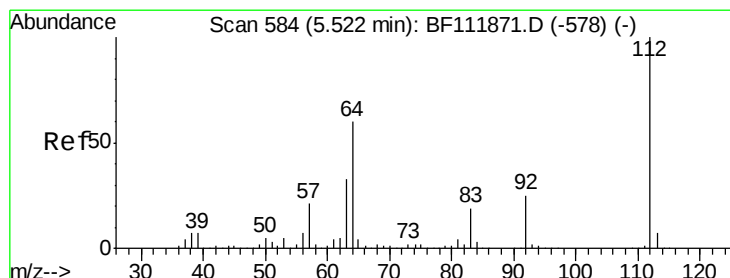
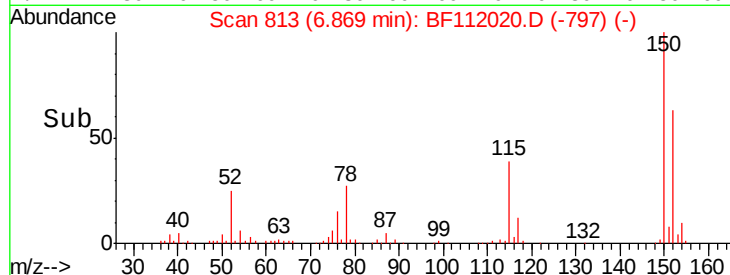
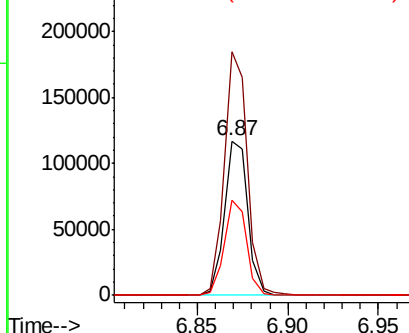


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

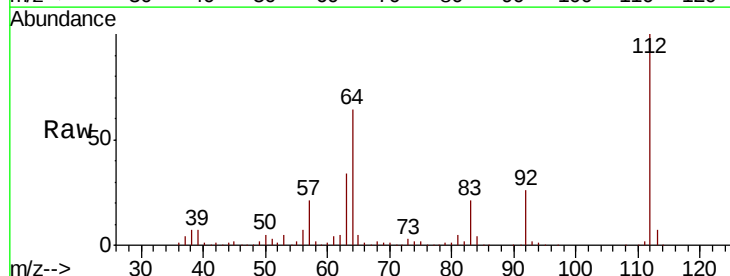
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 83.627 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	48.3	72.5
63	34.2	26.1	39.1

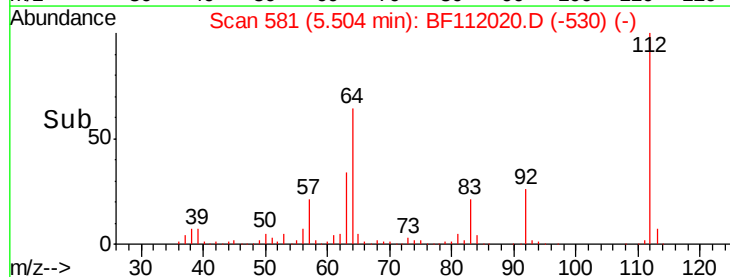
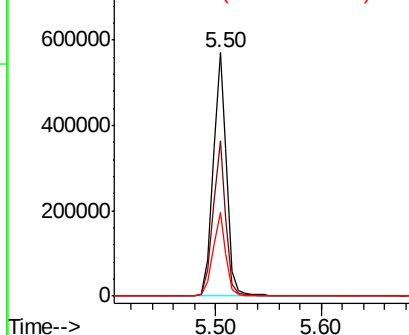


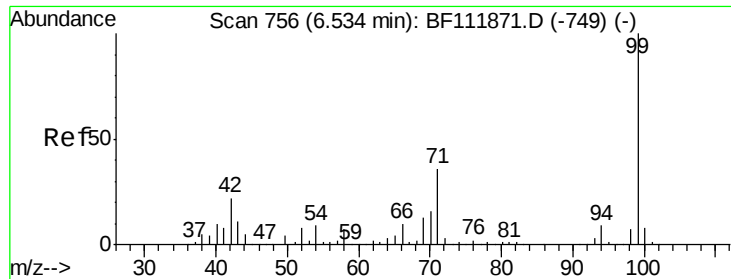
Abundance

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: 83.355 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF112020.D

Acq: 11 Jan 2019 17:28

Instrument :

BNA_F

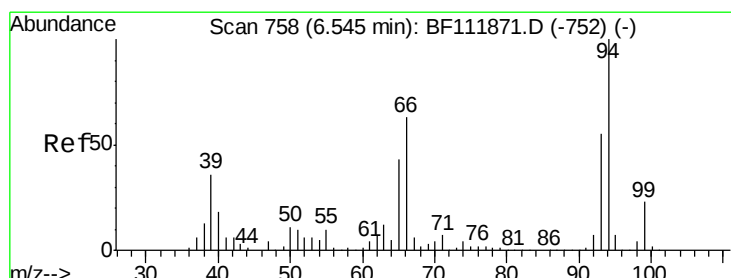
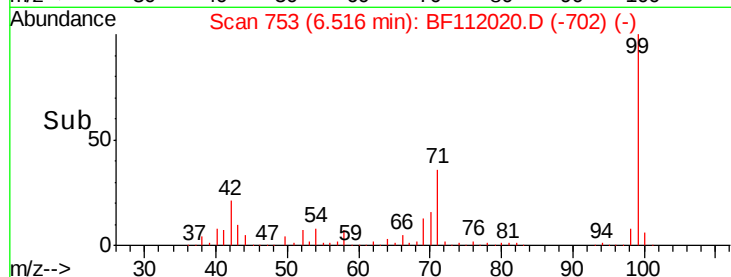
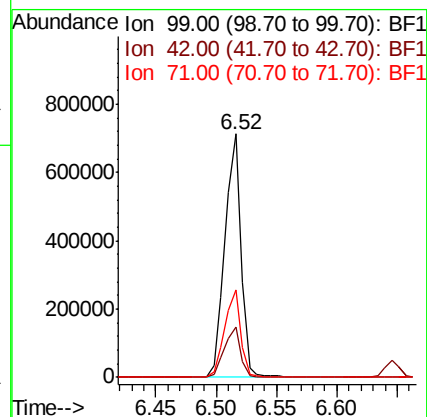
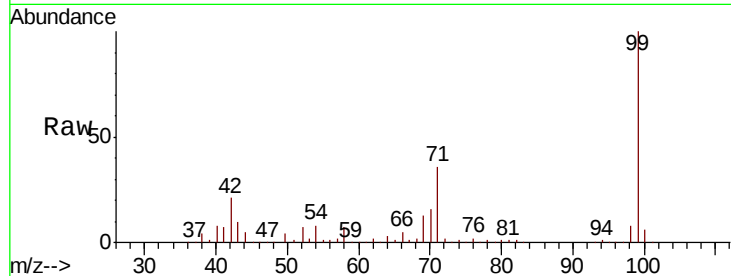
ClientSampleId :

TP-(1-10)-COMP

Tot Ion:	99	Resp:	659252
Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.9	26.9
71	36.0	28.7	43.1

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#10

Phenol

Concen: 3.457 ng

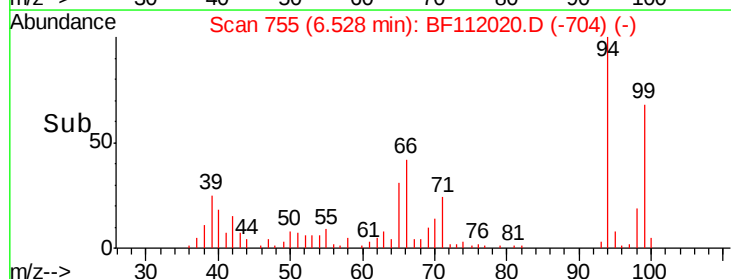
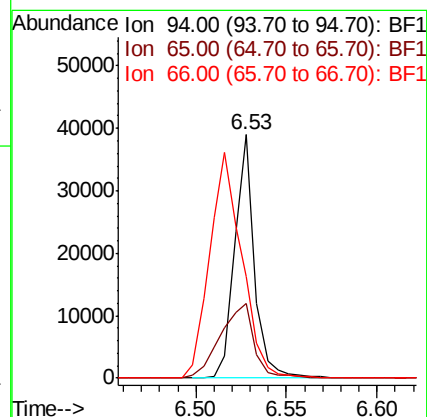
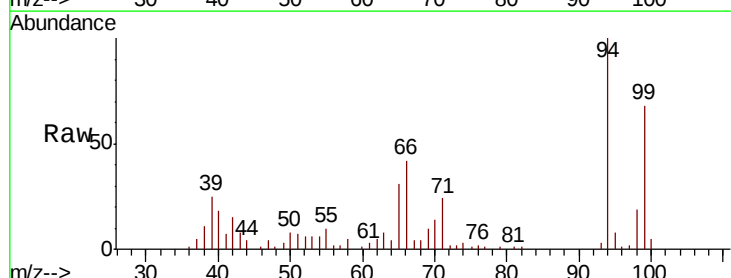
RT: 6.53 min Scan# 755

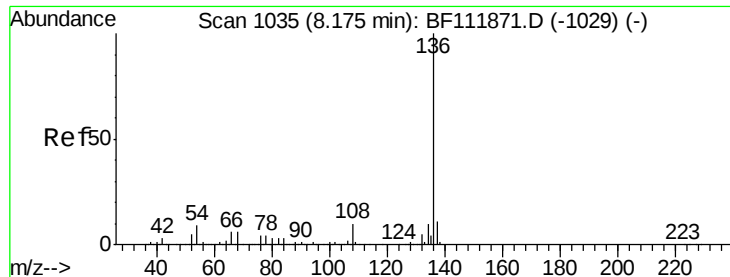
Delta R.T. -0.00 min

Lab File: BF112020.D

Acq: 11 Jan 2019 17:28

Tgt Ion:	94	Resp:	29716
Ion	Ratio	Lower	Upper
94	100		
65	30.5	22.8	62.8
66	41.6	43.3	83.3#





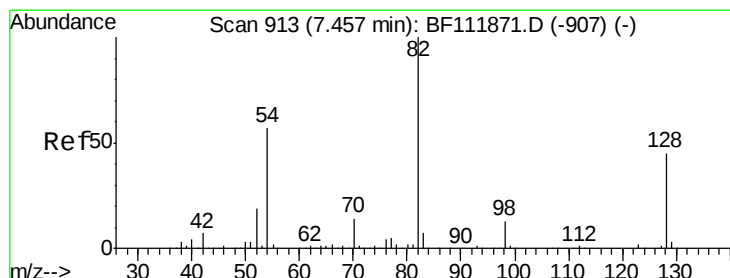
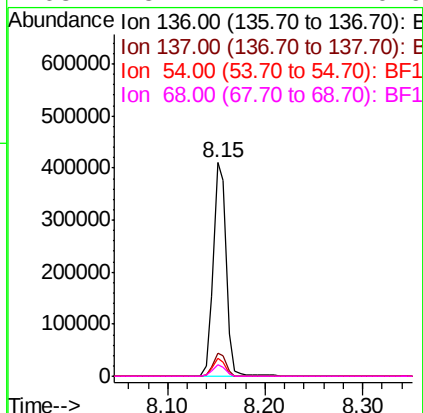
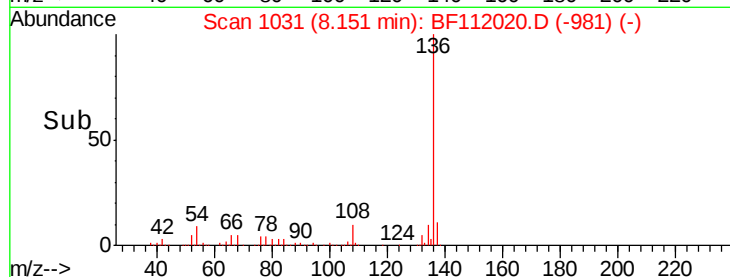
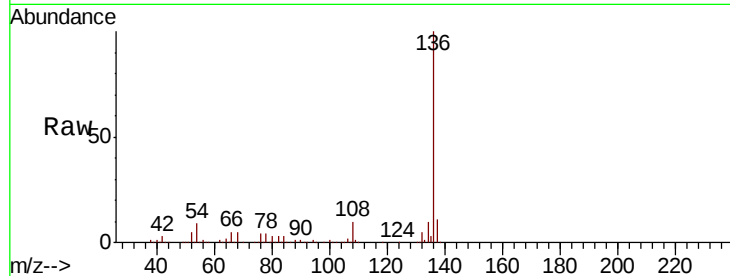
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	8.7	7.2	10.8
68	5.4	4.4	6.6

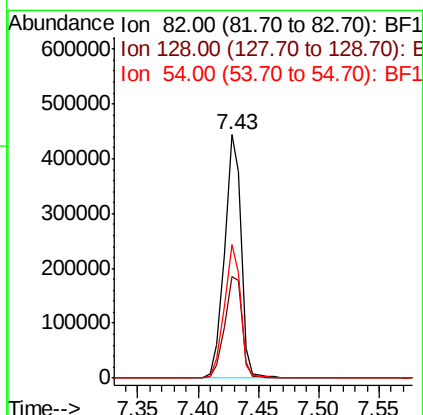
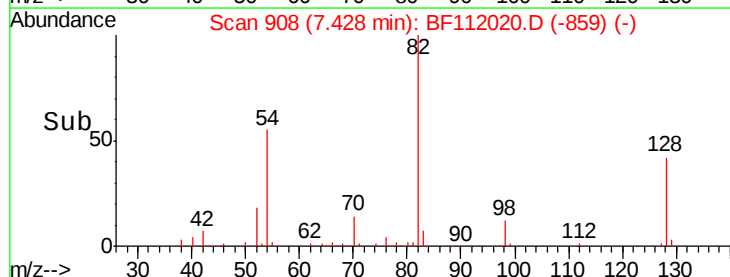
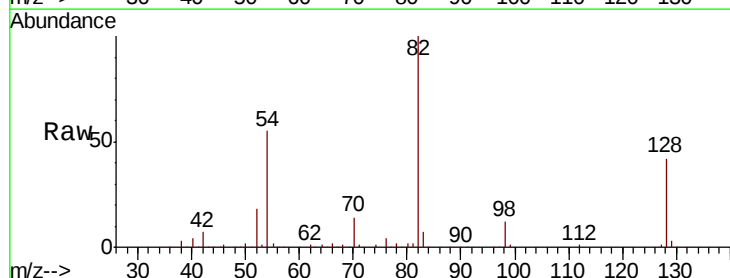
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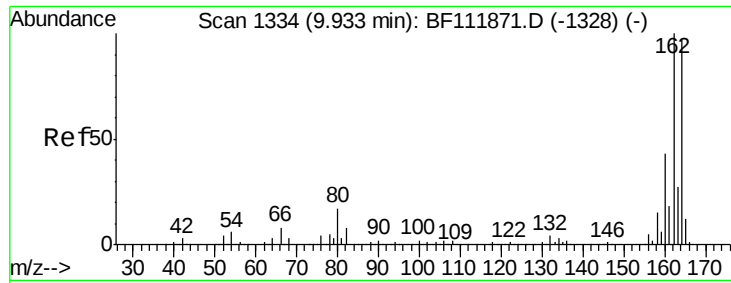
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#23
Nitrobenzene-d5
Concen: 59.496 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.6	35.7	53.5
54	54.9	45.8	68.8





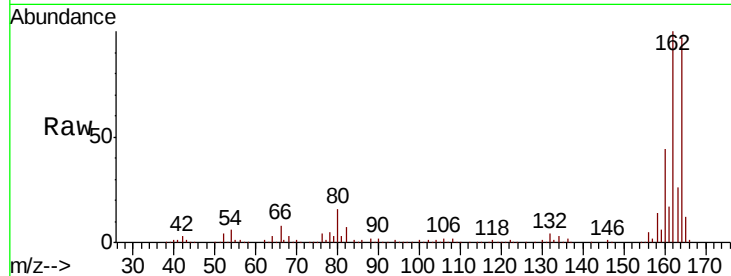
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.5	82.2	123.2	
160	45.8	35.5	53.3	

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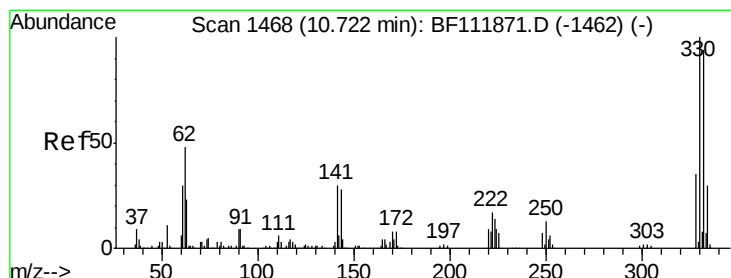
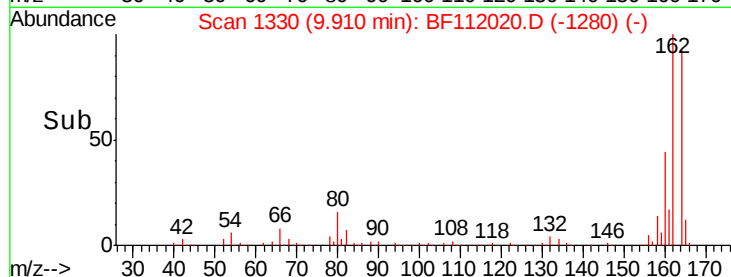
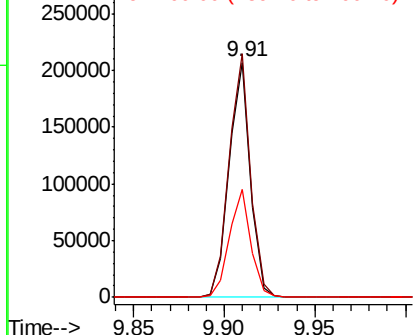


Abundance

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: 72.837 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

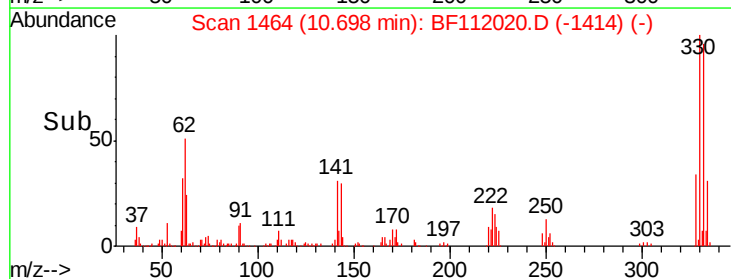
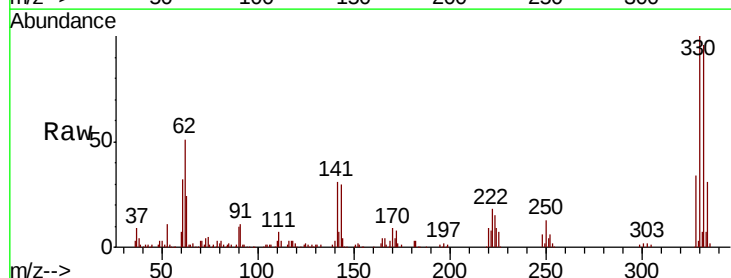
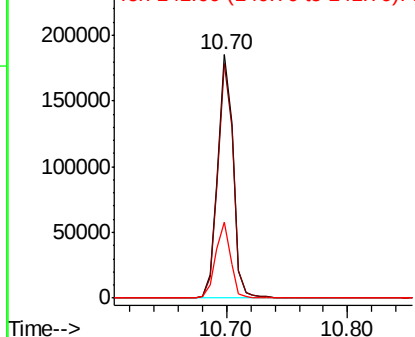
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	76.9	115.3	
141	30.3	23.7	35.5	

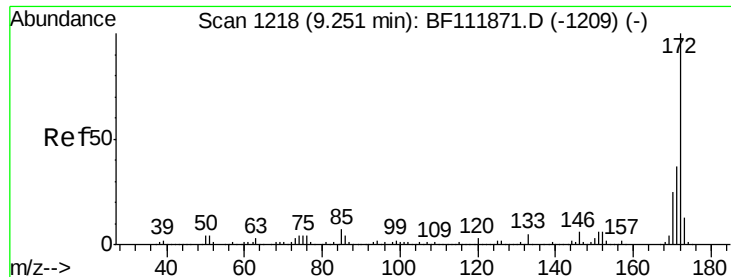
Abundance

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





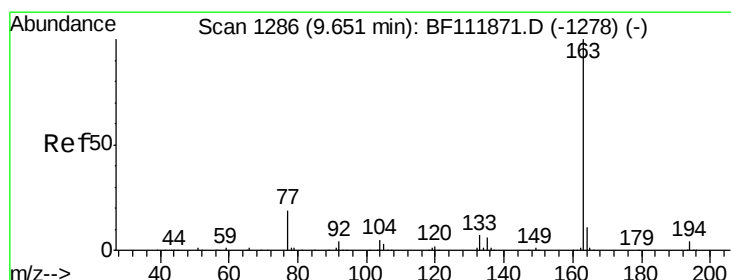
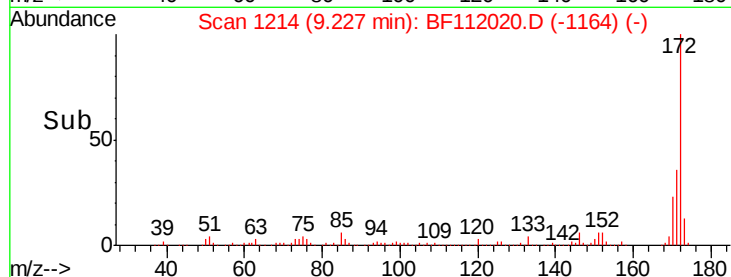
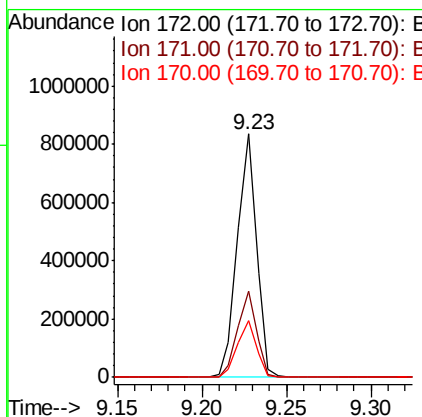
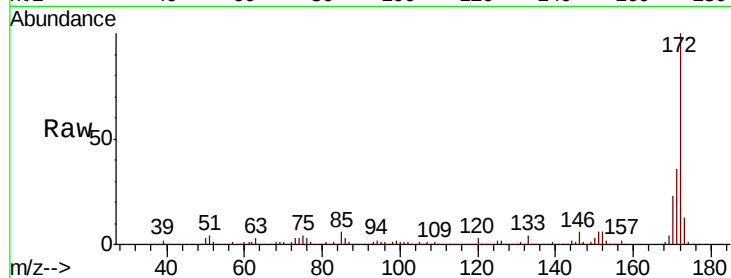
#45
2-Fluorobiphenyl
Concen: 57.217 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.5	19.8	29.8

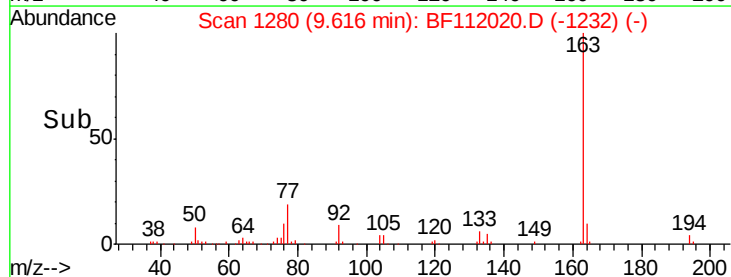
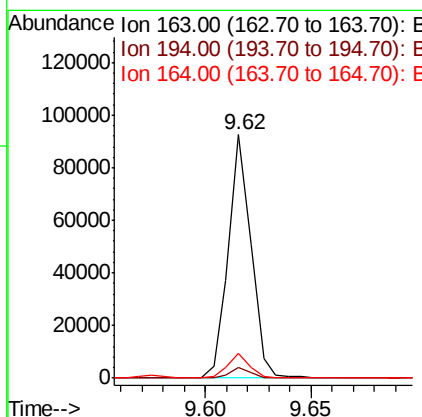
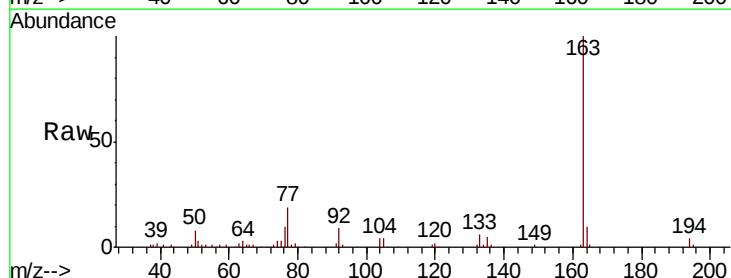
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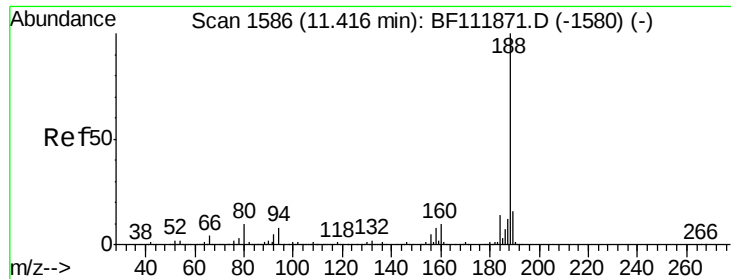
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#50
Dimethylphthalate
Concen: 5.399 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.2	8.5	12.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF112020.D

Acq: 11 Jan 2019 17:28

Instrument :

BNA_F

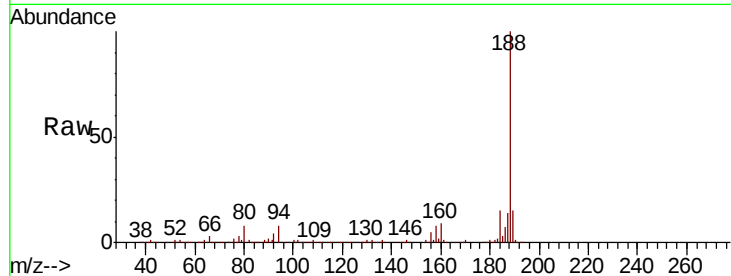
ClientSampleId :

TP-(1-10)-COMP

Tot Ion:	188	Resp:	283032
Ion Ratio	Lower	Upper	
188	100		
94	7.6	6.6	10.0
80	7.8	7.7	11.5

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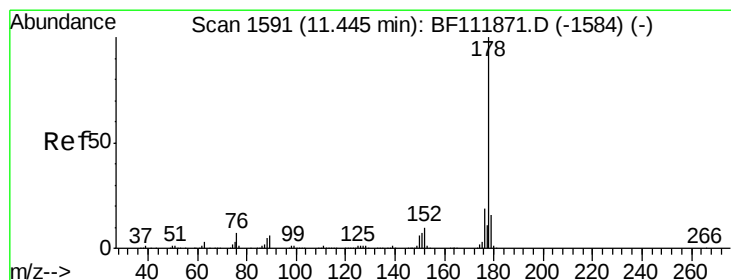
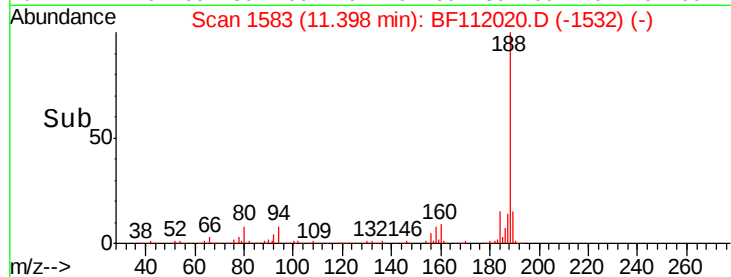
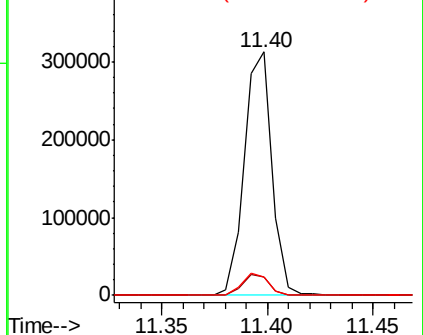
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 17.338 ng

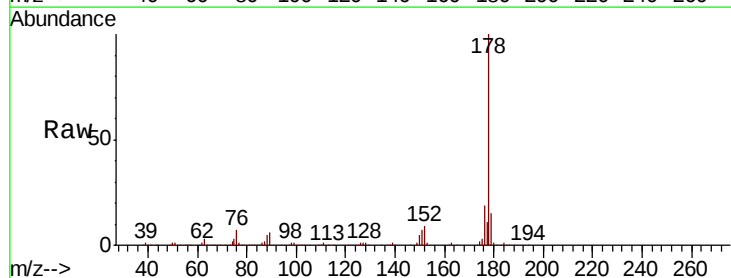
RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF112020.D

Acq: 11 Jan 2019 17:28

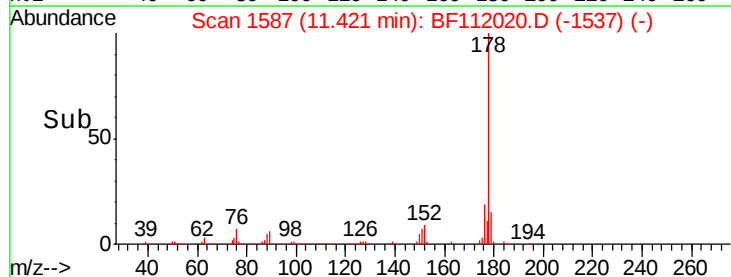
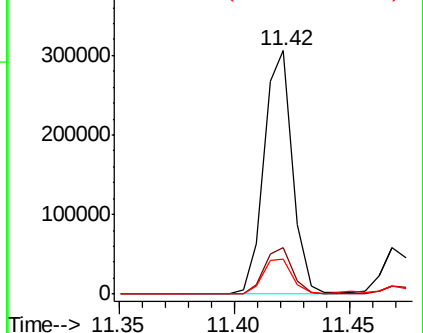
Tgt Ion:	178	Resp:	262368
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.6	23.4
179	14.6	12.6	18.8

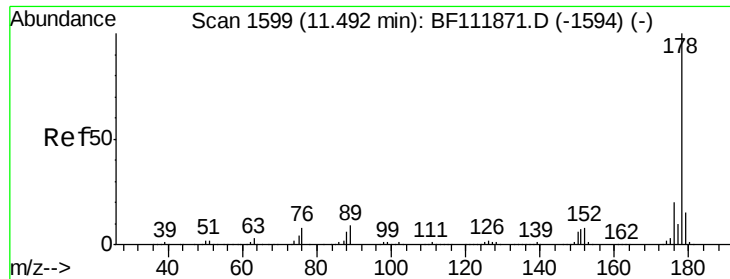


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.196 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF112020.D

Acq: 11 Jan 2019 17:28

Instrument :

BNA_F

ClientSampleId :

TP-(1-10)-COMP

Tot Ion:178 Resp: 49096

Ion Ratio Lower Upper

178 100

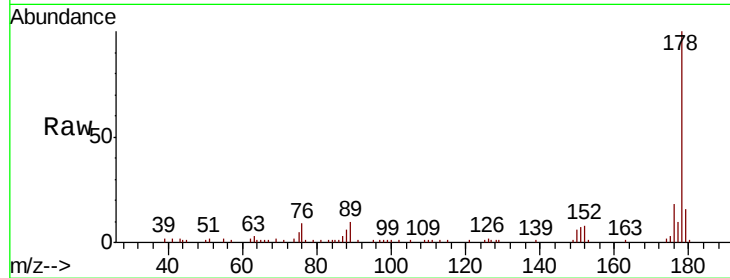
176 18.0 15.7 23.5

179 16.2 12.4 18.6

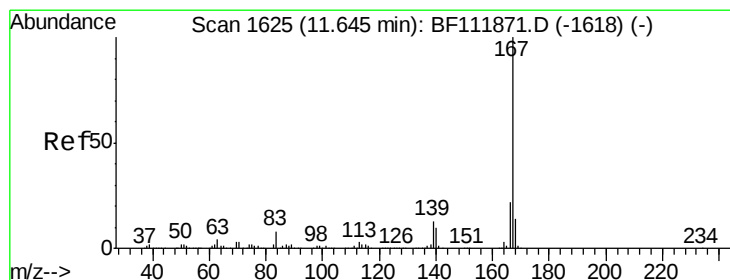
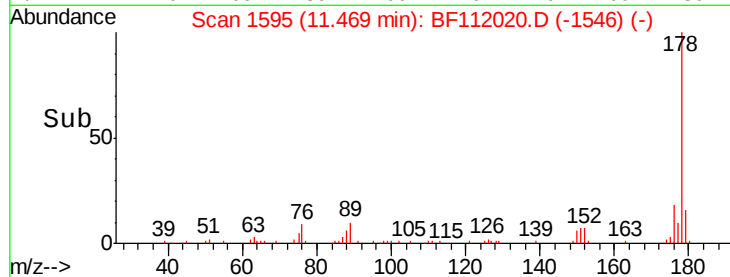
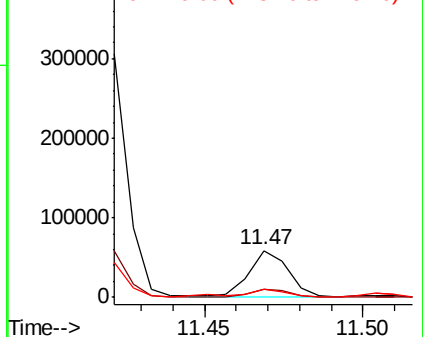
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 2.141 ng

RT: 11.62 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BF112020.D

Acq: 11 Jan 2019 17:28

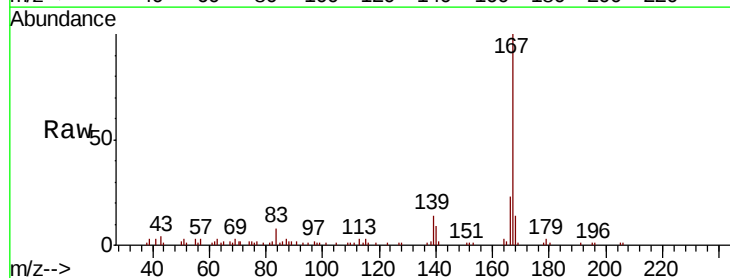
Tgt Ion:167 Resp: 31988

Ion Ratio Lower Upper

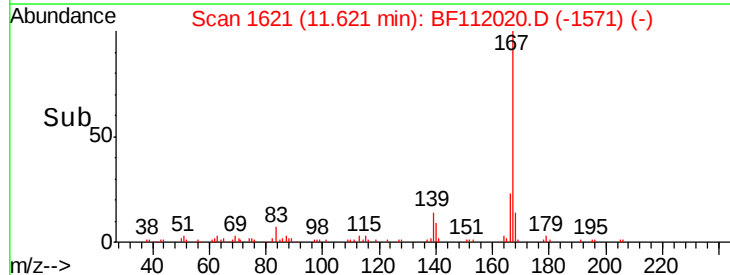
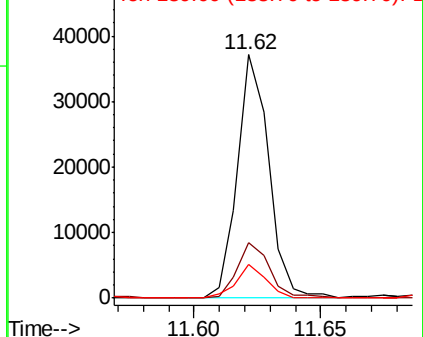
167 100

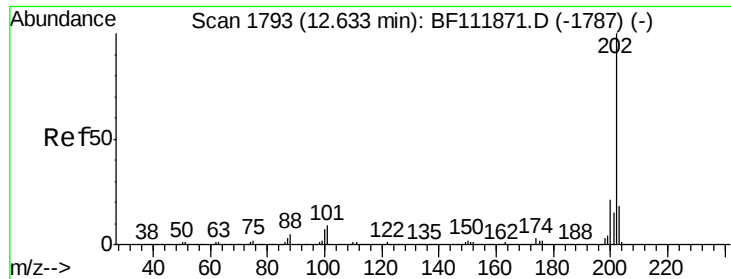
166 22.7 17.8 26.6

139 13.6 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 24.535 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF112020.D

Acq: 11 Jan 2019 17:28

Instrument :

BNA_F

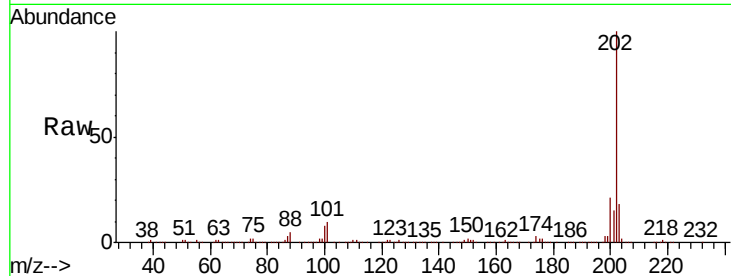
ClientSampleId :

TP-(1-10)-COMP

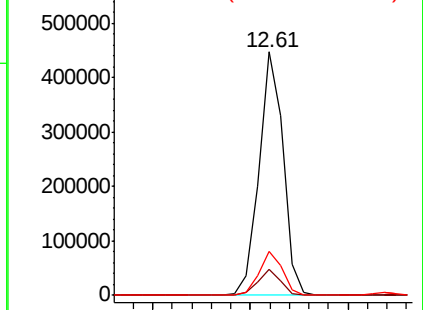
Tot Ion:	202	Resp:	381144
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	29.3
203	17.9	0.0	37.6

Manual Integrations
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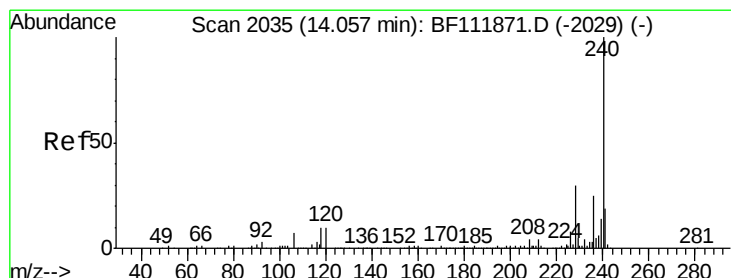
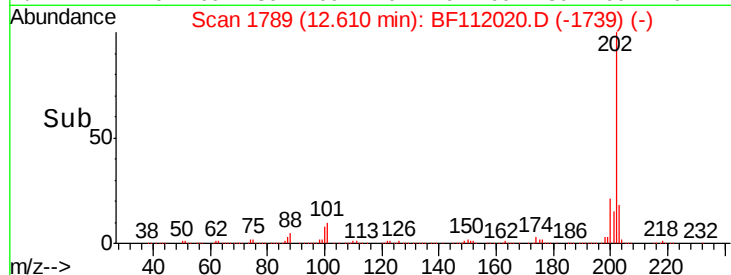
Sohil
1/14/2019 4:10:18 PM



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



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

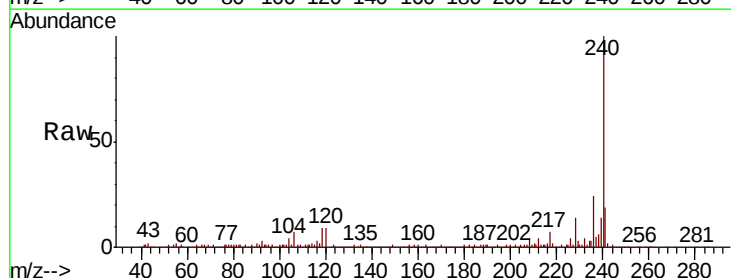
RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

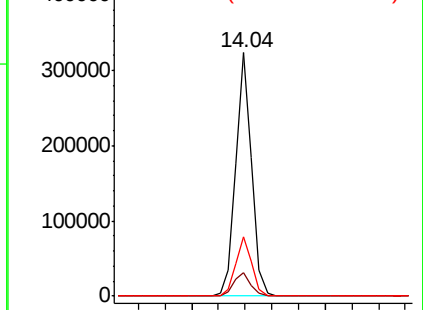
Lab File: BF112020.D

Acq: 11 Jan 2019 17:28

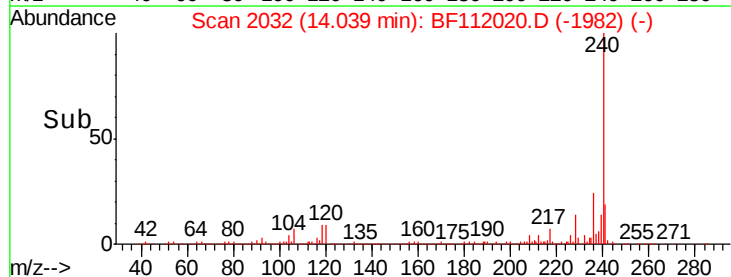
Tgt Ion:	240	Resp:	270286
Ion Ratio	Lower	Upper	
240	100		
120	9.4	8.2	12.2
236	24.4	20.2	30.4

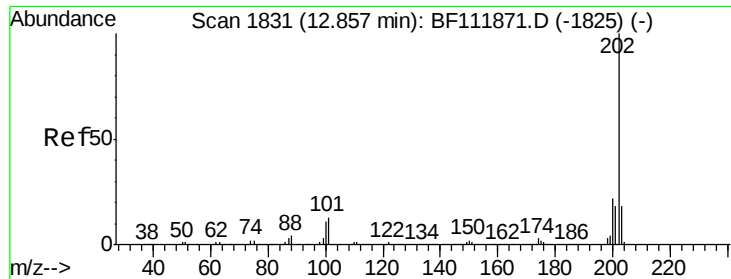


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





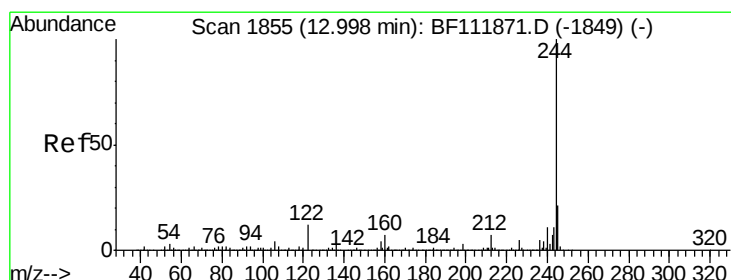
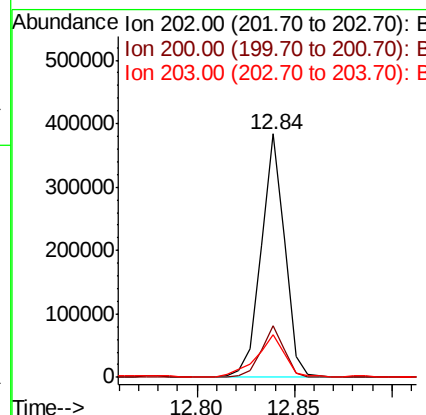
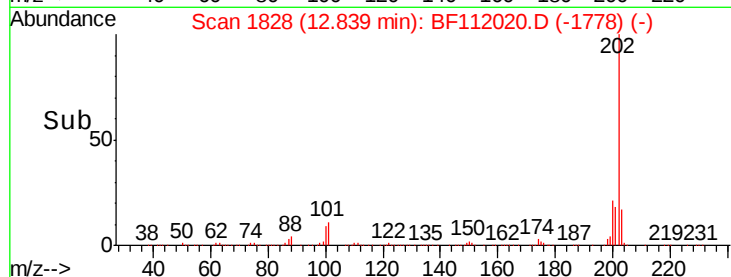
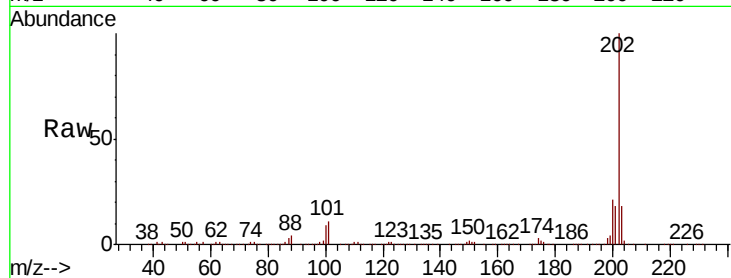
#78
Pvrene
Concen: 17.187 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.6	14.6	21.8

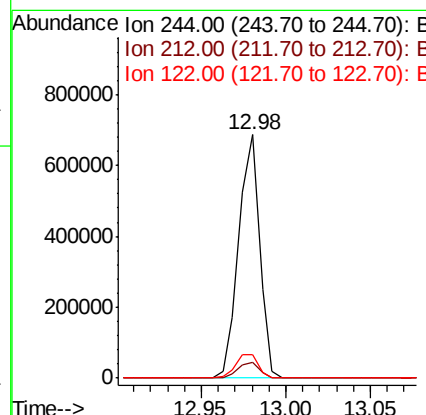
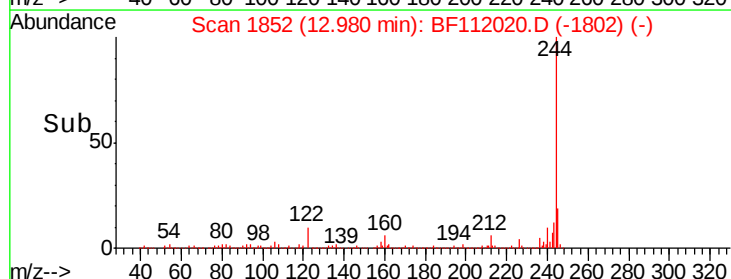
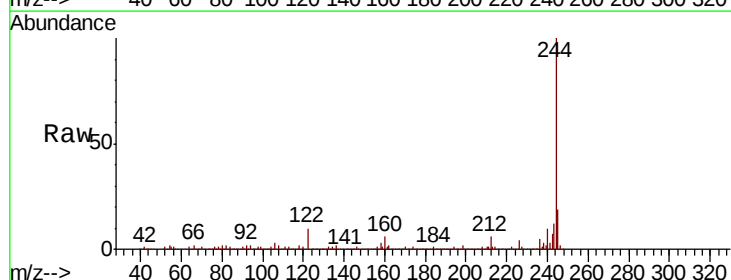
Manual Integrations
APPROVED

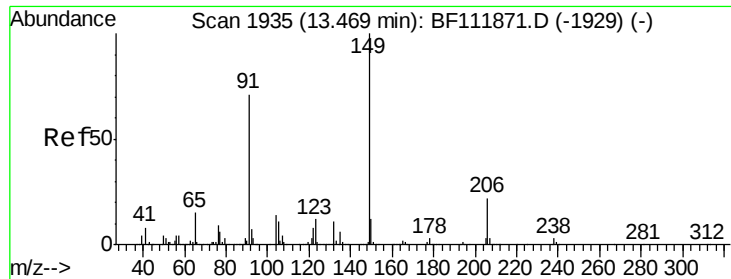
Sohil
1/14/2019 4:10:18 PM



#79
Terphenyl-d14
Concen: 41.755 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	9.6	9.5	14.3





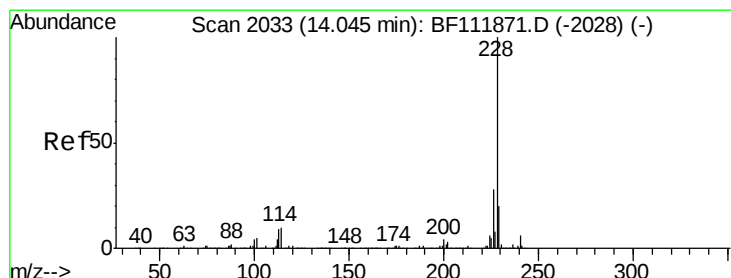
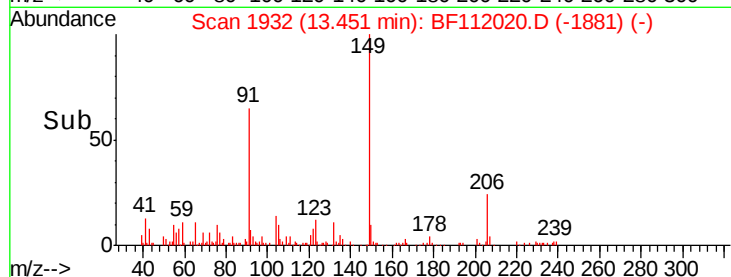
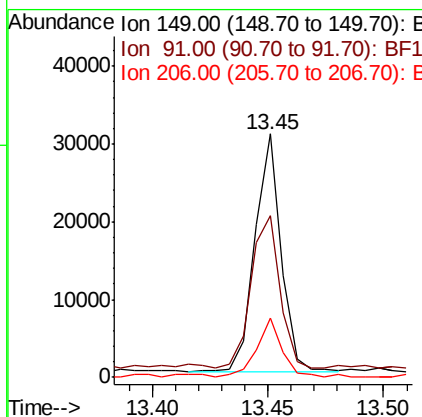
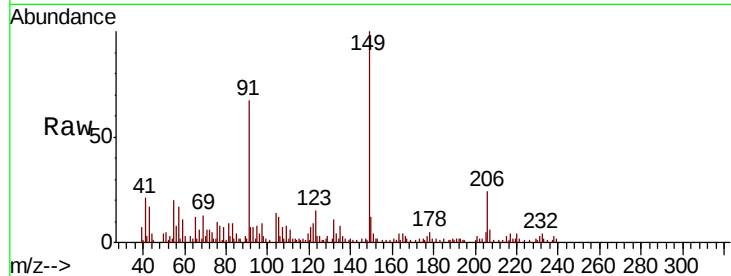
#80
Butylbenzylphthalate
Concen: 3.072 ng
RT: 13.45 min Scan# 1932
Delta R.T. -0.00 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Tot Ion	Ratio	Lower	Upper
149	100		
91	66.6	57.2	85.8
206	24.3	17.3	25.9

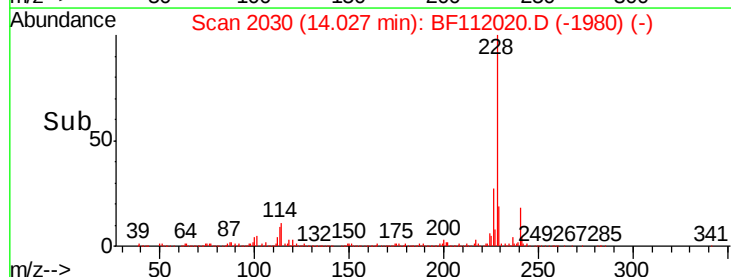
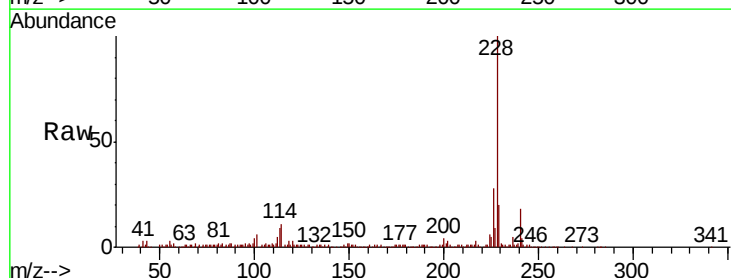
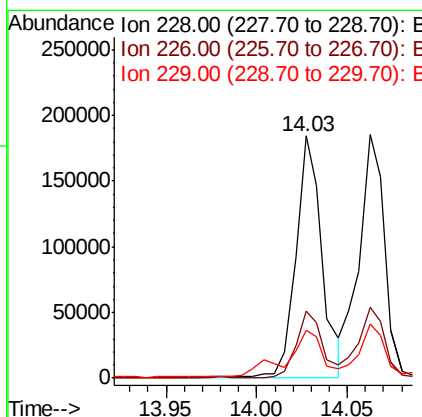
Manual Integrations
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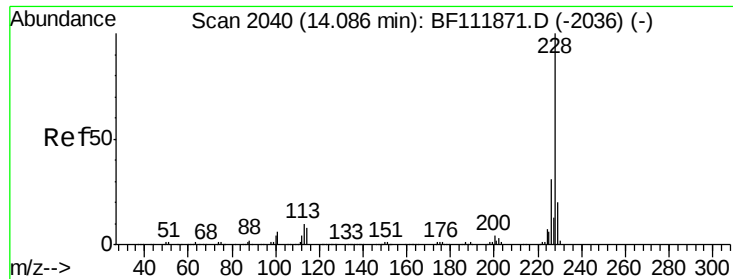
Sohil
1/14/2019 4:10:18 PM



#81
Benzo(a)anthracene
Concen: 11.958 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	19.6	16.2	24.2





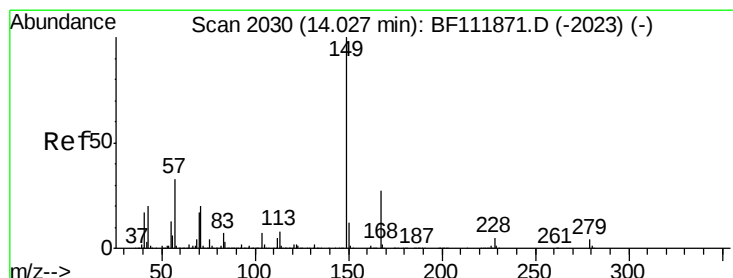
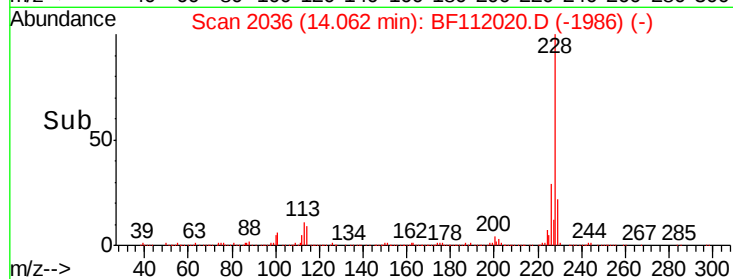
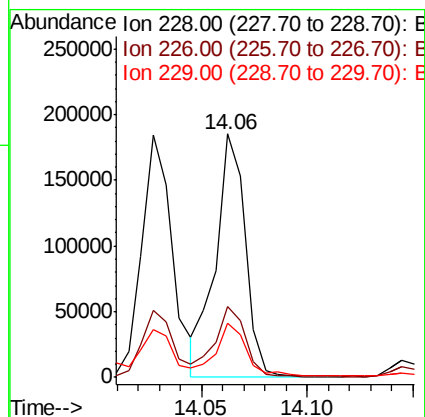
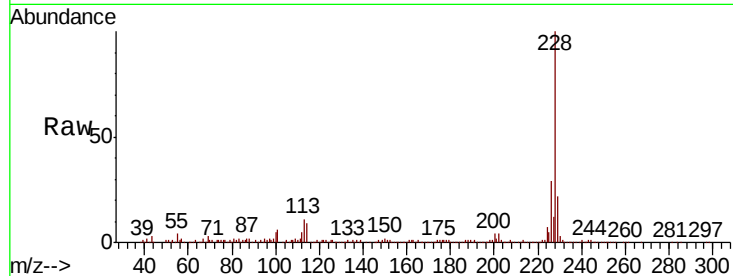
#83
Chrysene
Concen: 12.238 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Instrument :
BNA_F
ClientSampled :
TP-(1-10)-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.6	37.0
229	22.2	15.7	23.5

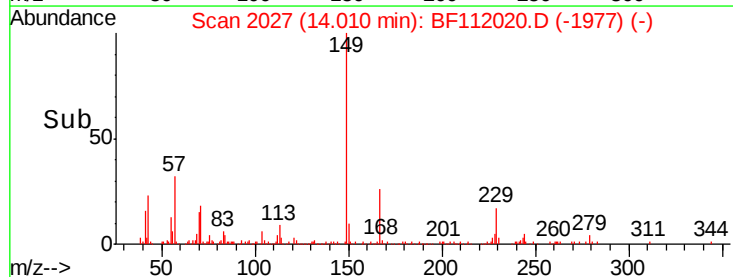
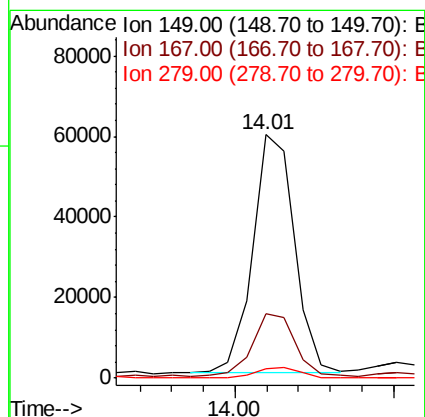
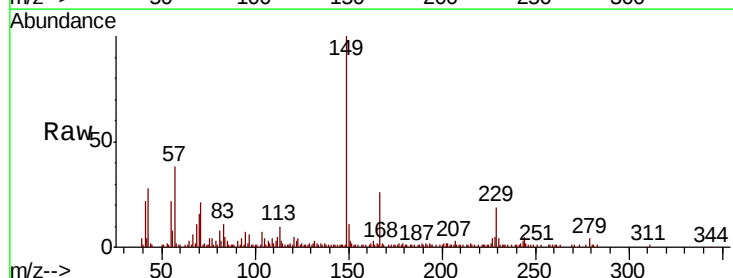
Manual Integrations
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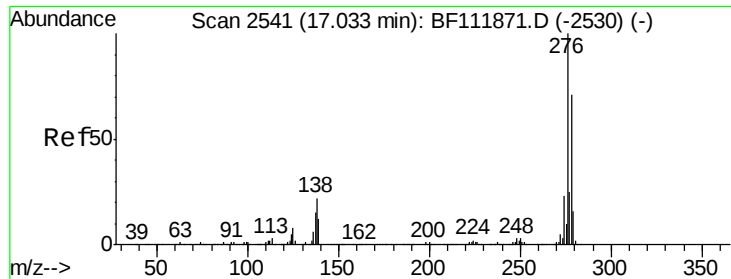
Sohil
1/14/2019 4:10:18 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.242 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.5	32.3
279	4.0	3.0	4.6





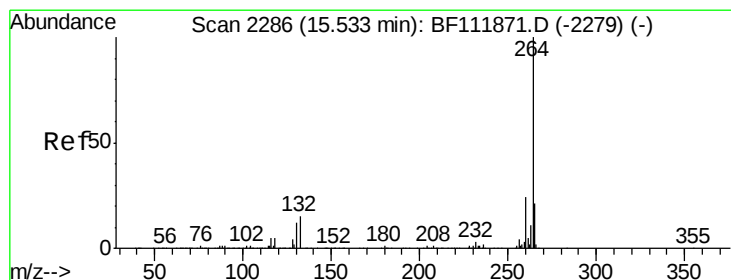
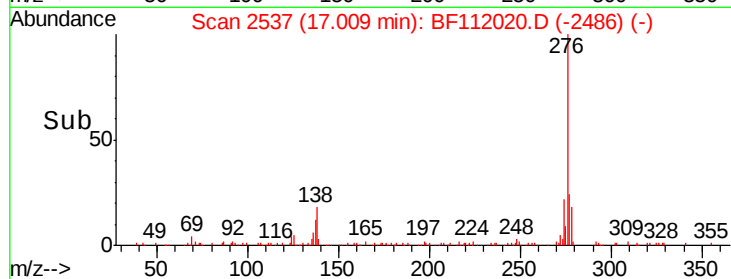
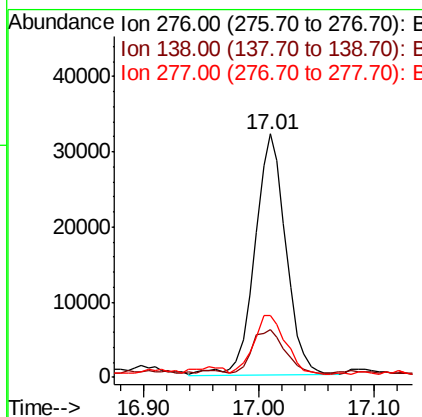
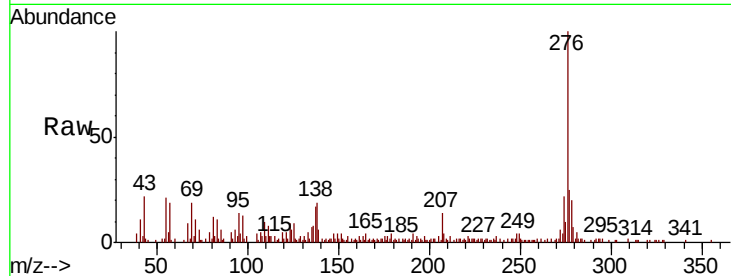
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.540 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.00 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	18.1	27.1
277	25.3	19.9	29.9

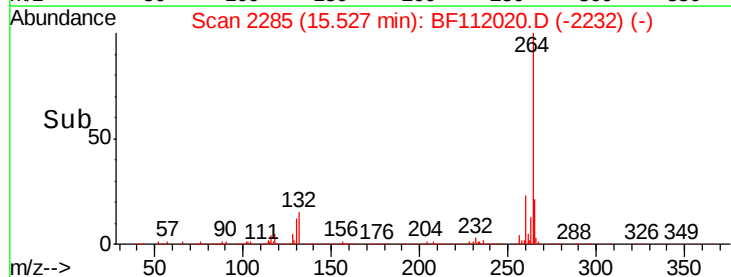
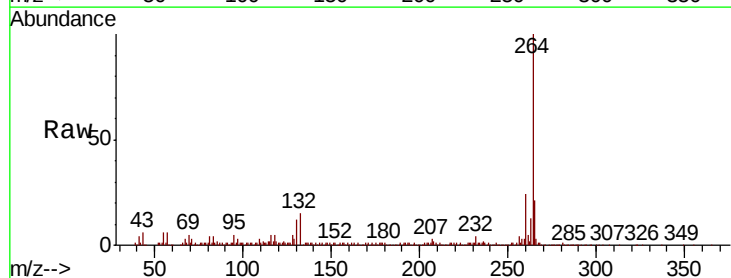
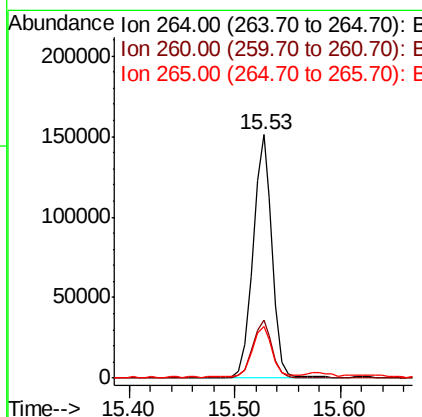
Manual Integrations
APPROVED

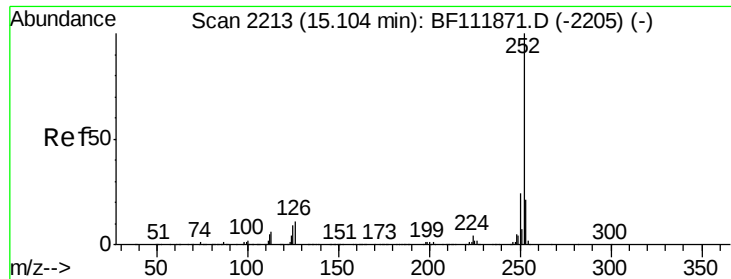
Sohil
1/14/2019 4:10:18 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.4	17.1	25.7





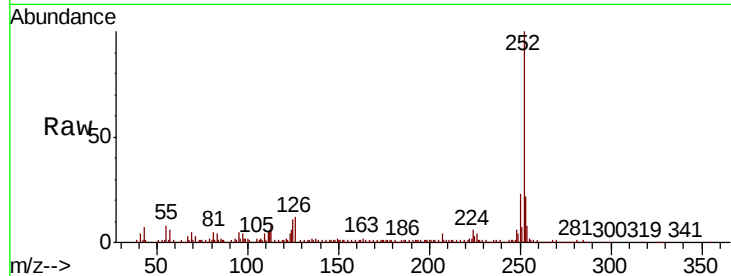
#88
Benzo(b)fluoranthene
Concen: 16.062 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	10.6	7.1	10.7

Manual Integrations
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Sohil
1/14/2019 4:10:18 PM

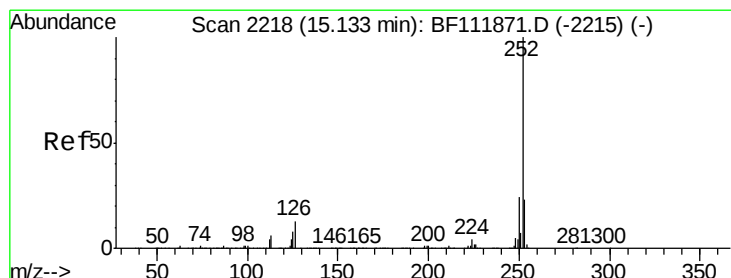
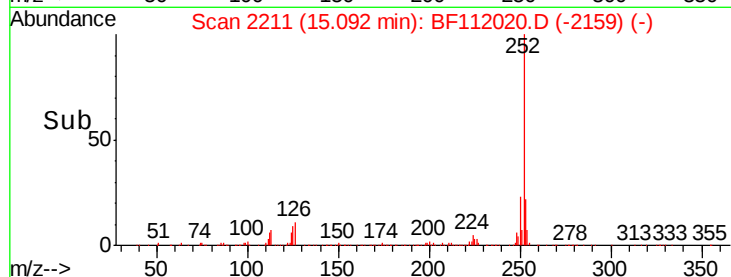
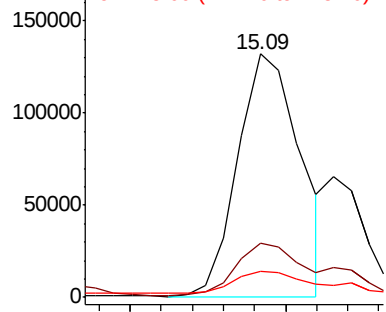


Abundance

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: 5.370 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

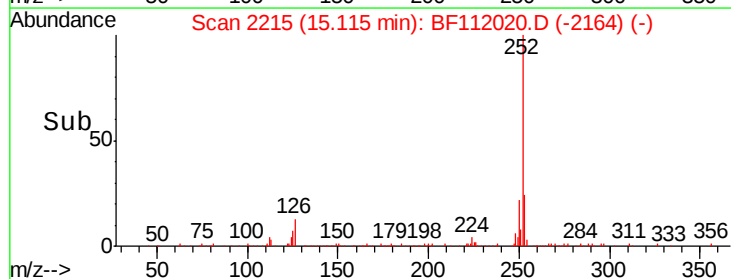
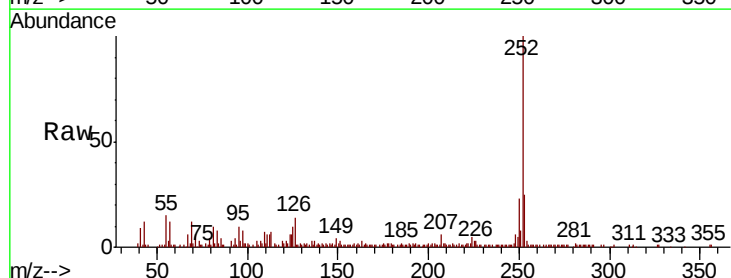
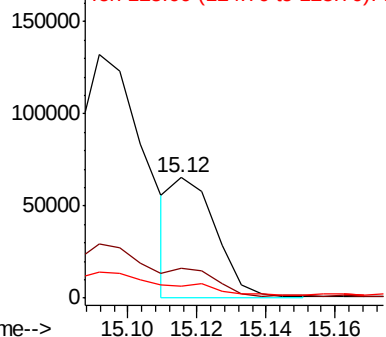
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.6
125	10.3	7.0	10.4

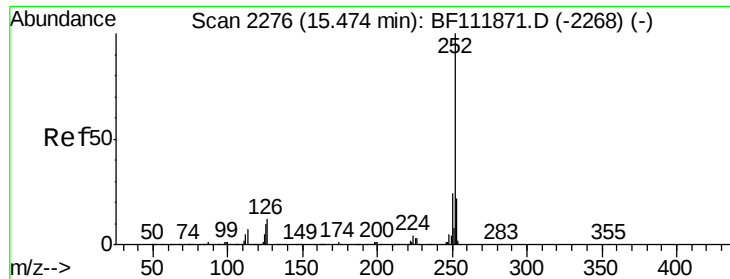
Abundance

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





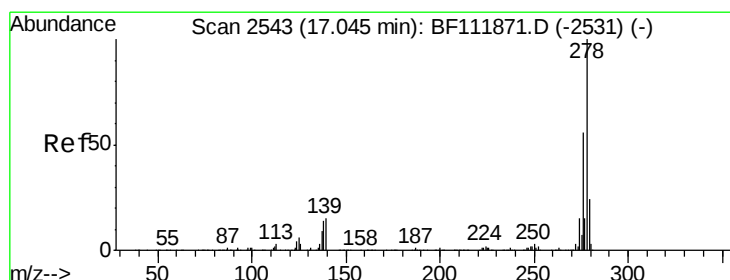
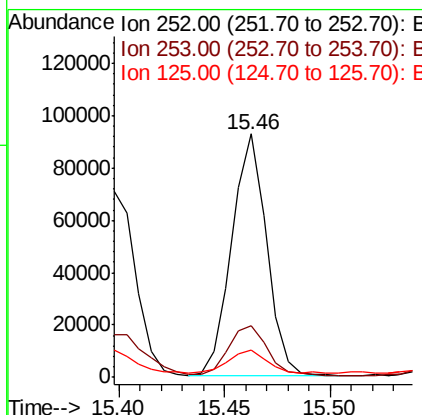
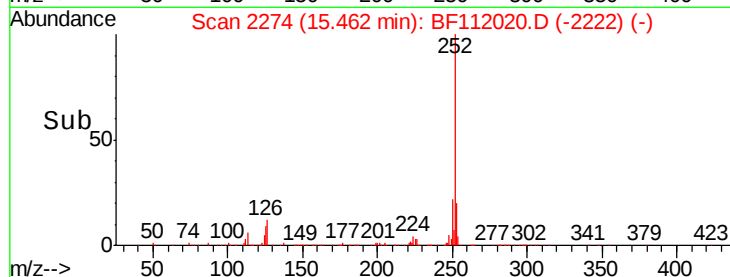
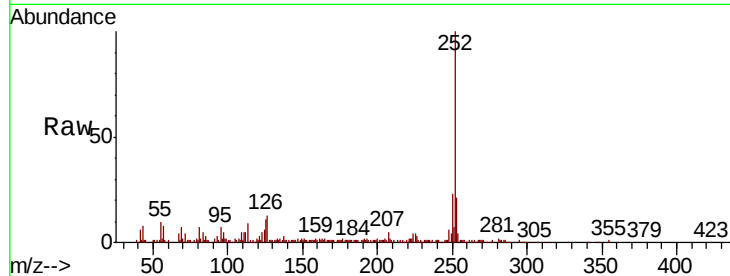
#90
Benzo(a)pyrene
Concen: 10.479 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Instrument :
BNA_F
ClientSampleId :
TP-(1-10)-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	11.0	7.9	11.9

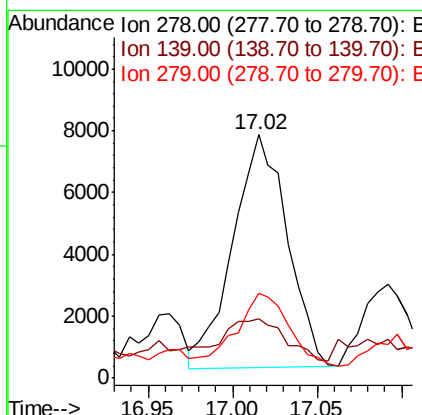
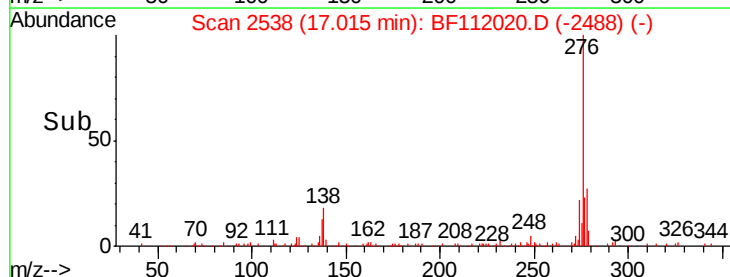
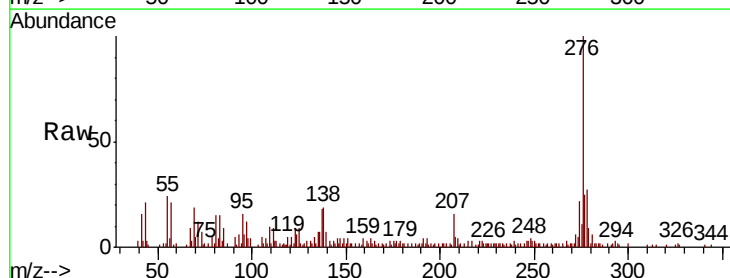
Manual Integrations
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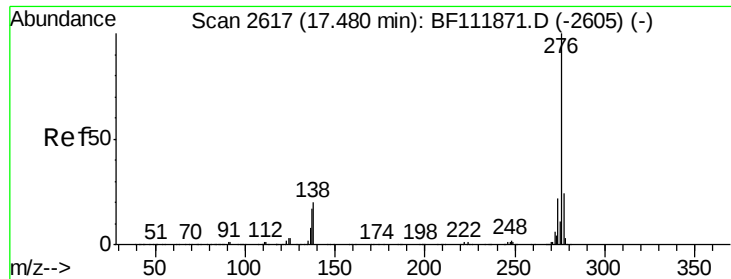
Sohil
1/14/2019 4:10:18 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.083 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF112020.D
Acq: 11 Jan 2019 17:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.4	11.8	17.6#
279	34.6	19.4	29.2#





#92
 Benzo(a,h,i)perylene
 Concen: 7.404 ng
 RT: 17.46 min Scan# 2613
 Delta R.T. -0.01 min
 Lab File: BF112020.D
 Acq: 11 Jan 2019 17:28

Instrument :
 BNA_F
 ClientSampleId :
 TP-(1-10)-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.0	28.6
138	25.1	16.2	24.2

Manual Integrations
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 1/14/2019 4:10:18 PM

