

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021119\
 Data File : BF112484.D
 Acq On : 11 Feb 2019 16:49
 Operator : JU/SJ
 Sample : K1450-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HOSPITAL-BOX-CULVERT-TP

Manual Integrations
 APPROVED

Sohil
 2/12/2019 11:57:10 AM

Quant Time: Feb 12 01:08:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	159106	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	602546	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	271838	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	425855	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	319334	20.00	ng	0.00
87) Perylene-d12	15.47	264	315282	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	910321	121.53	ng	0.00
7) Phenol-d6	6.49	99	1123080	107.90	ng	0.00
23) Nitrobenzene-d5	7.40	82	691577	66.13	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	273326	86.38	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1185363	61.67	ng	-0.02
79) Terphenyl-d14	12.94	244	804604	47.46	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.13	128	271593	9.639	ng	98
37) 2-Methylnaphthalene	8.83	142	91763	4.757	ng	96
38) 1-Methylnaphthalene	8.93	142	92427	4.999	ng	97
50) Dimethylphthalate	9.58	163	104645	4.955	ng	98
52) Acenaphthene	9.90	154	201687	12.499	ng	99
55) Dibenzofuran	10.07	168	174187	7.064	ng	98
58) Fluorene	10.42	166	197297	10.692	ng	99
71) Phenanthrene	11.38	178	909799	41.094	ng	99
72) Anthracene	11.43	178	186945	8.477	ng	98
73) Carbazole	11.59	167	91296	4.197	ng	98
75) Fluoranthene	12.57	202	727823	30.650	ng	96
78) Pyrene	12.80	202	587053	26.553	ng	99
81) Benzo(a)anthracene	13.99	228	256720	13.676	ng	99
83) Chrysene	14.03	228	191402	10.682	ng	95
86) Indeno(1,2,3-cd)pyrene	16.96	276	84364	5.942	ng	# 90
88) Benzo(b)fluoranthene	15.05	252	240885m	12.775	ng	
89) Benzo(k)fluoranthene	15.07	252	90211m	4.995	ng	
90) Benzo(a)pyrene	15.42	252	176738	10.417	ng	99
92) Benzo(a,h,i)perylene	17.42	276	74391	5.767	ng	97

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

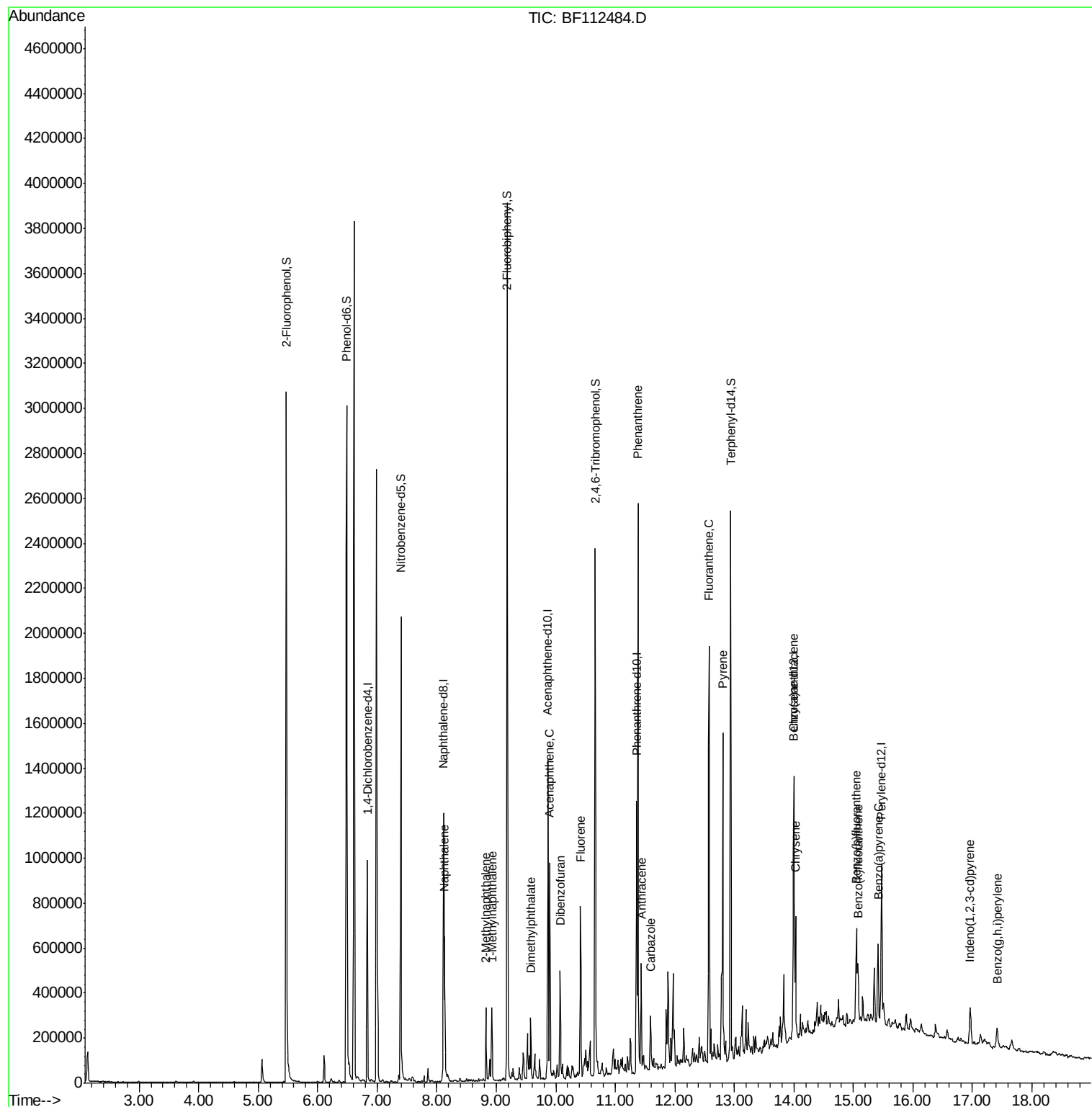
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021119\
Data File : BF112484.D
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ALS Vial : 9 Sample Multiplier: 1

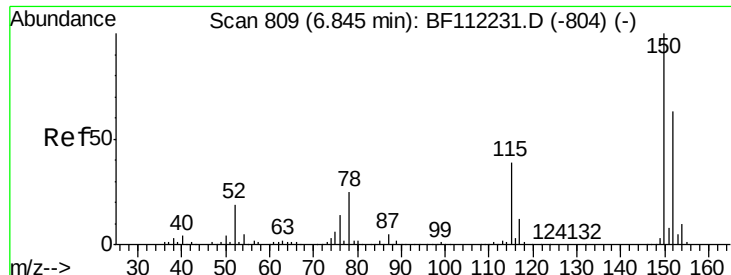
Instrument :
BNA_F
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

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#1

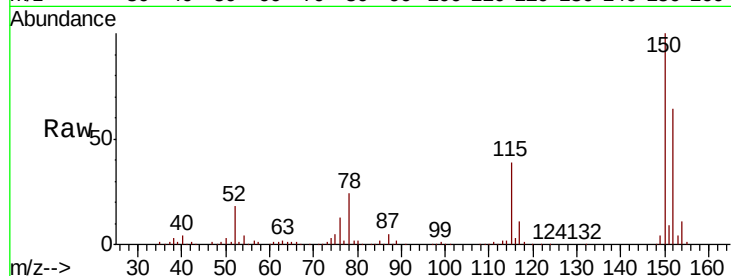
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Instrument :
BNA_F
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	127.4	191.0
115	60.1	45.5	68.3

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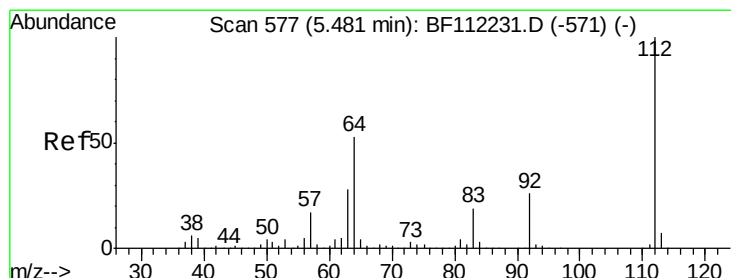
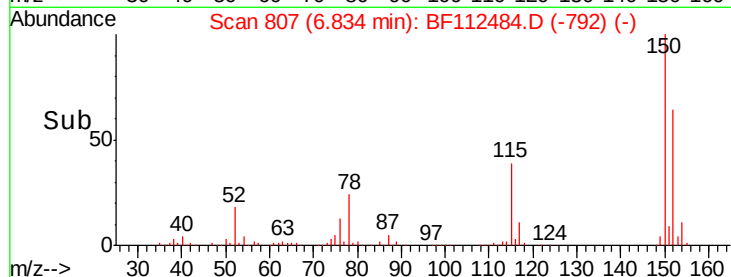
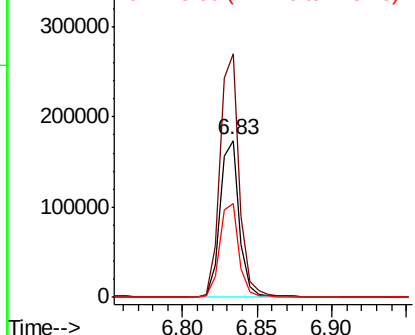


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

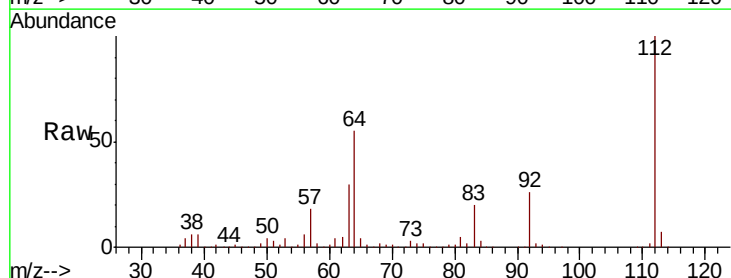
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 121.528 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	45.7	68.5
63	30.1	23.6	35.4

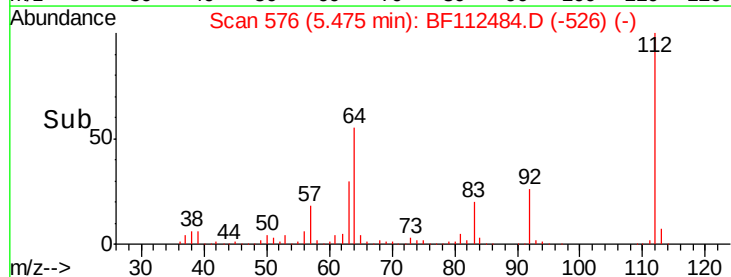
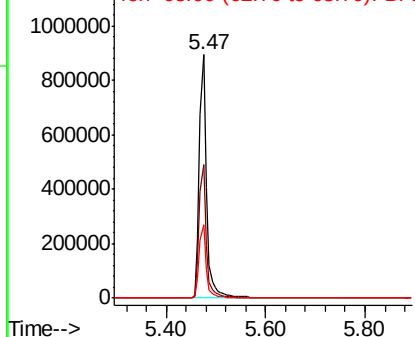


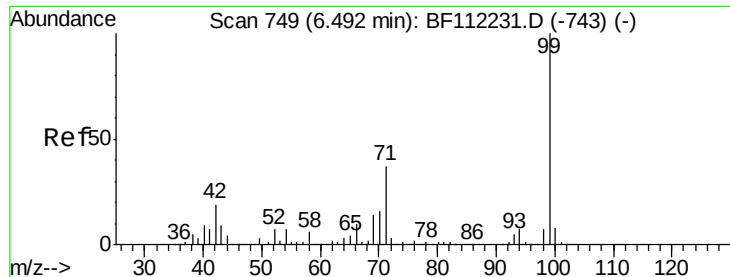
Abundance

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: 107.899 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112484.D

Acq: 11 Feb 2019 16:49

Instrument :

BNA_F

ClientSampleId :

HOSPITAL-BOX-CULVERT-TP

Tot Ion: 99 Resp: 1123080

Ion Ratio Lower Upper

99 100

42 19.1 15.1 22.7

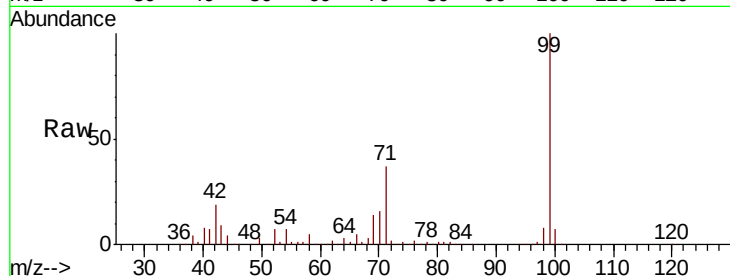
71 37.1 26.9 40.3

Manual Integrations

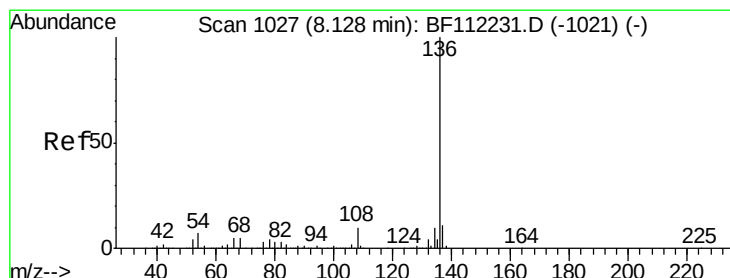
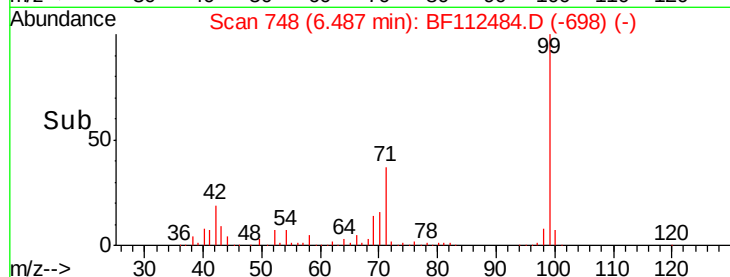
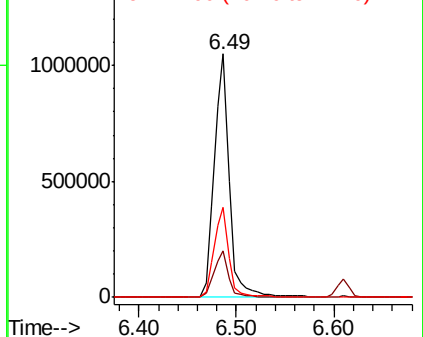
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112484.D

Acq: 11 Feb 2019 16:49

Tgt Ion: 136 Resp: 602546

Ion Ratio Lower Upper

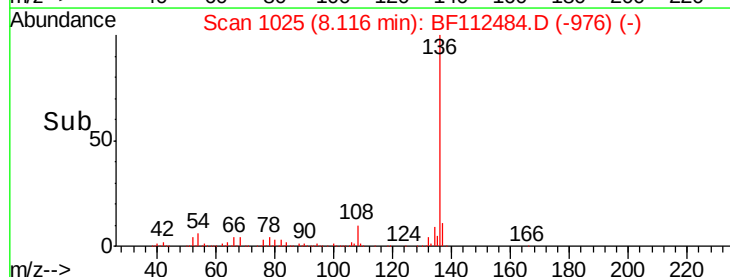
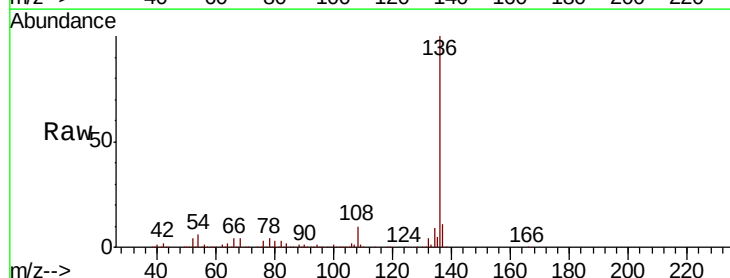
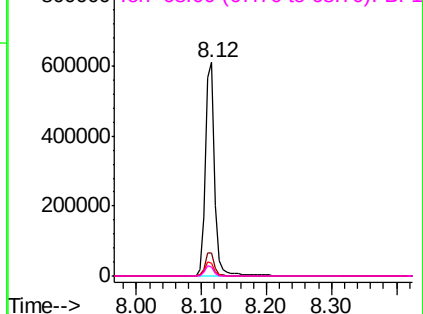
136 100

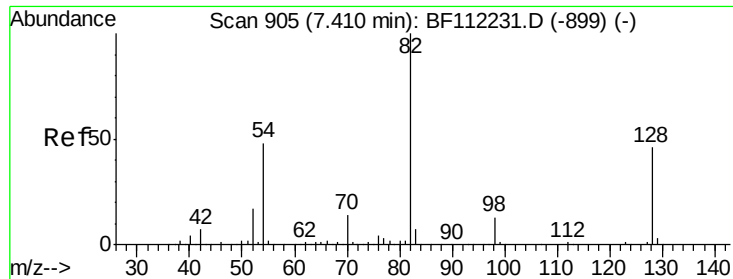
137 10.6 9.1 13.7

54 6.1 5.9 8.9

68 4.4 5.1 7.7#

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





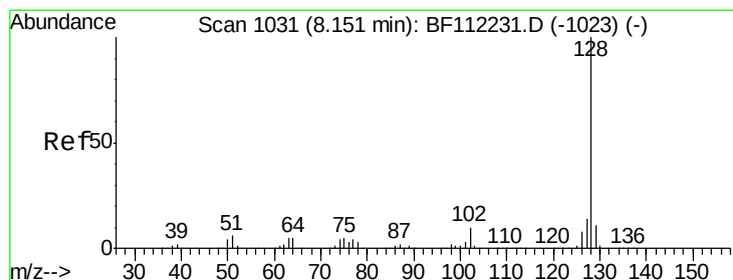
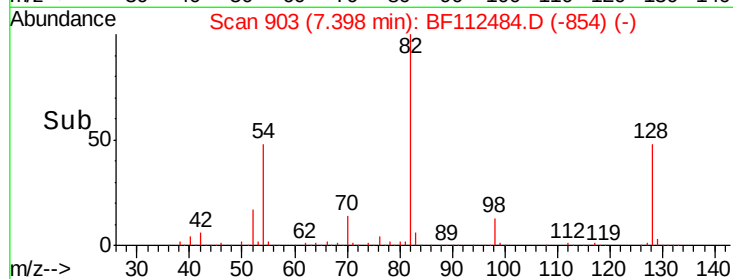
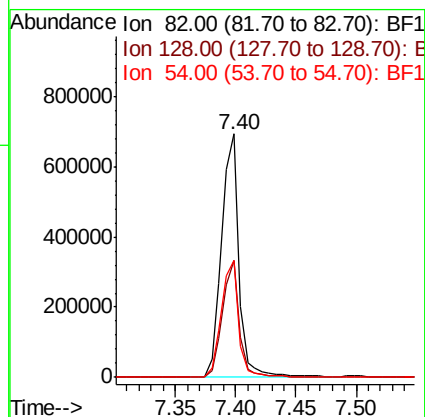
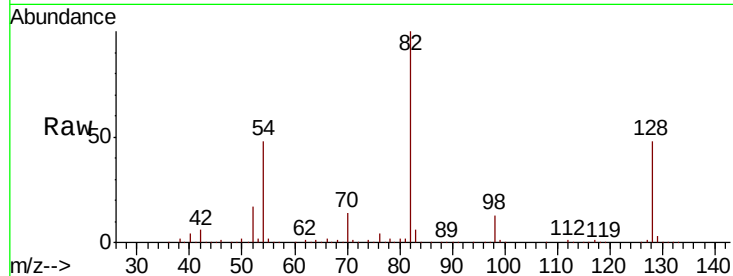
#23
Nitrobenzene-d5
Concen: 66.134 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Instrument :
BNA_F
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.8	56.8
54	48.0	39.7	59.5

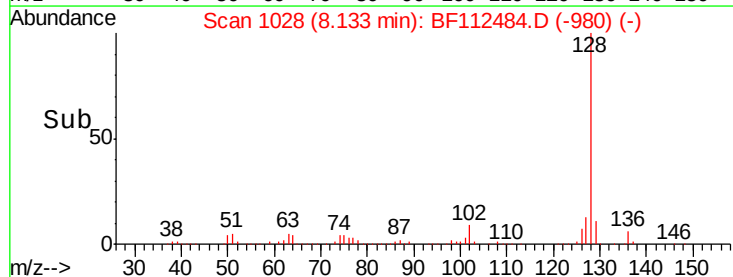
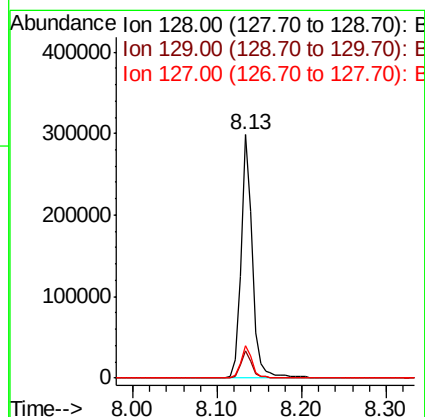
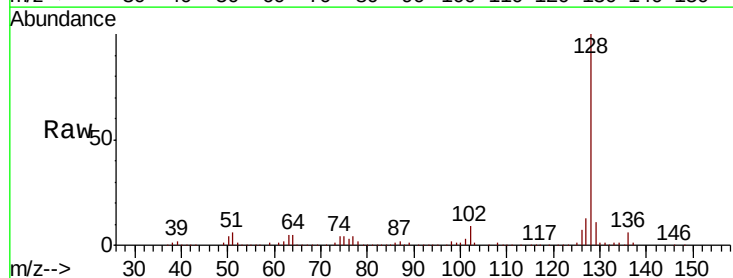
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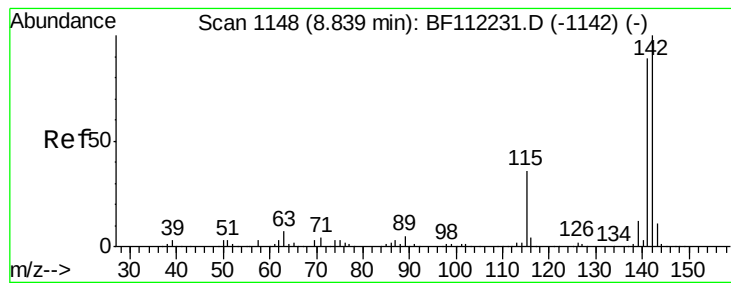
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#31
Naphthalene
Concen: 9.639 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.02 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.6	14.4
127	13.1	11.1	16.7





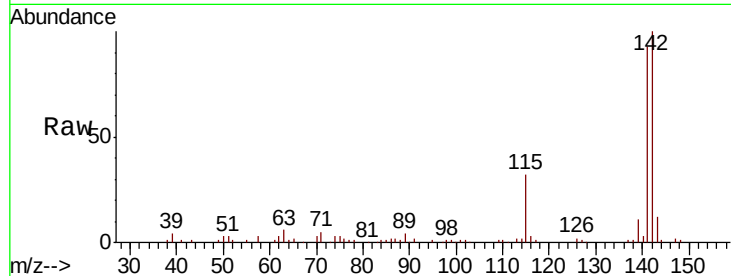
#37
2-Methylnaphthalene
Concen: 4.757 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Instrument :
BNA_F
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.6	70.9	106.3
115	32.2	24.9	37.3

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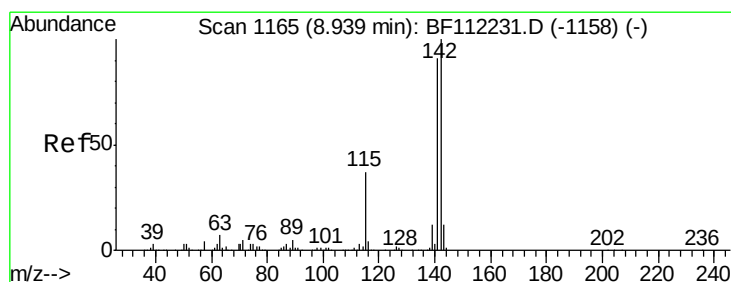
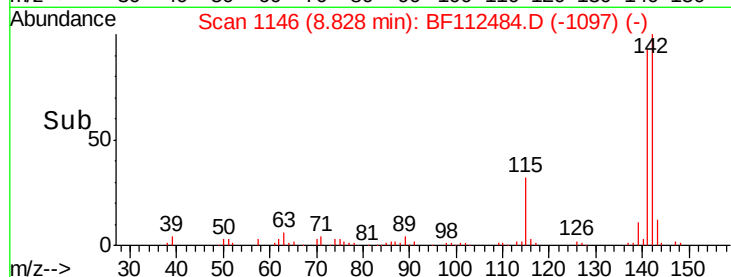
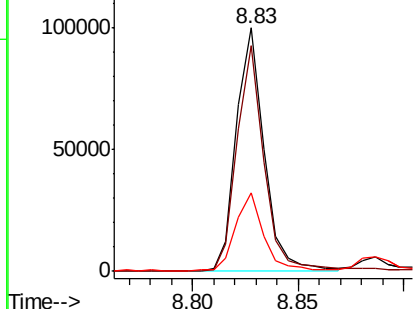


Abundance

Ion 142.00 (141.70 to 142.70): E

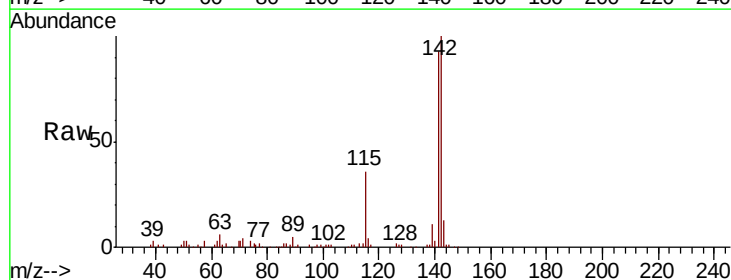
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 4.999 ng
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.5	72.6	108.8
116	3.7	2.8	4.2

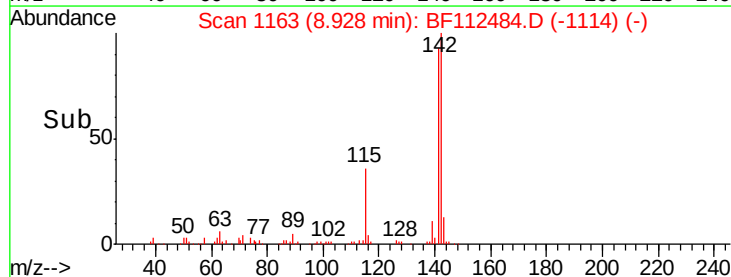
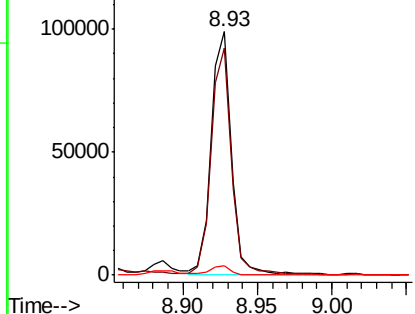


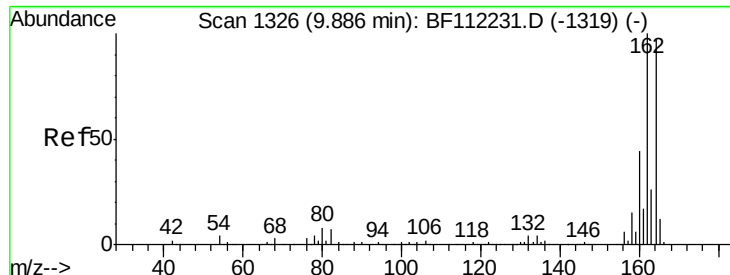
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





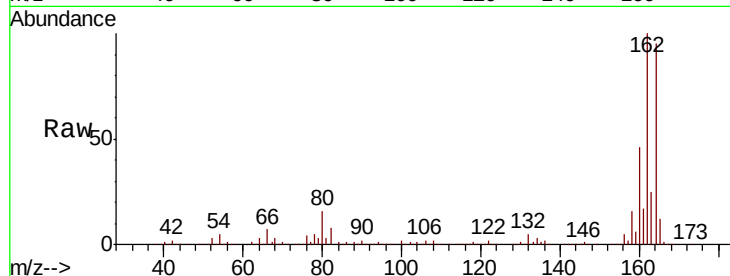
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Instrument :
BNA_F
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

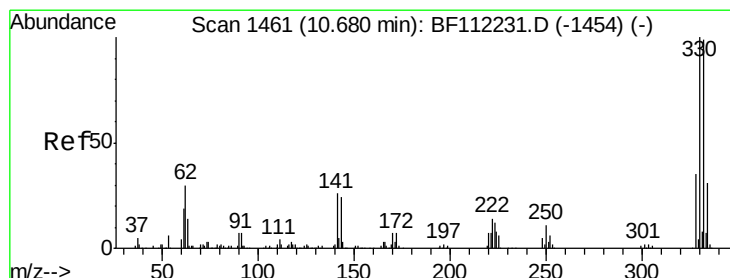
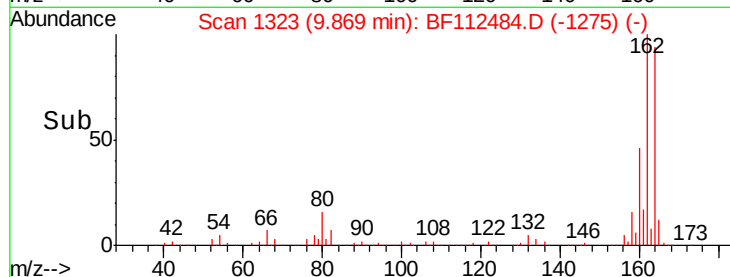
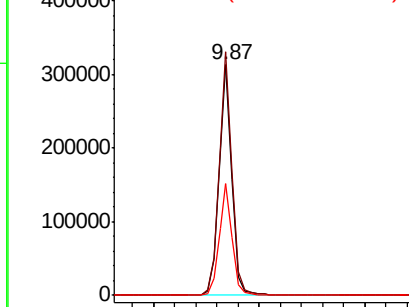
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.5	82.2	123.4	
160	48.3	36.2	54.4	

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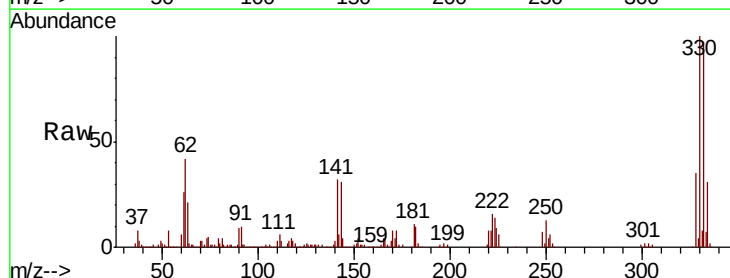


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

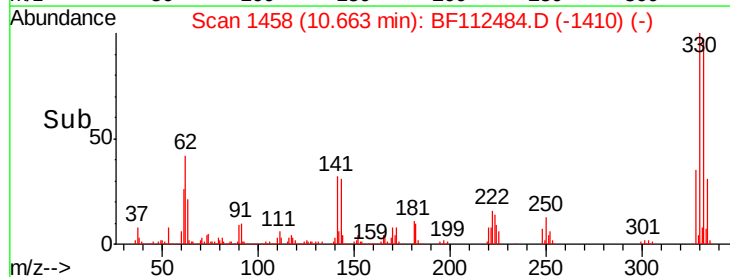
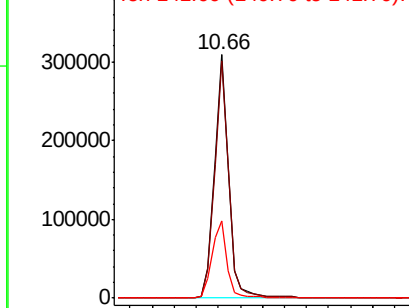


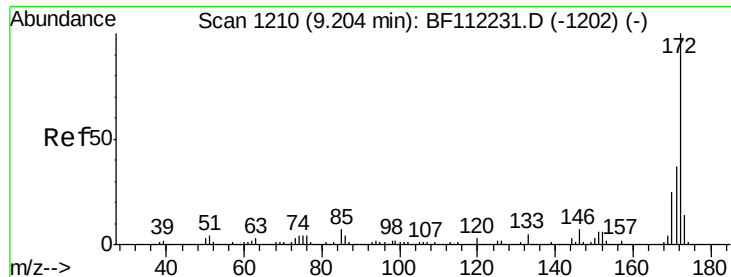
#42
2,4,6-Tribromophenol
Concen: 86.383 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.7	76.6	114.8	
141	34.0	24.3	36.5	



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





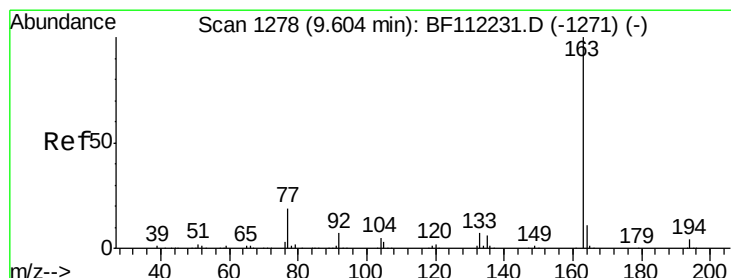
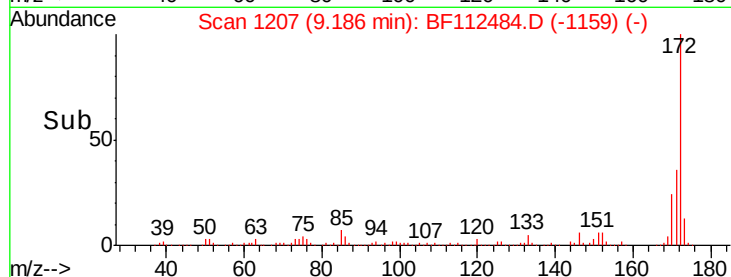
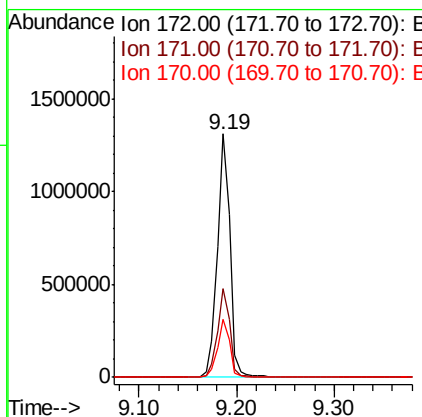
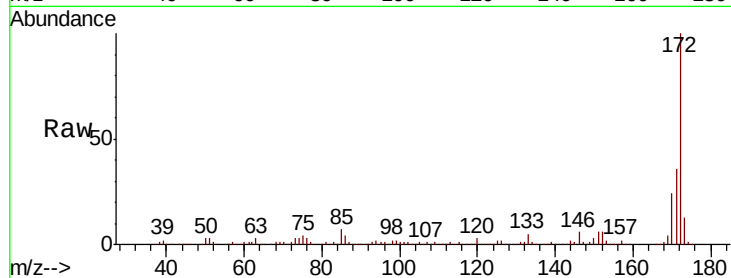
#45
2-Fluorobiphenyl
Concen: 61.673 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Instrument :
BNA_F
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.5	45.7
170	23.8	20.2	30.4

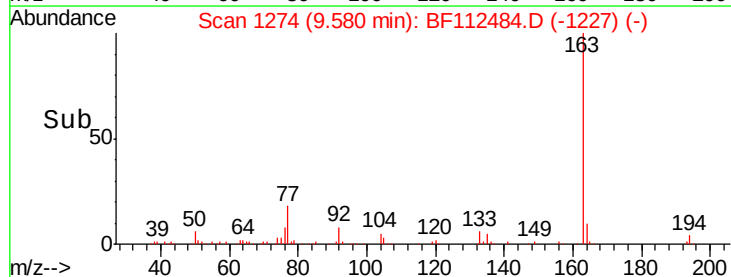
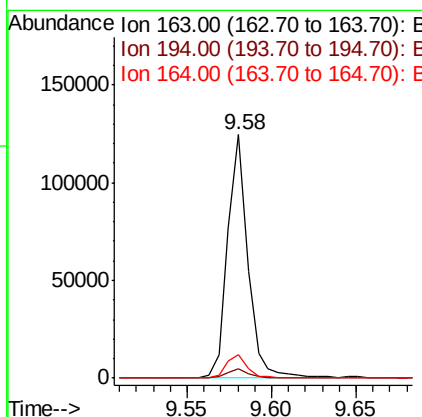
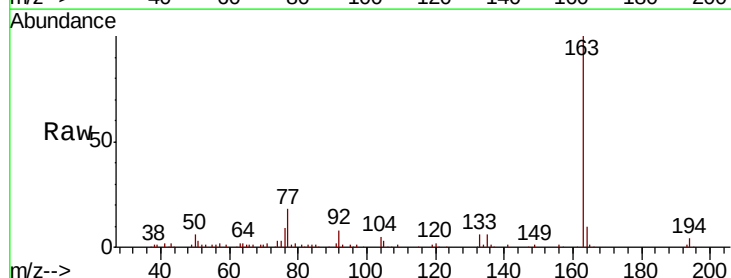
Manual Integrations
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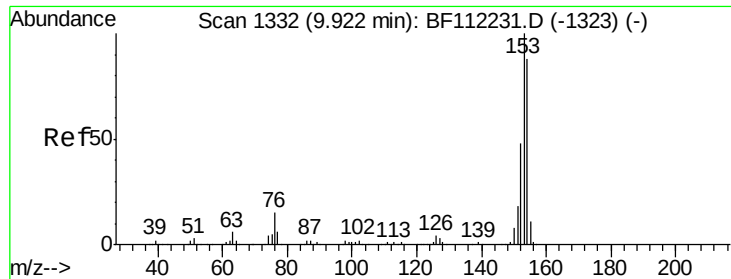
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#50
Dimethylphthalate
Concen: 4.955 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	9.7	8.5	12.7





#52

Acenaphthene

Concen: 12.499 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.02 min

Lab File: BF112484.D

Acq: 11 Feb 2019 16:49

Instrument :

BNA_F

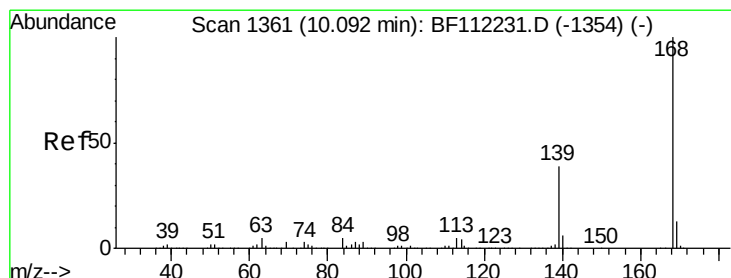
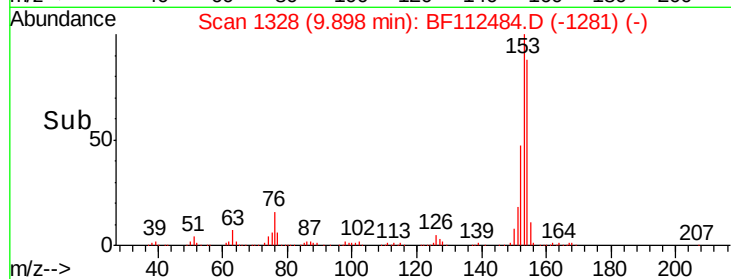
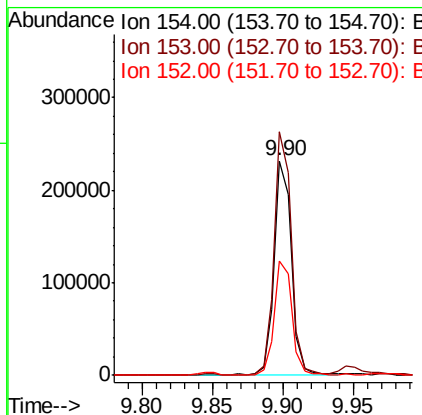
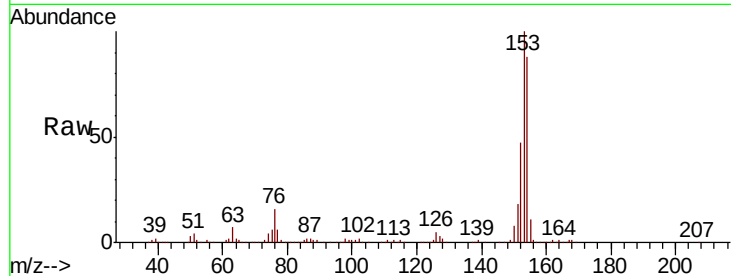
ClientSampleId :

HOSPITAL-BOX-CULVERT-TP

Tot Ion:	154	Resp:	201687
Ion Ratio	Lower	Upper	
154	100		
153	113.5	89.8	134.6
152	53.4	43.5	65.3

Manual Integrations
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2/12/2019 11:57:10 AM



#55

Dibenzofuran

Concen: 7.064 ng

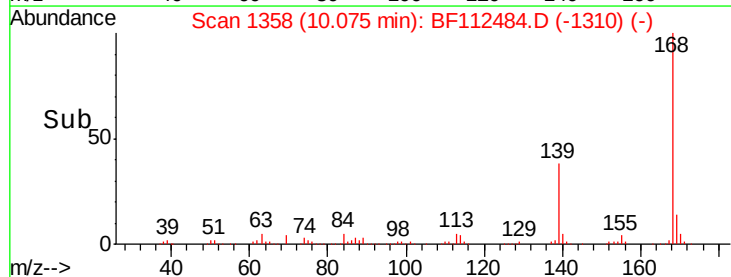
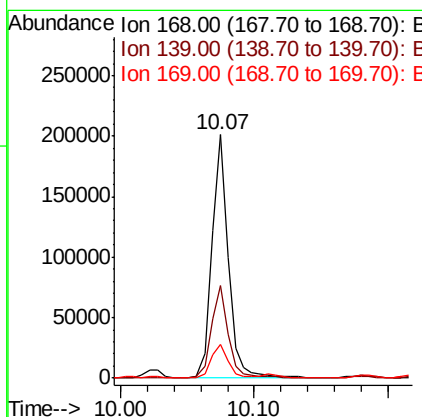
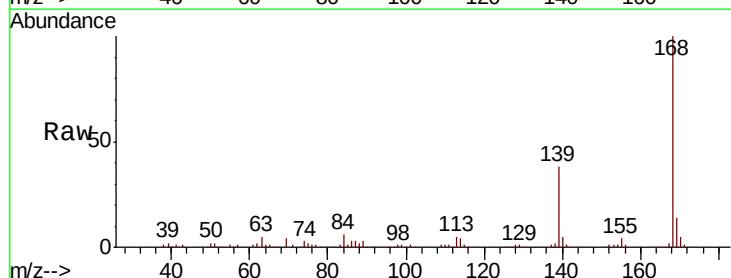
RT: 10.07 min Scan# 1358

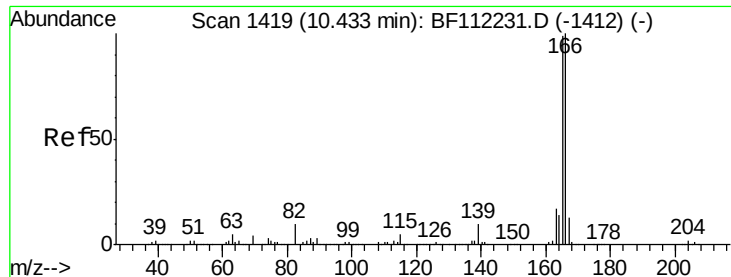
Delta R.T. -0.02 min

Lab File: BF112484.D

Acq: 11 Feb 2019 16:49

Tgt Ion:	168	Resp:	174187
Ion Ratio	Lower	Upper	
168	100		
139	37.8	29.2	43.8
169	13.8	11.4	17.0





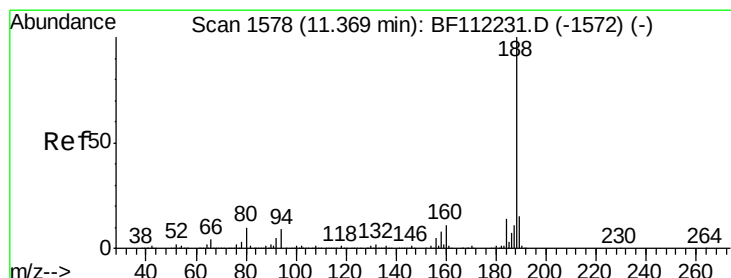
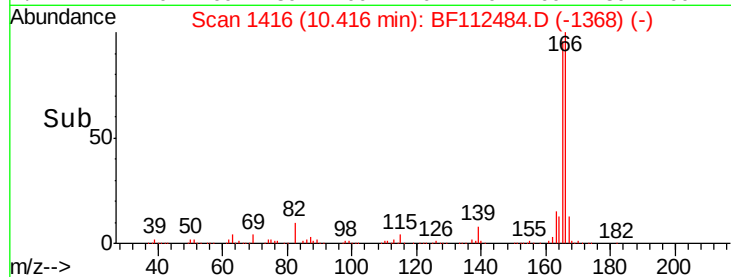
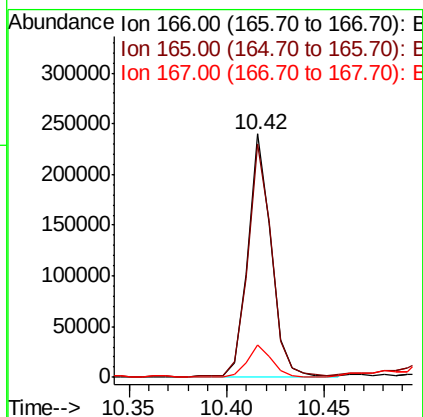
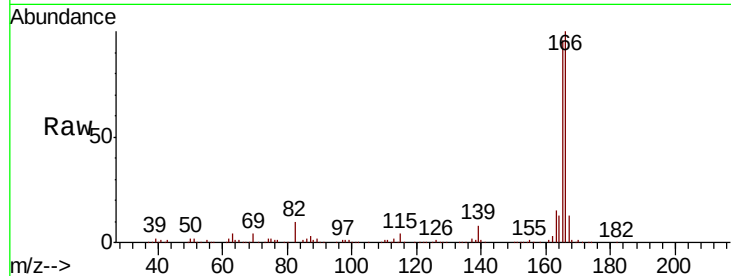
#58
 Fluorene
 Concen: 10.692 ng
 RT: 10.42 min Scan# 1416
 Delta R.T. -0.02 min
 Lab File: BF112484.D
 Acq: 11 Feb 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 HOSPITAL-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.8	77.1	115.7
167	13.2	11.3	16.9

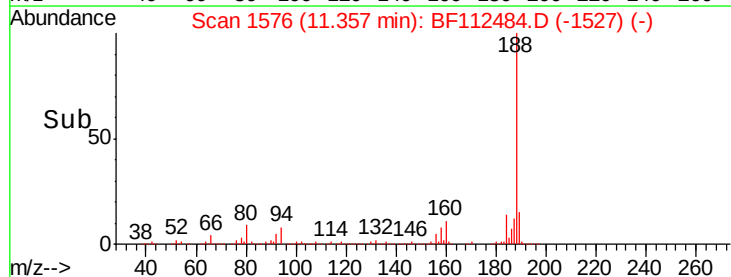
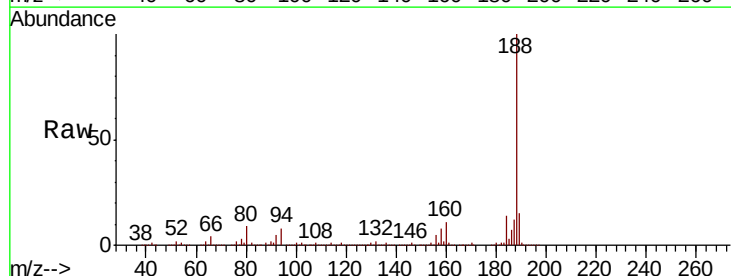
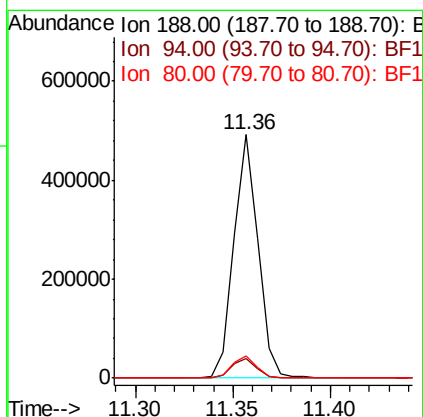
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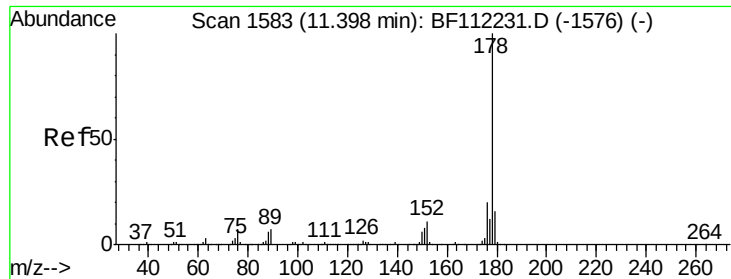
Sohil
 2/12/2019 11:57:10 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF112484.D
 Acq: 11 Feb 2019 16:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.2	12.2#
80	9.1	8.9	13.3





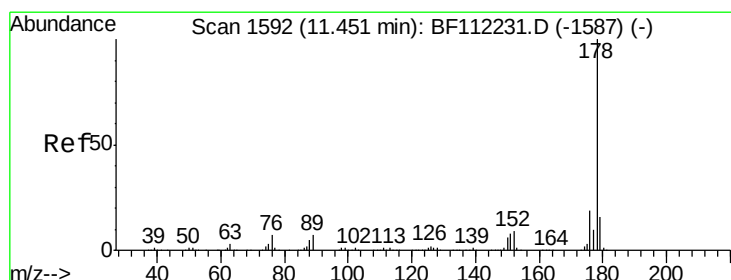
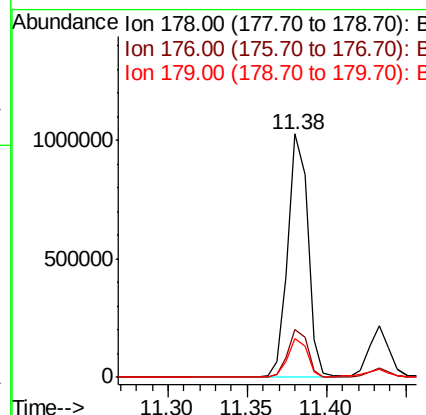
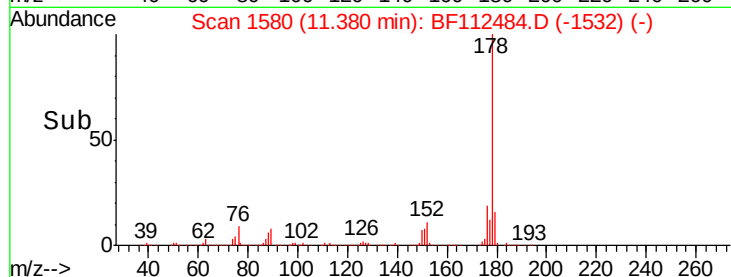
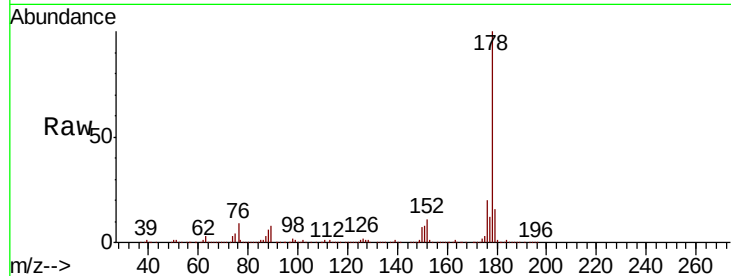
#71
Phenanthrene
Concen: 41.094 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Instrument :
BNA_F
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.3	24.5
179	16.1	13.0	19.4

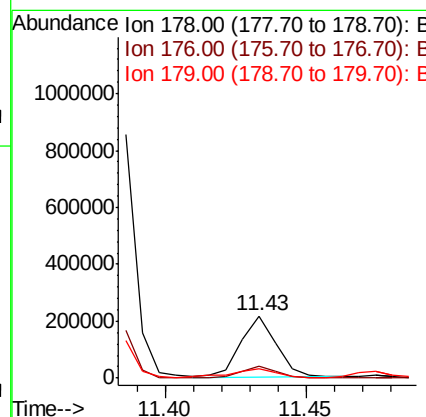
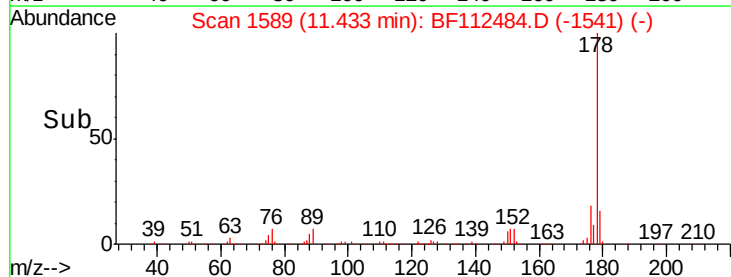
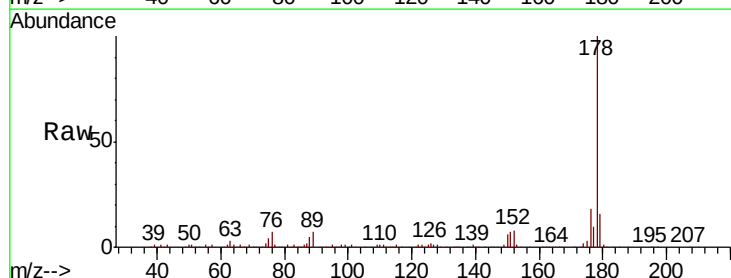
Manual Integrations
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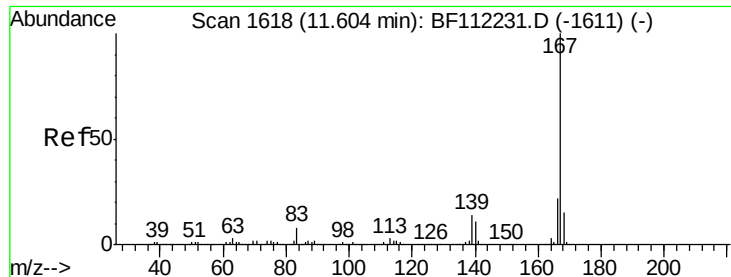
Sohil
2/12/2019 11:57:10 AM



#72
Anthracene
Concen: 8.477 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.5	23.3
179	16.0	12.8	19.2





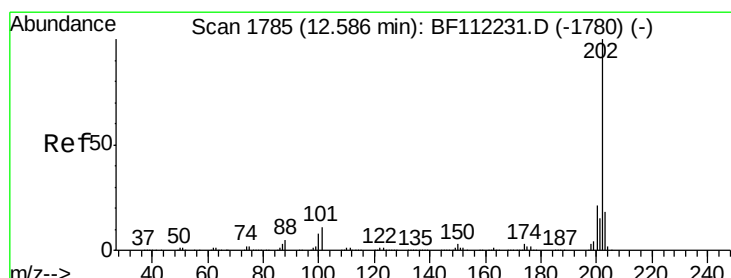
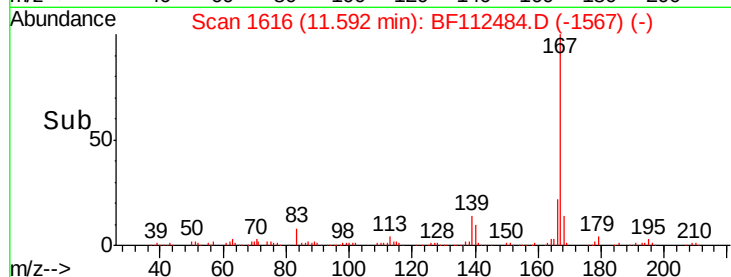
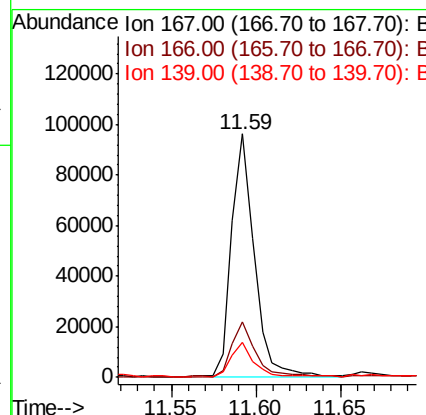
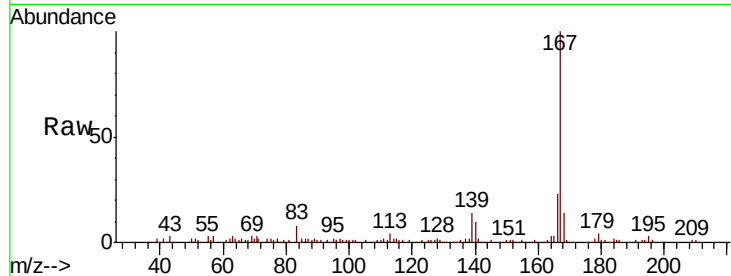
#73
 Carbazole
 Concen: 4.197 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF112484.D
 Acq: 11 Feb 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 HOSPITAL-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.9	26.9
139	14.2	10.2	15.2

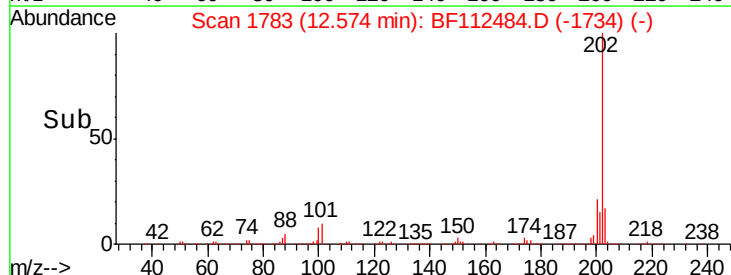
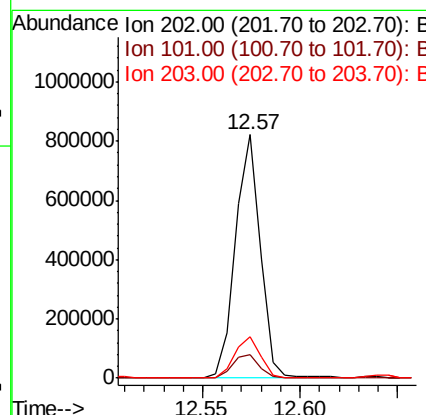
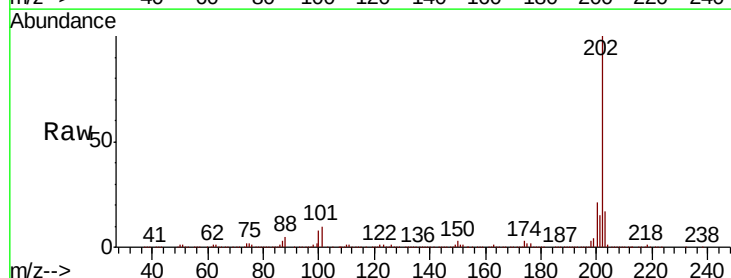
Manual Integrations
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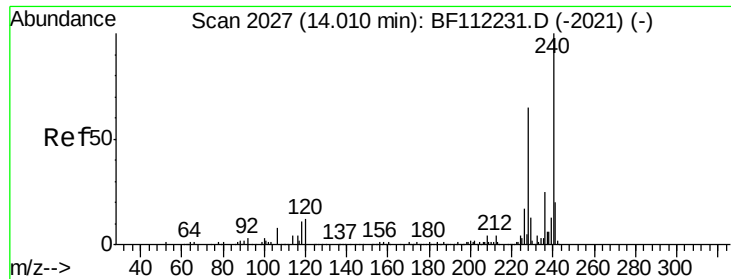
Sohil
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#75
 Fluoranthene
 Concen: 30.650 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF112484.D
 Acq: 11 Feb 2019 16:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	31.8
203	17.1	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF112484.D

Acq: 11 Feb 2019 16:49

Instrument :

BNA_F

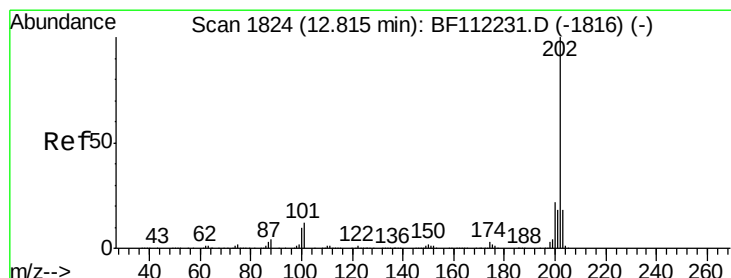
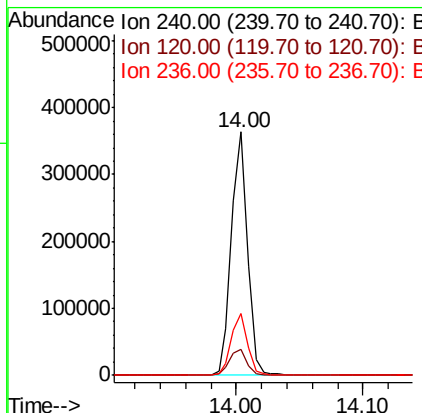
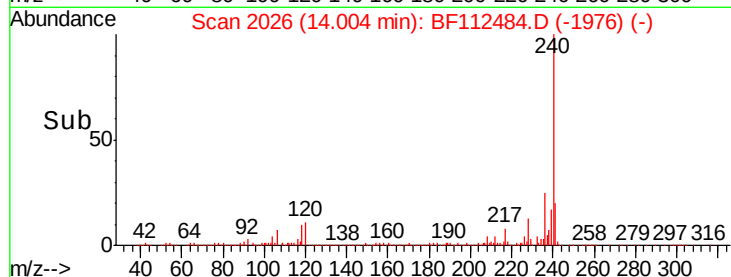
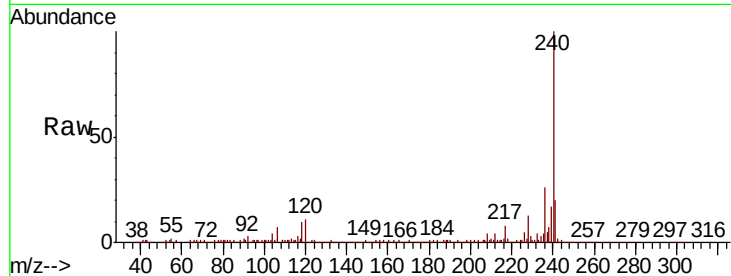
ClientSampleId :

HOSPITAL-BOX-CULVERT-TP

Tot Ion:	240	Resp:	319334
Ion Ratio	Lower	Upper	
240	100		
120	10.6	9.0	13.6
236	25.6	20.7	31.1

Manual Integrations
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#78

Pyrene

Concen: 26.553 ng

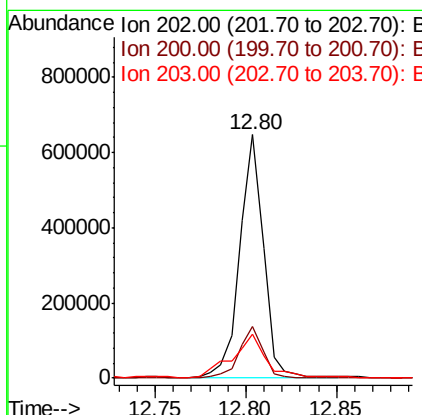
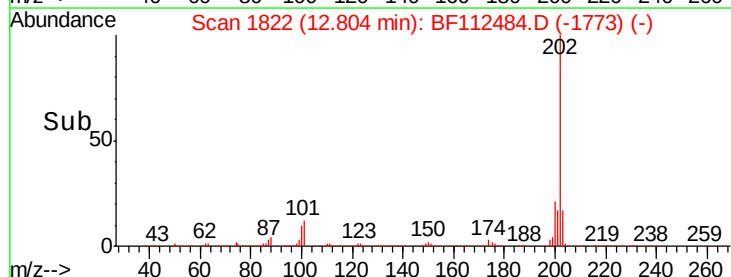
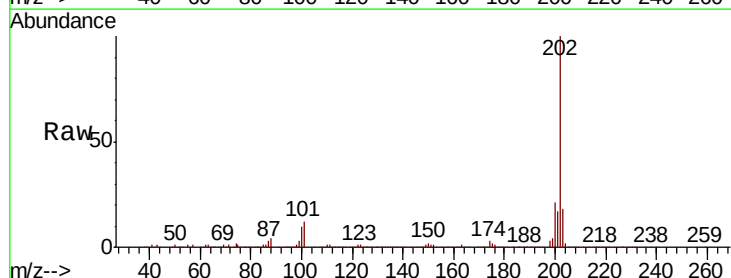
RT: 12.80 min Scan# 1822

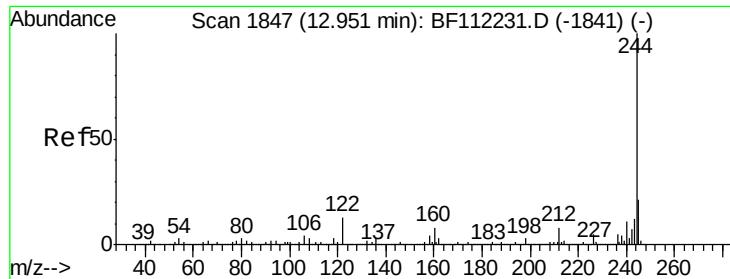
Delta R.T. -0.01 min

Lab File: BF112484.D

Acq: 11 Feb 2019 16:49

Tgt Ion:	202	Resp:	587053
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	17.9	14.6	22.0





#79

Terphenyl-d14

Concen: 47.456 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112484.D

Acq: 11 Feb 2019 16:49

Instrument :

BNA_F

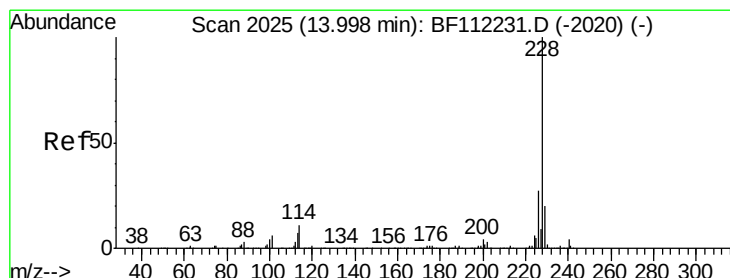
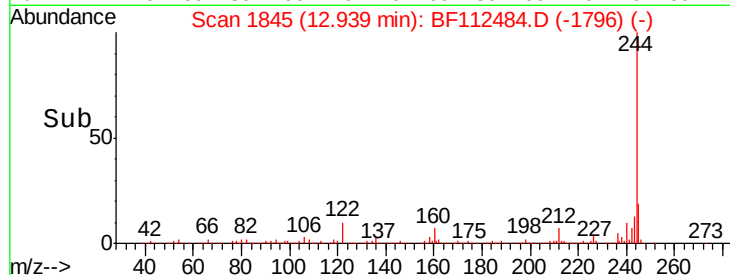
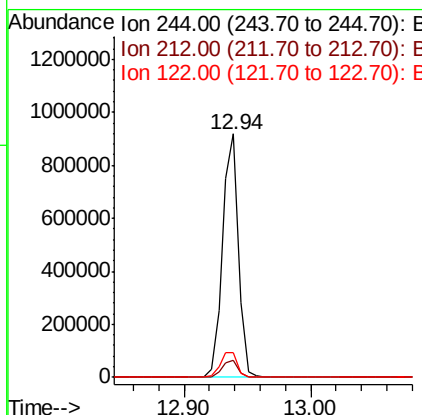
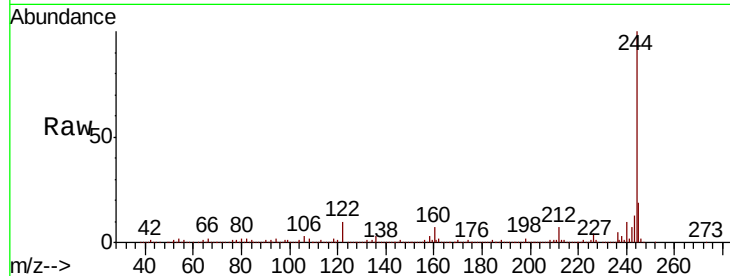
ClientSampleId :

HOSPITAL-BOX-CULVERT-TP

Tot Ion:	244	Resp:	804604
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.9	8.9
122	10.0	9.8	14.6

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 13.676 ng

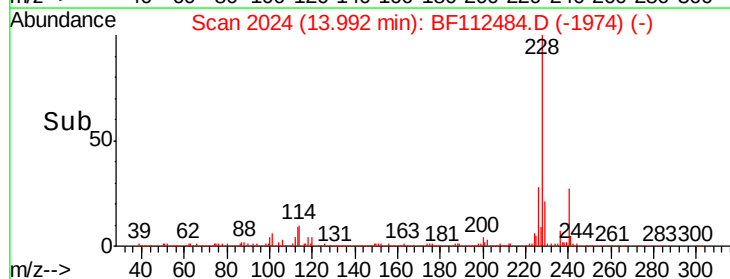
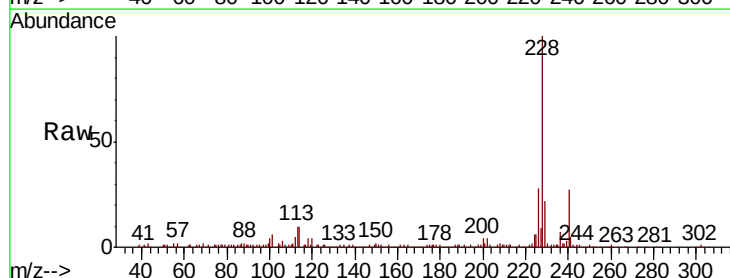
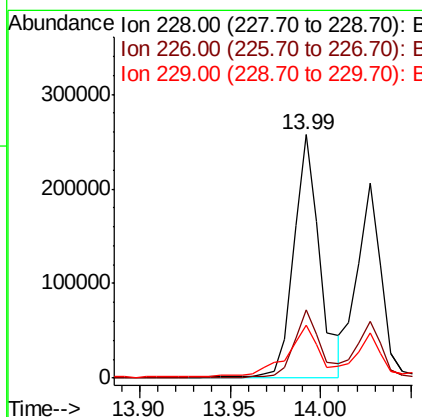
RT: 13.99 min Scan# 2024

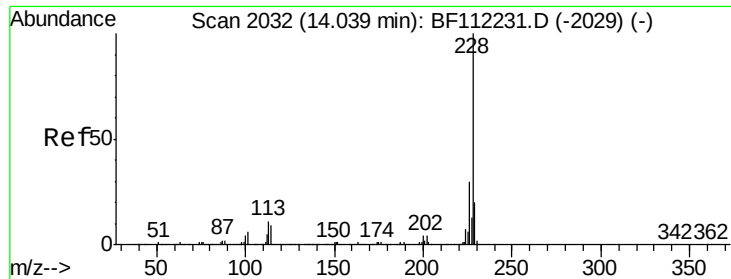
Delta R.T. -0.01 min

Lab File: BF112484.D

Acq: 11 Feb 2019 16:49

Tgt Ion:	228	Resp:	256720
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.6	34.0
229	21.5	16.5	24.7





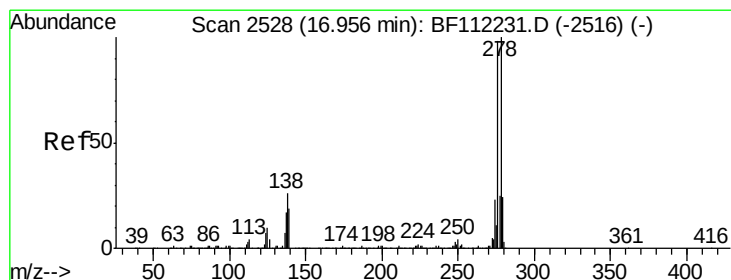
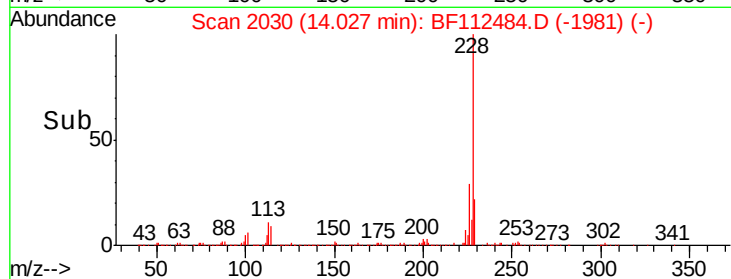
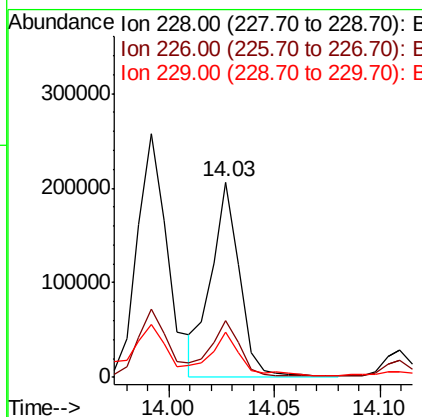
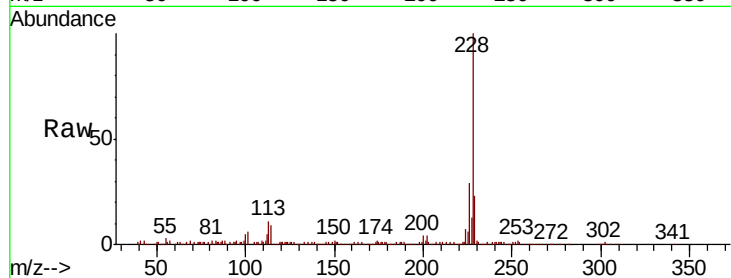
#83
Chrysene
Concen: 10.682 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Instrument :
BNA_F
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	23.4	16.6	24.8

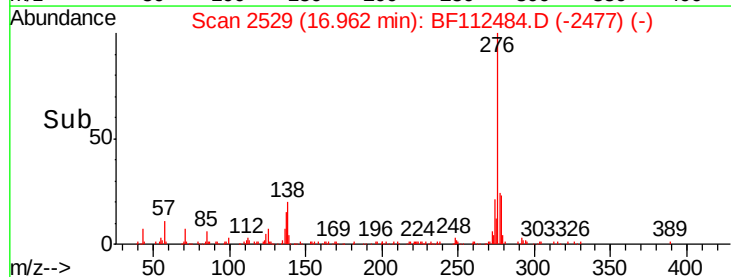
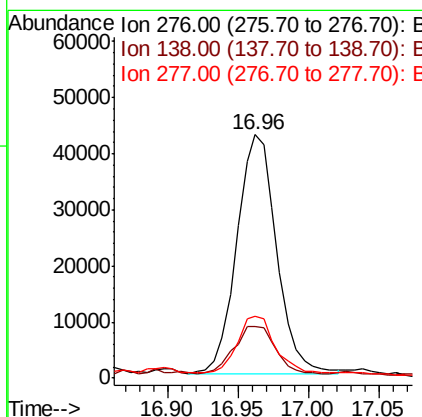
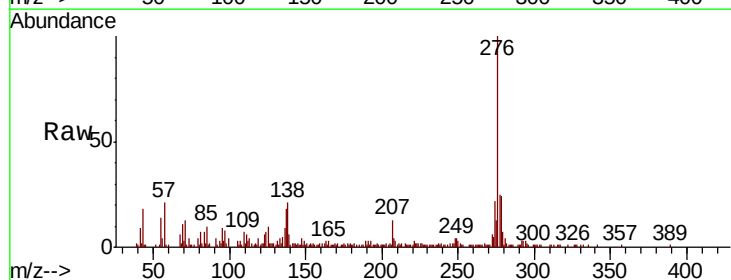
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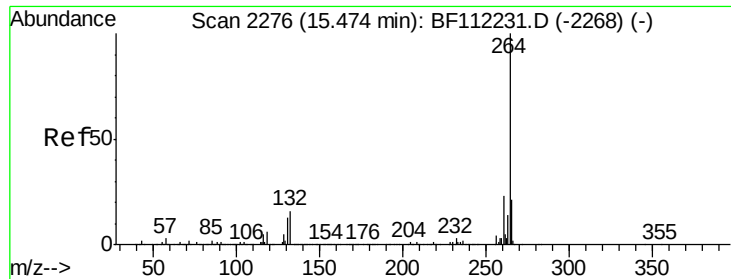
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.942 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.01 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	22.6	34.0#
277	22.4	20.3	30.5





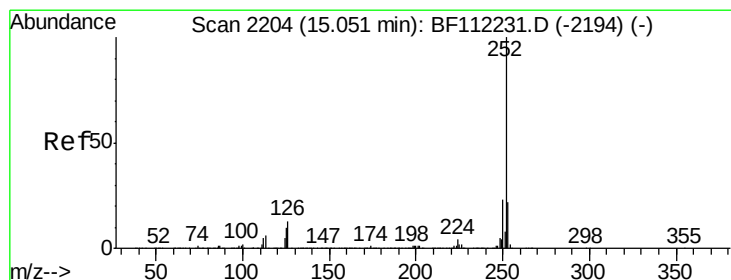
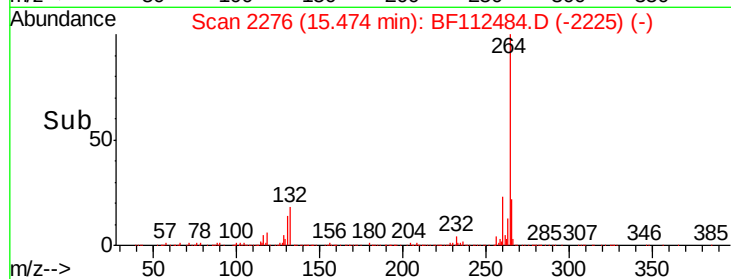
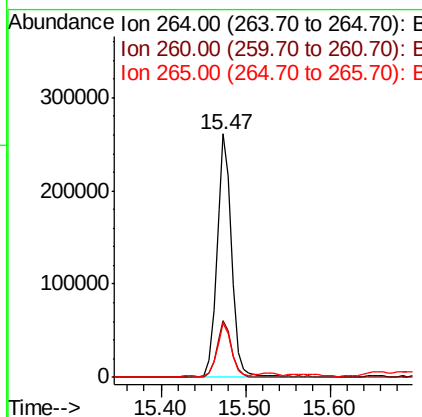
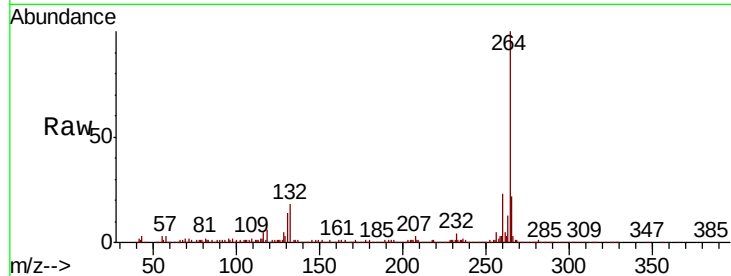
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Instrument :
BNA_F
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.2
265	22.2	17.0	25.4

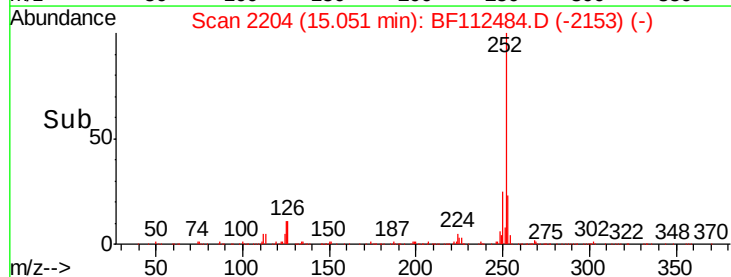
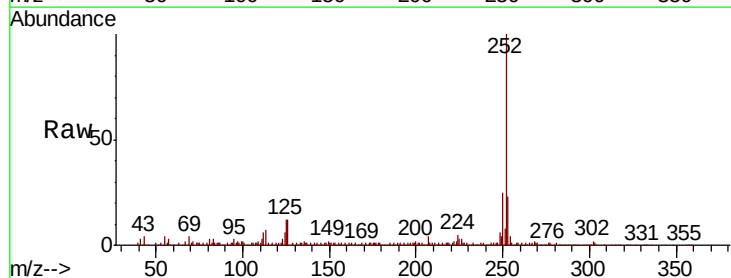
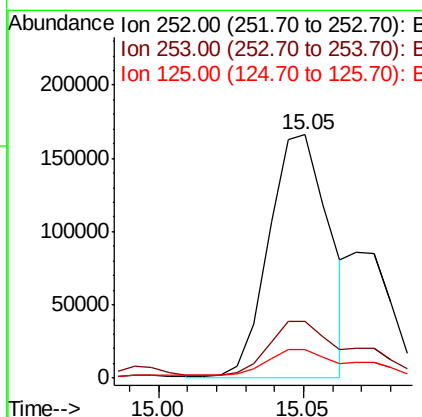
Manual Integrations
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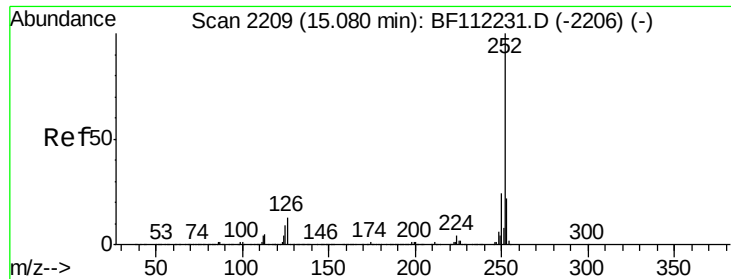
Sohil
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#88
Benzo(b)fluoranthene
Concen: 12.775 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	11.9	8.7	13.1





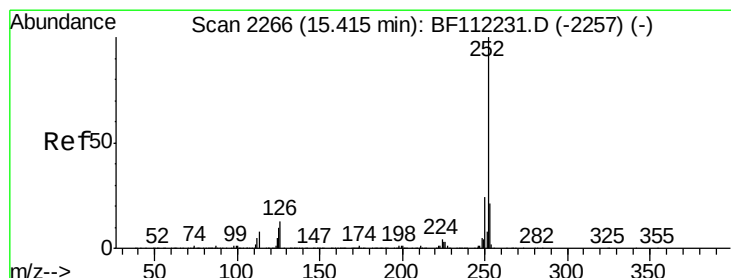
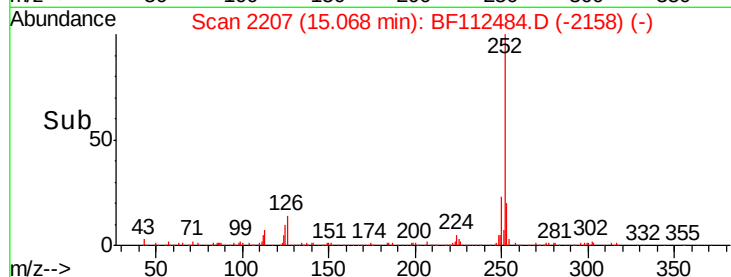
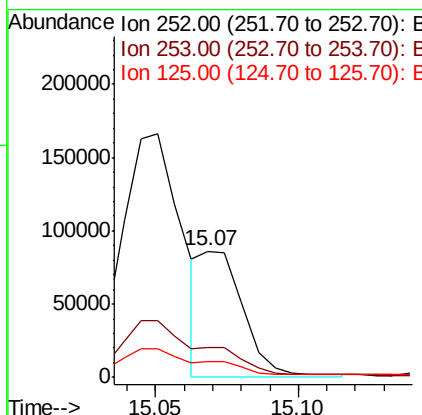
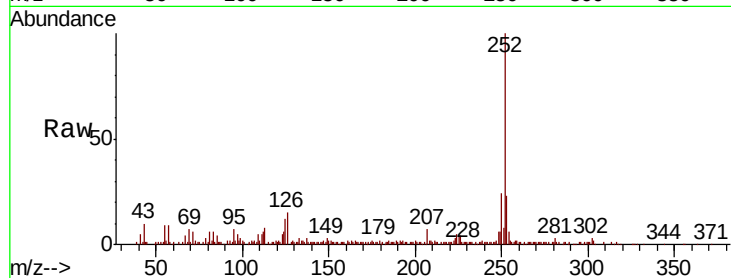
#89
Benzo(k)fluoranthene
Concen: 4.995 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Instrument :
BNA_F
ClientSampleId :
HOSPITAL-BOX-CULVERT-TP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	12.4	9.1	13.7

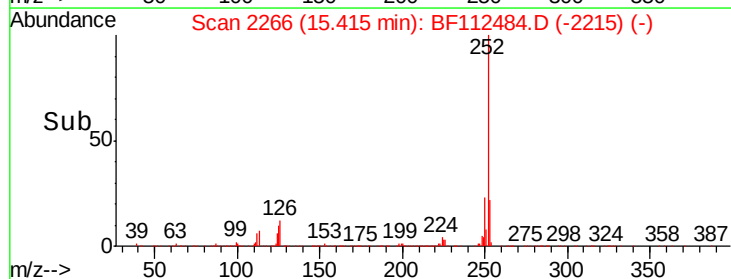
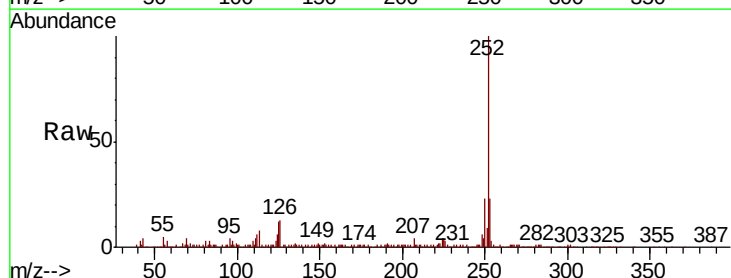
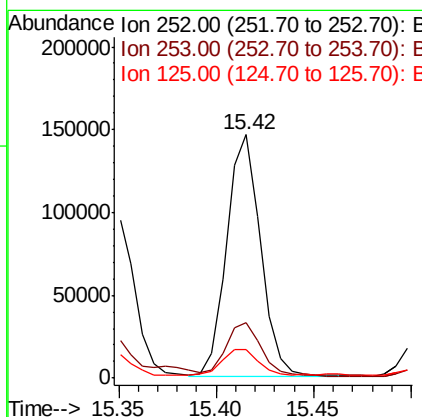
Manual Integrations
APPROVED

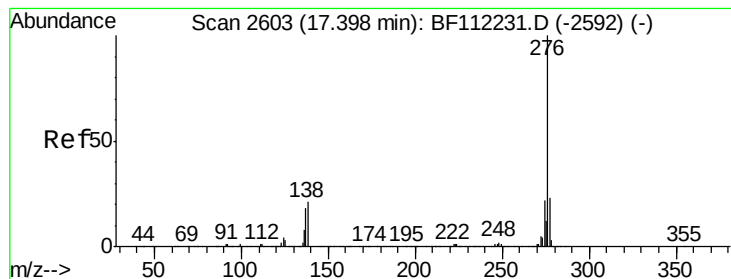
Sohil
2/12/2019 11:57:10 AM



#90
Benzo(a)pyrene
Concen: 10.417 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF112484.D
Acq: 11 Feb 2019 16:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	11.6	9.0	13.4





#92

Benzo(a,h,i)perylene

Concen: 5.767 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.02 min

Lab File: BF112484.D

Acq: 11 Feb 2019 16:49

Instrument :

BNA_F

ClientSampleId :

HOSPITAL-BOX-CULVERT-TP

Tot Ion:	276	Resp:	74391
Ion Ratio	Lower	Upper	
276	100		
277	23.1	19.4	29.0
138	21.8	19.1	28.7

Manual Integrations
APPROVED

Sohil
2/12/2019 11:57:10 AM

