

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032919\
 Data File : BF113414.D
 Acq On : 29 Mar 2019 15:32
 Operator : JU/SJ
 Sample : K2050-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-3

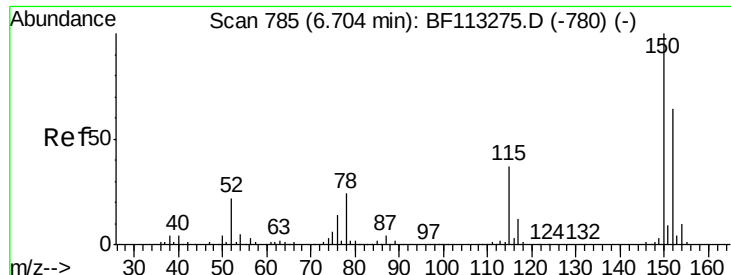
Manual Integrations
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 4/1/2019 5:46:30 PM

Quant Time: Mar 30 01:30:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	158561	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	595868	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	291346	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	601643	20.00	ng	0.00
76) Chrysene-d12	13.84	240	493742	20.00	ng	0.00
87) Perylene-d12	15.24	264	497378	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1086949	112.09	ng	0.00
7) Phenol-d6	6.35	99	1444214	117.73	ng	0.00
23) Nitrobenzene-d5	7.27	82	878853	87.54	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	387603	107.70	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1306921	66.46	ng	0.00
79) Terphenyl-d14	12.79	244	1274264	56.89	ng	0.00
Target Compounds						
10) Phenol	6.36	94	94177	6.725	ng	Qvalue # 69
32) Benzoic acid	7.77	122	111319	17.361	ng	99
50) Dimethylphthalate	9.45	163	166226	7.699	ng	99
71) Phenanthrene	11.23	178	73390	2.456	ng	96
75) Fluoranthene	12.42	202	488996	14.478	ng	99
78) Pyrene	12.64	202	451290	13.190	ng	99
81) Benzo(a)anthracene	13.83	228	191797	6.786	ng	98
83) Chrysene	13.86	228	305808	10.653	ng	98
86) Indeno(1,2,3-cd)pyrene	16.59	276	184926	7.506	ng	96
88) Benzo(b)fluoranthene	14.85	252	521298m	16.872	ng	
89) Benzo(k)fluoranthene	14.87	252	167072m	6.157	ng	
90) Benzo(a)pyrene	15.19	252	203670	7.436	ng	100
91) Dibenzo(a,h)anthracene	16.60	278	55480	2.342	ng	# 81
92) Benzo(g,h,i)perylene	17.00	276	169171	7.084	ng	97

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



#1

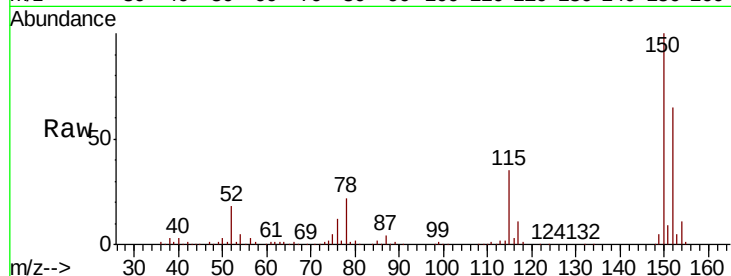
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.7	187.1
115	54.2	46.0	69.0

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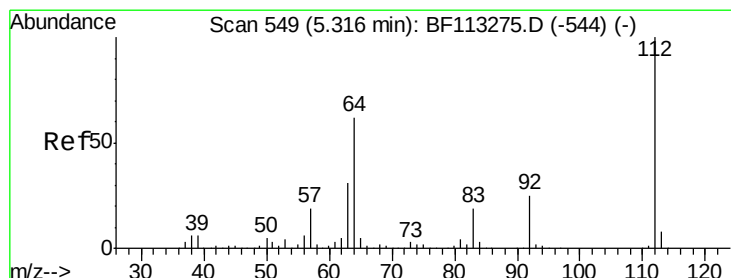
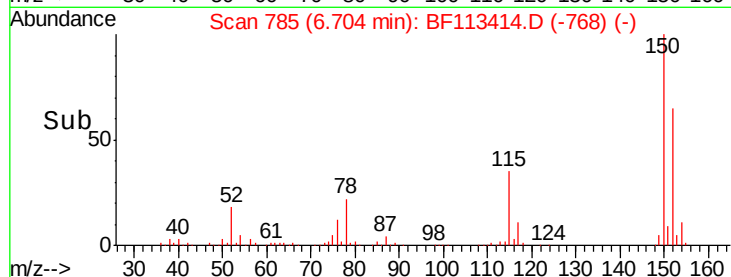
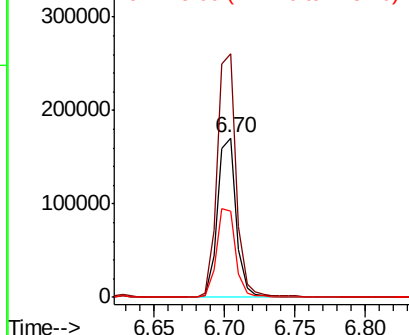


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

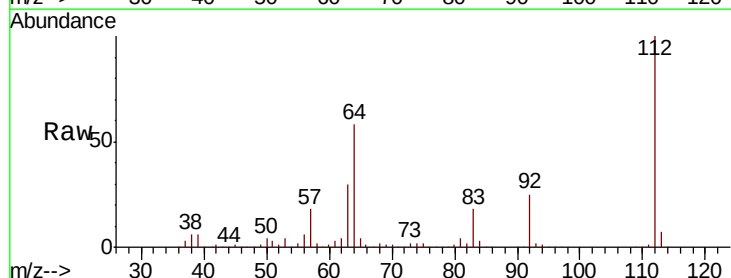
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 112.089 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	49.2	73.8
63	29.9	24.9	37.3

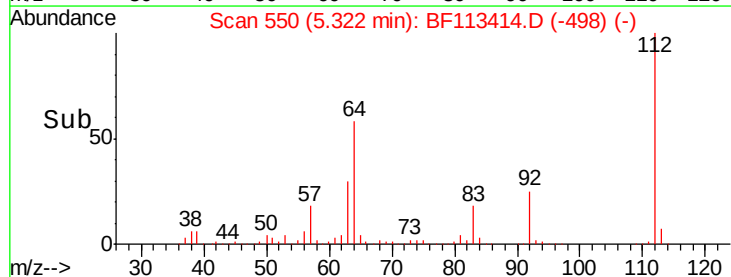
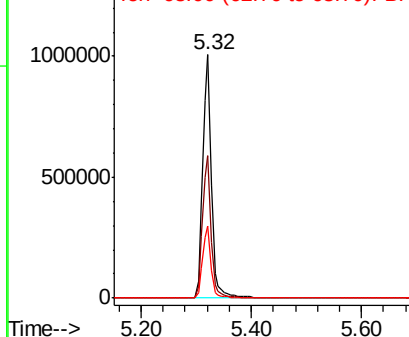


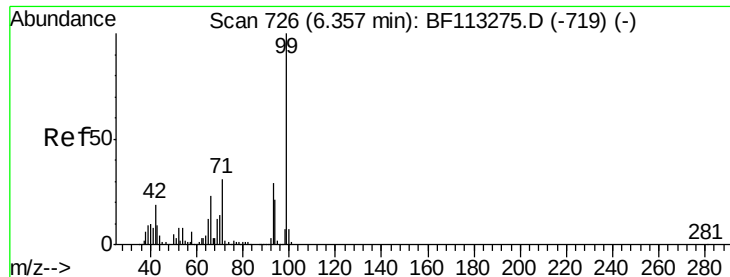
Abundance

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





#7

Phenol-d6

Concen: 117.727 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

Instrument :

BNA_F

ClientSampled :

CS-3

Tgt Ion: 99 Resp: 1444214

Ion Ratio Lower Upper

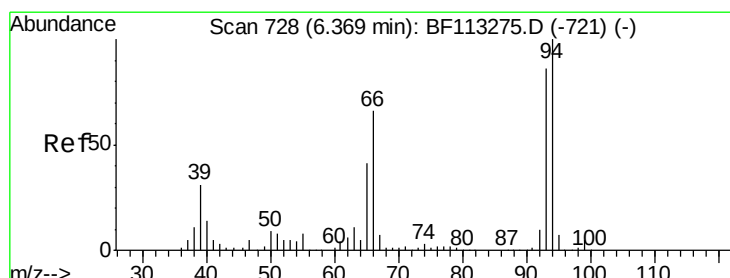
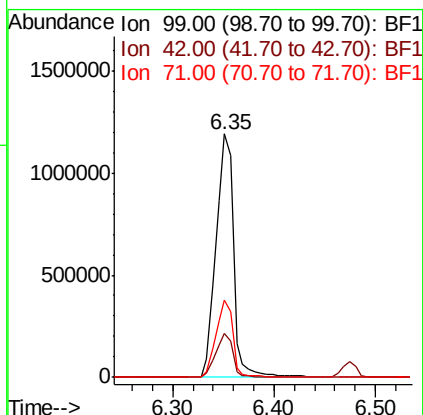
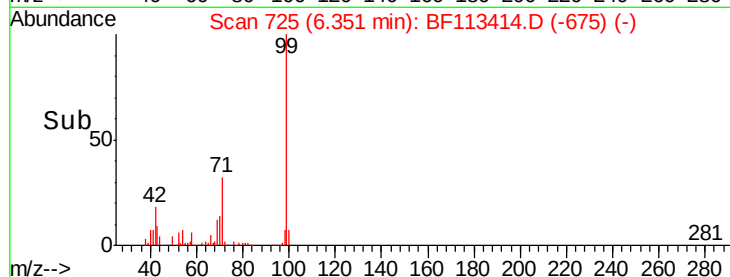
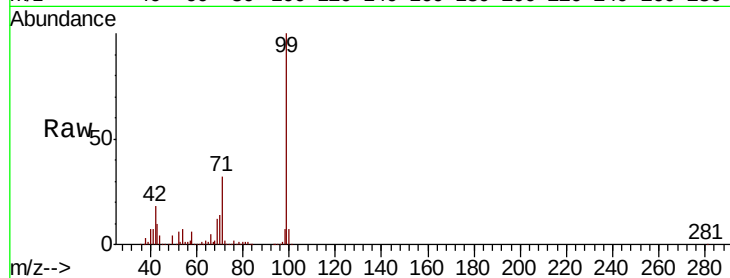
99 100

42 18.1 14.8 22.2

71 32.0 24.9 37.3

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#10

Phenol

Concen: 6.725 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

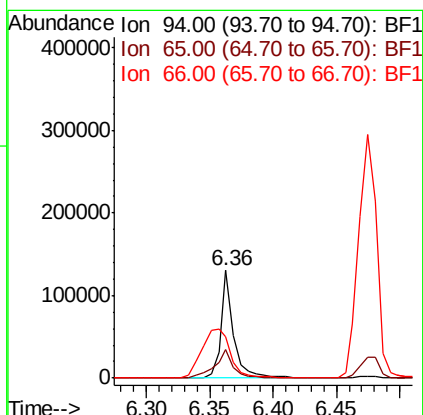
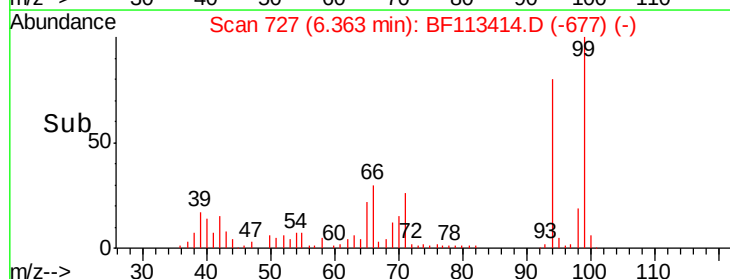
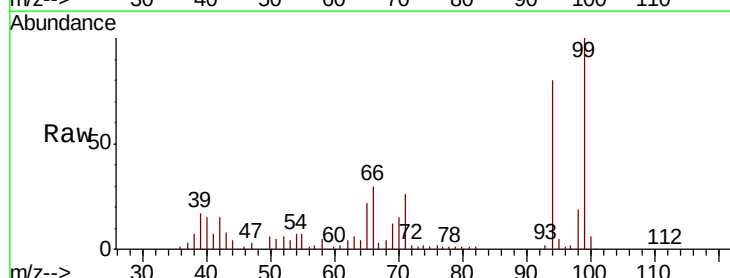
Tgt Ion: 94 Resp: 94177

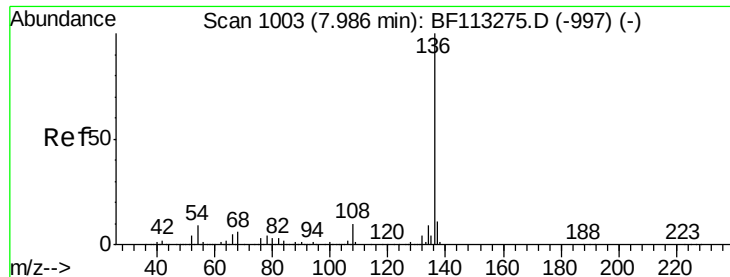
Ion Ratio Lower Upper

94 100

65 27.0 21.4 61.4

66 37.9 46.4 86.4#





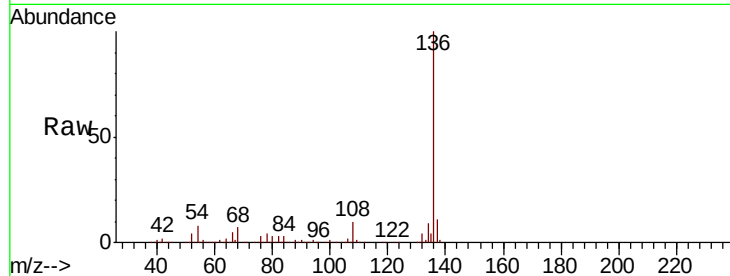
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Instrument :
BNA_F
ClientSampleId :
CS-3

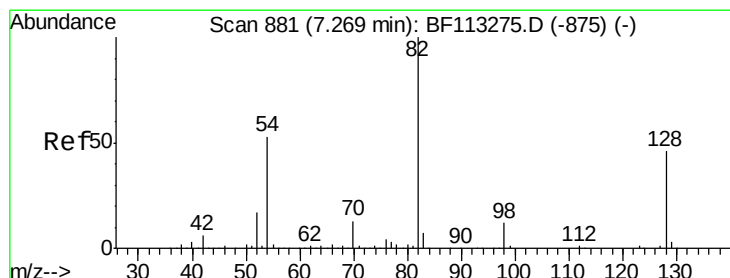
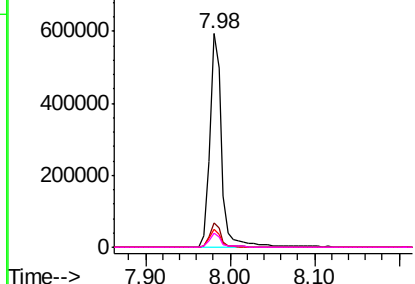
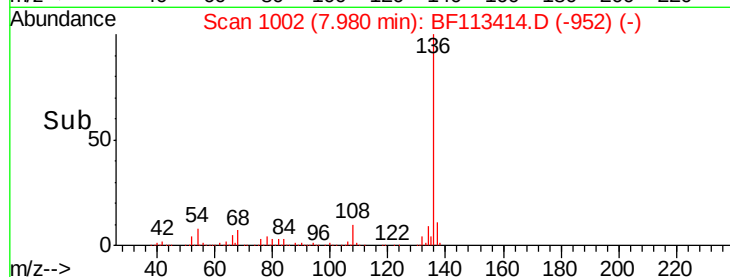
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	595868		
137	11.2	8.9	13.3	
54	8.4	7.0	10.6	
68	6.5	4.8	7.2	

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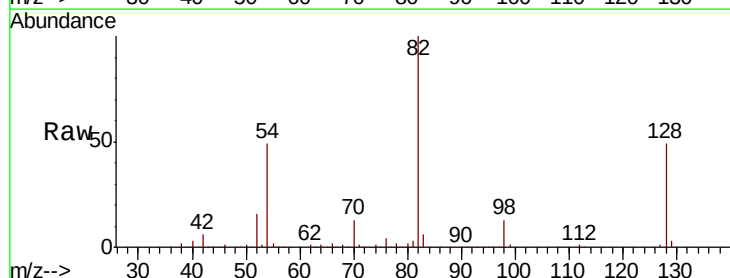


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

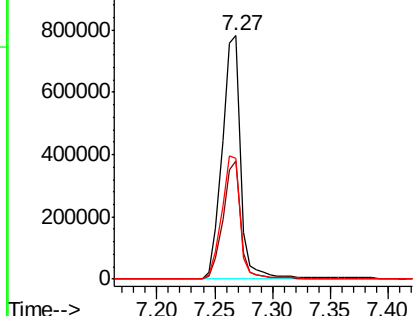
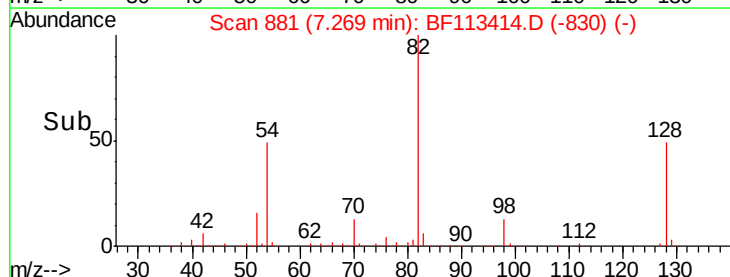


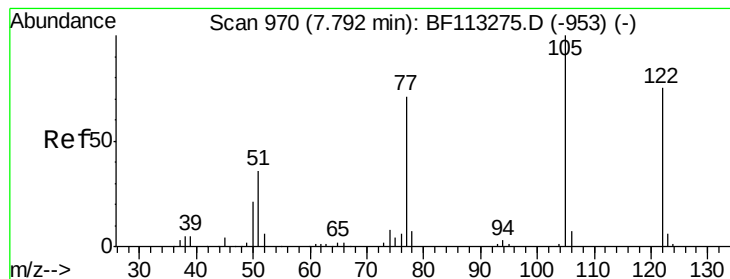
#23
Nitrobenzene-d5
Concen: 87.542 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	878853		
128	48.5	36.5	54.7	
54	49.4	42.2	63.2	



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





#32

Benzoic acid

Concen: 17.361 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

Instrument :

BNA_F

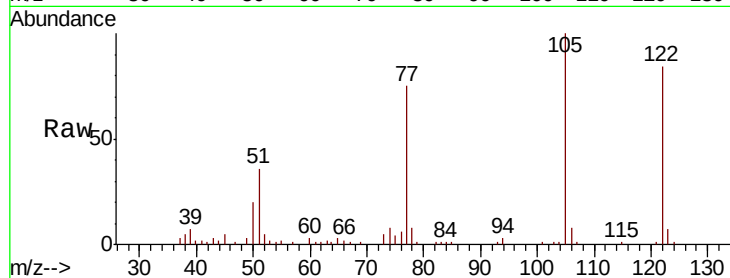
ClientSampleId :

CS-3

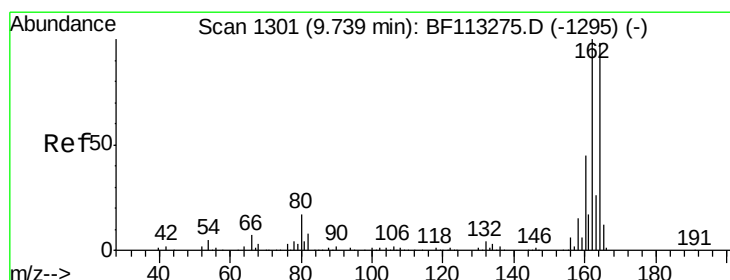
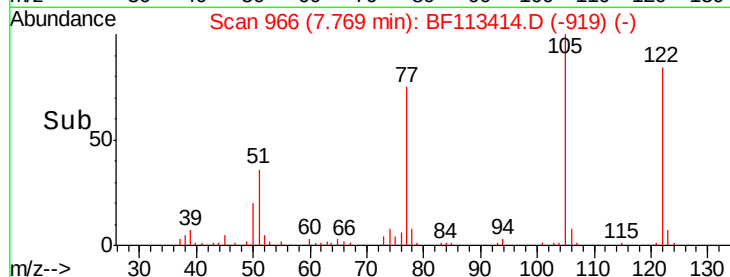
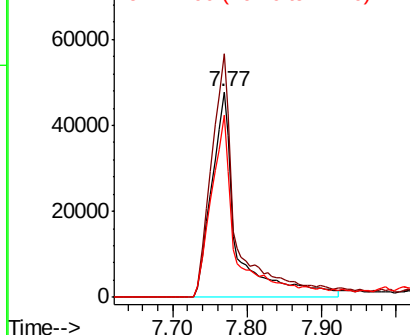
Tgt Ion:	122	Resp:	111319
Ion Ratio	Lower	Upper	
122	100		
105	118.4	100.4	140.4
77	88.6	69.0	109.0

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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

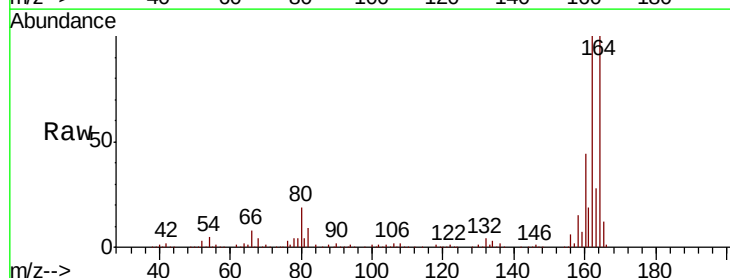
RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

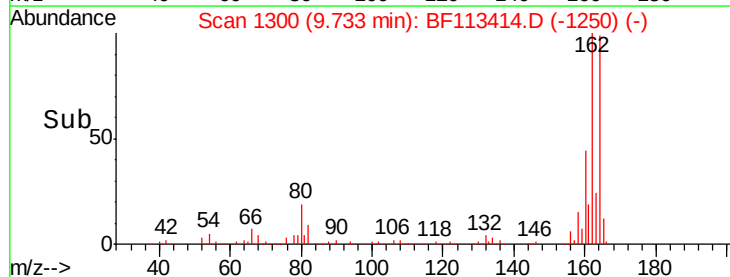
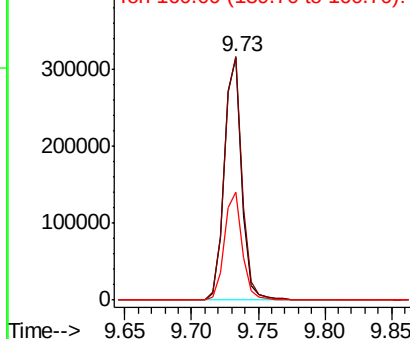
Lab File: BF113414.D

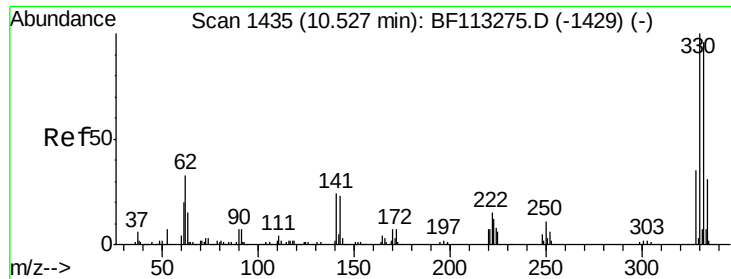
Acq: 29 Mar 2019 15:32

Tgt Ion:	164	Resp:	291346
Ion Ratio	Lower	Upper	
164	100		
162	100.2	81.8	122.6
160	44.3	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





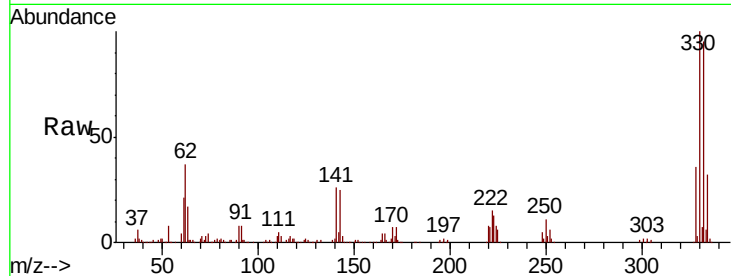
#42
 2,4,6-Tribromophenol
 Concen: 107.704 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113414.D
 Acq: 29 Mar 2019 15:32

Instrument :
 BNA_F
 ClientSampled :
 CS-3

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	387603		
332	94.8	77.8	116.6	
141	27.8	22.7	34.1	

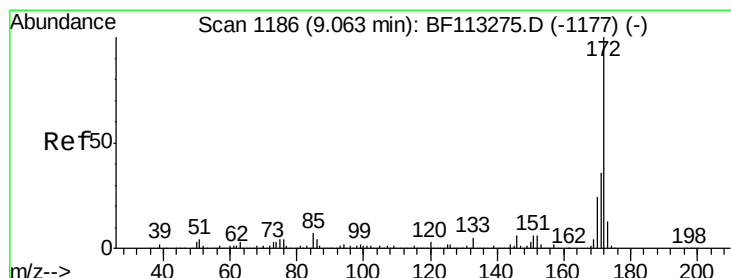
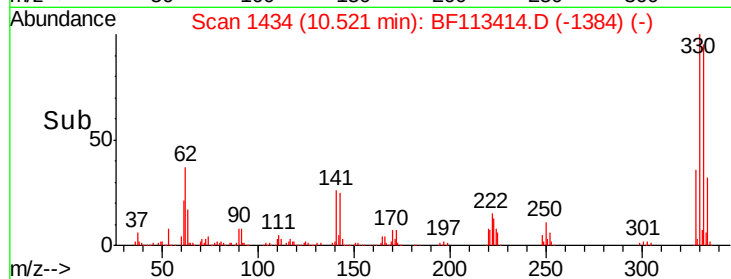
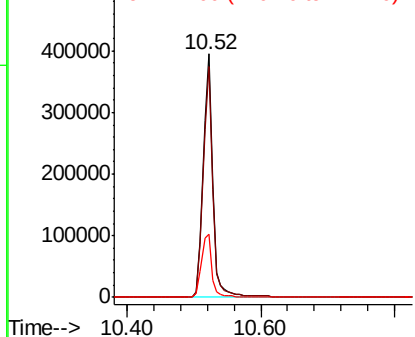
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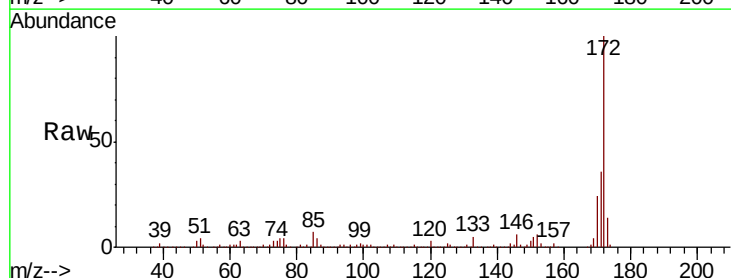
Abundance

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



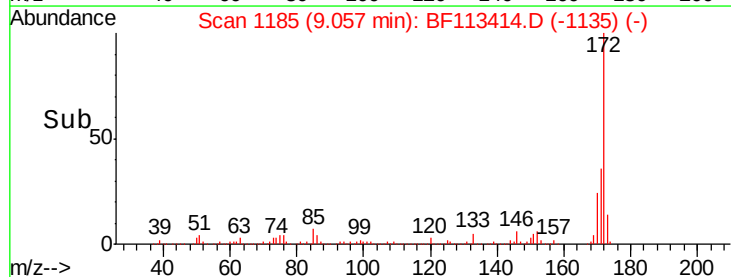
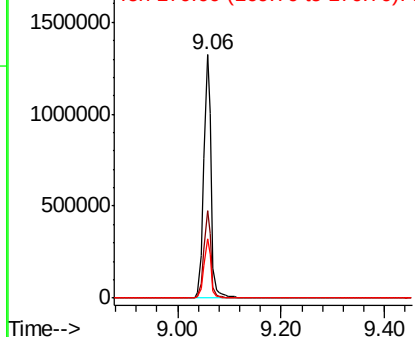
#45
 2-Fluorobiphenyl
 Concen: 66.462 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF113414.D
 Acq: 29 Mar 2019 15:32

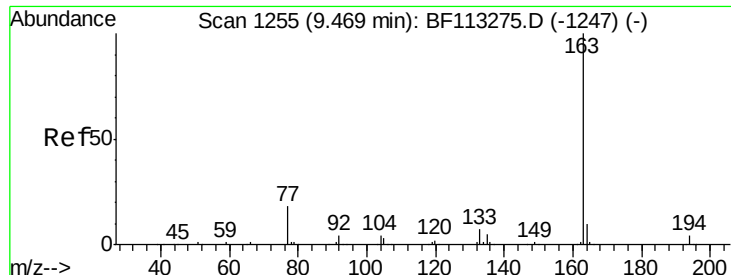
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1306921		
171	35.7	29.0	43.6	
170	24.2	19.5	29.3	



Abundance

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





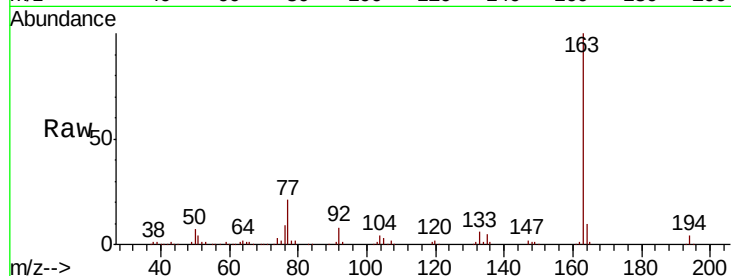
#50
Dimethylphthalate
Concen: 7.699 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Instrument :
BNA_F
ClientSampled :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	166226		
194	3.8		3.0	4.6
164	9.8		8.1	12.1

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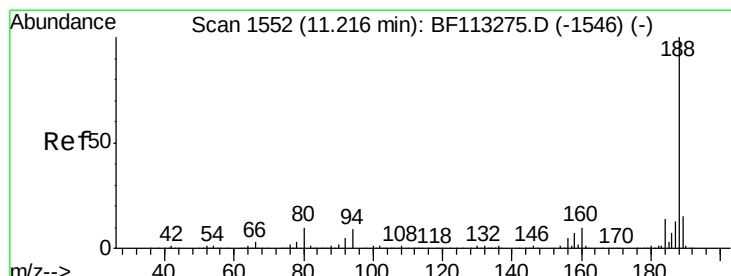
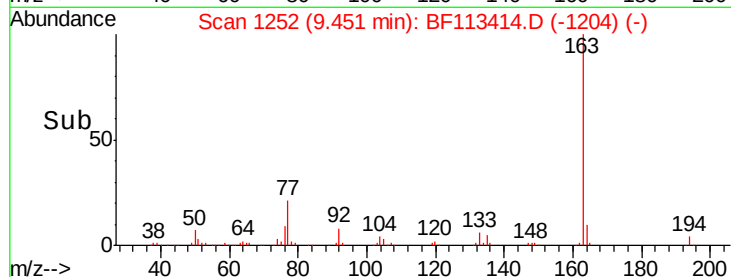
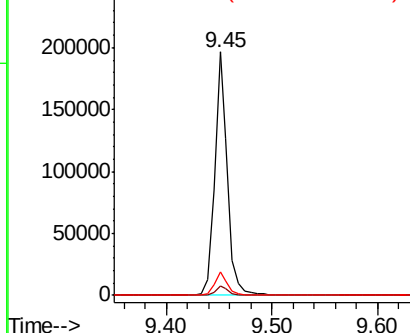


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

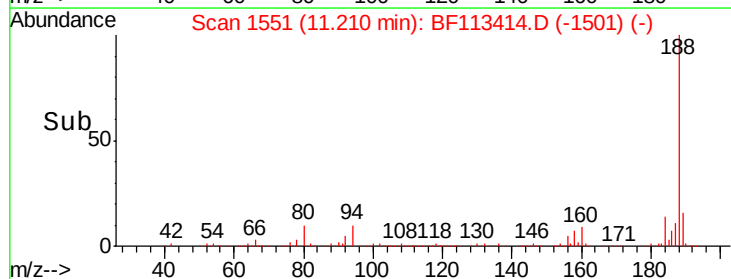
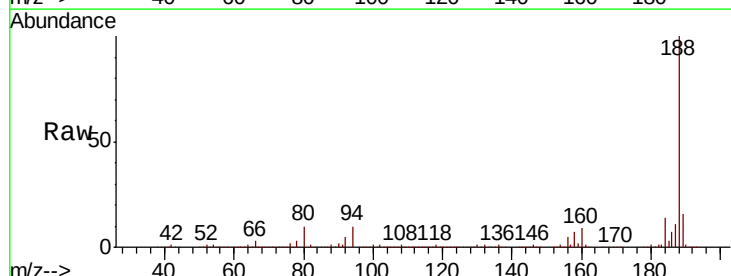
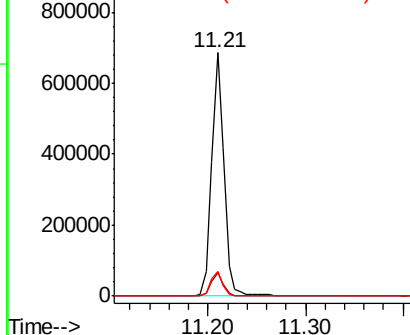
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	601643		
94	9.6		7.0	10.6
80	10.3		7.7	11.5

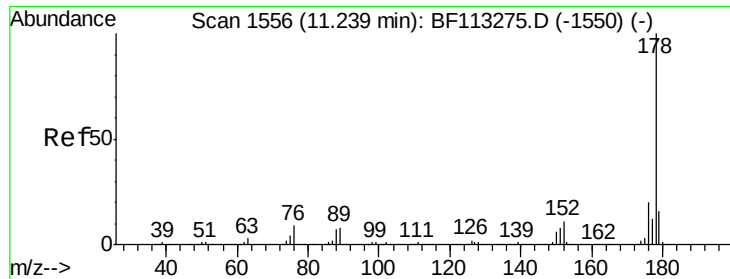
Abundance

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





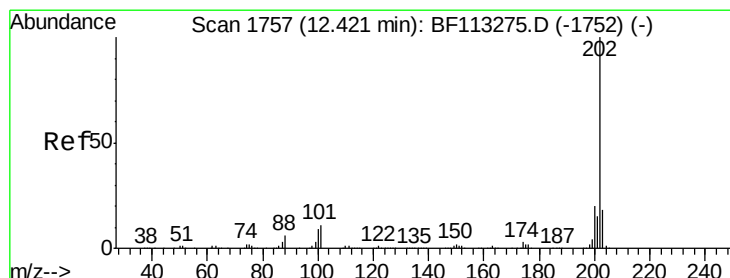
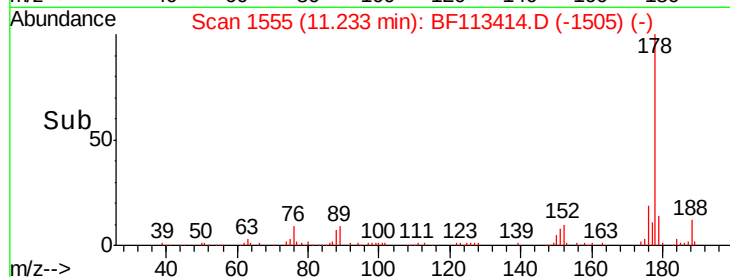
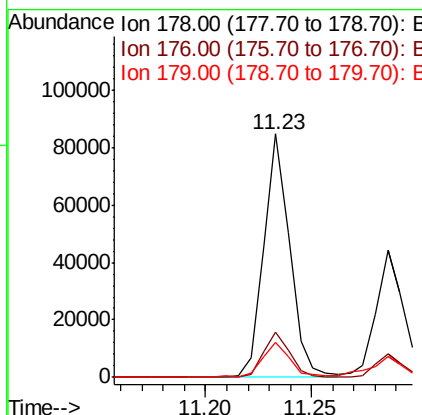
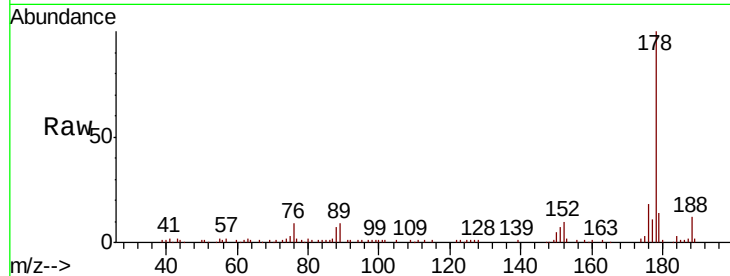
#71
Phenanthrene
Concen: 2.456 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Instrument :
BNA_F
ClientSampled :
CS-3

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.2	24.2
179	14.2	12.7	19.1

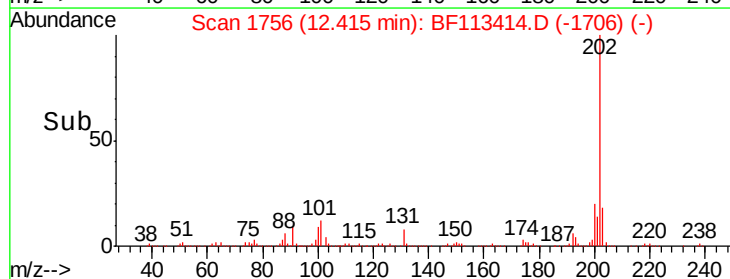
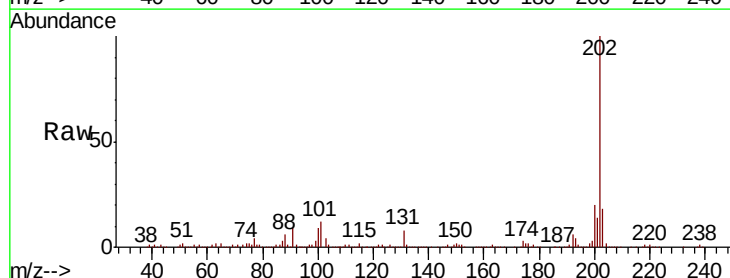
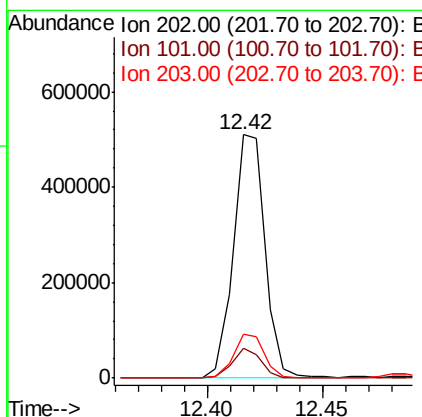
Manual Integrations
APPROVED

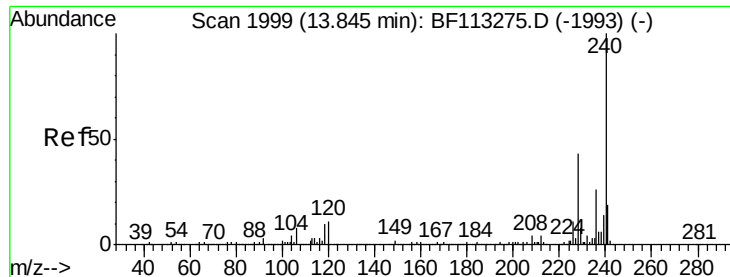
Sohil
4/1/2019 5:46:30 PM



#75
Fluoranthene
Concen: 14.478 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.4
203	17.8	0.0	38.0





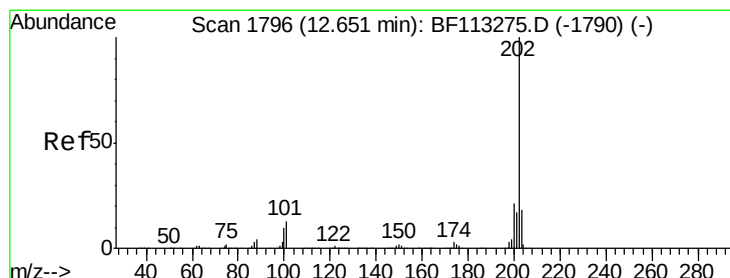
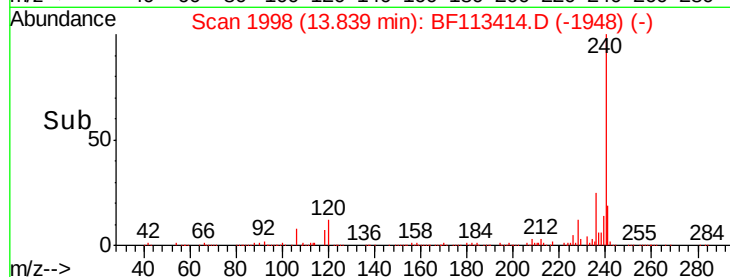
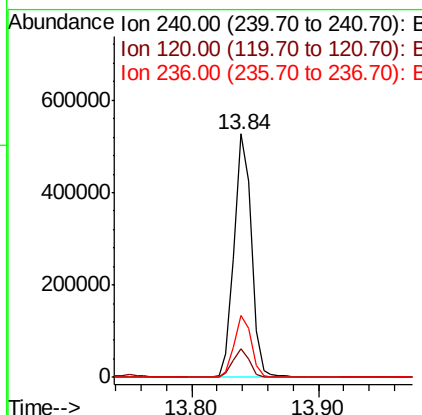
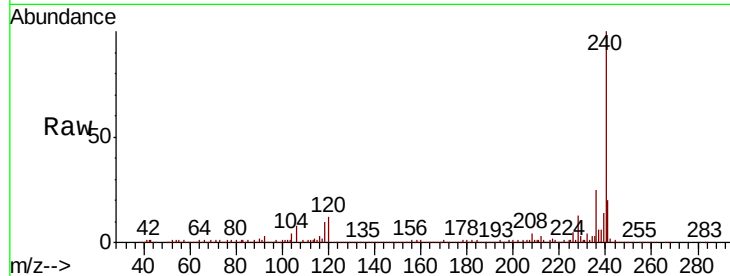
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Instrument :
BNA_F
ClientSampleId :
CS-3

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	493742		
120	11.9	8.8	13.2	
236	25.4	20.9	31.3	

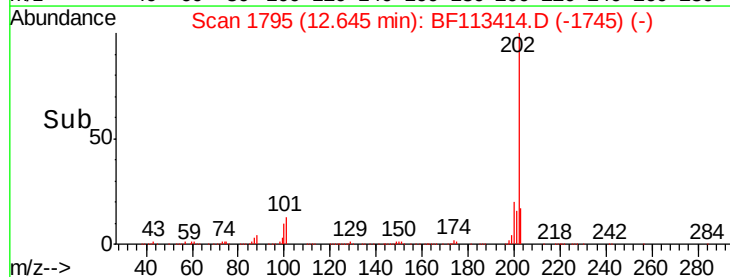
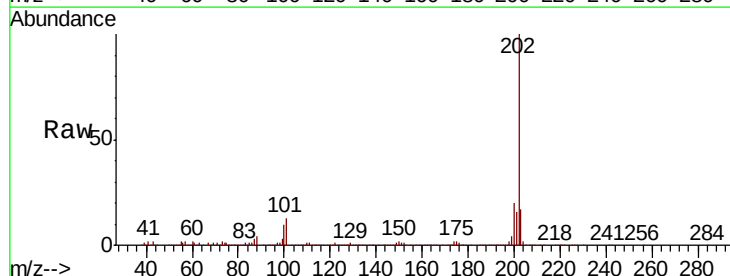
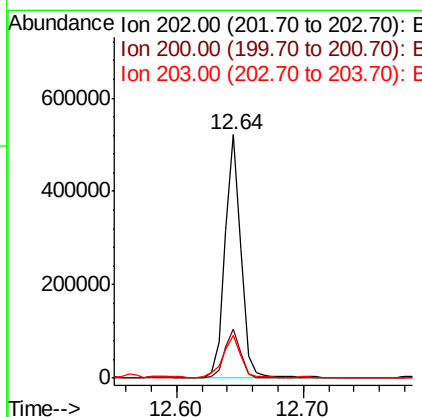
Manual Integrations
APPROVED

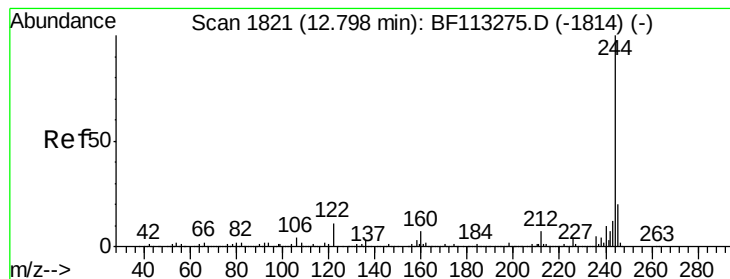
Sohil
4/1/2019 5:46:30 PM



#78
Pyrene
Concen: 13.190 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	451290		
200	20.4	16.8	25.2	
203	17.4	14.4	21.6	





#79

Terphenyl-d14

Concen: 56.886 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

Instrument :

BNA_F

ClientSampled :

CS-3

Tgt Ion:244 Resp: 1274264

Ion Ratio Lower Upper

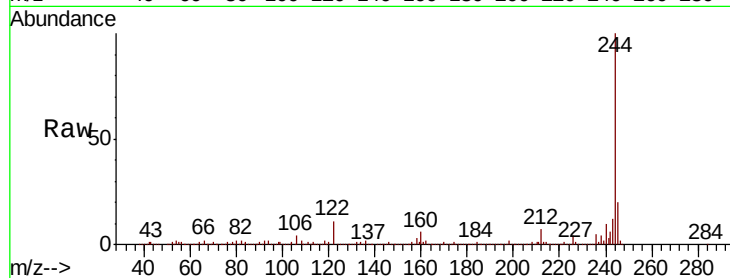
244 100

212 6.7 5.5 8.3

122 11.0 8.6 13.0

Manual Integrations
APPROVED

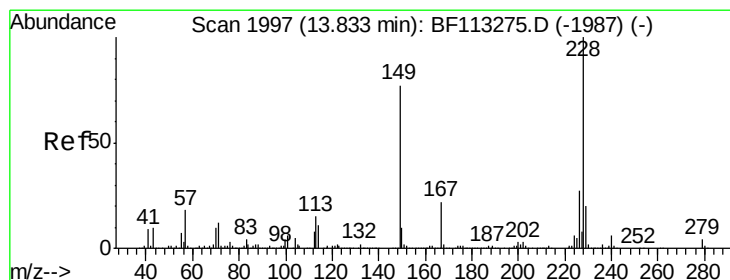
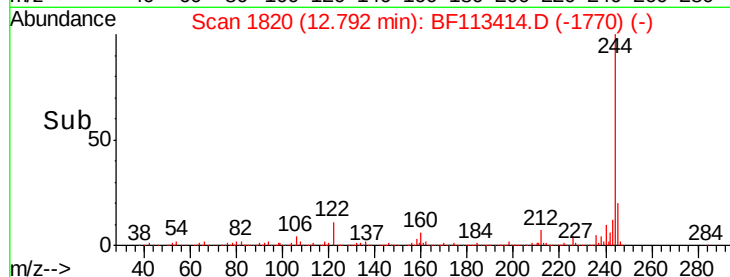
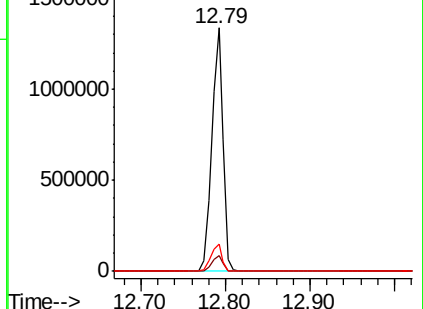
Sohil
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.786 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF113414.D

Acq: 29 Mar 2019 15:32

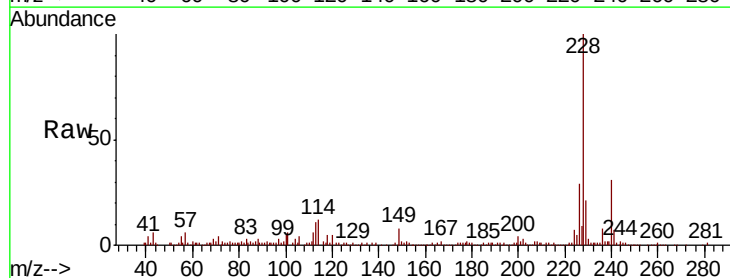
Tgt Ion:228 Resp: 191797

Ion Ratio Lower Upper

228 100

226 28.6 21.8 32.8

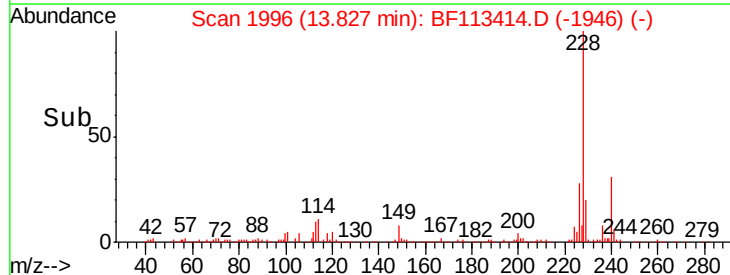
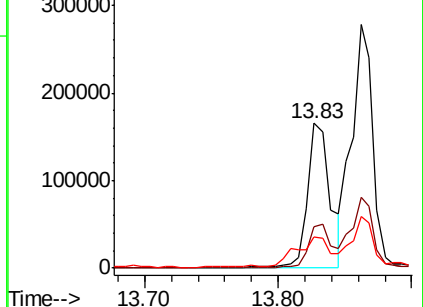
229 21.3 16.2 24.4

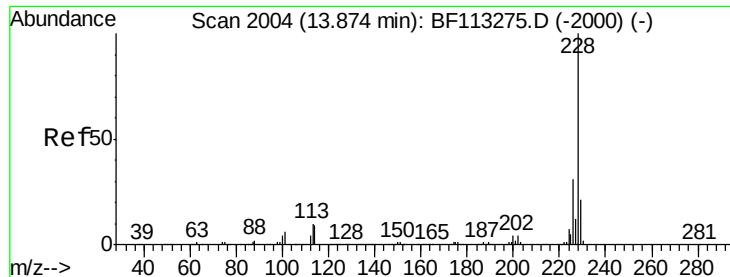


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





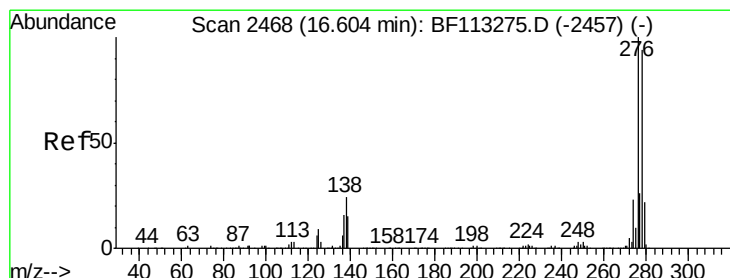
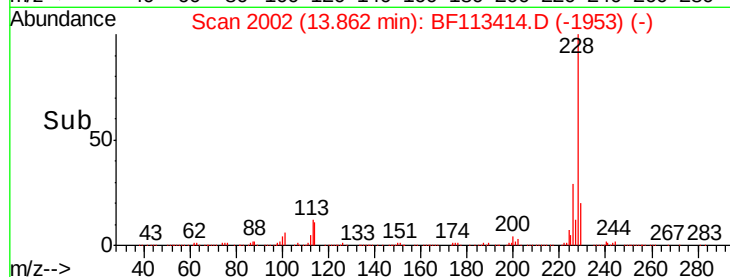
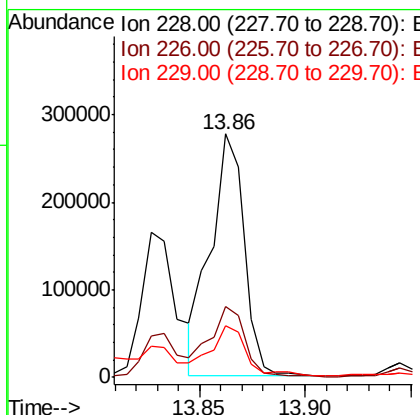
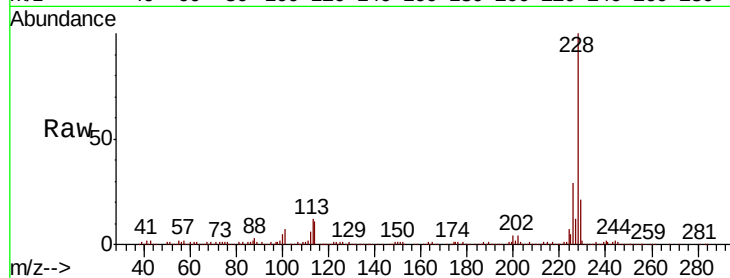
#83
Chrysene
Concen: 10.653 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Instrument :
BNA_F
ClientSampled :
CS-3

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	305808		
226	29.4	24.3	36.5	
229	21.0	16.3	24.5	

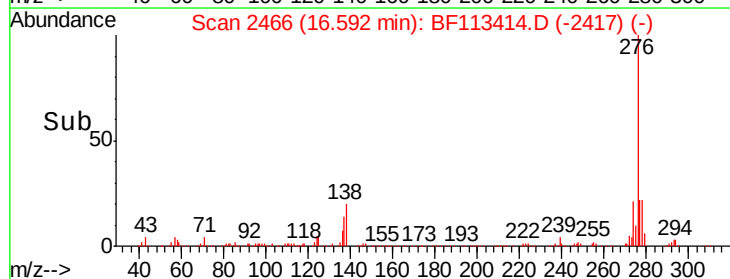
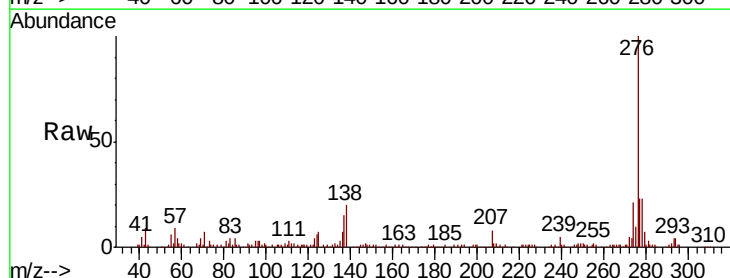
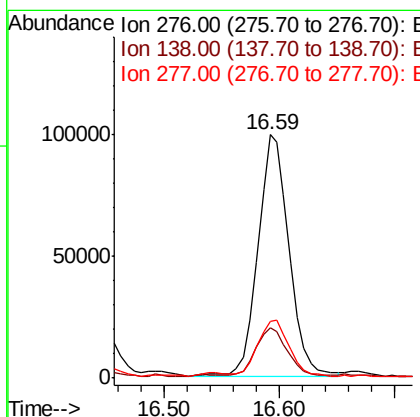
Manual Integrations
APPROVED

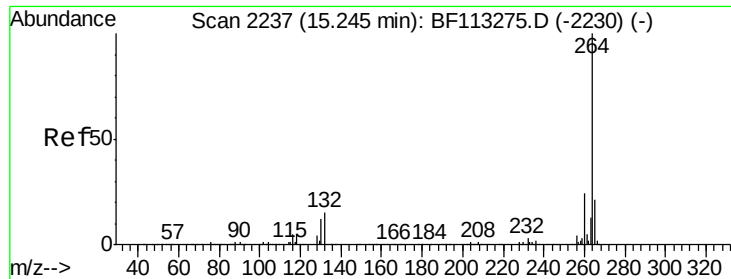
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.506 ng
RT: 16.59 min Scan# 2466
Delta R.T. -0.01 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	184926		
138	20.9	18.1	27.1	
277	23.1	20.2	30.4	





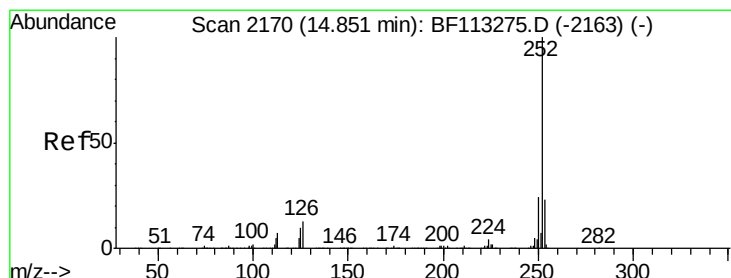
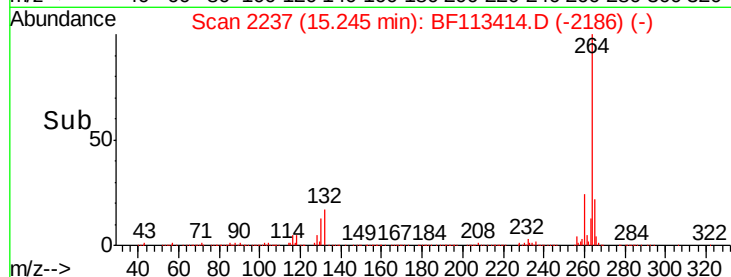
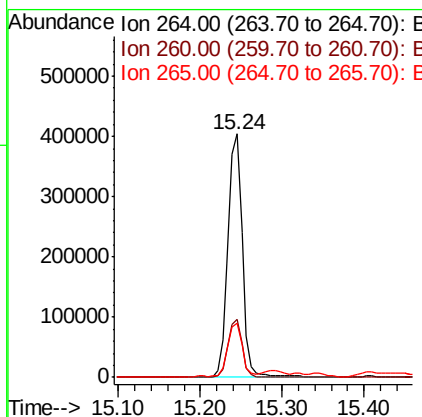
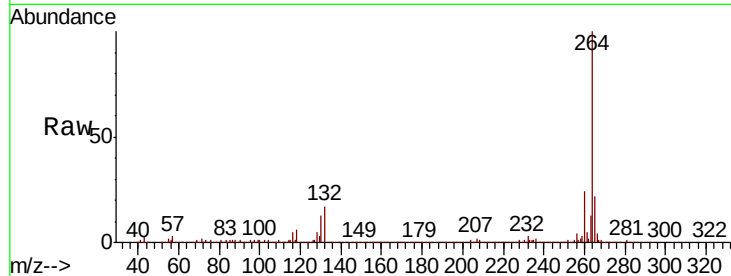
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Instrument :
BNA_F
ClientSampled :
CS-3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	22.5	17.1	25.7

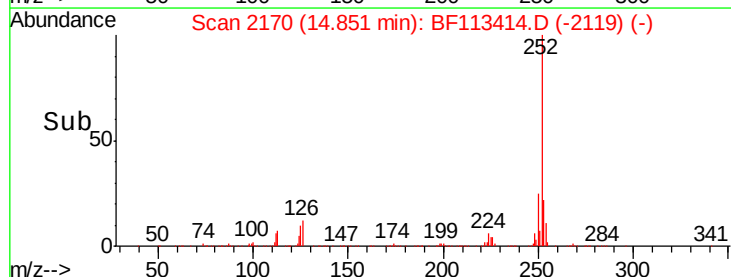
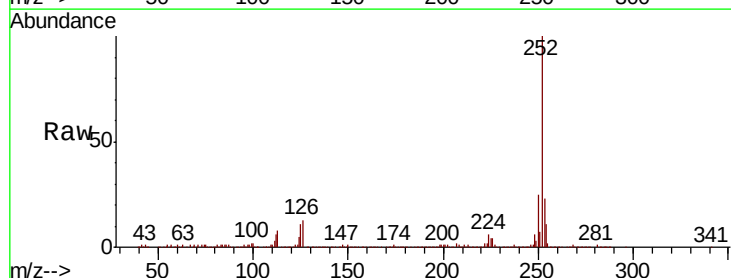
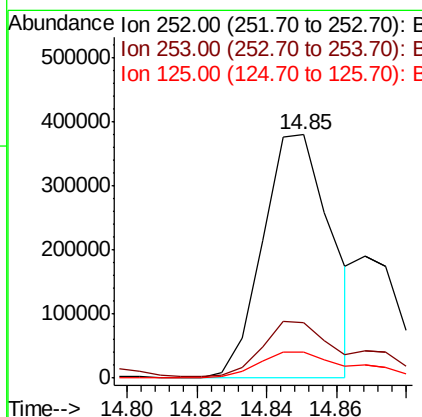
Manual Integrations
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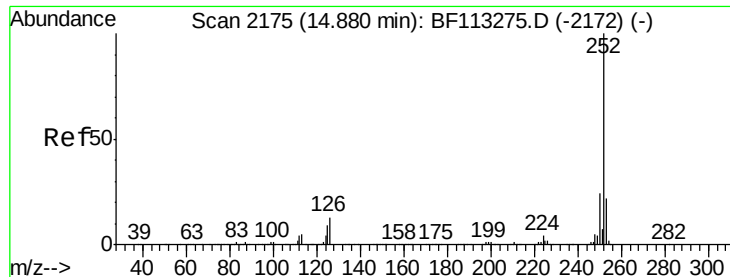
Sohil
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#88
Benzo(b)fluoranthene
Concen: 16.872 ng m
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	10.8	7.6	11.4





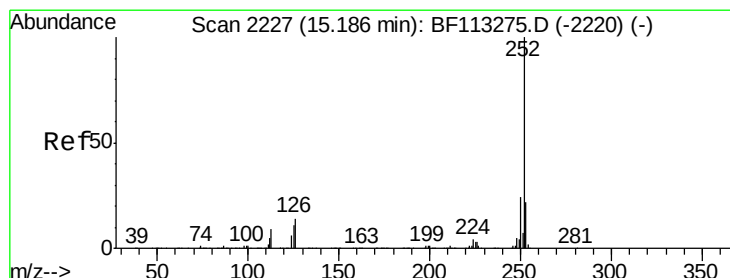
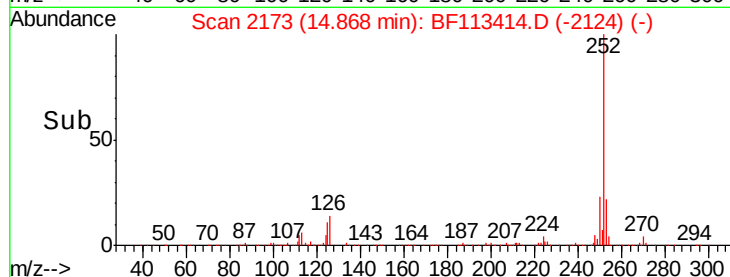
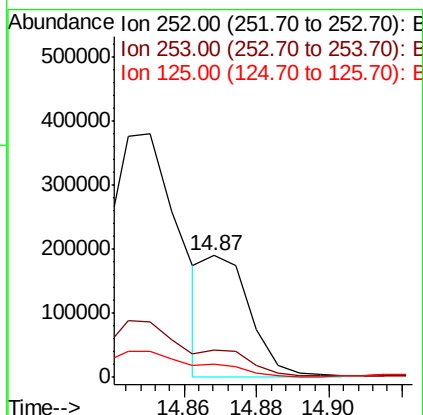
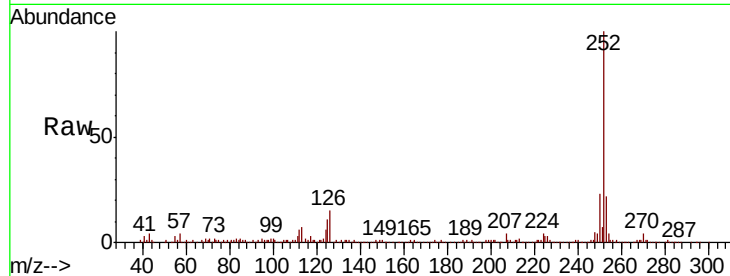
#89
Benzo(k)fluoranthene
Concen: 6.157 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Instrument :
BNA_F
ClientSampled :
CS-3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.3	7.3	10.9

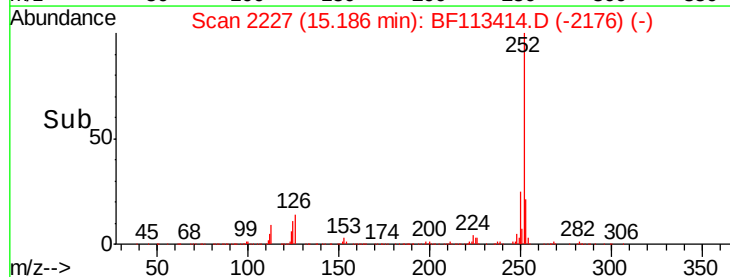
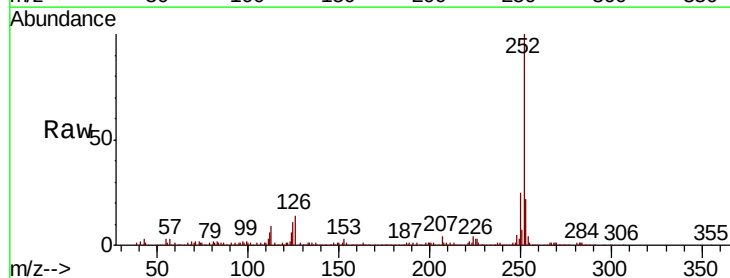
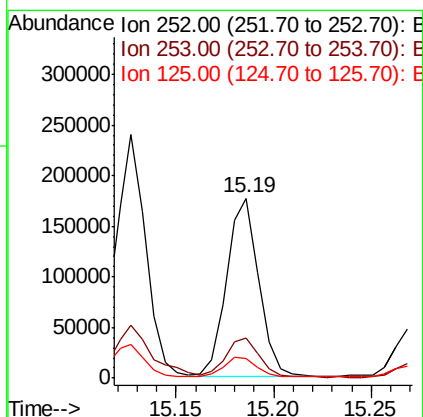
Manual Integrations
APPROVED

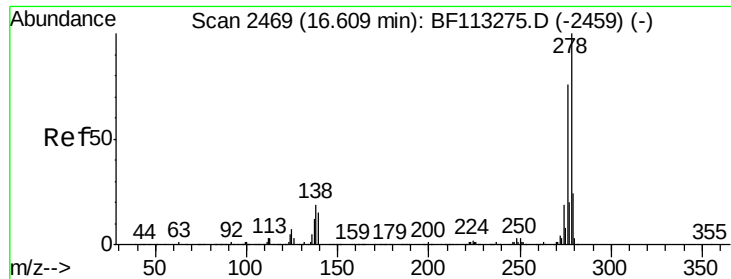
Sohil
4/1/2019 5:46:30 PM



#90
Benzo(a)pyrene
Concen: 7.436 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	10.9	8.8	13.2





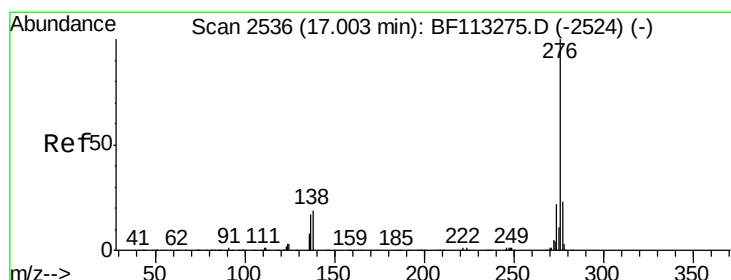
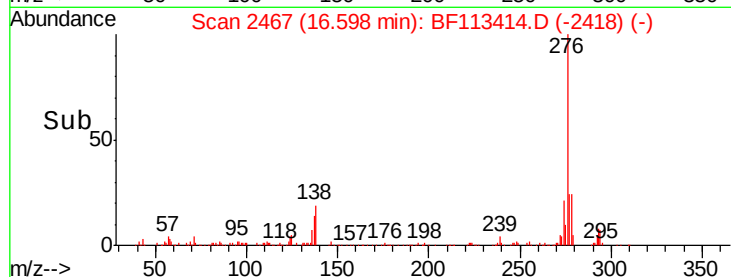
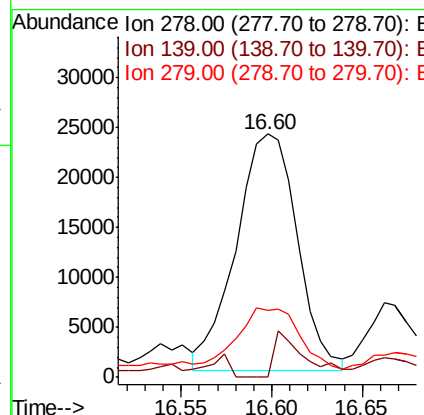
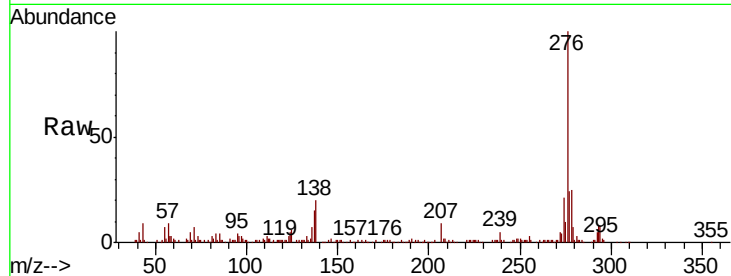
#91
Dibenzo(a,h)anthracene
Concen: 2.342 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Instrument :
BNA_F
ClientSampleId :
CS-3

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	27.7	19.0	28.6

Manual Integrations
APPROVED

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4/1/2019 5:46:30 PM



#92
Benzo(g,h,i)perylene
Concen: 7.084 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.00 min
Lab File: BF113414.D
Acq: 29 Mar 2019 15:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	21.1	15.6	23.4

