

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095426.D
 Acq On : 25 May 2017 16:39
 Operator : SJ/MA
 Sample : I3310-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-2019

Manual Integrations
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Quant Time: May 26 02:15:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	90253	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	376308	20.00	ng	-0.02
38) Acenaphthene-d10	12.59	164	166729	20.00	ng	-0.02
63) Phenanthrene-d10	15.01	188	248907	20.00	ng	-0.02
75) Chrysene-d12	18.71	240	124211	20.00	ng	0.02
86) Perylene-d12	20.39	264	125321	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	661370	122.17	ng	-0.04
7) Phenol-d6	7.29	99	799276	123.06	ng	-0.02
23) Nitrobenzene-d5	8.65	82	456329	76.47	ng	-0.02
41) 2,4,6-Tribromophenol	13.90	330	147066	107.70	ng	-0.02
44) 2-Fluorobiphenyl	11.54	172	815497	70.40	ng	-0.02
78) Terphenyl-d14	17.34	244	419435	74.38	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	10.94	142	25878	2.08	ng	95
49) Dimethylphthalate	12.23	163	320024	23.38	ng	99
70) Phenanthrene	15.05	178	106466	7.44	ng	99
73) Di-n-butylphthalate	15.97	149	582586	35.15	ng	99
74) Fluoranthene	16.79	202	140912	9.61	ng	96
77) Pyrene	17.10	202	142238	15.31	ng	# 92
80) Benzo(a)anthracene	18.70	228	51043	7.06	ng	# 84
82) Chrysene	18.74	228	46859	6.70	ng	# 90
83) Bis(2-ethylhexyl)phthalate	18.75	149	22502	3.66	ng	# 67
85) Indeno(1,2,3-cd)pyrene	21.75	276	39157	6.90	ng	# 86
91) Benzo(g,h,i)perylene	22.14	276	40197	6.94	ng	# 71

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

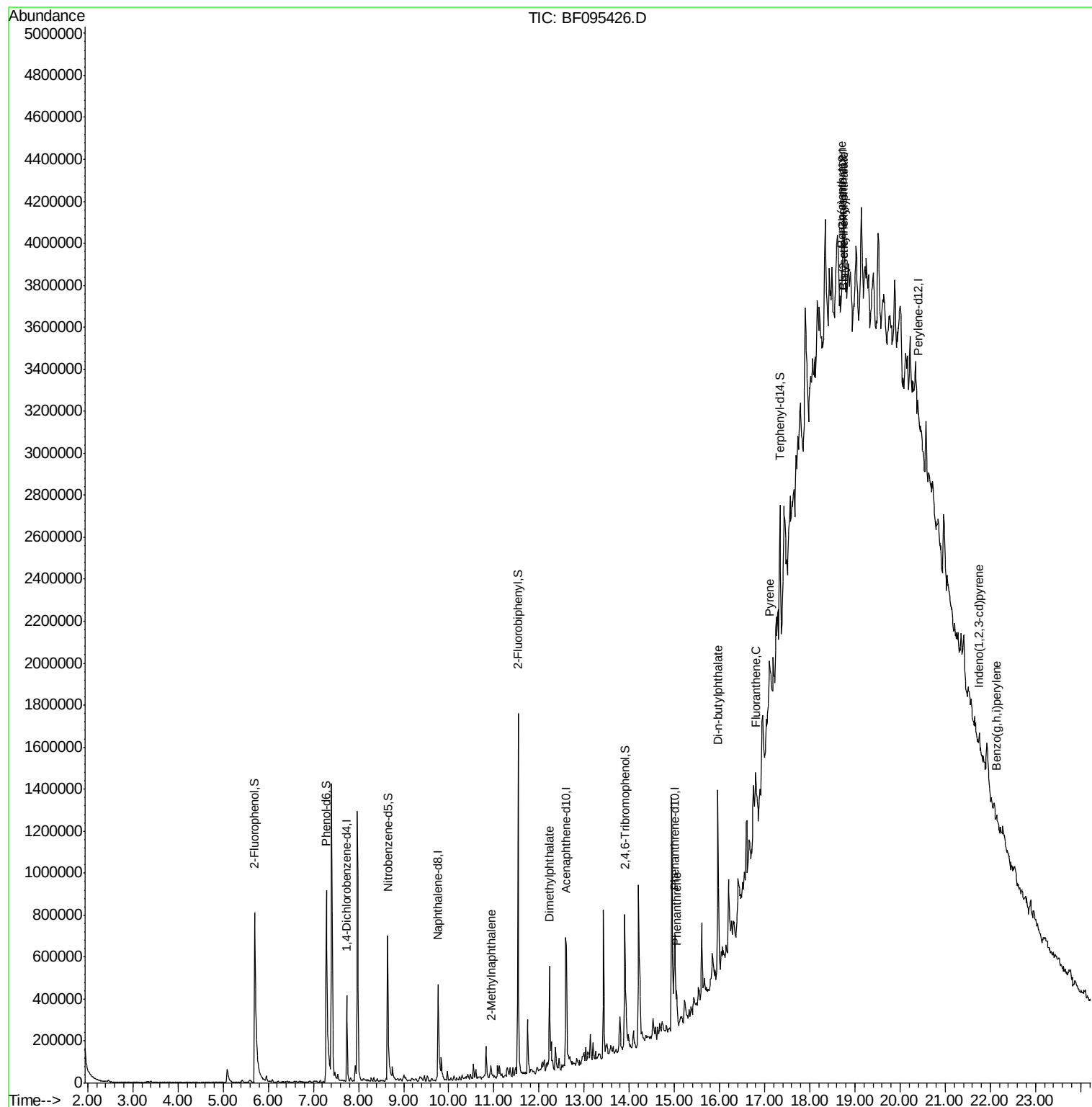
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095426.D
Acq On : 25 May 2017 16:39
Operator : SJ/MA
Sample : I3310-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

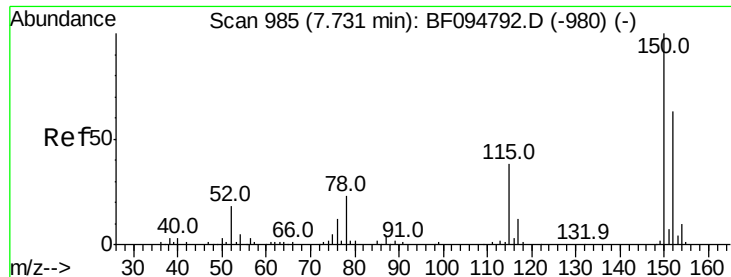
Instrument :
BNA_F
ClientSampled :
RO-2019

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Quant Time: May 26 02:15:27 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
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#1

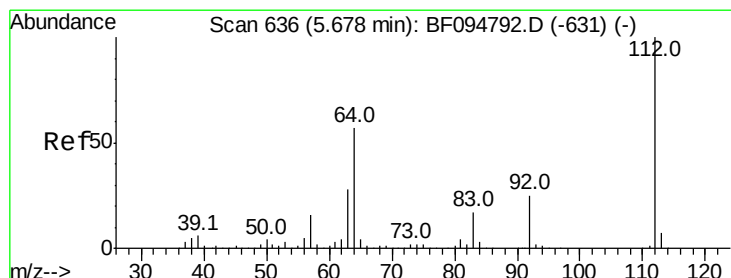
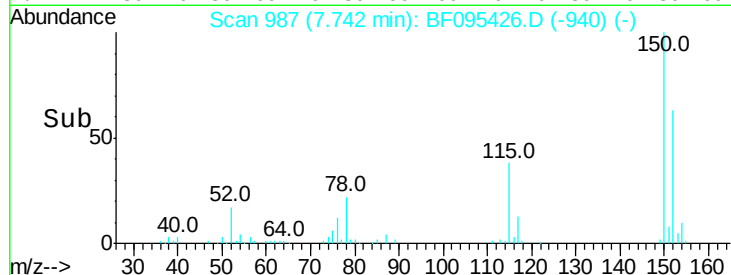
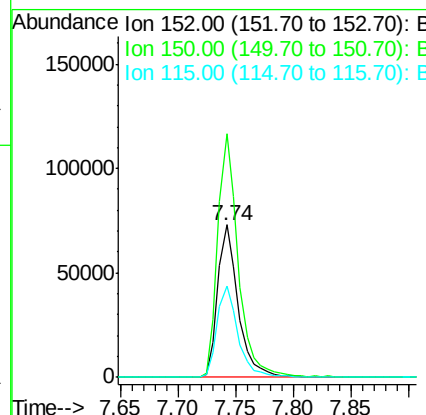
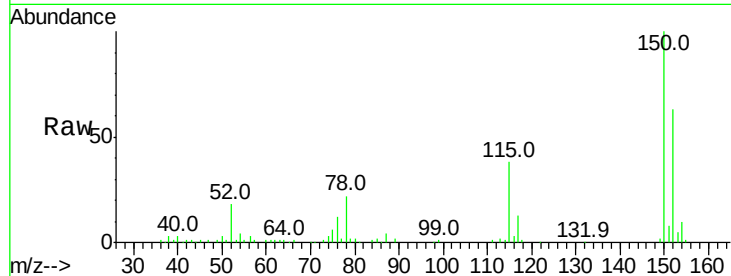
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095426.D
Acq: 25 May 2017 16:39

Instrument :
BNA_F
ClientSampled :
RO-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.2	189.2
115	60.2	52.2	78.2

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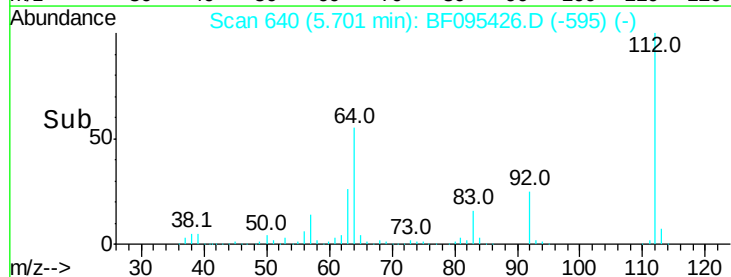
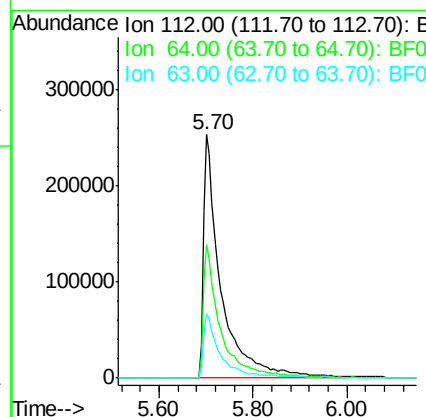
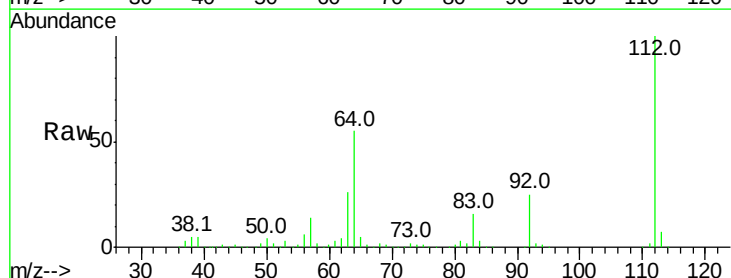
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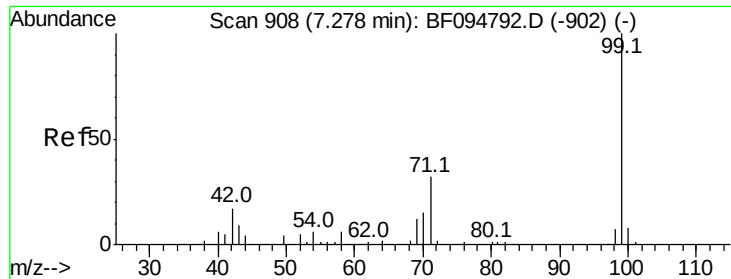


#5

2-Fluorophenol
Concen: 122.17 ng
RT: 5.70 min Scan# 640
Delta R.T. -0.04 min
Lab File: BF095426.D
Acq: 25 May 2017 16:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	46.0	69.0
63	26.4	23.4	35.0





#7

Phenol-d6

Concen: 123.06 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

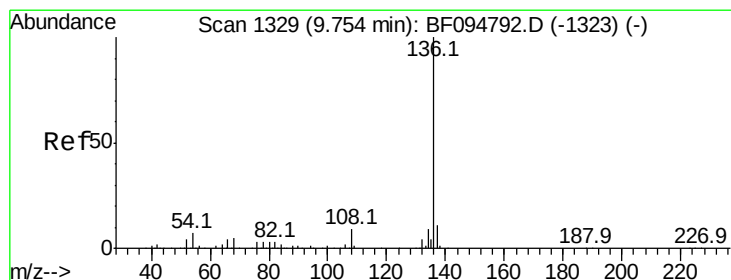
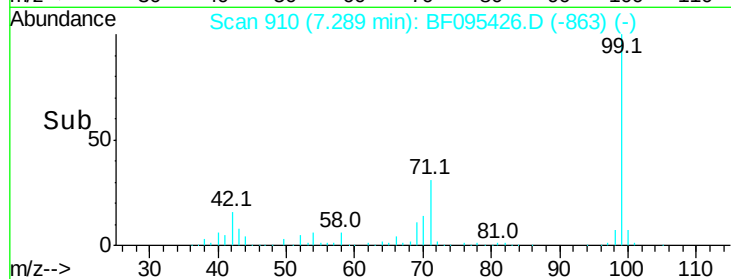
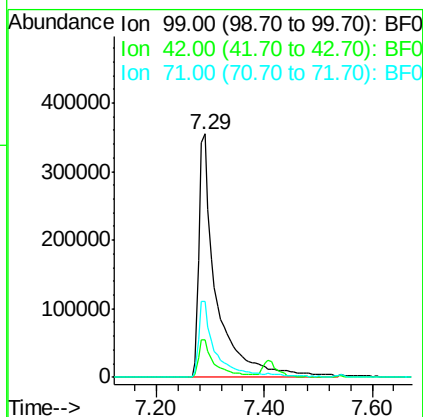
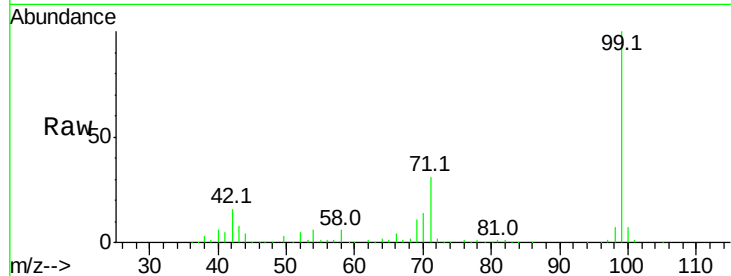
ClientSampleId :

RO-2019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		799276		
42	15.7	13.5	20.3		
71	30.9	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

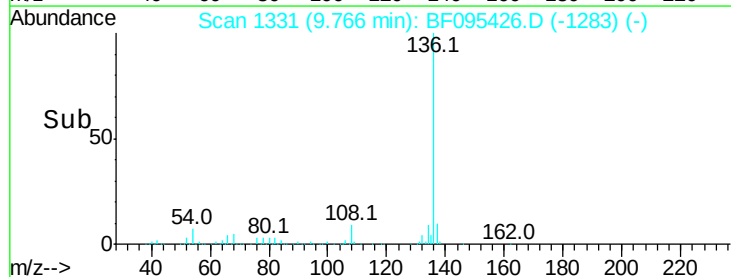
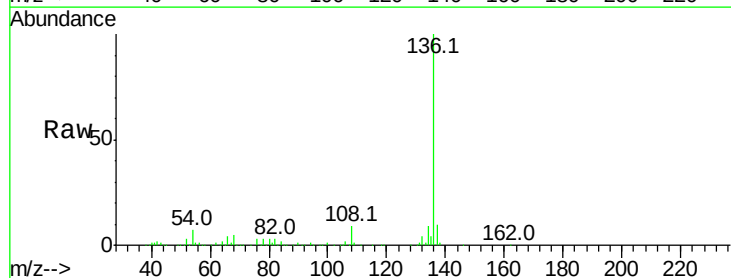
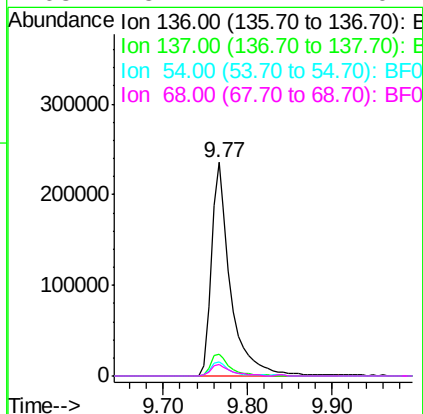
RT: 9.77 min Scan# 1331

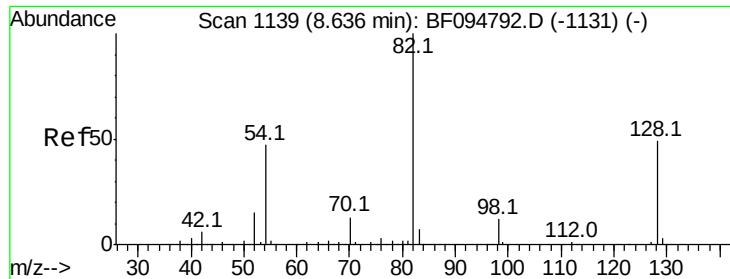
Delta R.T. -0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		376308		
137	10.5	8.5	12.7		
54	6.7	4.9	7.3		
68	5.4	4.1	6.1		





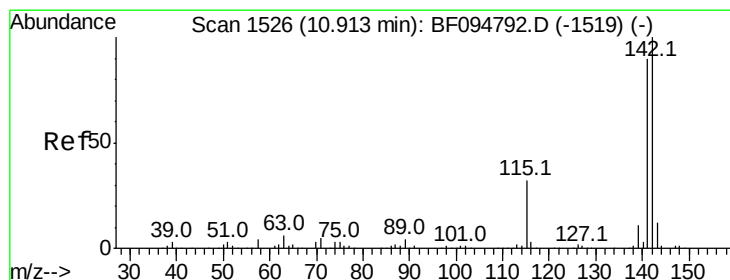
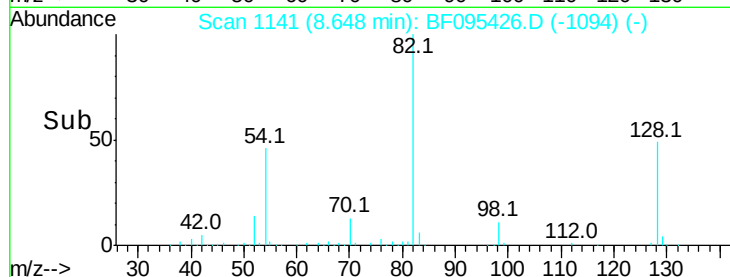
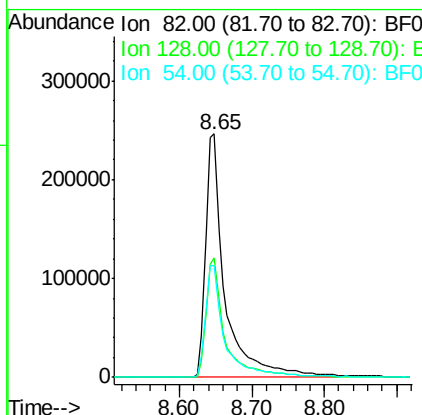
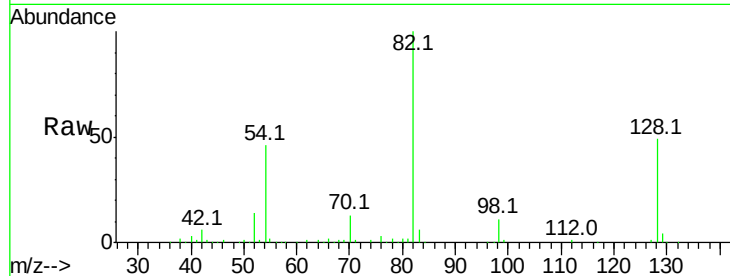
#23
 Nitrobenzene-d5
 Concen: 76.47 ng
 RT: 8.65 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF095426.D
 Acq: 25 May 2017 16:39

Instrument :
 BNA_F
 ClientSampleId :
 RO-2019

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.9	34.0	51.0	
54	46.0	42.2	63.2	

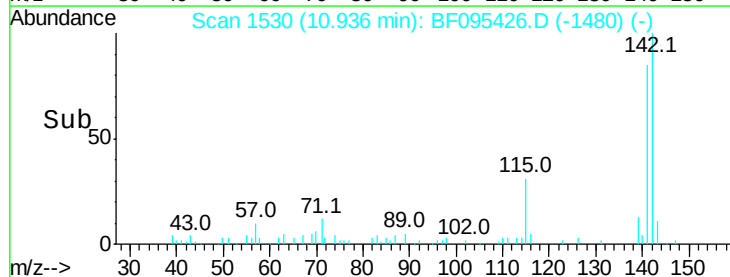
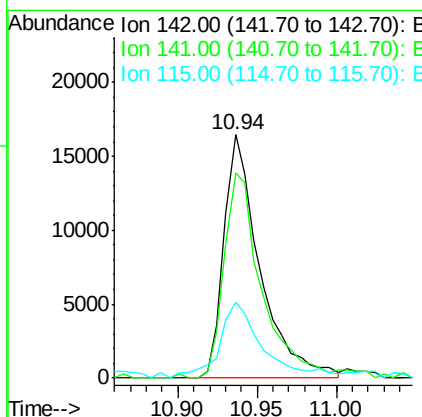
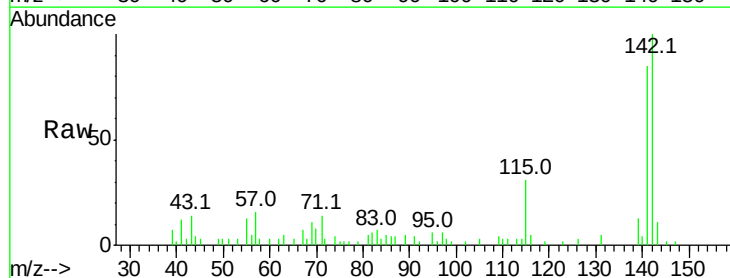
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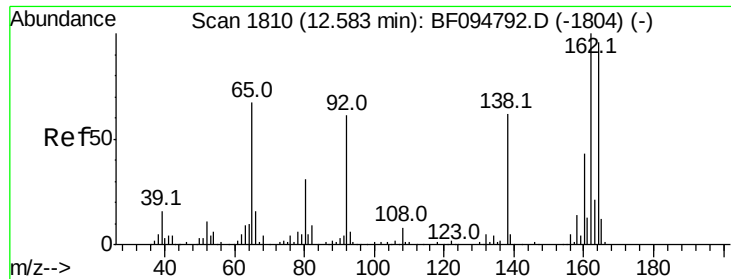
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#37
 2-Methylnaphthalene
 Concen: 2.08 ng
 RT: 10.94 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: BF095426.D
 Acq: 25 May 2017 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	84.5	71.3	106.9	
115	31.0	27.1	40.7	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.59 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

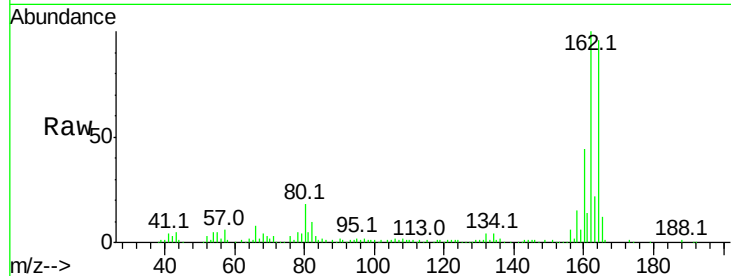
ClientSampleId :

RO-2019

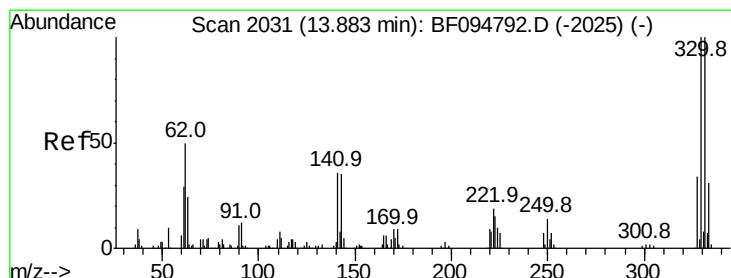
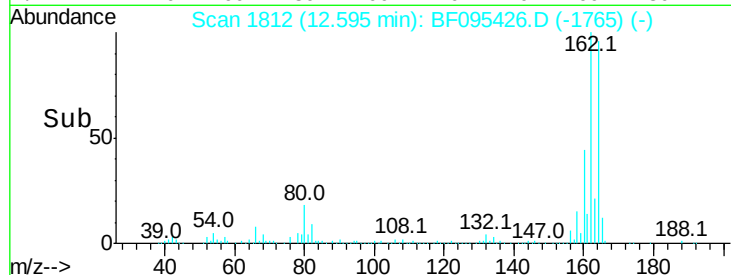
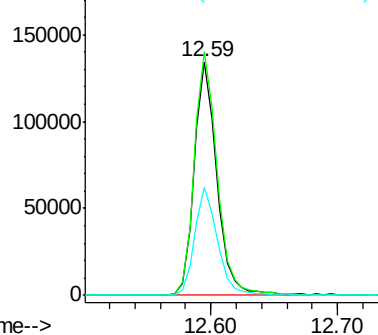
Tot Ion:	164	Resp:	166729
Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.6	123.8
160	45.9	36.2	54.2

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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



#41

2,4,6-Tribromophenol

Concen: 107.70 ng

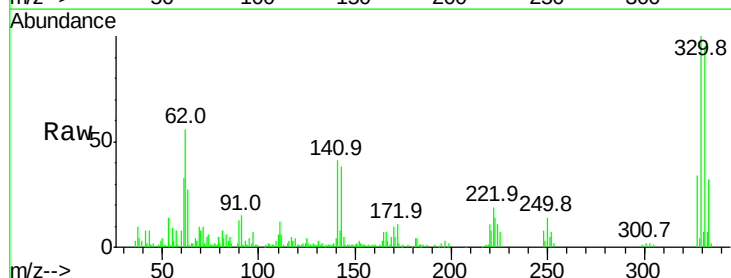
RT: 13.90 min Scan# 2034

Delta R.T. -0.02 min

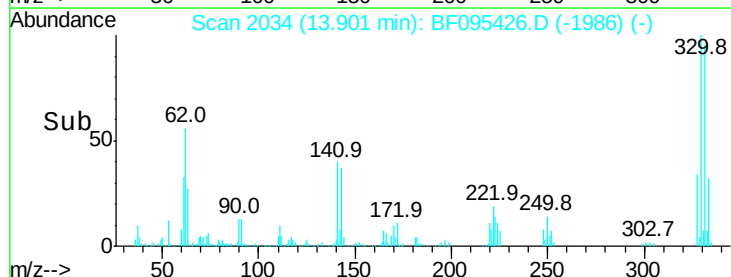
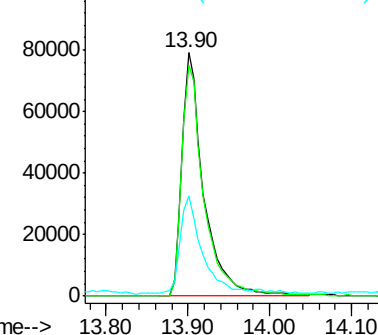
Lab File: BF095426.D

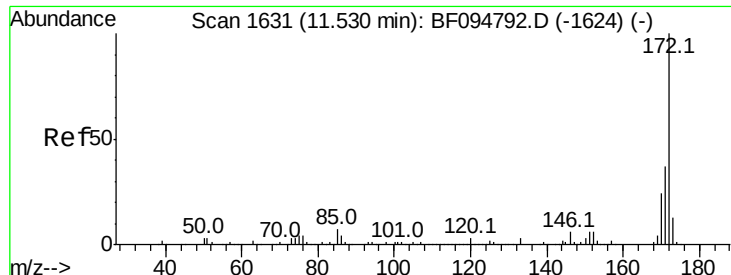
Acq: 25 May 2017 16:39

Tgt Ion:	330	Resp:	147066
Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	39.3	31.4	47.2



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





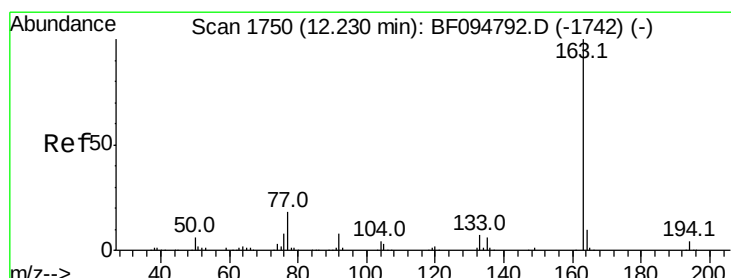
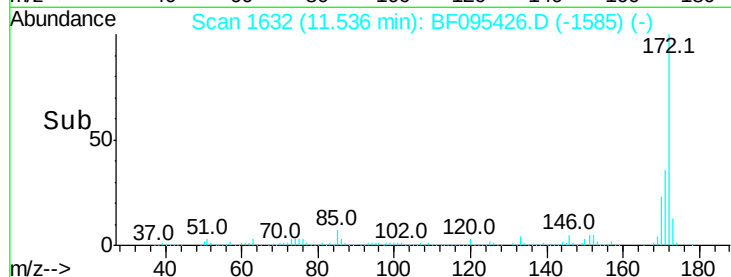
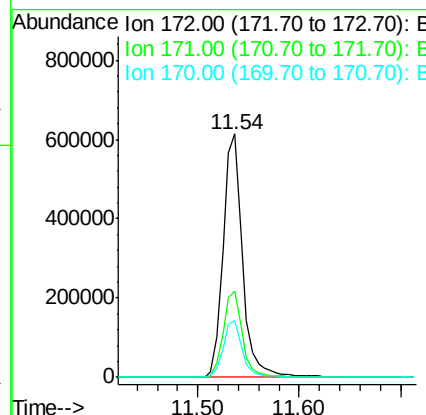
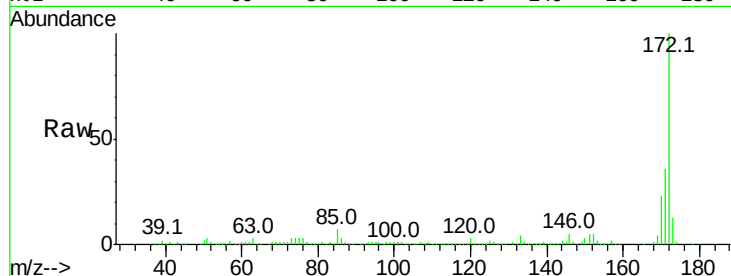
#44
2-Fluorobiphenyl
Concen: 70.40 ng
RT: 11.54 min Scan# 1632
Delta R.T. -0.02 min
Lab File: BF095426.D
Acq: 25 May 2017 16:39

Instrument :
BNA_F
ClientSampleId :
RO-2019

Tot Ion	Ratio	Resp	Lower	Upper
172	100	815497		
171	35.5		29.6	44.4
170	23.3		19.8	29.8

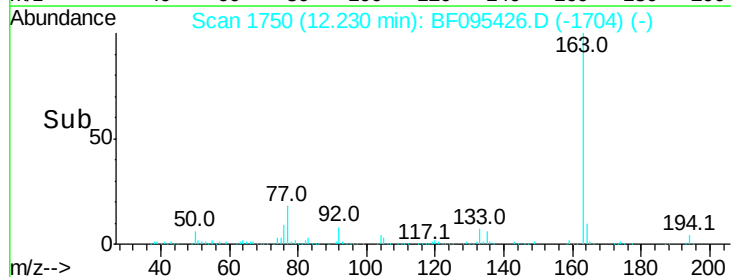
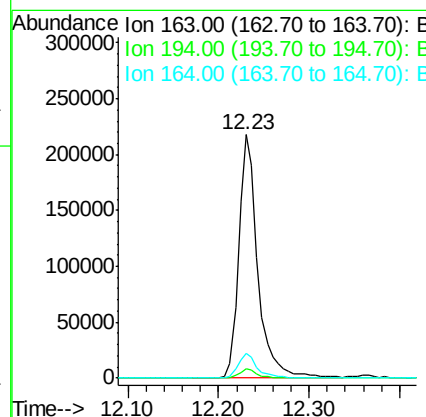
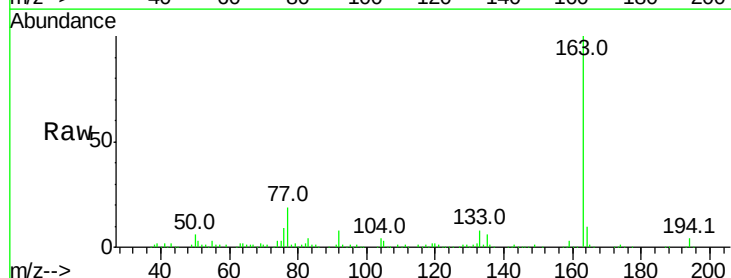
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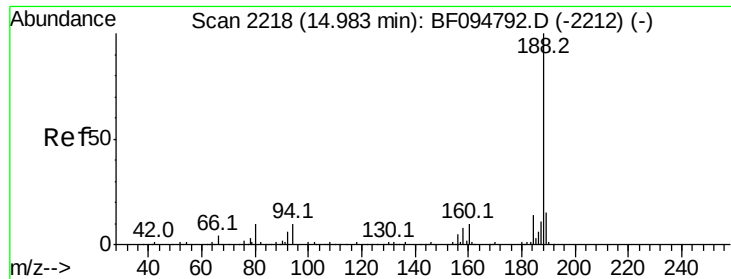
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#49
Dimethylphthalate
Concen: 23.38 ng
RT: 12.23 min Scan# 1750
Delta R.T. -0.03 min
Lab File: BF095426.D
Acq: 25 May 2017 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	320024		
194	3.8		2.6	4.0
164	10.2		8.4	12.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.01 min Scan# 2222

Delta R.T. -0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

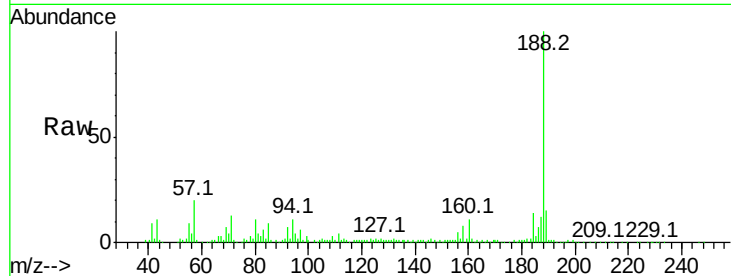
ClientSampleId :

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Tot Ion:	188	Resp:	248907
Ion Ratio	Lower	Upper	
188	100		
94	11.2	9.4	14.2
80	11.1	10.2	15.2

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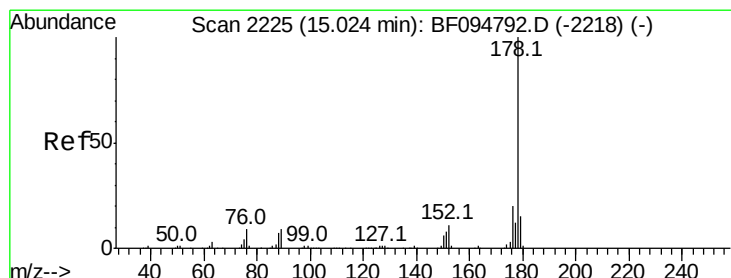
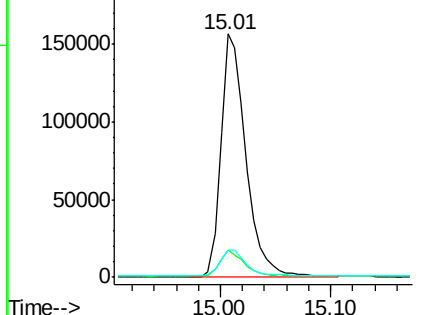
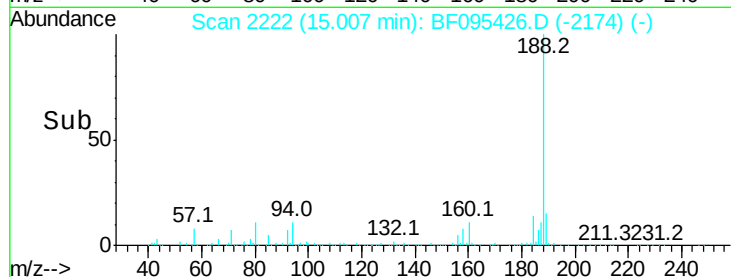
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 7.44 ng

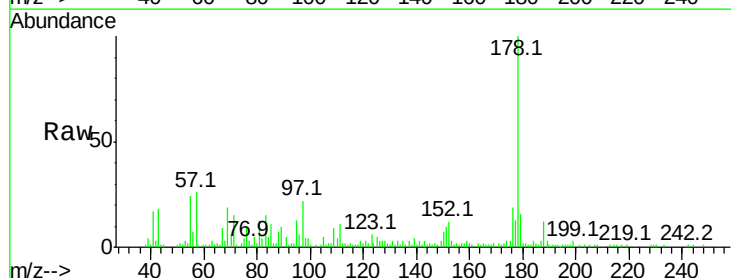
RT: 15.05 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

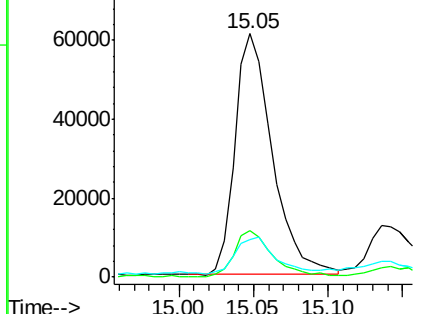
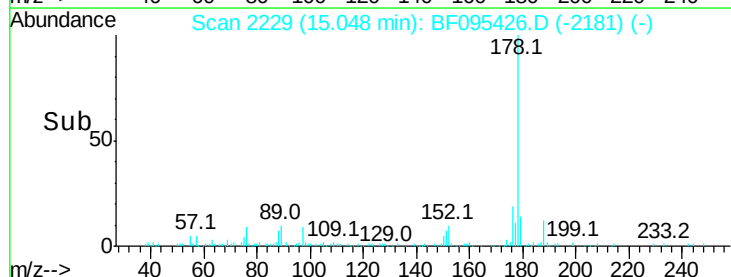
Tgt Ion:	178	Resp:	106466
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.4
179	15.6	12.6	19.0

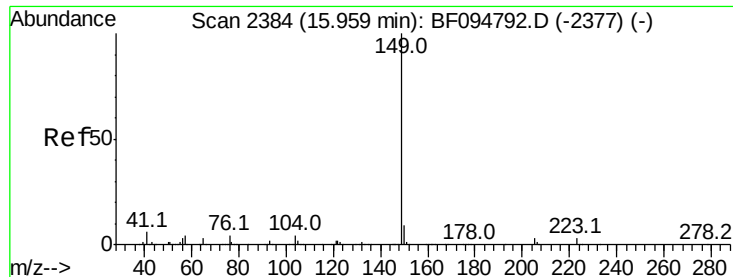


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 35.15 ng

RT: 15.97 min Scan# 2385

Delta R.T. -0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

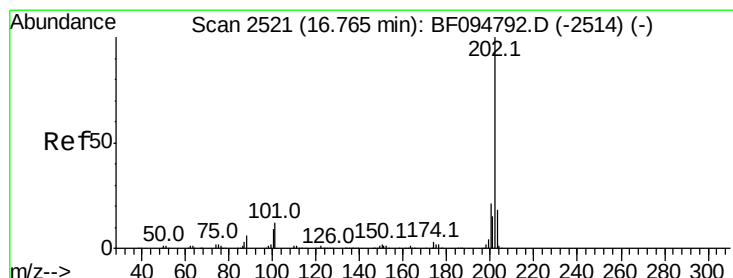
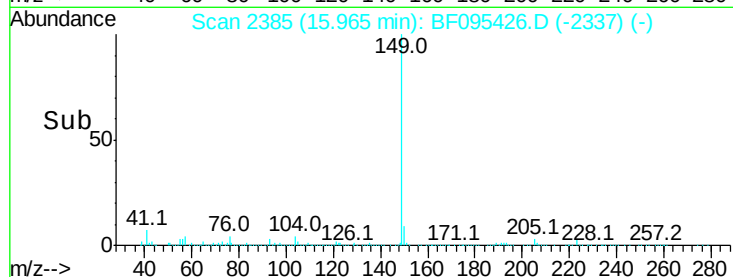
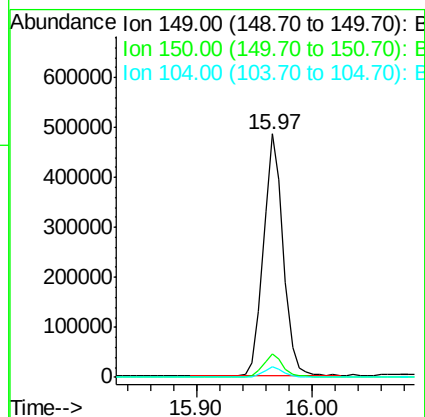
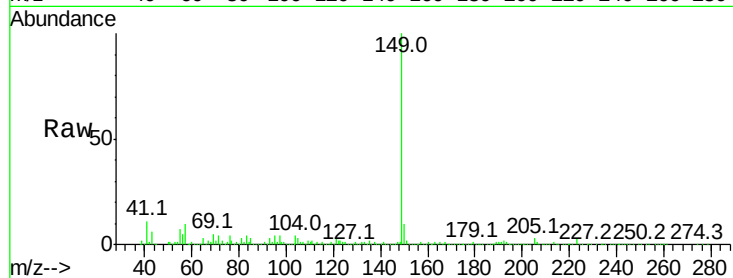
ClientSampleId :

RO-2019

Tot Ion:	149	Resp:	582586
Ion Ratio	Lower	Upper	
149	100		
150	9.6	7.7	11.5
104	4.3	4.0	6.0

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#74

Fluoranthene

Concen: 9.61 ng

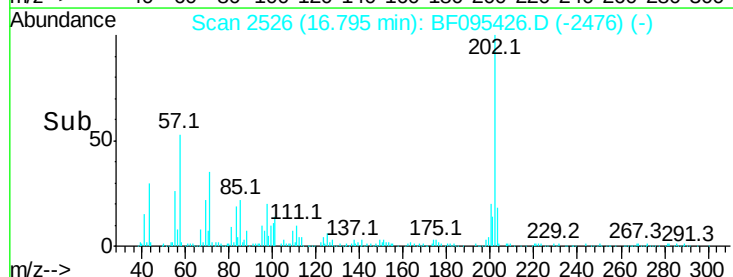
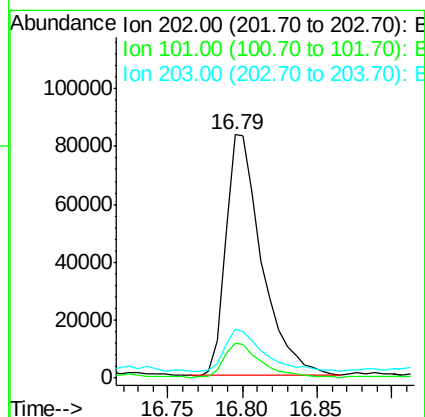
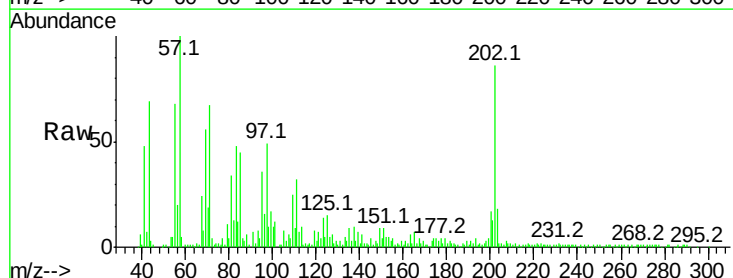
RT: 16.79 min Scan# 2526

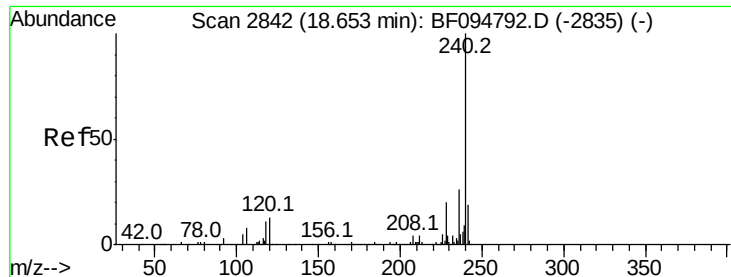
Delta R.T. -0.01 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Tgt Ion:	202	Resp:	140912
Ion Ratio	Lower	Upper	
202	100		
101	14.2	0.0	33.2
203	20.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.71 min Scan# 2852

Delta R.T. 0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

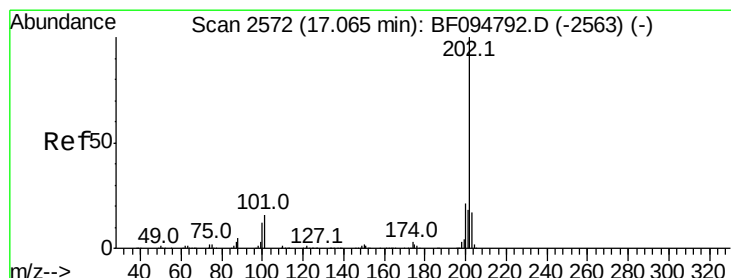
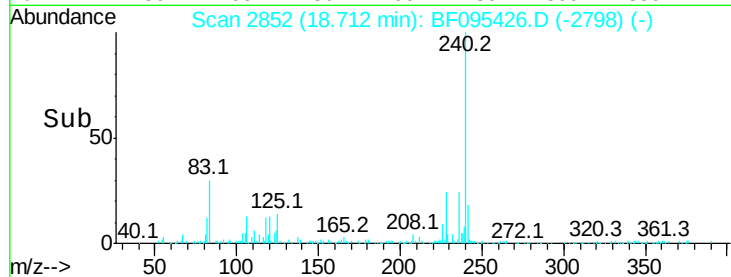
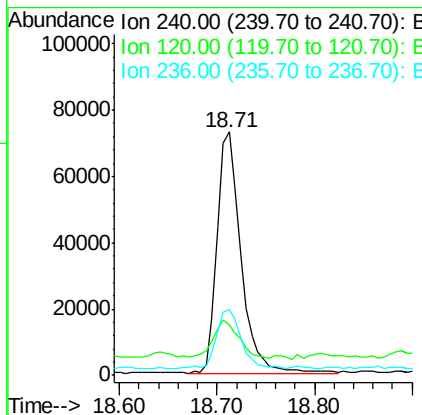
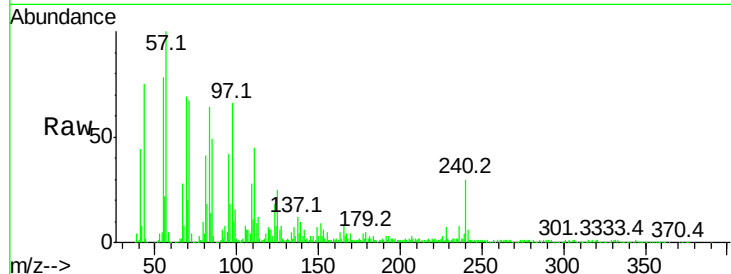
ClientSampled :

RO-2019

Tot Ion:240	Resp:	124211
Ion Ratio	Lower	Upper
240 100		
120 20.5	5.8	8.8#
236 27.1	20.5	30.7

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#77

Pyrene

Concen: 15.31 ng

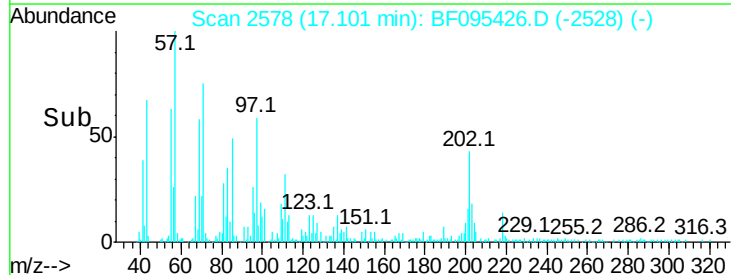
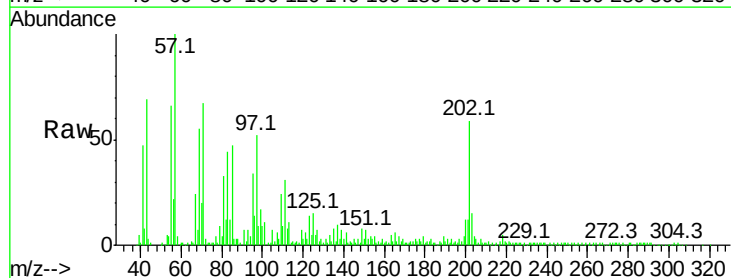
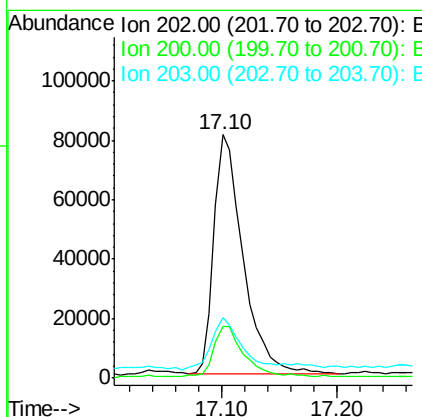
RT: 17.10 min Scan# 2578

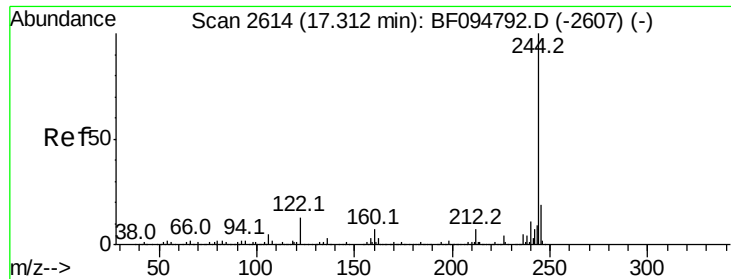
Delta R.T. -0.01 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Tgt Ion:202	Resp:	142238
Ion Ratio	Lower	Upper
202 100		
200 21.0	17.6	26.4
203 24.8	14.4	21.6#





#78

Terphenyl-d14

Concen: 74.38 ng

RT: 17.34 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

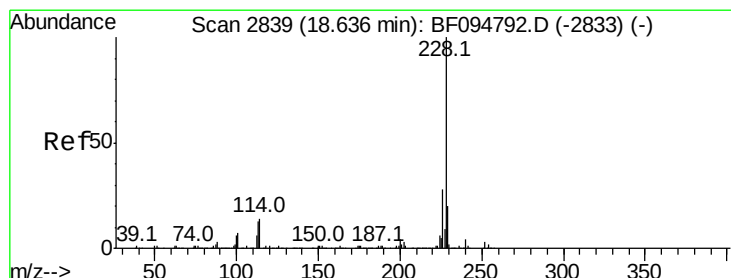
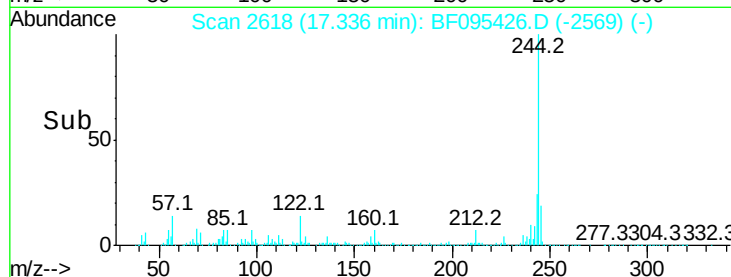
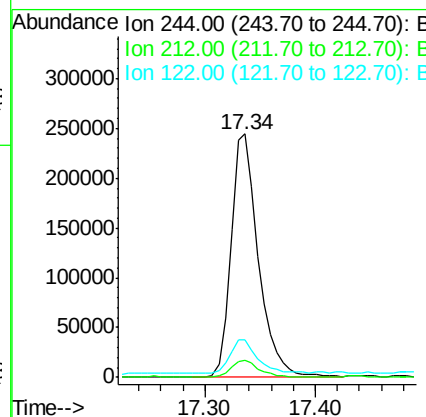
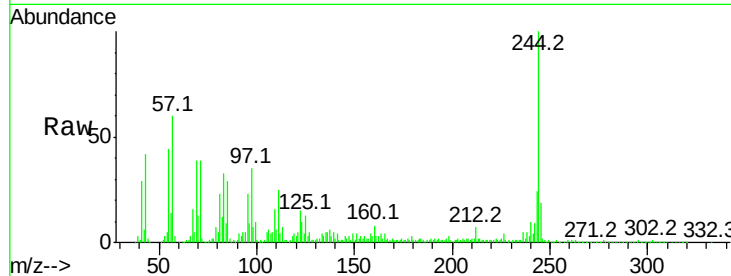
ClientSampleId :

RO-2019

Tot Ion:	244	Resp:	419435
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	15.3	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 7.06 ng

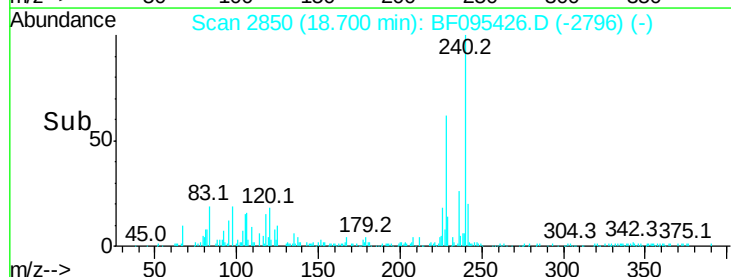
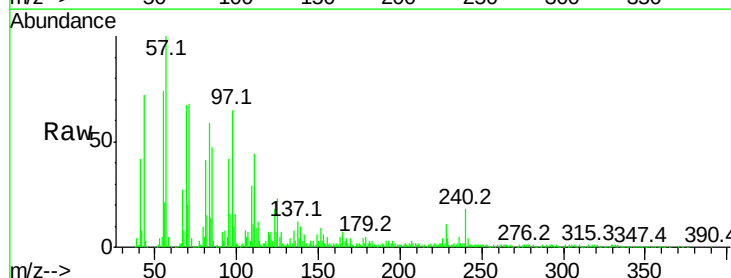
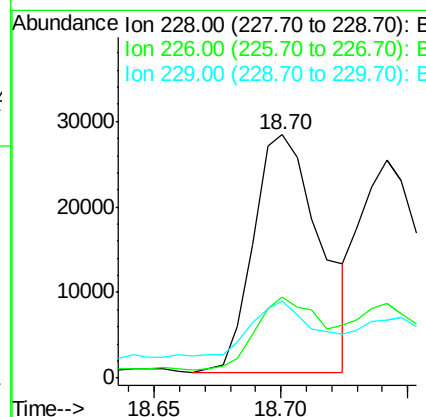
RT: 18.70 min Scan# 2850

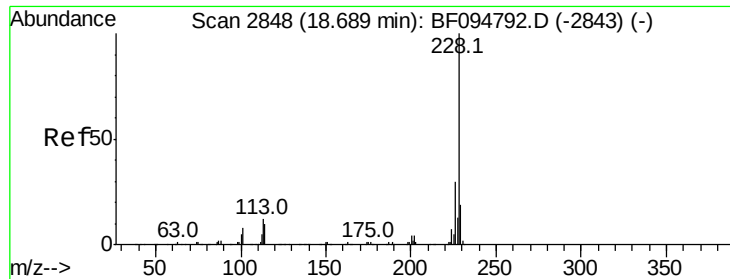
Delta R.T. 0.02 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Tgt Ion:	228	Resp:	51043
Ion Ratio	Lower	Upper	
228	100		
226	33.3	22.6	33.8
229	31.9	16.3	24.5#





#82

Chrysene

Concen: 6.70 ng

RT: 18.74 min Scan# 2857

Delta R.T. 0.01 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

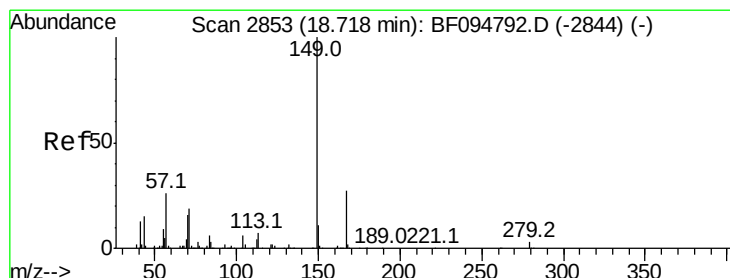
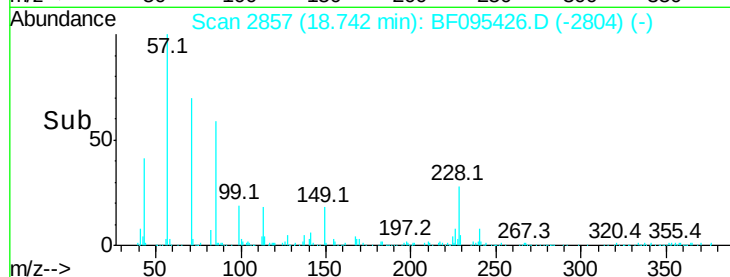
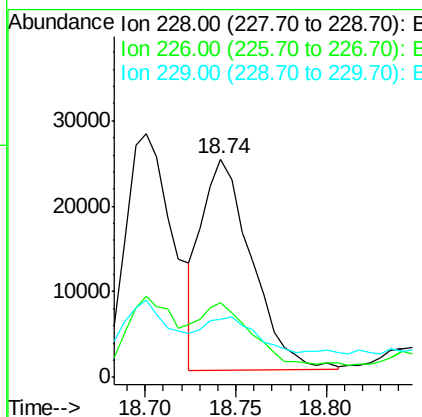
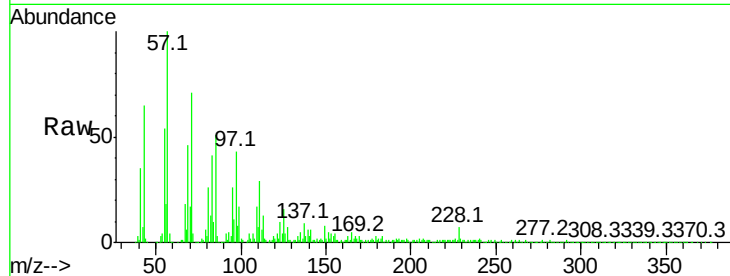
ClientSampleId :

RO-2019

Tot Ion:	228	Resp:	46859
Ion Ratio	Lower	Upper	
228	100		
226	34.3	24.9	37.3
229	26.8	15.8	23.6#

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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.66 ng

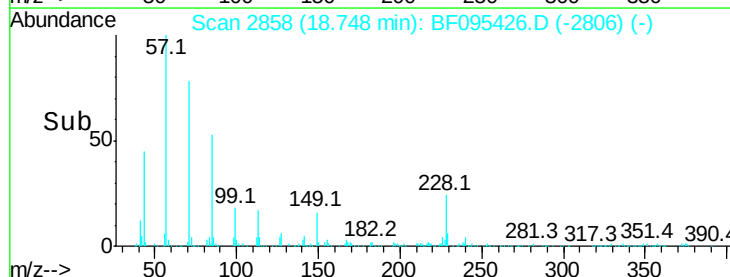
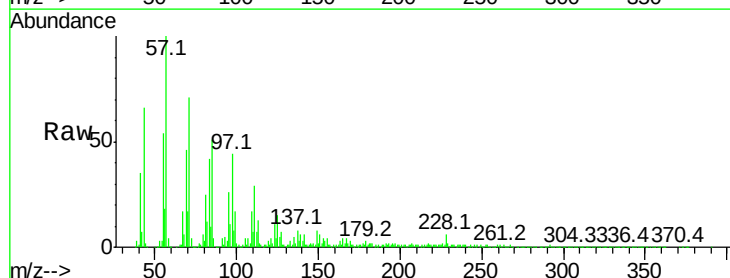
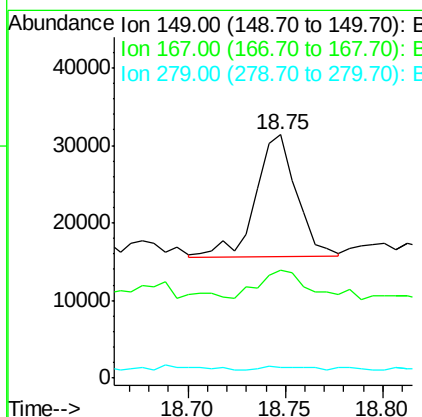
RT: 18.75 min Scan# 2858

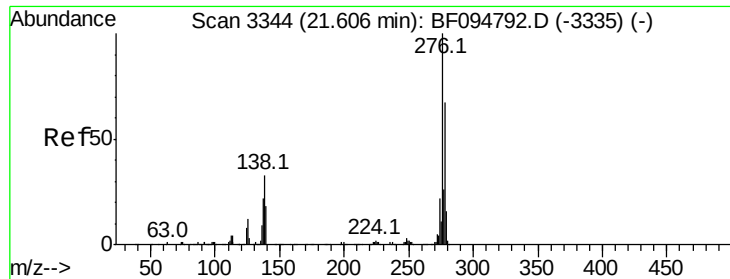
Delta R.T. 0.01 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Tgt Ion:	149	Resp:	22502
Ion Ratio	Lower	Upper	
149	100		
167	44.4	21.0	31.4#
279	4.6	1.9	2.9#





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.90 ng

RT: 21.75 min Scan# 3369

Delta R.T. 0.05 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

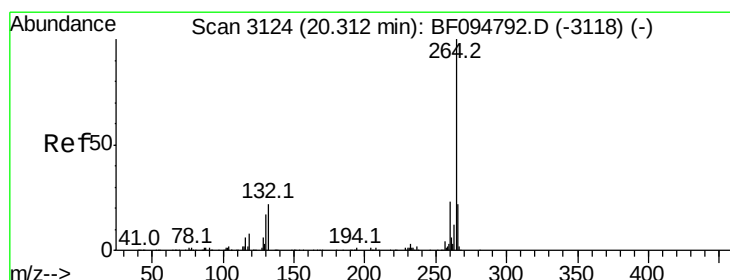
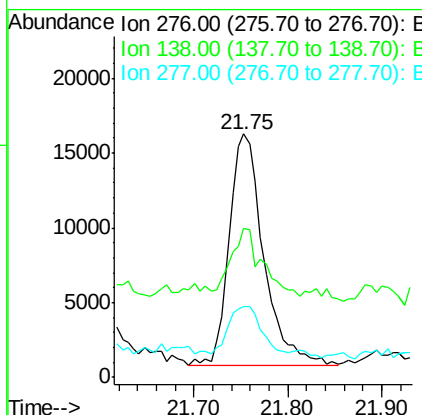
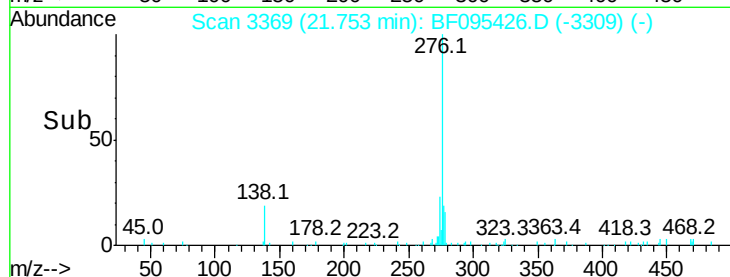
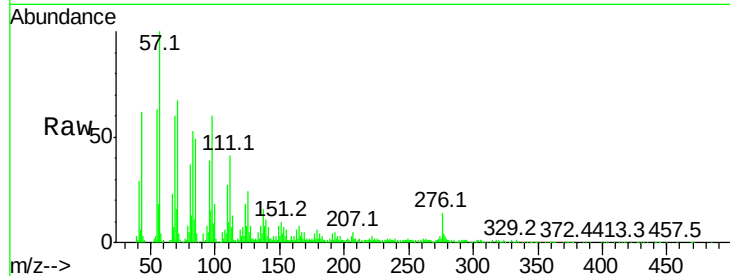
ClientSampleId :

RO-2019

Tot Ion:	276	Resp:	39157
Ion Ratio	Lower	Upper	
276	100		
138	26.1	27.8	41.6#
277	19.3	20.2	30.4#

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#86

Perylene-d12

Concen: 20.00 ng

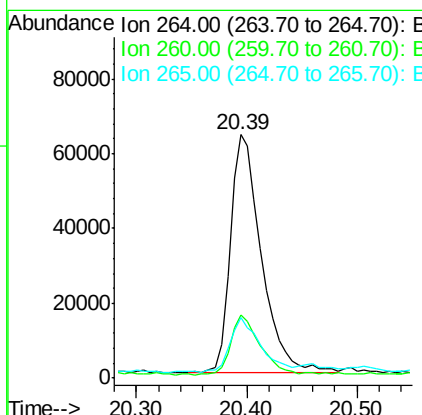
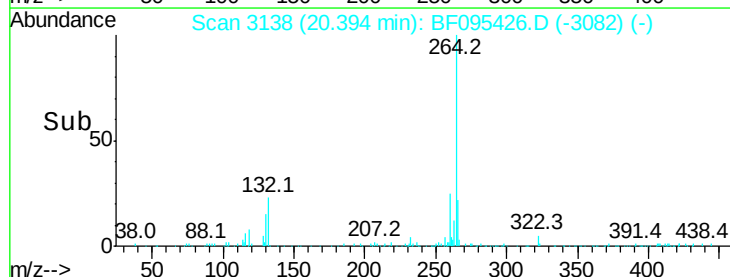
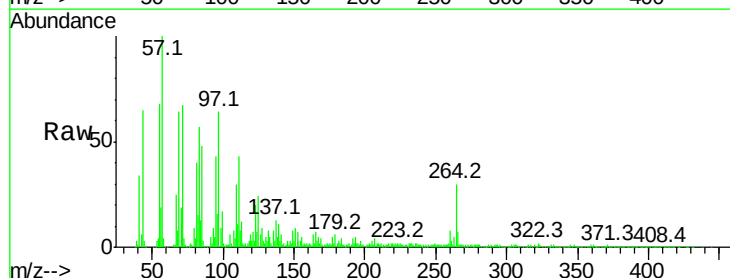
RT: 20.39 min Scan# 3138

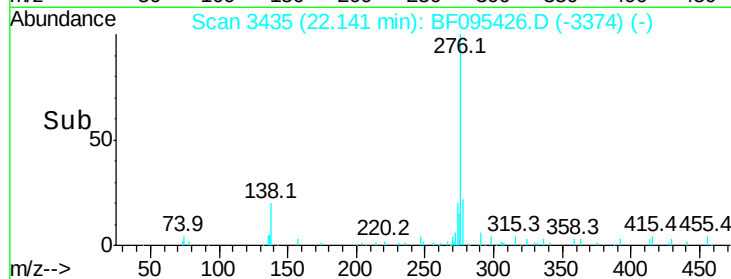
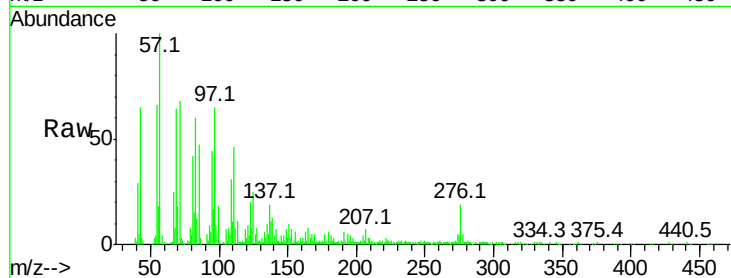
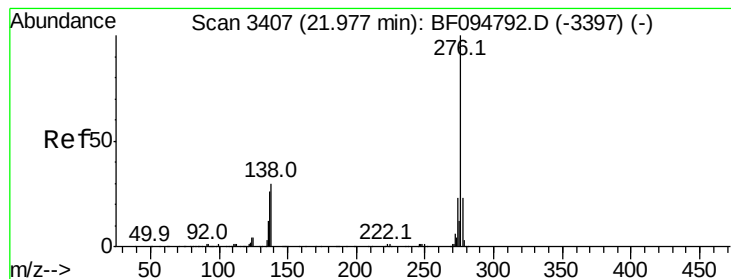
Delta R.T. 0.03 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Tgt Ion:	264	Resp:	125321
Ion Ratio	Lower	Upper	
264	100		
260	26.1	19.5	29.3
265	24.7	17.2	25.8





#91

Benzo(a,h,i)perylene

Concen: 6.94 ng

RT: 22.14 min Scan# 3435

Delta R.T. 0.06 min

Lab File: BF095426.D

Acq: 25 May 2017 16:39

Instrument :

BNA_F

ClientSampleId :

RO-2019

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.6	18.6	28.0#
138	55.0	25.4	38.0#

Manual Integrations
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