

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062317\
 Data File : BF096175.D
 Acq On : 23 Jun 2017 23:41
 Operator : SJ/MA
 Sample : I3852-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-32-1.5-3

Manual Integrations
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 6/28/2017 1:11:52 PM

Quant Time: Jun 24 01:10:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	68222	20.00	ng	-0.04
21) Naphthalene-d8	9.29	136	273345	20.00	ng	-0.04
38) Acenaphthene-d10	12.11	164	111377	20.00	ng	-0.04
63) Phenanthrene-d10	14.51	188	171140	20.00	ng	-0.03
75) Chrysene-d12	18.25	240	144392	20.00	ng	-0.02
86) Perylene-d12	19.93	264	109612	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	371769	86.83	ng	-0.04
7) Phenol-d6	6.87	99	430895	84.07	ng	0.00
23) Nitrobenzene-d5	8.18	82	256452	58.27	ng	-0.04
41) 2,4,6-Tribromophenol	13.42	330	71045	72.10	ng	-0.04
44) 2-Fluorobiphenyl	11.07	172	484833	60.58	ng	-0.04
78) Terphenyl-d14	16.90	244	311976	53.62	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	9.33	128	36111	2.63	ng	97
37) 2-Methylnaphthalene	10.46	142	23781	2.57	ng	97
49) Dimethylphthalate	11.77	163	111210	13.15	ng	100
70) Phenanthrene	14.54	178	73360	7.43	ng	98
71) Anthracene	14.64	178	38101m	3.70	ng	
74) Fluoranthene	16.34	202	151808	15.53	ng	99
77) Pyrene	16.64	202	142353	13.21	ng	97
79) Butylbenzylphthalate	17.57	149	39215	8.33	ng	# 87
80) Benzo(a)anthracene	18.24	228	77428	9.22	ng	97
82) Chrysene	18.29	228	87134	10.39	ng	98
83) Bis(2-ethylhexyl)phthalate	18.33	149	112969	17.02	ng	# 99
85) Indeno(1,2,3-cd)pyrene	21.10	276	38250	5.33	ng	# 92
87) Benzo(b)fluoranthene	19.53	252	120080m	17.50	ng	
88) Benzo(k)fluoranthene	19.55	252	34232m	5.22	ng	
89) Benzo(a)pyrene	19.88	252	53532	8.49	ng	# 90
90) Dibenzo(a,h)anthracene	21.09	278	12541	2.34	ng	# 66
91) Benzo(a,h,i)perylene	21.43	276	33013	6.05	ng	95

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

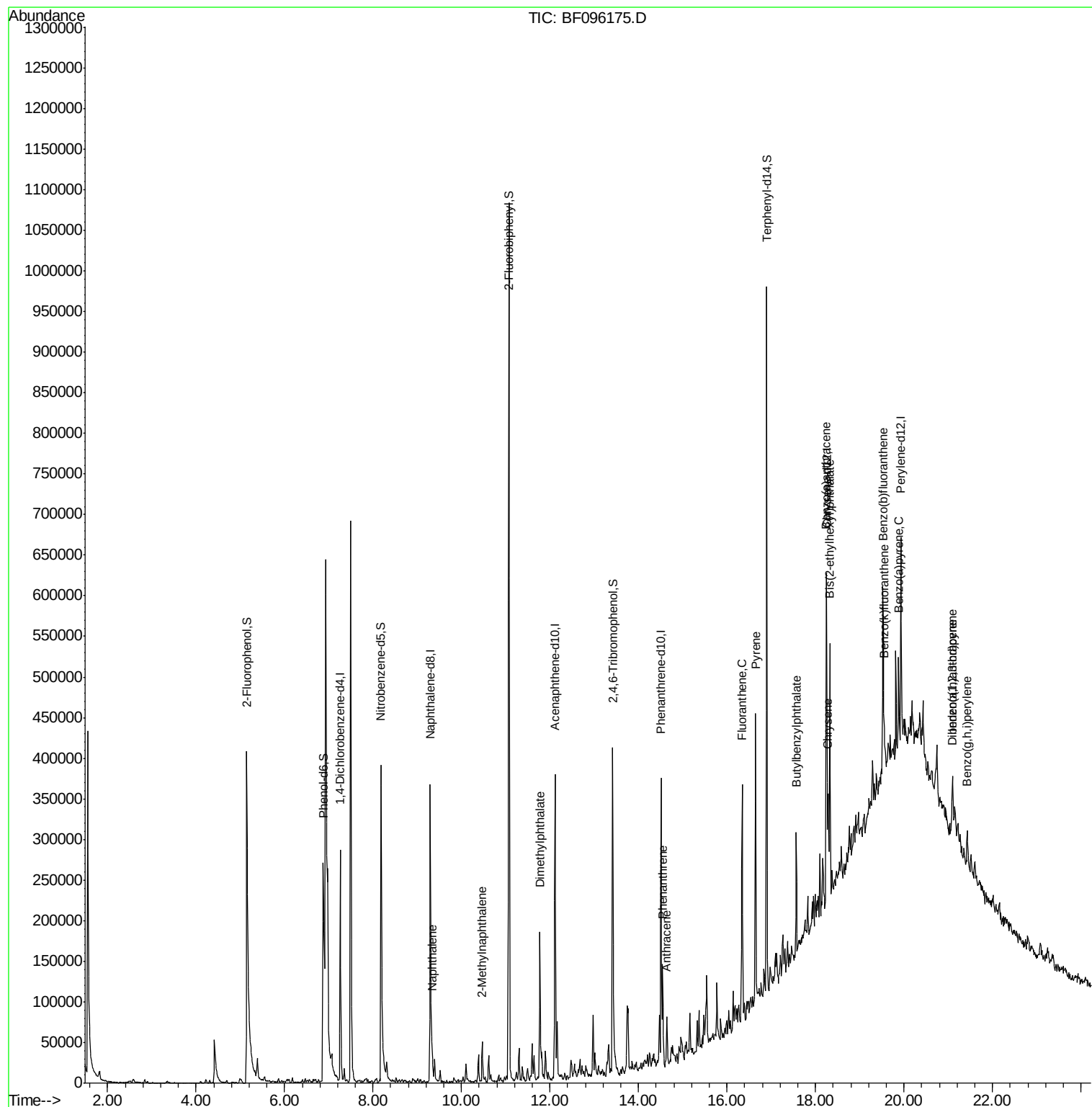
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062317\
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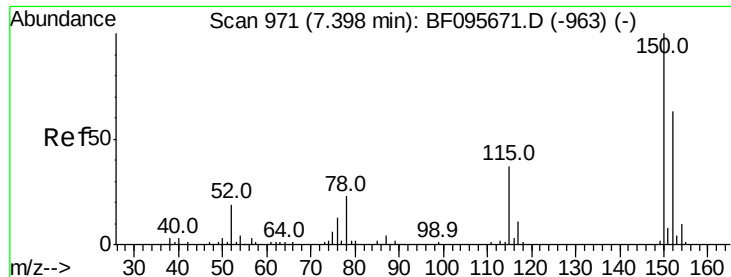
Instrument :
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G-32-1.5-3

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#1

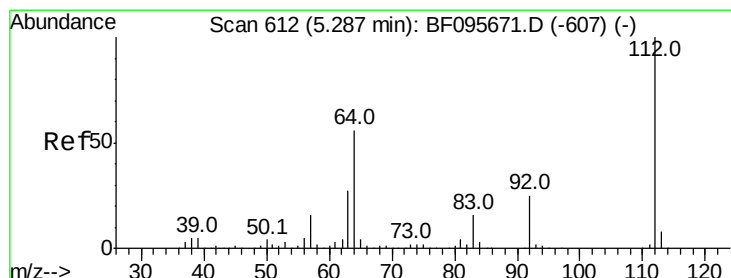
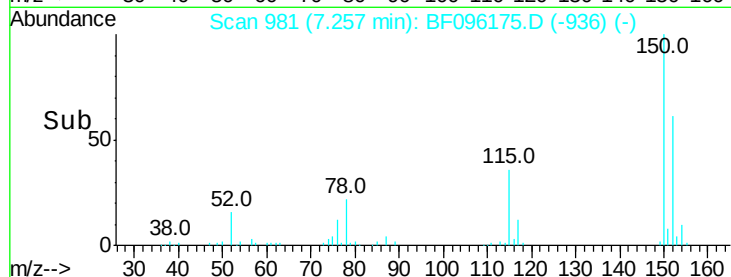
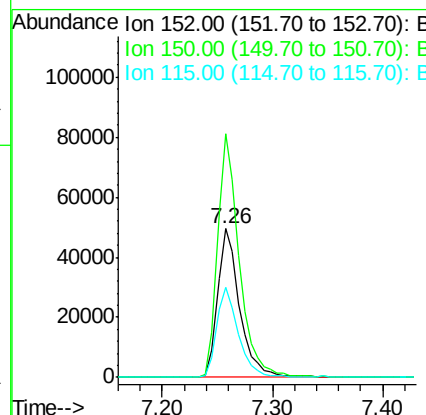
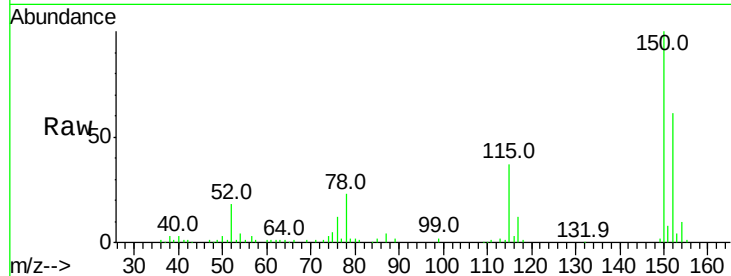
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 981
Delta R.T. -0.04 min
Lab File: BF096175.D
Acq: 23 Jun 2017 23:41

Instrument :
BNA_F
ClientSampleId :
G-32-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.0	126.2	189.2
115	60.2	52.2	78.2

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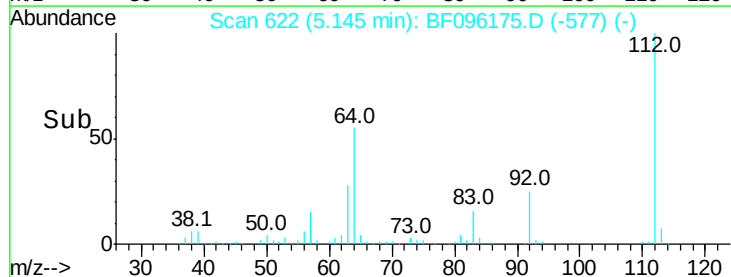
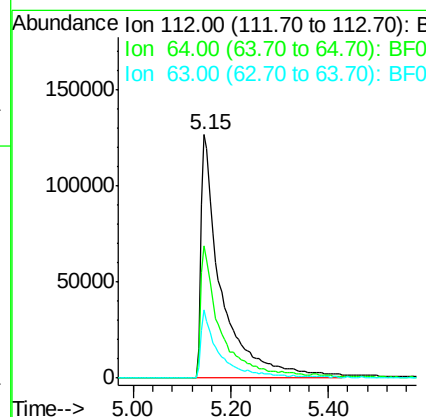
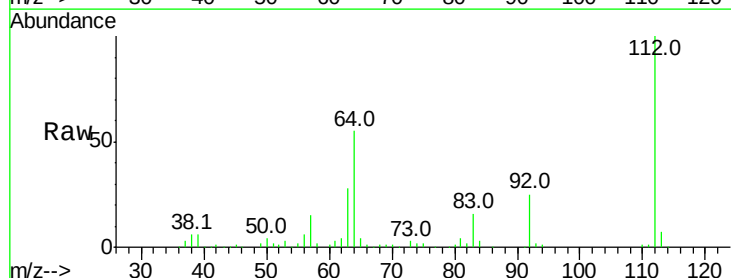
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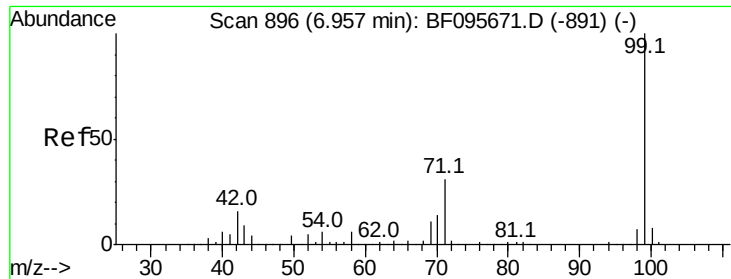


#5

2-Fluorophenol
Concen: 86.83 ng
RT: 5.15 min Scan# 622
Delta R.T. -0.04 min
Lab File: BF096175.D
Acq: 23 Jun 2017 23:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	46.0	69.0
63	27.9	23.4	35.0





#7

Phenol-d6

Concen: 84.07 ng

RT: 6.87 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF096175.D

Acq: 23 Jun 2017 23:41

Instrument :

BNA_F

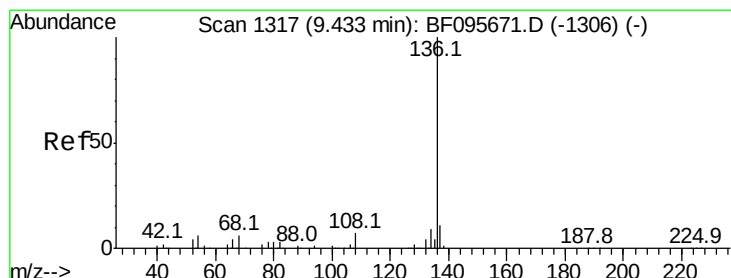
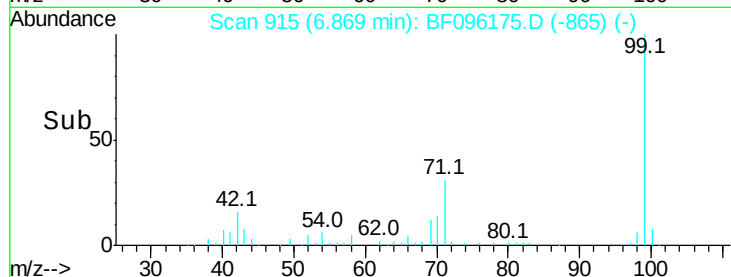
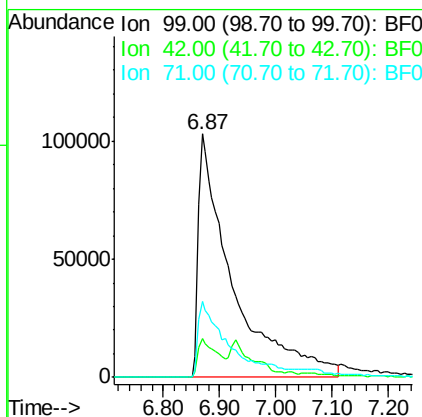
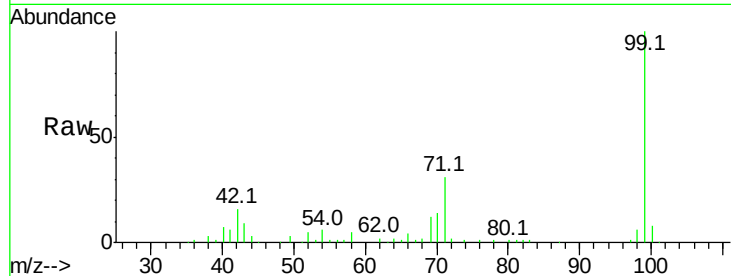
ClientSampled :

G-32-1.5-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		430895		
42	16.1	13.5	20.3		
71	31.3	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

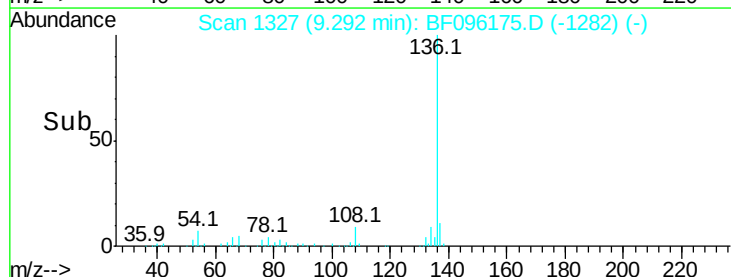
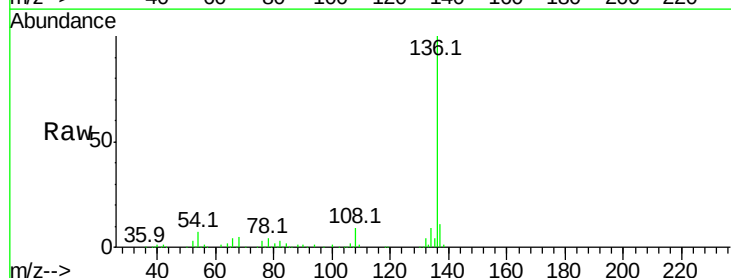
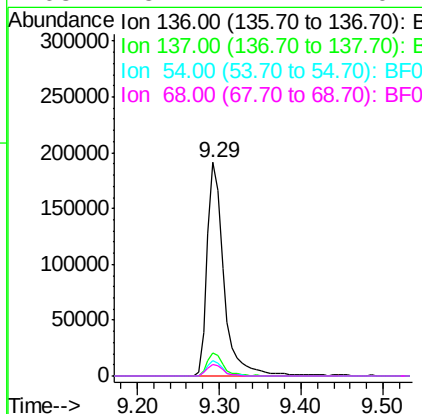
RT: 9.29 min Scan# 1327

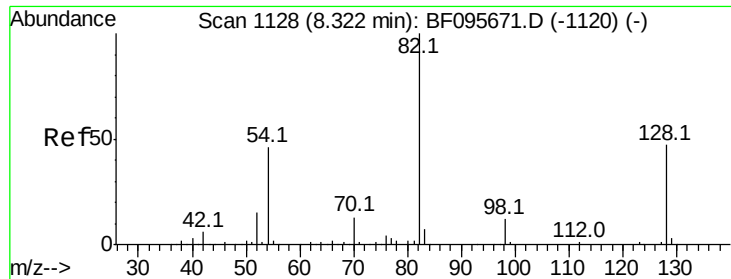
Delta R.T. -0.04 min

Lab File: BF096175.D

Acq: 23 Jun 2017 23:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		273345		
137	10.6	8.5	12.7		
54	7.0	4.9	7.3		
68	5.4	4.1	6.1		





#23

Nitrobenzene-d5

Concen: 58.27 ng

RT: 8.18 min Scan# 1138

Delta R.T. -0.04 min

Lab File: BF096175.D

Acq: 23 Jun 2017 23:41

Instrument :

BNA_F

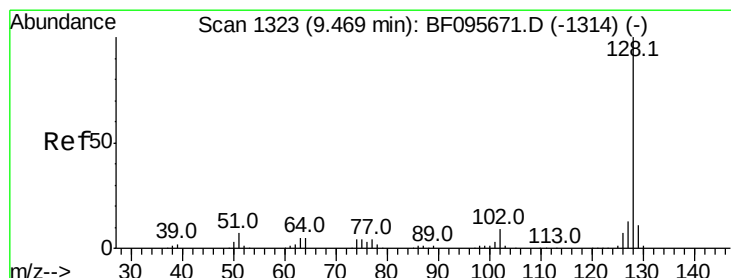
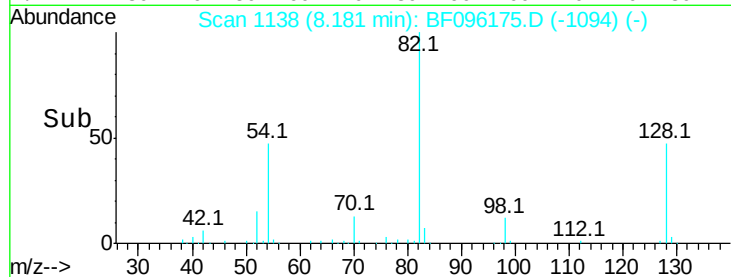
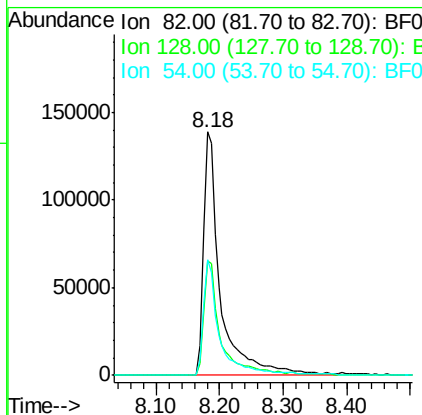
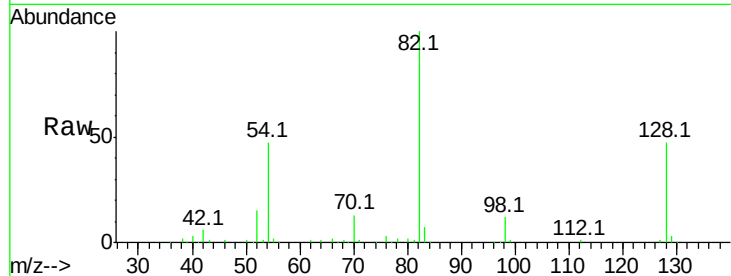
ClientSampleId :

G-32-1.5-3

Tot Ion:	82	Resp:	256452
Ion Ratio	Lower	Upper	
82	100		
128	47.1	34.0	51.0
54	47.3	42.2	63.2

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#31

Naphthalene

Concen: 2.63 ng

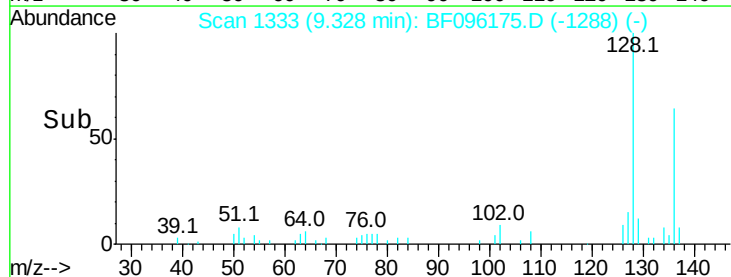
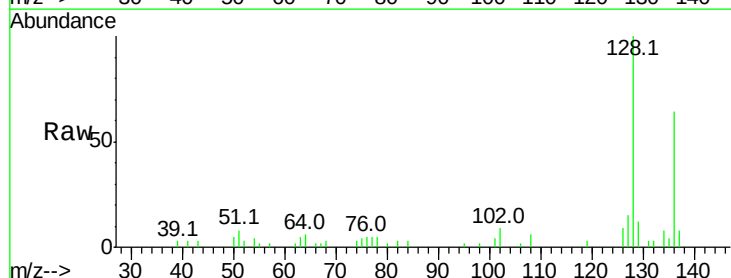
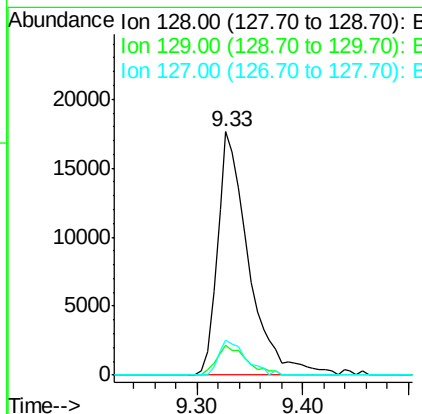
RT: 9.33 min Scan# 1333

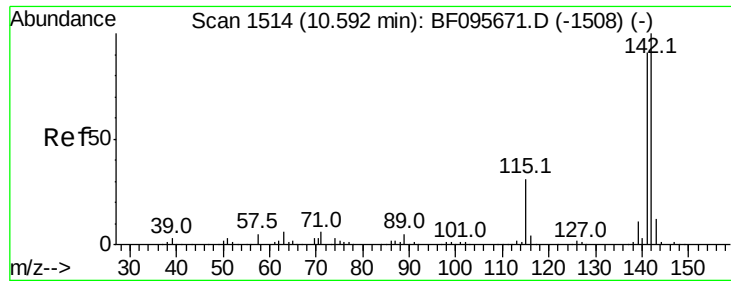
Delta R.T. -0.04 min

Lab File: BF096175.D

Acq: 23 Jun 2017 23:41

Tgt Ion:	128	Resp:	36111
Ion Ratio	Lower	Upper	
128	100		
129	12.4	9.0	13.6
127	14.5	10.8	16.2





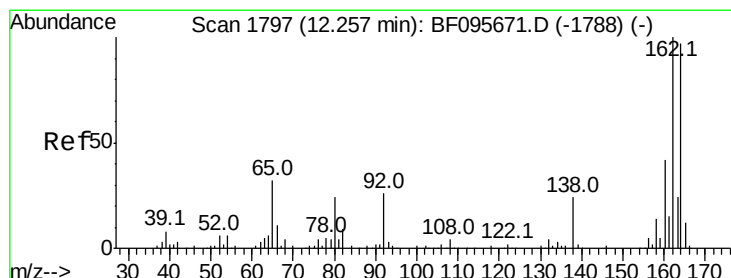
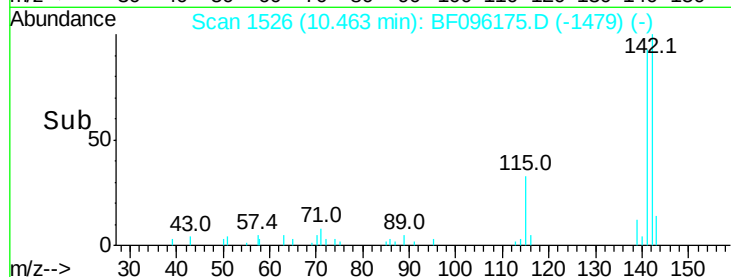
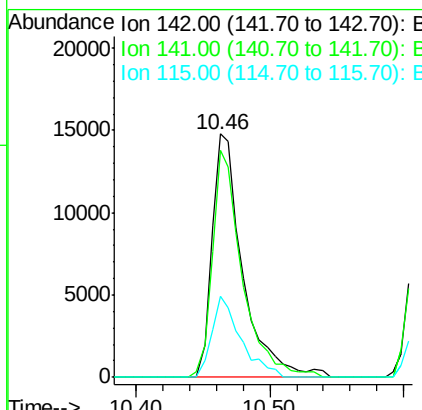
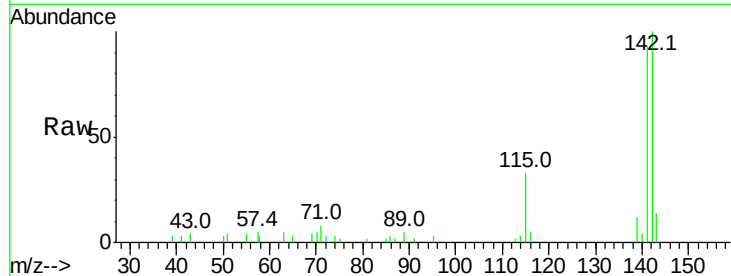
#37
2-Methylnaphthalene
Concen: 2.57 ng
RT: 10.46 min Scan# 1526
Delta R.T. -0.02 min
Lab File: BF096175.D
Acq: 23 Jun 2017 23:41

Instrument :
BNA_F
ClientSampleId :
G-32-1.5-3

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.2	71.3	106.9
115	33.2	27.1	40.7

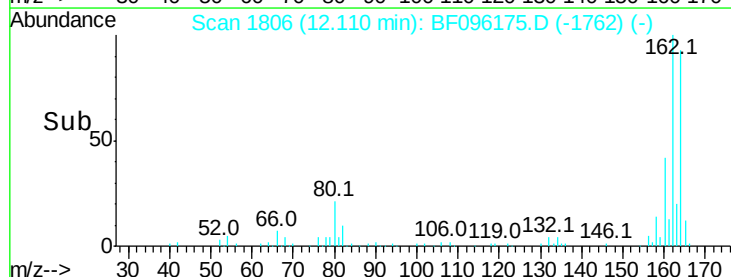
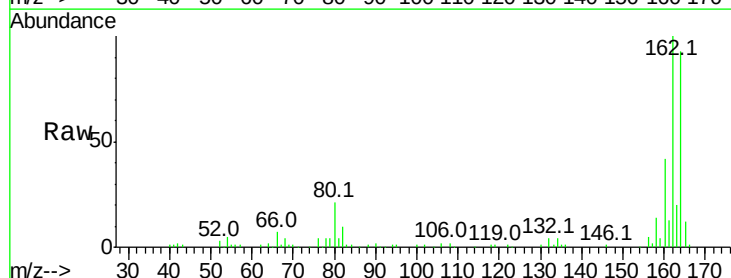
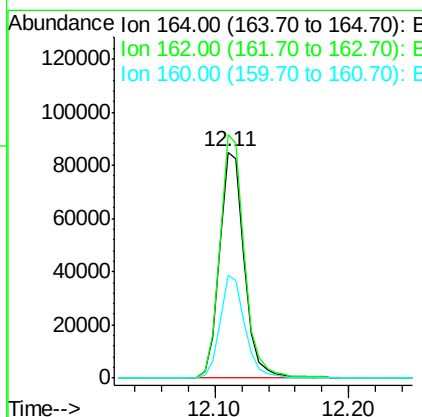
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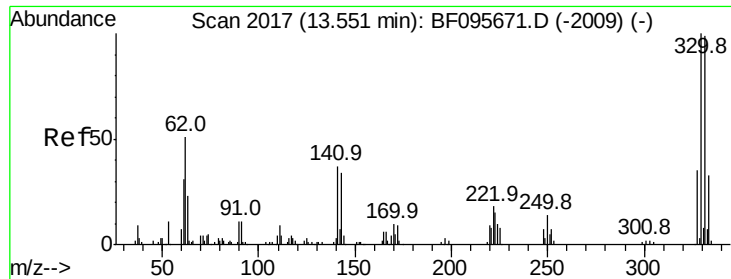
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.11 min Scan# 1806
Delta R.T. -0.04 min
Lab File: BF096175.D
Acq: 23 Jun 2017 23:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.9	82.6	123.8
160	45.3	36.2	54.2





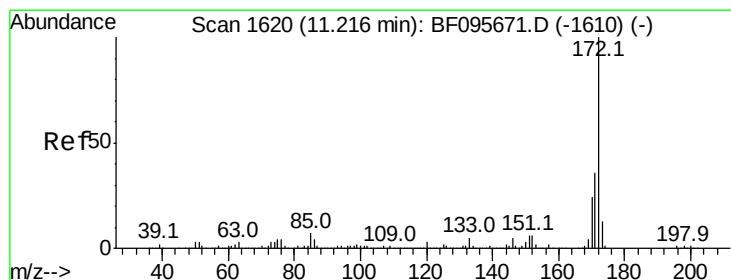
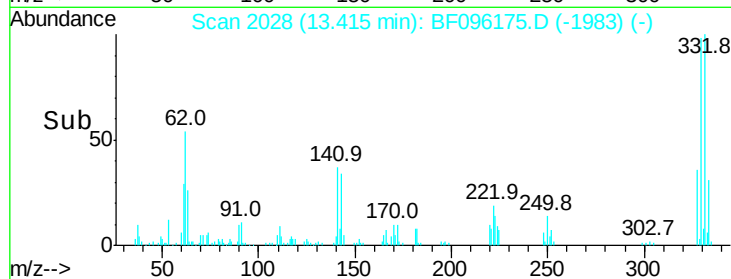
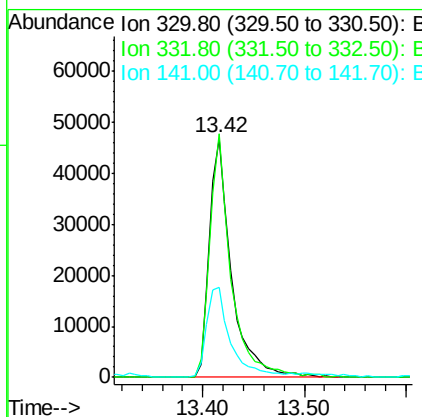
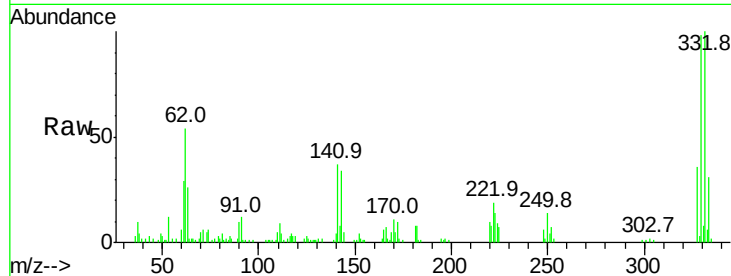
#41
 2,4,6-Tribromophenol
 Concen: 72.10 ng
 RT: 13.42 min Scan# 2028
 Delta R.T. -0.04 min
 Lab File: BF096175.D
 Acq: 23 Jun 2017 23:41

Instrument :
 BNA_F
 ClientSampleId :
 G-32-1.5-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.6	115.0
141	41.4	31.4	47.2

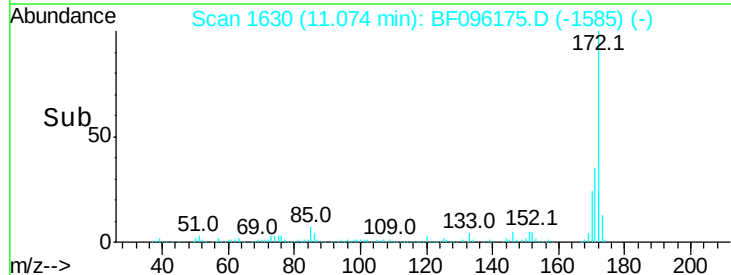
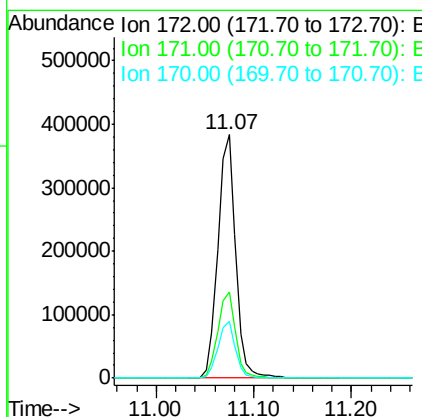
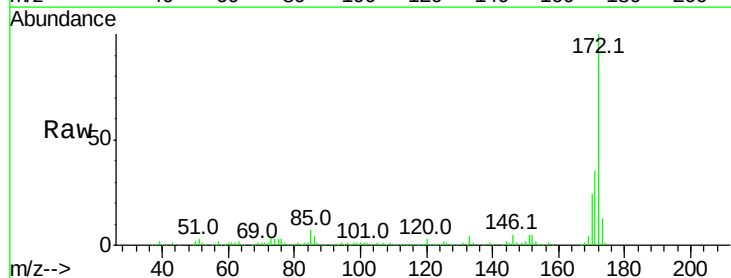
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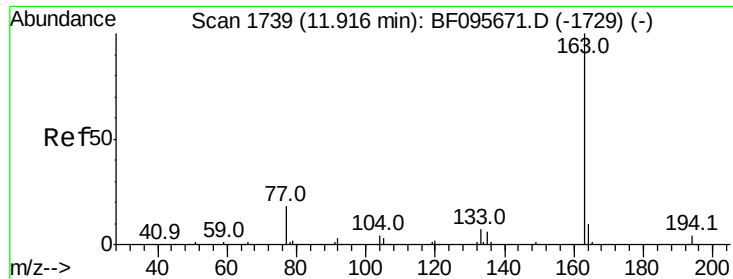
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#44
 2-Fluorobiphenyl
 Concen: 60.58 ng
 RT: 11.07 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BF096175.D
 Acq: 23 Jun 2017 23:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	23.5	19.8	29.8





#49

Dimethylphthalate

Concen: 13.15 ng

RT: 11.77 min Scan# 1749

Delta R.T. -0.05 min

Lab File: BF096175.D

Acq: 23 Jun 2017 23:41

Instrument :

BNA_F

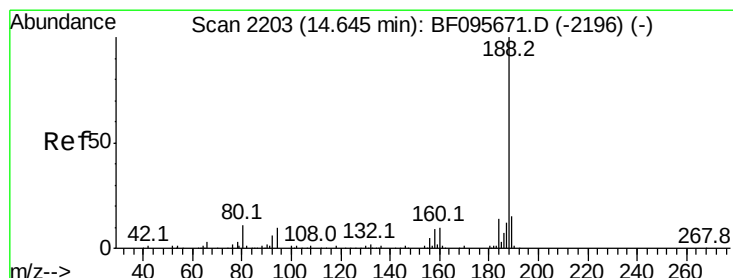
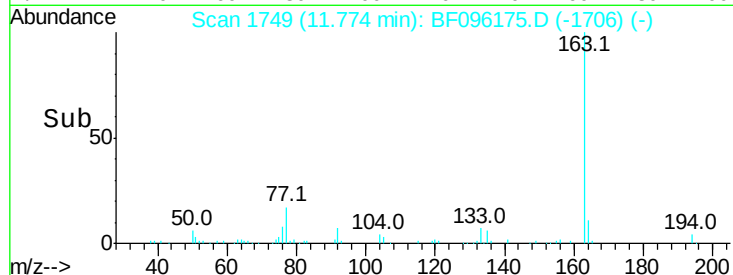
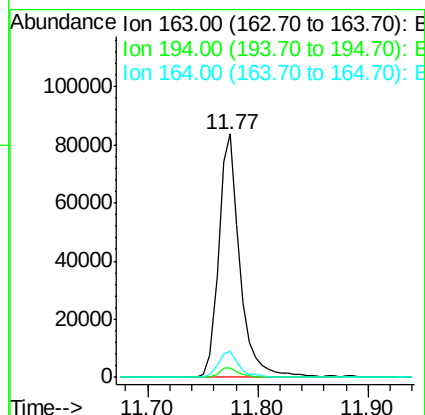
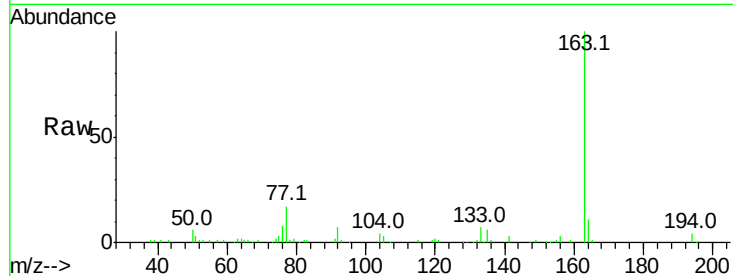
ClientSampled :

G-32-1.5-3

Tot Ion:	163	Resp:	111210
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.6	4.0
164	10.5	8.4	12.6

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#63

Phenanthrene-d10

Concen: 20.00 ng

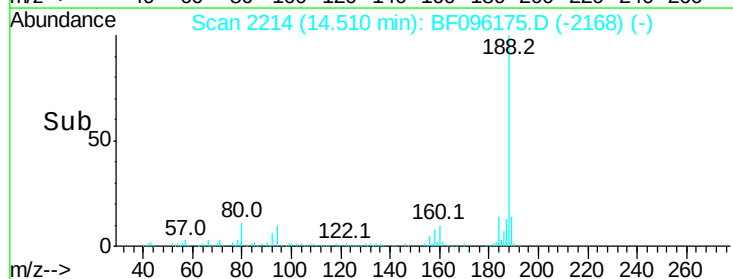
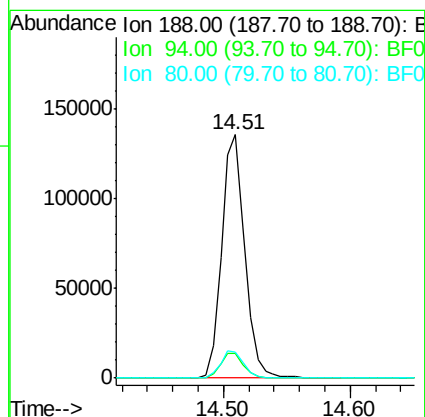
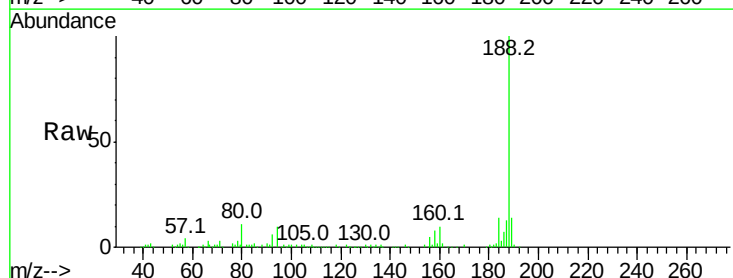
RT: 14.51 min Scan# 2214

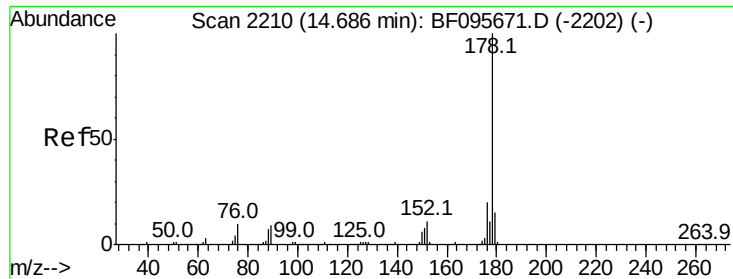
Delta R.T. -0.03 min

Lab File: BF096175.D

Acq: 23 Jun 2017 23:41

Tgt Ion:	188	Resp:	171140
Ion Ratio	Lower	Upper	
188	100		
94	9.9	9.4	14.2
80	10.8	10.2	15.2





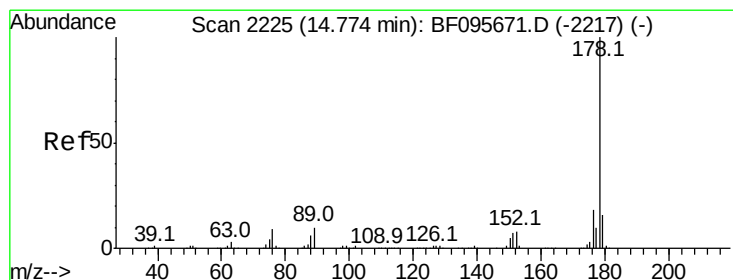
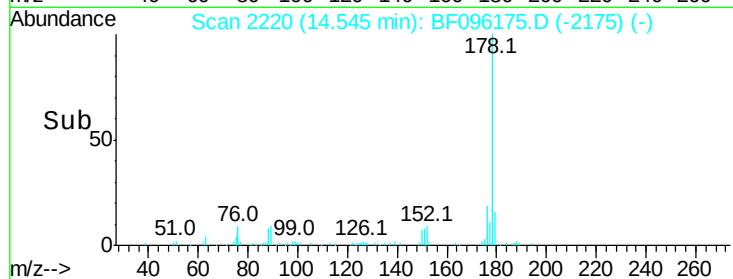
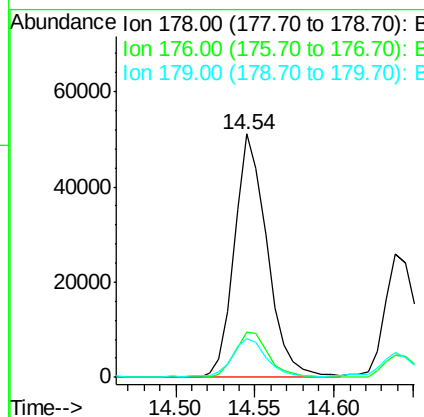
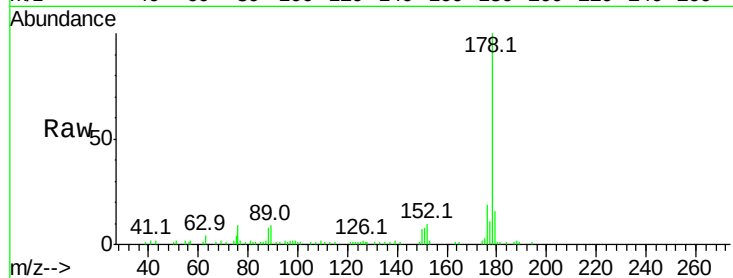
#70
Phenanthrene
Concen: 7.43 ng
RT: 14.54 min Scan# 2220
Delta R.T. -0.04 min
Lab File: BF096175.D
Acq: 23 Jun 2017 23:41

Instrument :
BNA_F
ClientSampleId :
G-32-1.5-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	15.8	12.6	19.0

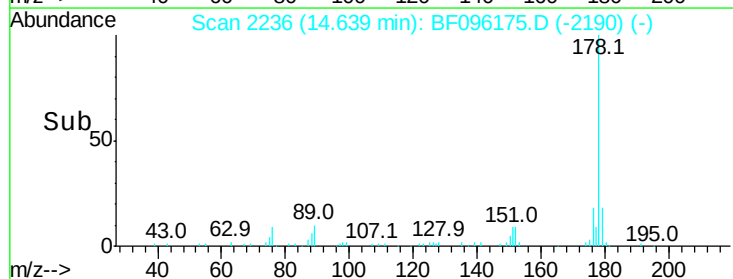
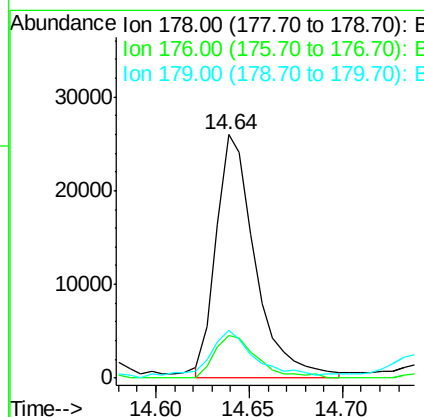
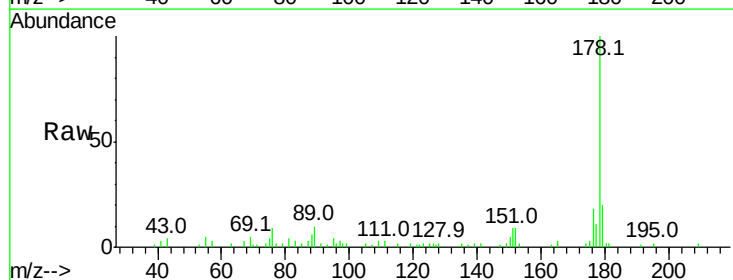
Manual Integrations
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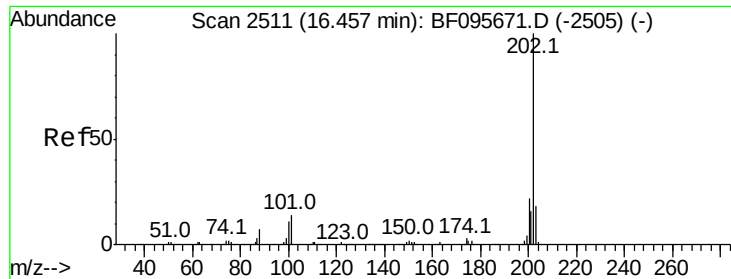
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#71
Anthracene
Concen: 3.70 ng m
RT: 14.64 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF096175.D
Acq: 23 Jun 2017 23:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.8	23.8
179	19.6	12.7	19.1#





#74

Fluoranthene

Concen: 15.53 ng

RT: 16.34 min Scan# 2525

Delta R.T. -0.03 min

Lab File: BF096175.D

Acq: 23 Jun 2017 23:41

Instrument :

BNA_F

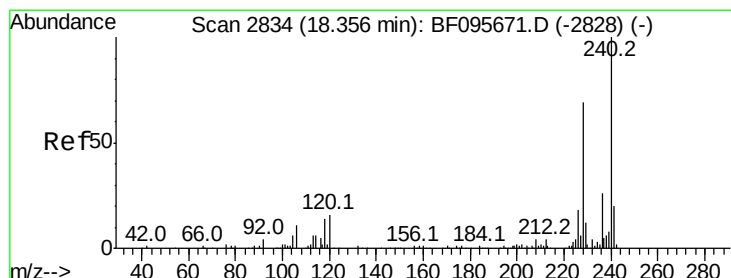
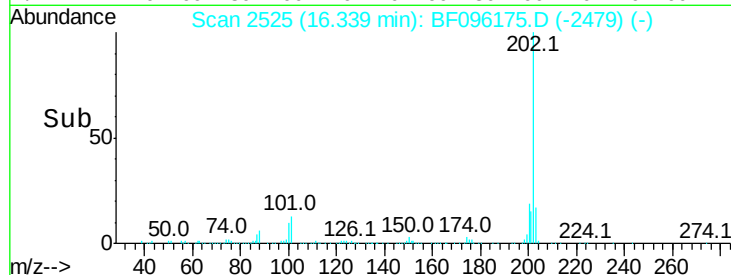
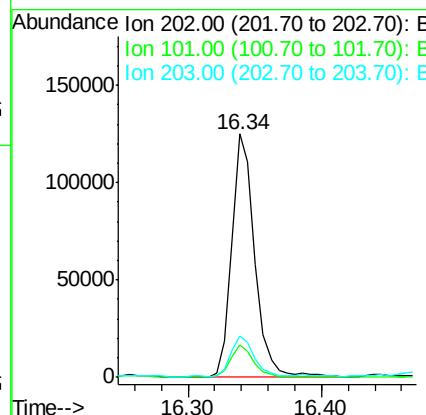
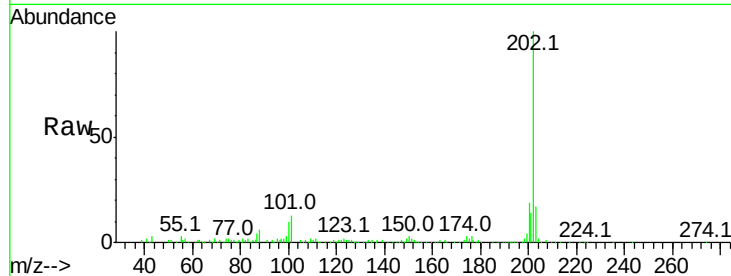
ClientSampleId :

G-32-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

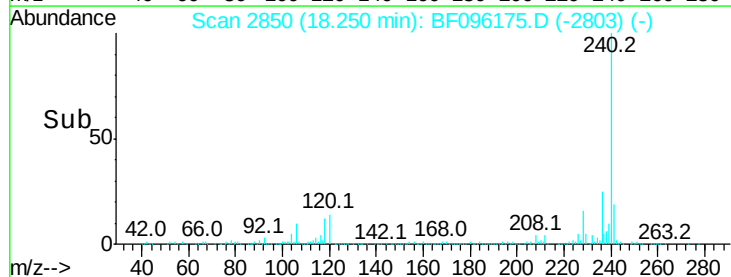
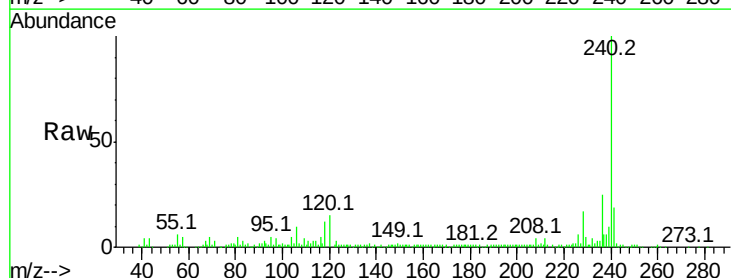
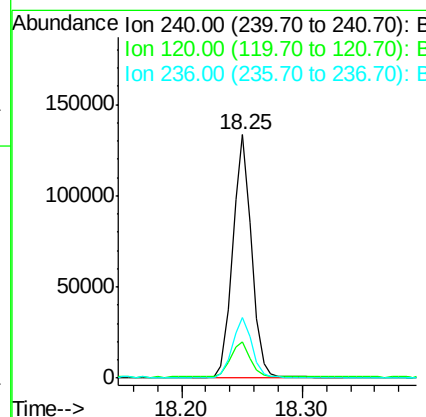
RT: 18.25 min Scan# 2850

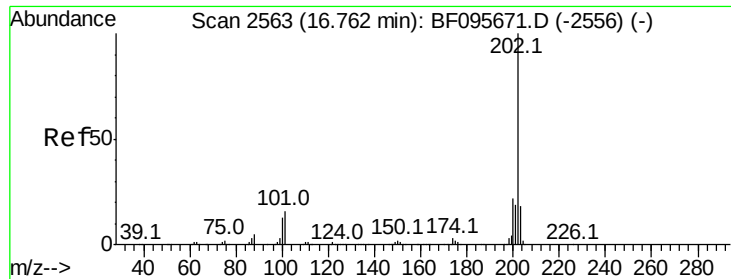
Delta R.T. -0.02 min

Lab File: BF096175.D

Acq: 23 Jun 2017 23:41

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.6	5.8	8.8#
236	25.1	20.5	30.7





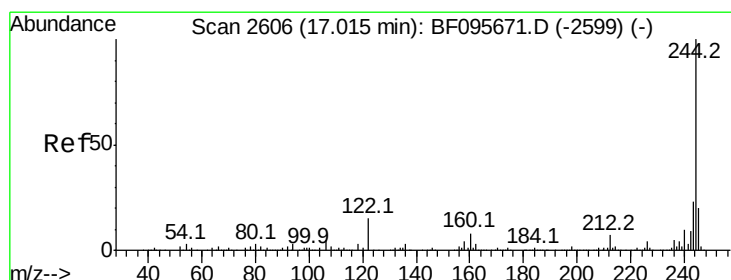
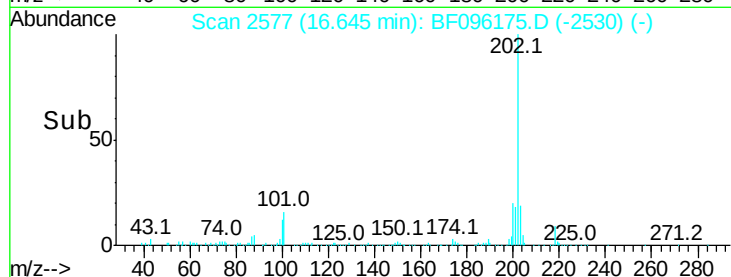
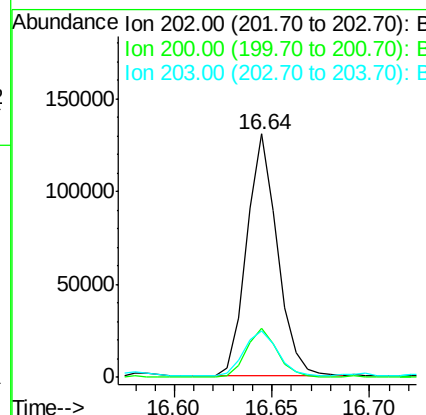
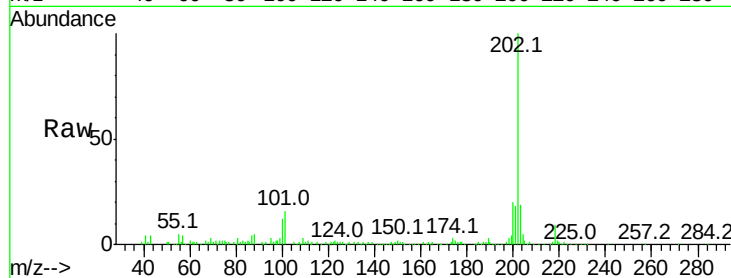
#77
Pvrene
Concen: 13.21 ng
RT: 16.64 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF096175.D
Acq: 23 Jun 2017 23:41

Instrument :
BNA_F
ClientSampleId :
G-32-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.1	17.6	26.4
203	18.9	14.4	21.6

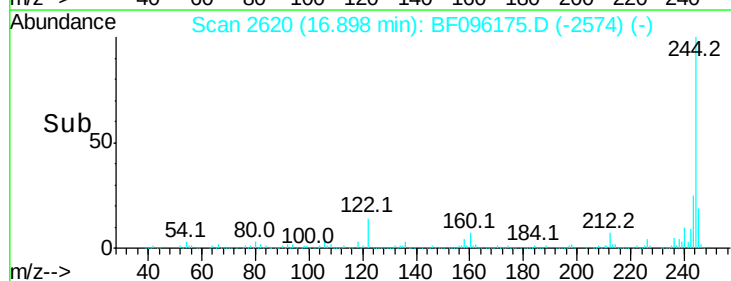
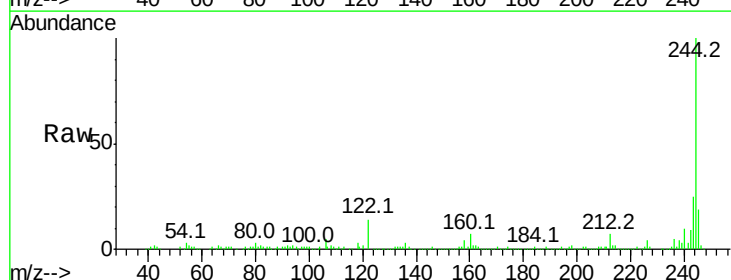
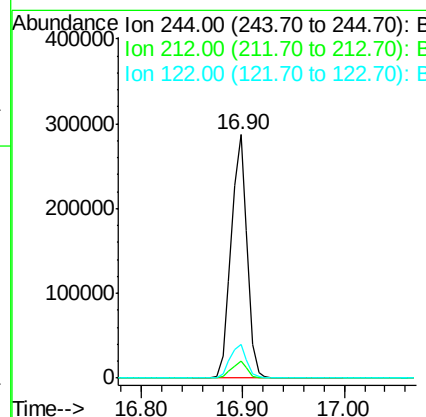
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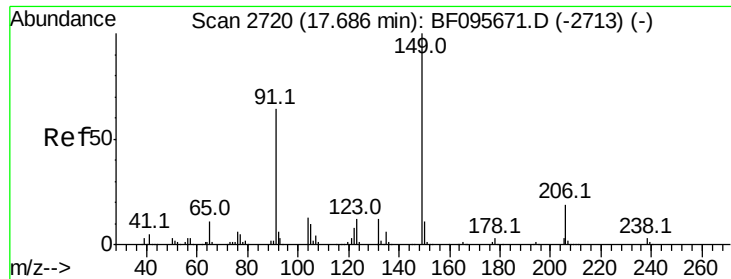
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#78
Terphenyl-d14
Concen: 53.62 ng
RT: 16.90 min Scan# 2620
Delta R.T. -0.03 min
Lab File: BF096175.D
Acq: 23 Jun 2017 23:41

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.9	10.3	15.5





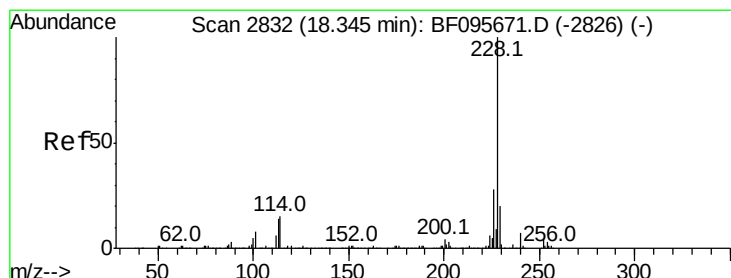
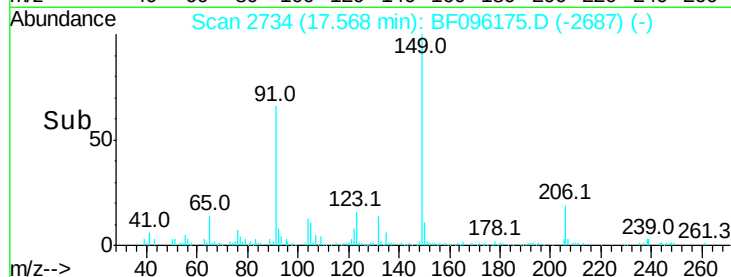
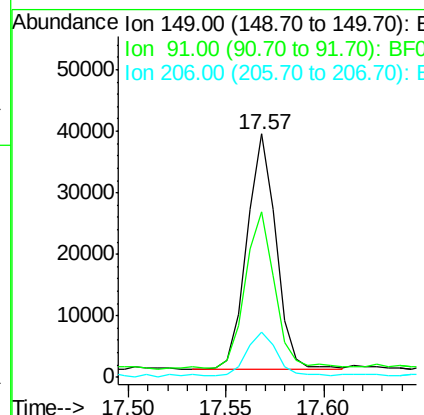
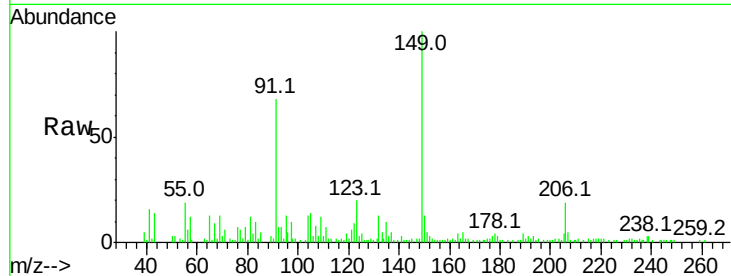
#79
Butylbenzylphthalate
Concen: 8.33 ng
RT: 17.57 min Scan# 2734
Delta R.T. -0.02 min
Lab File: BF096175.D
Acq: 23 Jun 2017 23:41

Instrument :
BNA_F
ClientSampled :
G-32-1.5-3

Tot Ion	Ratio	Lower	Upper
149	100		
91	68.0	45.0	67.4#
206	18.6	17.0	25.6

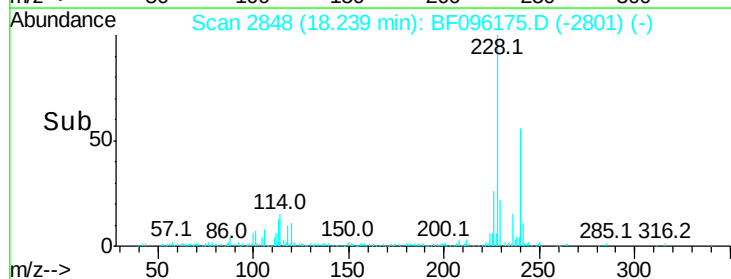
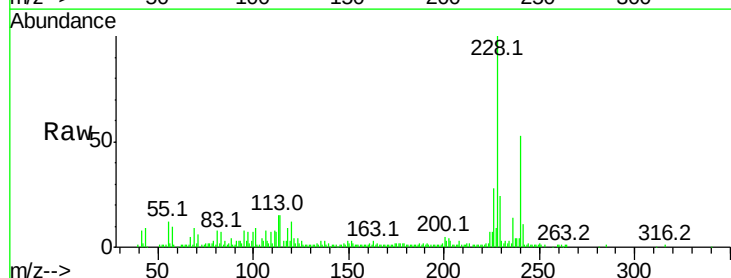
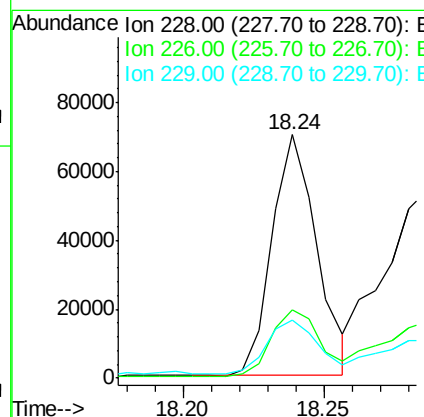
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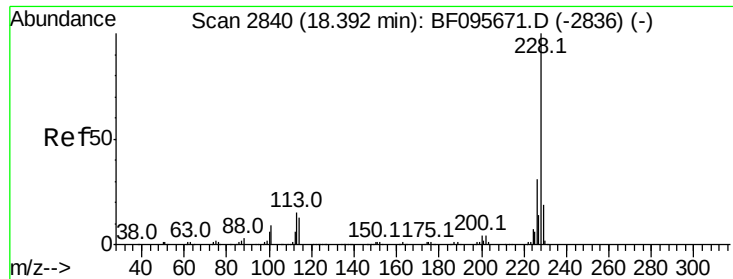
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#80
Benzo(a)anthracene
Concen: 9.22 ng
RT: 18.24 min Scan# 2848
Delta R.T. -0.02 min
Lab File: BF096175.D
Acq: 23 Jun 2017 23:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	23.6	16.3	24.5





#82

Chrysene

Concen: 10.39 ng

RT: 18.29 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BF096175.D

Acq: 23 Jun 2017 23:41

Instrument :

BNA_F

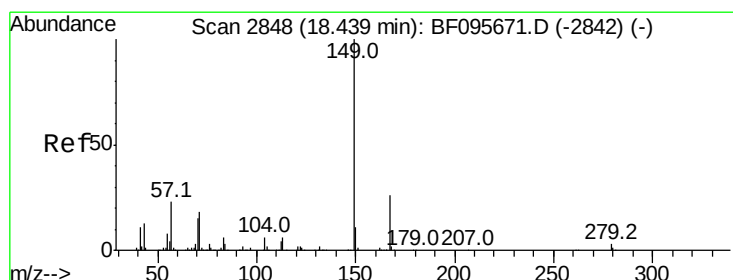
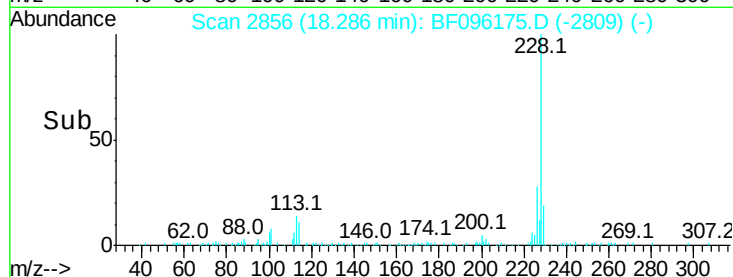
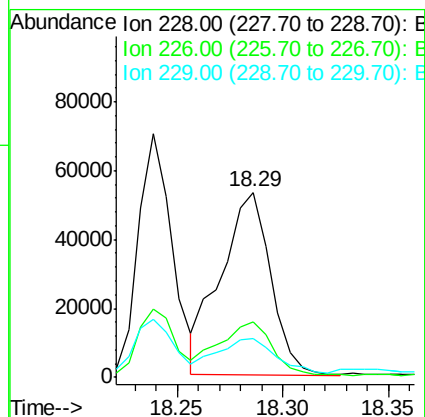
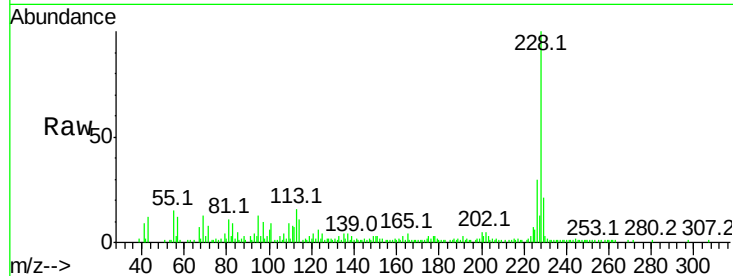
ClientSampleId :

G-32-1.5-3

Tot Ion:	228	Resp:	87134
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.9	37.3
229	20.7	15.8	23.6

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#83

Bis(2-ethylhexyl)phthalate

Concen: 17.02 ng

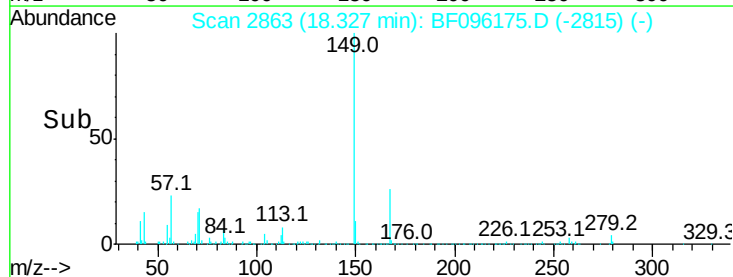
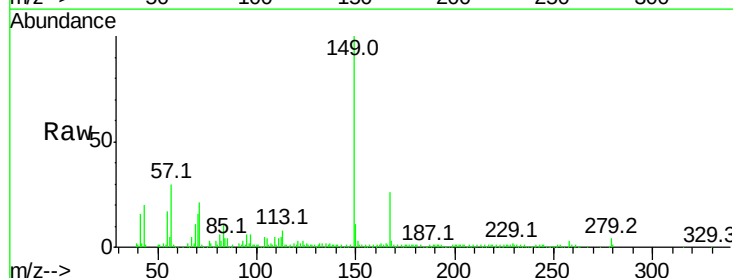
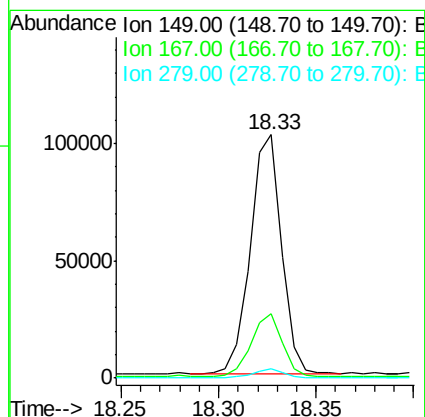
RT: 18.33 min Scan# 2863

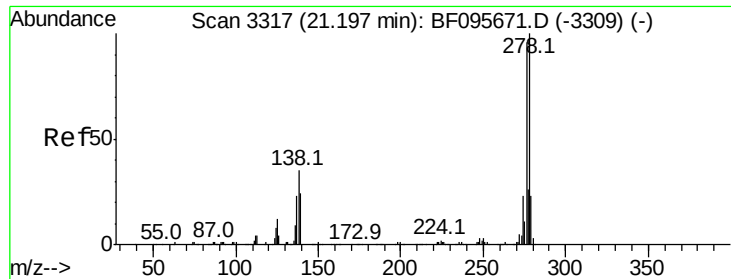
Delta R.T. -0.02 min

Lab File: BF096175.D

Acq: 23 Jun 2017 23:41

Tgt Ion:	149	Resp:	112969
Ion Ratio	Lower	Upper	
149	100		
167	26.4	21.0	31.4
279	3.7	1.9	2.9#





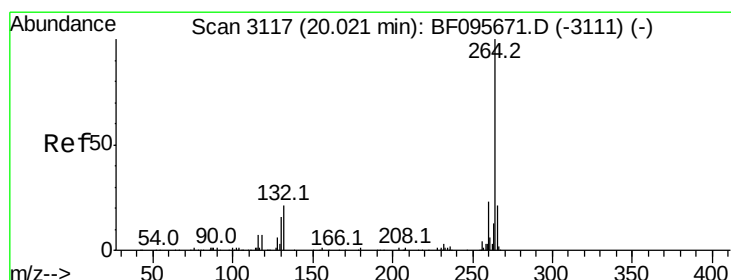
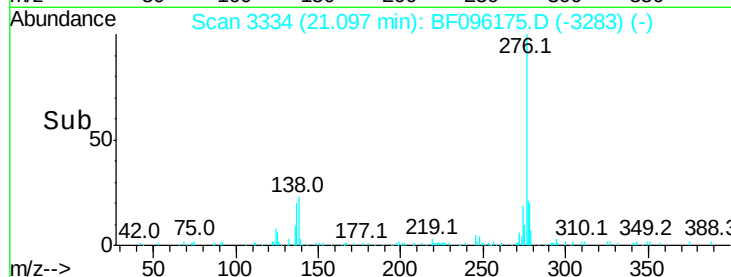
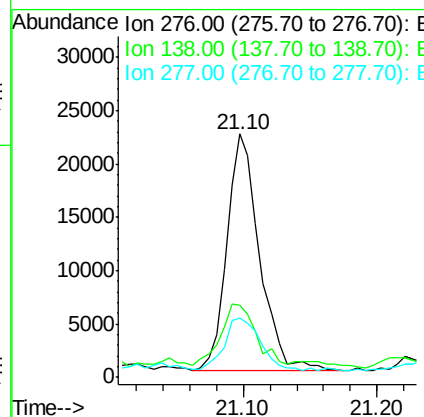
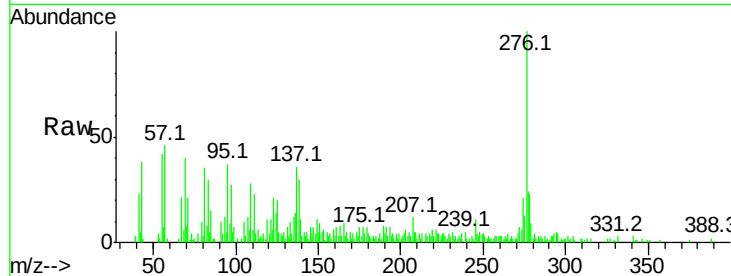
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.33 ng
 RT: 21.10 min Scan# 3334
 Delta R.T. 0.00 min
 Lab File: BF096175.D
 Acq: 23 Jun 2017 23:41

Instrument :
 BNA_F
 ClientSampleId :
 G-32-1.5-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.3	27.8	41.6#
277	25.0	20.2	30.4

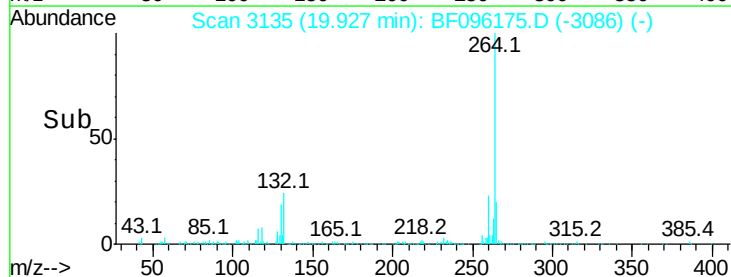
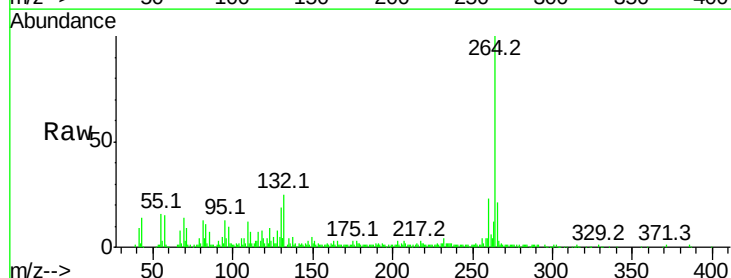
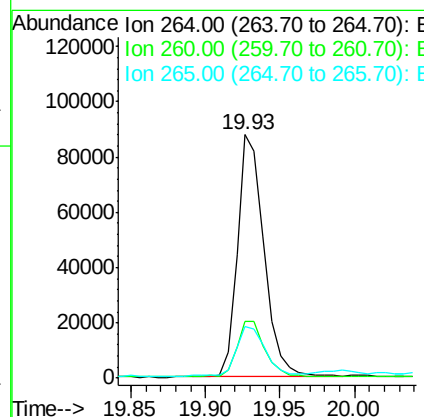
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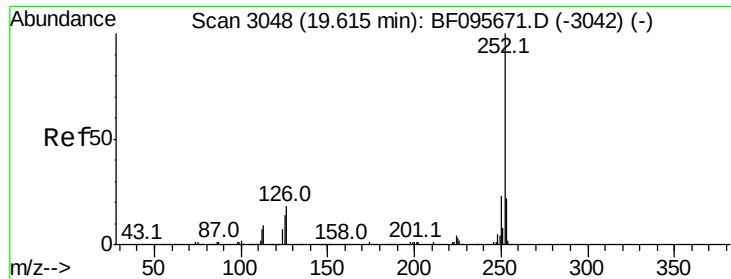
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.93 min Scan# 3135
 Delta R.T. -0.01 min
 Lab File: BF096175.D
 Acq: 23 Jun 2017 23:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 17.50 ng m

RT: 19.53 min Scan# 3067

Delta R.T. -0.01 min

Lab File: BF096175.D

Acq: 23 Jun 2017 23:41

Instrument :

BNA_F

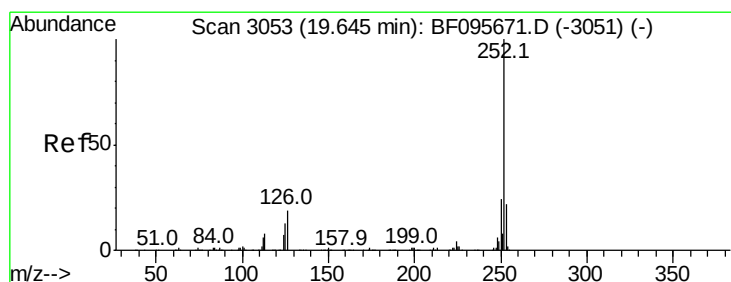
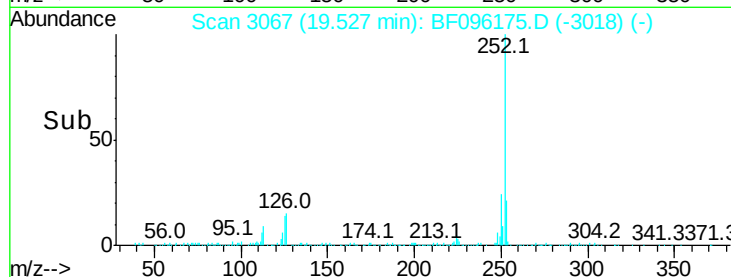
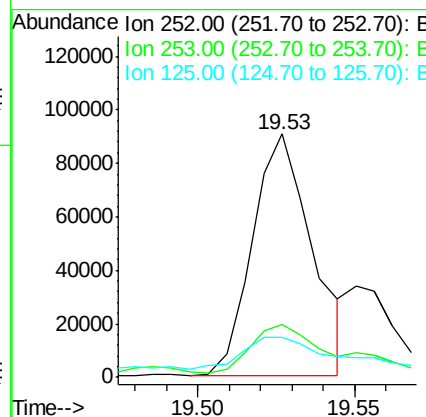
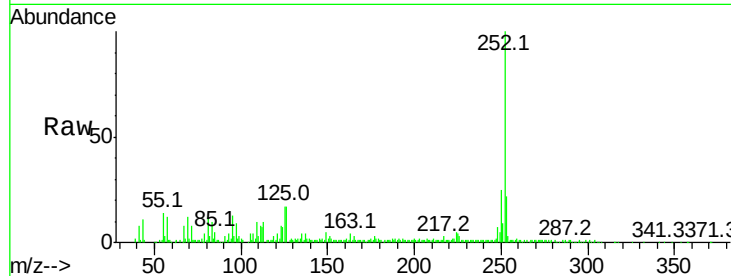
ClientSampleId :

G-32-1.5-3

Tot Ion:	252	Resp:	120080
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.1	27.1
125	16.7	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 5.22 ng m

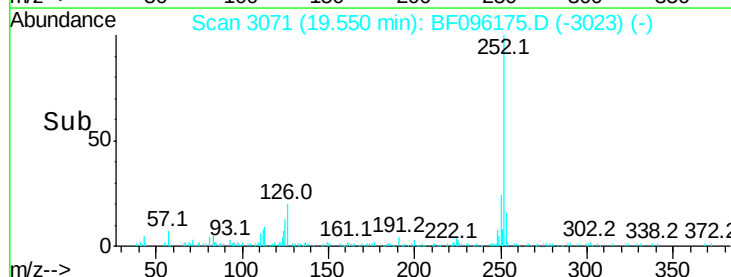
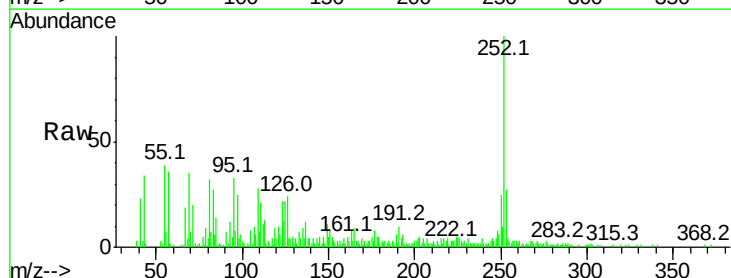
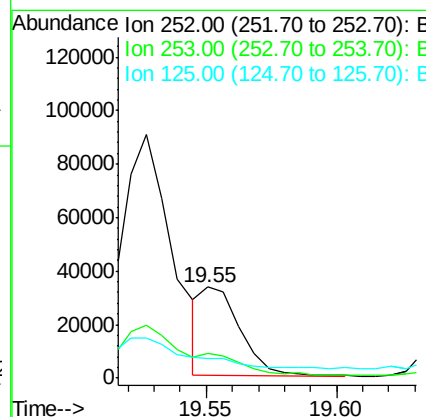
RT: 19.55 min Scan# 3071

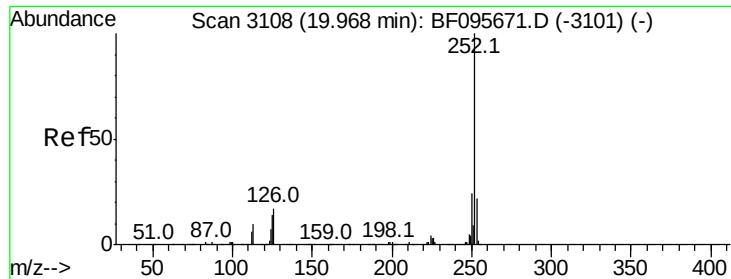
Delta R.T. -0.02 min

Lab File: BF096175.D

Acq: 23 Jun 2017 23:41

Tgt Ion:	252	Resp:	34232
Ion Ratio	Lower	Upper	
252	100		
253	27.4	18.4	27.6
125	21.8	13.1	19.7#





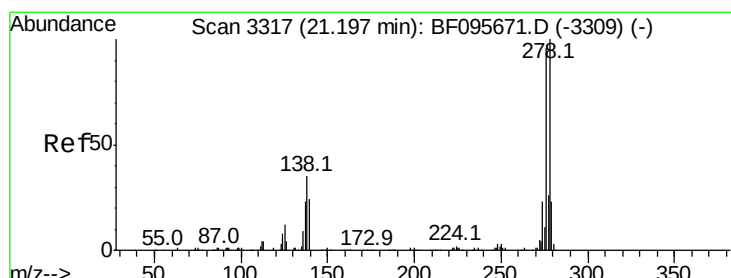
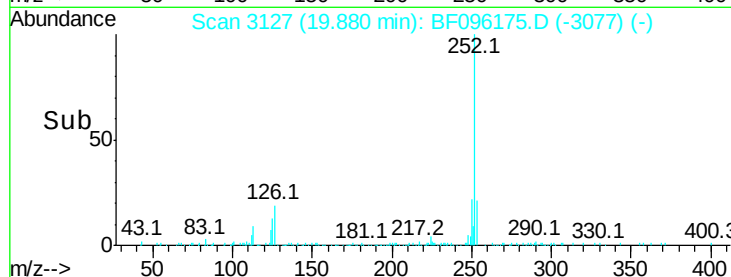
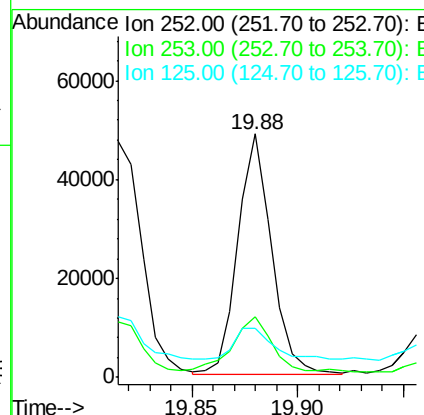
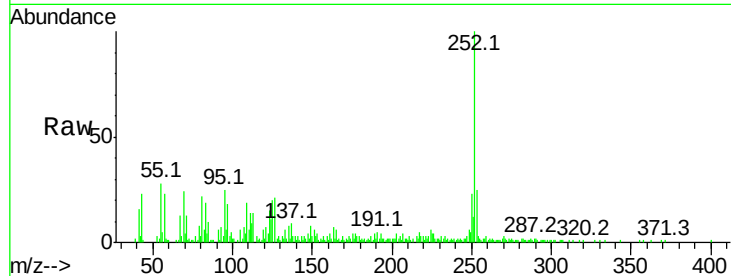
#89
Benzo(a)pyrene
Concen: 8.49 ng
RT: 19.88 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BF096175.D
Acq: 23 Jun 2017 23:41

Instrument :
BNA_F
ClientSampleId :
G-32-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.5	26.3
125	20.3	11.0	16.4

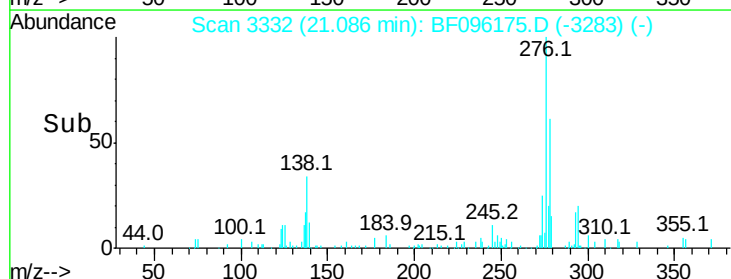
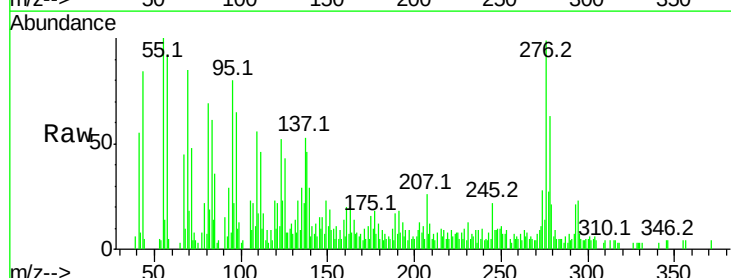
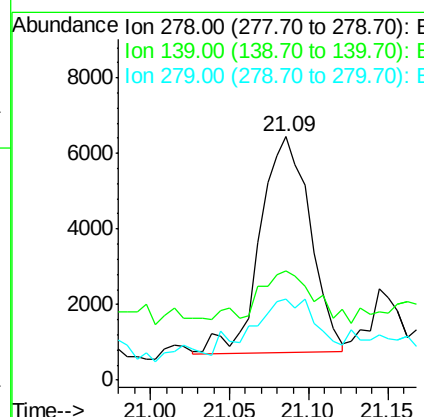
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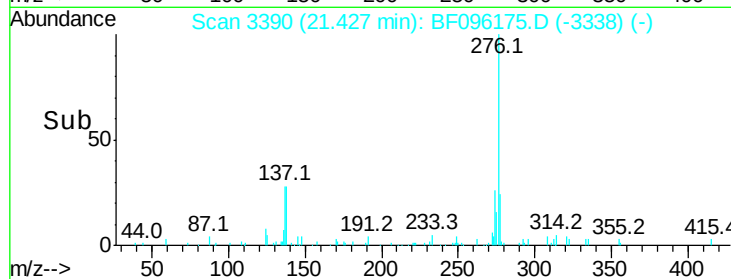
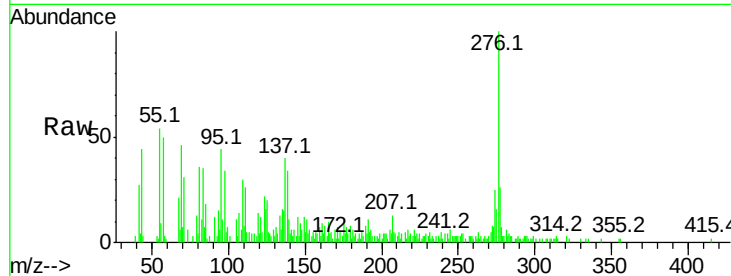
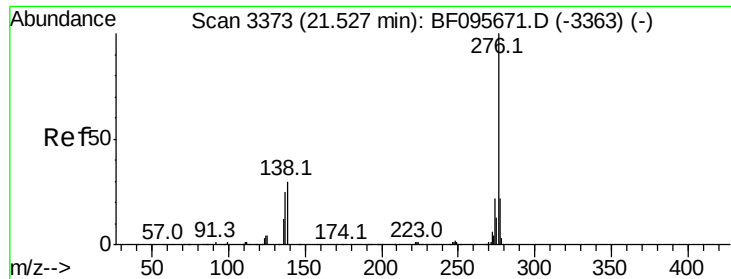
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#90
Dibenzo(a,h)anthracene
Concen: 2.34 ng
RT: 21.09 min Scan# 3332
Delta R.T. -0.01 min
Lab File: BF096175.D
Acq: 23 Jun 2017 23:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	45.1	16.6	24.8
279	33.4	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 6.05 ng

RT: 21.43 min Scan# 3390

Delta R.T. 0.01 min

Lab File: BF096175.D

Acq: 23 Jun 2017 23:41

Instrument :

BNA_F

ClientSampleId :

G-32-1.5-3

Tot Ion: 276 Resp: 33013

Ion Ratio Lower Upper

276 100

277 26.2 18.6 28.0

138 33.7 25.4 38.0

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