

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
 Data File : BF095948.D
 Acq On : 15 Jun 2017 5:40
 Operator : SJ/MA
 Sample : I3635-04DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-061217-BDL

Manual Integrations
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Quant Time: Jun 15 06:44:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	69183	20.00	ng	-0.06
21) Naphthalene-d8	9.36	136	271975	20.00	ng	-0.07
38) Acenaphthene-d10	12.19	164	105791	20.00	ng	-0.07
63) Phenanthrene-d10	14.58	188	157897	20.00	ng	-0.06
75) Chrysene-d12	18.30	240	133054	20.00	ng	-0.05
86) Perylene-d12	19.97	264	97729	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	86683	19.97	ng	-0.03
7) Phenol-d6	6.93	99	111791	21.51	ng	-0.02
23) Nitrobenzene-d5	8.26	82	63476	14.49	ng	-0.06
41) 2,4,6-Tribromophenol	13.49	330	15754	16.83	ng	-0.06
44) 2-Fluorobiphenyl	11.15	172	133232	17.53	ng	-0.07
78) Terphenyl-d14	16.95	244	90410	16.86	ng	-0.06
Target Compounds						Qvalue
48) Acenaphthylene	11.96	152	54238	4.66	ng	97
57) Fluorene	13.09	166	21634	2.63	ng	96
70) Phenanthrene	14.62	178	160598	17.63	ng	98
71) Anthracene	14.71	178	54809	5.76	ng	98
74) Fluoranthene	16.40	202	369655	40.99	ng	99
77) Pyrene	16.70	202	386016	38.88	ng	96
80) Benzo(a)anthracene	18.29	228	200495	25.92	ng	96
82) Chrysene	18.33	228	181832	23.52	ng	99
85) Indeno(1,2,3-cd)pyrene	21.14	276	82252	12.43	ng	93
87) Benzo(b)fluoranthene	19.57	252	202923m	33.16	ng	
88) Benzo(k)fluoranthene	19.60	252	74266m	12.70	ng	
89) Benzo(a)pyrene	19.92	252	143588	25.53	ng	99
90) Dibenzo(a,h)anthracene	21.14	278	33222m	6.96	ng	
91) Benzo(g,h,i)perylene	21.47	276	80247	16.50	ng	98

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

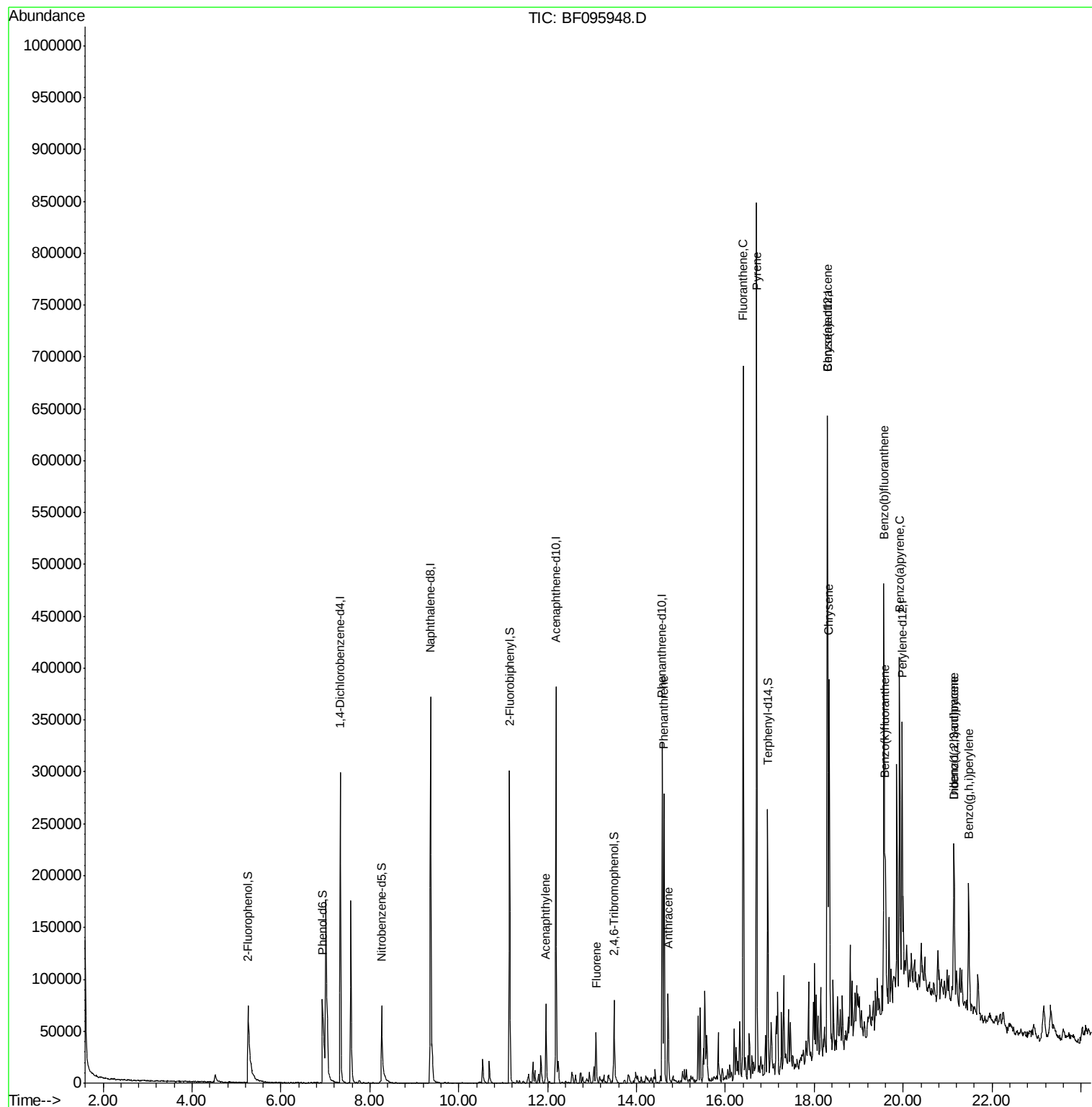
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
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#1

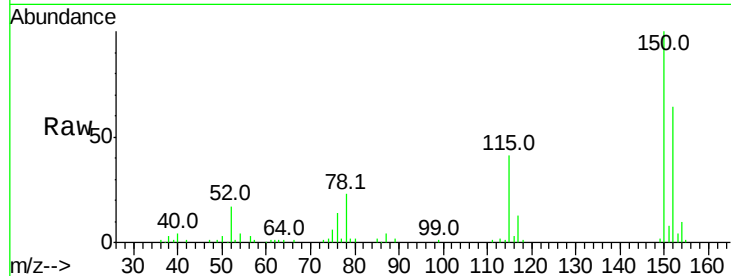
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.33 min Scan# 977
Delta R.T. -0.06 min
Lab File: BF095948.D
Acq: 15 Jun 2017 5:40

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-BDL

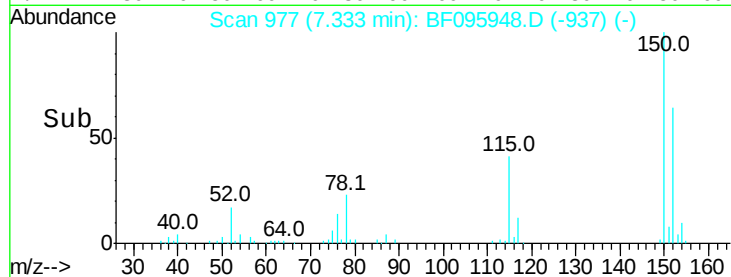
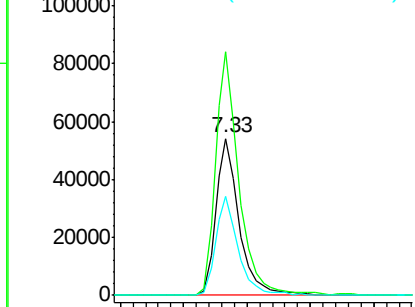
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.2	189.2
115	63.2	52.2	78.2

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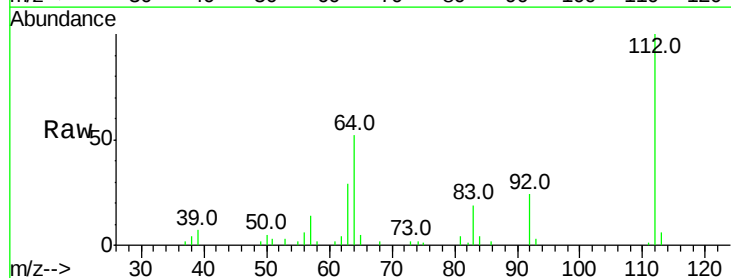
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



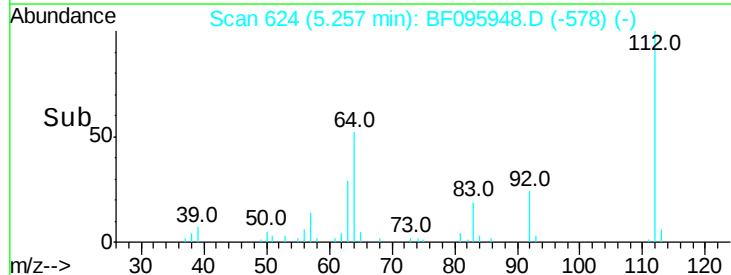
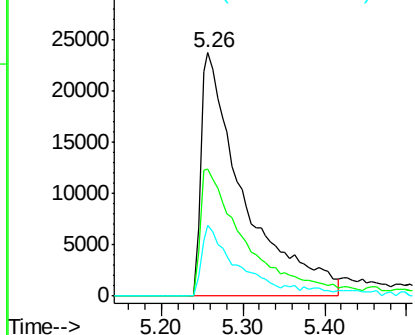
#5

2-Fluorophenol
Concen: 19.97 ng
RT: 5.26 min Scan# 624
Delta R.T. -0.03 min
Lab File: BF095948.D
Acq: 15 Jun 2017 5:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	46.0	69.0
63	29.1	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.51 ng

RT: 6.93 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF095948.D

Acq: 15 Jun 2017 5:40

Instrument :

BNA_F

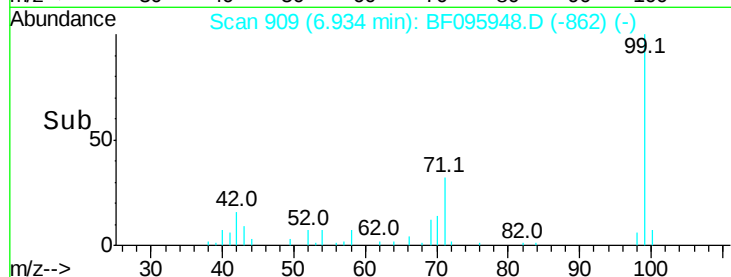
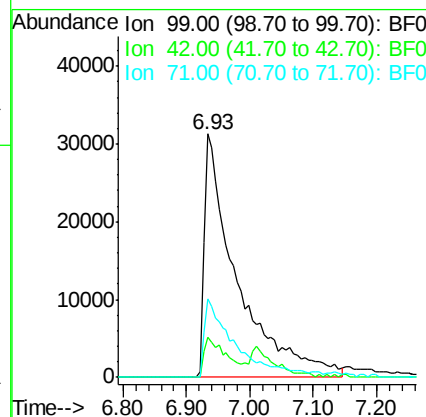
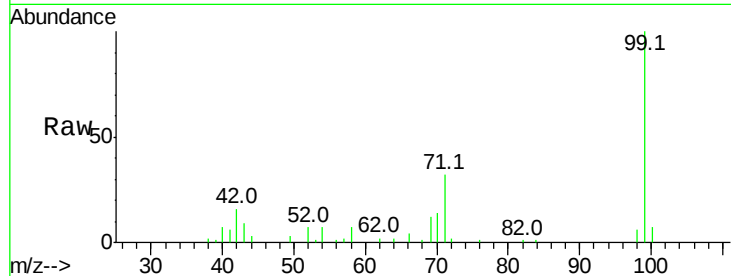
ClientSampleId :

CL-02-061217-BDL

Tot Ion:	99	Resp:	111791
Ion Ratio	Lower	Upper	
99	100		
42	16.3	13.5	20.3
71	32.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

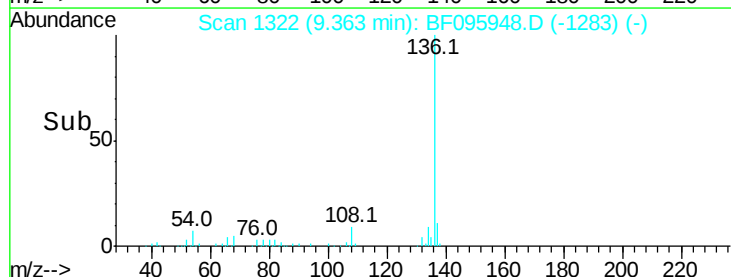
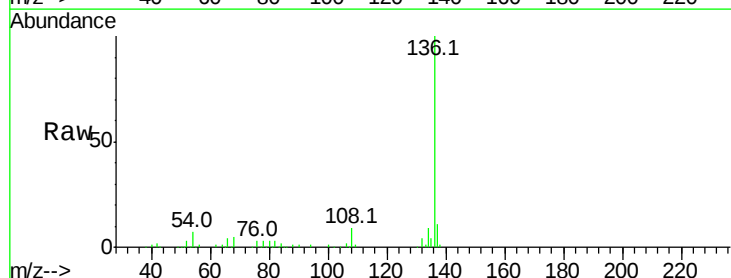
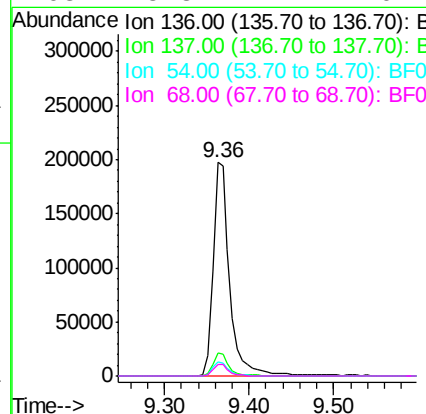
RT: 9.36 min Scan# 1322

Delta R.T. -0.07 min

Lab File: BF095948.D

Acq: 15 Jun 2017 5:40

Tgt Ion:	136	Resp:	271975
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	6.8	4.9	7.3
68	5.3	4.1	6.1





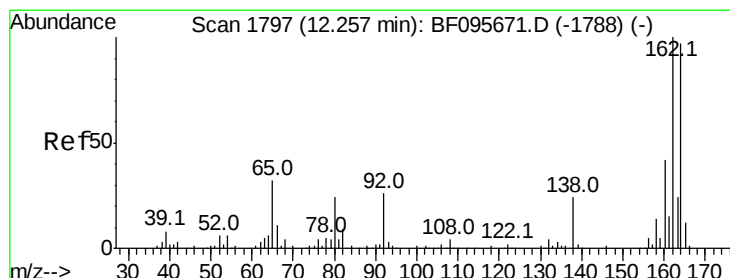
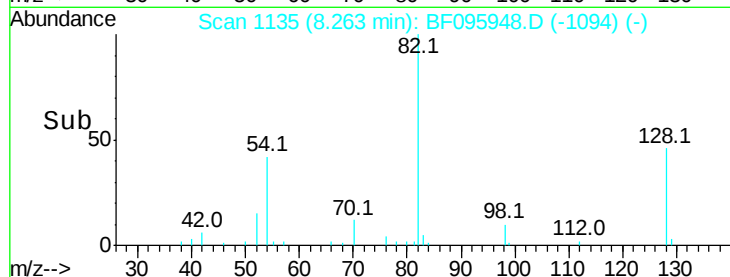
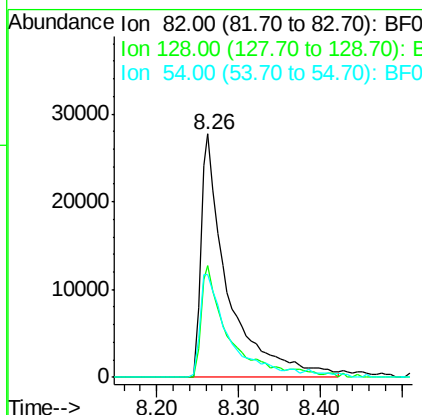
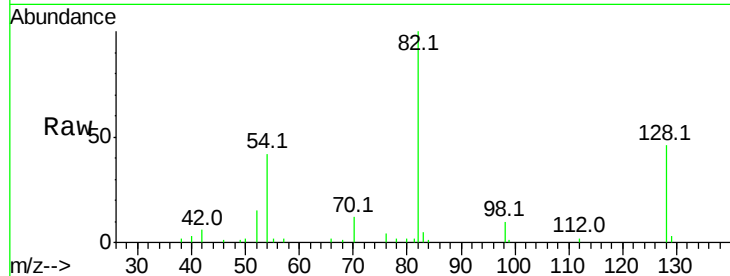
#23
Nitrobenzene-d5
Concen: 14.49 ng
RT: 8.26 min Scan# 1135
Delta R.T. -0.06 min
Lab File: BF095948.D
Acq: 15 Jun 2017 5:40

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-BDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.0	51.0
54	42.4	42.2	63.2

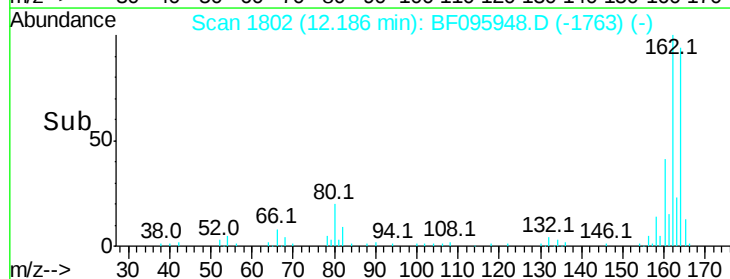
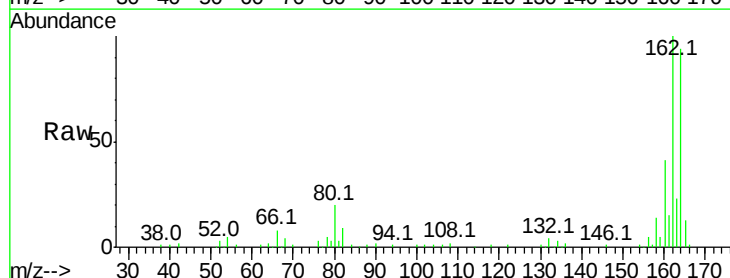
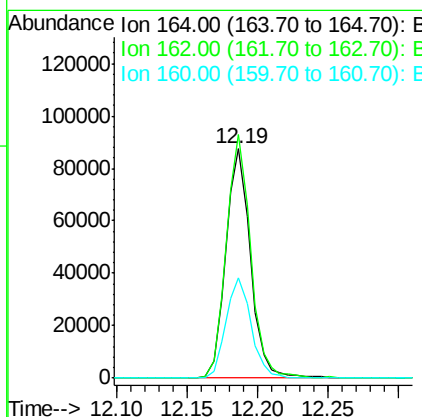
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.19 min Scan# 1802
Delta R.T. -0.07 min
Lab File: BF095948.D
Acq: 15 Jun 2017 5:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	82.6	123.8
160	43.5	36.2	54.2





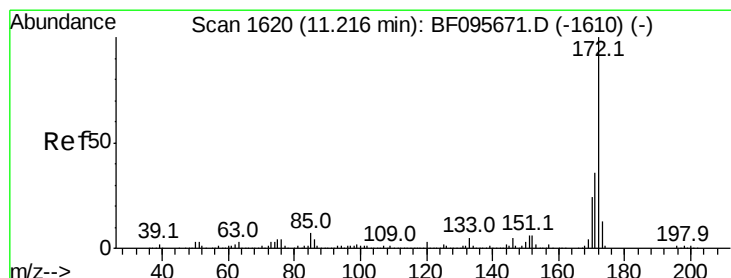
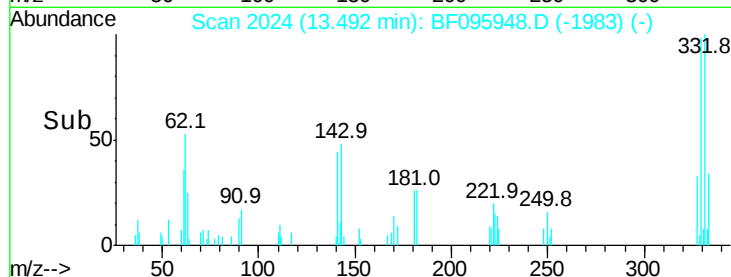
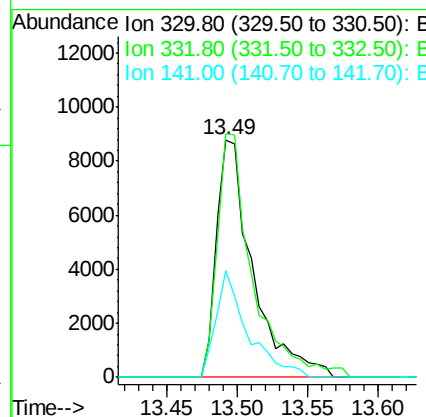
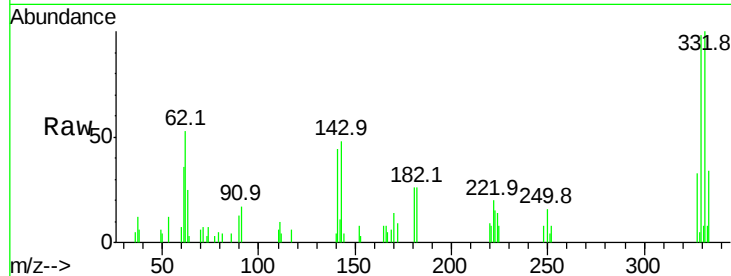
#41
 2,4,6-Tribromophenol
 Concen: 16.83 ng
 RT: 13.49 min Scan# 2024
 Delta R.T. -0.06 min
 Lab File: BF095948.D
 Acq: 15 Jun 2017 5:40

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-061217-BDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.4	76.6	115.0
141	39.2	31.4	47.2

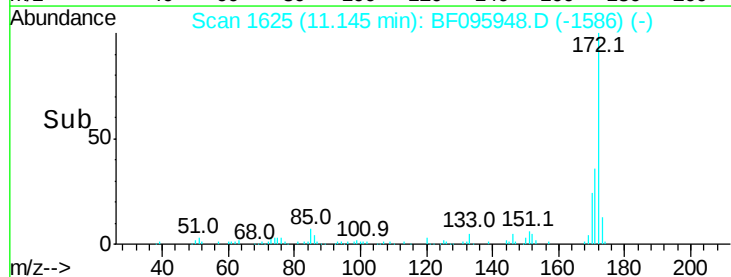
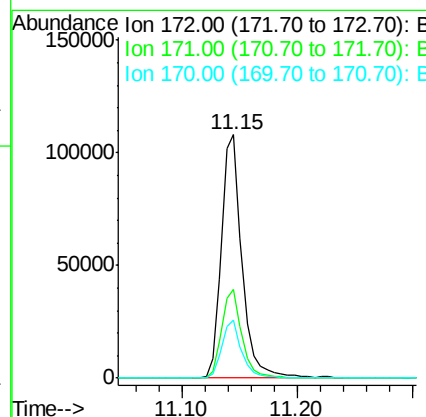
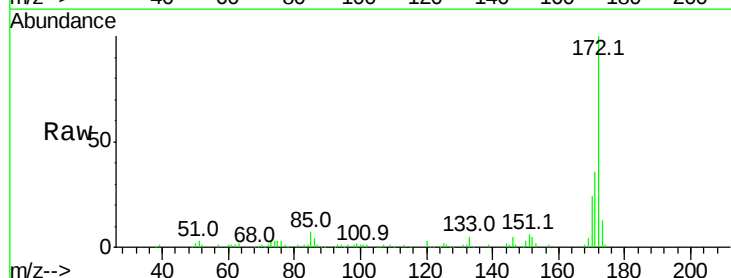
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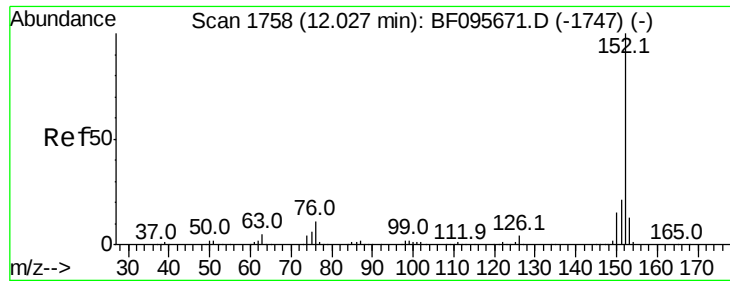
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#44
 2-Fluorobiphenyl
 Concen: 17.53 ng
 RT: 11.15 min Scan# 1625
 Delta R.T. -0.07 min
 Lab File: BF095948.D
 Acq: 15 Jun 2017 5:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.8	19.8	29.8





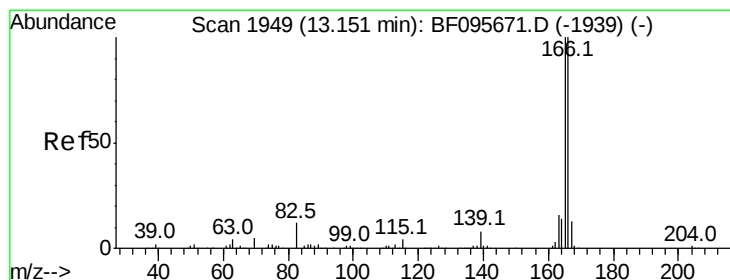
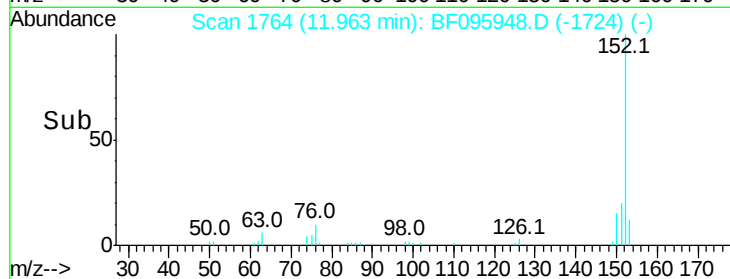
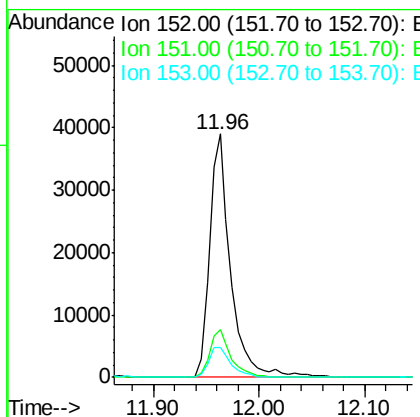
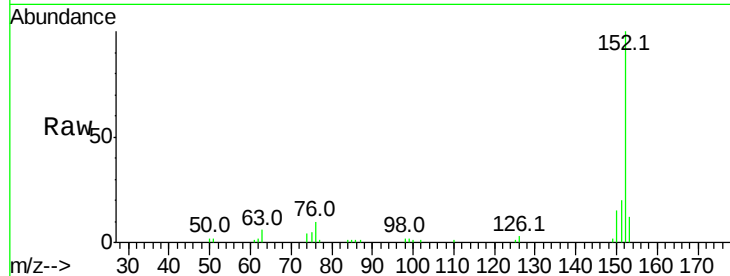
#48
Acenaphthylene
Concen: 4.66 ng
RT: 11.96 min Scan# 1764
Delta R.T. -0.06 min
Lab File: BF095948.D
Acq: 15 Jun 2017 5:40

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-BDL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.8	25.2
153	12.1	10.8	16.2

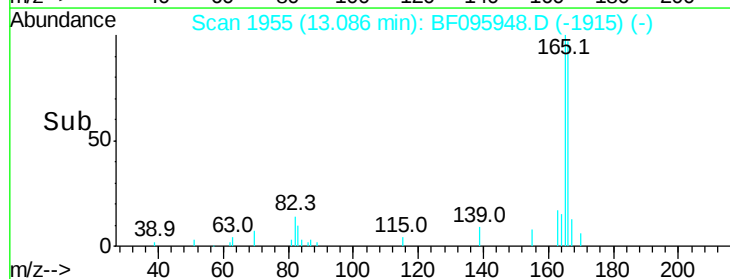
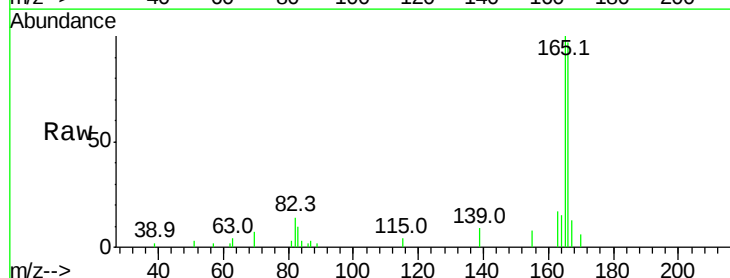
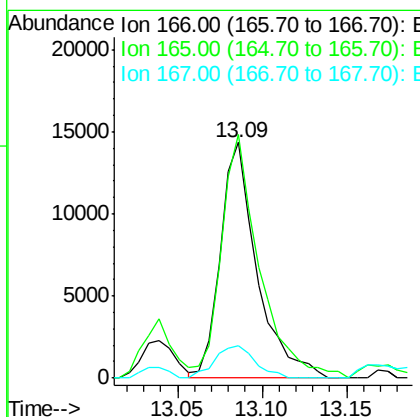
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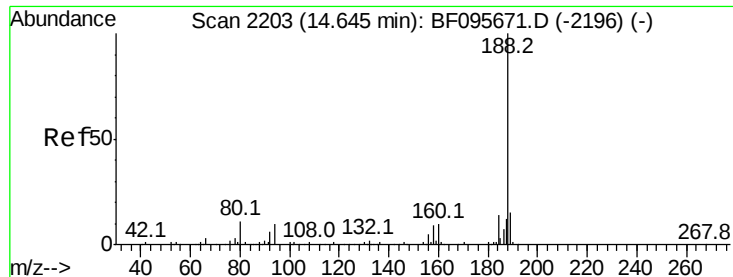
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#57
Fluorene
Concen: 2.63 ng
RT: 13.09 min Scan# 1955
Delta R.T. -0.06 min
Lab File: BF095948.D
Acq: 15 Jun 2017 5:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.4	78.8	118.2
167	13.8	10.6	16.0





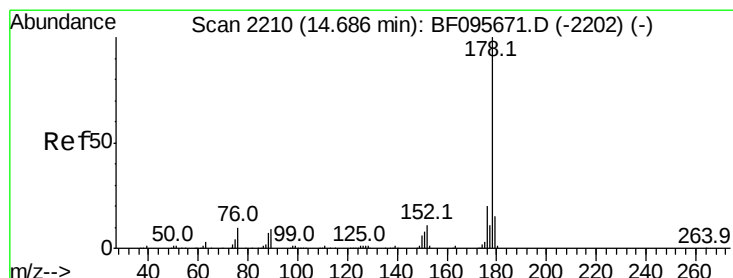
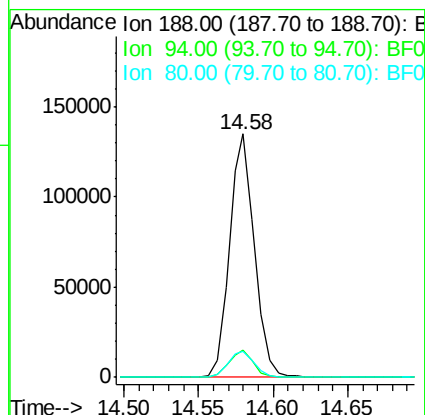
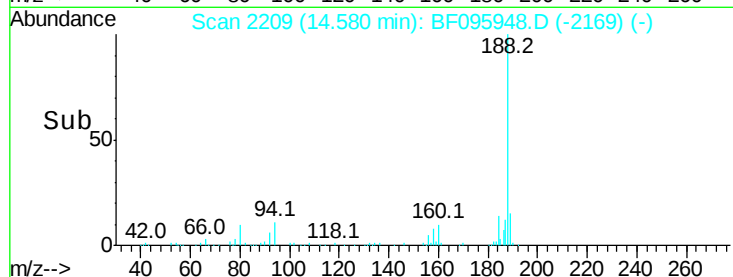
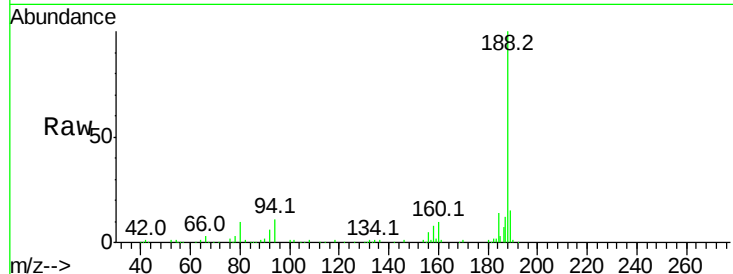
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.58 min Scan# 2209
Delta R.T. -0.06 min
Lab File: BF095948.D
Acq: 15 Jun 2017 5:40

Instrument :
BNA_F
ClientSampled :
CL-02-061217-BDL

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.3	9.4	14.2
80	10.5	10.2	15.2

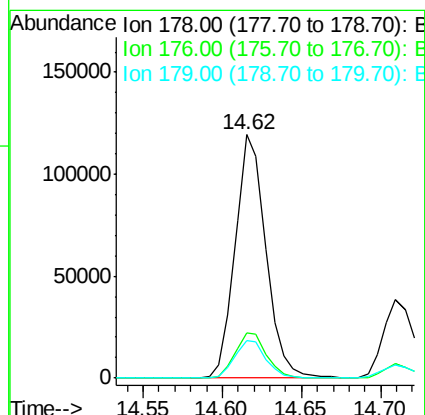
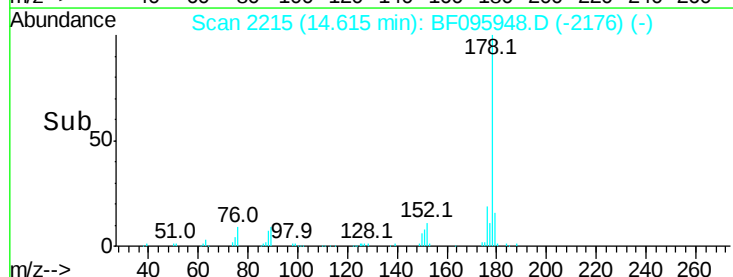
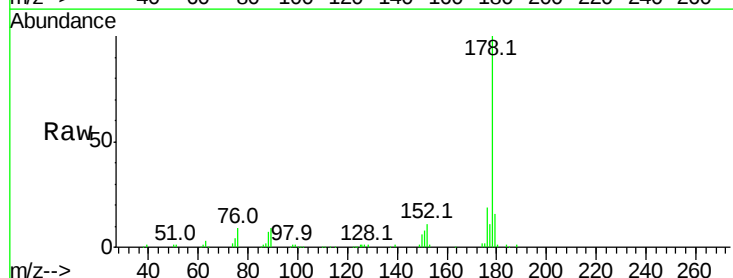
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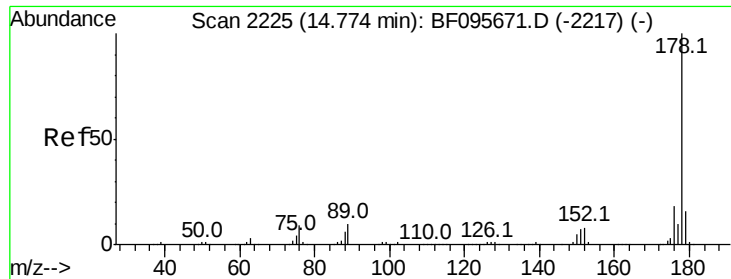
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#70
Phenanthrene
Concen: 17.63 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.07 min
Lab File: BF095948.D
Acq: 15 Jun 2017 5:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.7	16.2	24.4
179	15.6	12.6	19.0





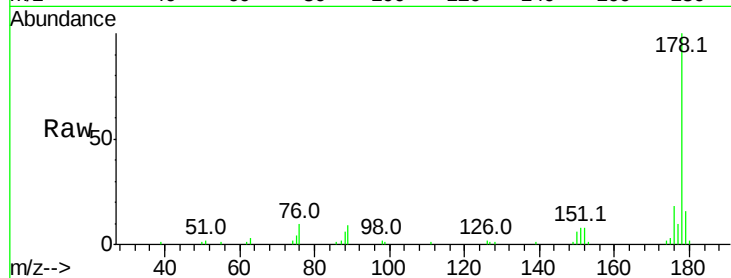
#71
 Anthracene
 Concen: 5.76 ng
 RT: 14.71 min Scan# 2231
 Delta R.T. -0.06 min
 Lab File: BF095948.D
 Acq: 15 Jun 2017 5:40

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-061217-BDL

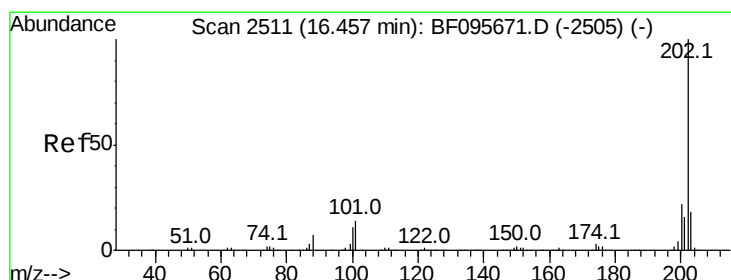
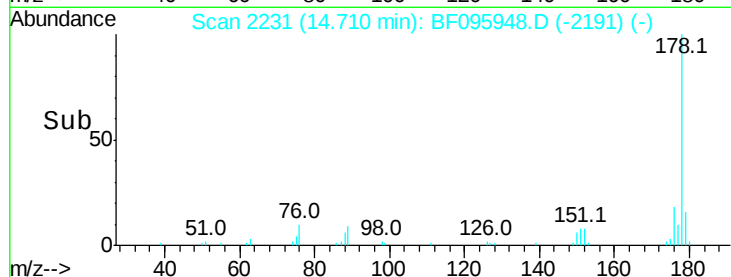
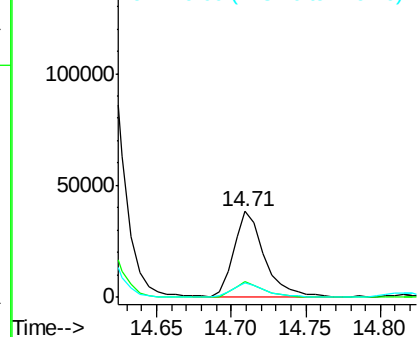
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	16.2	12.7	19.1

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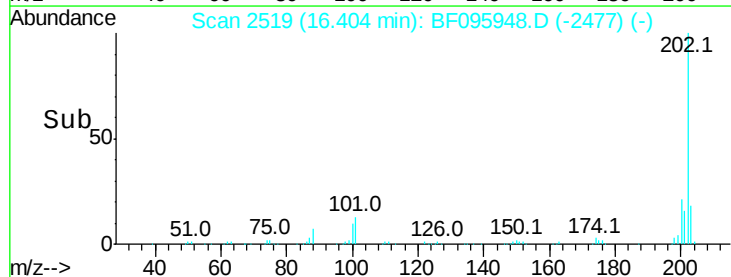
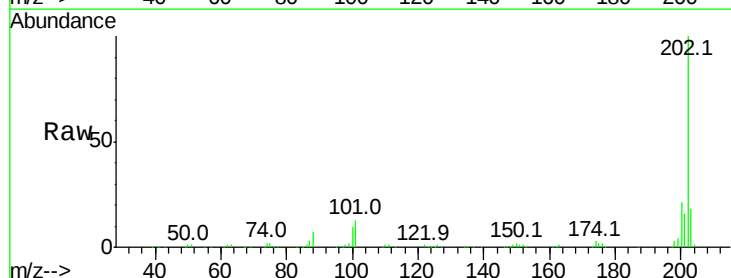
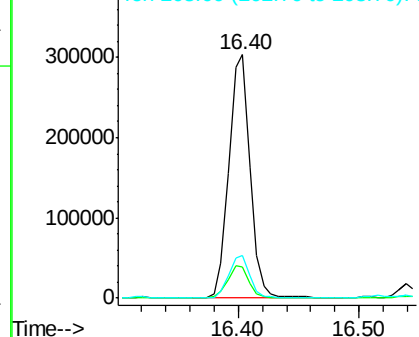
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

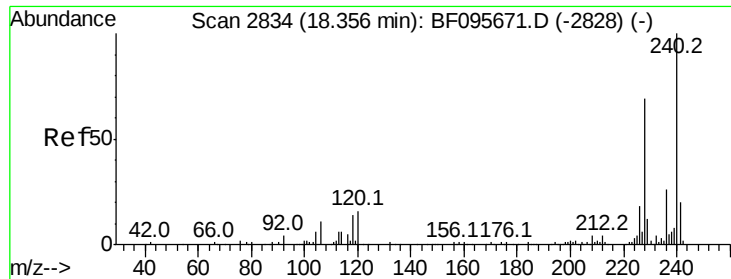


#74
 Fluoranthene
 Concen: 40.99 ng
 RT: 16.40 min Scan# 2519
 Delta R.T. -0.05 min
 Lab File: BF095948.D
 Acq: 15 Jun 2017 5:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.8	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.30 min Scan# 2842

Delta R.T. -0.05 min

Lab File: BF095948.D

Acq: 15 Jun 2017 5:40

Instrument :

BNA_F

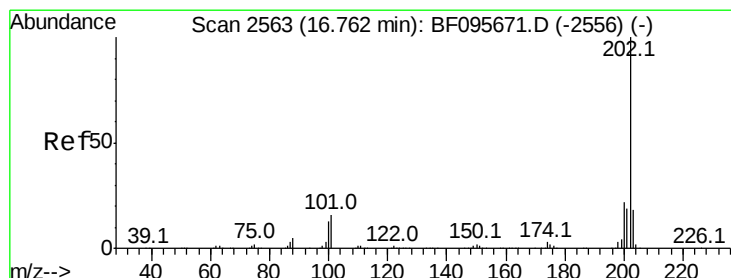
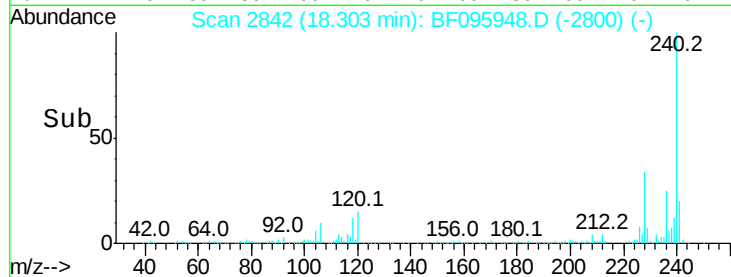
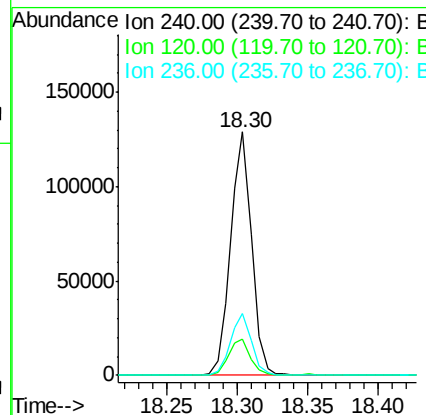
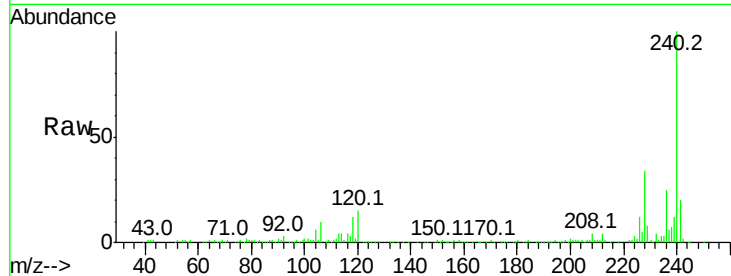
ClientSampleId :

CL-02-061217-BDL

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.7	5.8	8.8#
236	25.3	20.5	30.7

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#77

Pyrene

Concen: 38.88 ng

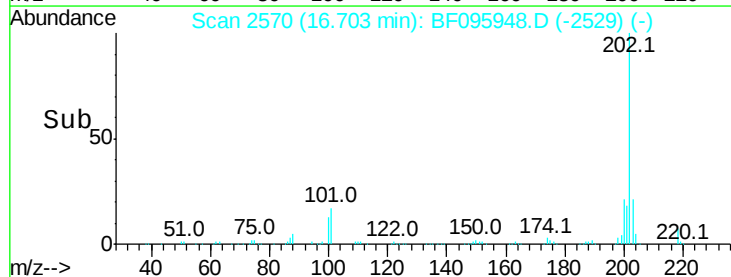
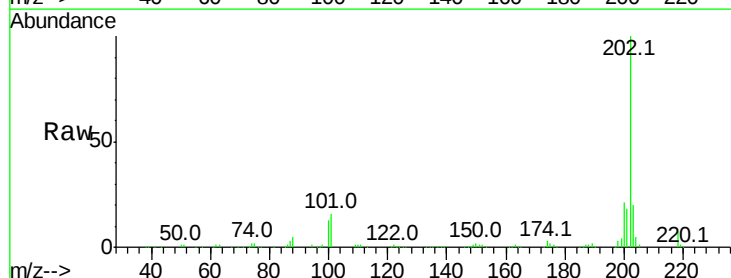
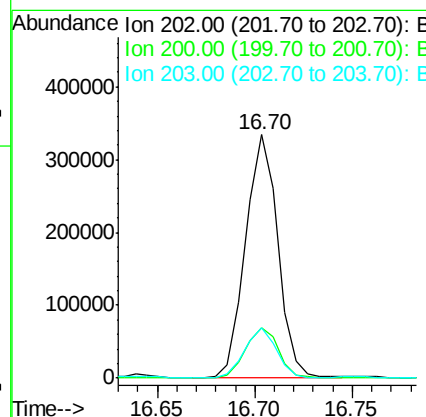
RT: 16.70 min Scan# 2570

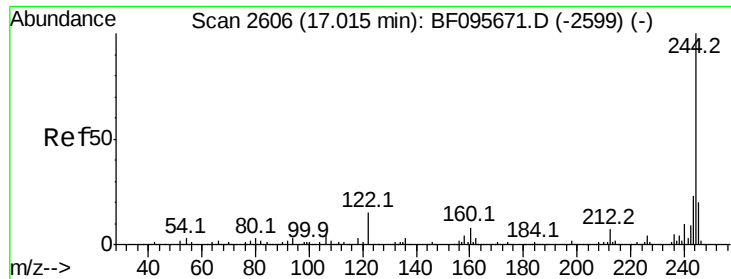
Delta R.T. -0.06 min

Lab File: BF095948.D

Acq: 15 Jun 2017 5:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.6	26.4
203	20.5	14.4	21.6





#78

Terphenyl-d14

Concen: 16.86 ng

RT: 16.95 min Scan# 2612

Delta R.T. -0.06 min

Lab File: BF095948.D

Acq: 15 Jun 2017 5:40

Instrument :

BNA_F

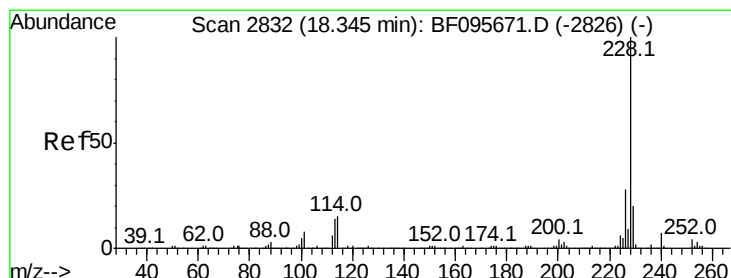
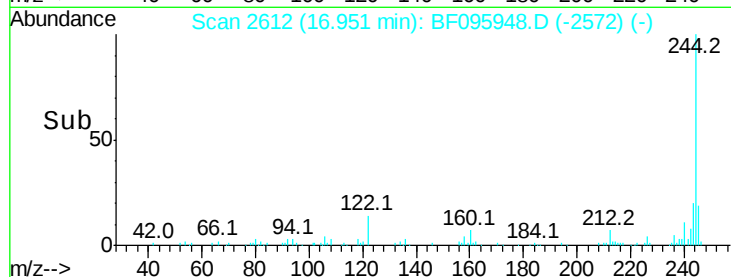
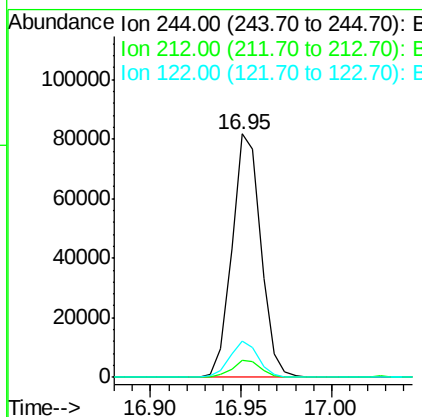
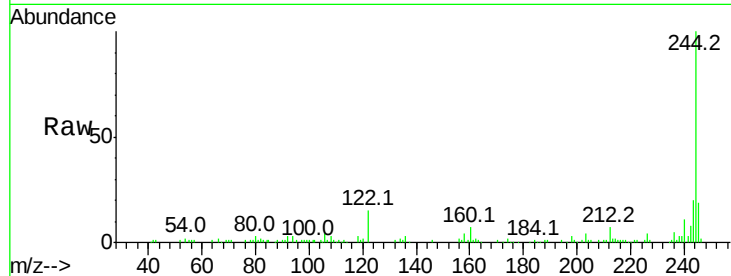
ClientSampleId :

CL-02-061217-BDL

Tot Ion:	244	Resp:	90410
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	14.9	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 25.92 ng

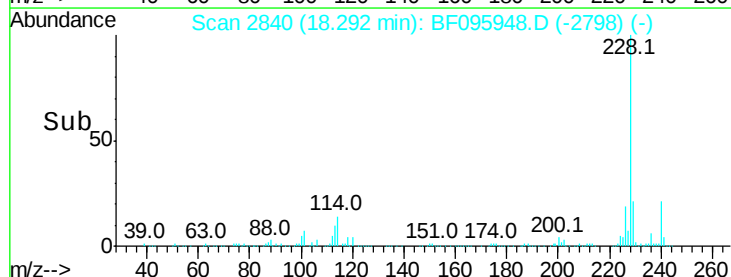
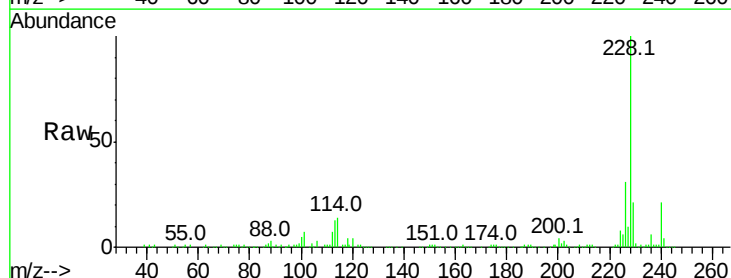
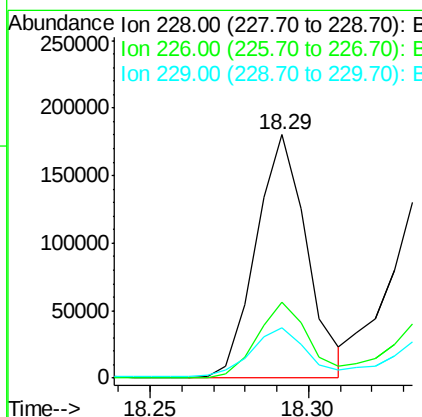
RT: 18.29 min Scan# 2840

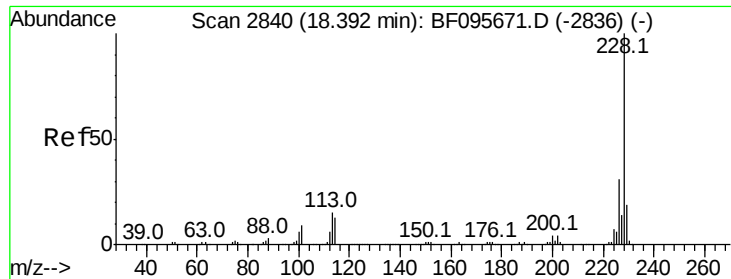
Delta R.T. -0.05 min

Lab File: BF095948.D

Acq: 15 Jun 2017 5:40

Tgt Ion:	228	Resp:	200495
Ion Ratio	Lower	Upper	
228	100		
226	31.1	22.6	33.8
229	20.9	16.3	24.5





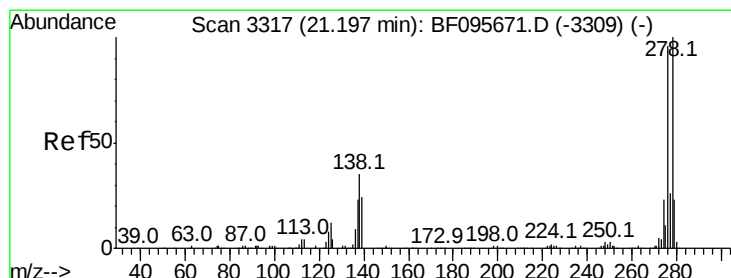
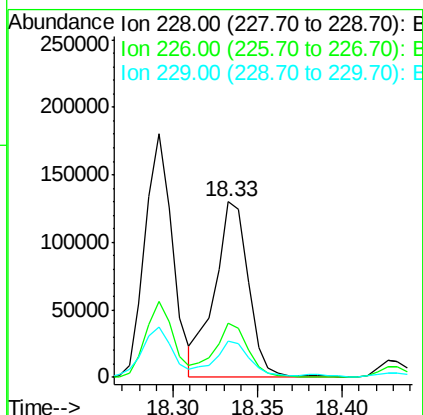
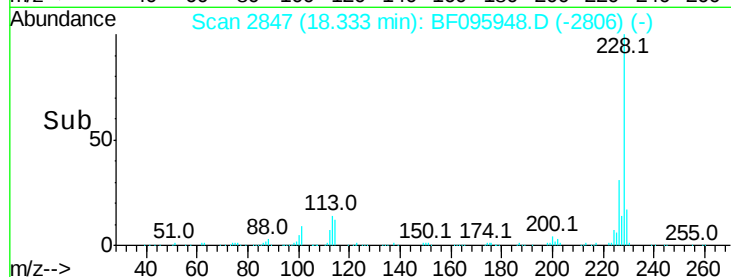
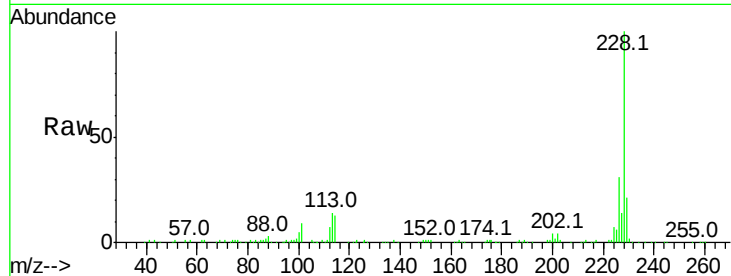
#82
Chrysene
Concen: 23.52 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.06 min
Lab File: BF095948.D
Acq: 15 Jun 2017 5:40

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-BDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3
229	20.6	15.8	23.6

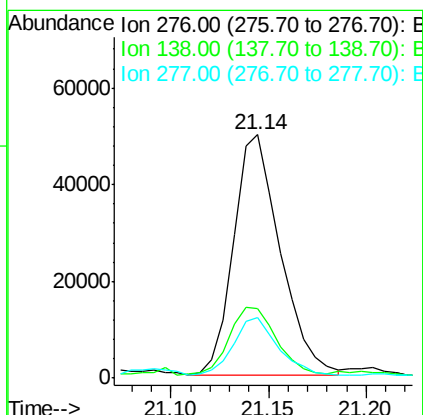
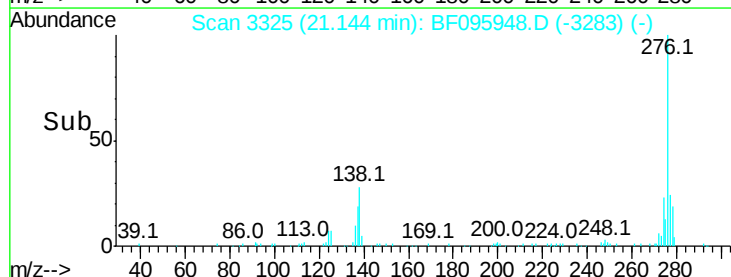
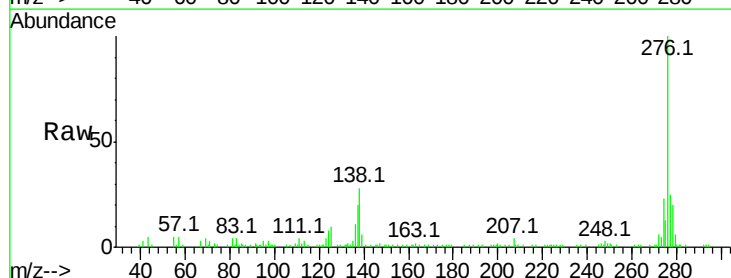
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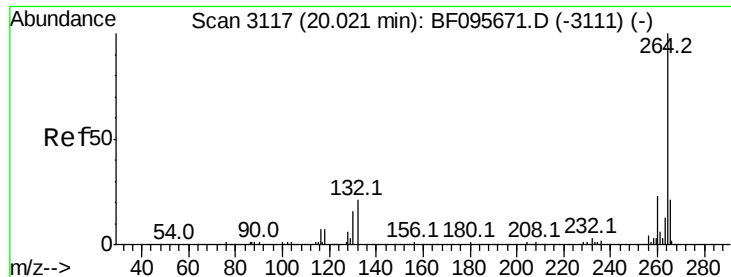
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#85
Indeno(1,2,3-cd)pyrene
Concen: 12.43 ng
RT: 21.14 min Scan# 3325
Delta R.T. -0.05 min
Lab File: BF095948.D
Acq: 15 Jun 2017 5:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.8	27.8	41.6
277	23.4	20.2	30.4





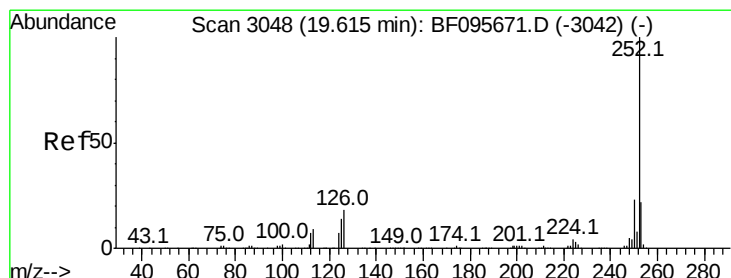
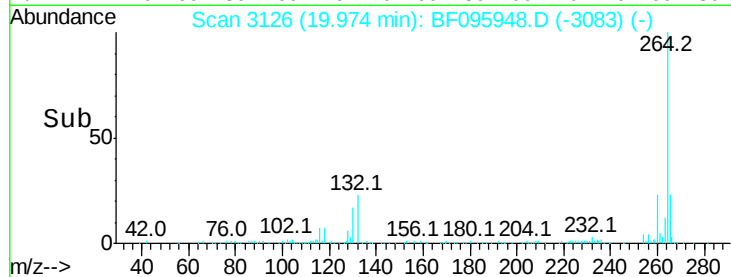
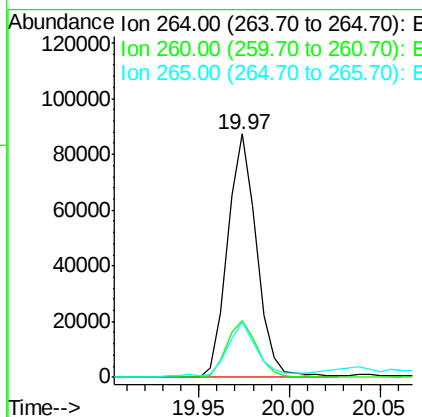
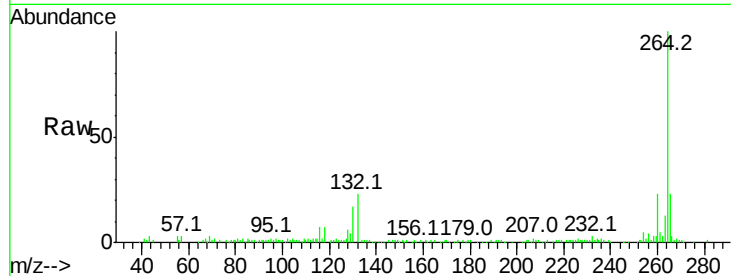
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.97 min Scan# 3126
Delta R.T. -0.05 min
Lab File: BF095948.D
Acq: 15 Jun 2017 5:40

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-BDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	22.7	17.2	25.8

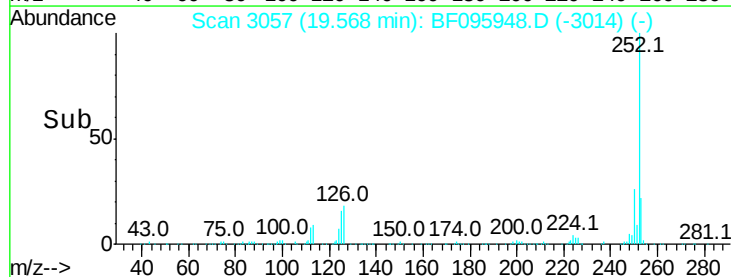
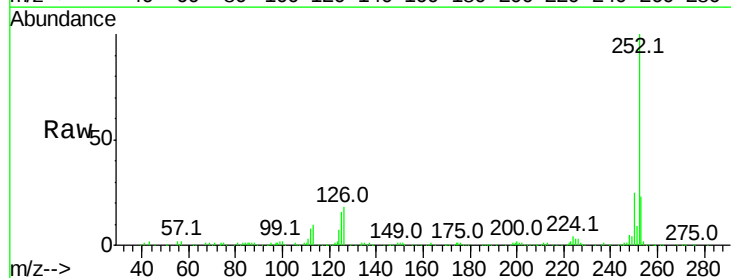
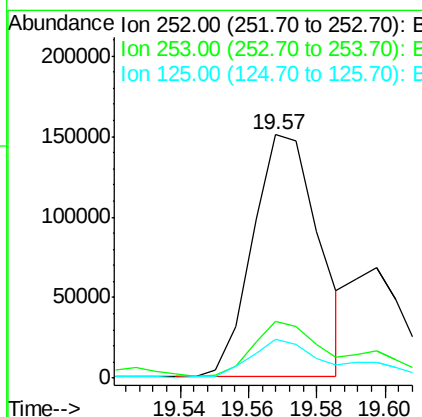
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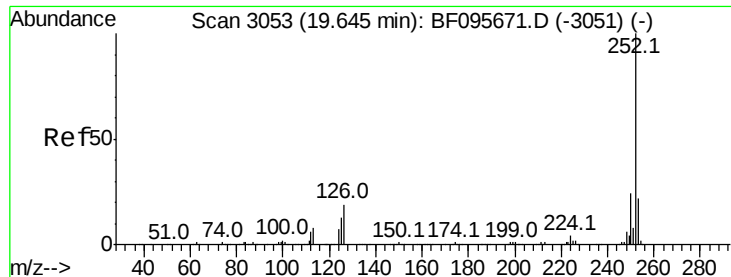
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#87
Benzo(b)fluoranthene
Concen: 33.16 ng m
RT: 19.57 min Scan# 3057
Delta R.T. -0.05 min
Lab File: BF095948.D
Acq: 15 Jun 2017 5:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	15.9	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 12.70 ng

RT: 19.60 min Scan# 3062

Delta R.T. -0.05 min

Lab File: BF095948.D

Acq: 15 Jun 2017 5:40

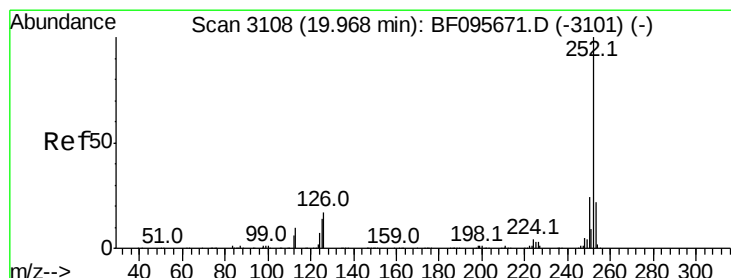
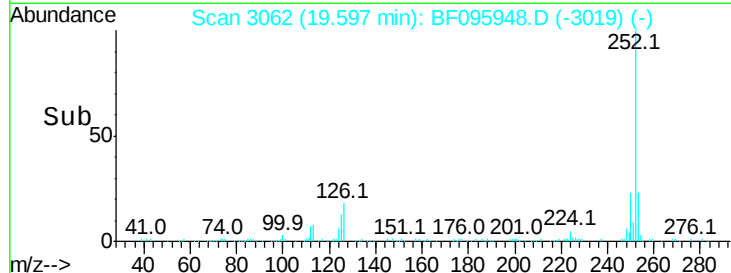
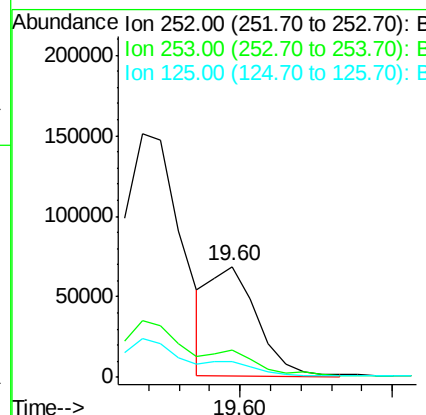
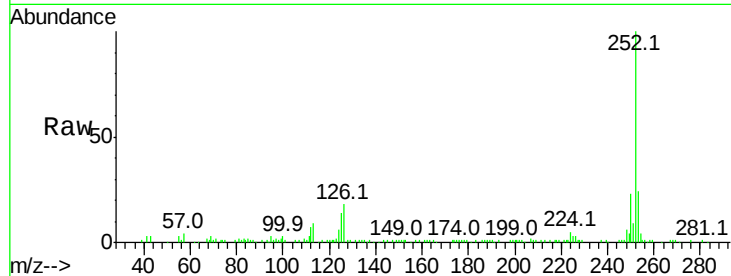
Instrument :
BNA_F

ClientSampleId :
CL-02-061217-BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.4	27.6
125	14.0	13.1	19.7

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#89

Benzo(a)pyrene

Concen: 25.53 ng

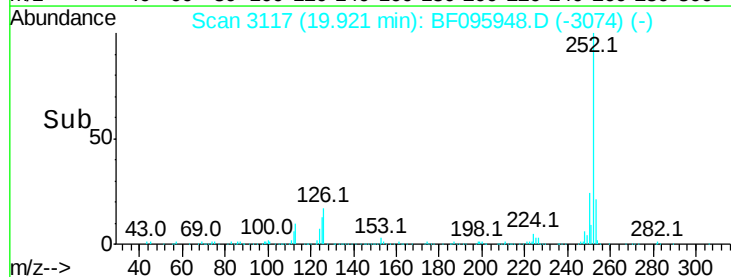
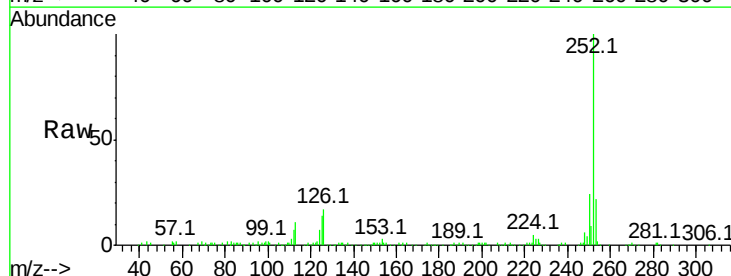
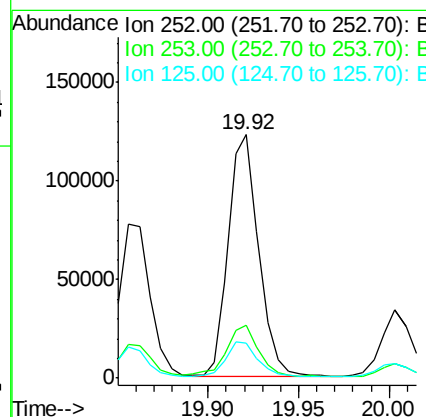
RT: 19.92 min Scan# 3117

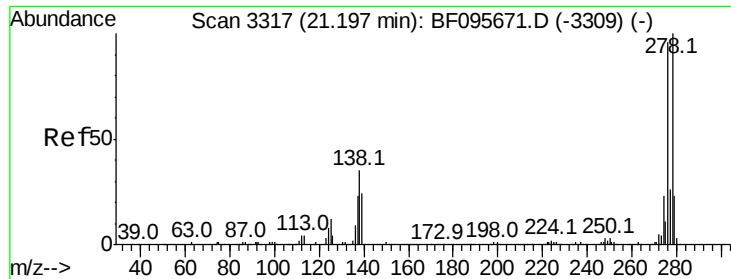
Delta R.T. -0.05 min

Lab File: BF095948.D

Acq: 15 Jun 2017 5:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	14.3	11.0	16.4





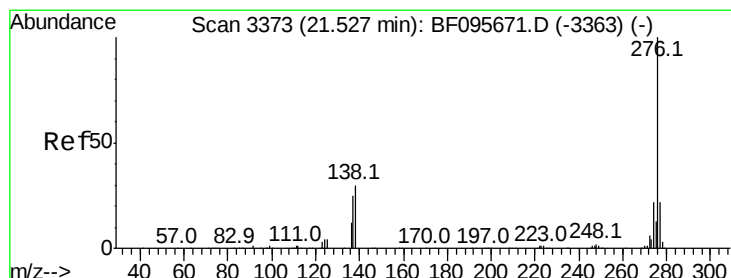
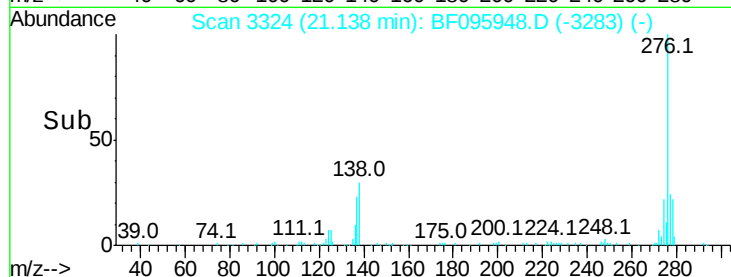
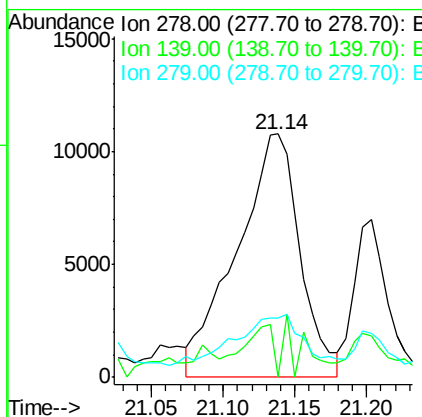
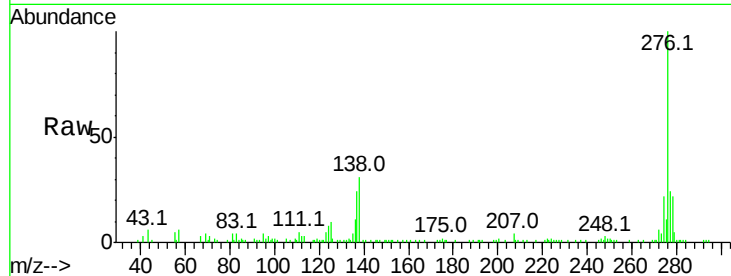
#90
Dibenzo(a,h)anthracene
Concen: 6.96 ng/ml
RT: 21.14 min Scan# 3324
Delta R.T. -0.06 min
Lab File: BF095948.D
Acq: 15 Jun 2017 5:40

Instrument :
BNA_F
ClientSampleId :
CL-02-061217-BDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8
279	24.5	19.3	28.9

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#91
Benzo(g,h,i)perylene
Concen: 16.50 ng
RT: 21.47 min Scan# 3381
Delta R.T. -0.05 min
Lab File: BF095948.D
Acq: 15 Jun 2017 5:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	32.9	25.4	38.0

