

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099995.D
 Acq On : 31 Oct 2017 9:36
 Operator : SJ/JU
 Sample : I6171-09DL 10X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102617-EDL

Manual Integrations
 APPROVED

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 10/31/2017 7:41:25 PM

Quant Time: Oct 31 11:36:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	90815	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	384850	20.00	ng	-0.01
38) Acenaphthene-d10	9.83	164	183583	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	311166	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	181914	20.00	ng	0.02
86) Perylene-d12	15.56	264	163440	20.00	ng	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	63675	11.01	ng	0.00
7) Phenol-d6	6.44	99	87867	12.81	ng	0.00
23) Nitrobenzene-d5	7.36	82	49693	8.31	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	20773	12.42	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	130981	11.01	ng	-0.01
78) Terphenyl-d14	12.91	244	101584	12.20	ng	-0.01
Target Compounds						
48) Acenaphthylene	9.69	152	42583	2.292	ng	98
57) Fluorene	10.38	166	39795	3.000	ng	98
70) Phenanthrene	11.35	178	285998	16.286	ng	97
71) Anthracene	11.40	178	88658	4.974	ng	99
74) Fluoranthene	12.55	202	445169	24.394	ng	98
77) Pyrene	12.77	202	374759	27.092	ng	99
80) Benzo(a)anthracene	14.00	228	157386	13.648	ng	99
82) Chrysene	14.04	228	140973	13.003	ng	99
85) Indeno(1,2,3-cd)pyrene	17.06	276	75052m	7.541	ng	
87) Benzo(b)fluoranthene	15.12	252	179905m	17.432	ng	
88) Benzo(k)fluoranthene	15.14	252	61851m	6.356	ng	
89) Benzo(a)pyrene	15.49	252	129254	13.942	ng	98
90) Dibenzo(a,h)anthracene	17.06	278	20094m	2.439	ng	
91) Benzo(g,h,i)perylene	17.52	276	65194	8.089	ng	93

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

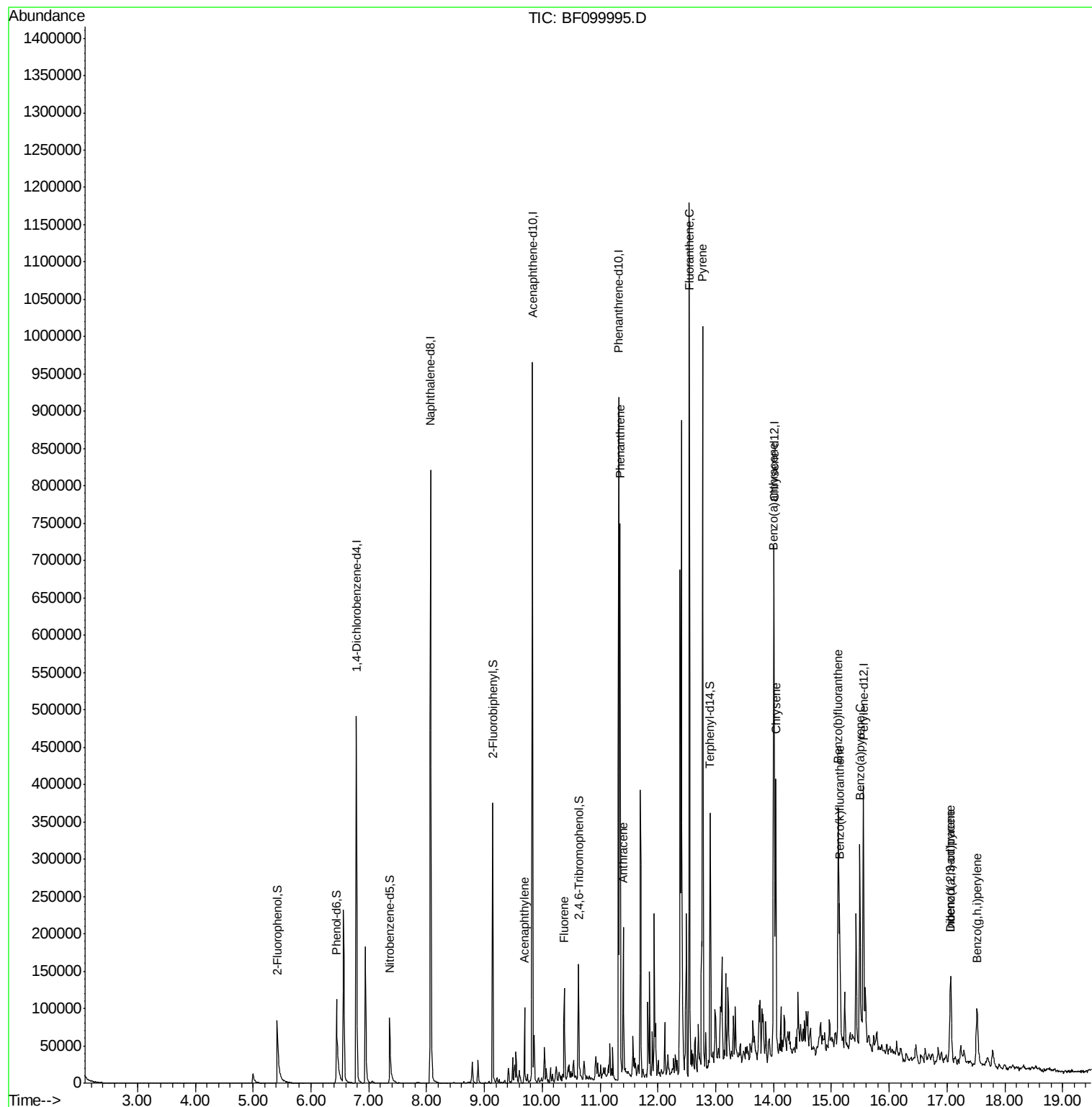
Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
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#1

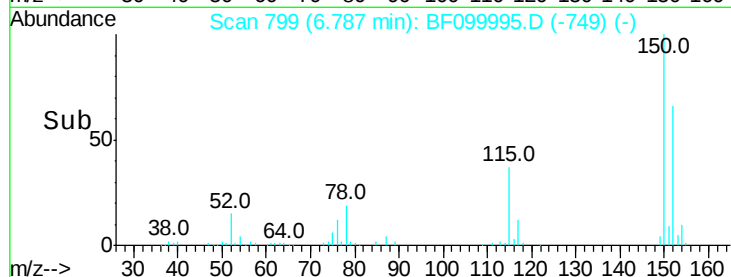
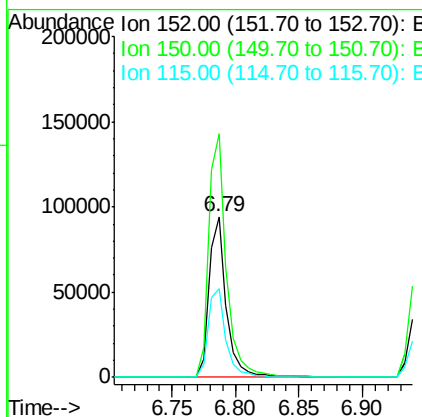
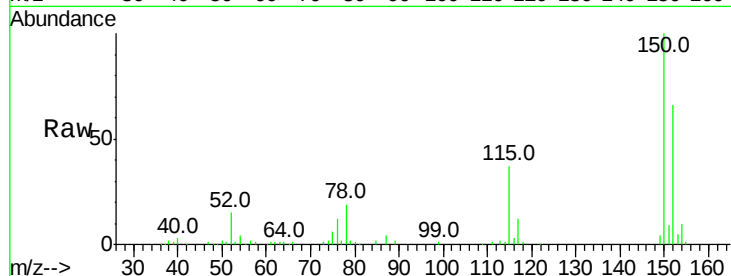
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099995.D
Acq: 31 Oct 2017 9:36

Instrument :
BNA_F
ClientSampleId :
CL-01-102617-EDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	124.6	186.8
115	55.4	50.1	75.1

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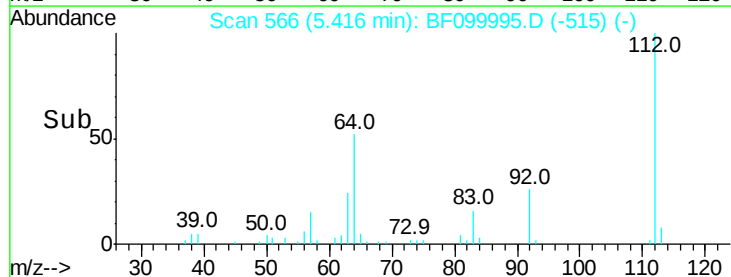
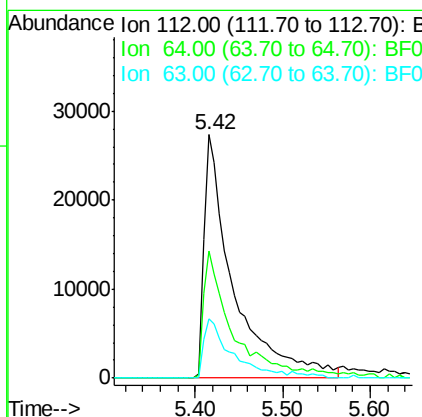
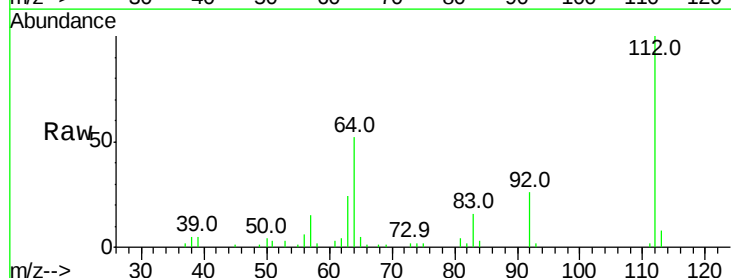
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#5

2-Fluorophenol
Concen: 11.008 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF099995.D
Acq: 31 Oct 2017 9:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	47.9	71.9
63	24.3	23.7	35.5





#7

Phenol-d6

Concen: 12.811 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF099995.D

Acq: 31 Oct 2017 9:36

Instrument :

BNA_F

ClientSampleId :

CL-01-102617-EDL

Tot Ion: 99 Resp: 87867

Ion Ratio Lower Upper

99 100

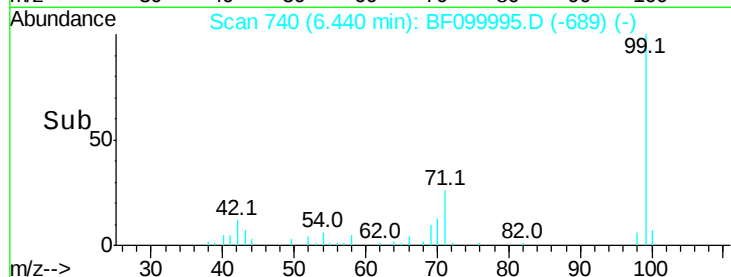
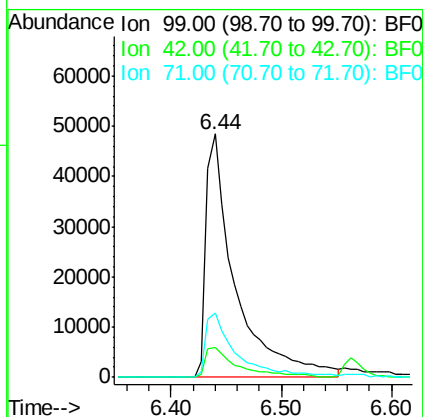
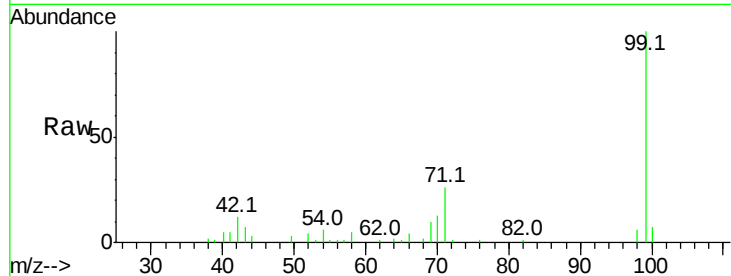
42 12.2 14.5 21.7#

71 26.3 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF099995.D

Acq: 31 Oct 2017 9:36

Tgt Ion: 136 Resp: 384850

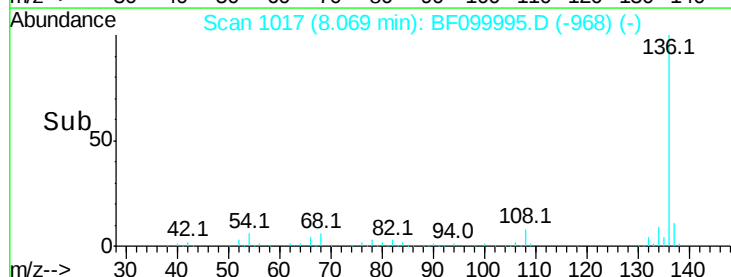
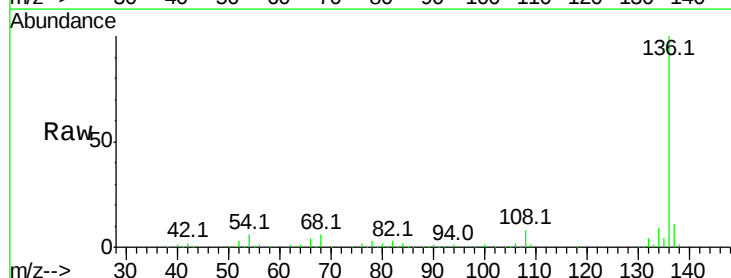
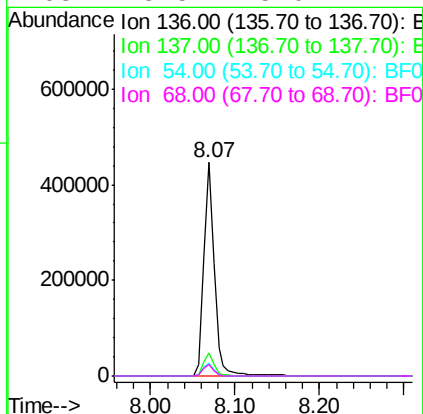
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.1 6.6 9.8#

68 5.5 5.0 7.4





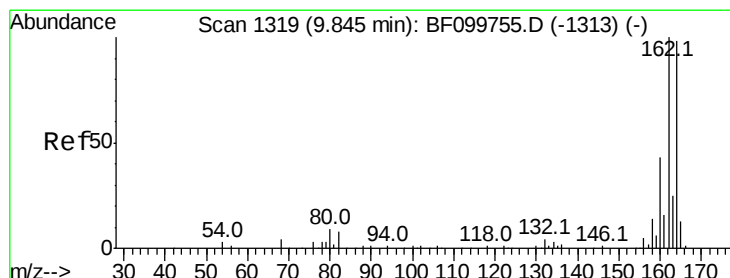
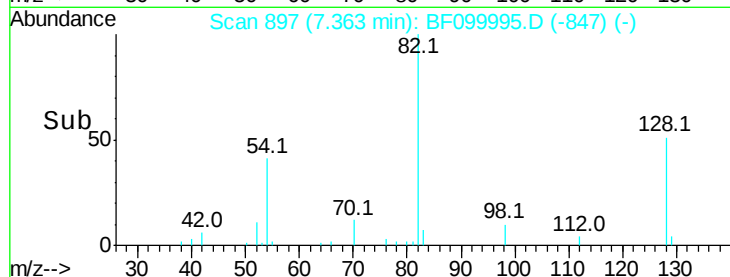
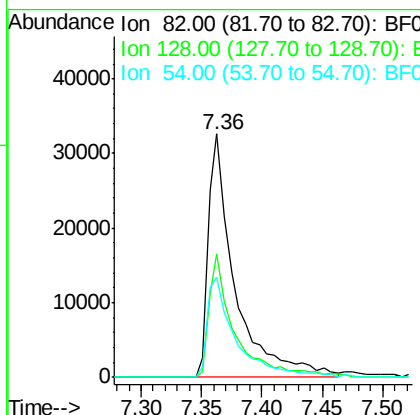
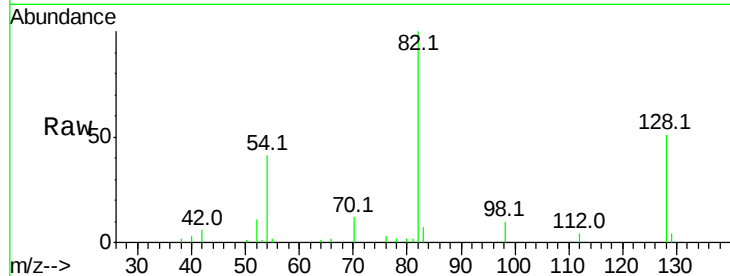
#23
 Nitrobenzene-d5
 Concen: 8.313 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF099995.D
 Acq: 31 Oct 2017 9:36

Instrument :
 BNA_F
 ClientSampled :
 CL-01-102617-EDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.7	36.1	54.1
54	41.0	41.4	62.2#

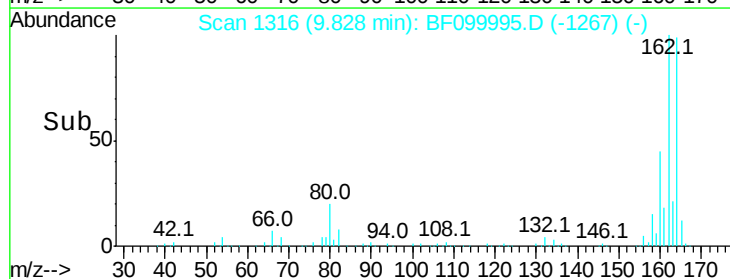
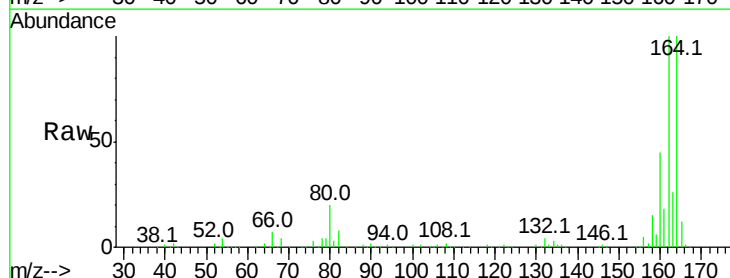
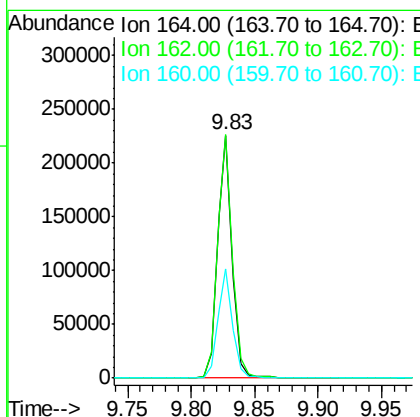
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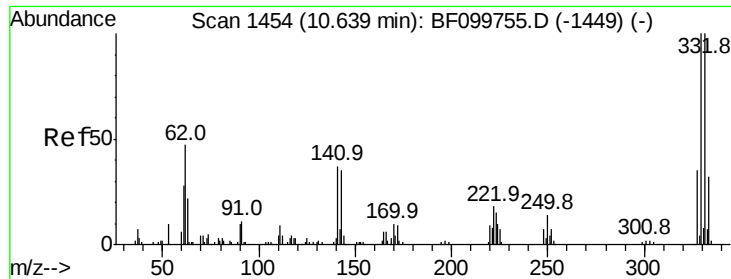
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF099995.D
 Acq: 31 Oct 2017 9:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	86.1	129.1
160	44.8	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 12.416 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF099995.D

Acq: 31 Oct 2017 9:36

Instrument :

BNA_F

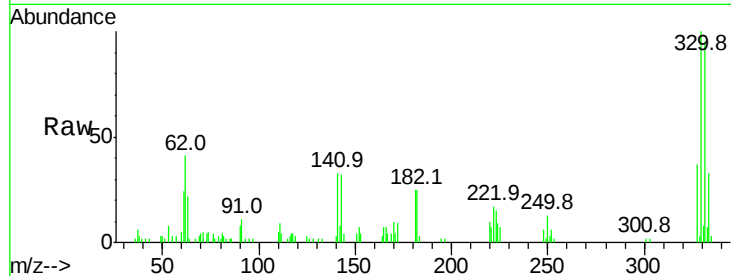
ClientSampleId :

CL-01-102617-EDL

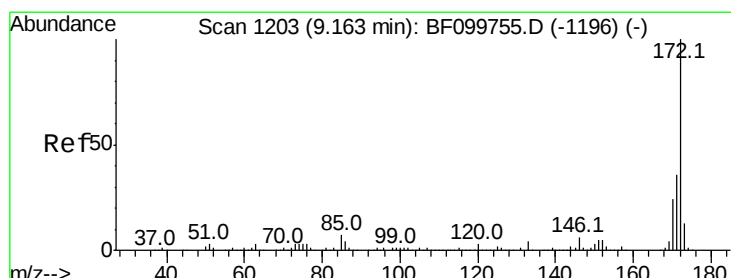
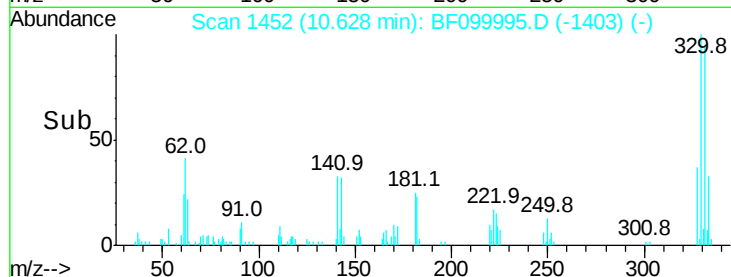
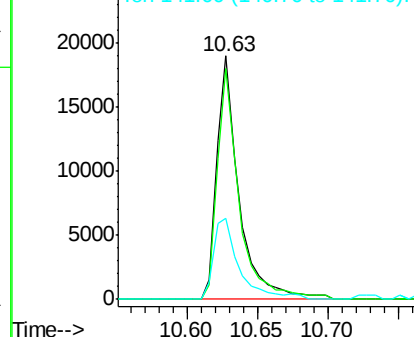
Tot Ion:	330	Resp:	20773
Ion Ratio	Lower	Upper	
330	100		
332	93.4	77.0	115.6
141	38.7	29.9	44.9

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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



#44

2-Fluorobiphenyl

Concen: 11.008 ng

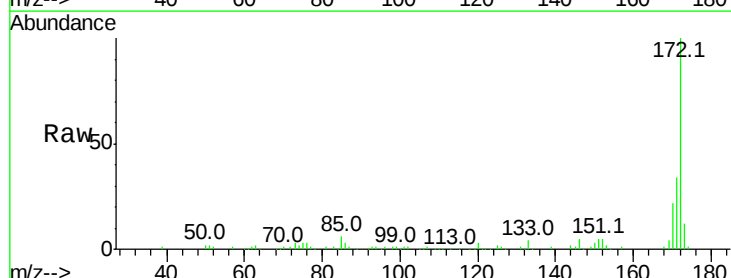
RT: 9.15 min Scan# 1200

Delta R.T. -0.01 min

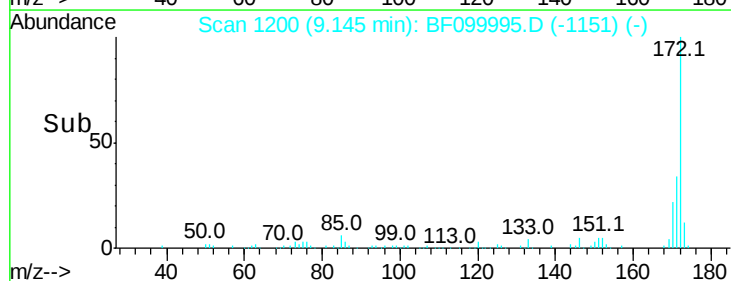
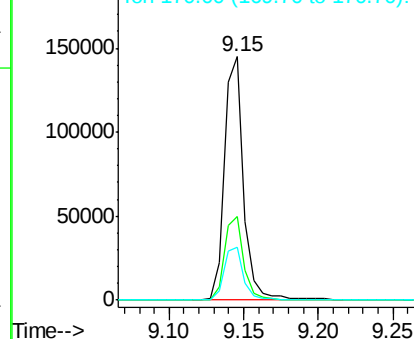
Lab File: BF099995.D

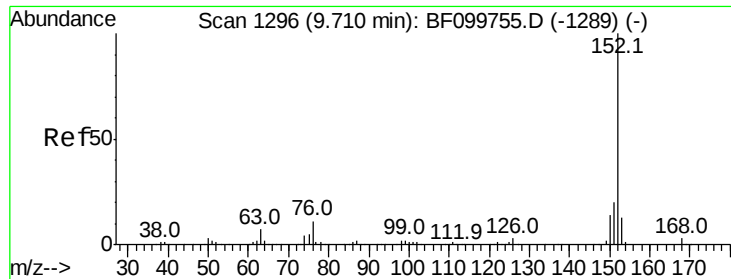
Acq: 31 Oct 2017 9:36

Tgt Ion:	172	Resp:	130981
Ion Ratio	Lower	Upper	
172	100		
171	34.2	29.7	44.5
170	21.9	19.6	29.4



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





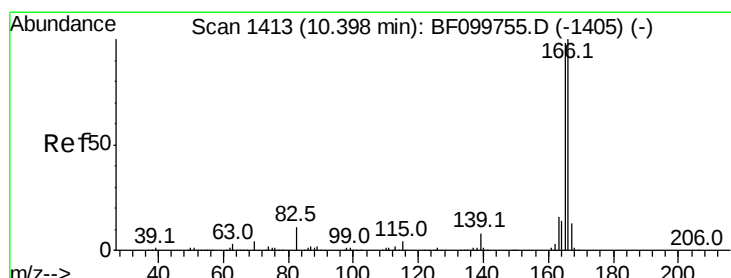
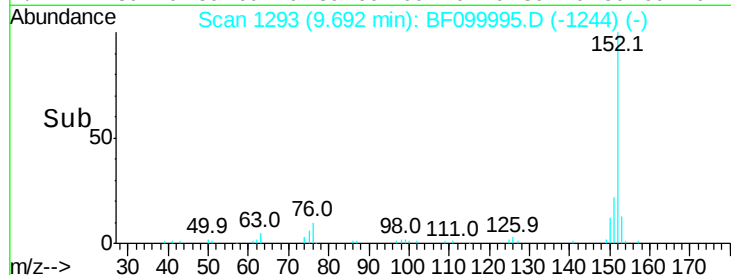
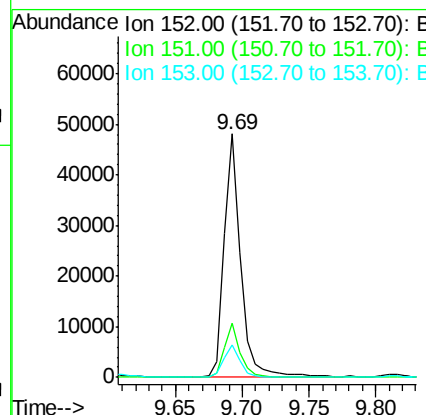
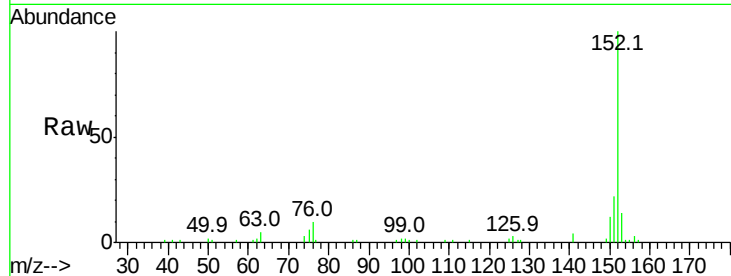
#48
Acenaphthylene
Concen: 2.292 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF099995.D
Acq: 31 Oct 2017 9:36

Instrument :
BNA_F
ClientSampleId :
CL-01-102617-EDL

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.1	16.3	24.5
153	13.5	10.7	16.1

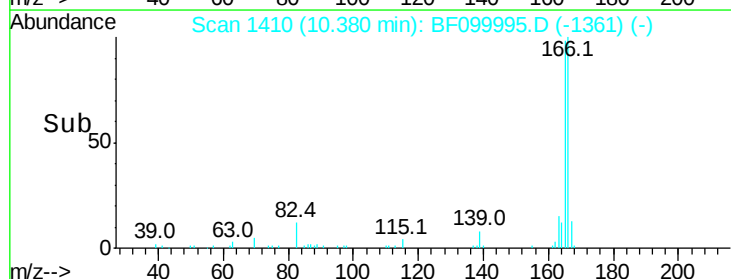
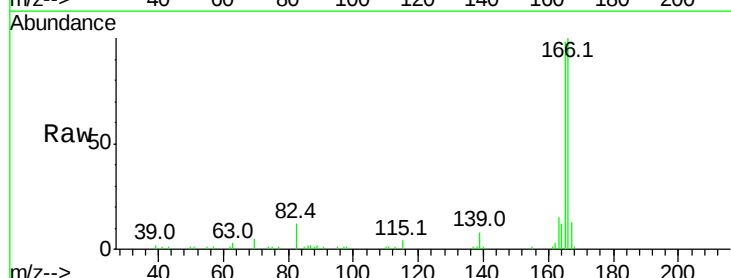
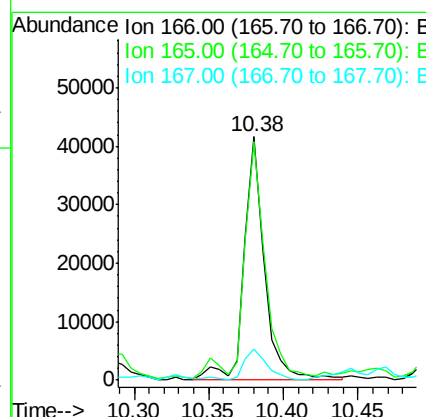
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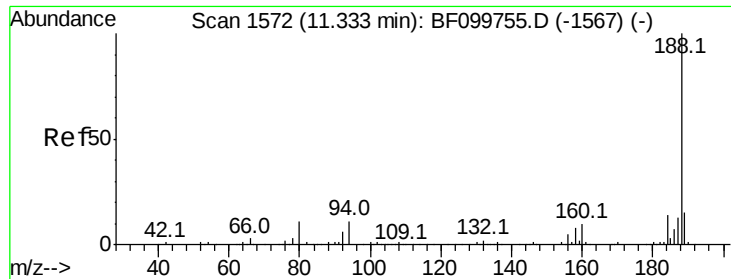
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#57
Fluorene
Concen: 3.000 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF099995.D
Acq: 31 Oct 2017 9:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.8	119.8
167	12.9	10.6	16.0





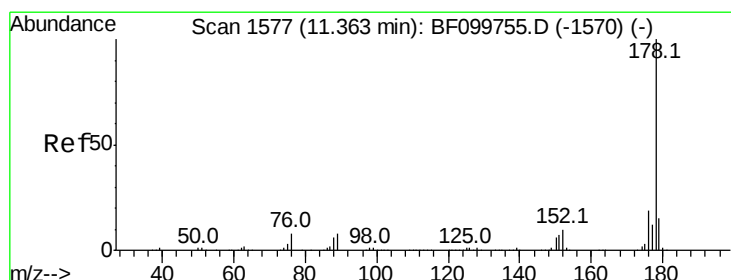
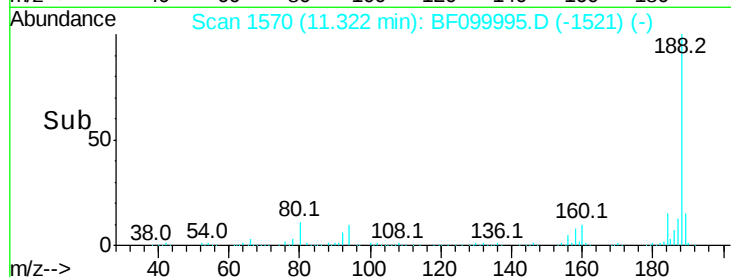
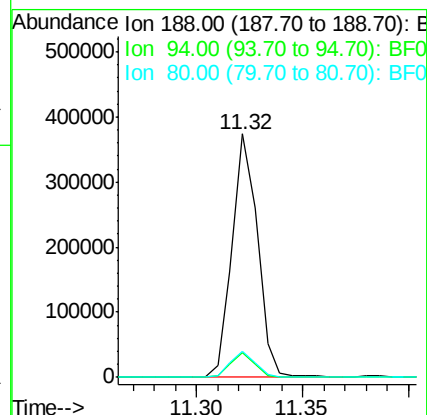
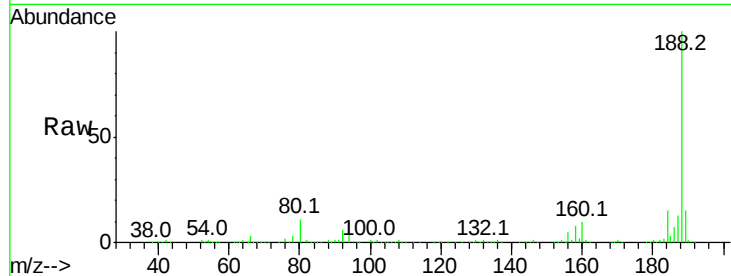
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF099995.D
Acq: 31 Oct 2017 9:36

Instrument :
BNA_F
ClientSampleId :
CL-01-102617-EDL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.4	8.5	12.7
80	10.9	9.2	13.8

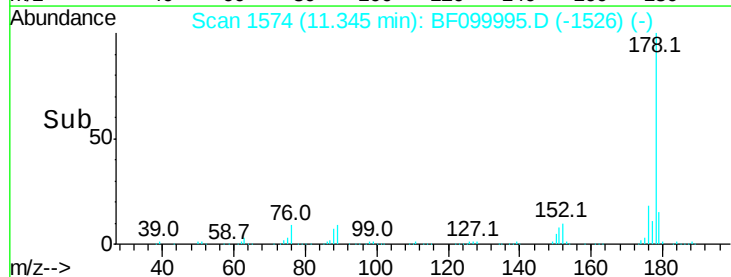
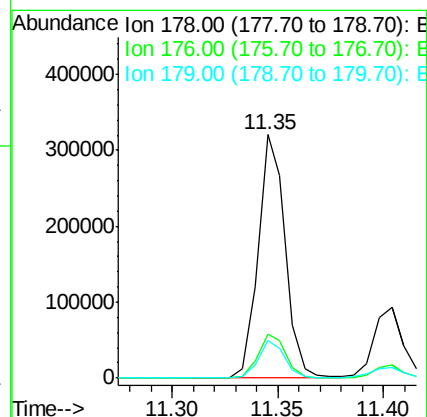
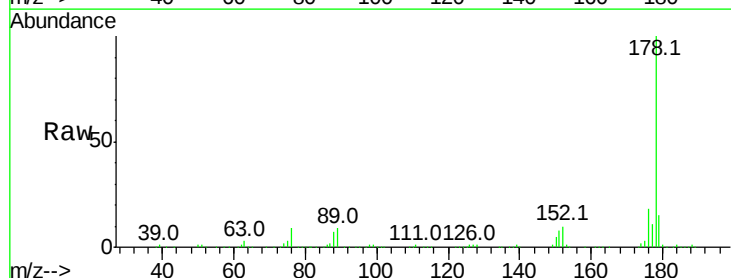
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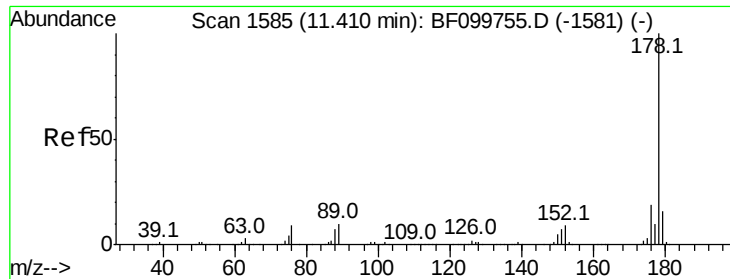
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#70
Phenanthrene
Concen: 16.286 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BF099995.D
Acq: 31 Oct 2017 9:36

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.4	13.0	19.6





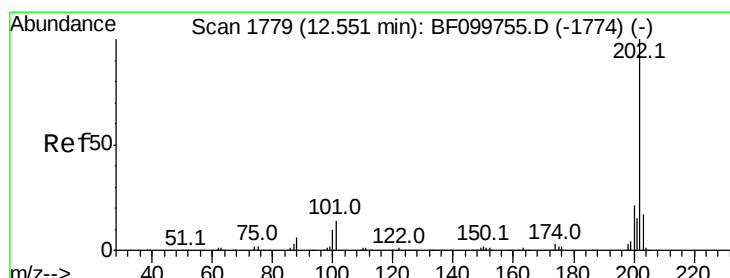
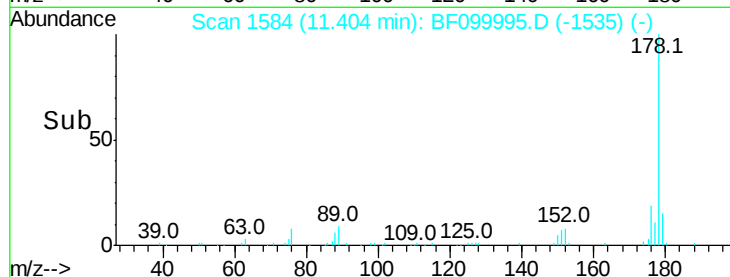
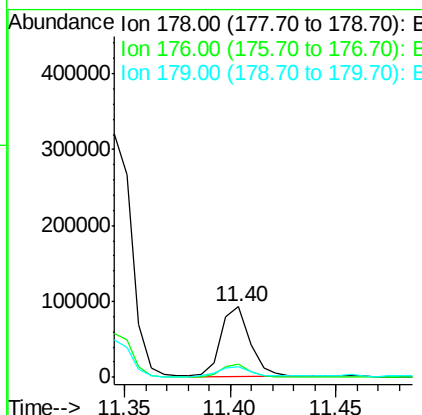
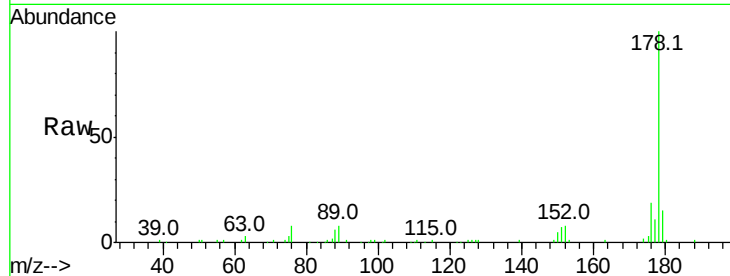
#71
 Anthracene
 Concen: 4.974 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF099995.D
 Acq: 31 Oct 2017 9:36

Instrument :
 BNA_F
 ClientSampled :
 CL-01-102617-EDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.2	12.6	19.0

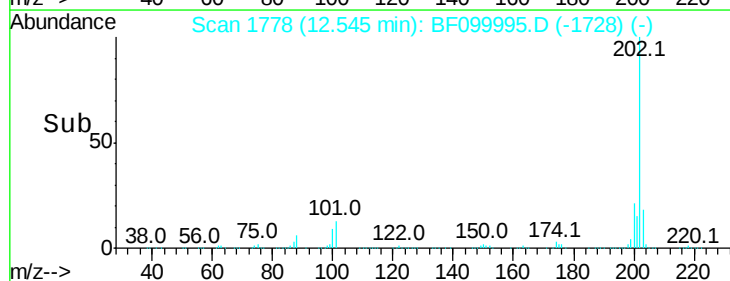
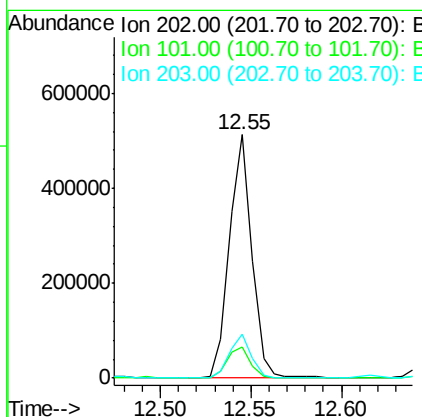
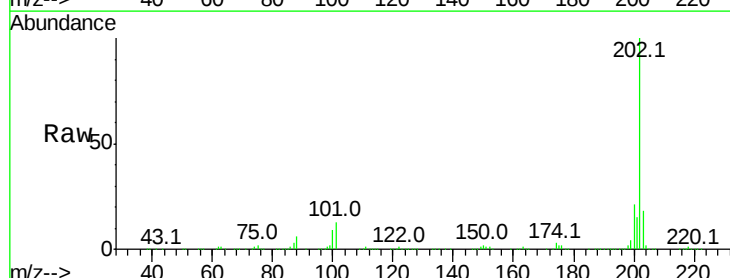
Manual Integrations
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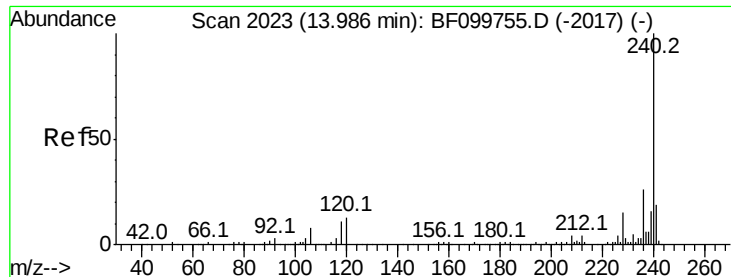
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#74
 Fluoranthene
 Concen: 24.394 ng
 RT: 12.55 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF099995.D
 Acq: 31 Oct 2017 9:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	17.9	0.0	38.1





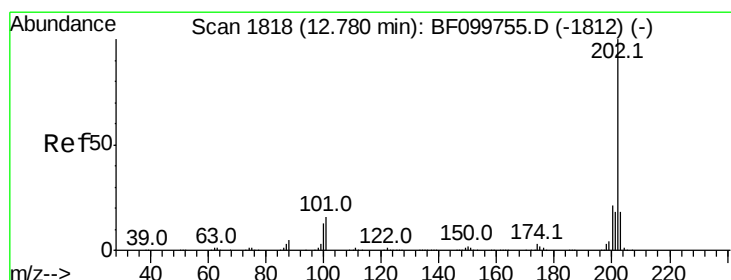
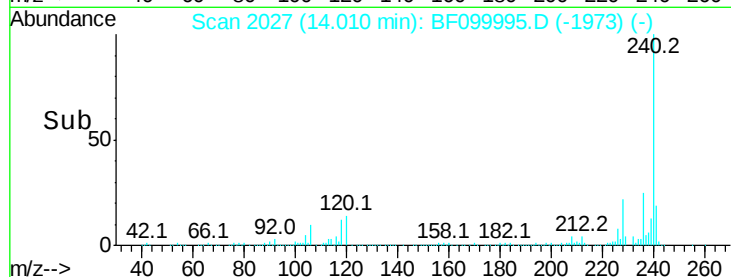
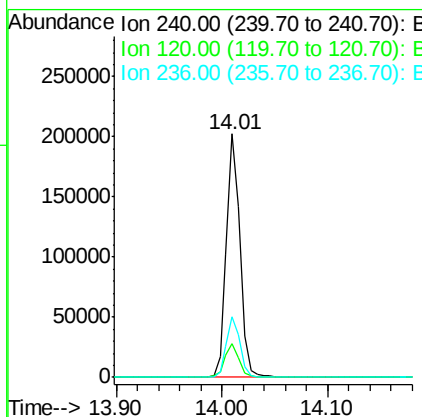
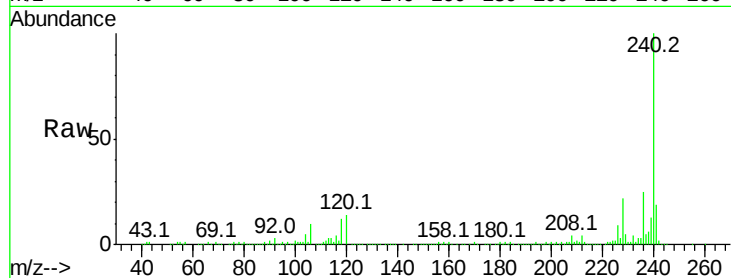
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BF099995.D
Acq: 31 Oct 2017 9:36

Instrument :
BNA_F
ClientSampleId :
CL-01-102617-EDL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	181914		
120	14.0	9.5	14.3	
236	25.1	20.7	31.1	

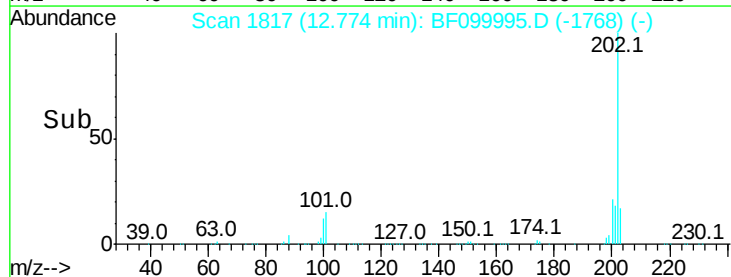
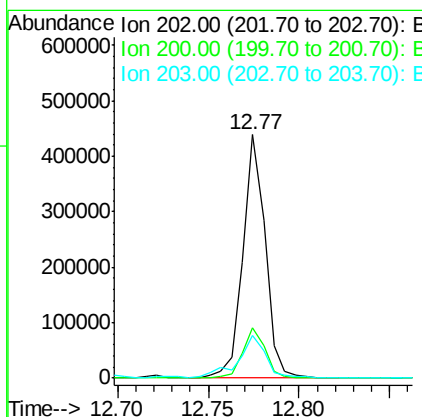
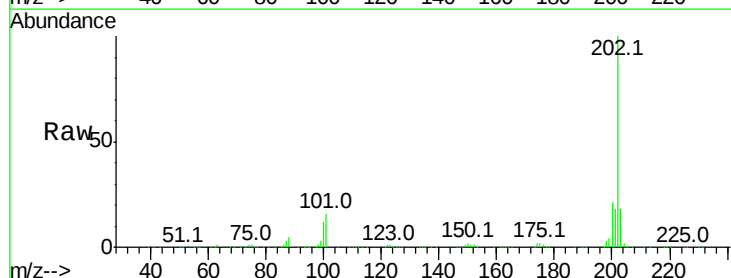
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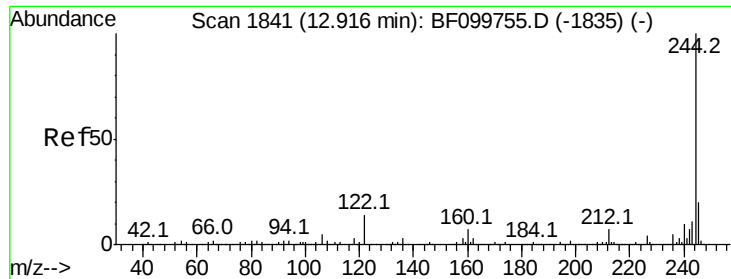
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#77
Pyrene
Concen: 27.092 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF099995.D
Acq: 31 Oct 2017 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	374759		
200	20.8	17.4	26.2	
203	17.7	14.3	21.5	





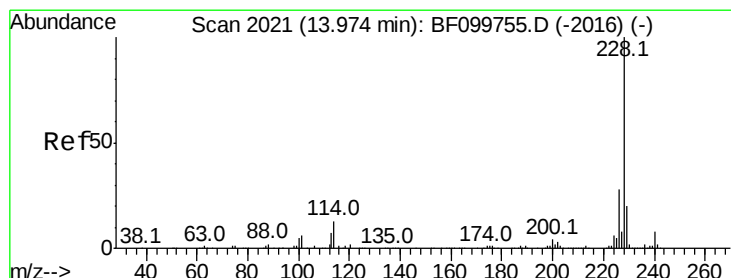
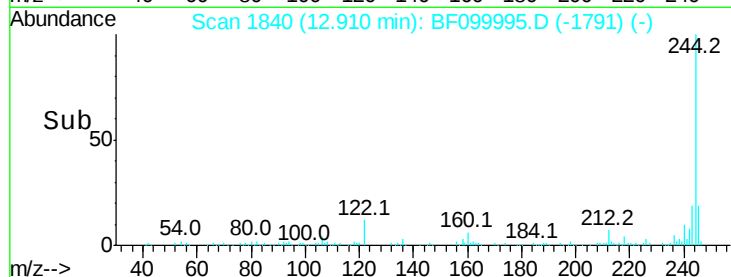
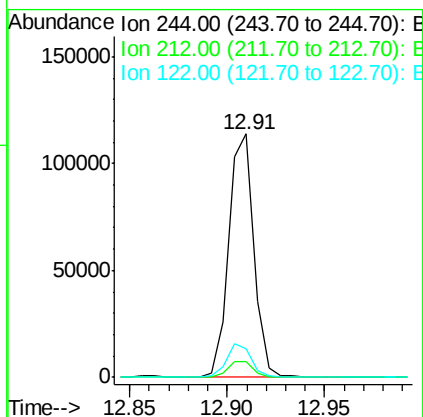
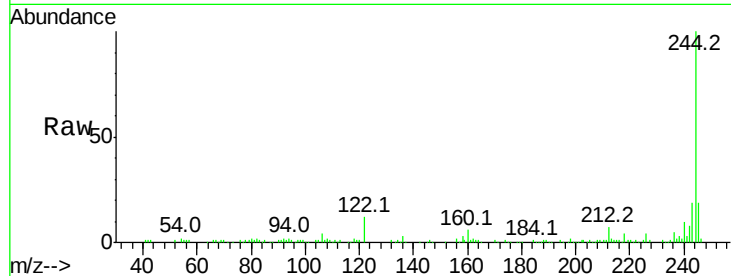
#78
 Terphenyl-d14
 Concen: 12.204 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF099995.D
 Acq: 31 Oct 2017 9:36

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102617-EDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	11.6	11.0	16.4

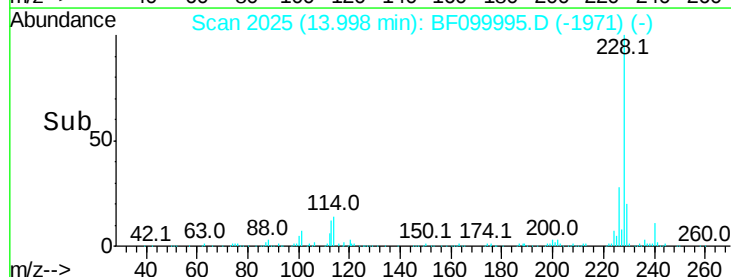
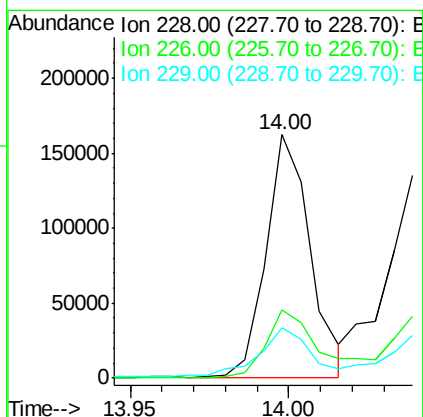
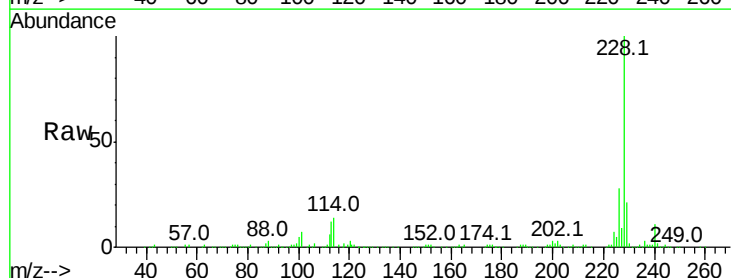
Manual Integrations
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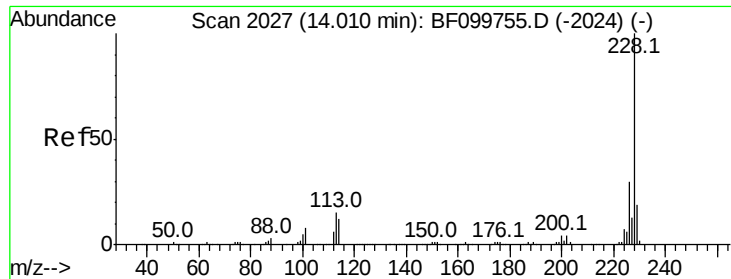
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#80
 Benzo(a)anthracene
 Concen: 13.648 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.02 min
 Lab File: BF099995.D
 Acq: 31 Oct 2017 9:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.7	15.8	23.6





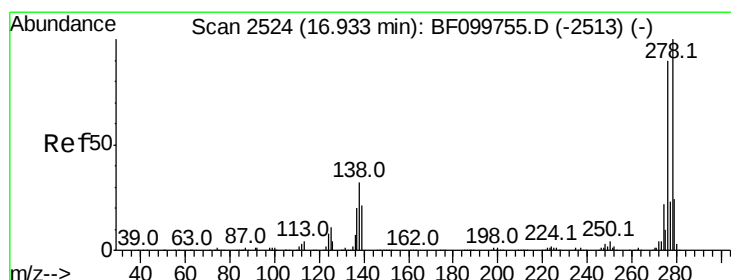
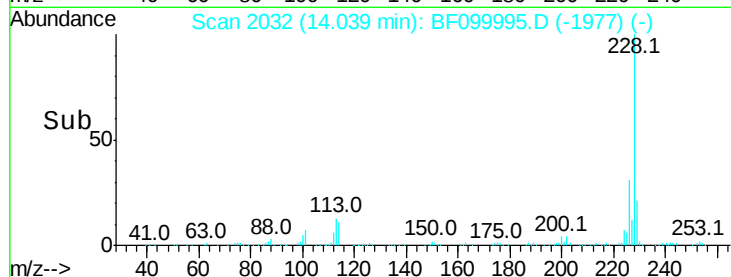
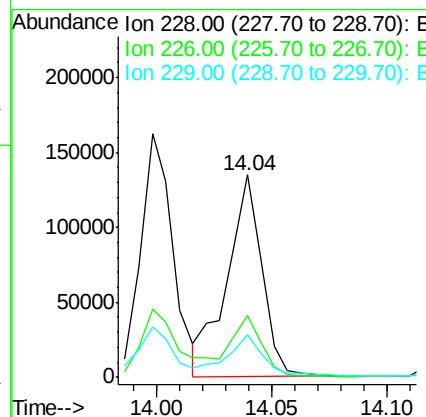
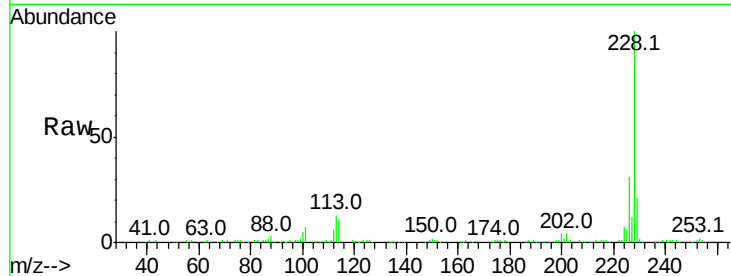
#82
Chrysene
Concen: 13.003 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.02 min
Lab File: BF099995.D
Acq: 31 Oct 2017 9:36

Instrument :
BNA_F
ClientSampleId :
CL-01-102617-EDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	21.3	16.2	24.4

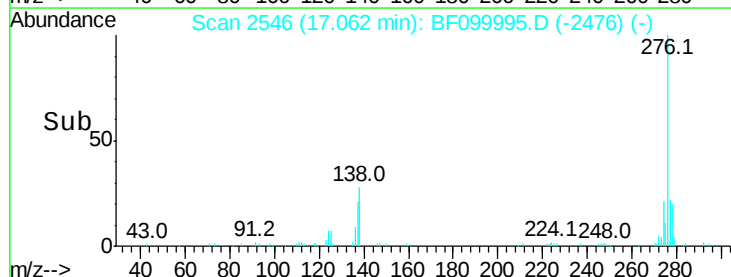
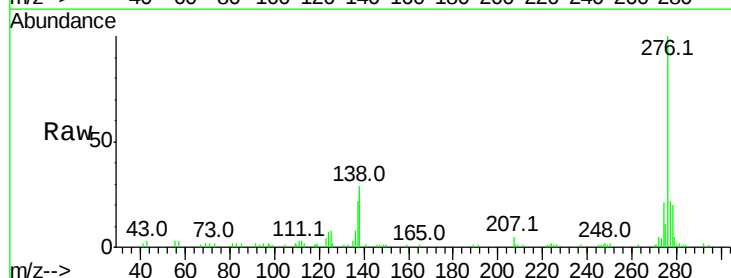
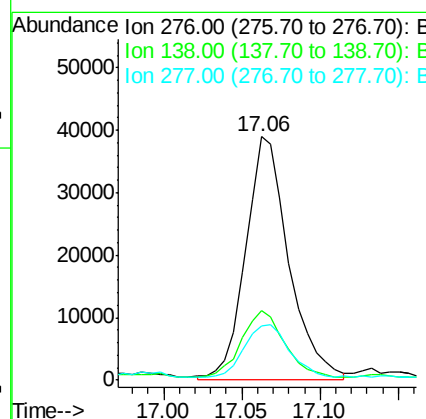
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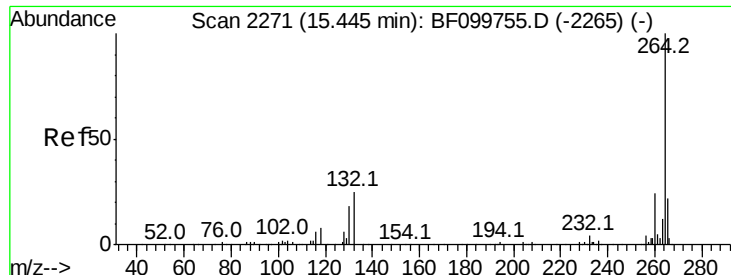
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.541 ng m
RT: 17.06 min Scan# 2546
Delta R.T. 0.11 min
Lab File: BF099995.D
Acq: 31 Oct 2017 9:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	3.2	25.0	37.6#
277	3.5	20.1	30.1#





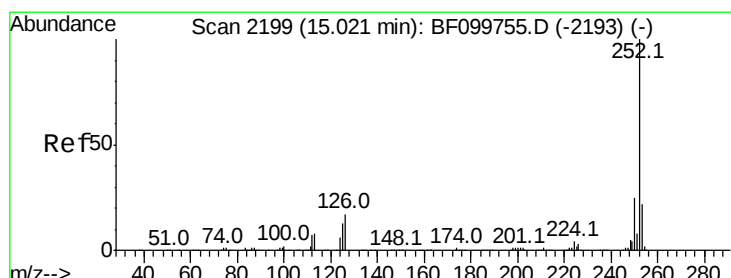
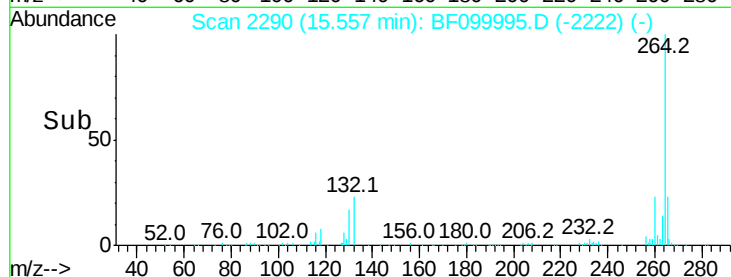
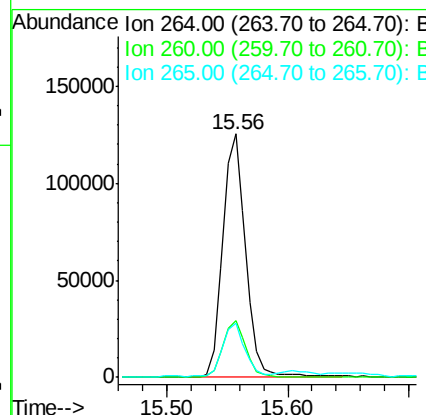
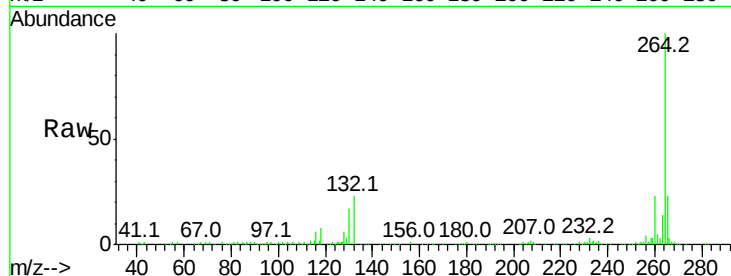
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.10 min
Lab File: BF099995.D
Acq: 31 Oct 2017 9:36

Instrument :
BNA_F
ClientSampleId :
CL-01-102617-EDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.5	17.5	26.3

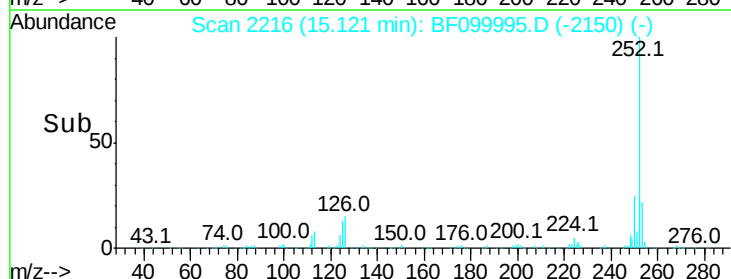
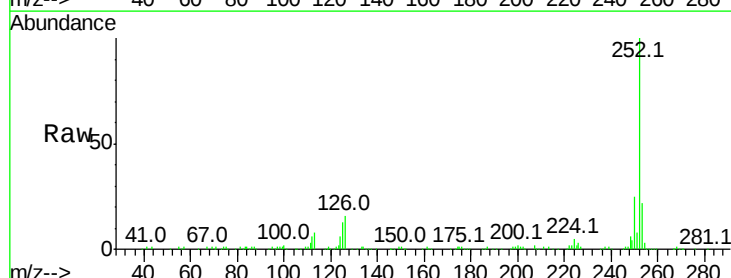
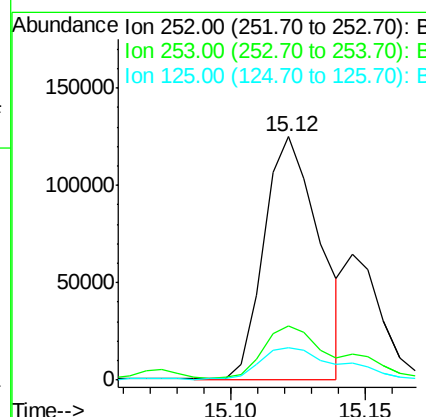
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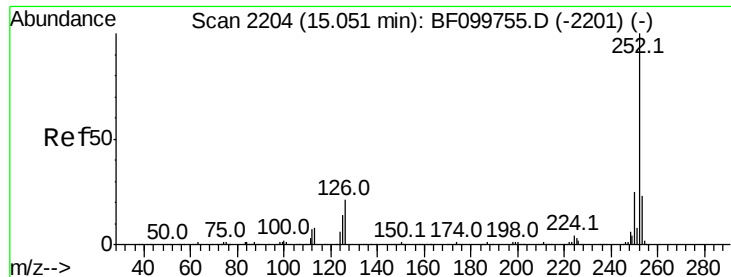
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#87
Benzo(b)fluoranthene
Concen: 17.432 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.09 min
Lab File: BF099995.D
Acq: 31 Oct 2017 9:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	13.5	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 6.356 ng/mL

RT: 15.14 min Scan# 2220

Delta R.T. 0.08 min

Lab File: BF099995.D

Acq: 31 Oct 2017 9:36

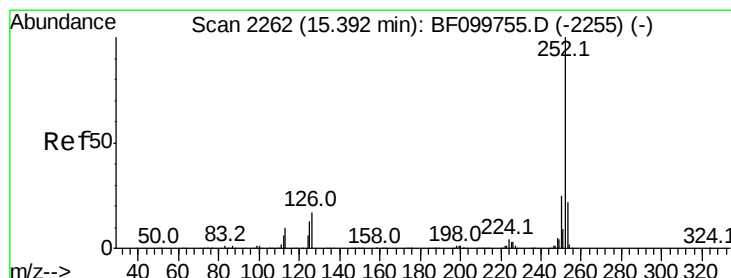
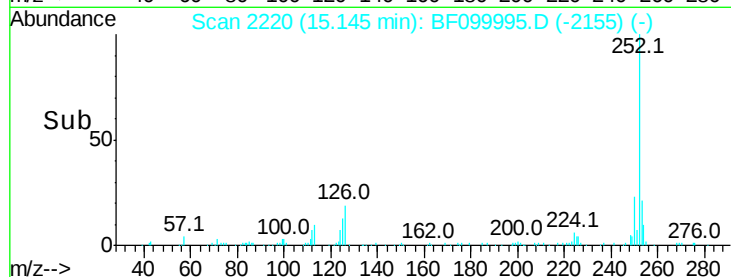
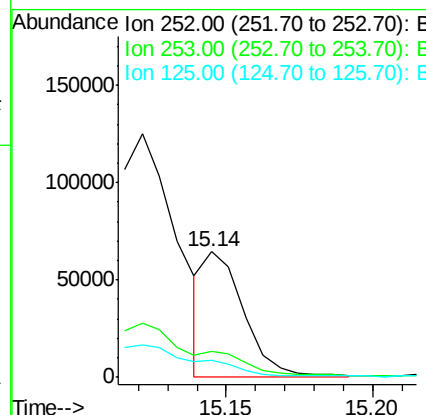
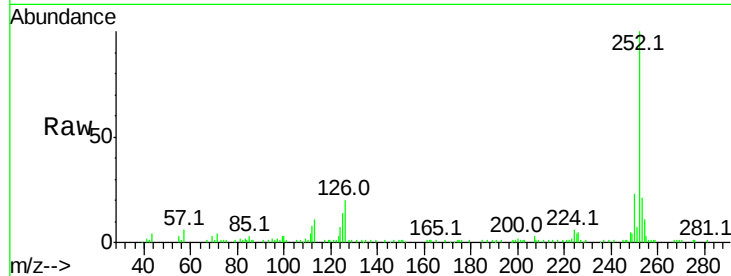
Instrument :
BNA_F

Client Sample ID :
CL-01-102617-EDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.9	26.9
125	13.5	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 13.942 ng/mL

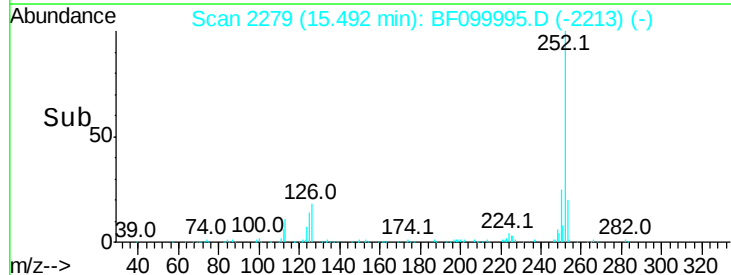
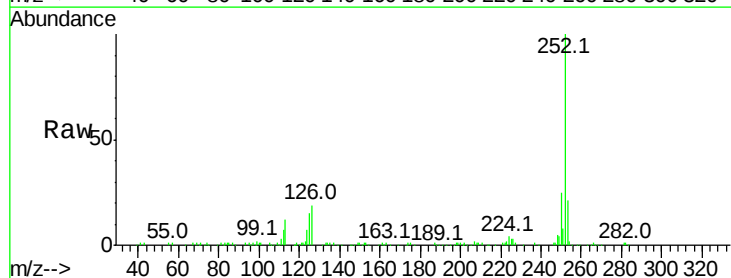
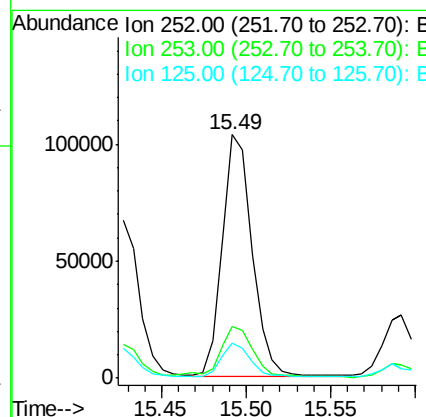
RT: 15.49 min Scan# 2279

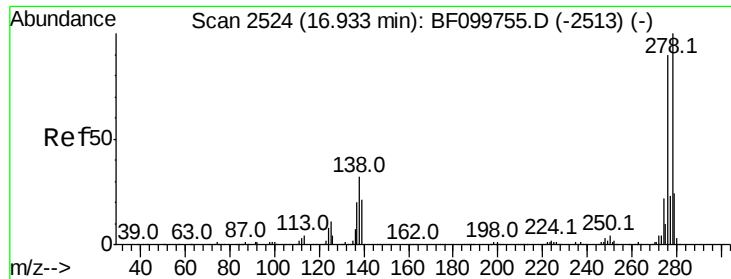
Delta R.T. 0.09 min

Lab File: BF099995.D

Acq: 31 Oct 2017 9:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.1	25.7
125	14.6	9.8	14.6





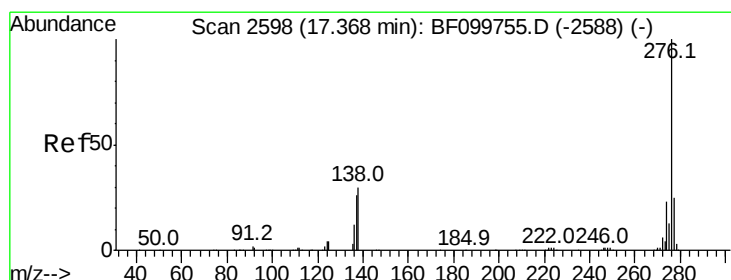
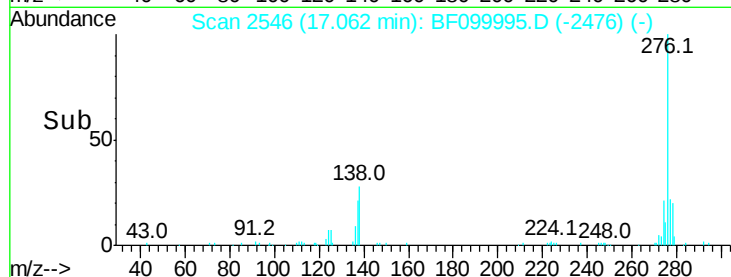
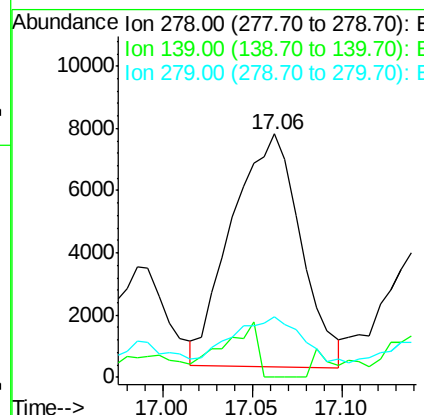
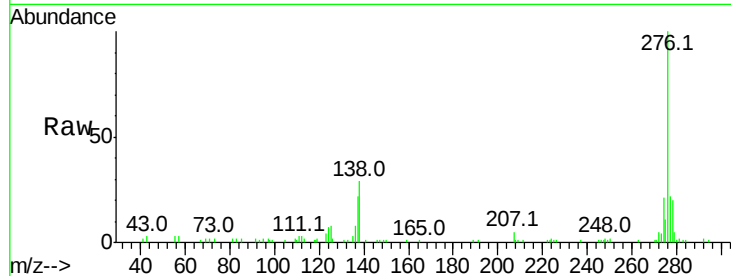
#90
Dibenzo(a,h)anthracene
Concen: 2.439 ng m
RT: 17.06 min Scan# 2546
Delta R.T. 0.11 min
Lab File: BF099995.D
Acq: 31 Oct 2017 9:36

Instrument :
BNA_F
ClientSampleId :
CL-01-102617-EDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	24.7	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 8.089 ng
RT: 17.52 min Scan# 2624
Delta R.T. 0.12 min
Lab File: BF099995.D
Acq: 31 Oct 2017 9:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	30.9	21.8	32.8

