

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091417\
 Data File : BF098520.D
 Acq On : 14 Sep 2017 11:02
 Operator : SJ/JU
 Sample : I5208-04DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091117-BDL

Manual Integrations
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 9/15/2017 5:43:27 PM

Quant Time: Sep 21 16:41:52 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 21 16:40:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	151329	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	621527	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	278415	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	509624	20.00	ng	0.00
75) Chrysene-d12	13.79	240	304712	20.00	ng	-0.01
86) Perylene-d12	15.19	264	323681	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	119645	11.69	ng	0.00
7) Phenol-d6	6.30	99	148969	11.46	ng	0.00
23) Nitrobenzene-d5	7.21	82	85028	7.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	26424	14.22	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	160900	9.80	ng	-0.01
78) Terphenyl-d14	12.74	244	125597	8.90	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.65	142	55696	2.993	ng	98
48) Acenaphthylene	9.54	152	80154	3.029	ng	# 96
57) Fluorene	10.23	166	71245	3.884	ng	98
70) Phenanthrene	11.19	178	558316	20.666	ng	98
71) Anthracene	11.24	178	145245	5.236	ng	97
74) Fluoranthene	12.37	202	686002	25.365	ng	98
77) Pyrene	12.60	202	662333	27.554	ng	99
80) Benzo(a)anthracene	13.79	228	267484	14.973	ng	96
82) Chrysene	13.82	228	256342	14.195	ng	98
85) Indeno(1,2,3-cd)pyrene	16.53	276	138548	10.936	ng	93
87) Benzo(b)fluoranthene	14.80	252	288304m	14.166	ng	
88) Benzo(k)fluoranthene	14.82	252	106979m	5.630	ng	
89) Benzo(a)pyrene	15.13	252	227158	12.528	ng	99
91) Benzo(g,h,i)perylene	16.93	276	139424	10.510	ng	96

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

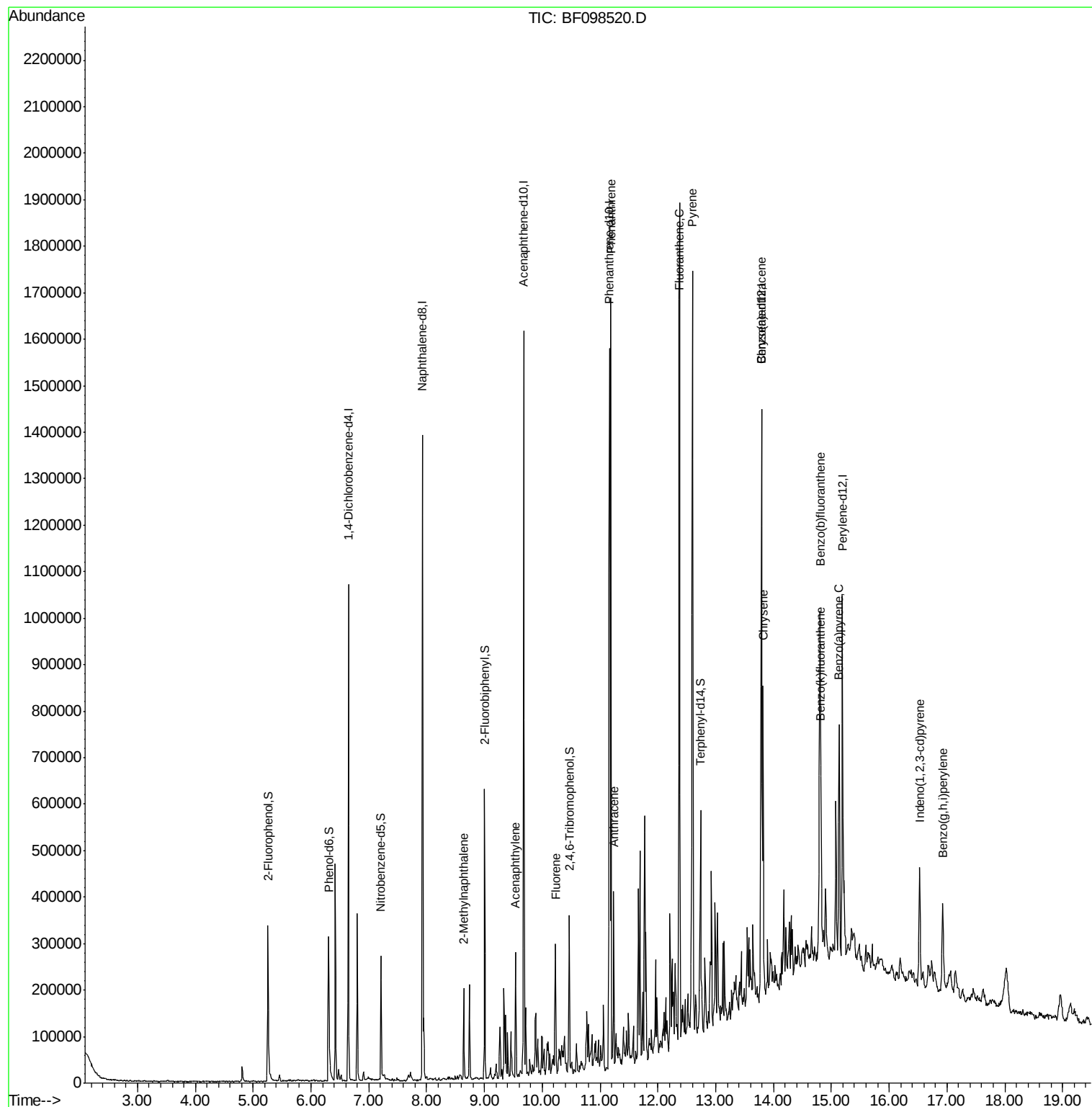
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091417\
Data File : BF098520.D
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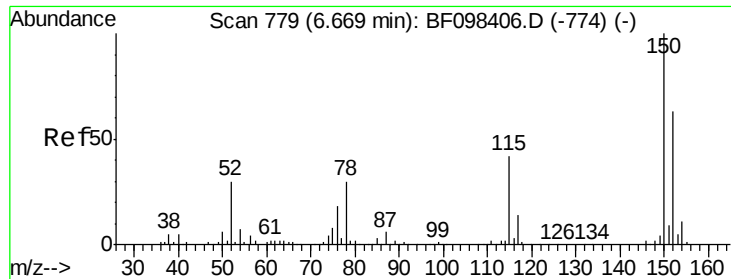
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
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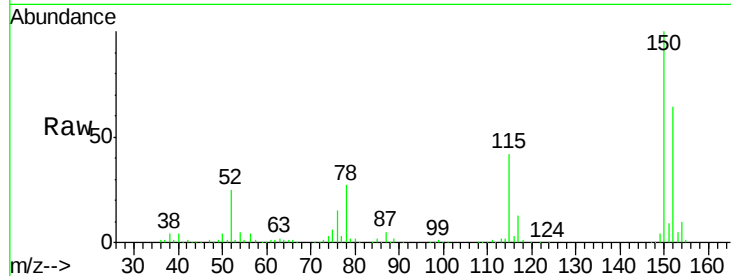
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.65 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF098520.D
 Acq: 14 Sep 2017 11:02

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091117-BDL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.2	189.2
115	65.9	52.2	78.2

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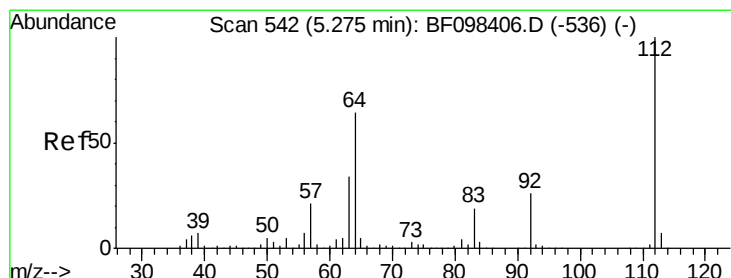
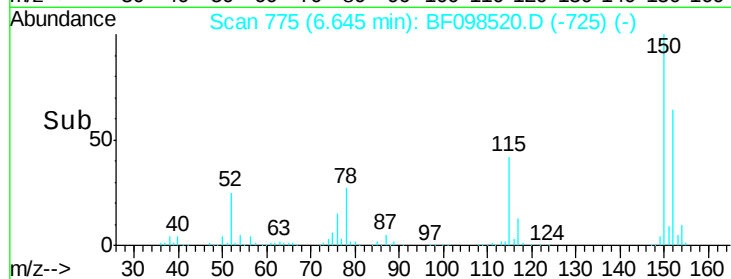
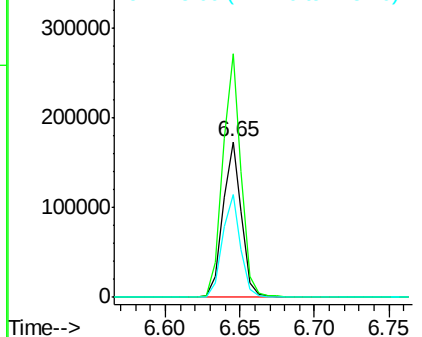


Abundance

Ion 152.00 (151.70 to 152.70): E

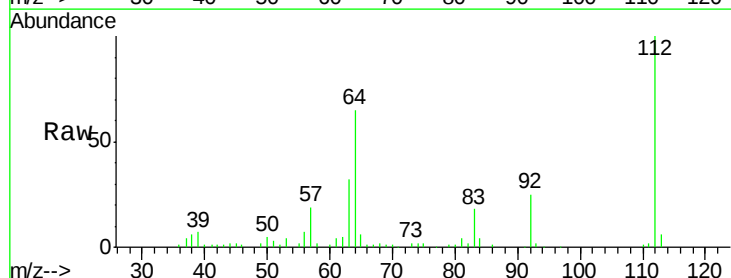
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 11.690 ng
 RT: 5.25 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: BF098520.D
 Acq: 14 Sep 2017 11:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	46.0	69.0
63	31.5	23.4	35.0

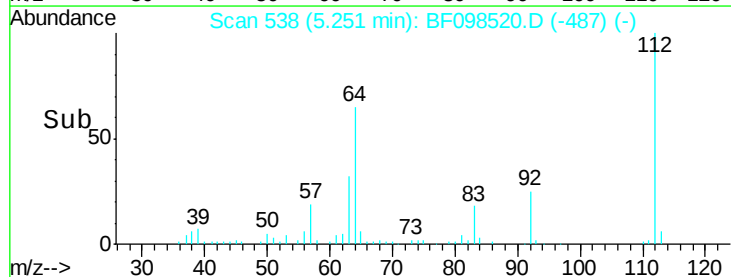
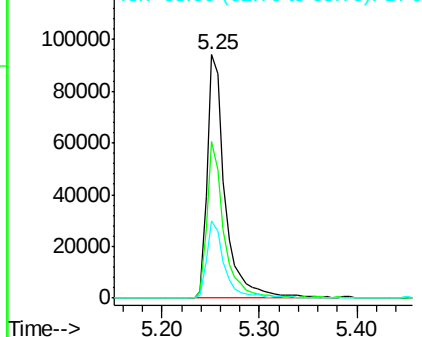


Abundance

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: 11.463 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.00 min

Lab File: BF098520.D

Acq: 14 Sep 2017 11:02

Instrument :

BNA_F

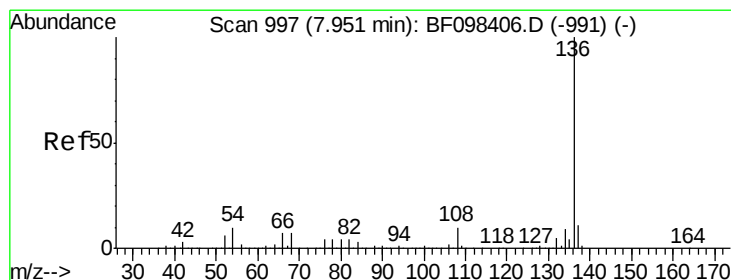
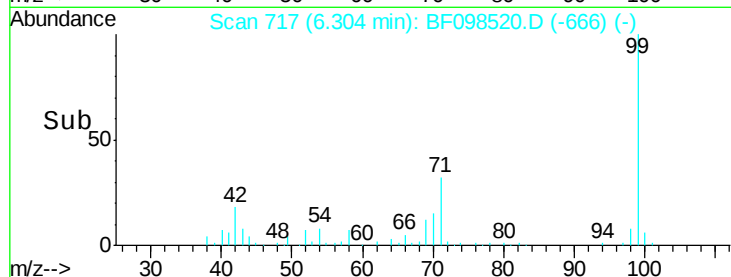
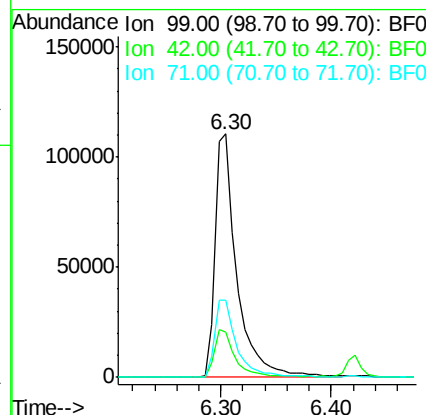
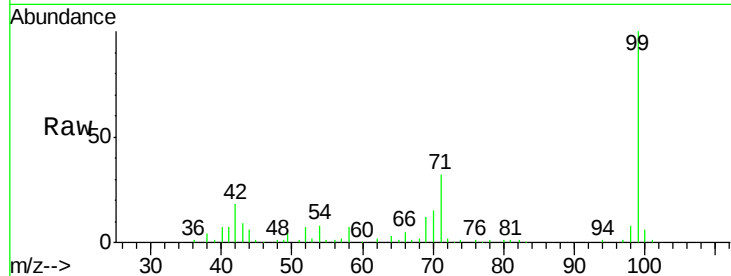
ClientSampleId :

CL-02-091117-BDL

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	148969		
42	18.4	13.5	20.3	
71	31.8	24.5	36.7	

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#21

Naphthalene-d8

Concen: 20.000 ng

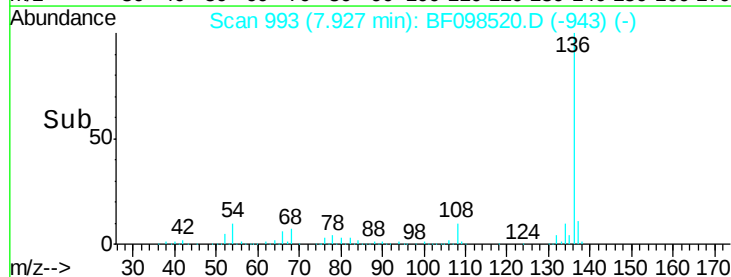
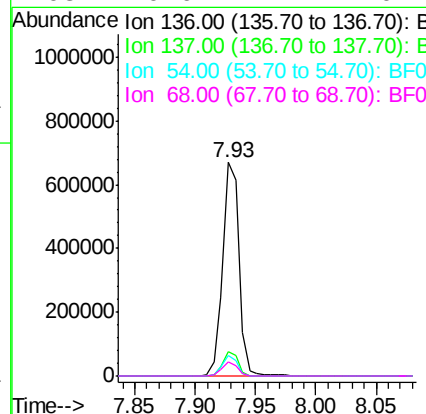
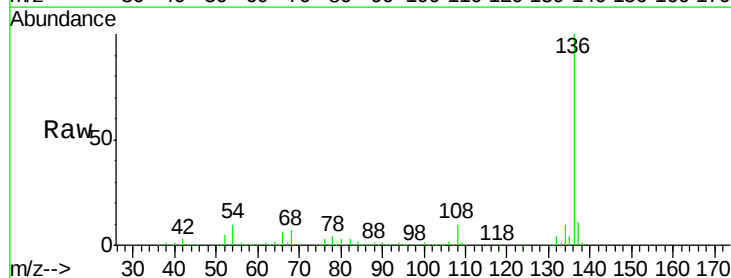
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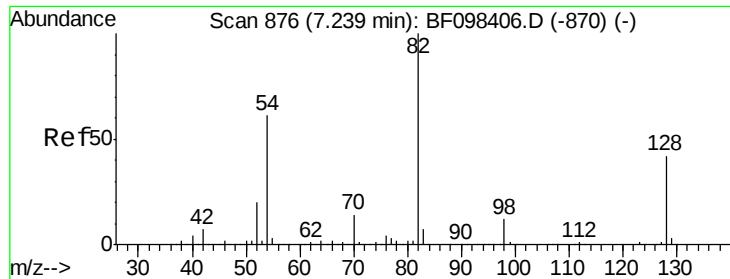
Delta R.T. -0.01 min

Lab File: BF098520.D

Acq: 14 Sep 2017 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	621527		
137	11.4	8.5	12.7	
54	9.8	4.9	7.3#	
68	6.6	4.1	6.1#	





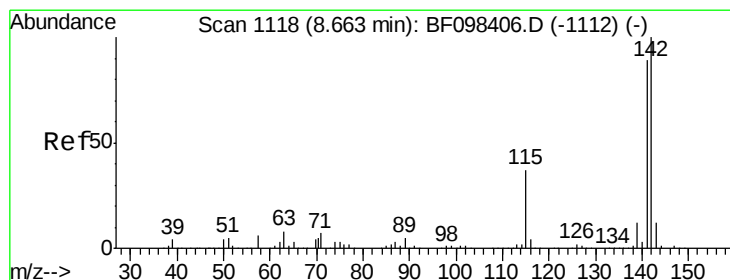
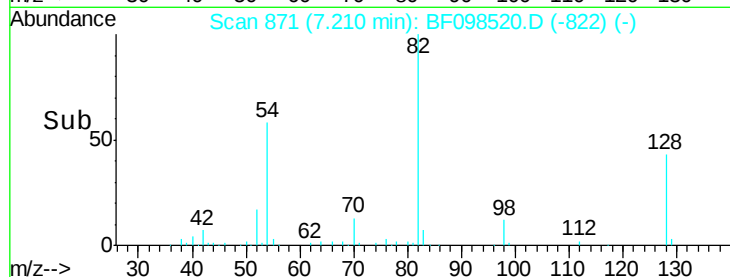
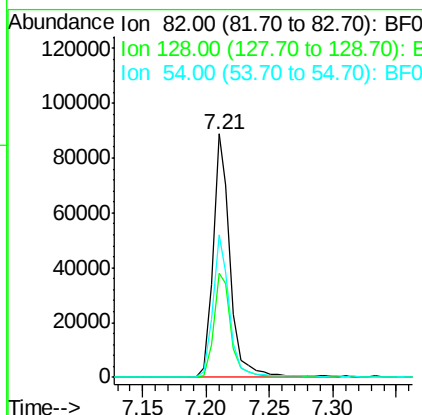
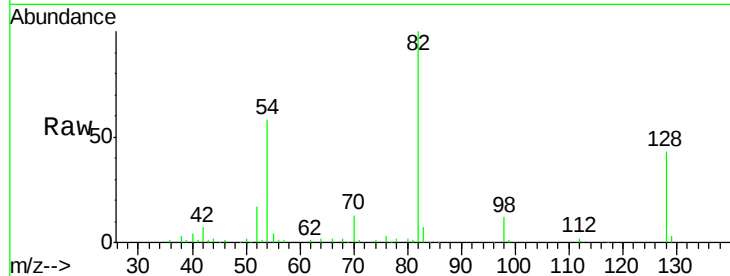
#23
Nitrobenzene-d5
Concen: 7.627 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF098520.D
Acq: 14 Sep 2017 11:02

Instrument :
BNA_F
ClientSampleId :
CL-02-091117-BDL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	85028		
128	42.5	34.0	51.0	
54	58.4	42.2	63.2	

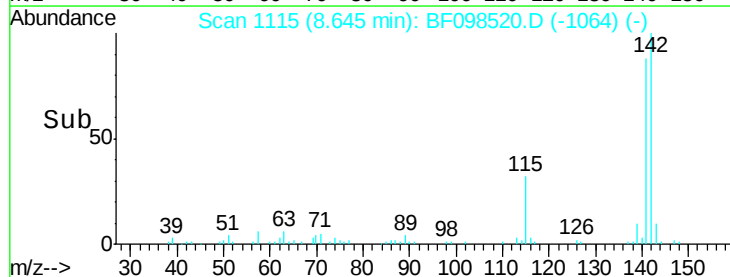
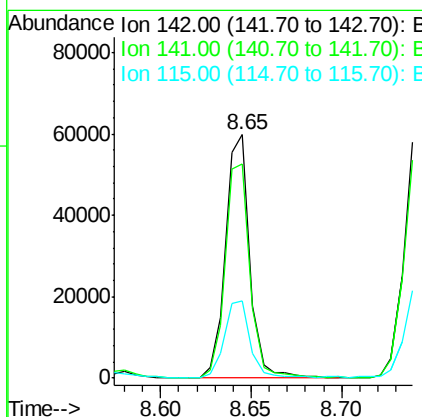
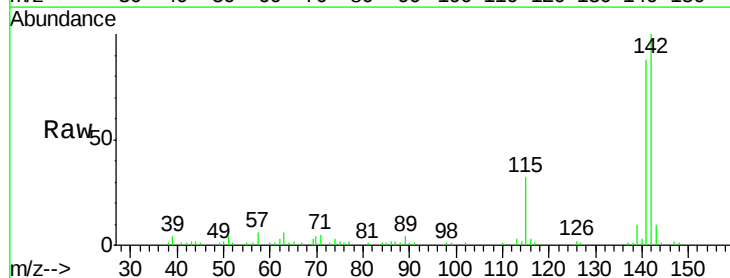
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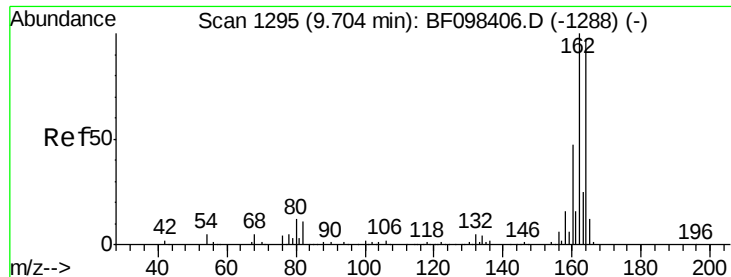
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#37
2-Methylnaphthalene
Concen: 2.993 ng
RT: 8.65 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BF098520.D
Acq: 14 Sep 2017 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	55696		
141	87.9	71.3	106.9	
115	31.8	27.1	40.7	





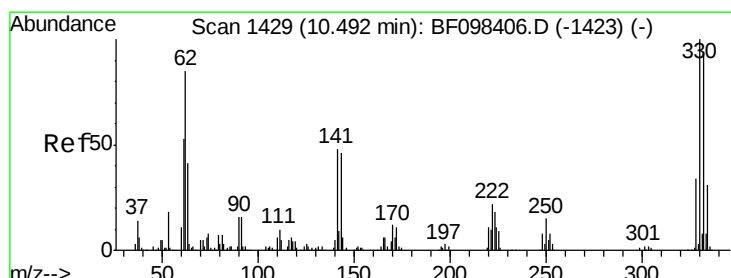
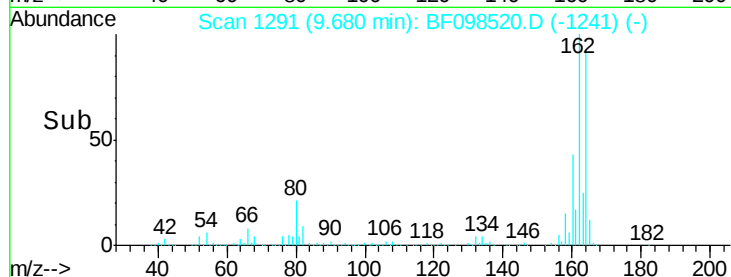
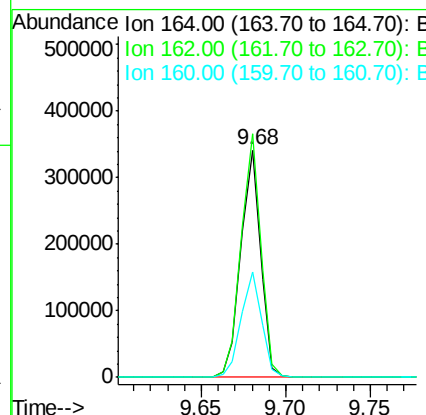
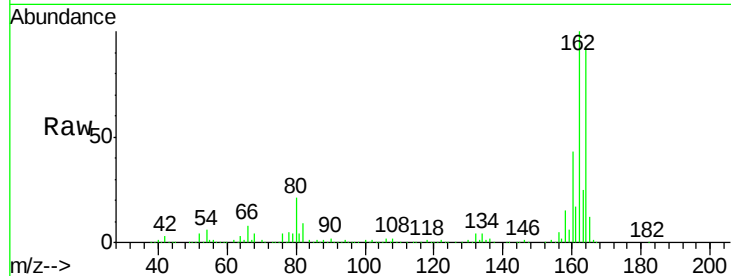
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: BF098520.D
 Acq: 14 Sep 2017 11:02

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091117-BDL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	278415		
162	107.3	82.6	123.8	
160	46.2	36.2	54.2	

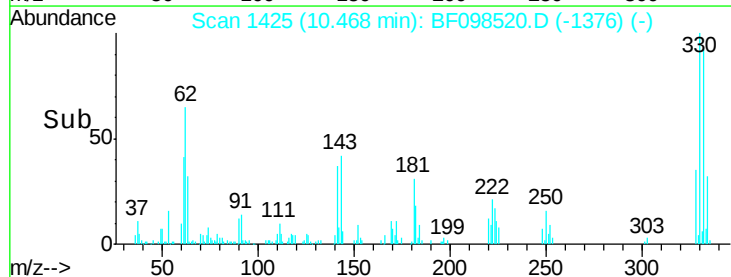
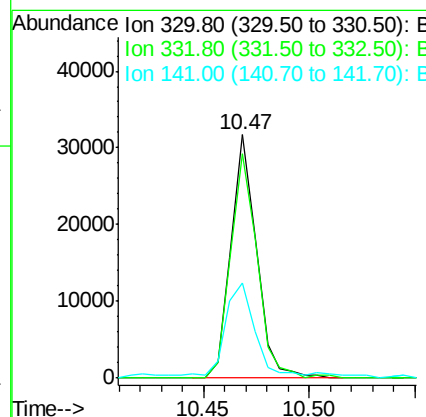
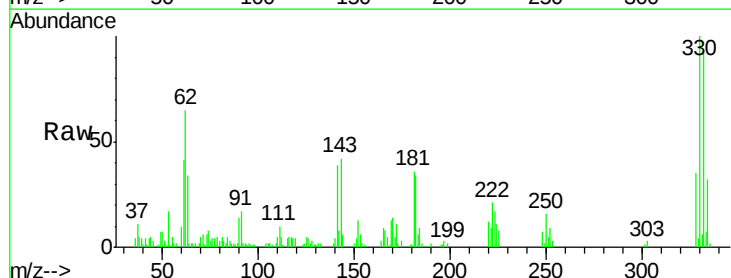
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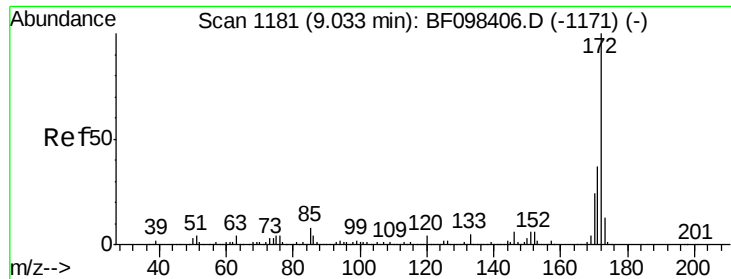
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#41
 2,4,6-Tribromophenol
 Concen: 14.220 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF098520.D
 Acq: 14 Sep 2017 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	26424		
332	95.9	76.6	115.0	
141	49.6	31.4	47.2	





#44

2-Fluorobiphenyl

Concen: 9.795 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF098520.D

Acq: 14 Sep 2017 11:02

Instrument :

BNA_F

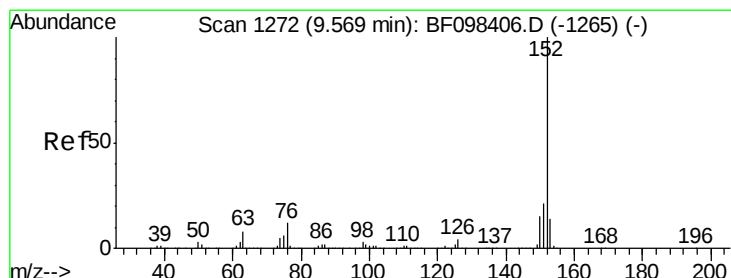
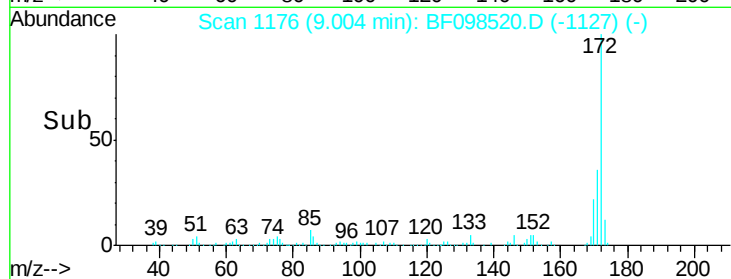
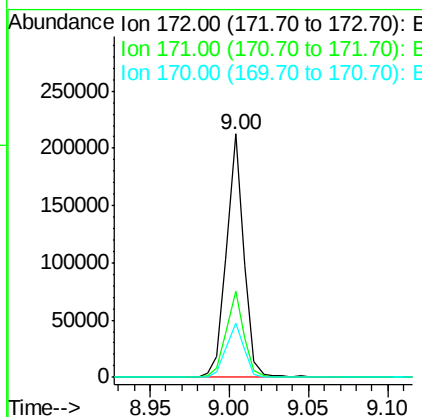
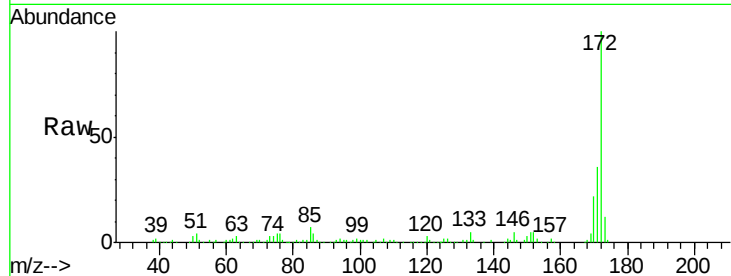
ClientSampleId :

CL-02-091117-BDL

Tgt Ion:	172	Resp:	160900
Ion Ratio		Lower	Upper
172	100		
171	35.6	29.6	44.4
170	22.2	19.8	29.8

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#48

Acenaphthylene

Concen: 3.029 ng

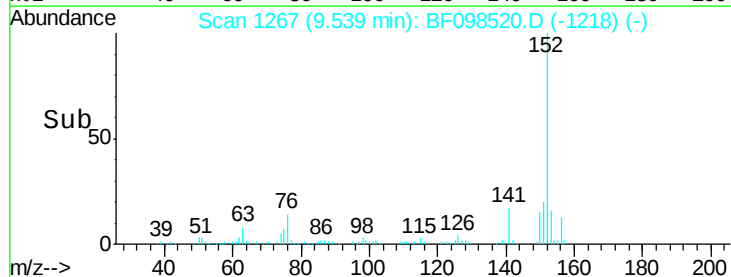
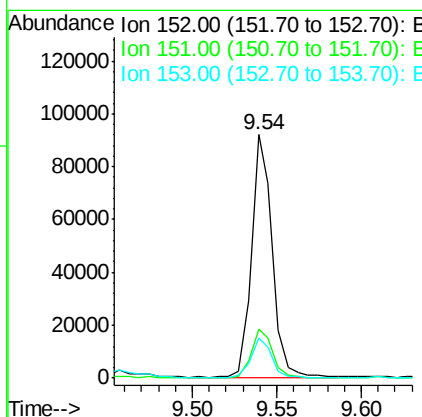
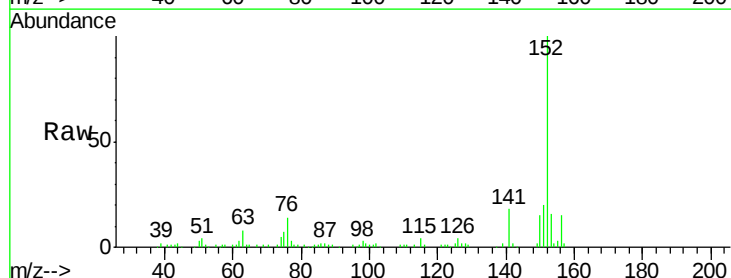
RT: 9.54 min Scan# 1267

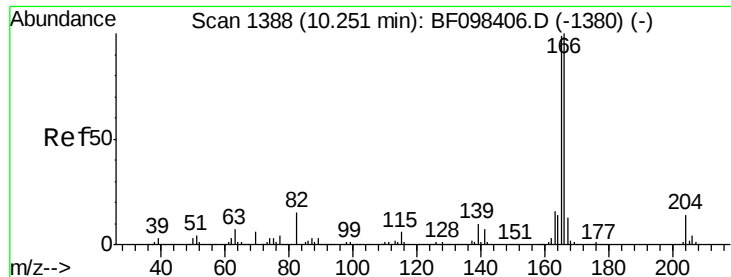
Delta R.T. -0.01 min

Lab File: BF098520.D

Acq: 14 Sep 2017 11:02

Tgt Ion:	152	Resp:	80154
Ion Ratio		Lower	Upper
152	100		
151	20.0	16.8	25.2
153	16.3	10.8	16.2#





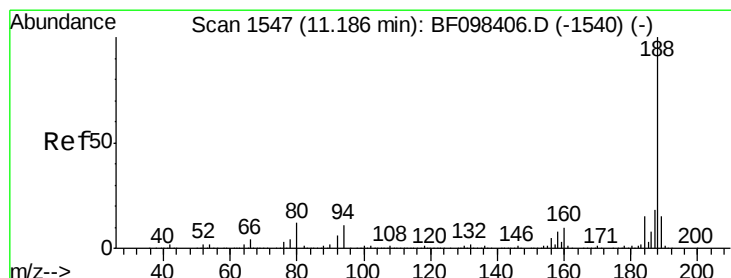
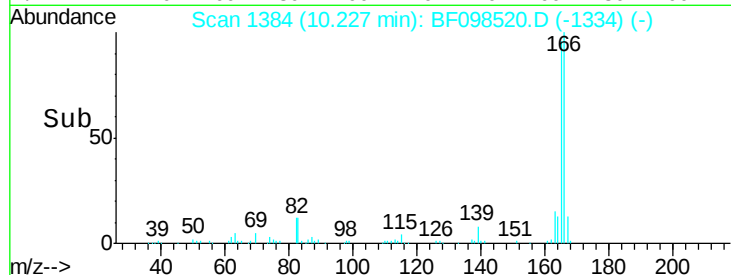
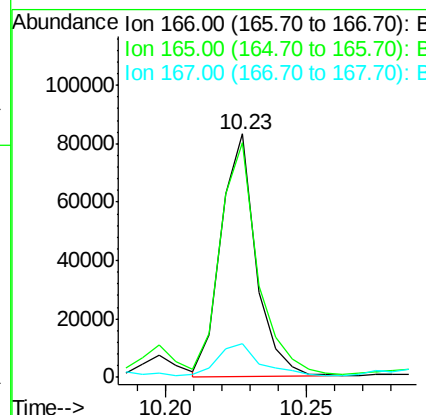
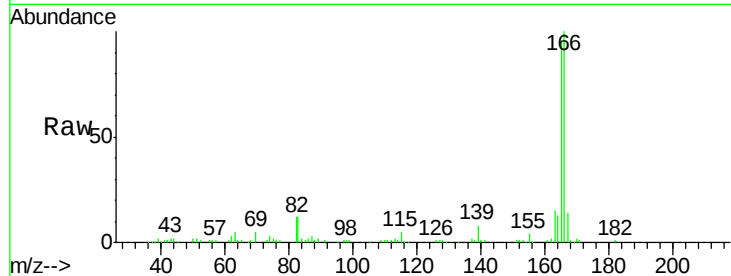
#57
Fluorene
 Concen: 3.884 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BF098520.D
 Acq: 14 Sep 2017 11:02

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091117-BDL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.4	78.8	118.2
167	13.7	10.6	16.0

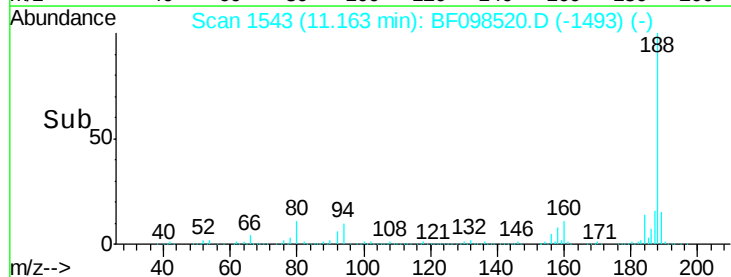
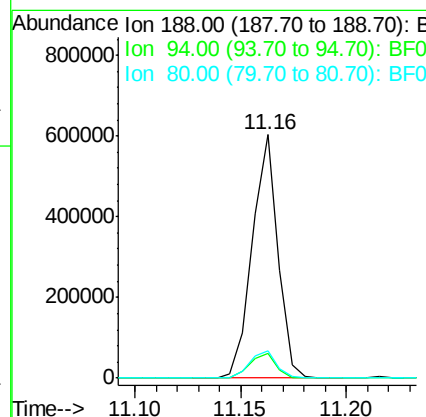
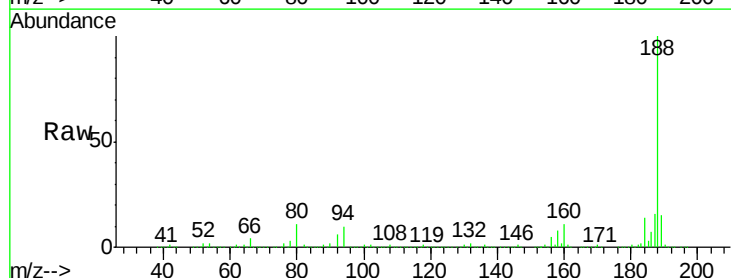
Manual Integrations
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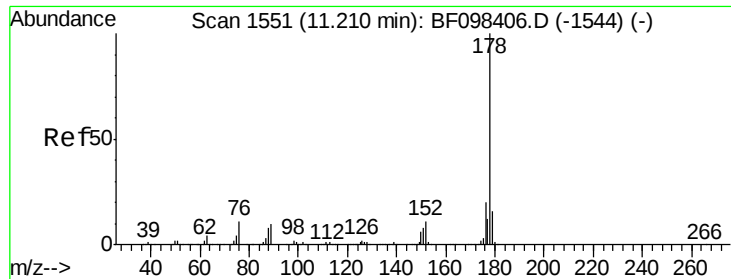
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.01 min
 Lab File: BF098520.D
 Acq: 14 Sep 2017 11:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	11.3	10.2	15.2





#70

Phenanthrene

Concen: 20.666 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BF098520.D

Acq: 14 Sep 2017 11:02

Instrument :

BNA_F

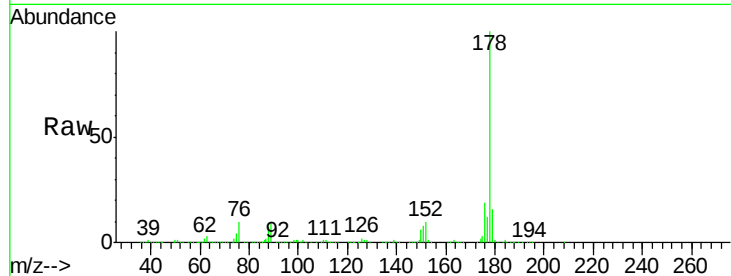
ClientSampleId :

CL-02-091117-BDL

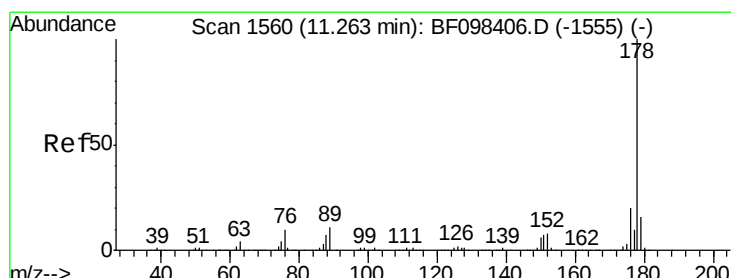
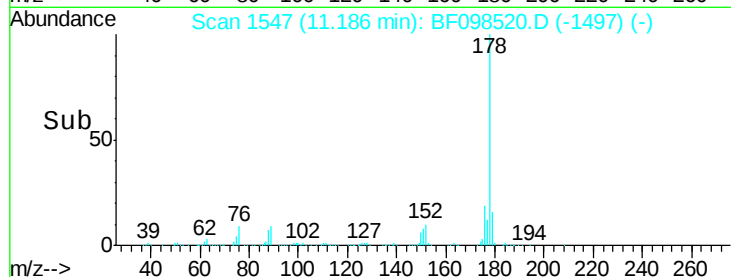
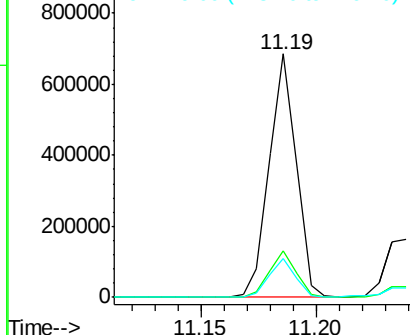
Tgt Ion:	178	Resp:	558316
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.2	24.4
179	16.1	12.6	19.0

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



#71

Anthracene

Concen: 5.236 ng

RT: 11.24 min Scan# 1556

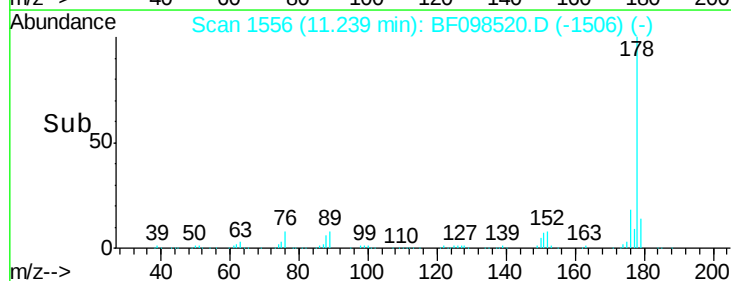
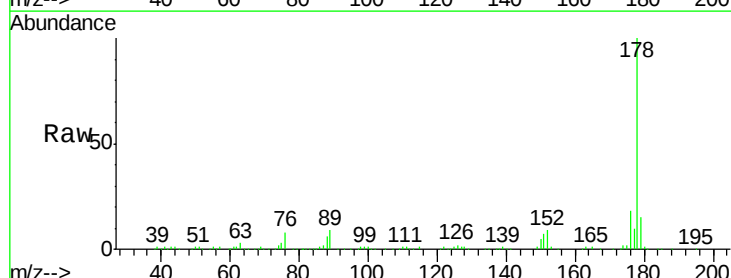
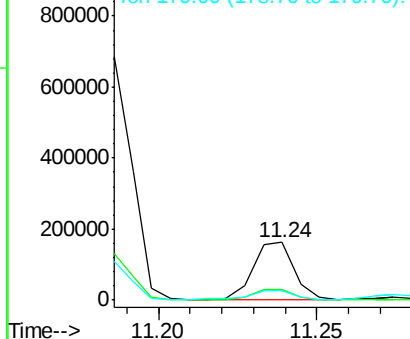
Delta R.T. -0.01 min

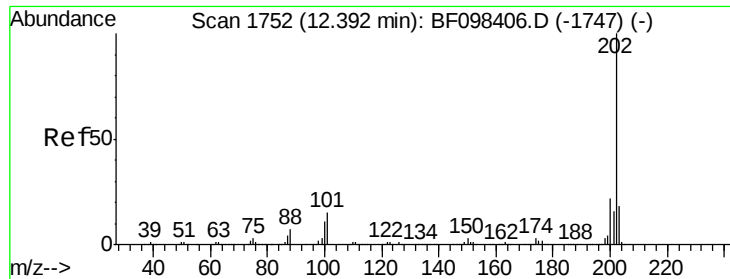
Lab File: BF098520.D

Acq: 14 Sep 2017 11:02

Tgt Ion:	178	Resp:	145245
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.8	23.8
179	15.2	12.7	19.1

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: 25.365 ng

RT: 12.37 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BF098520.D

Acq: 14 Sep 2017 11:02

Instrument :

BNA_F

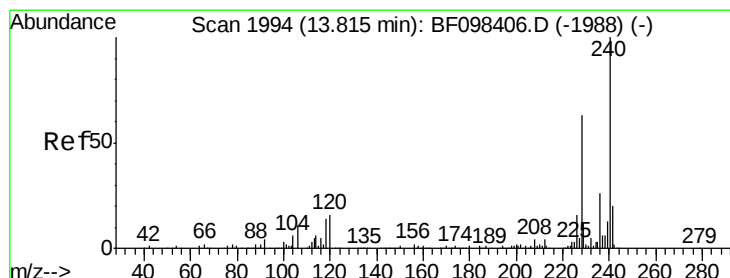
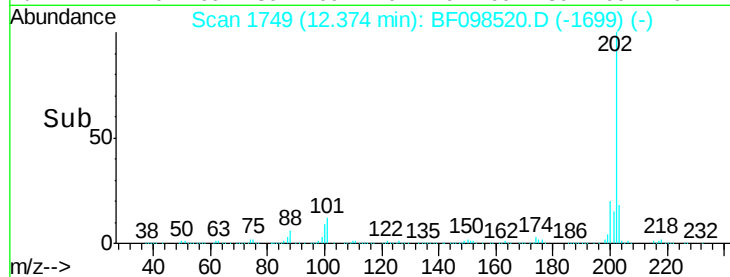
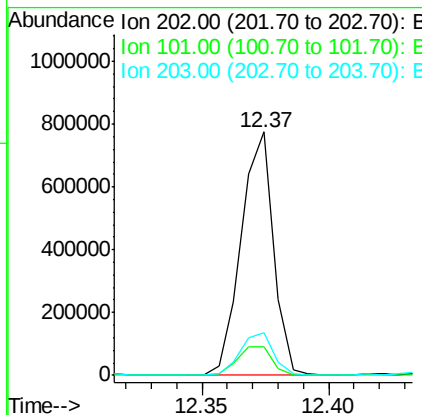
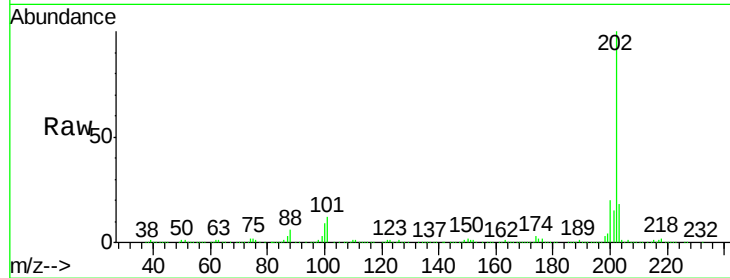
ClientSampleId :

CL-02-091117-BDL

Tgt Ion:	202	Resp:	686002
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	33.2
203	17.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

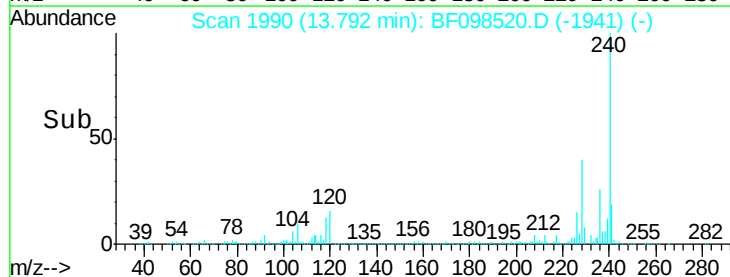
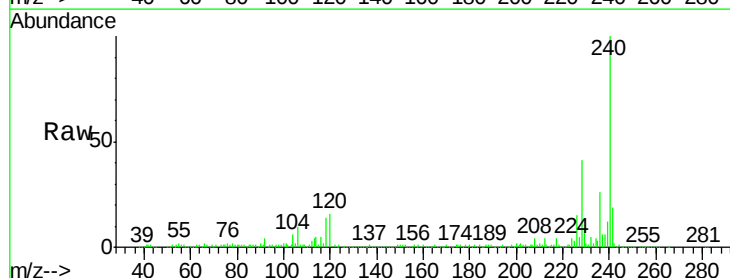
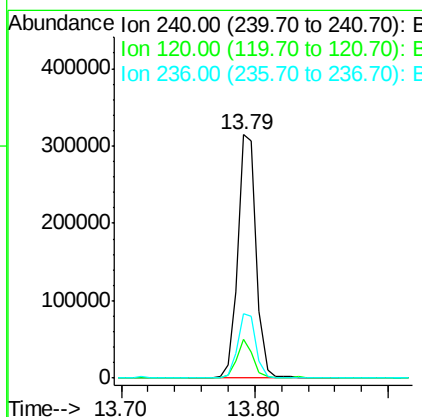
RT: 13.79 min Scan# 1990

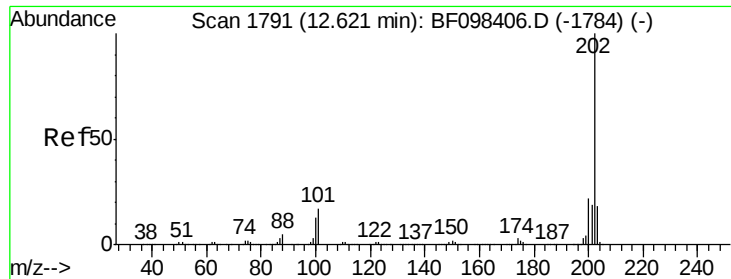
Delta R.T. -0.01 min

Lab File: BF098520.D

Acq: 14 Sep 2017 11:02

Tgt Ion:	240	Resp:	304712
Ion Ratio	Lower	Upper	
240	100		
120	15.8	5.8	8.8#
236	26.3	20.5	30.7





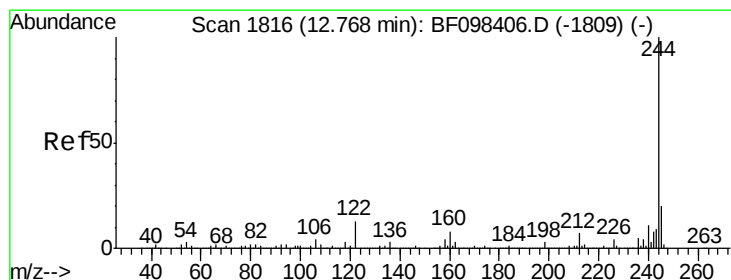
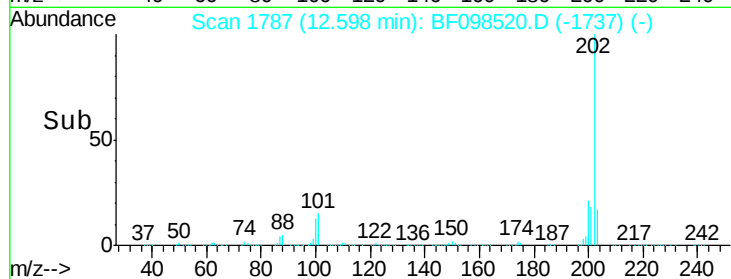
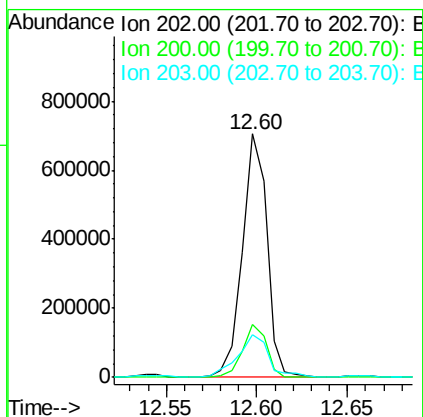
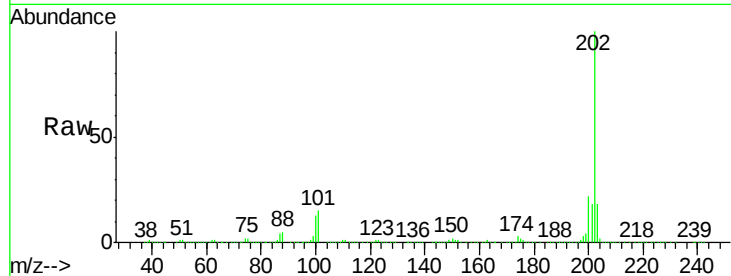
#77
 Pyrene
 Concen: 27.554 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.01 min
 Lab File: BF098520.D
 Acq: 14 Sep 2017 11:02

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091117-BDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.5	17.6	26.4
203	17.6	14.4	21.6

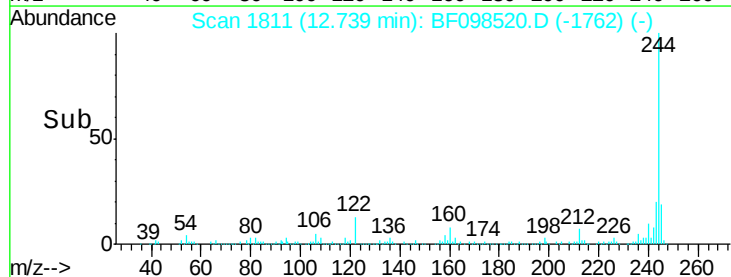
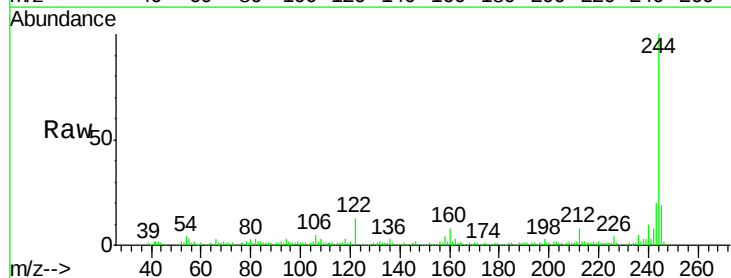
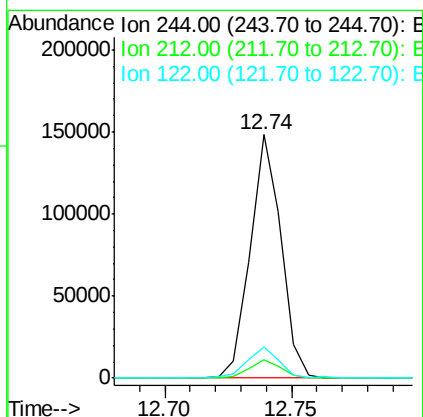
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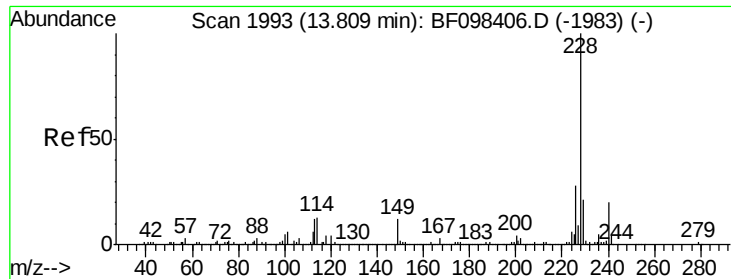
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#78
 Terphenyl-d14
 Concen: 8.897 ng
 RT: 12.74 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: BF098520.D
 Acq: 14 Sep 2017 11:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.6	6.0	9.0
122	12.9	10.3	15.5





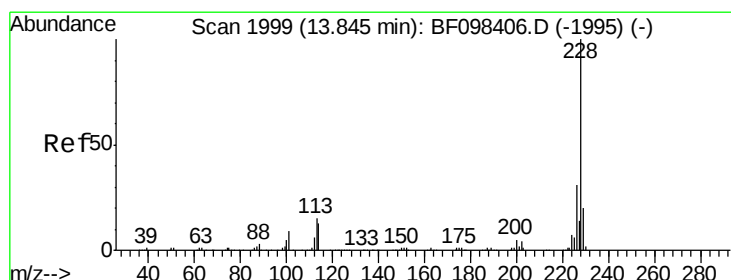
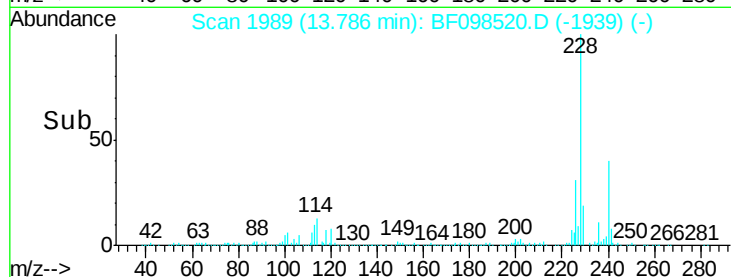
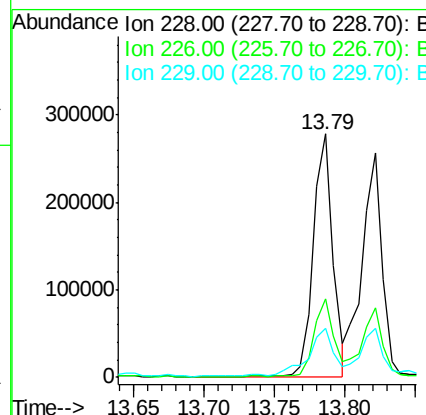
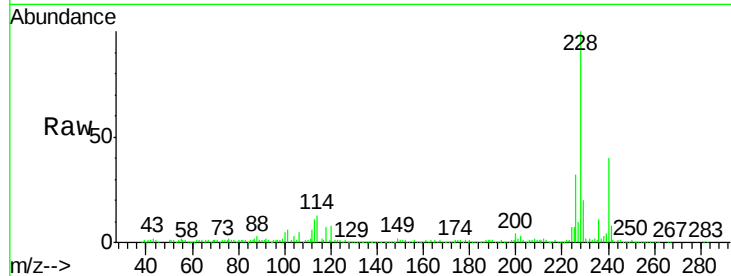
#80
Benzo(a)anthracene
Concen: 14.973 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF098520.D
Acq: 14 Sep 2017 11:02

Instrument :
BNA_F
ClientSampleId :
CL-02-091117-BDL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.6	33.8
229	20.4	16.3	24.5

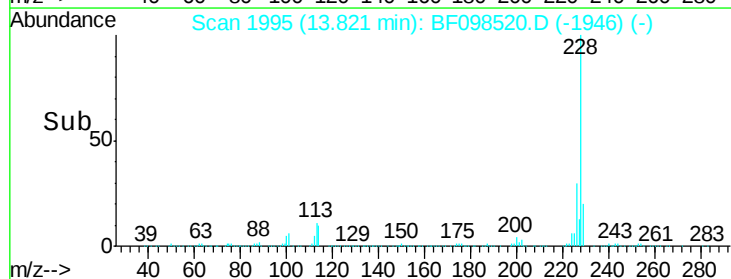
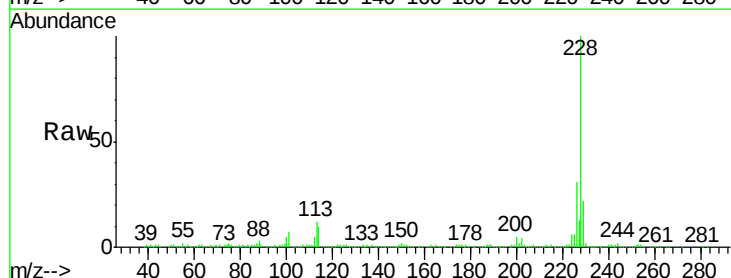
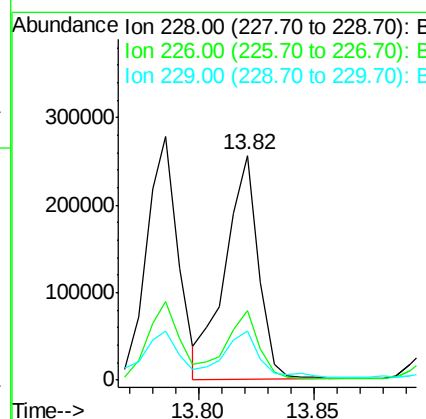
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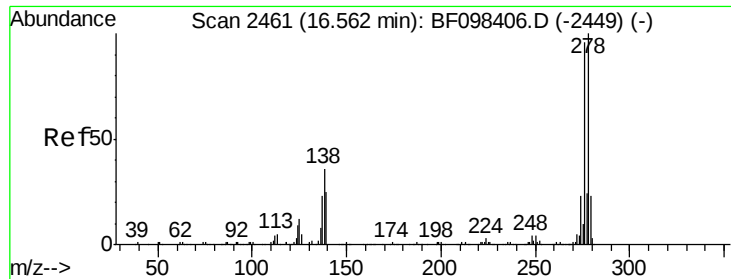
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#82
Chrysene
Concen: 14.195 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF098520.D
Acq: 14 Sep 2017 11:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	21.8	15.8	23.6





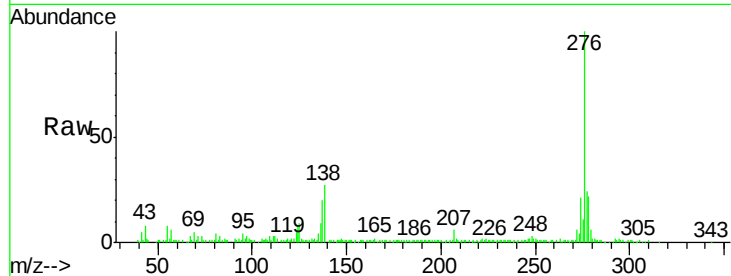
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.936 ng
RT: 16.53 min Scan# 2455
Delta R.T. -0.01 min
Lab File: BF098520.D
Acq: 14 Sep 2017 11:02

Instrument :
BNA_F
ClientSampleId :
CL-02-091117-BDL

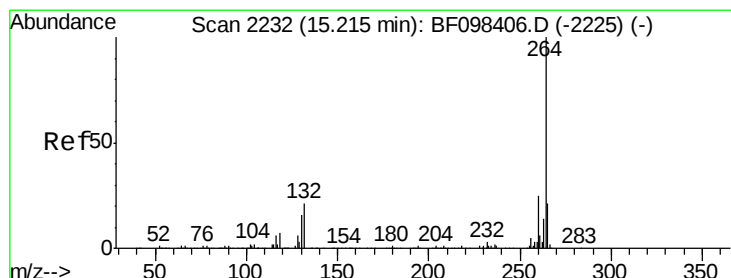
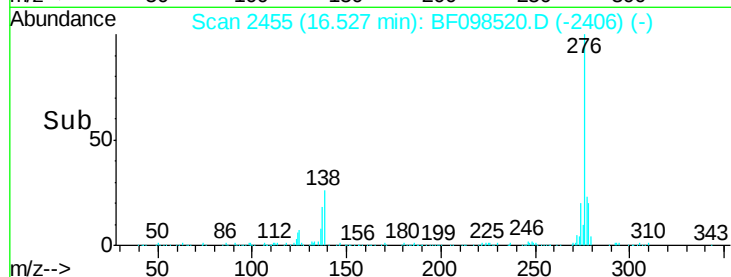
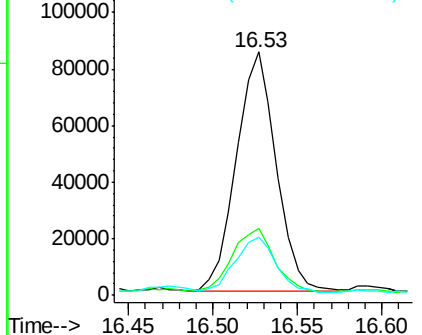
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	138548		
138	28.4		27.8	41.6
277	24.1		20.2	30.4

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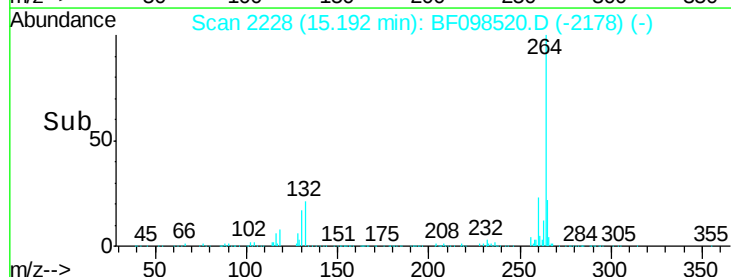
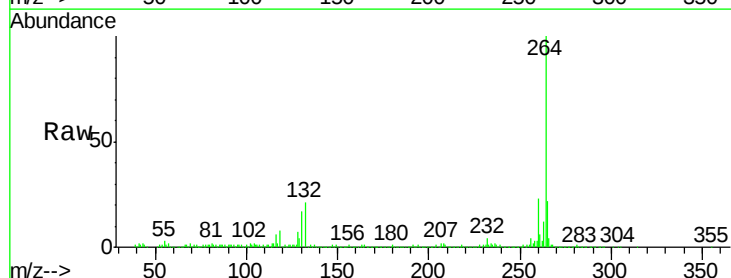
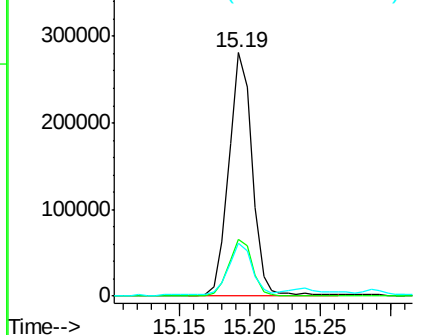
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

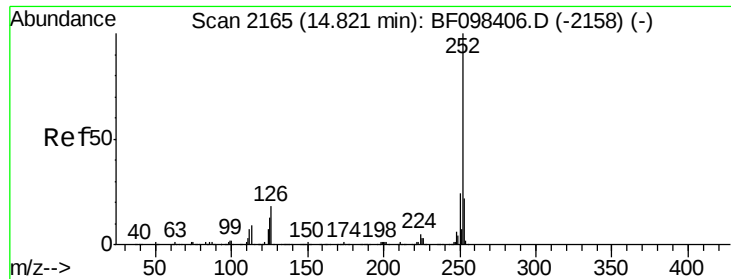


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BF098520.D
Acq: 14 Sep 2017 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	323681		
260	23.1		19.5	29.3
265	21.9		17.2	25.8

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 14.166 ng m

RT: 14.80 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF098520.D

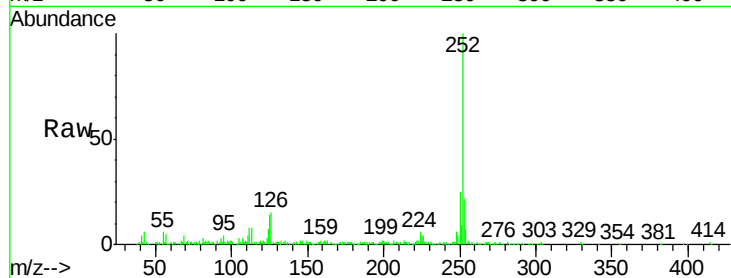
Acq: 14 Sep 2017 11:02

Instrument :

BNA_F

ClientSampleId :

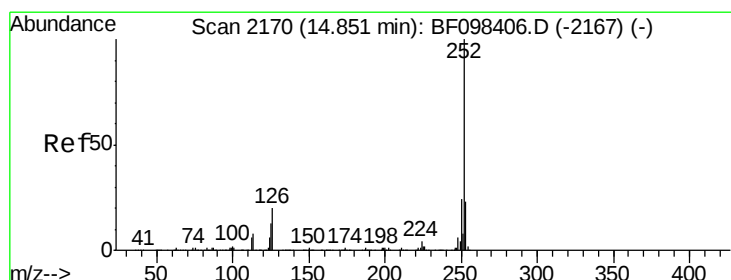
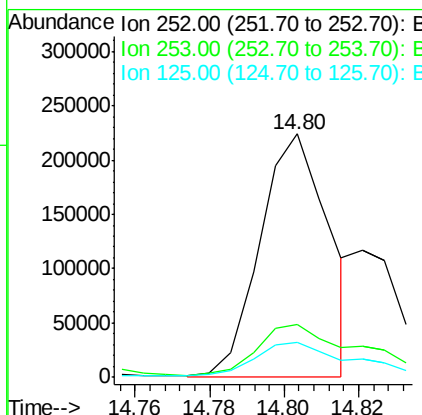
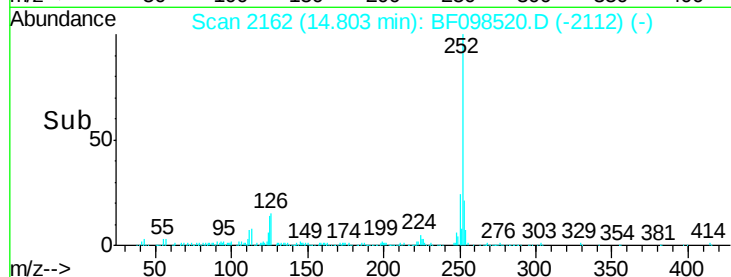
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	14.4	9.8	14.8

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#88

Benzo(k)fluoranthene

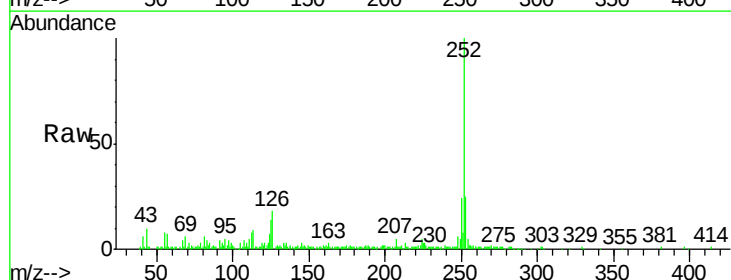
Concen: 5.630 ng m

RT: 14.82 min Scan# 2165

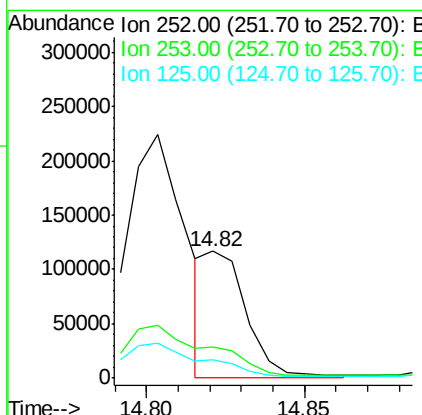
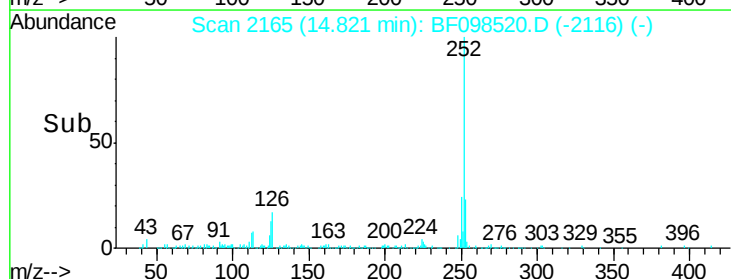
Delta R.T. -0.01 min

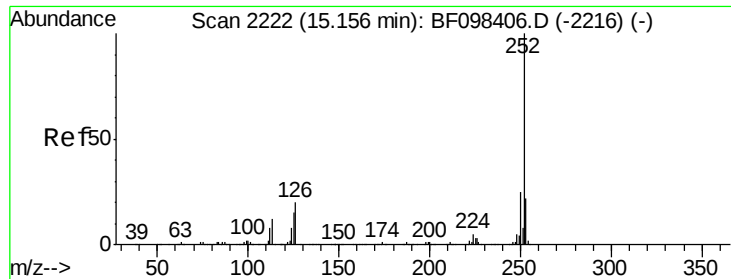
Lab File: BF098520.D

Acq: 14 Sep 2017 11:02



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.4	27.6
125	14.3	13.1	19.7





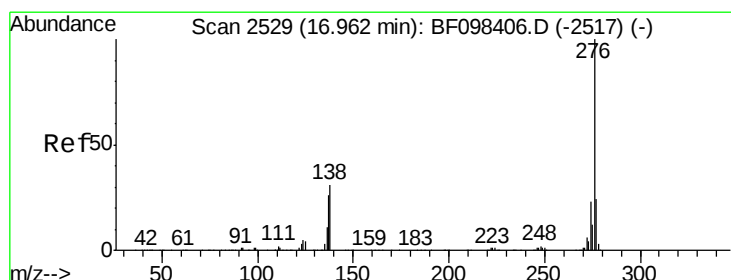
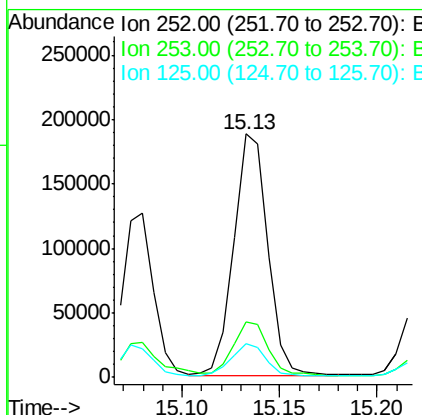
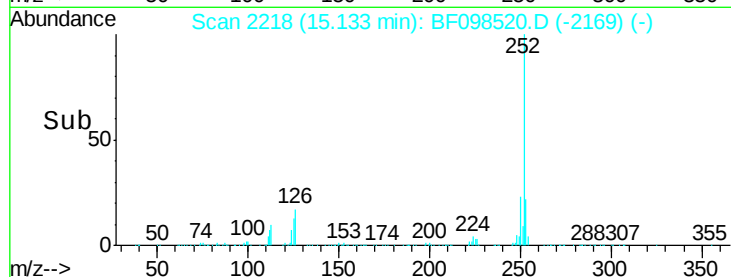
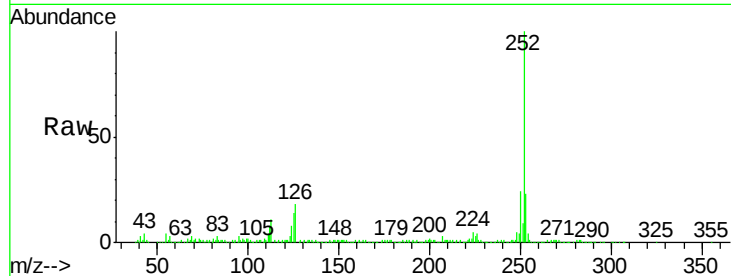
#89
Benzo(a)pyrene
Concen: 12.528 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098520.D
Acq: 14 Sep 2017 11:02

Instrument :
BNA_F
ClientSampleId :
CL-02-091117-BDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	13.7	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 10.510 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.01 min
Lab File: BF098520.D
Acq: 14 Sep 2017 11:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.6	28.0
138	30.3	25.4	38.0

