

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
 Data File : BF111793.D
 Acq On : 28 Dec 2018 17:18
 Operator : JU/SJ
 Sample : J6193-15 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-122718-C

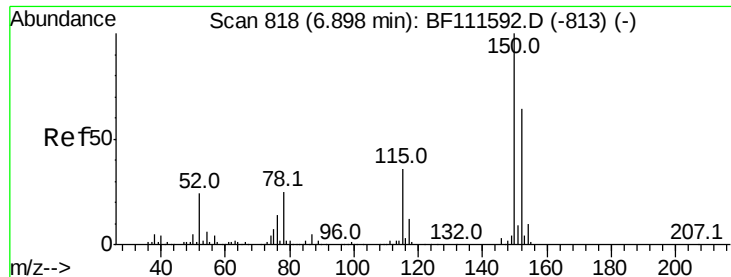
Manual Integrations
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Quant Time: Dec 30 21:32:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	164337	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	580739	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	247366	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	382440	20.00	ng	0.01
76) Chrysene-d12	14.07	240	348960	20.00	ng	0.02
87) Perylene-d12	15.57	264	245761	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	475753	49.35	ng	0.02
7) Phenol-d6	6.55	99	606655	49.44	ng	0.02
23) Nitrobenzene-d5	7.46	82	368760	36.96	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	128448	43.95	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	654245	38.55	ng	0.00
79) Terphenyl-d14	13.01	244	540240	29.36	ng	0.01
Target Compounds						
10) Phenol	6.55	94	41512	2.999	ng	89
50) Dimethylphthalate	9.65	163	94911	5.247	ng	98
52) Acenaphthene	9.97	154	36141	2.426	ng	94
58) Fluorene	10.49	166	61454	3.789	ng	98
71) Phenanthrene	11.45	178	109770	5.412	ng	92
72) Anthracene	11.50	178	119629	5.876	ng	95
75) Fluoranthene	12.64	202	396998	19.329	ng	96
78) Pyrene	12.87	202	354901	14.402	ng	95
81) Benzo(a)anthracene	14.06	228	177518	8.914	ng	99
83) Chrysene	14.09	228	158634	8.105	ng	97
86) Indeno(1,2,3-cd)pyrene	17.07	276	57202	3.438	ng	# 85
88) Benzo(b)fluoranthene	15.13	252	160668m	11.186	ng	
89) Benzo(k)fluoranthene	15.15	252	52952m	3.872	ng	
90) Benzo(a)pyrene	15.50	252	104817m	8.033	ng	
92) Benzo(a,h,i)perylene	17.52	276	55010	4.930	ng	# 89

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



#1

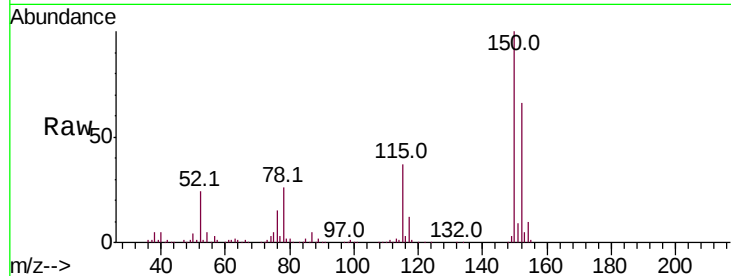
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Instrument :
BNA_F
ClientSampleId :
CL-02-122718-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	126.6	189.8
115	56.6	50.7	76.1

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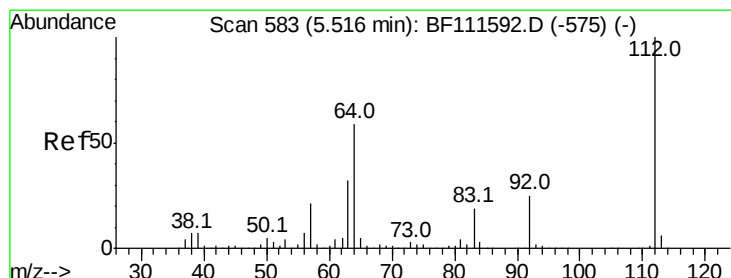
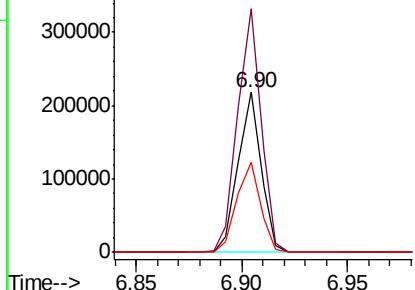
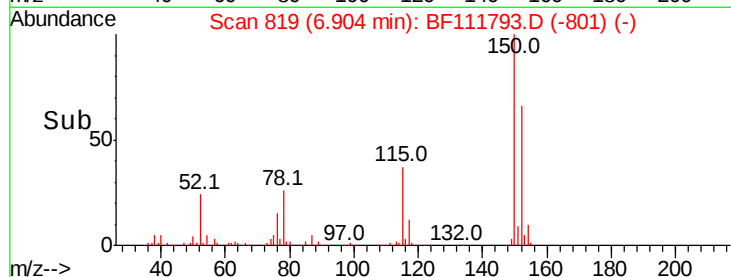


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

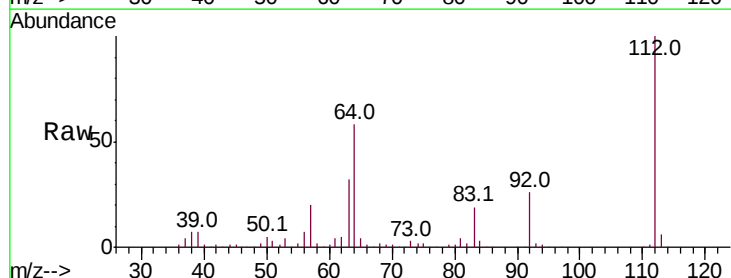
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.346 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	51.8	77.6
63	32.1	26.8	40.2

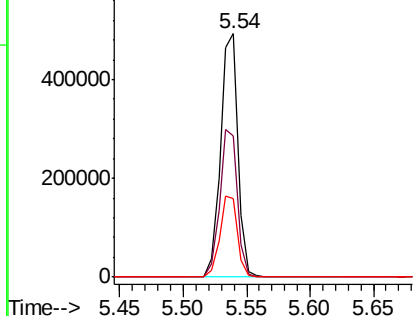
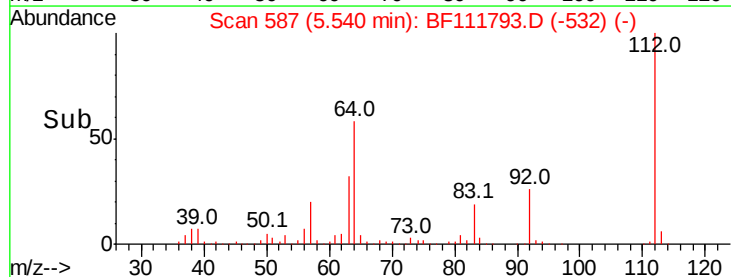


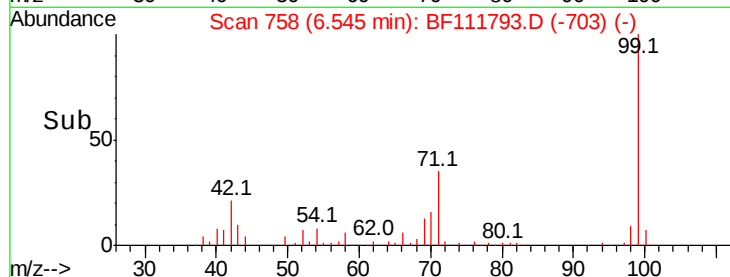
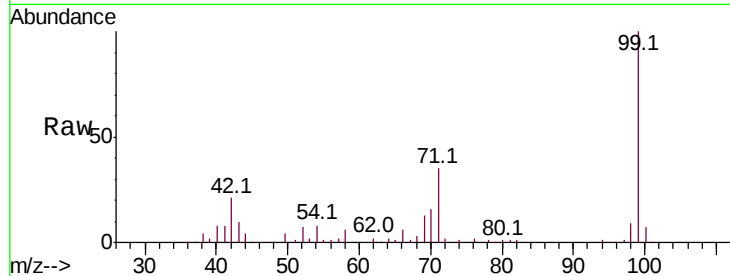
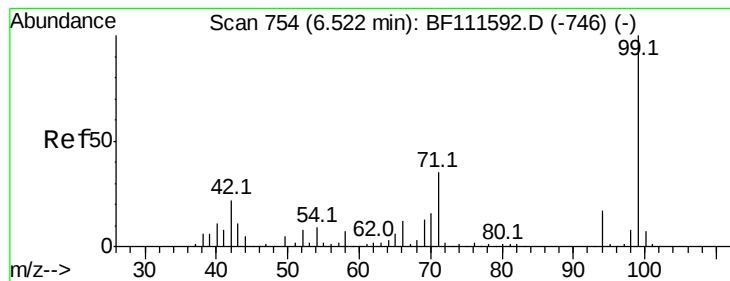
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 49.443 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Tot Ion	99	Resp	606655
Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.4	26.0
71	35.0	26.1	39.1

Instrument :

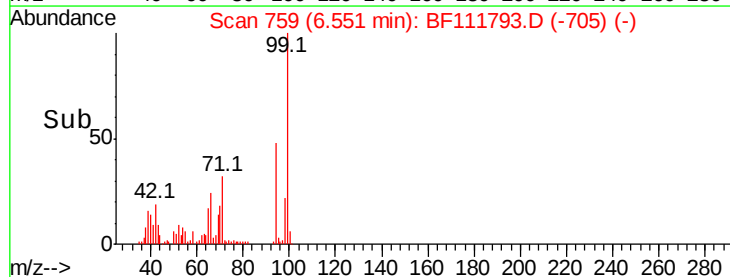
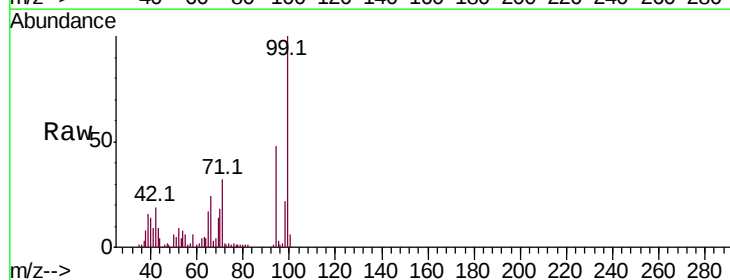
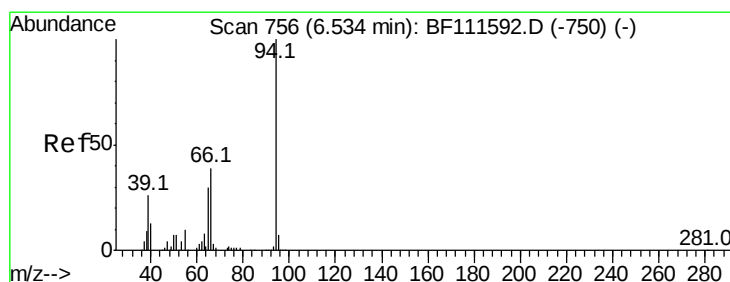
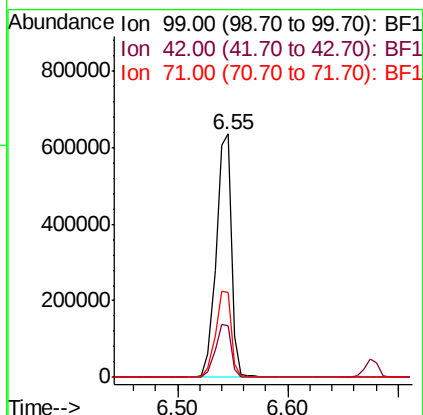
BNA_F

ClientSampleId :

CL-02-122718-C

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#10

Phenol

Concen: 2.999 ng

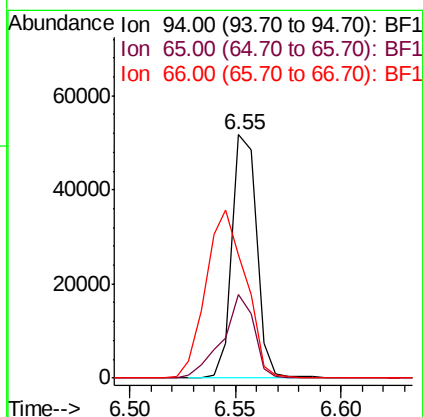
RT: 6.55 min Scan# 759

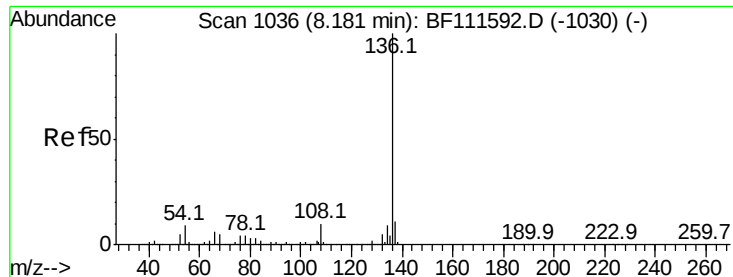
Delta R.T. 0.02 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Tgt Ion	94	Resp	41512
Ion	Ratio	Lower	Upper
94	100		
65	34.6	11.7	51.7
66	50.6	21.0	61.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Instrument :

BNA_F

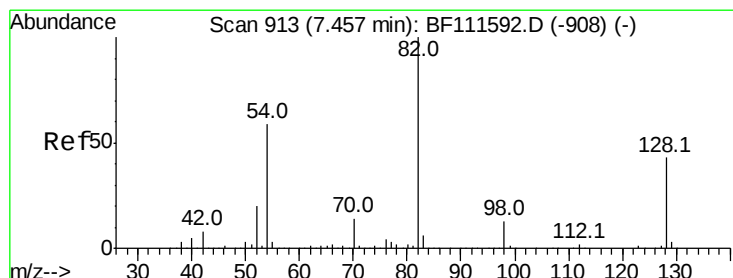
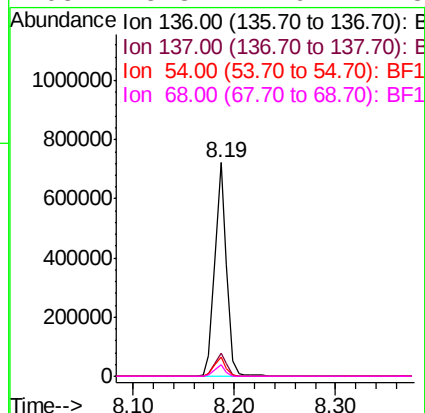
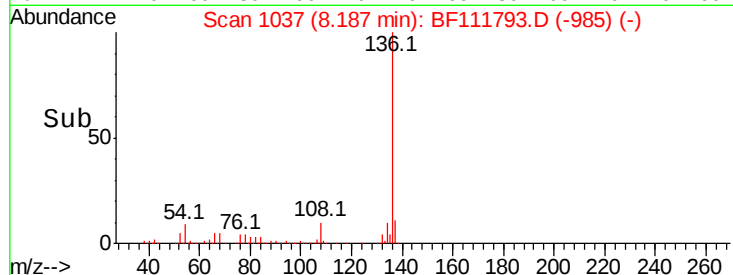
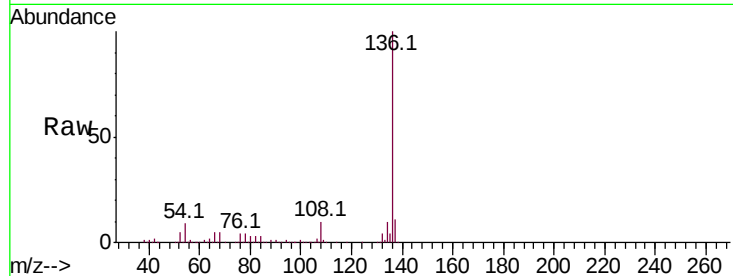
ClientSampleId :

CL-02-122718-C

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	9.1	13.7	
54	8.8	7.7	11.5	
68	5.3	4.9	7.3	

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#23

Nitrobenzene-d5

Concen: 36.961 ng

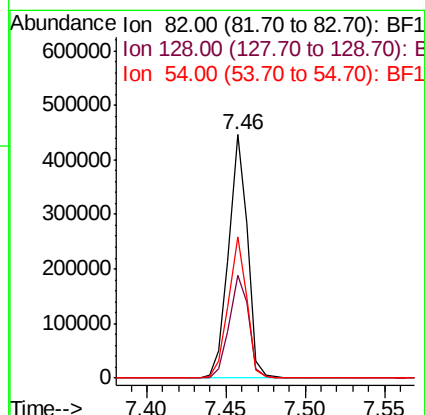
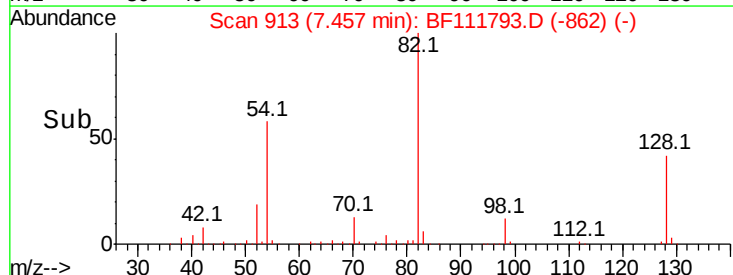
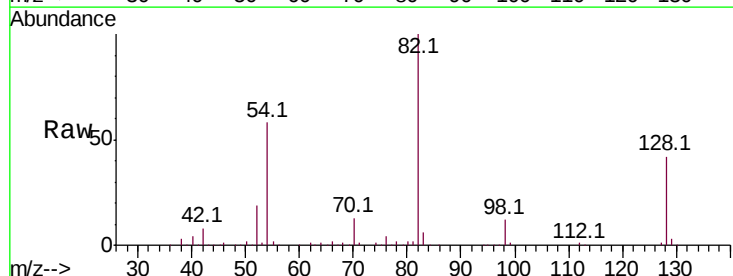
RT: 7.46 min Scan# 913

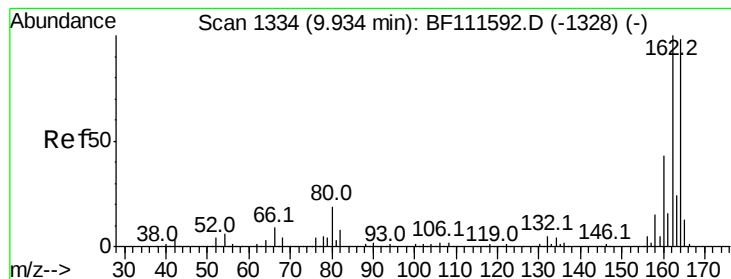
Delta R.T. -0.00 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.5	37.4	56.2	
54	57.8	47.6	71.4	





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Instrument :

BNA_F

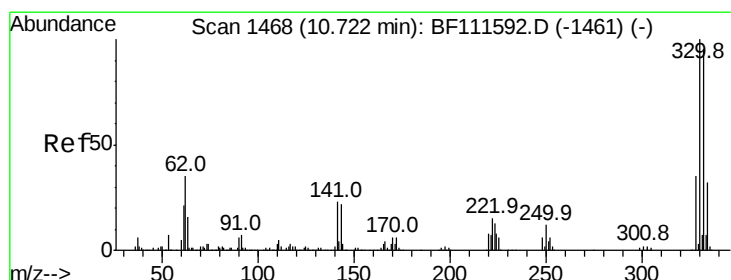
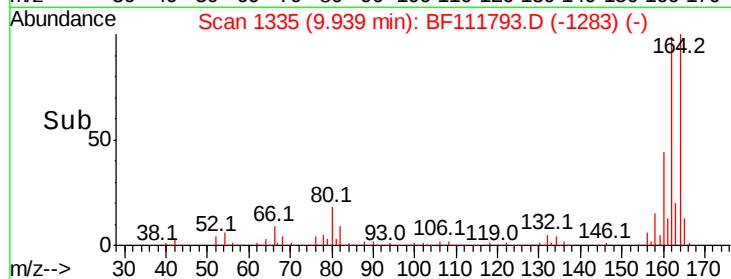
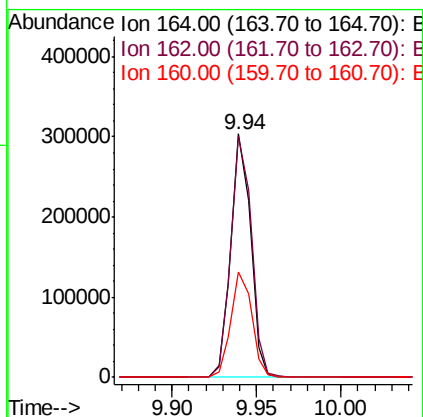
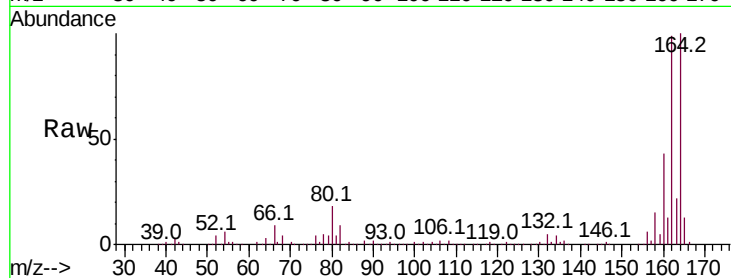
ClientSampleId :

CL-02-122718-C

Tot Ion:	164	Resp:	247366
Ion Ratio	Lower	Upper	
164	100		
162	99.2	81.4	122.0
160	43.4	35.7	53.5

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#42

2,4,6-Tribromophenol

Concen: 43.947 ng

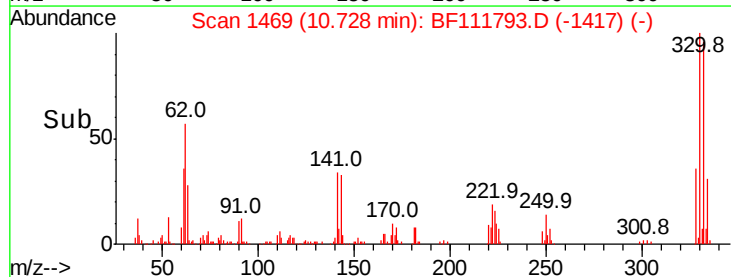
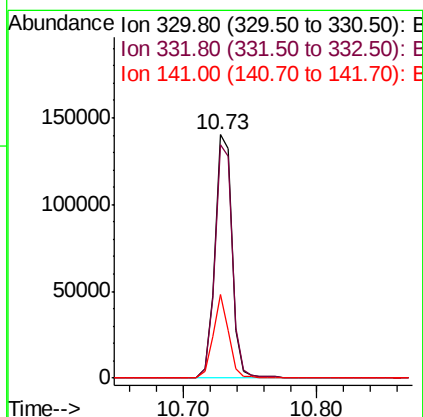
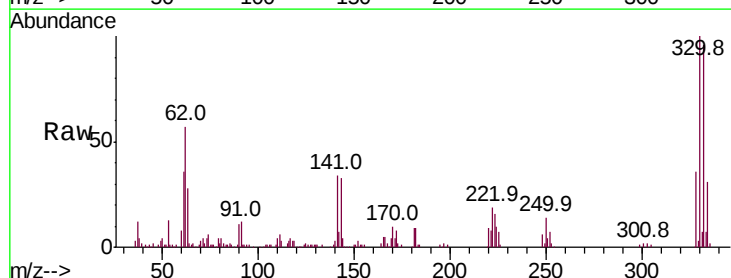
RT: 10.73 min Scan# 1469

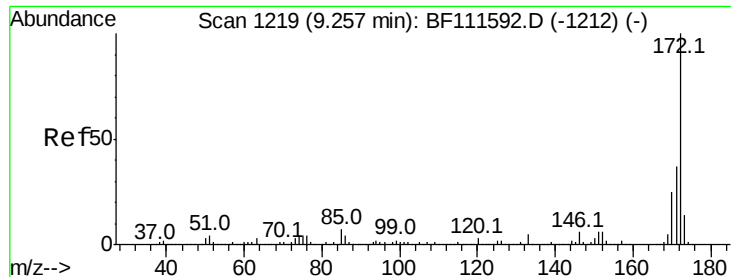
Delta R.T. 0.01 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Tgt Ion:	330	Resp:	128448
Ion Ratio	Lower	Upper	
330	100		
332	97.0	76.0	114.0
141	31.1	31.0	46.6





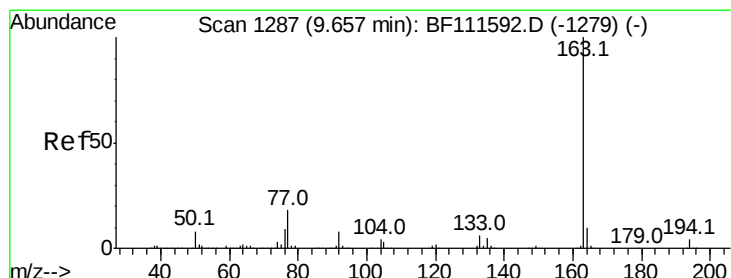
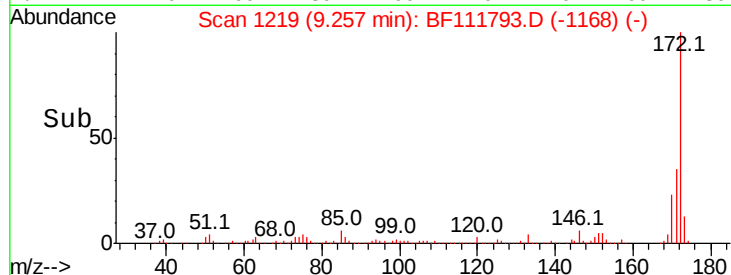
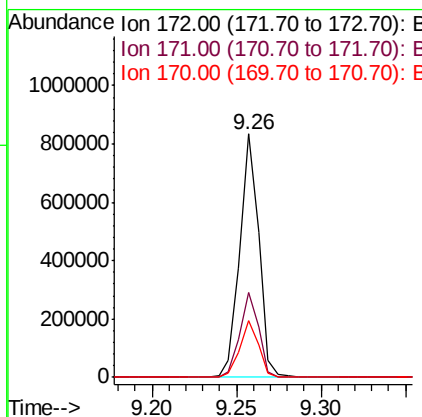
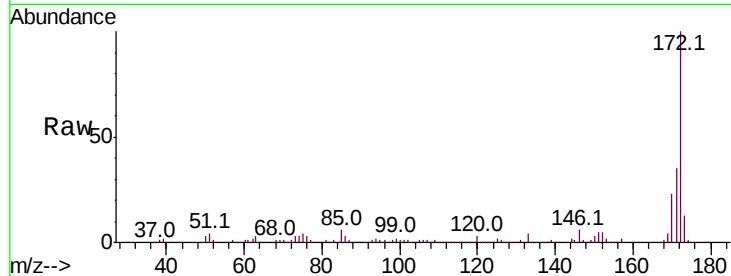
#45
2-Fluorobiphenyl
Concen: 38.551 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Instrument :
BNA_F
ClientSampleId :
CL-02-122718-C

Tot Ion	Ratio	Resp	Lower	Upper
172	100	654245		
171	35.0		33.0	49.4
170	23.3		22.3	33.5

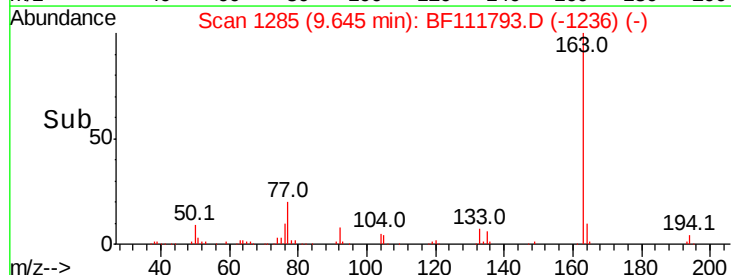
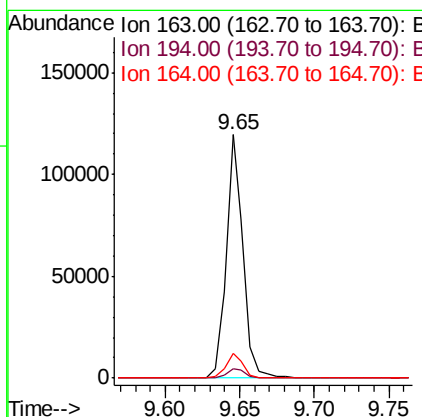
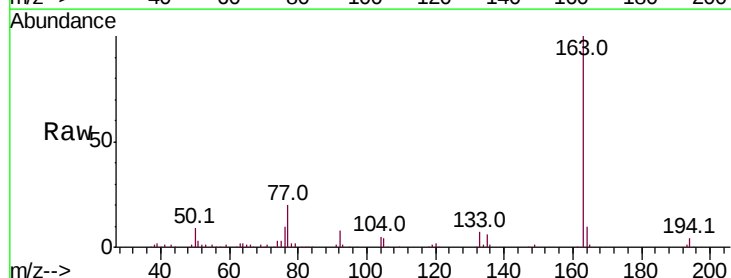
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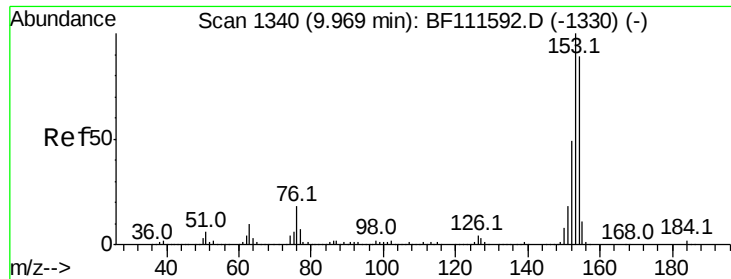
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#50
Dimethylphthalate
Concen: 5.247 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	94911		
194	3.9		3.0	4.6
164	10.3		8.9	13.3





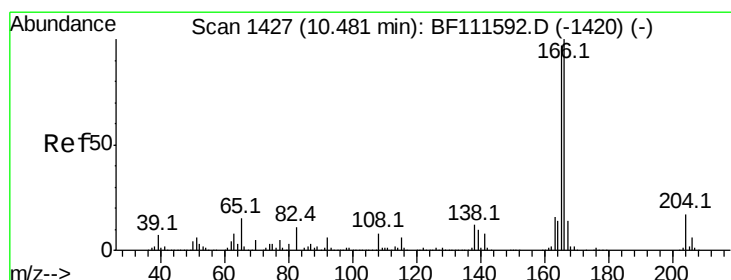
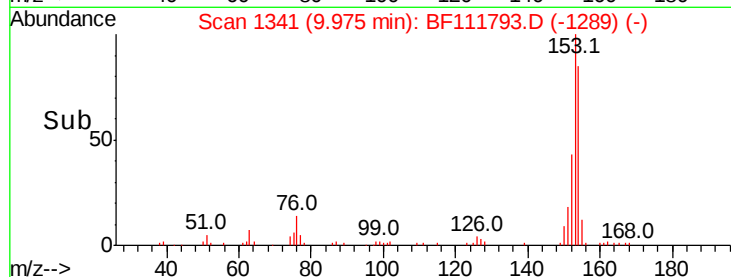
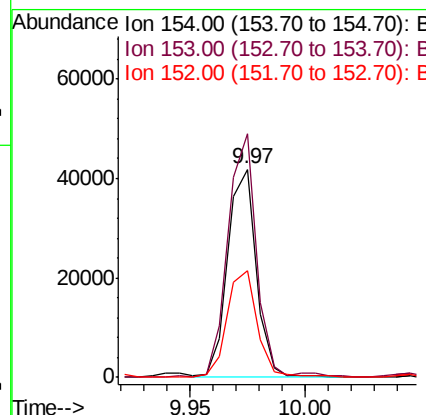
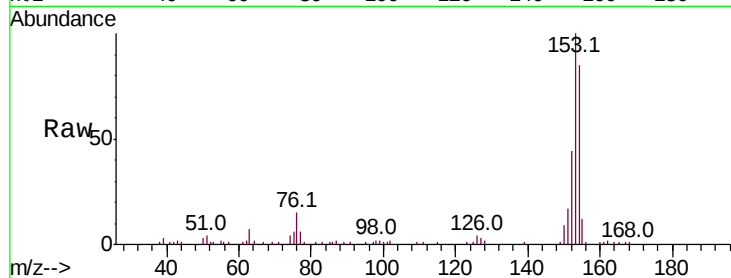
#52
Acenaphthene
Concen: 2.426 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Instrument :
BNA_F
ClientSampleId :
CL-02-122718-C

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.2	87.8	131.8
152	51.2	43.4	65.2

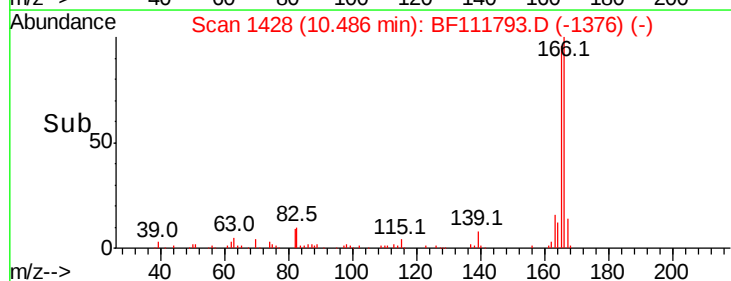
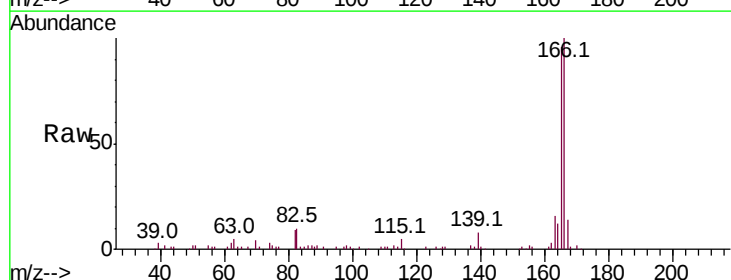
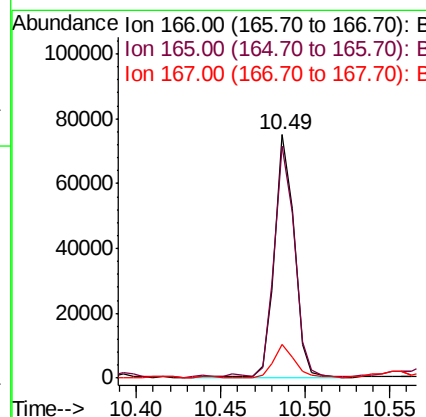
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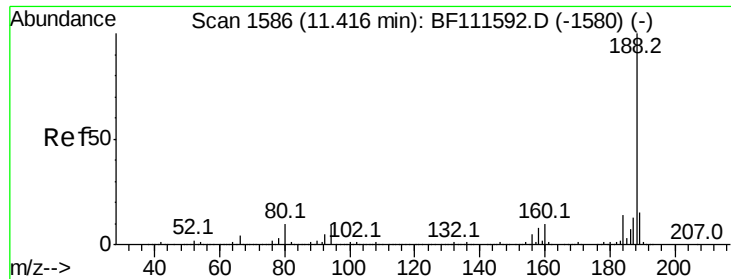
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#58
Fluorene
Concen: 3.789 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.5	78.4	117.6
167	13.8	11.2	16.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-C

Tot Ion:188 Resp: 382440

Ion Ratio Lower Upper

188 100

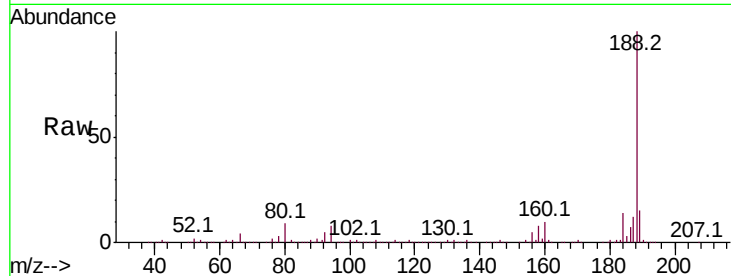
94 8.5 9.6 14.4#

80 9.4 9.8 14.6#

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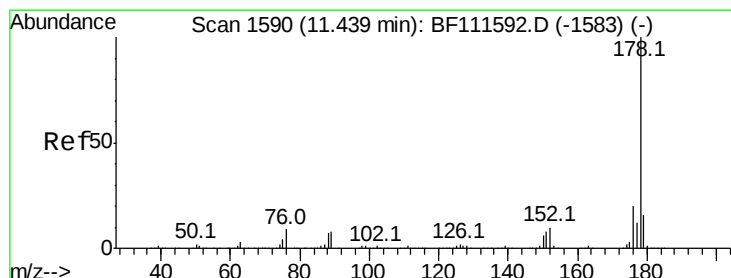
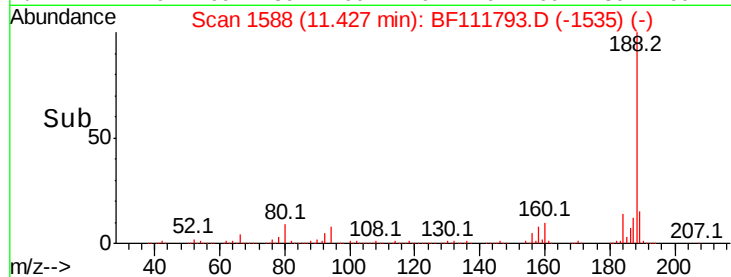
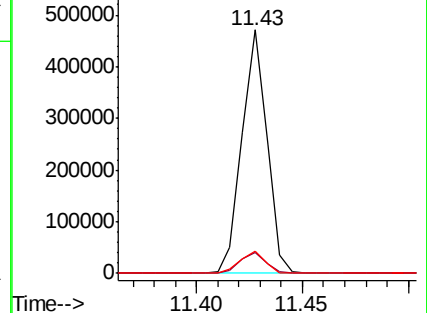
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 5.412 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.01 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

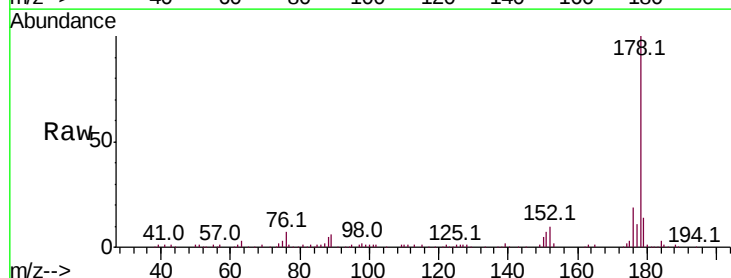
Tgt Ion:178 Resp: 109770

Ion Ratio Lower Upper

178 100

176 18.6 18.1 27.1

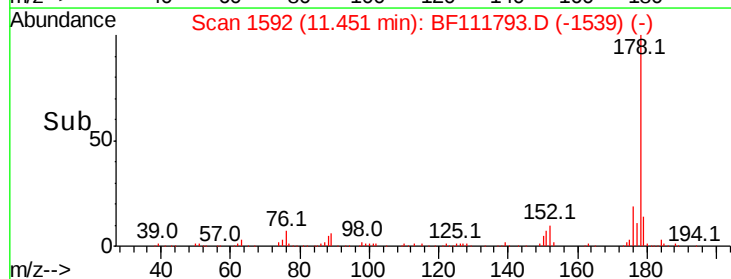
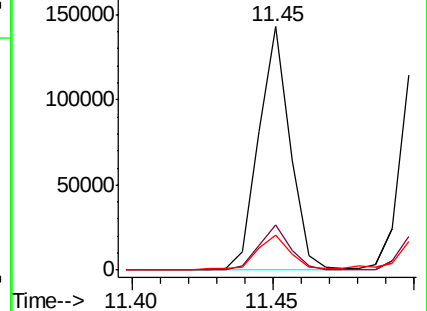
179 14.3 14.0 21.0

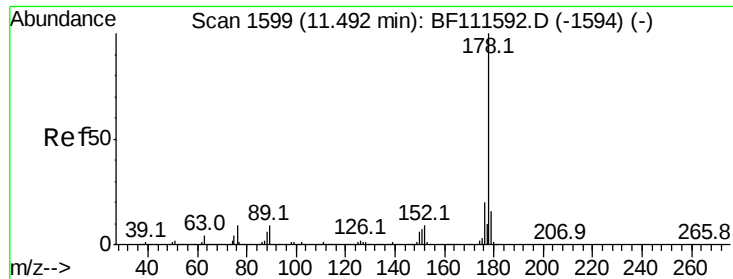


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.876 ng

RT: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Instrument :

BNA_F

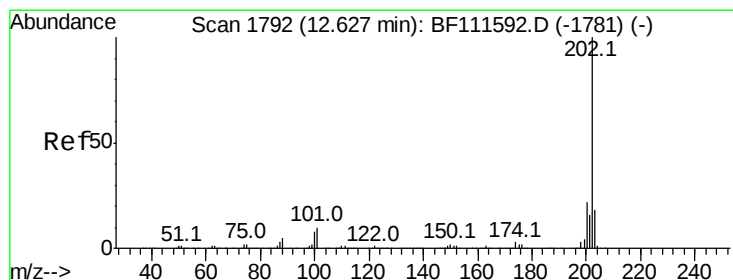
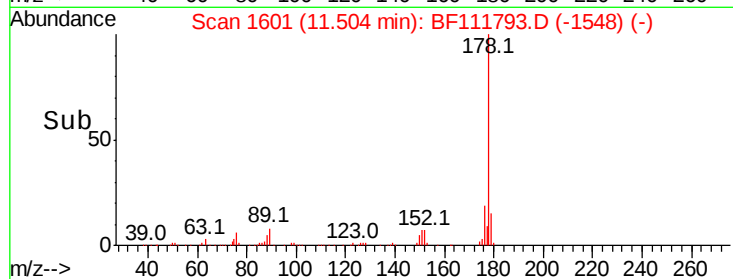
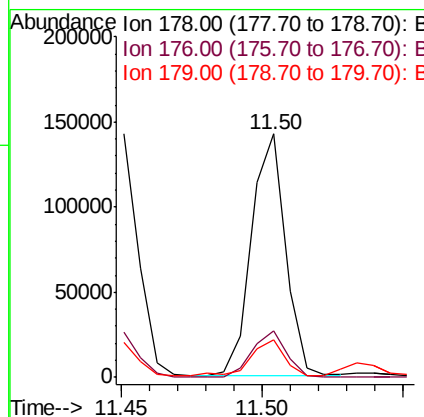
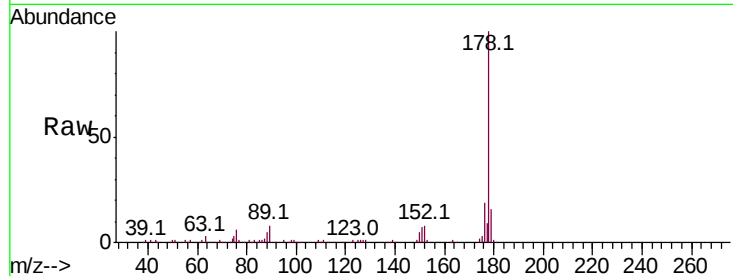
ClientSampleId :

CL-02-122718-C

Tot Ion:	178	Resp:	119629
Ion Ratio	Lower	Upper	
178	100		
176	19.0	17.2	25.8
179	15.6	13.8	20.8

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#75

Fluoranthene

Concen: 19.329 ng

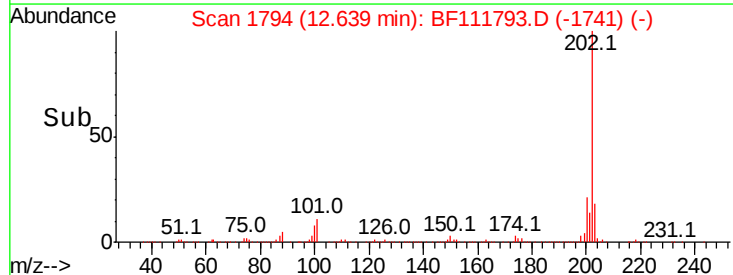
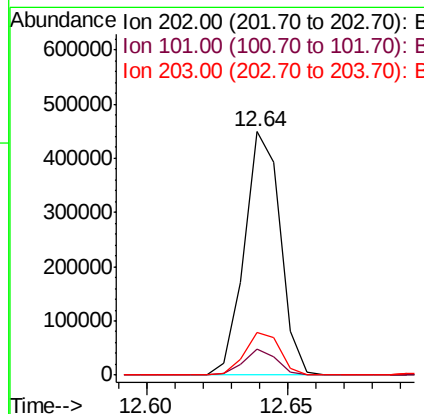
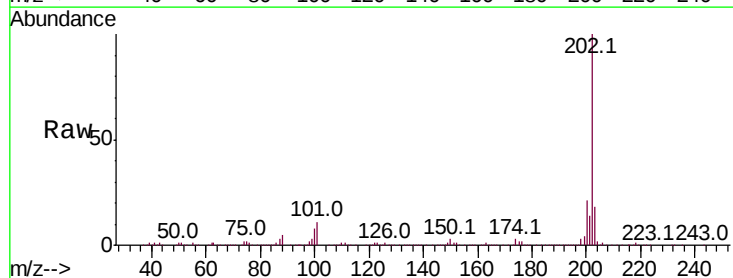
RT: 12.64 min Scan# 1794

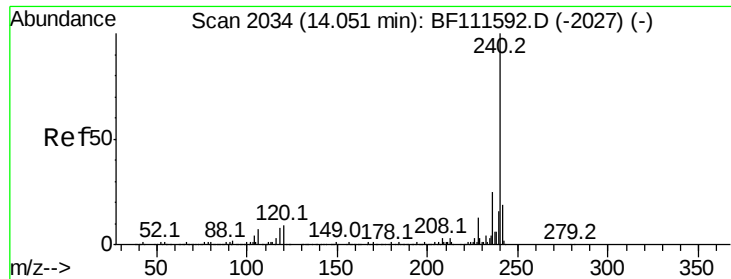
Delta R.T. 0.01 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Tgt Ion:	202	Resp:	396998
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	33.8
203	17.7	0.0	38.6





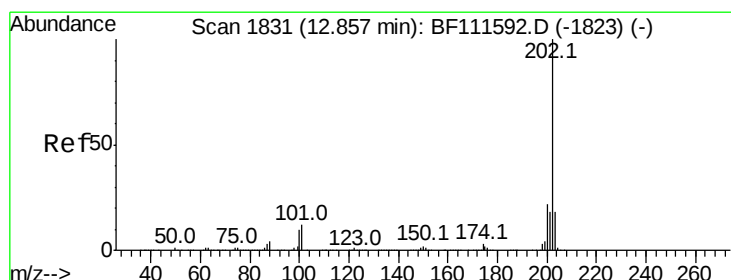
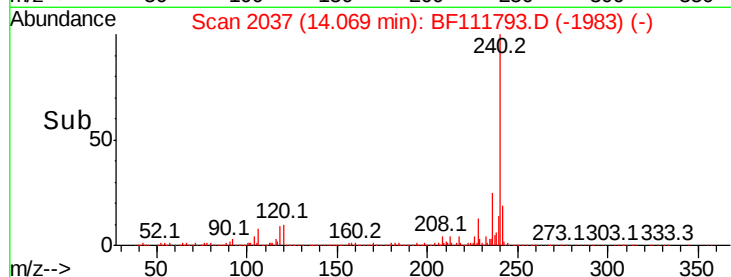
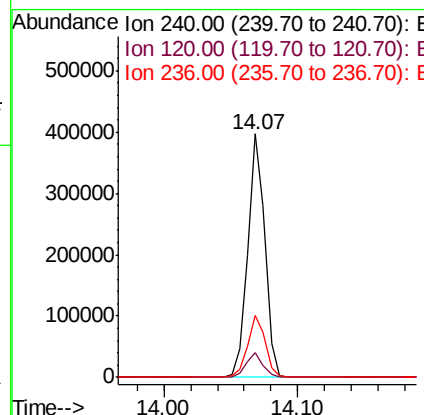
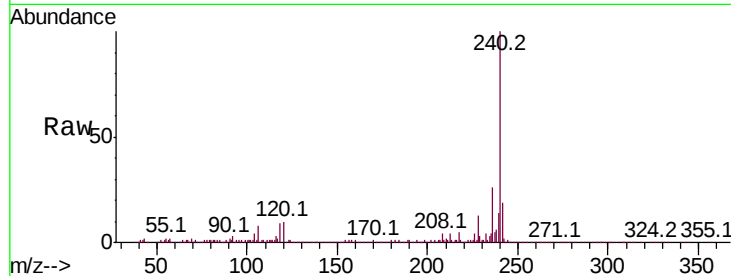
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. 0.02 min
 Lab File: BF111793.D
 Acq: 28 Dec 2018 17:18

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-122718-C

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	12.2	18.2#
236	25.6	20.2	30.2

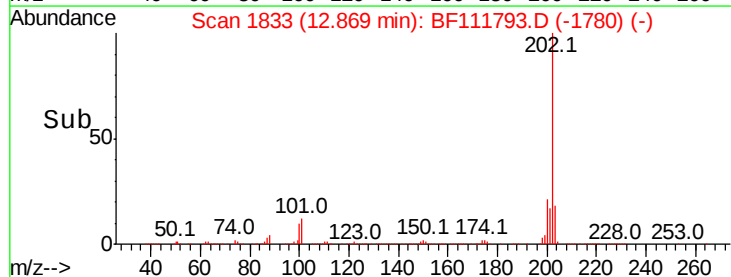
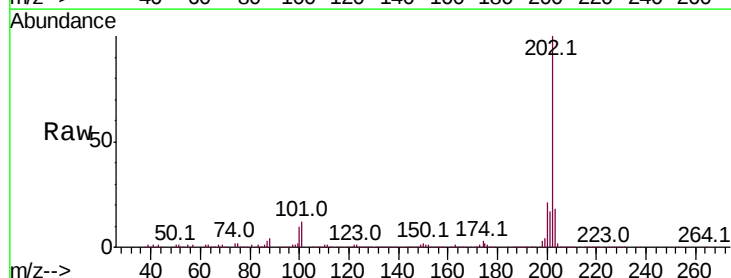
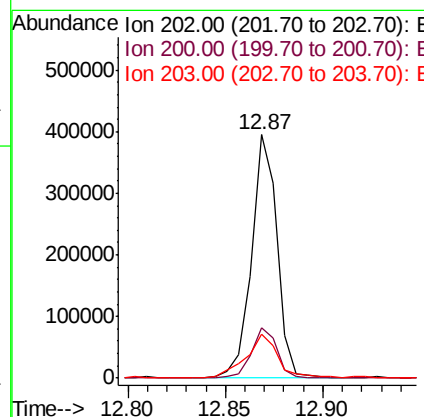
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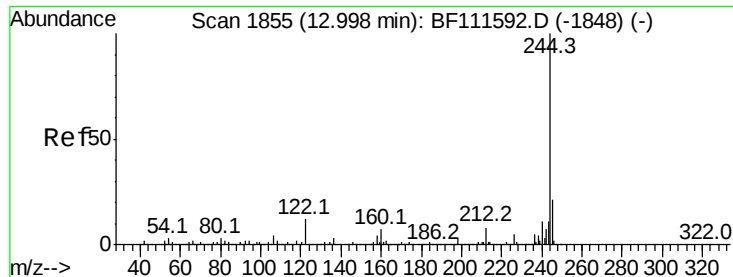
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#78
 Pyrene
 Concen: 14.402 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: BF111793.D
 Acq: 28 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	19.0	28.4
203	17.8	15.2	22.8





#79

Terphenyl-d14

Concen: 29.359 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Instrument :

BNA_F

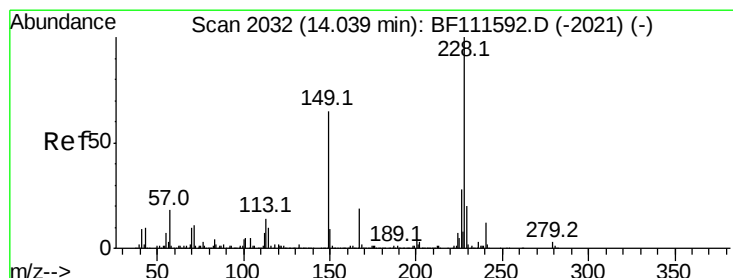
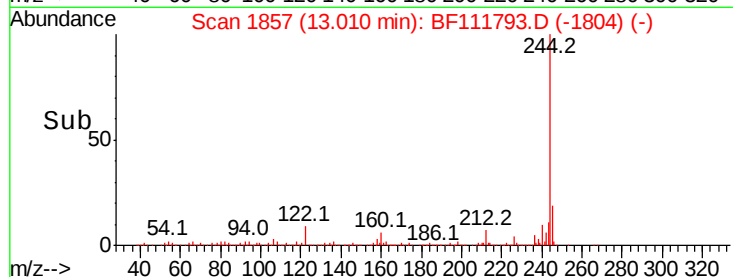
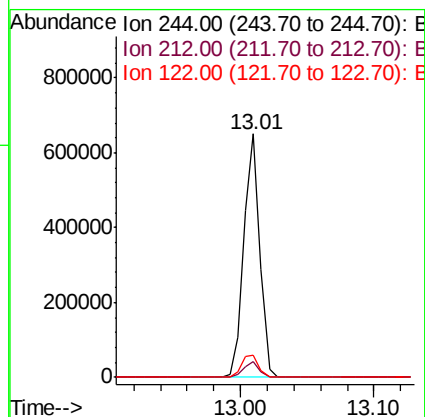
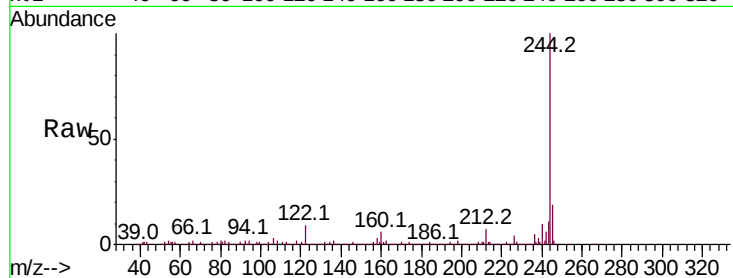
ClientSampleId :

CL-02-122718-C

Tot Ion:	244	Resp:	540240
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.7	8.5
122	9.3	13.1	19.7

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 8.914 ng

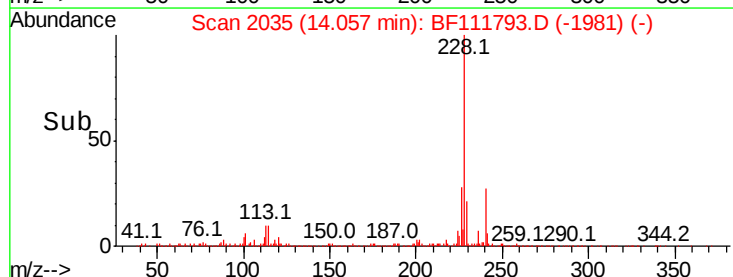
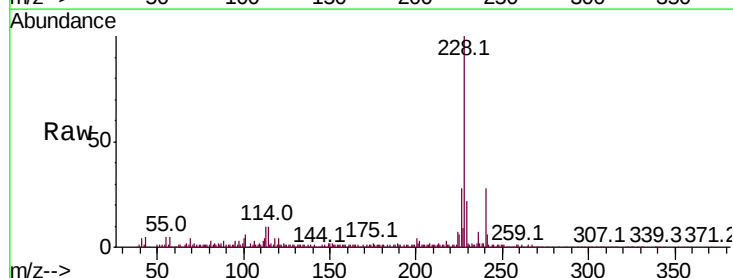
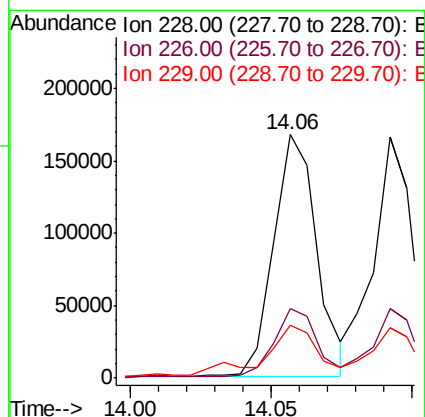
RT: 14.06 min Scan# 2035

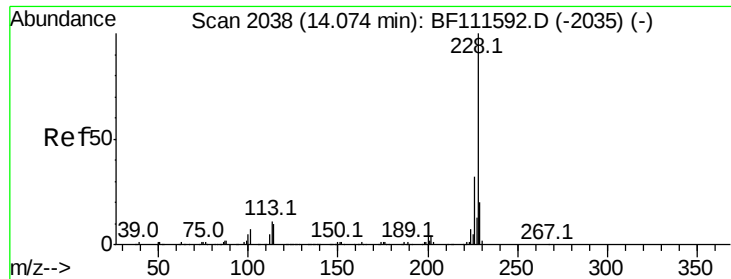
Delta R.T. 0.02 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Tgt Ion:	228	Resp:	177518
Ion Ratio	Lower	Upper	
228	100		
226	28.3	22.6	34.0
229	21.7	16.3	24.5





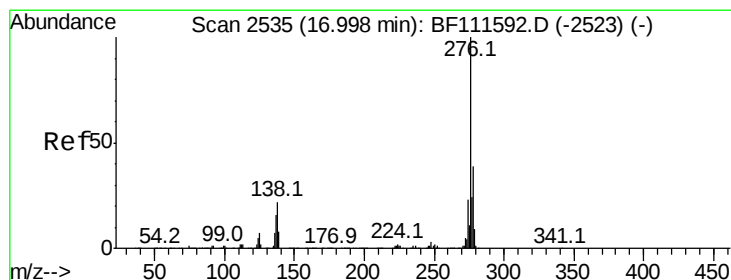
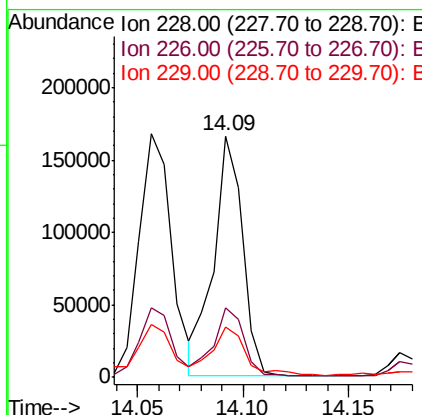
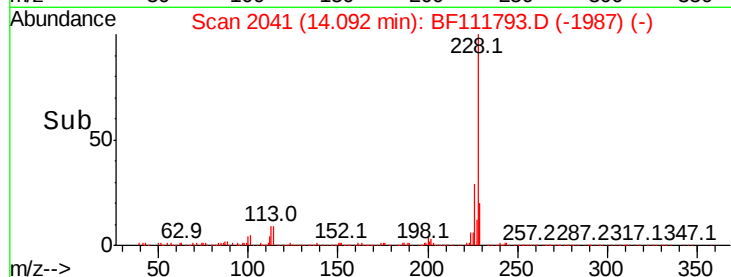
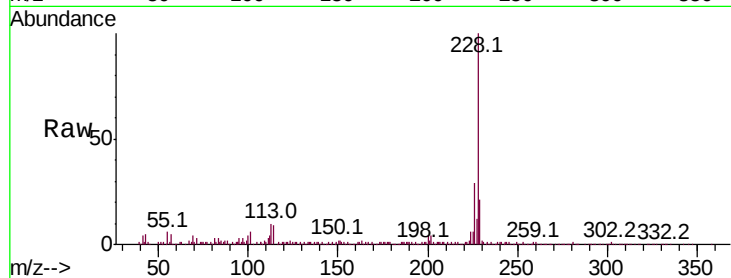
#83
Chrysene
Concen: 8.105 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Instrument :
BNA_F
ClientSampleId :
CL-02-122718-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.3	37.9
229	21.0	17.2	25.8

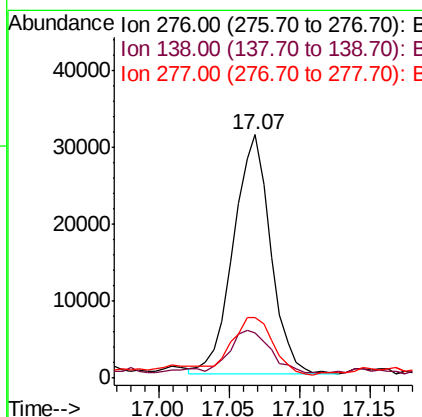
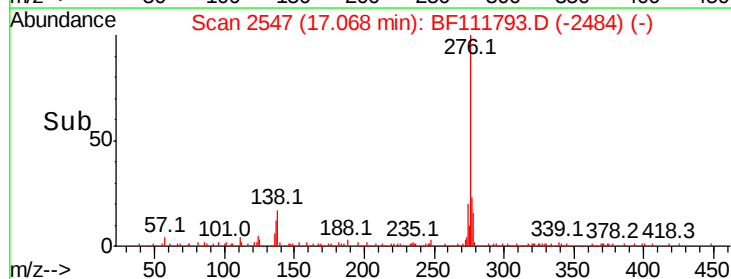
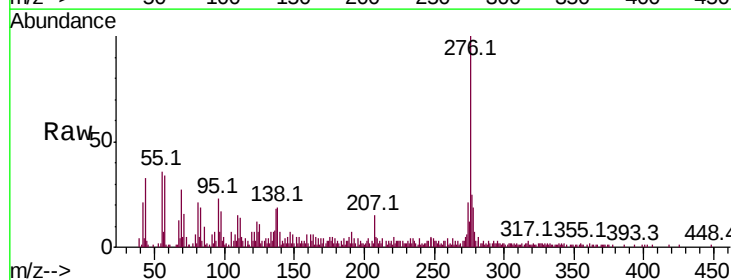
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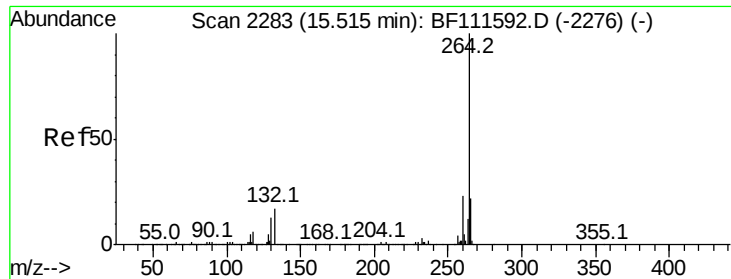
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.438 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.07 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	27.8	41.6#
277	27.4	20.1	30.1





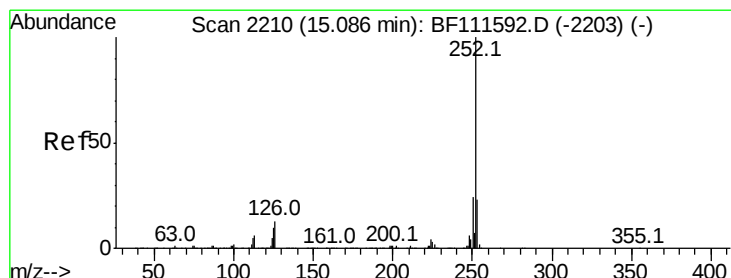
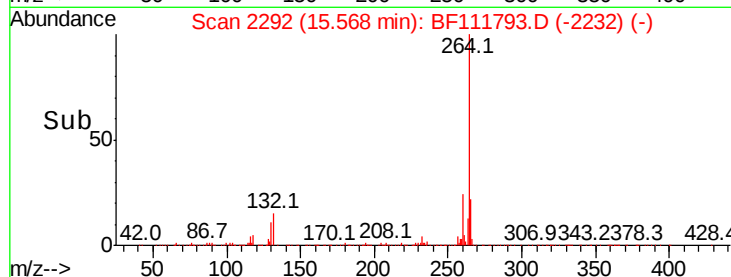
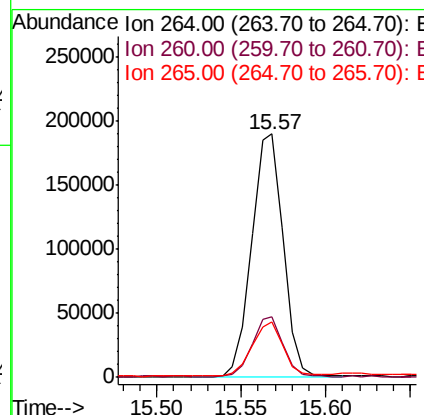
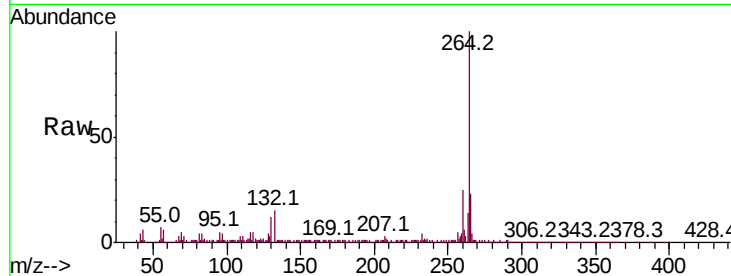
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.05 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Instrument :
BNA_F
ClientSampleId :
CL-02-122718-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.3	27.5
265	22.7	17.7	26.5

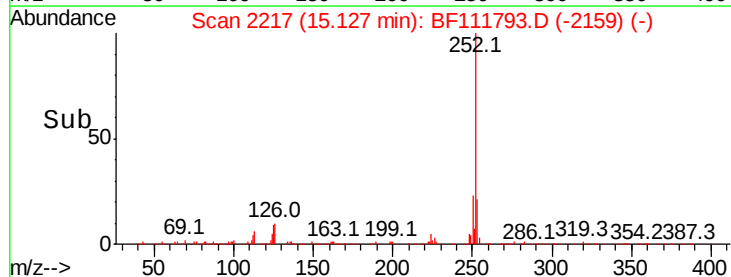
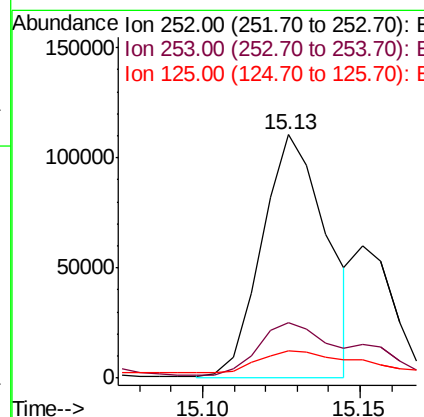
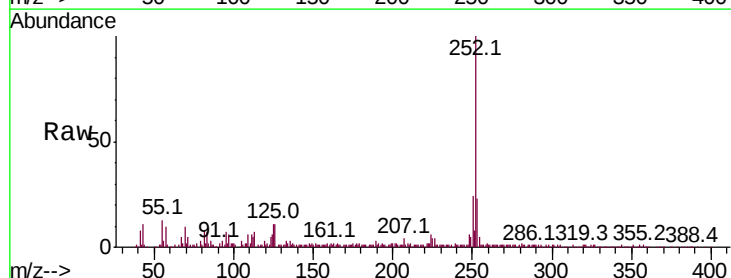
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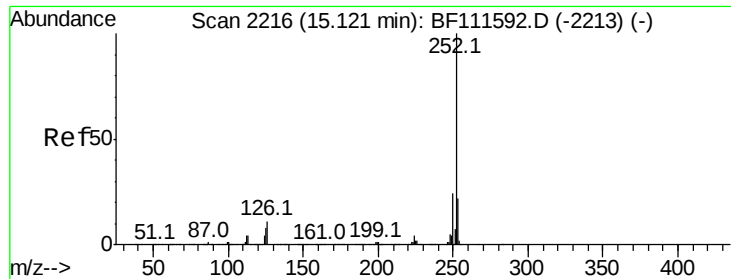
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#88
Benzo(b)fluoranthene
Concen: 11.186 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.04 min
Lab File: BF111793.D
Acq: 28 Dec 2018 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	11.0	10.4	15.6





#89

Benzo(k)fluoranthene

Concen: 3.872 ng m

RT: 15.15 min Scan# 2221

Delta R.T. 0.03 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Instrument :

BNA_F

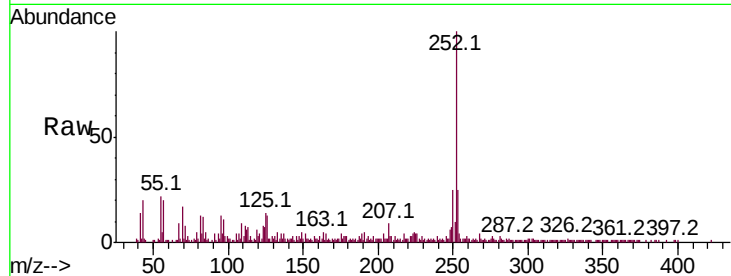
ClientSampleId :

CL-02-122718-C

Tot Ion:	252	Resp:	52952
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.1	27.1
125	14.4	9.8	14.8

Manual Integrations
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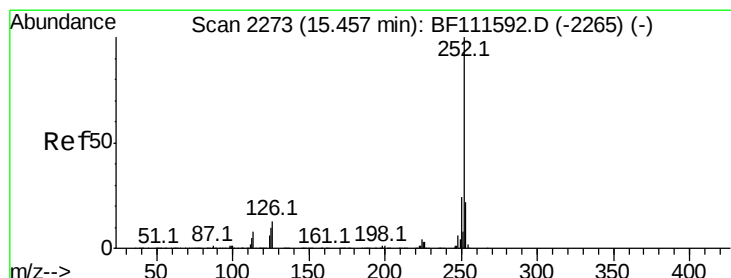
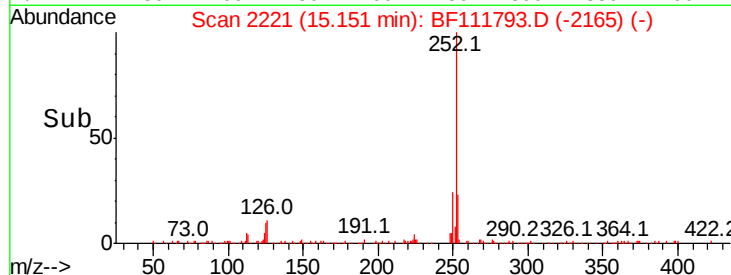
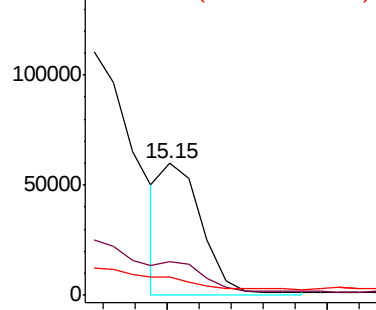
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 8.033 ng m

RT: 15.50 min Scan# 2281

Delta R.T. 0.05 min

Lab File: BF111793.D

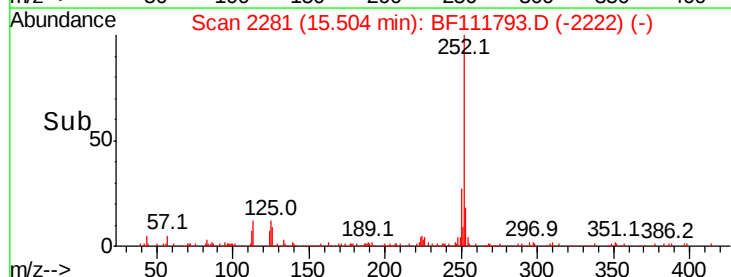
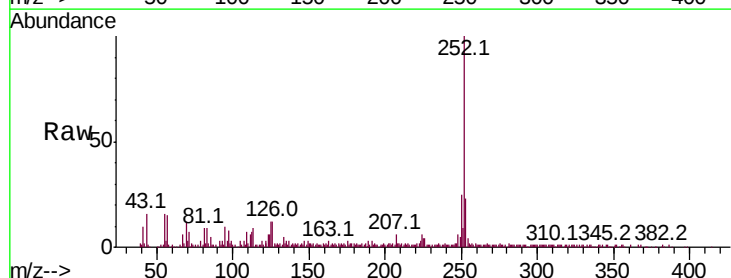
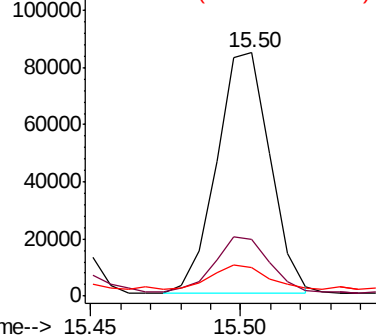
Acq: 28 Dec 2018 17:18

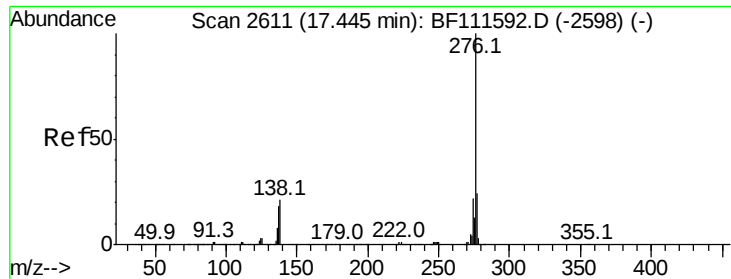
Tgt Ion:	252	Resp:	104817
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.8
125	11.9	12.3	18.5#

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 4.930 ng

RT: 17.52 min Scan# 2624

Delta R.T. 0.08 min

Lab File: BF111793.D

Acq: 28 Dec 2018 17:18

Instrument :

BNA_F

ClientSampleId :

CL-02-122718-C

Tot Ion:	276	Resp:	55010
Ion Ratio	Lower	Upper	
276	100		
277	26.9	19.2	28.8
138	23.0	24.9	37.3#

Manual Integrations
APPROVED

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1/2/2019 2:51:37 PM

