

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
 Data File : BF111794.D
 Acq On : 28 Dec 2018 17:45
 Operator : JU/SJ
 Sample : J6193-17 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 1/2/2019 2:51:39 PM

Quant Time: Dec 29 01:47:51 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	161425	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	574674	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	240989	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	374939	20.00	ng	0.01
76) Chrysene-d12	14.07	240	367260	20.00	ng	0.02
87) Perylene-d12	15.56	264	261367	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	482490	50.95	ng	0.02
7) Phenol-d6	6.55	99	606461	50.32	ng	0.02
23) Nitrobenzene-d5	7.46	82	375276	38.01	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	127985	44.95	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	667056	40.35	ng	0.00
79) Terphenyl-d14	13.01	244	571247	29.50	ng	0.01
Target Compounds						
10) Phenol	6.55	94	41172	3.028	ng	83
50) Dimethylphthalate	9.65	163	89801	5.096	ng	98
71) Phenanthrene	11.45	178	73700	3.706	ng	94
72) Anthracene	11.50	178	41355	2.072	ng	92
75) Fluoranthene	12.64	202	175077	8.695	ng	96
78) Pyrene	12.87	202	181628	7.003	ng	96
81) Benzo(a)anthracene	14.06	228	100058	4.774	ng	95
83) Chrysene	14.09	228	90678	4.402	ng	98
86) Indeno(1,2,3-cd)pyrene	17.06	276	35286	2.015	ng	# 85
88) Benzo(b)fluoranthene	15.12	252	91351m	5.980	ng	
89) Benzo(k)fluoranthene	15.14	252	34816m	2.394	ng	
90) Benzo(a)pyrene	15.50	252	65139	4.694	ng	98
92) Benzo(a,h,i)perylene	17.52	276	35932	3.028	ng	# 87

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

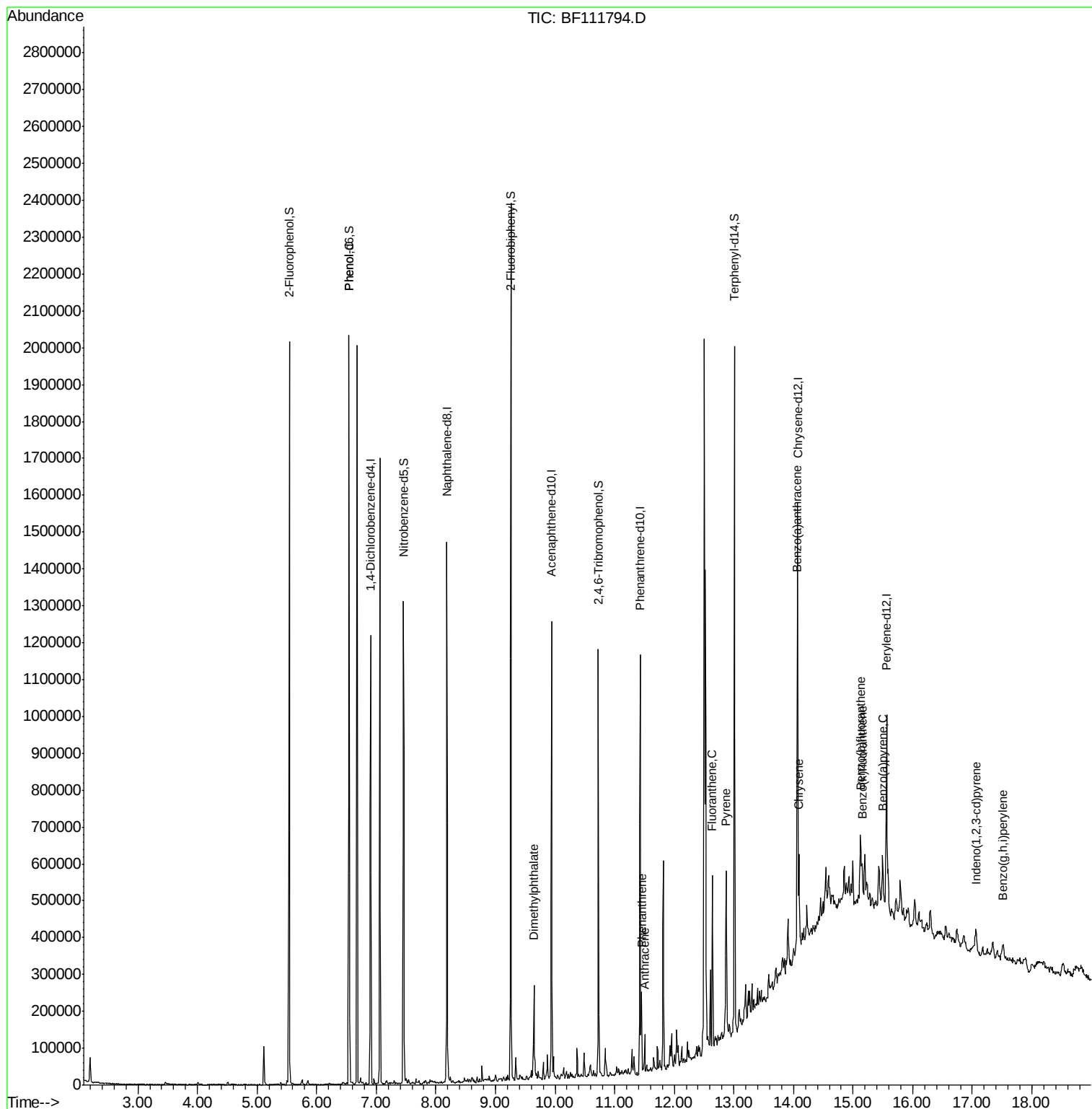
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
Data File : BF111794.D
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Operator : JU/SJ
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#1

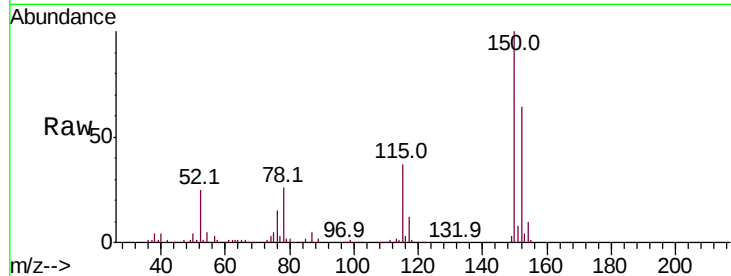
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.6	189.8
115	57.8	50.7	76.1

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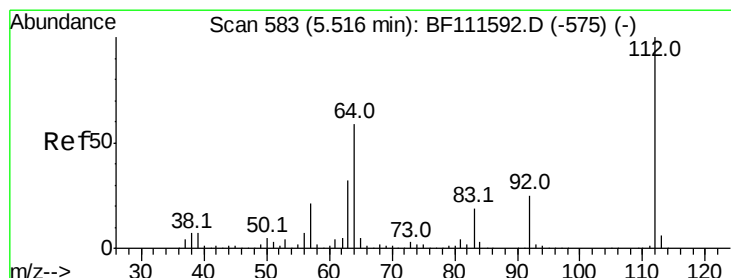
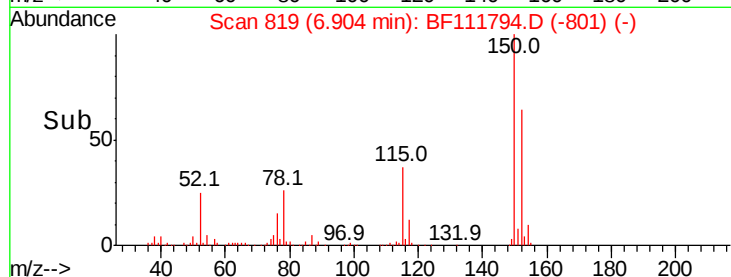
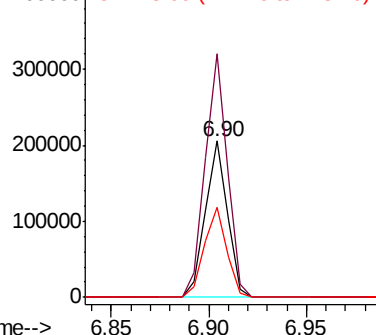


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

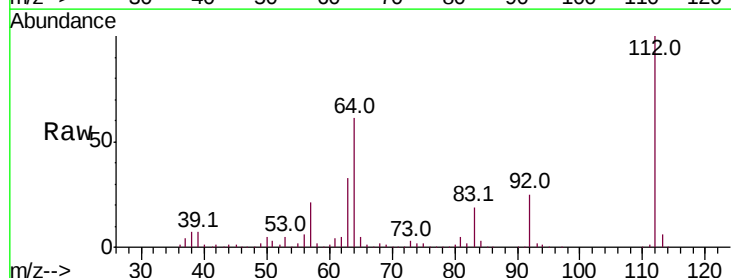
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.948 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	51.8	77.6
63	33.3	26.8	40.2

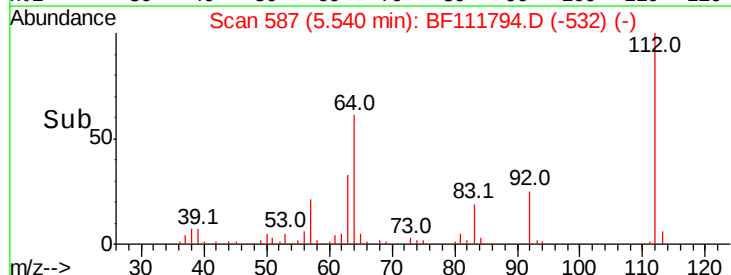
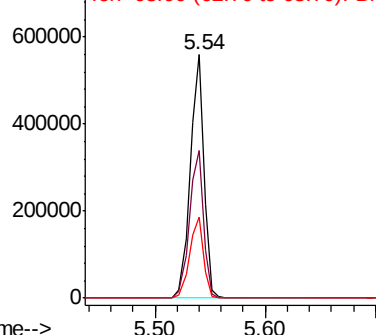


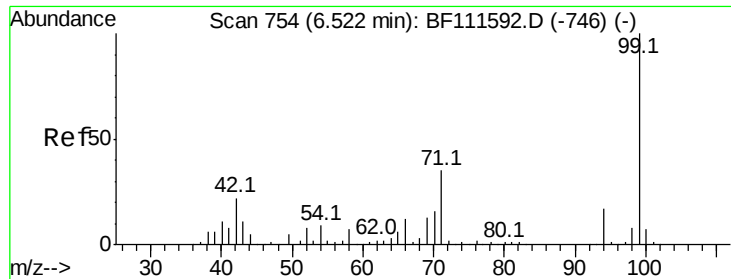
Abundance

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: 50.319 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111794.D

Acq: 28 Dec 2018 17:45

Instrument :

BNA_F

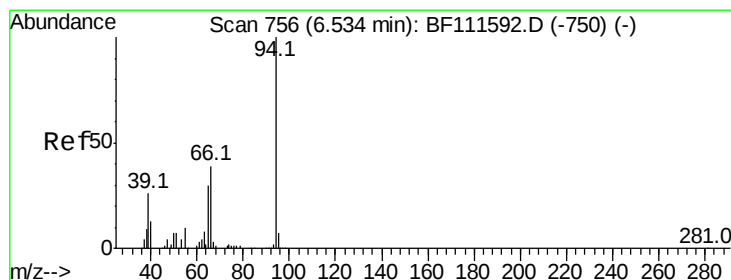
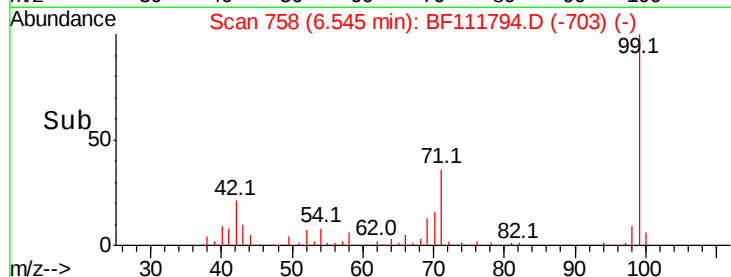
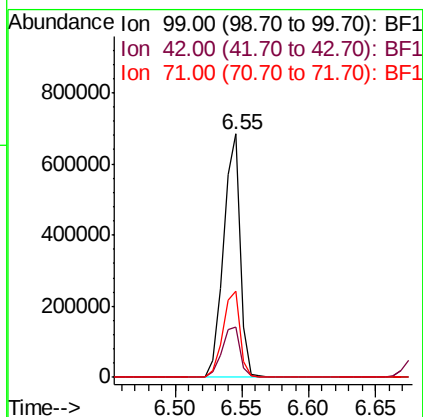
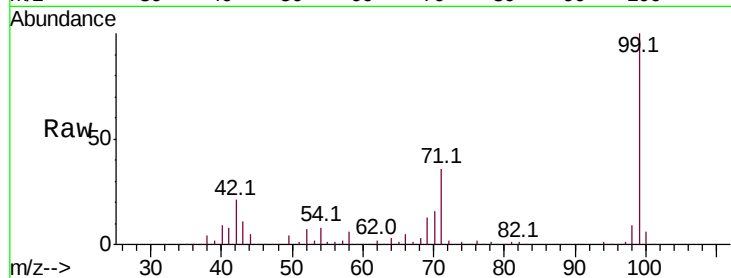
ClientSampleId :

CL-02-122718-D

Tot Ion:	99	Resp:	606461
Ion Ratio	Lower	Upper	
99	100		
42	20.9	17.4	26.0
71	35.5	26.1	39.1

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#10

Phenol

Concen: 3.028 ng

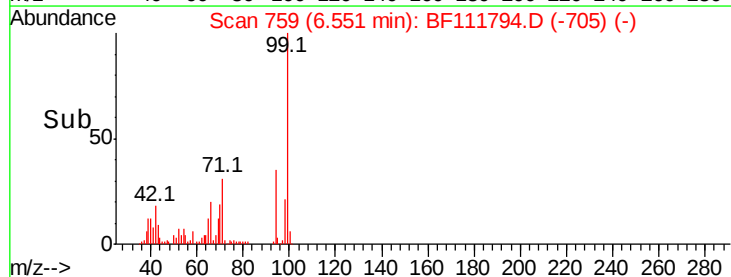
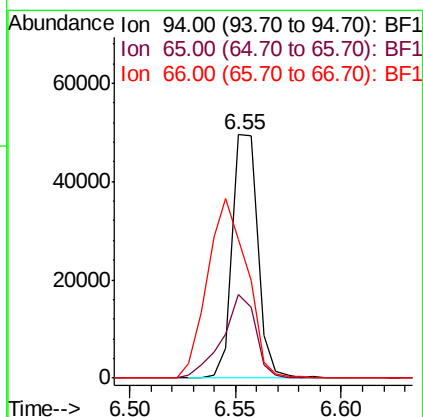
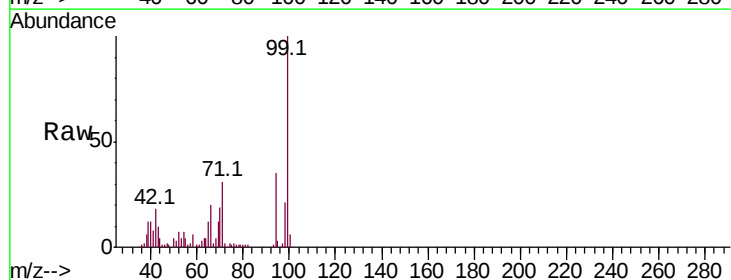
RT: 6.55 min Scan# 759

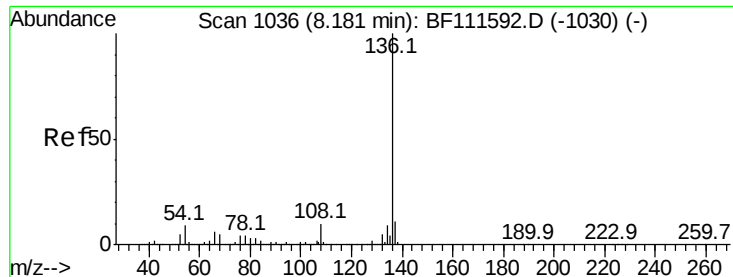
Delta R.T. 0.02 min

Lab File: BF111794.D

Acq: 28 Dec 2018 17:45

Tgt Ion:	94	Resp:	41172
Ion Ratio	Lower	Upper	
94	100		
65	34.4	11.7	51.7
66	57.1	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: BF111794.D

Acq: 28 Dec 2018 17:45

Instrument :

BNA_F

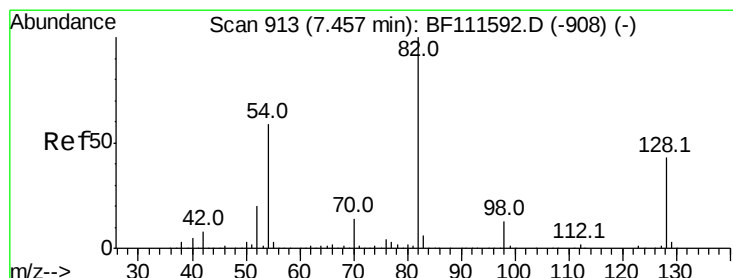
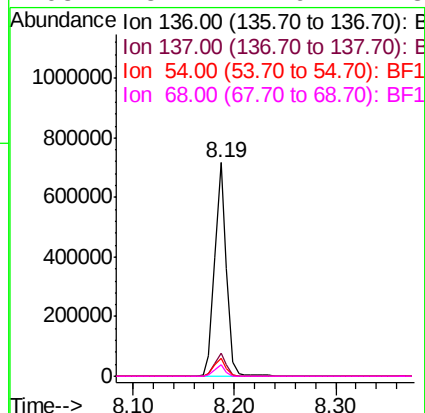
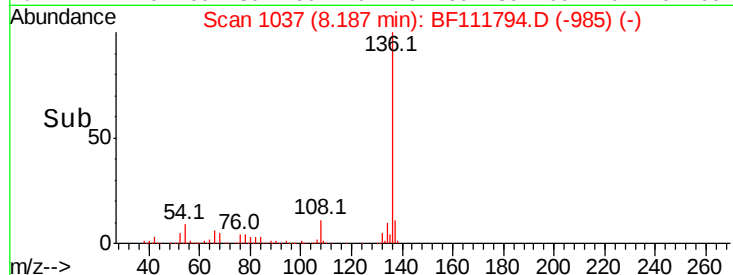
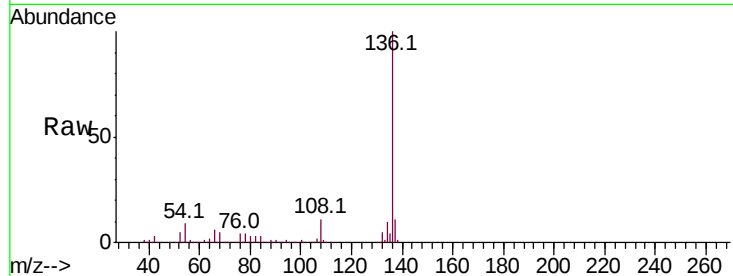
ClientSampleId :

CL-02-122718-D

Tot Ion	Ratio	Resp	Lower	Upper
136	100	574674		
137	10.9		9.1	13.7
54	8.5		7.7	11.5
68	5.4		4.9	7.3

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#23

Nitrobenzene-d5

Concen: 38.011 ng

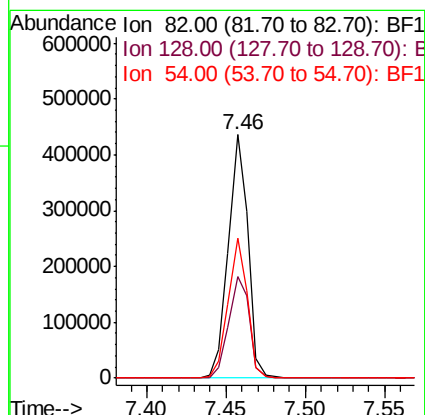
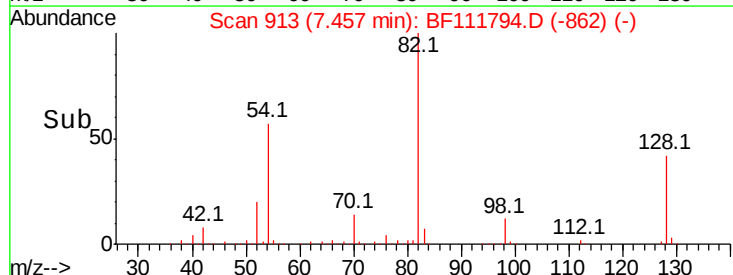
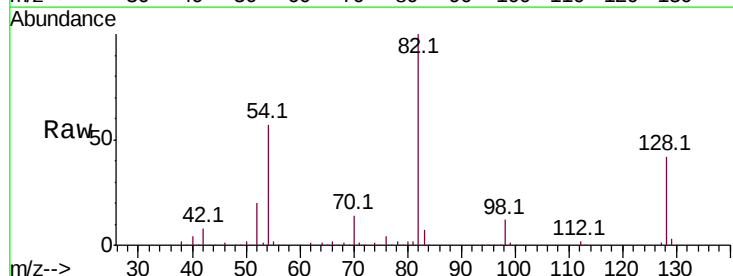
RT: 7.46 min Scan# 913

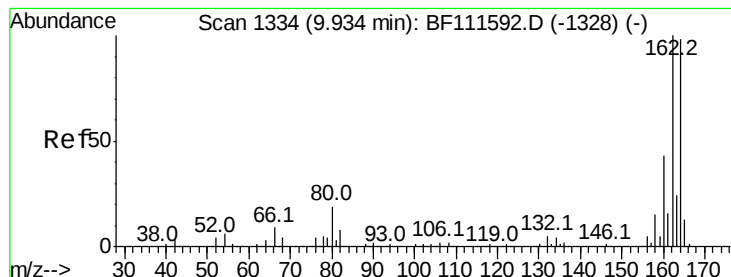
Delta R.T. -0.00 min

Lab File: BF111794.D

Acq: 28 Dec 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	375276		
128	41.7		37.4	56.2
54	57.3		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: BF111794.D

Acq: 28 Dec 2018 17:45

Instrument :

BNA_F

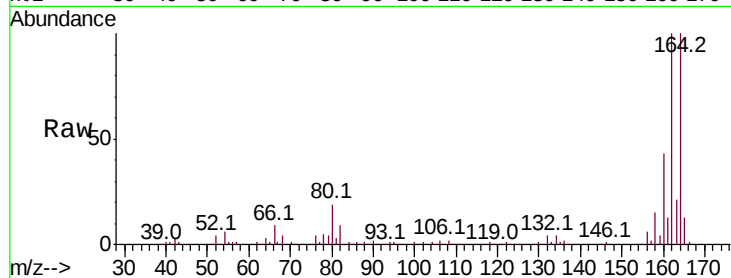
ClientSampleId :

CL-02-122718-D

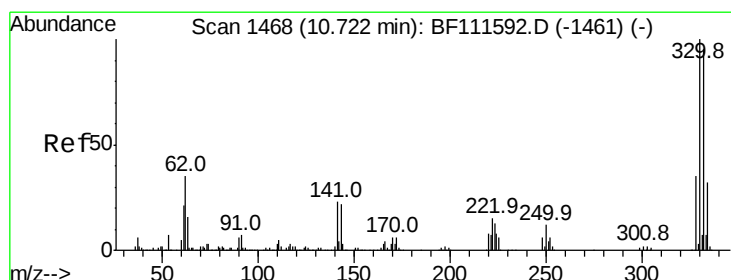
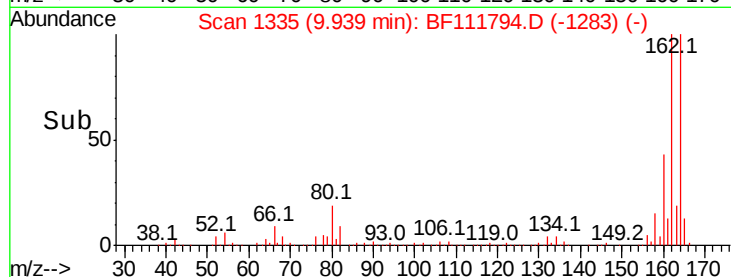
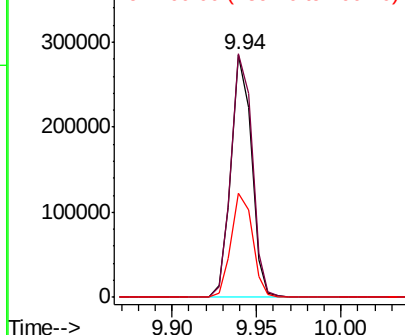
Tot Ion:	164	Resp:	240989
Ion Ratio	Lower	Upper	
164	100		
162	100.3	81.4	122.0
160	43.0	35.7	53.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 44.947 ng

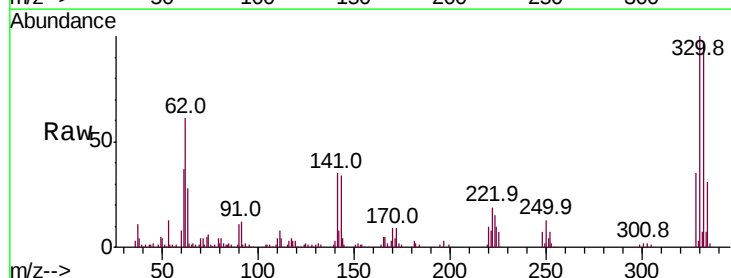
RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

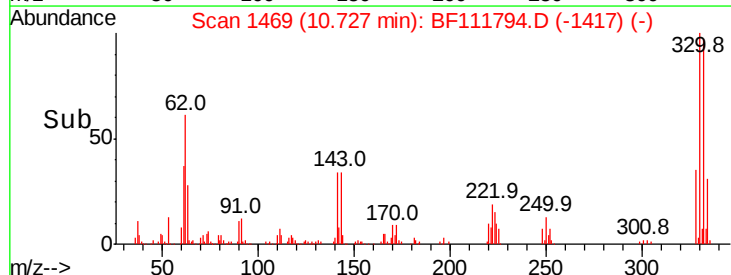
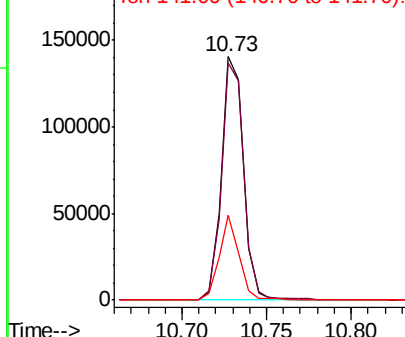
Lab File: BF111794.D

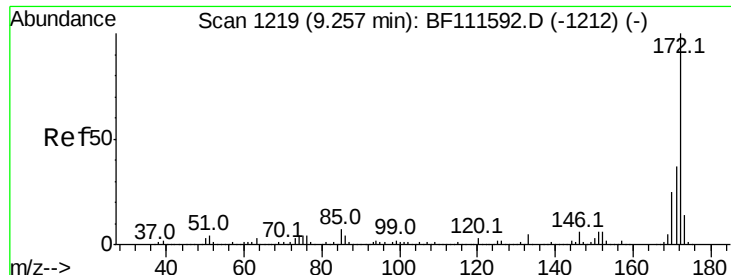
Acq: 28 Dec 2018 17:45

Tgt Ion:	330	Resp:	127985
Ion Ratio	Lower	Upper	
330	100		
332	98.2	76.0	114.0
141	31.7	31.0	46.6



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





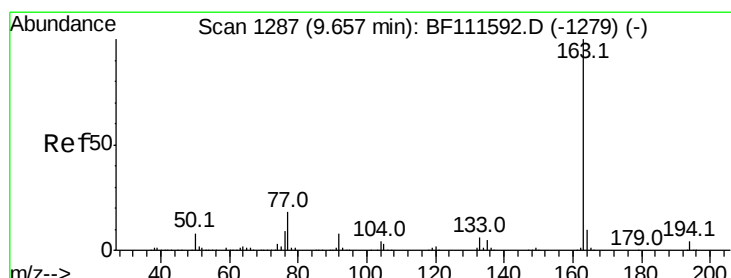
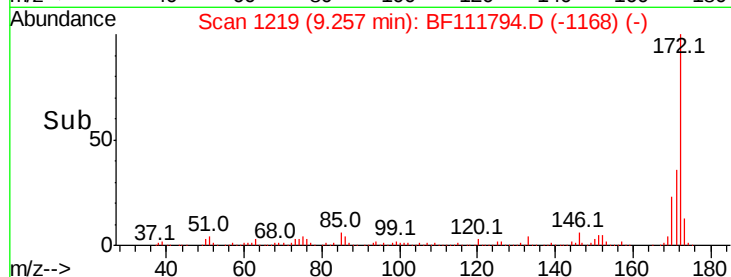
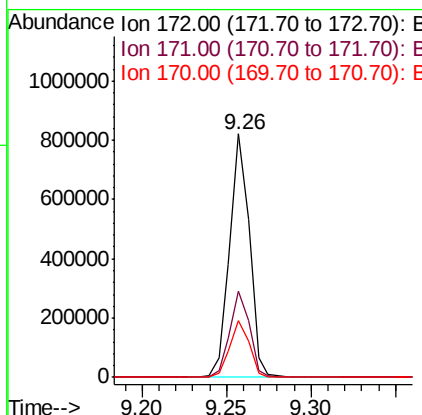
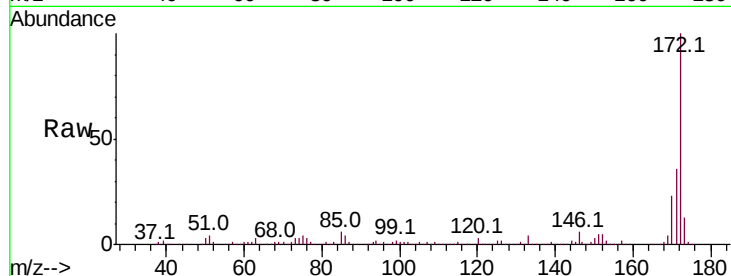
#45
2-Fluorobiphenyl
Concen: 40.346 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

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

Tot Ion	Ratio	Resp	Lower	Upper
172	100	667056		
171	35.6		33.0	49.4
170	23.4		22.3	33.5

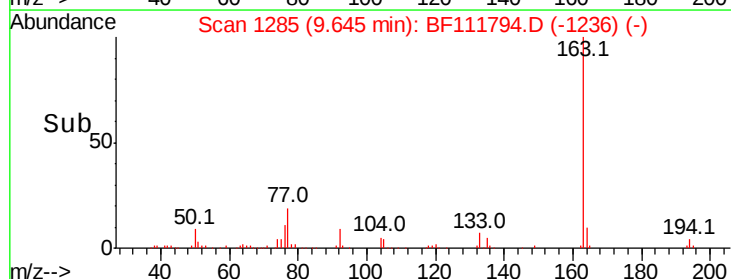
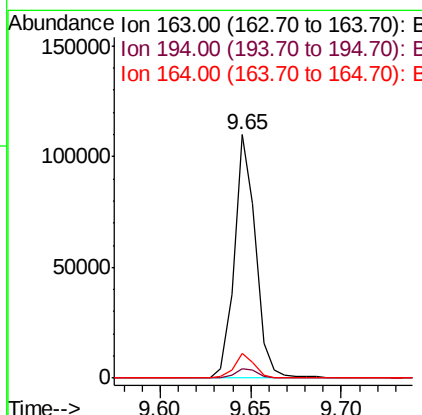
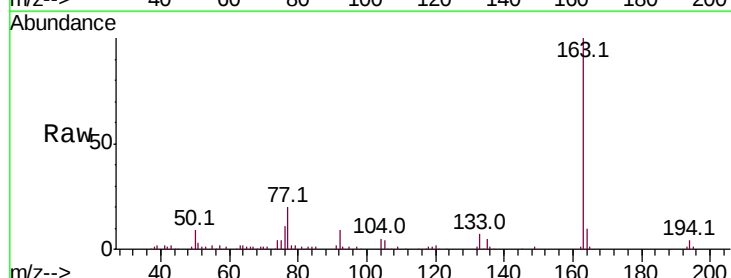
Manual Integrations
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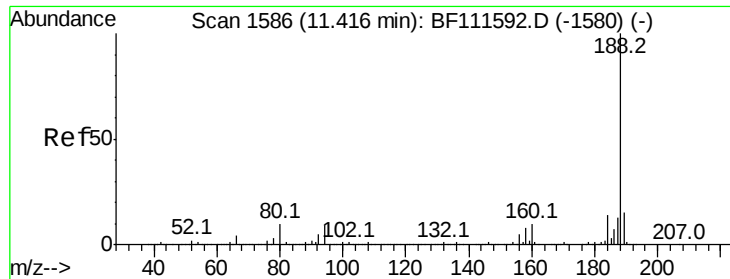
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#50
Dimethylphthalate
Concen: 5.096 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	89801		
194	3.7		3.0	4.6
164	10.2		8.9	13.3





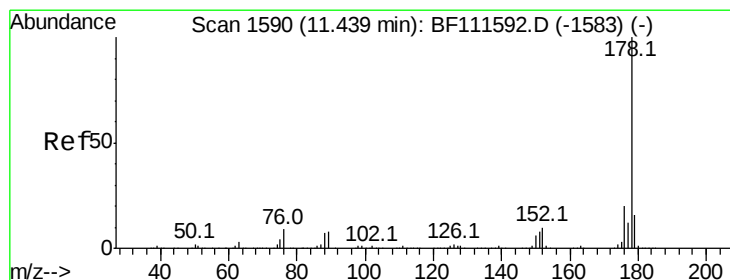
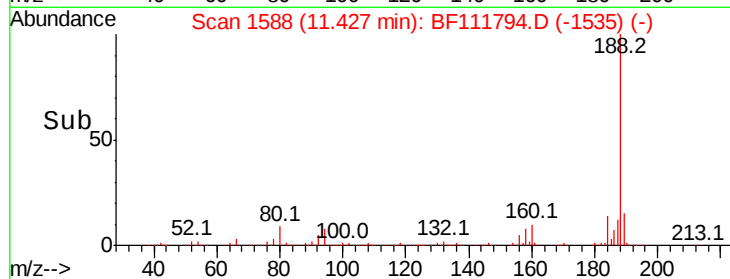
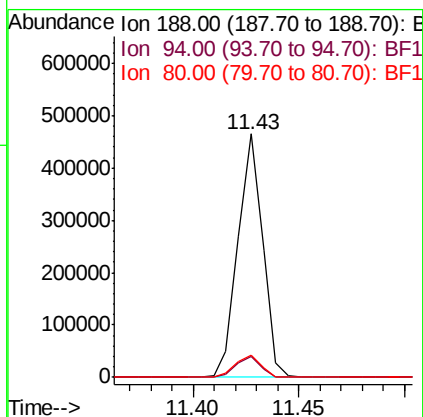
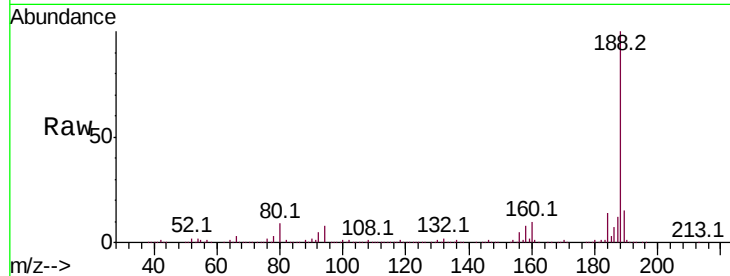
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.4	9.6	14.4#
80	9.1	9.8	14.6#

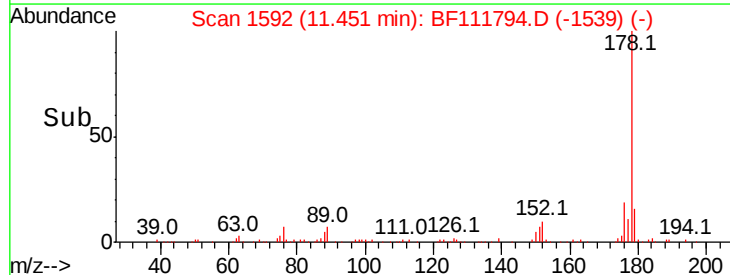
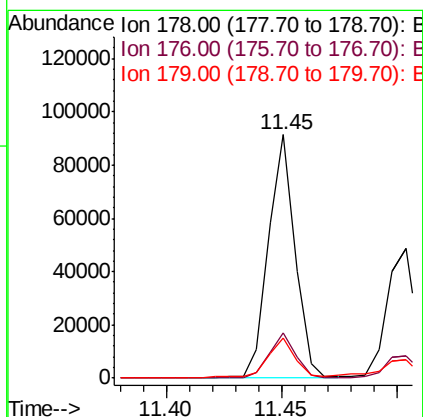
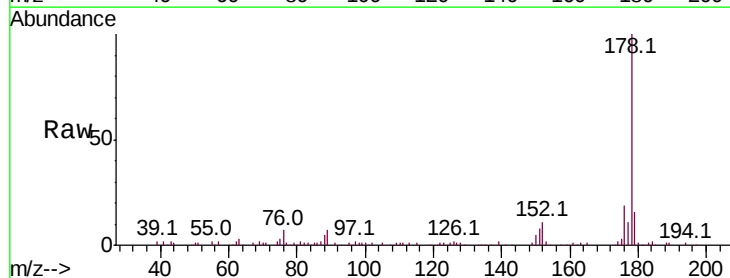
Manual Integrations
APPROVED

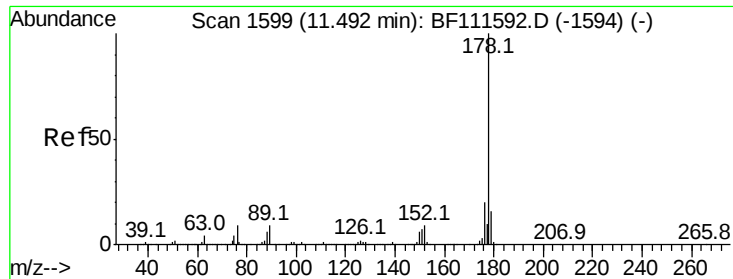
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#71
Phenanthrene
Concen: 3.706 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	18.1	27.1
179	16.5	14.0	21.0





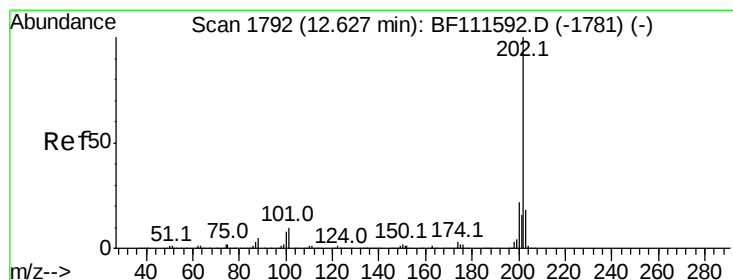
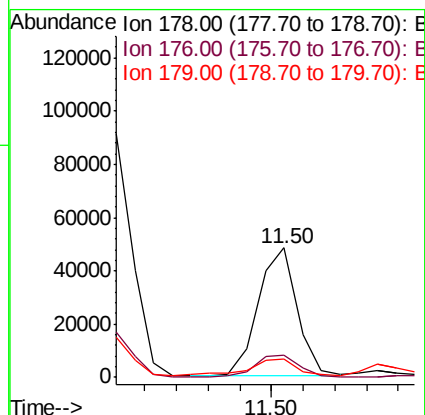
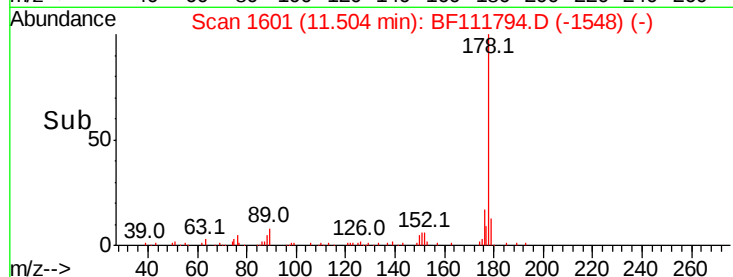
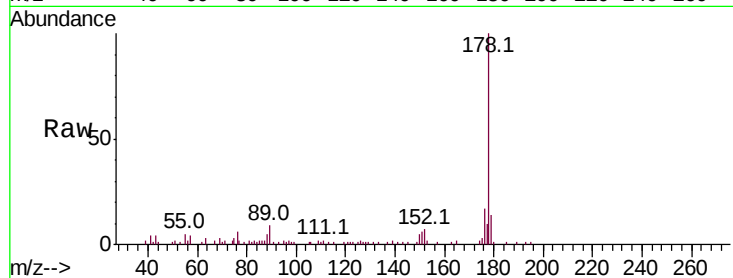
#72
 Anthracene
 Concen: 2.072 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF111794.D
 Acq: 28 Dec 2018 17:45

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	17.2	25.8
179	13.9	13.8	20.8

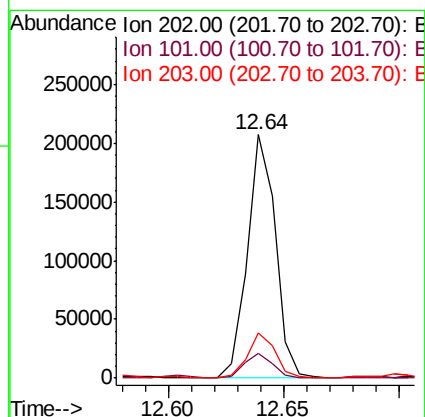
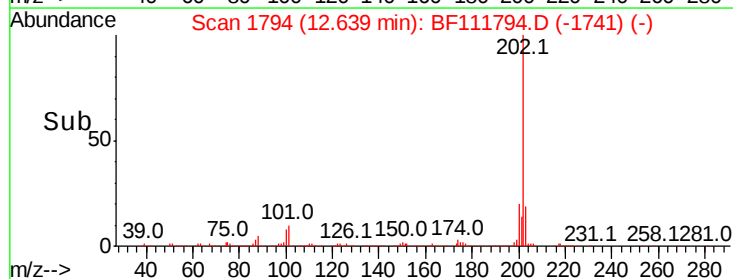
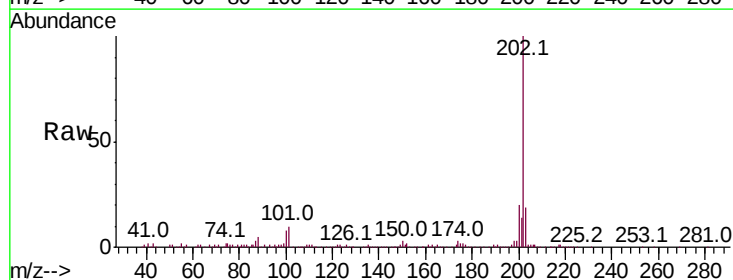
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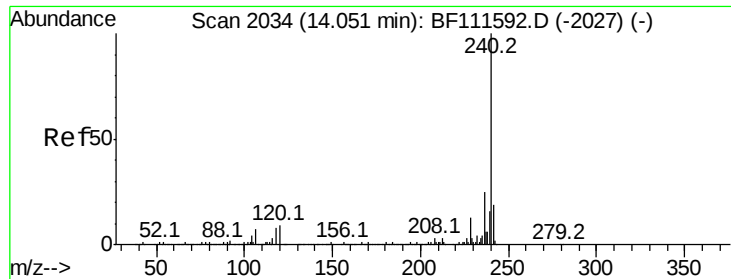
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#75
 Fluoranthene
 Concen: 8.695 ng
 RT: 12.64 min Scan# 1794
 Delta R.T. 0.01 min
 Lab File: BF111794.D
 Acq: 28 Dec 2018 17:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	33.8
203	18.6	0.0	38.6





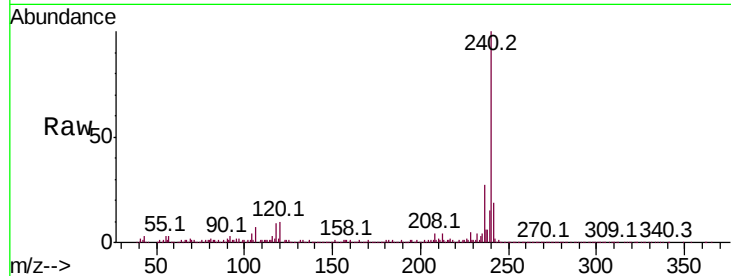
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	12.2	18.2#
236	26.5	20.2	30.2

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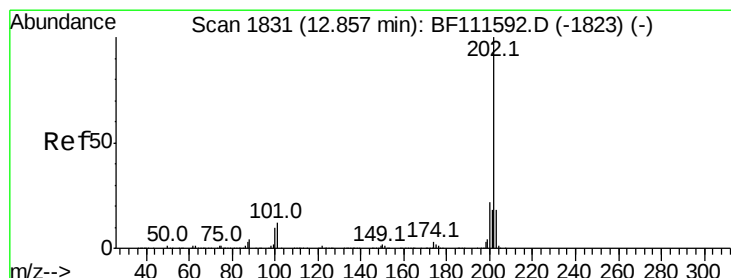
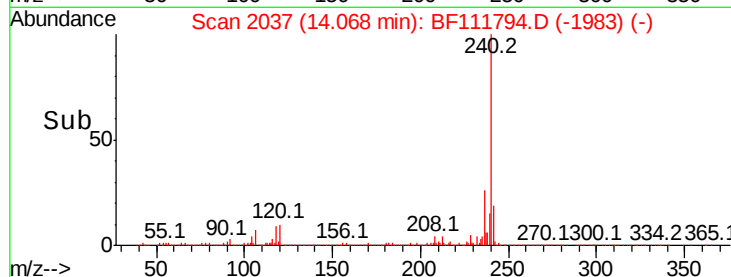
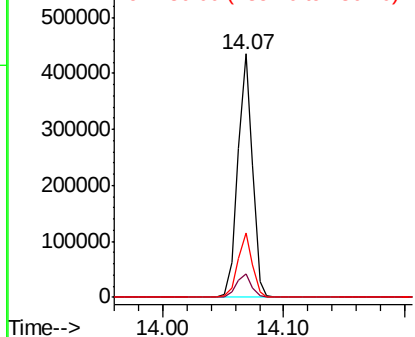


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 7.003 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

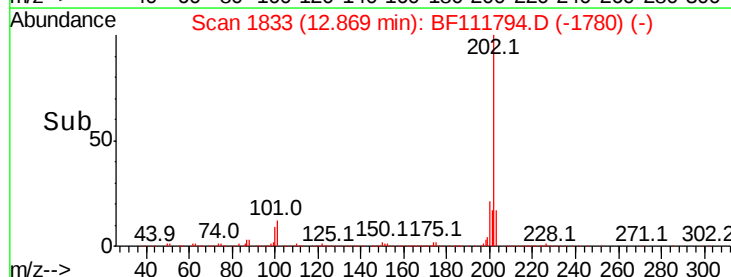
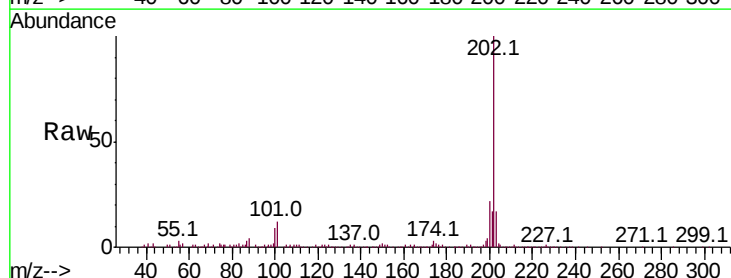
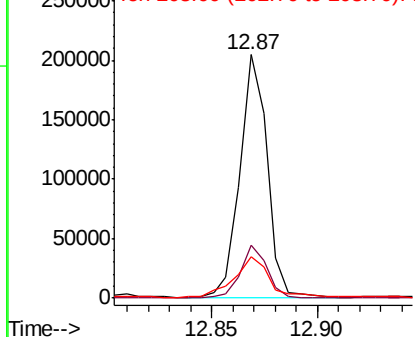
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	19.0	28.4
203	17.1	15.2	22.8

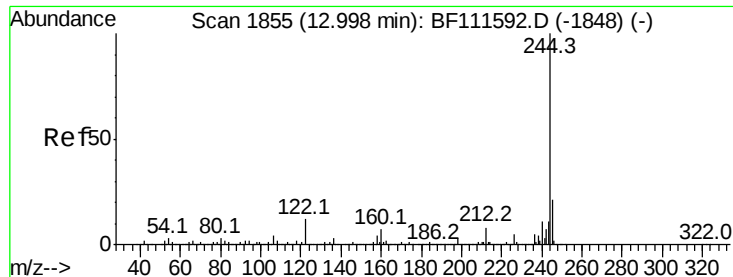
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 29.497 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF111794.D

Acq: 28 Dec 2018 17:45

Instrument :

BNA_F

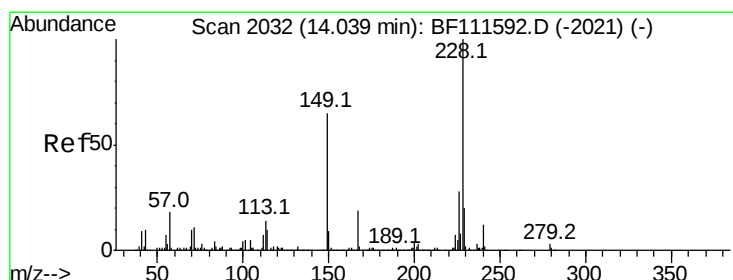
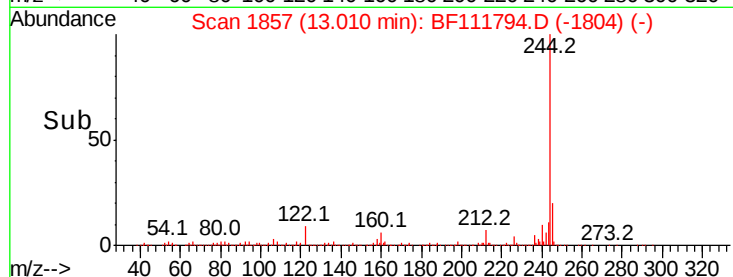
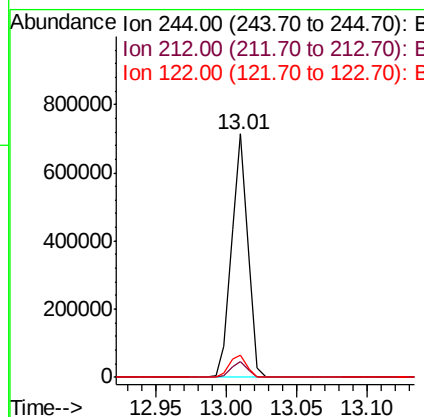
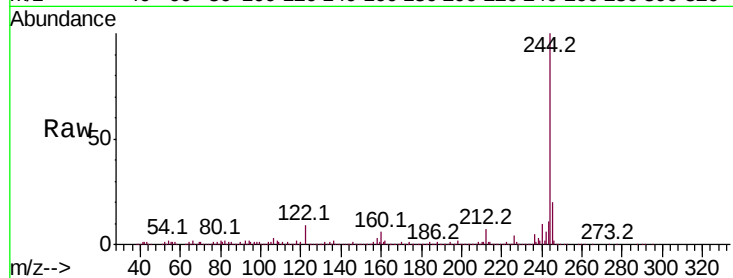
ClientSampleId :

CL-02-122718-D

Tot Ion:	244	Resp:	571247
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.7	8.5
122	9.4	13.1	19.7

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#81

Benzo(a)anthracene

Concen: 4.774 ng

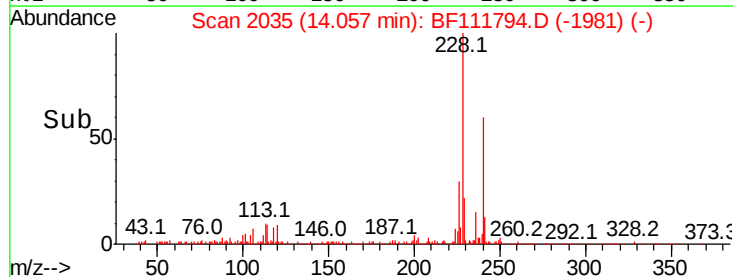
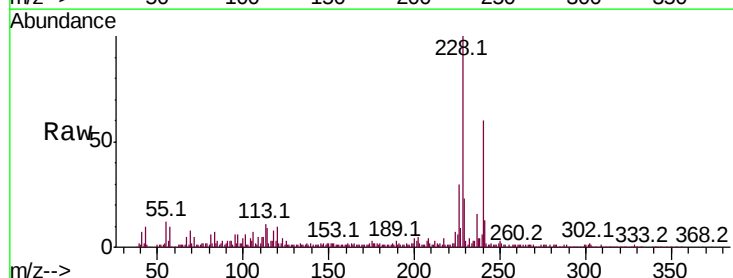
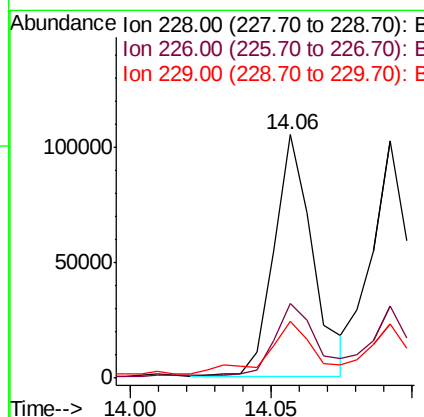
RT: 14.06 min Scan# 2035

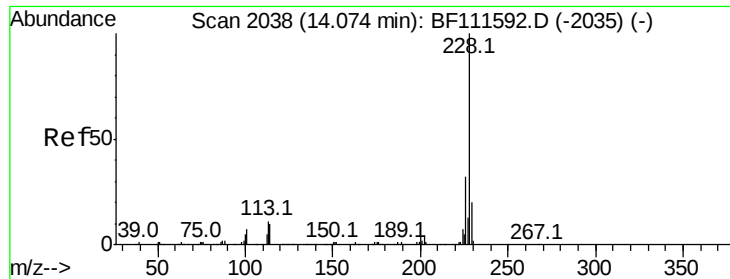
Delta R.T. 0.02 min

Lab File: BF111794.D

Acq: 28 Dec 2018 17:45

Tgt Ion:	228	Resp:	100058
Ion Ratio		Lower	Upper
228	100		
226	30.5	22.6	34.0
229	23.2	16.3	24.5





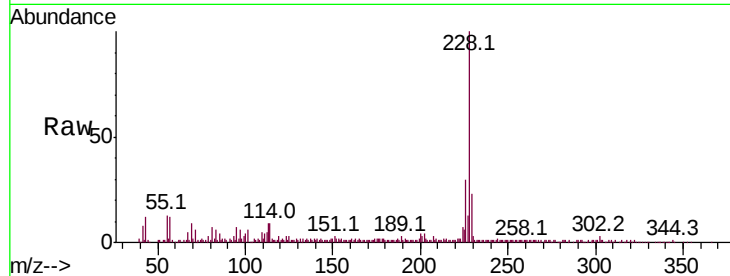
#83
Chrysene
Concen: 4.402 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

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

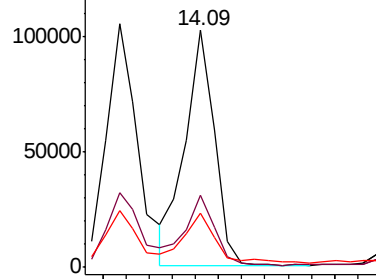
Tot Ion:228	Resp:	90678
Ion Ratio	Lower	Upper
228 100		
226 30.4	25.3	37.9
229 22.7	17.2	25.8

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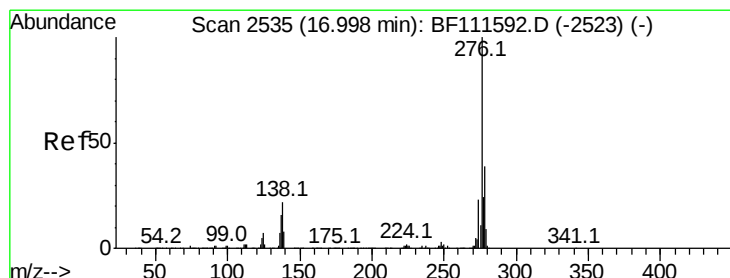
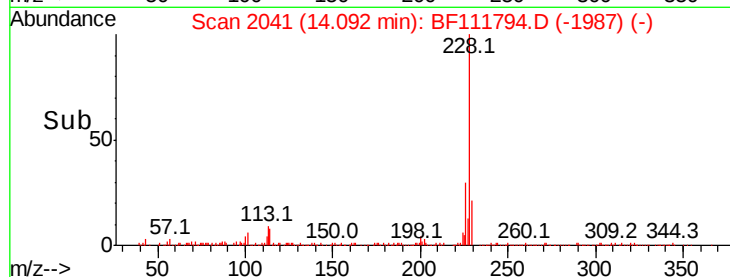
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

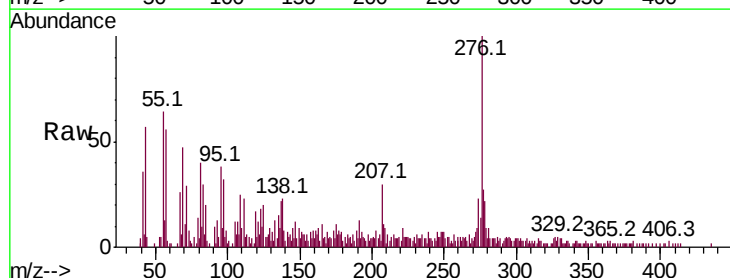


Time--> 14.05 14.10 14.15

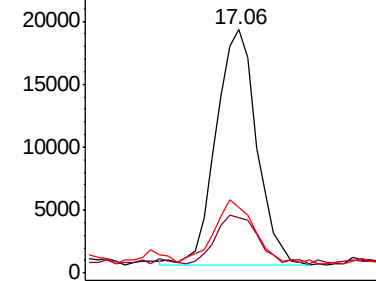


#86
Indeno(1,2,3-cd)pyrene
Concen: 2.015 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.06 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

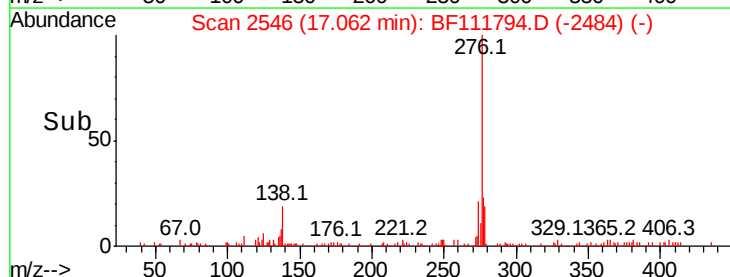
Tgt Ion:276	Resp:	35286
Ion Ratio	Lower	Upper
276 100		
138 21.9	27.8	41.6#
277 27.7	20.1	30.1

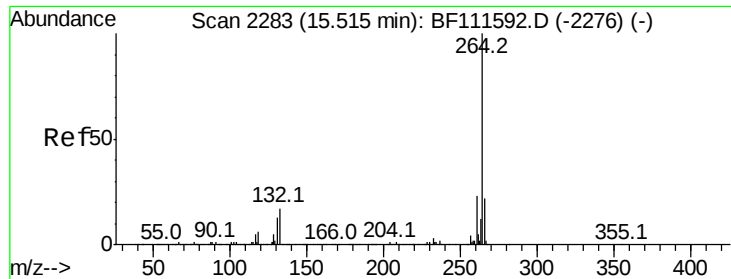


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time--> 17.00 17.05 17.10





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. 0.05 min

Lab File: BF111794.D

Acq: 28 Dec 2018 17:45

Instrument :

BNA_F

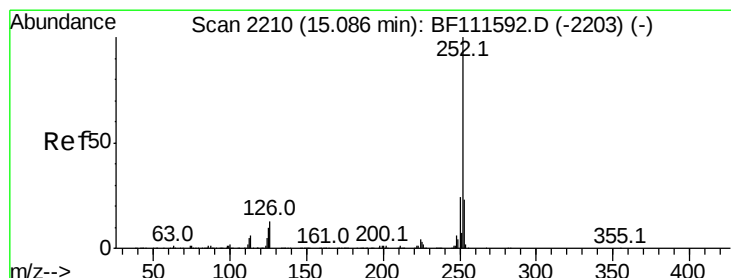
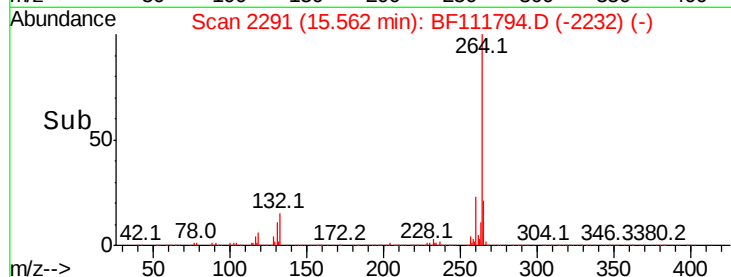
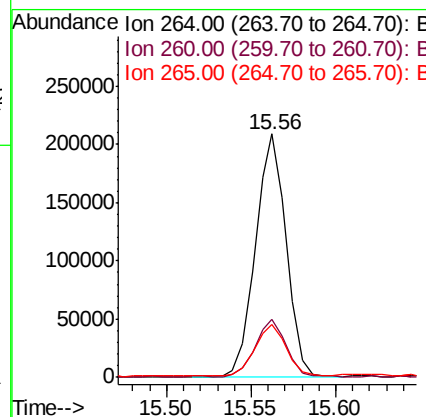
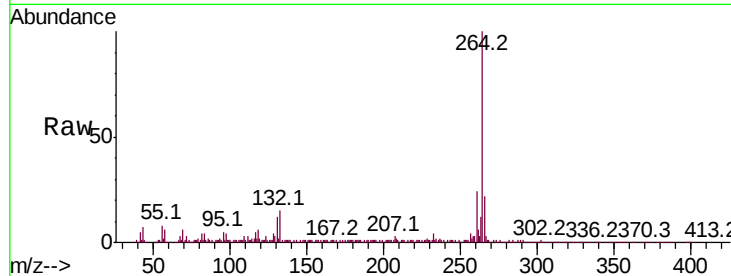
ClientSampleId :

CL-02-122718-D

Tot Ion:	264	Resp:	261367
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.3	27.5
265	21.9	17.7	26.5

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#88

Benzo(b)fluoranthene

Concen: 5.980 ng m

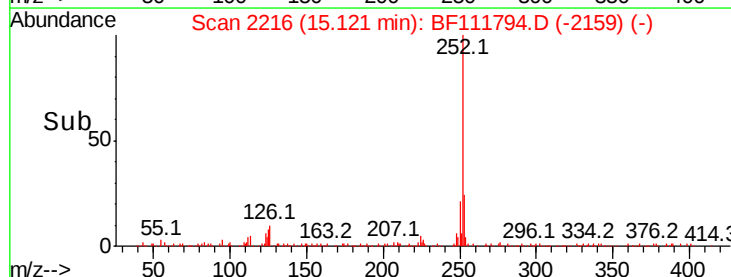
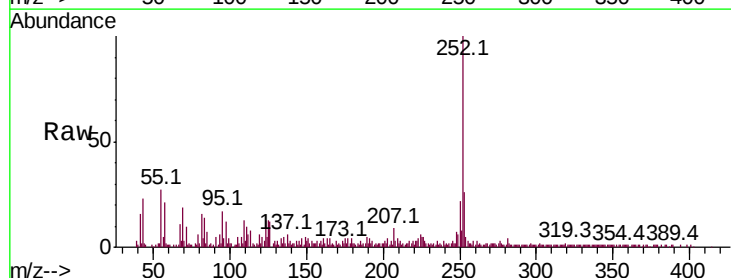
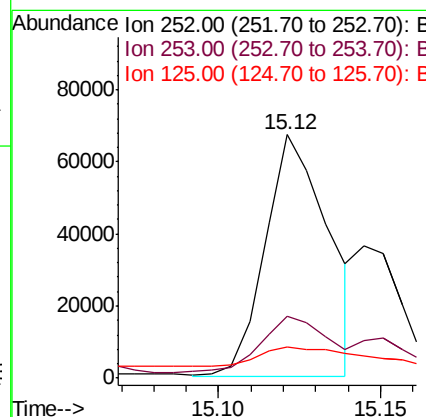
RT: 15.12 min Scan# 2216

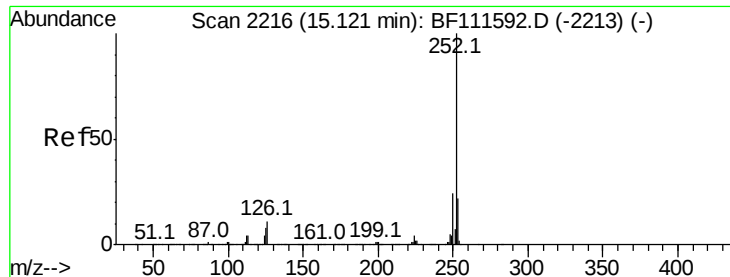
Delta R.T. 0.04 min

Lab File: BF111794.D

Acq: 28 Dec 2018 17:45

Tgt Ion:	252	Resp:	91351
Ion Ratio	Lower	Upper	
252	100		
253	25.6	18.2	27.2
125	13.0	10.4	15.6





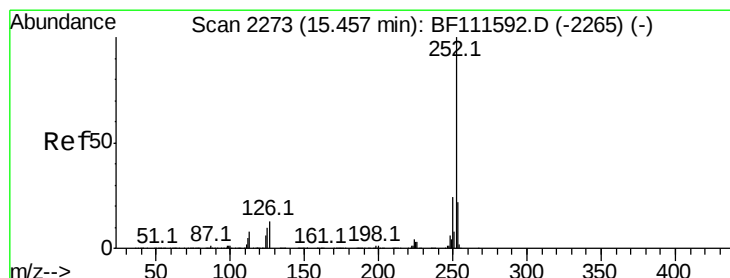
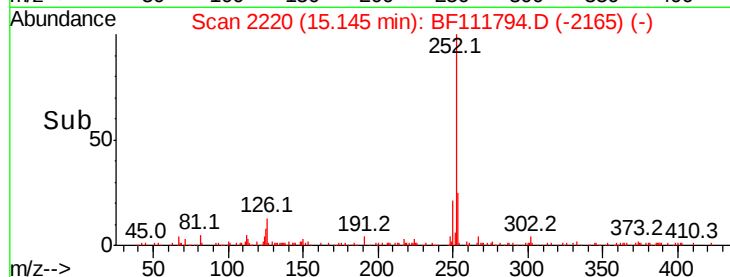
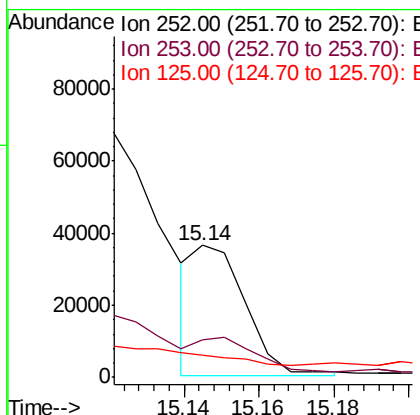
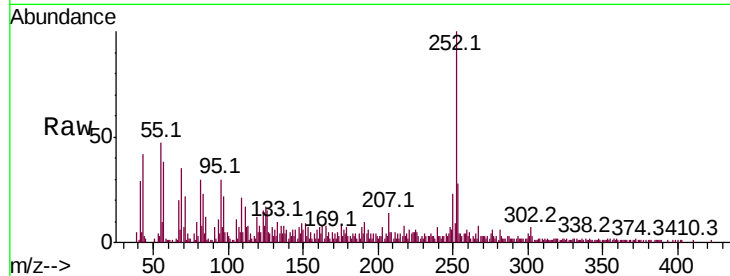
#89
Benzo(k)fluoranthene
Concen: 2.394 ng m
RT: 15.14 min Scan# 2220
Delta R.T. 0.02 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.1	27.1#
125	17.1	9.8	14.8#

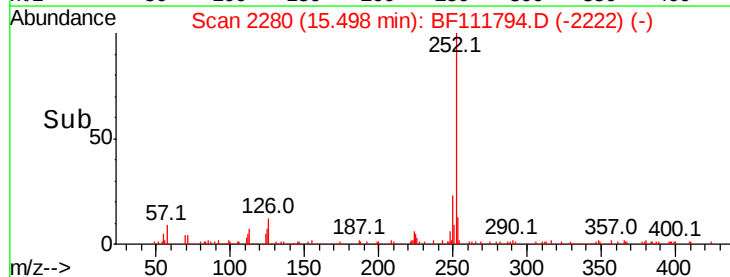
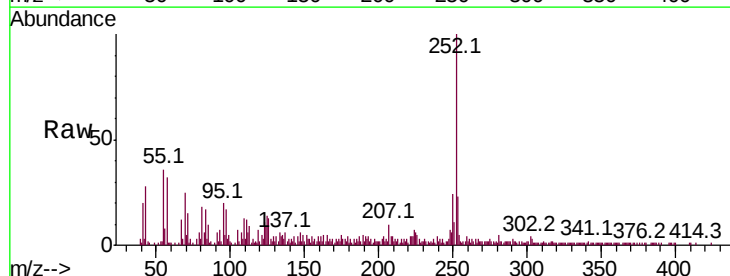
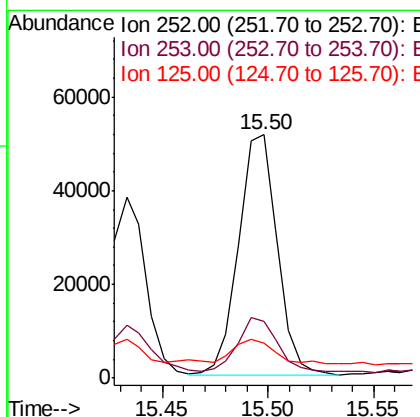
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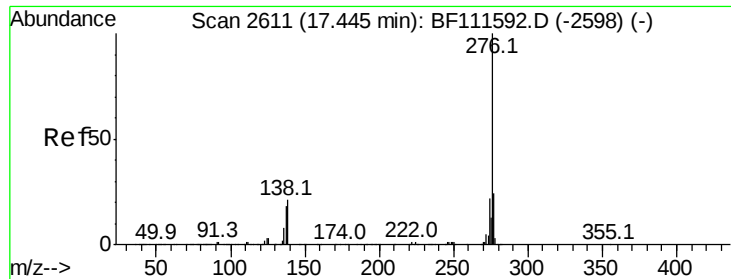
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#90
Benzo(a)pyrene
Concen: 4.694 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.04 min
Lab File: BF111794.D
Acq: 28 Dec 2018 17:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	14.4	12.3	18.5





#92
 Benzo(a,h,i)perylene
 Concen: 3.028 ng
 RT: 17.52 min Scan# 2624
 Delta R.T. 0.08 min
 Lab File: BF111794.D
 Acq: 28 Dec 2018 17:45

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.2	28.8
138	21.1	24.9	37.3

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