

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
 Data File : BF111791.D
 Acq On : 28 Dec 2018 16:23
 Operator : JU/SJ
 Sample : J6193-11 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
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 1/2/2019 2:51:34 PM

Quant Time: Dec 29 01:38:15 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	161471	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	593646	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	269677	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	420574	20.00	ng	0.01
76) Chrysene-d12	14.07	240	362130	20.00	ng	0.02
87) Perylene-d12	15.56	264	277181	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	196651	20.76	ng	0.02
7) Phenol-d6	6.54	99	247824	20.56	ng	0.02
23) Nitrobenzene-d5	7.46	82	152603	14.96	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	55176	17.32	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	275980	14.92	ng	0.00
79) Terphenyl-d14	13.00	244	219335	11.49	ng	0.00
Target Compounds						
71) Phenanthrene	11.45	178	58008	2.601	ng	96
75) Fluoranthene	12.64	202	89335	3.955	ng	94
78) Pyrene	12.87	202	85934	3.360	ng	95
83) Chrysene	14.09	228	42522	2.093	ng	96
88) Benzo(b)fluoranthene	15.12	252	45806m	2.828	ng	
90) Benzo(a)pyrene	15.49	252	31746	2.157	ng	# 91

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

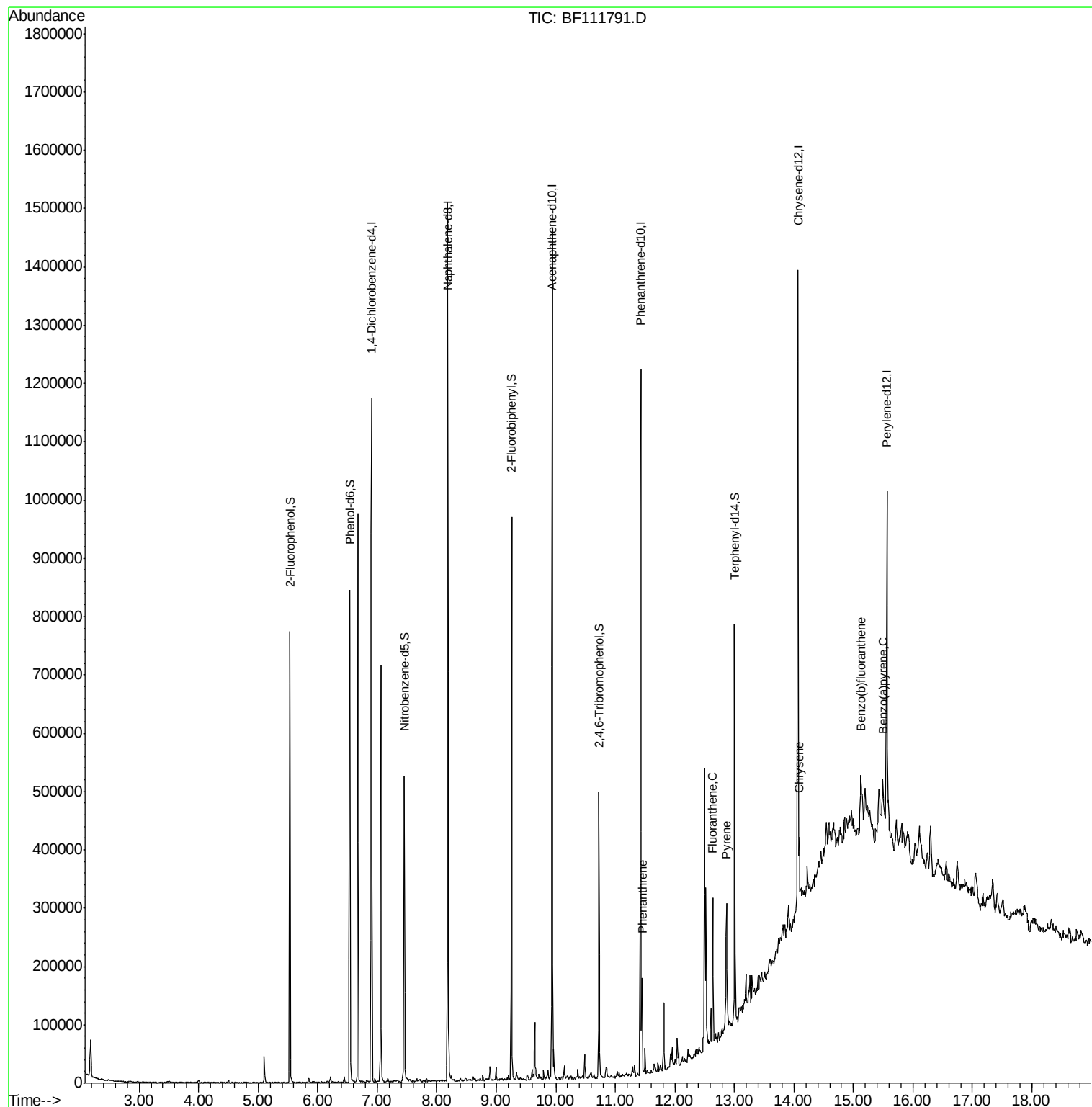
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122818\
Data File : BF111791.D
Acq On : 28 Dec 2018 16:23
Operator : JU/SJ
Sample : J6193-11 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

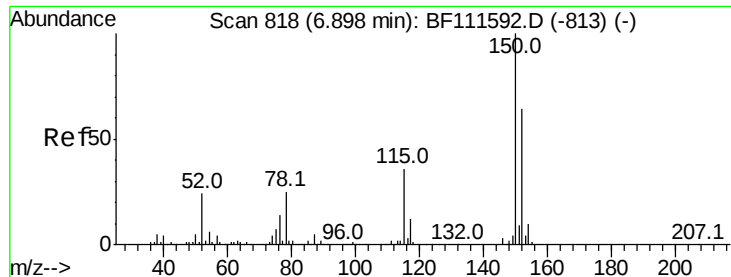
Instrument :
BNA_F
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CL-02-122718-A

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Quant Time: Dec 29 01:38:15 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
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#1

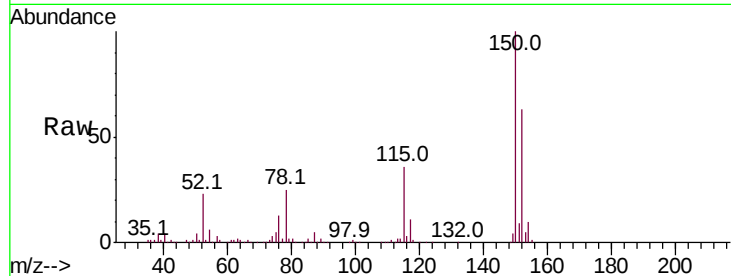
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.6	189.8
115	57.4	50.7	76.1

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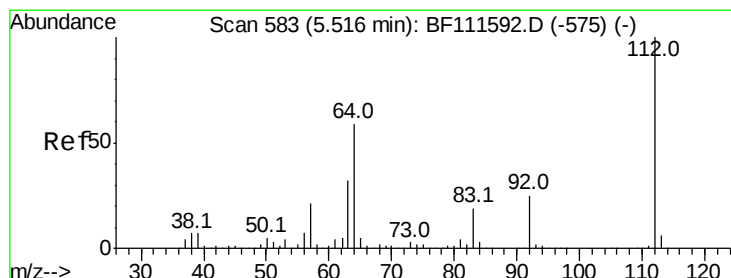
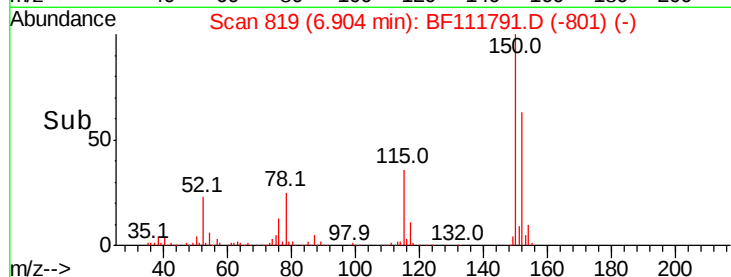
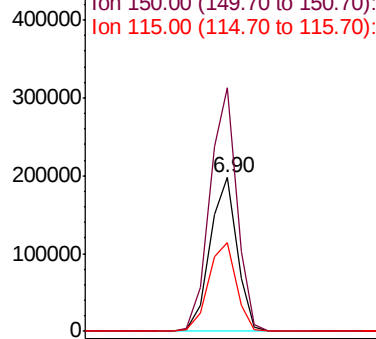


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

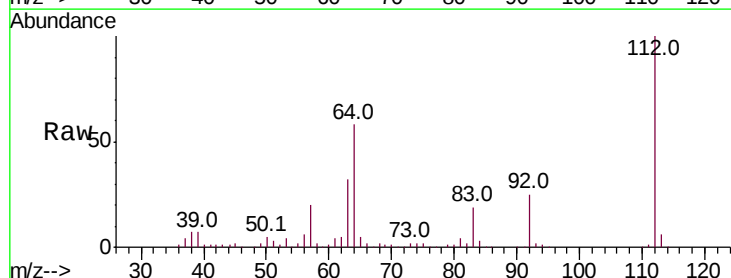
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.759 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	51.8	77.6
63	31.5	26.8	40.2

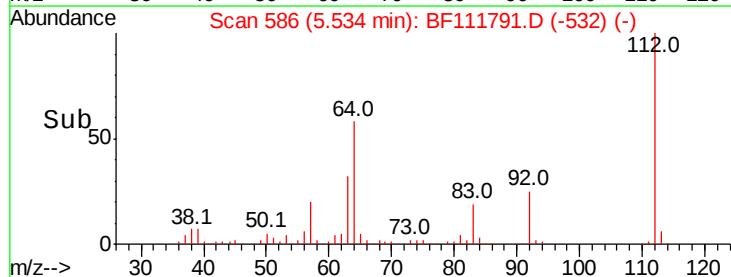
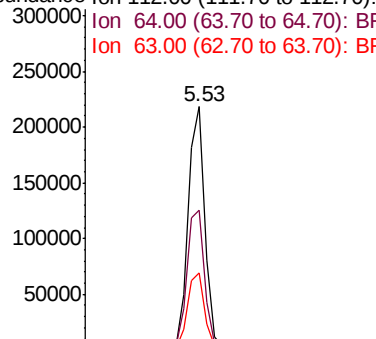


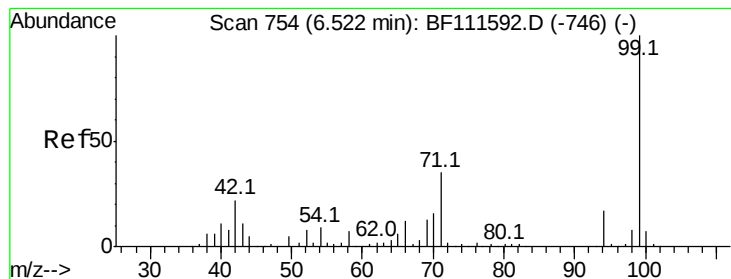
Abundance

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: 20.556 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111791.D

Acq: 28 Dec 2018 16:23

Instrument :

BNA_F

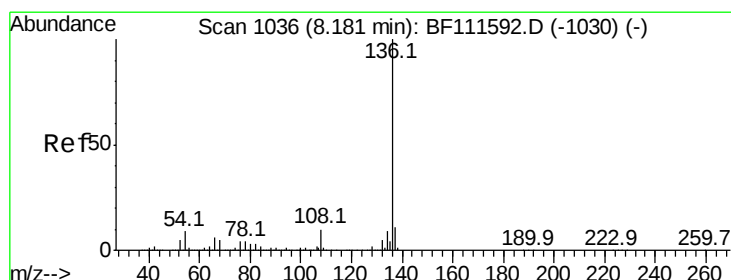
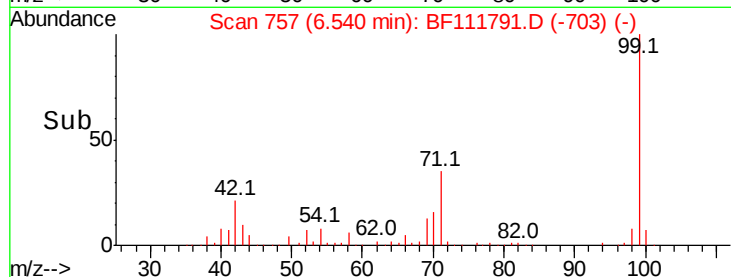
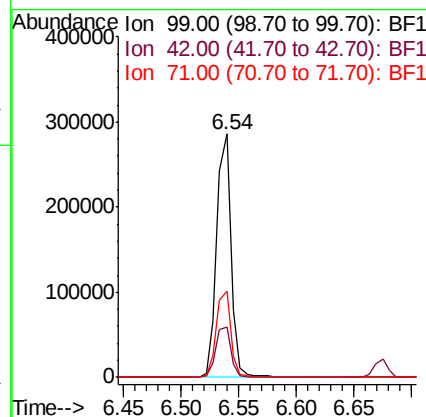
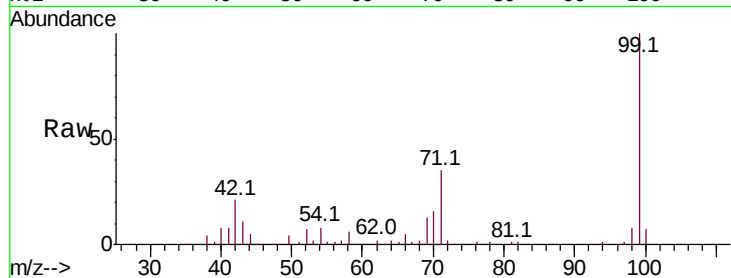
ClientSampleId :

CL-02-122718-A

Tot Ion	99	Resp	247824
Ion Ratio	Lower	Upper	
99	100		
42	20.7	17.4	26.0
71	35.5	26.1	39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

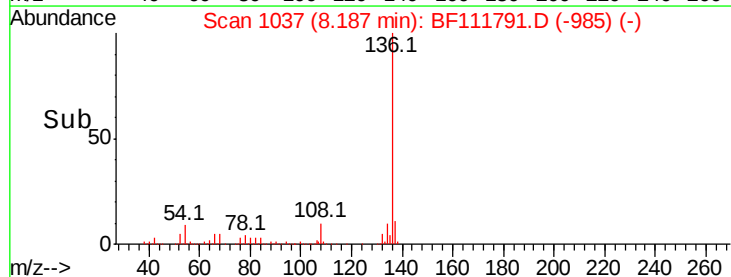
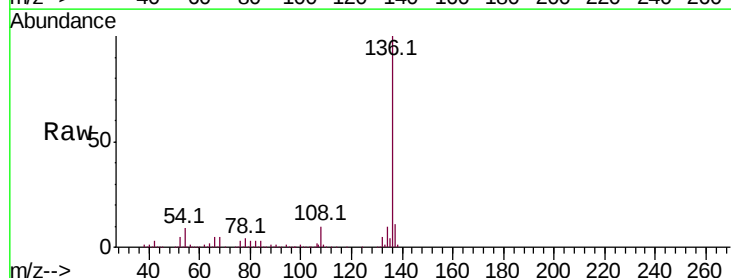
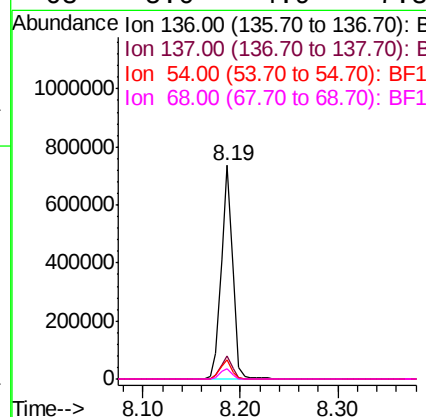
RT: 8.19 min Scan# 1037

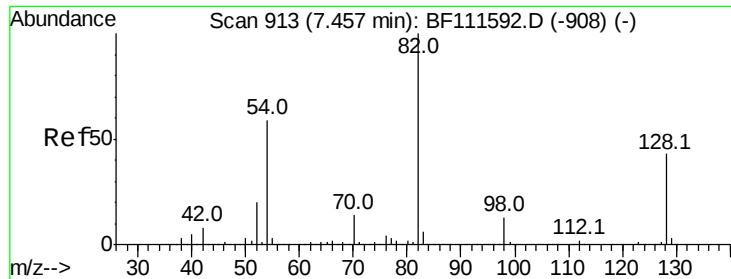
Delta R.T. 0.01 min

Lab File: BF111791.D

Acq: 28 Dec 2018 16:23

Tgt Ion	136	Resp	593646
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	8.7	7.7	11.5
68	5.0	4.9	7.3





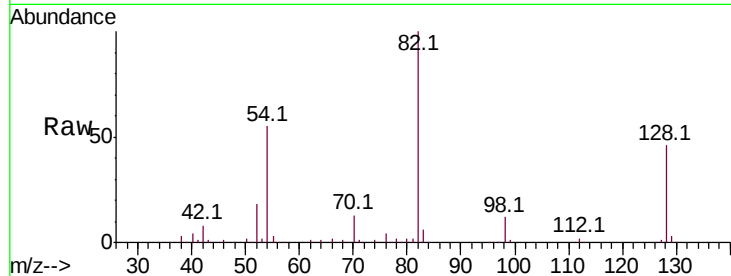
#23
Nitrobenzene-d5
Concen: 14.963 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

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

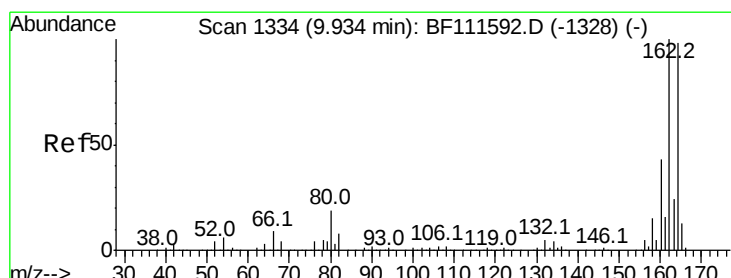
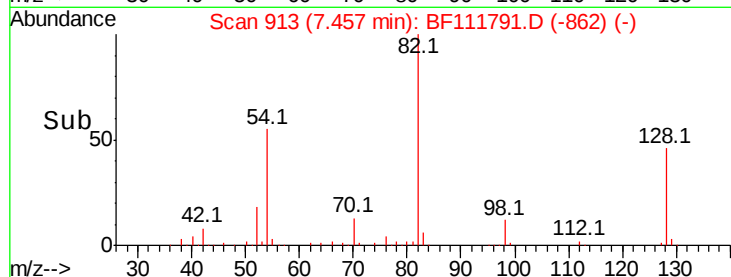
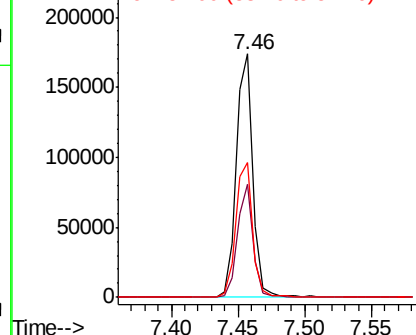
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.4	56.2
54	55.4	47.6	71.4

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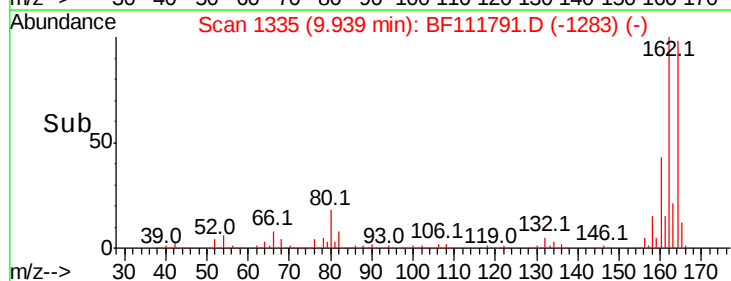
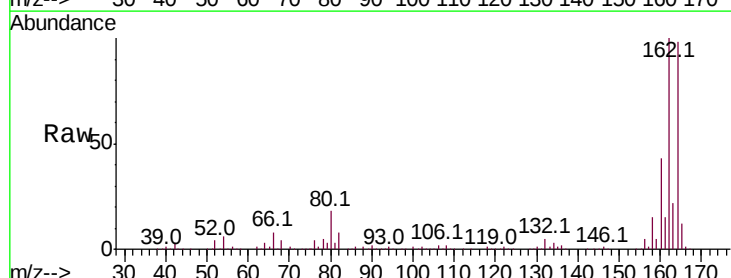
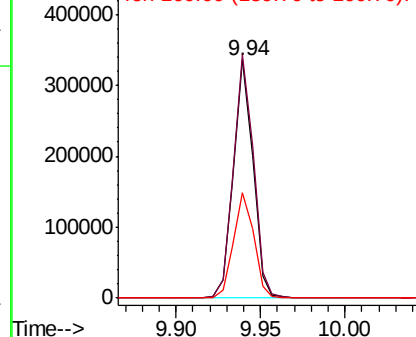
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

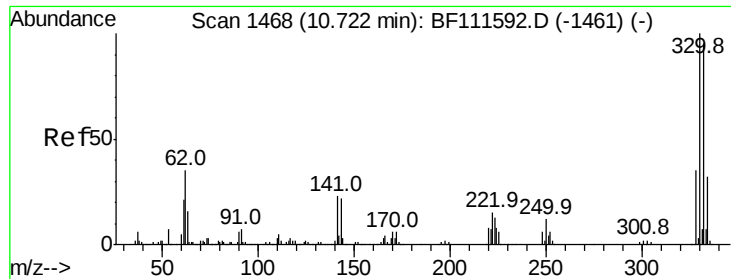


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.4	122.0
160	44.0	35.7	53.5

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: 17.316 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF111791.D

Acq: 28 Dec 2018 16:23

Instrument :

BNA_F

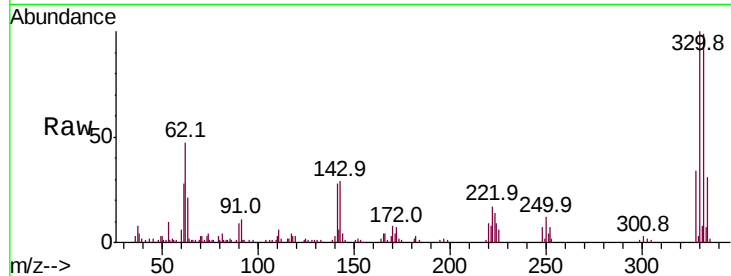
ClientSampleId :

CL-02-122718-A

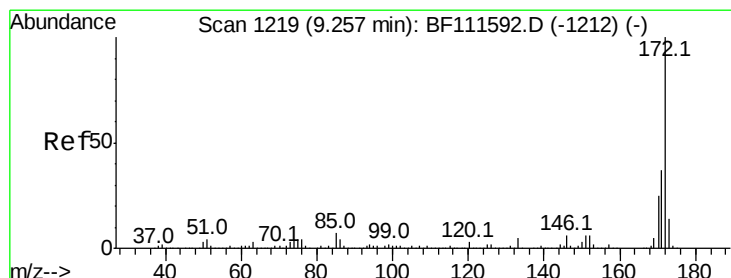
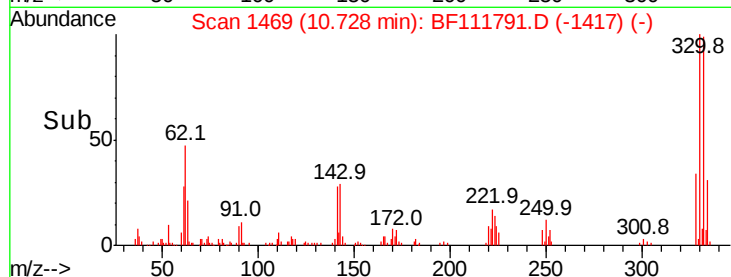
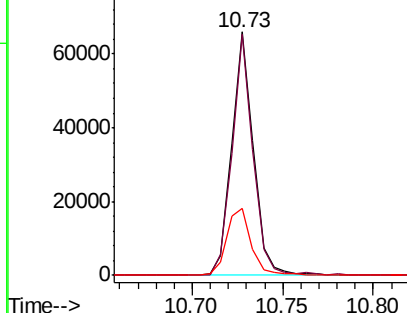
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	76.0	114.0	
141	30.7	31.0	46.6	

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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



#45

2-Fluorobiphenyl

Concen: 14.916 ng

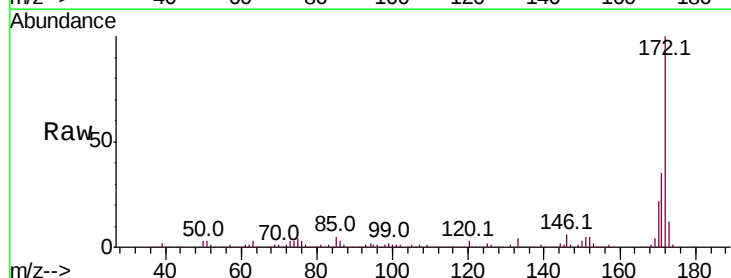
RT: 9.26 min Scan# 1219

Delta R.T. -0.00 min

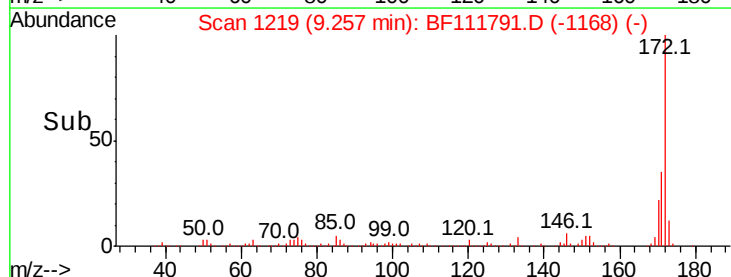
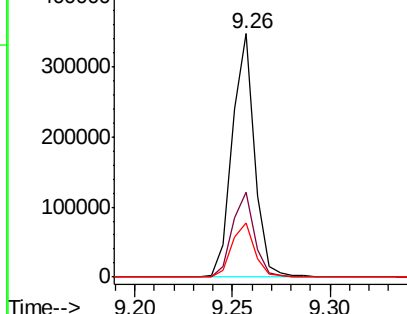
Lab File: BF111791.D

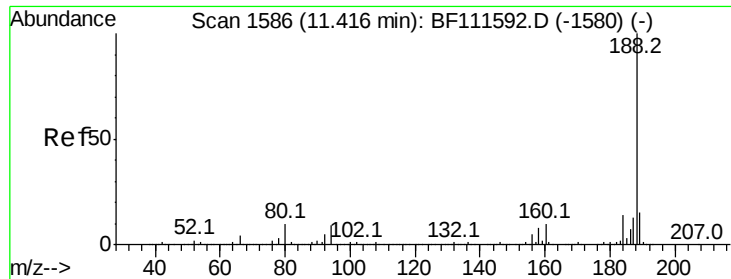
Acq: 28 Dec 2018 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.0	33.0	49.4	
170	22.1	22.3	33.5	



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF111791.D

Acq: 28 Dec 2018 16:23

Instrument :

BNA_F

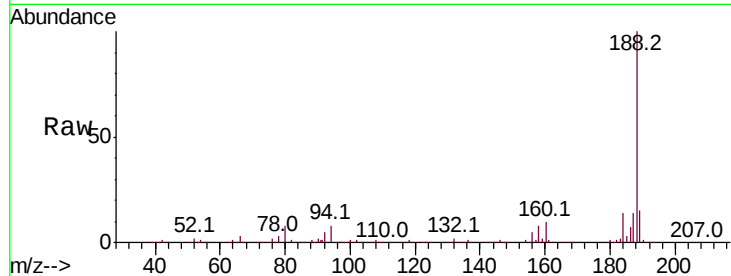
ClientSampleId :

CL-02-122718-A

Tot Ion:188	Resp:	420574
Ion Ratio	Lower	Upper
188 100		
94 7.8	9.6	14.4#
80 8.1	9.8	14.6#

Manual Integrations
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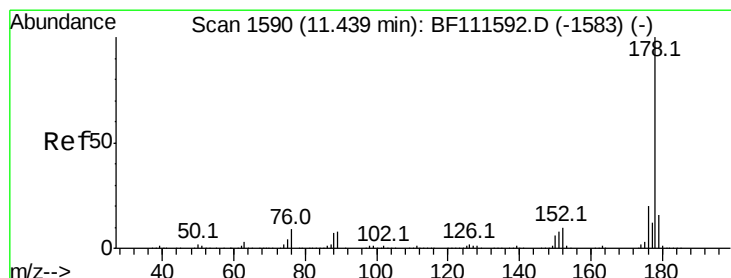
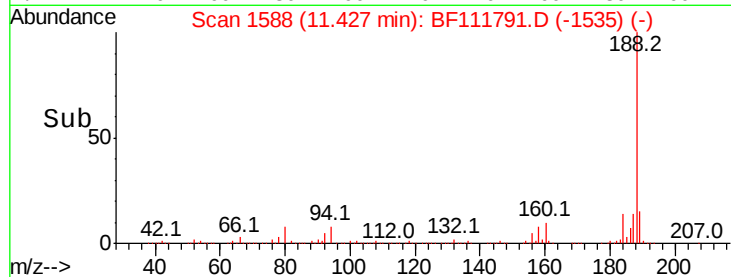
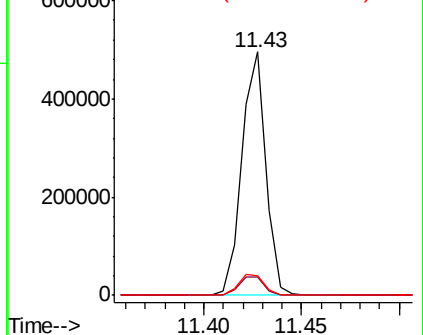
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 2.601 ng

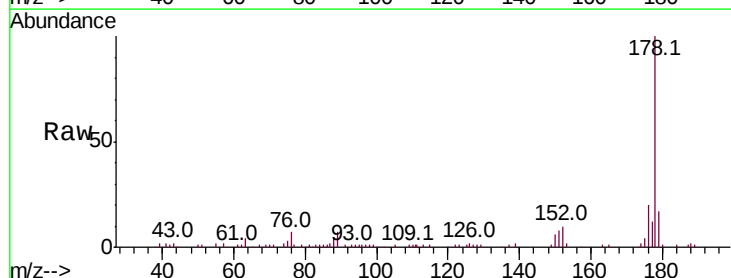
RT: 11.45 min Scan# 1592

Delta R.T. 0.01 min

Lab File: BF111791.D

Acq: 28 Dec 2018 16:23

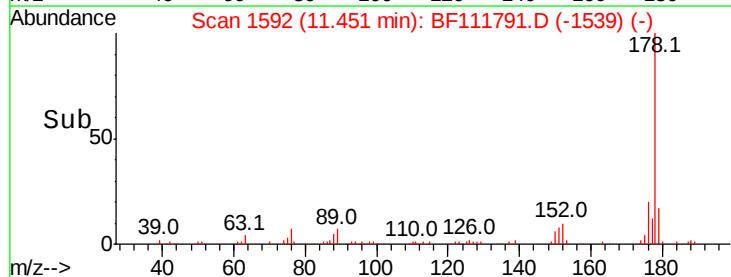
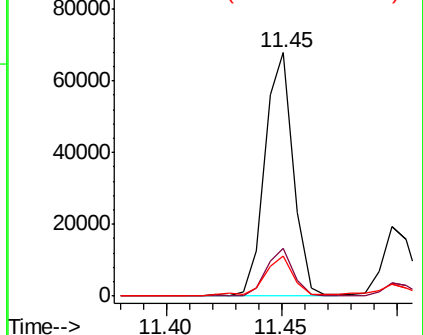
Tgt Ion:178	Resp:	58008
Ion Ratio	Lower	Upper
178 100		
176 19.8	18.1	27.1
179 16.6	14.0	21.0

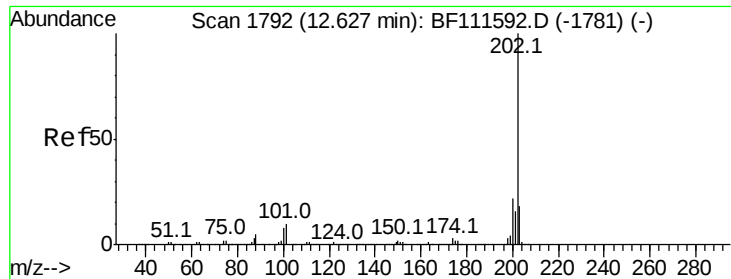


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.955 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111791.D

Acq: 28 Dec 2018 16:23

Instrument :

BNA_F

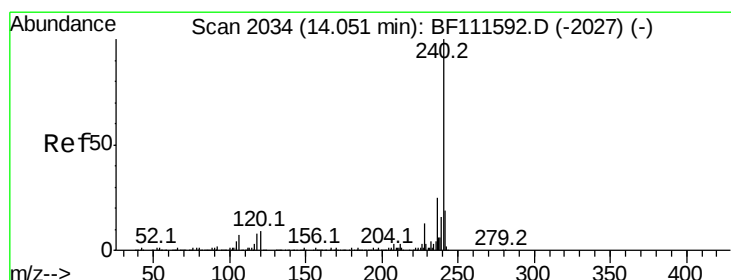
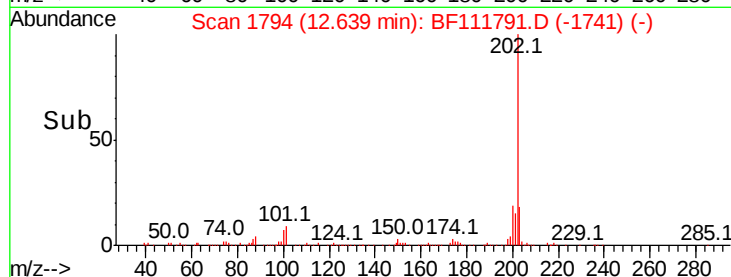
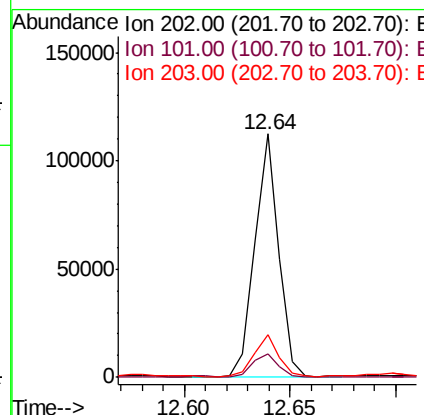
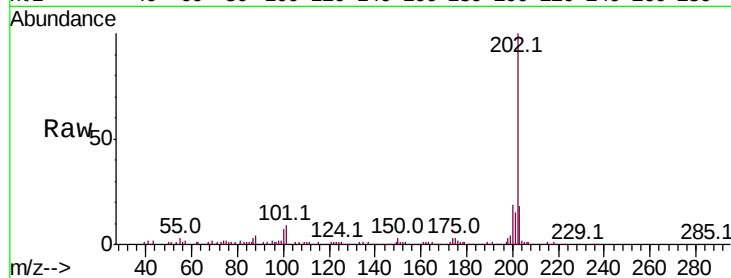
ClientSampleId :

CL-02-122718-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.4	0.0	33.8
203	17.6	0.0	38.6

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

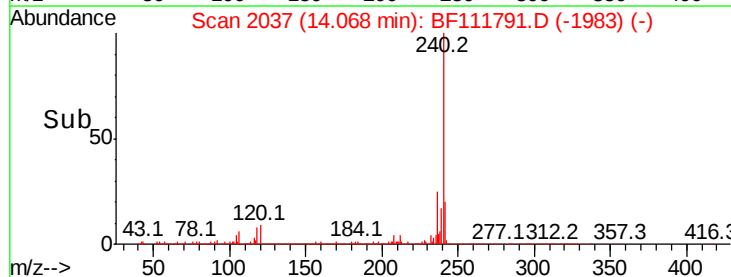
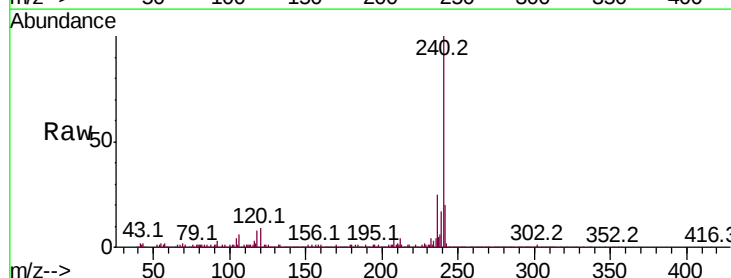
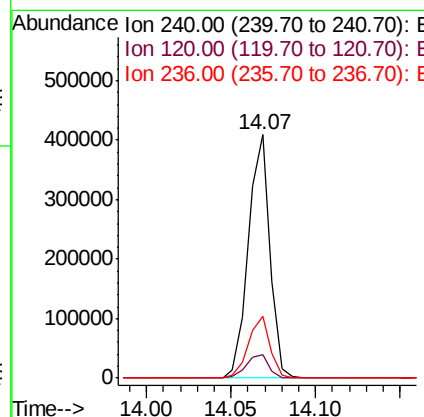
RT: 14.07 min Scan# 2037

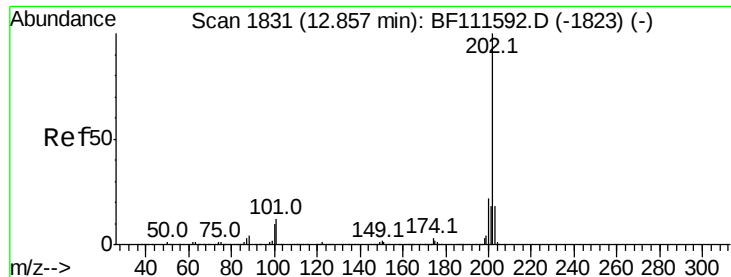
Delta R.T. 0.02 min

Lab File: BF111791.D

Acq: 28 Dec 2018 16:23

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.4	12.2	18.2#
236	25.3	20.2	30.2





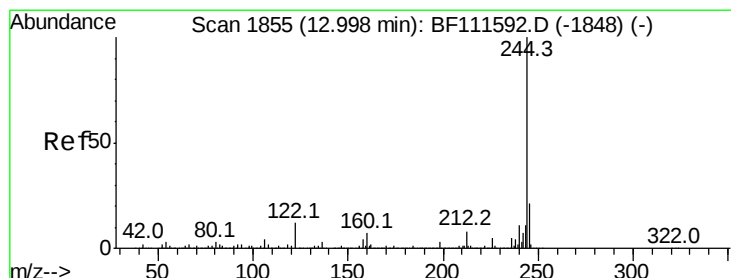
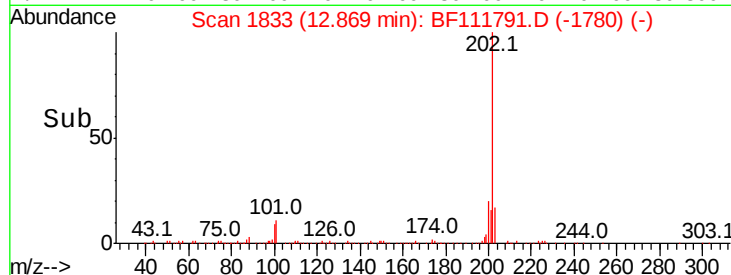
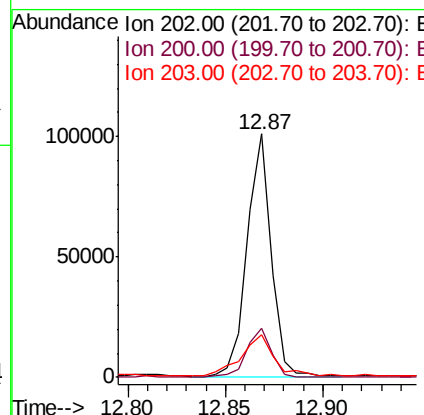
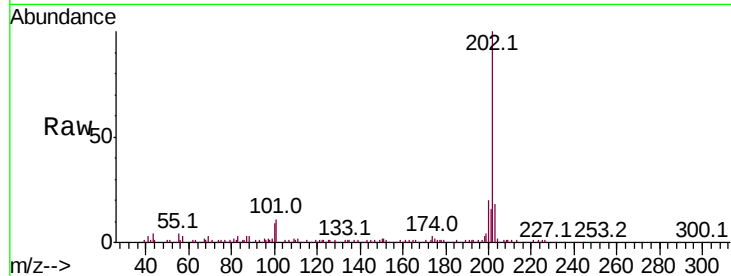
#78
Pvrene
Concen: 3.360 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	19.0	28.4
203	17.7	15.2	22.8

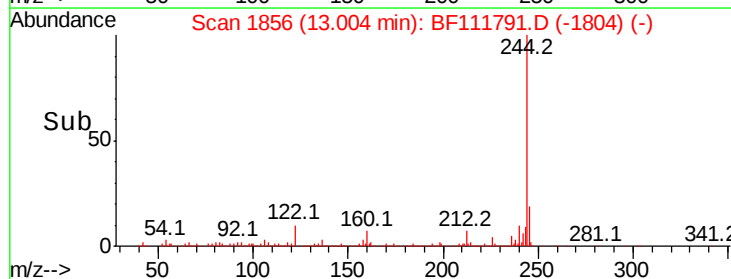
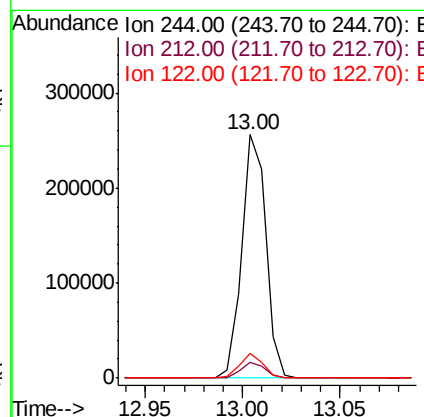
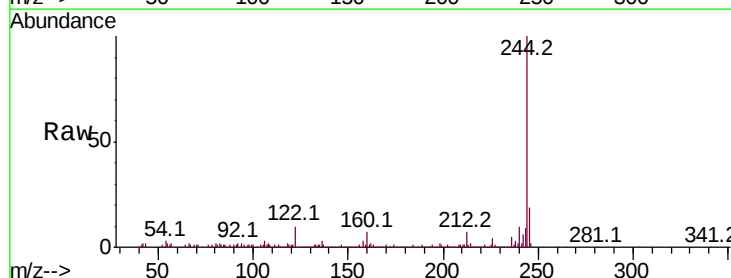
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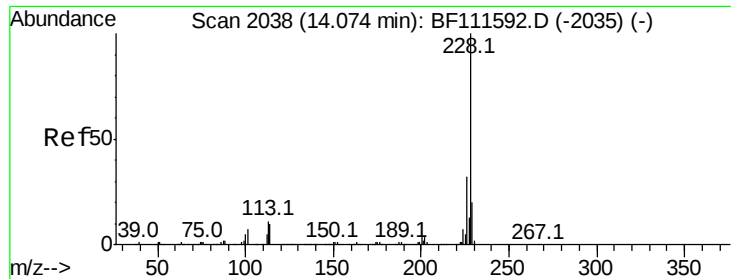
Sohil
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#79
Terphenyl-d14
Concen: 11.486 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	10.1	13.1	19.7#





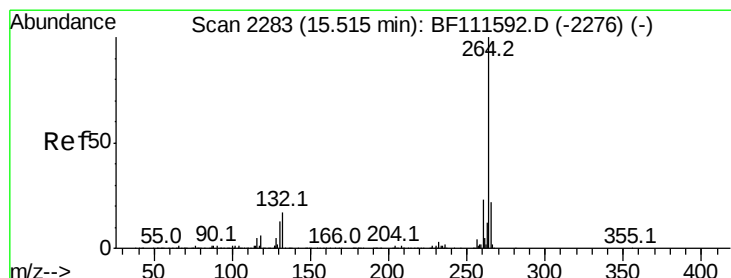
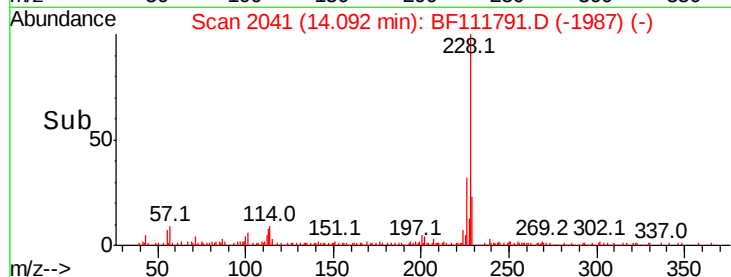
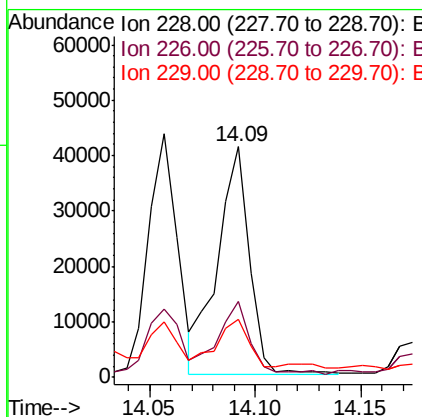
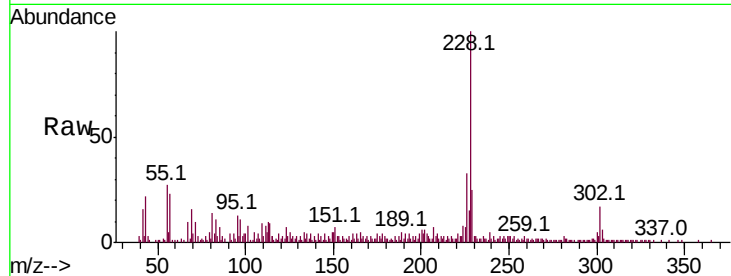
#83
Chrysene
Concen: 2.093 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.9	25.3	37.9
229	24.9	17.2	25.8

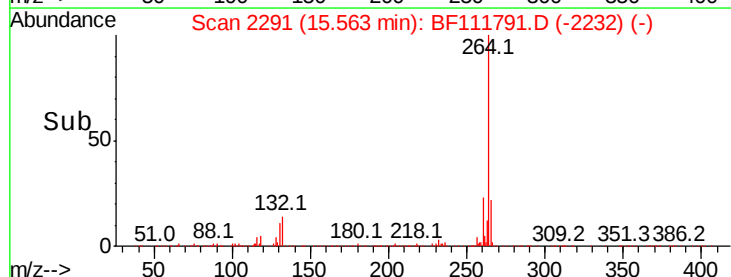
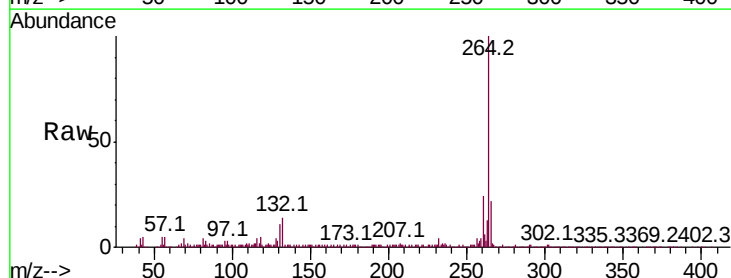
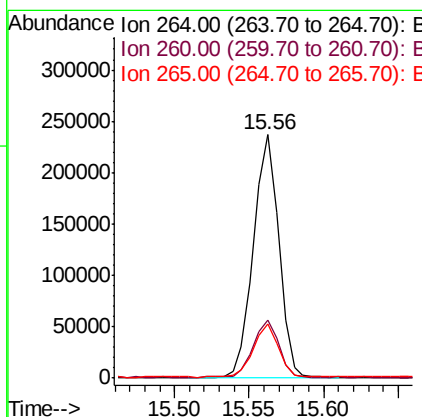
Manual Integrations
APPROVED

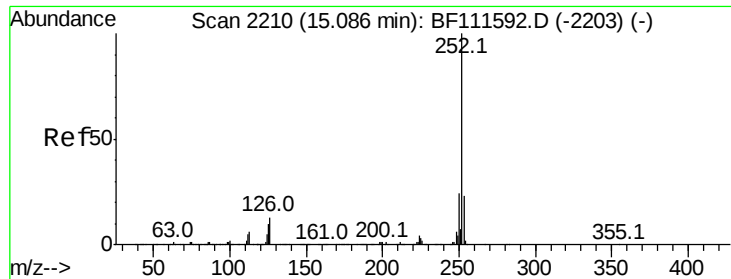
Sohil
1/2/2019 2:51:34 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.05 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.3	27.5
265	22.2	17.7	26.5





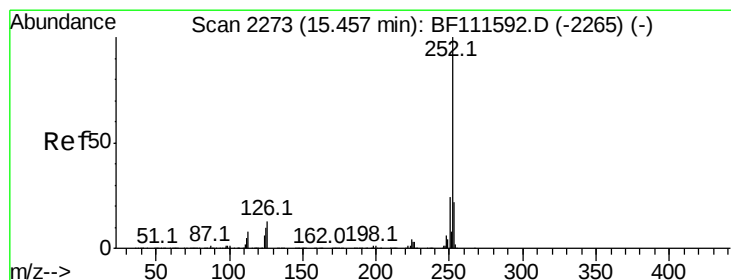
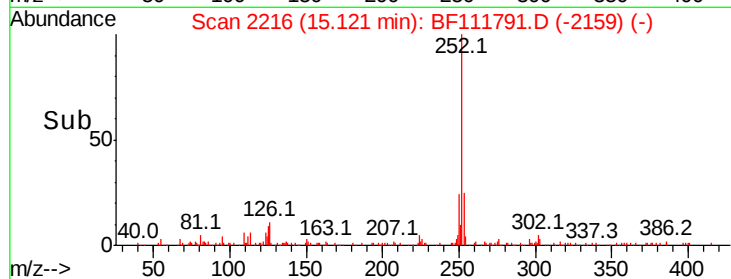
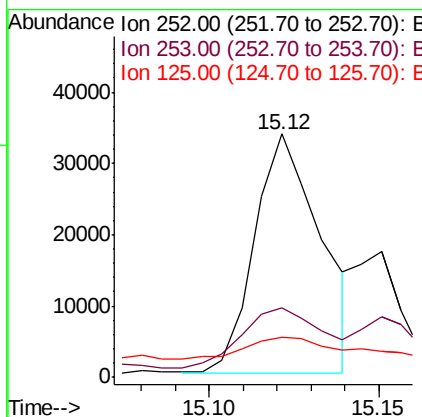
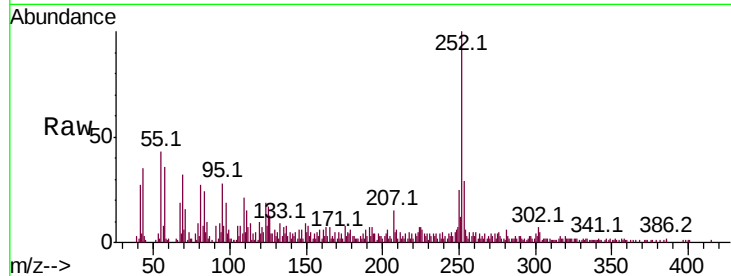
#88
Benzo(b)fluoranthene
Concen: 2.828 ng/mL
RT: 15.12 min Scan# 2216
Delta R.T. 0.04 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.2	27.2#
125	16.7	10.4	15.6#

Manual Integrations
APPROVED

Sohil
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#90
Benzo(a)pyrene
Concen: 2.157 ng/mL
RT: 15.49 min Scan# 2279
Delta R.T. 0.04 min
Lab File: BF111791.D
Acq: 28 Dec 2018 16:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.8	26.8#
125	18.0	12.3	18.5

