

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118900.D
 Acq On : 11 Feb 2020 22:58
 Operator : CG/JU
 Sample : L1372-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-021020

Manual Integrations
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Quant Time: Feb 12 07:49:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	298804	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	1154822	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	656258	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	1137509	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	813660	20.00	ng	-0.01
87) Perylene-d12	15.42	264	806140	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	854307	54.12	ng	-0.01
7) Phenol-d6	6.44	99	1083506	55.29	ng	-0.01
23) Nitrobenzene-d5	7.36	82	691144	35.67	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	360621	45.93	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	1475018	40.18	ng	-0.02
79) Terphenyl-d14	12.91	244	1521204	38.40	ng	-0.02
Target Compounds						
71) Phenanthrene	11.35	178	550627	9.838	ng	97
72) Anthracene	11.40	178	146414	2.630	ng	97
75) Fluoranthene	12.54	202	668760	10.944	ng	99
78) Pyrene	12.77	202	552382	9.896	ng	98
81) Benzo(a)anthracene	13.96	228	285117	5.889	ng	96
83) Chrysene	13.99	228	238320	4.904	ng	95
88) Benzo(b)fluoranthene	15.00	252	290602m	5.809	ng	
89) Benzo(k)fluoranthene	15.03	252	111903m	2.569	ng	
90) Benzo(a)pyrene	15.36	252	206336	4.820	ng	# 87

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

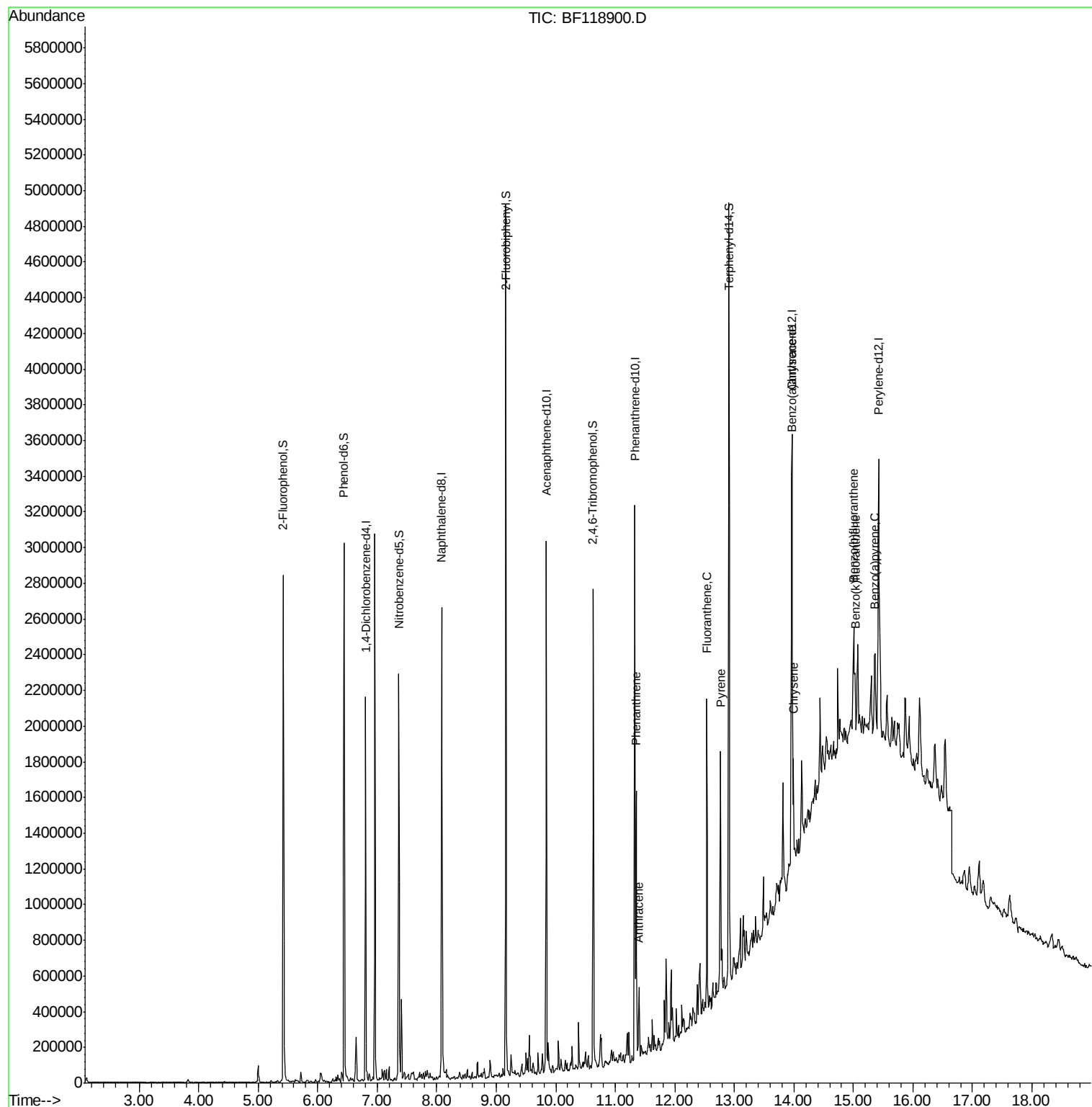
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
Data File : BF118900.D
Acq On : 11 Feb 2020 22:58
Operator : CG/JU
Sample : L1372-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

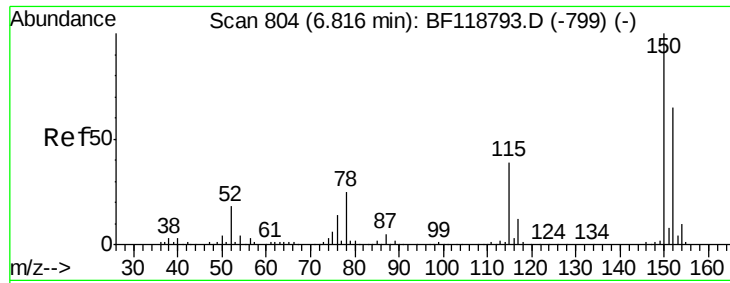
Instrument :
BNA_F
ClientSampleId :
SU-01-021020

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Quant Time: Feb 12 07:49:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration





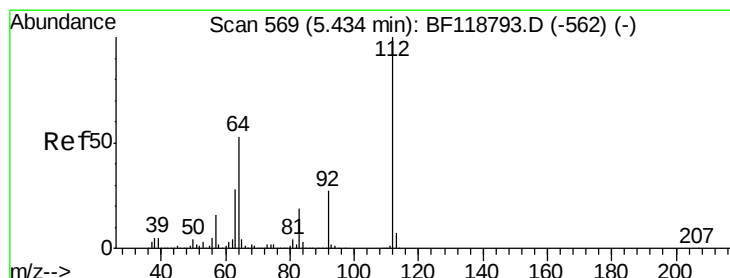
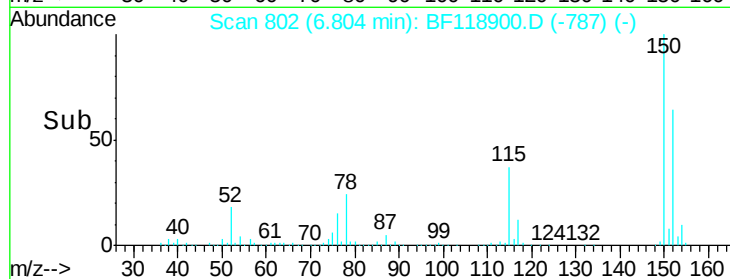
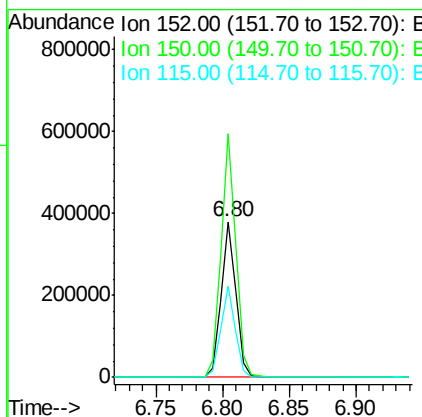
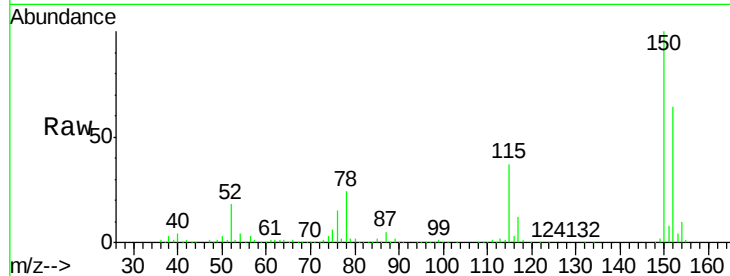
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF118900.D
 Acq: 11 Feb 2020 22:58

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-021020

Tot Ion	Ratio	Resp	Lower	Upper
152	100	298804		
150	156.3	123.6	185.4	
115	58.6	48.2	72.2	

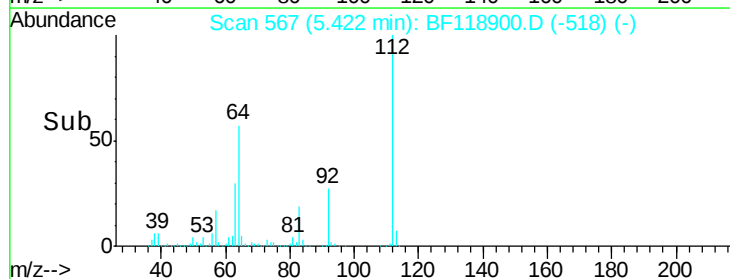
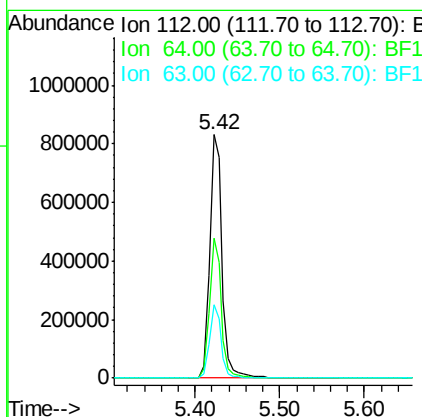
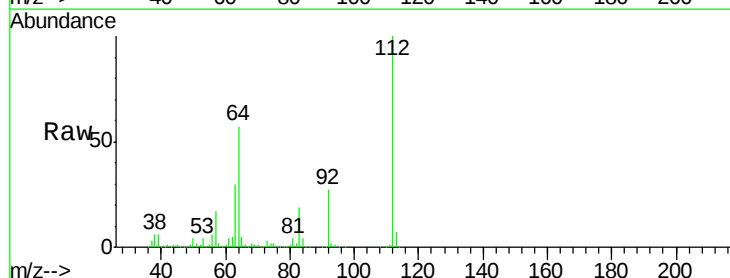
Manual Integrations
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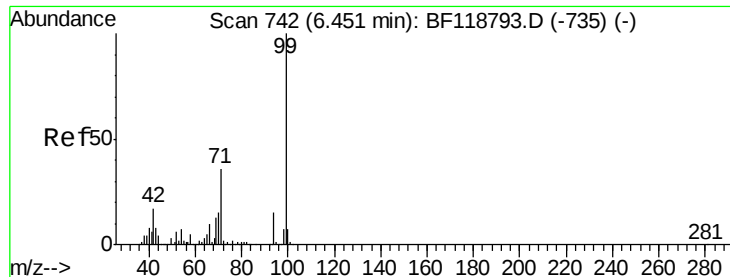
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#5
 2-Fluorophenol
 Concen: 54.120 ng
 RT: 5.42 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: BF118900.D
 Acq: 11 Feb 2020 22:58

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	854307		
64	57.3	42.6	63.8	
63	30.0	22.2	33.4	





#7

Phenol-d6

Concen: 55.295 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF118900.D

Acq: 11 Feb 2020 22:58

Instrument :

BNA_F

ClientSampled :

SU-01-021020

Tot Ion: 99 Resp: 1083506

Ion Ratio Lower Upper

99 100

42 16.7 13.4 20.0

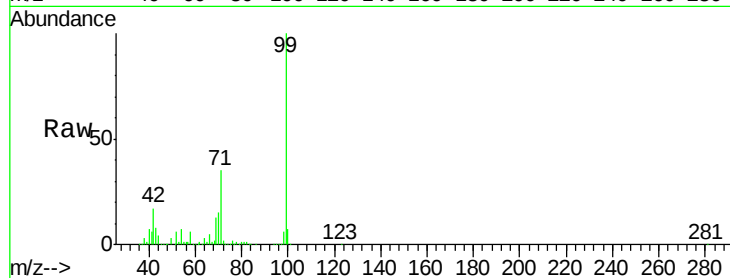
71 34.8 29.0 43.6

Manual Integrations

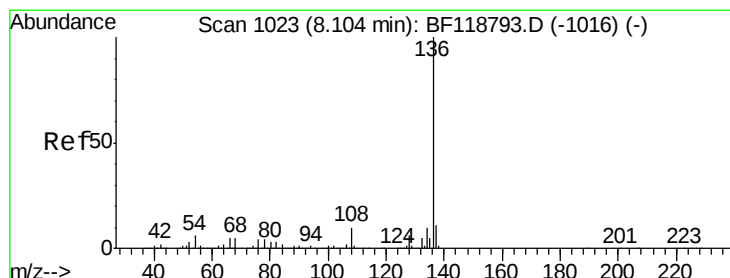
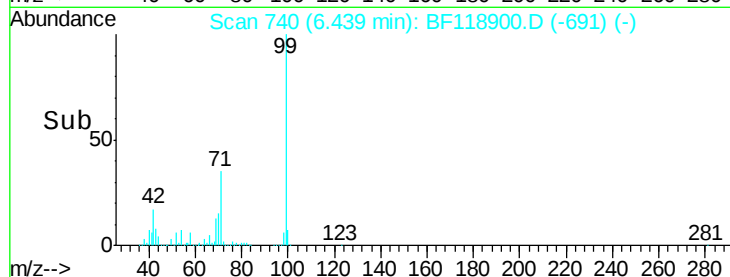
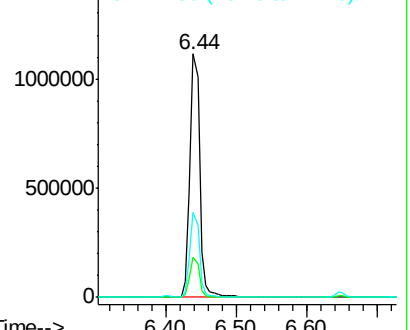
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF118900.D

Acq: 11 Feb 2020 22:58

Tgt Ion: 136 Resp: 1154822

Ion Ratio Lower Upper

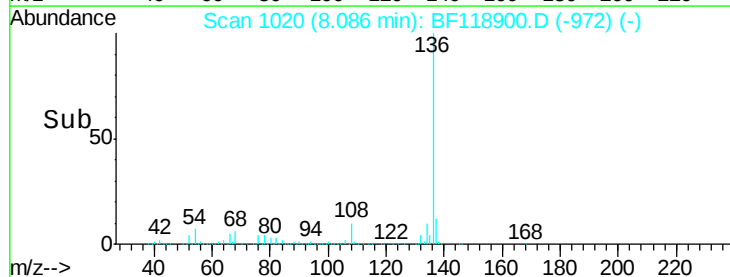
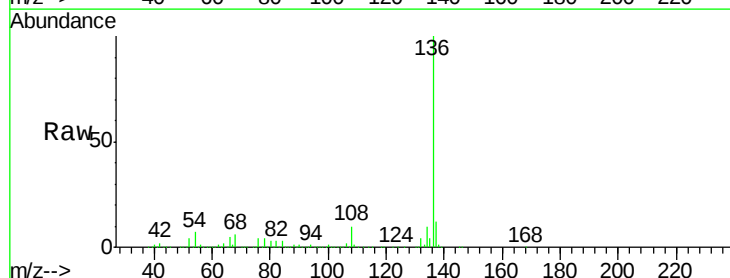
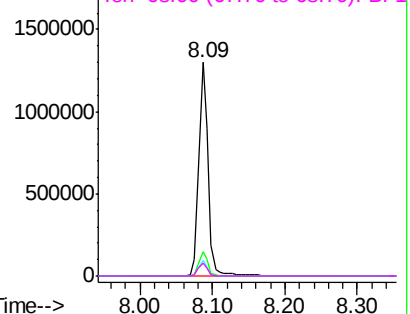
136 100

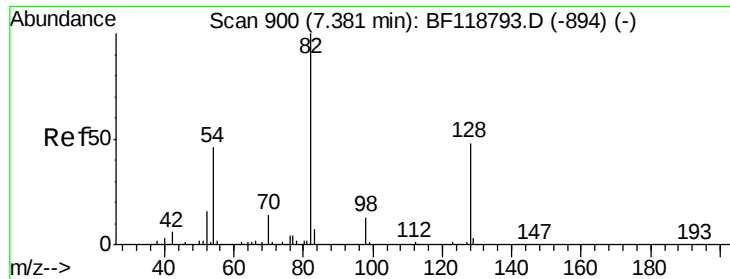
137 11.5 8.7 13.1

54 7.0 5.0 7.6

68 6.3 4.2 6.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





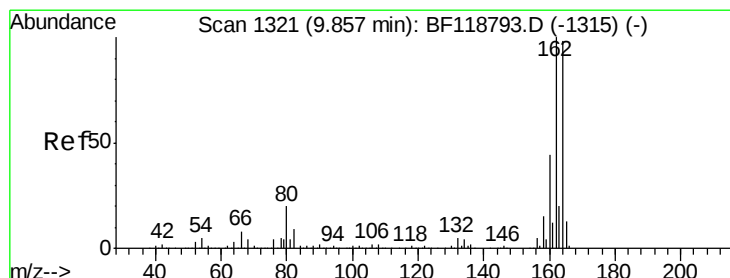
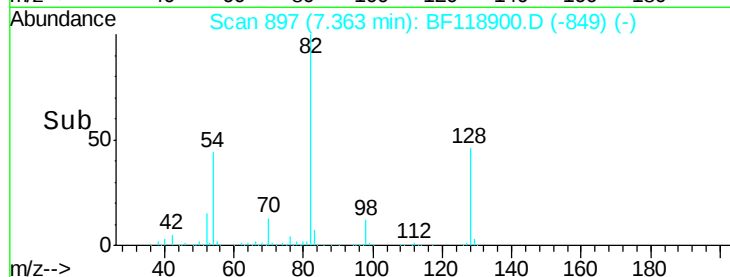
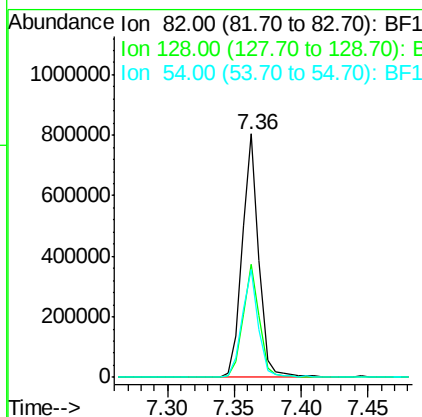
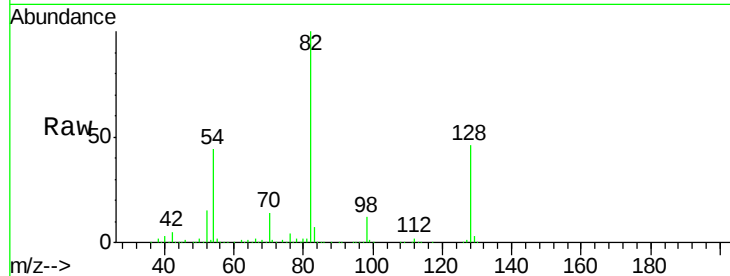
#23
 Nitrobenzene-d5
 Concen: 35.673 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.02 min
 Lab File: BF118900.D
 Acq: 11 Feb 2020 22:58

Instrument :
 BNA_F
 ClientSampled :
 SU-01-021020

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	38.5	57.7
54	44.3	36.7	55.1

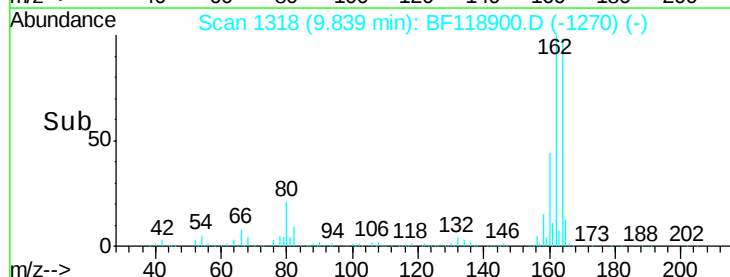
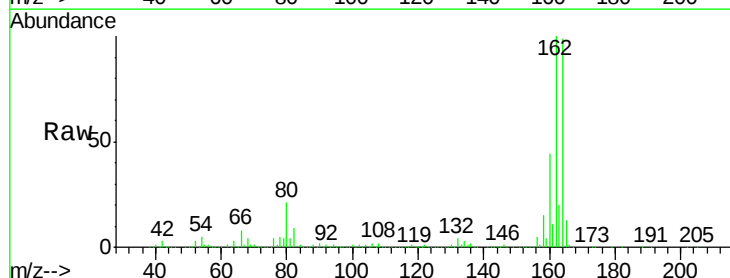
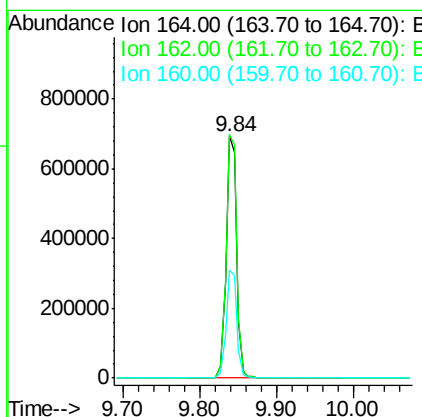
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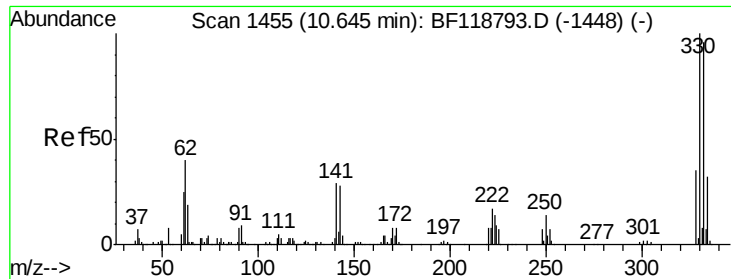
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: BF118900.D
 Acq: 11 Feb 2020 22:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.4	122.2
160	44.4	35.6	53.4





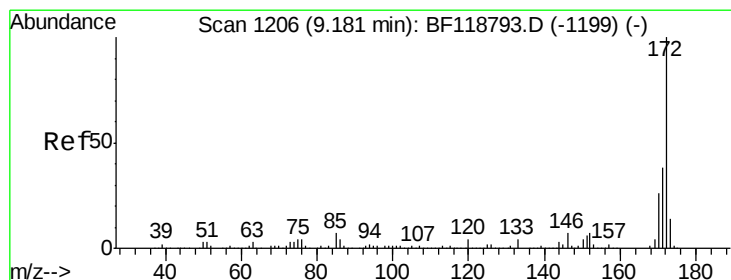
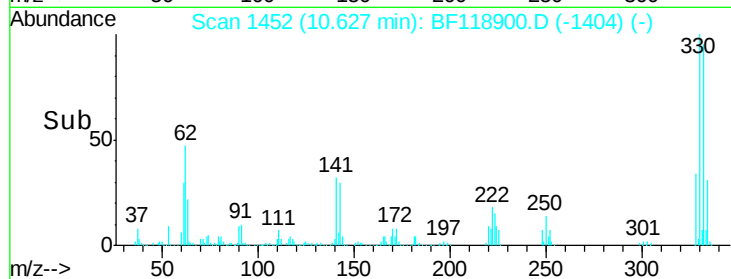
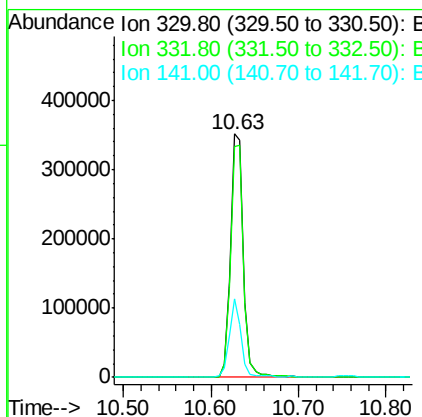
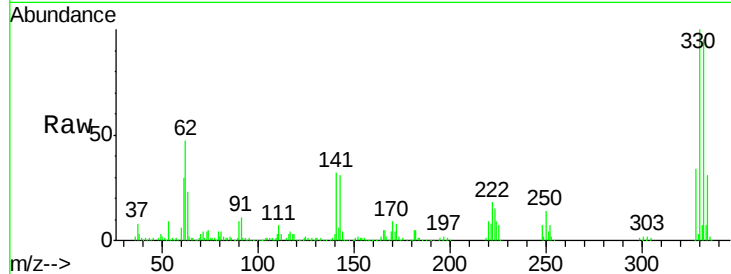
#42
 2,4,6-Tribromophenol
 Concen: 45.925 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF118900.D
 Acq: 11 Feb 2020 22:58

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-021020

Tot Ion	Ratio	Resp	Lower	Upper
330	100	360621		
332	96.1		77.3	115.9
141	28.2		22.4	33.6

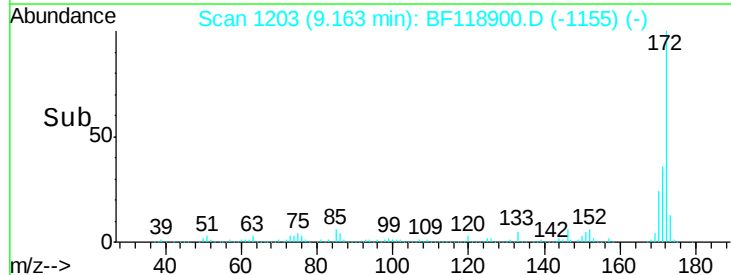
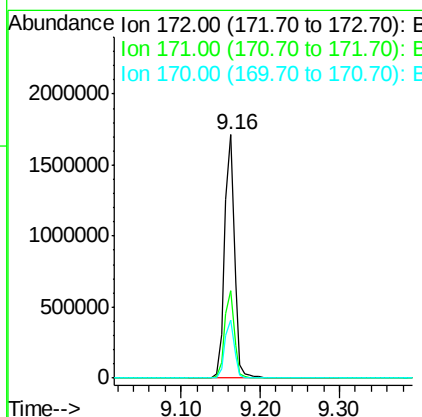
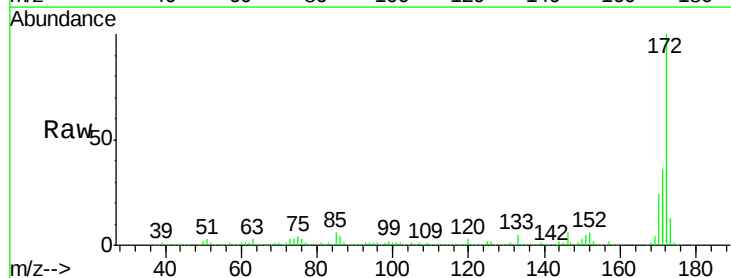
Manual Integrations
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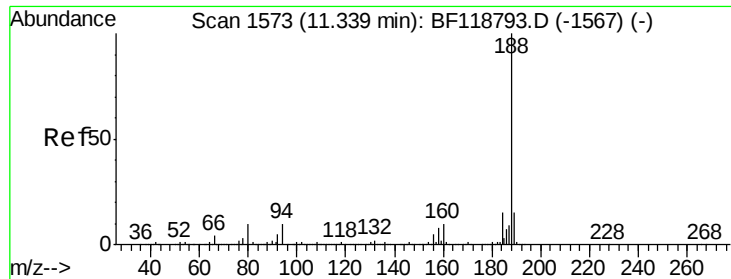
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#45
 2-Fluorobiphenyl
 Concen: 40.181 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.02 min
 Lab File: BF118900.D
 Acq: 11 Feb 2020 22:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1475018		
171	36.2		30.8	46.2
170	24.1		20.5	30.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF118900.D

Acq: 11 Feb 2020 22:58

Instrument :

BNA_F

ClientSampleId :

SU-01-021020

Tot Ion:188 Resp: 1137509

Ion Ratio Lower Upper

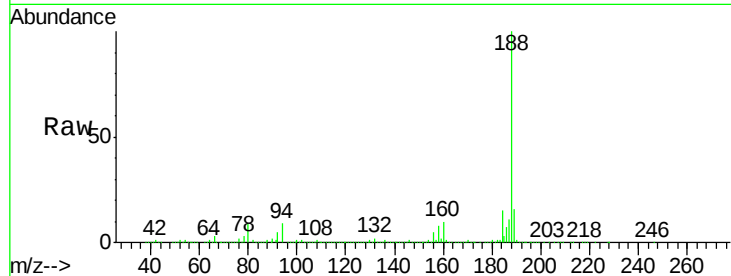
188 100

94 8.8 7.9 11.9

80 9.4 8.4 12.6

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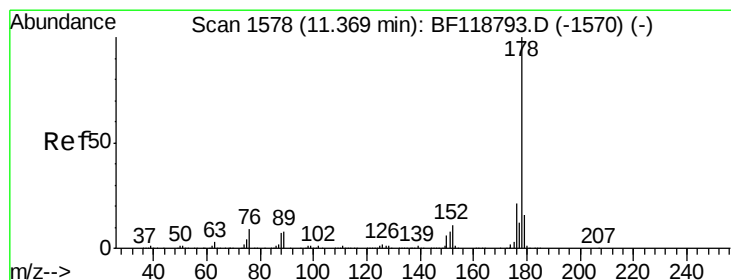
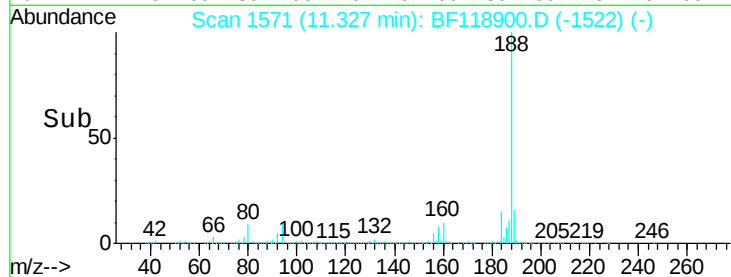
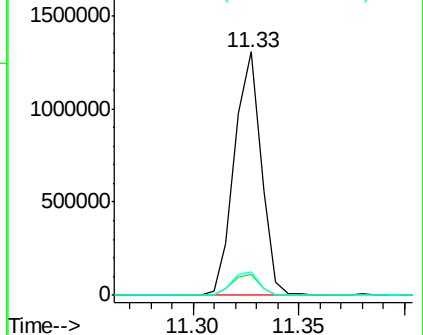
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 9.838 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF118900.D

Acq: 11 Feb 2020 22:58

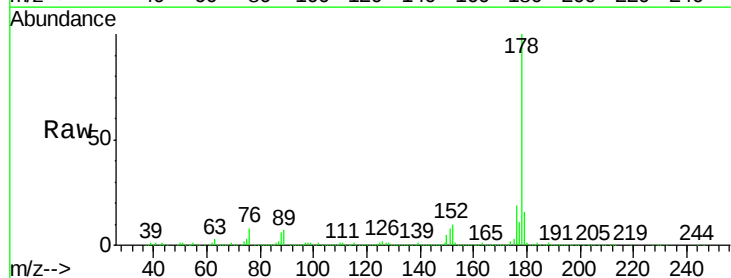
Tgt Ion:178 Resp: 550627

Ion Ratio Lower Upper

178 100

176 18.9 16.6 24.8

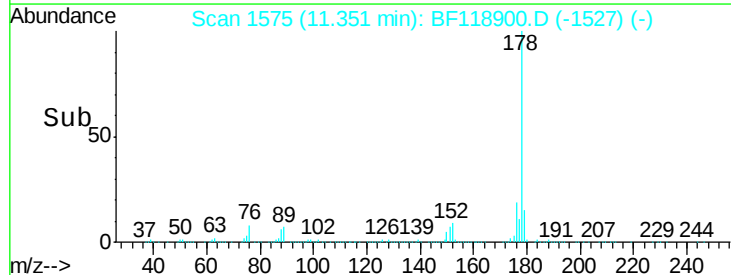
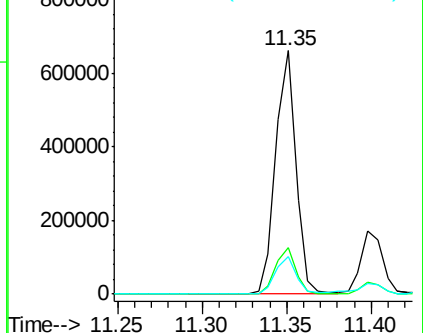
179 15.5 13.2 19.8

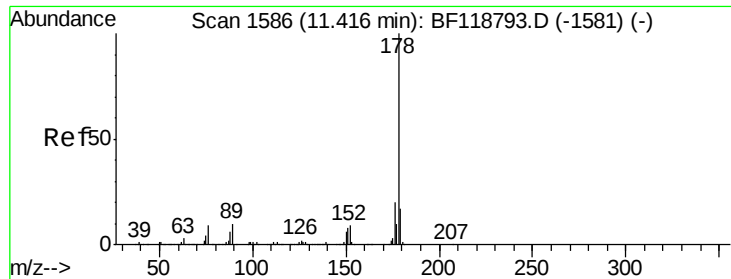


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.630 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.02 min

Lab File: BF118900.D

Acq: 11 Feb 2020 22:58

Instrument :

BNA_F

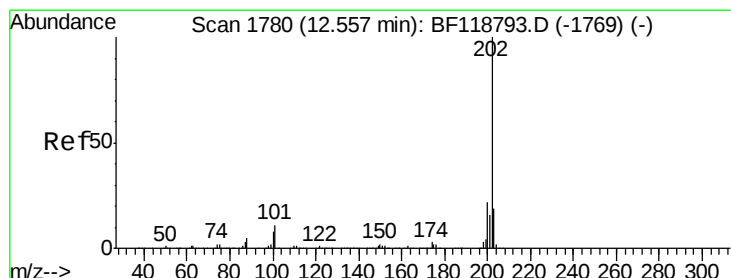
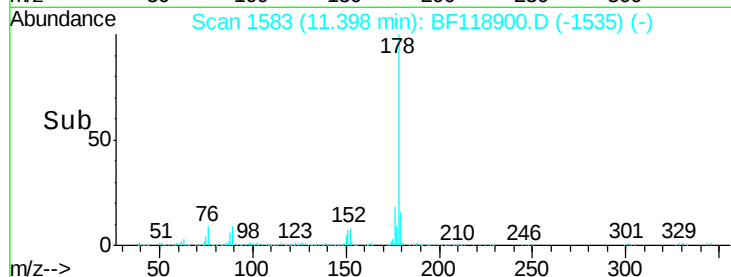
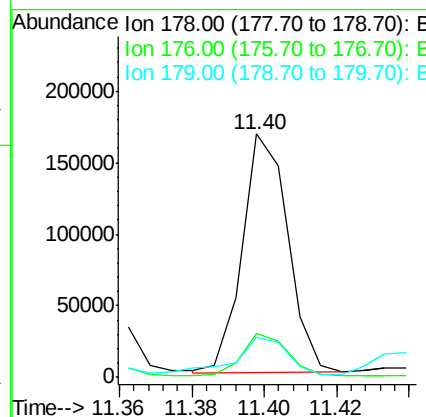
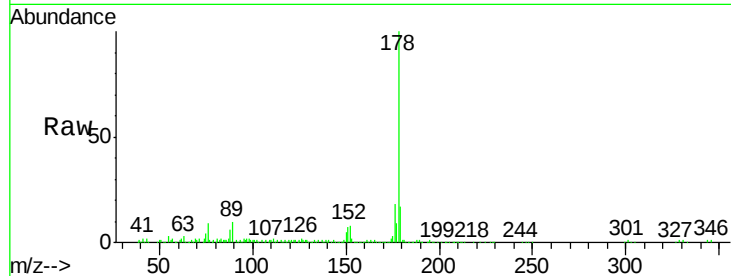
ClientSampleId :

SU-01-021020

Tot Ion:	178	Resp:	146414
Ion Ratio	Lower	Upper	
178	100		
176	18.1	16.2	24.2
179	16.6	13.4	20.2

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#75

Fluoranthene

Concen: 10.944 ng

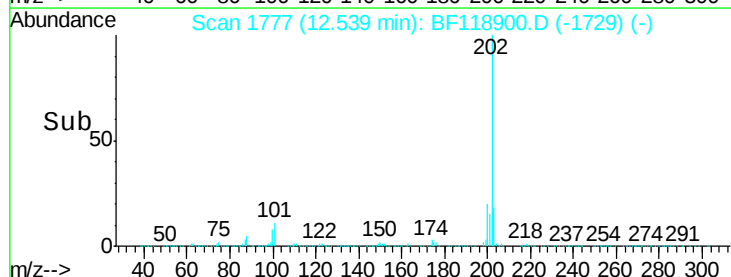
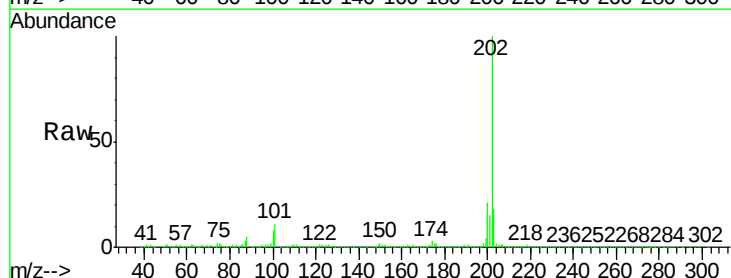
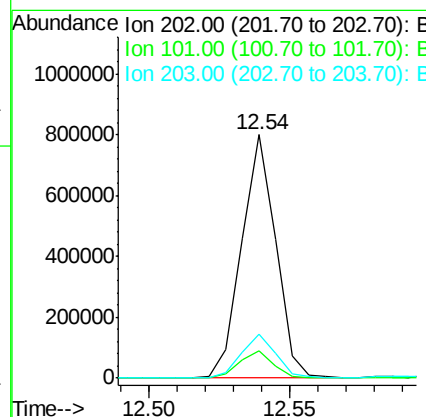
RT: 12.54 min Scan# 1777

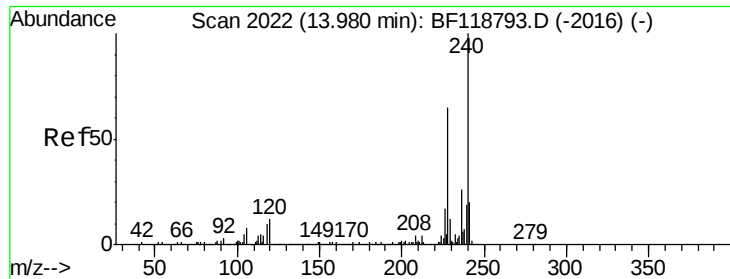
Delta R.T. -0.02 min

Lab File: BF118900.D

Acq: 11 Feb 2020 22:58

Tgt Ion:	202	Resp:	668760
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	31.0
203	18.0	0.0	38.7





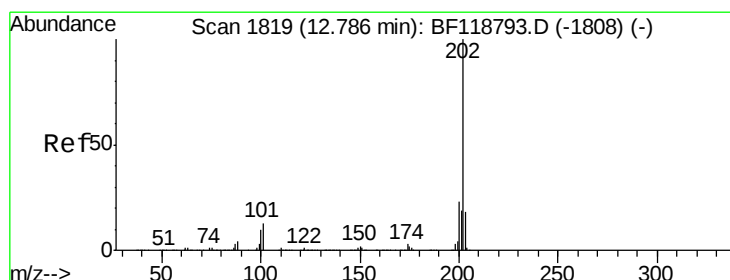
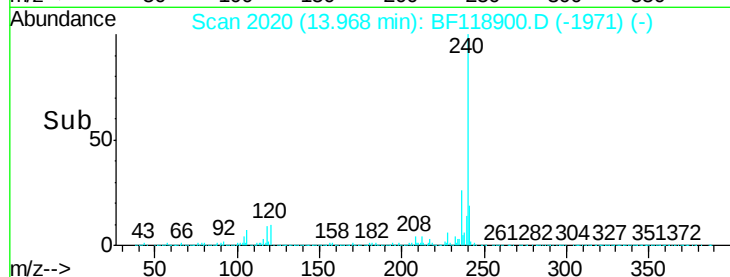
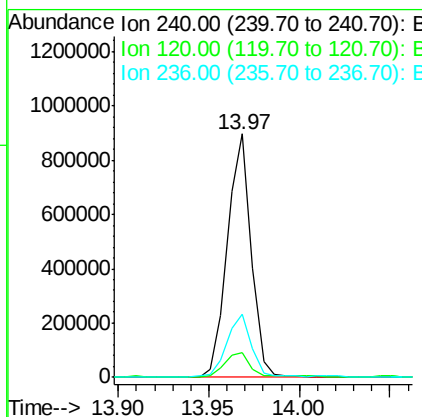
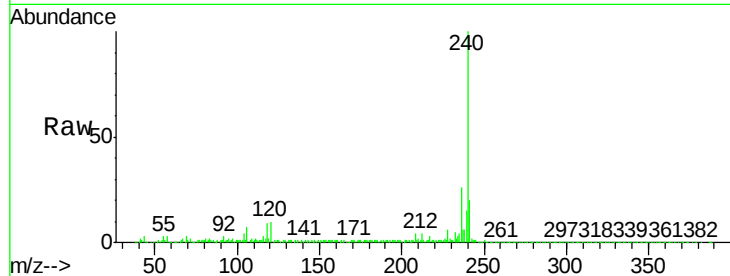
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Instrument :
BNA_F
ClientSampleId :
SU-01-021020

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.4	14.0
236	26.0	21.0	31.6

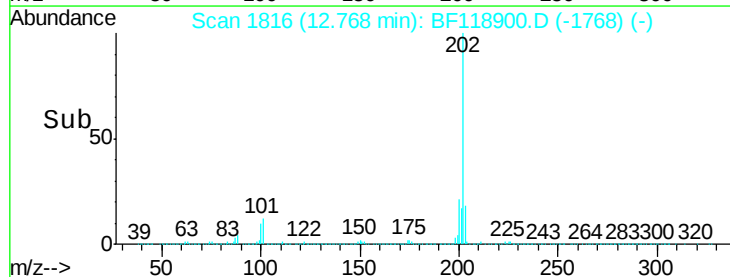
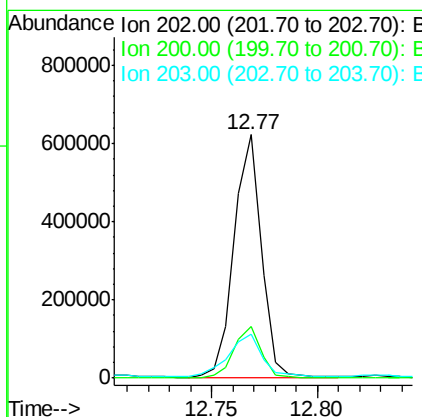
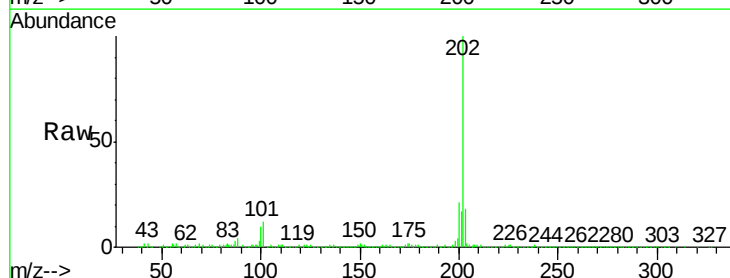
Manual Integrations
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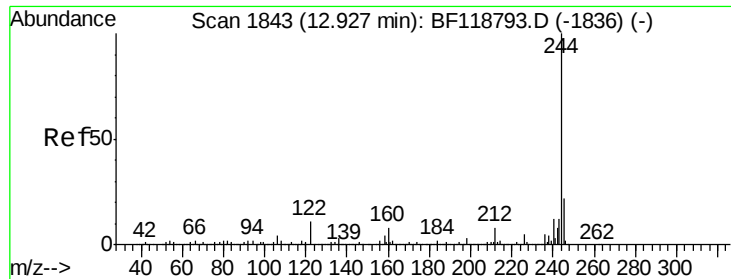
mohammad
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#78
Pyrene
Concen: 9.896 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.2	27.2
203	18.2	14.8	22.2





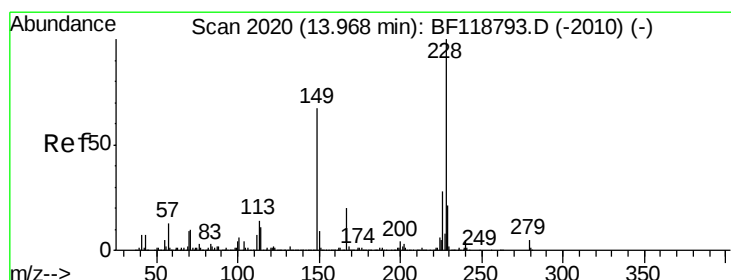
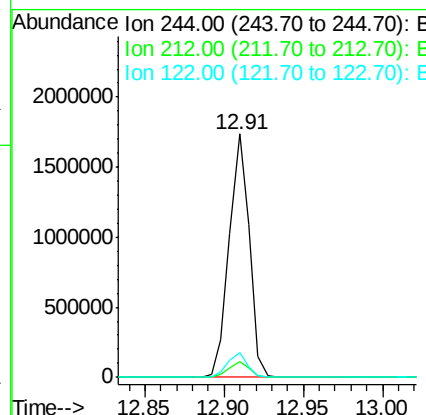
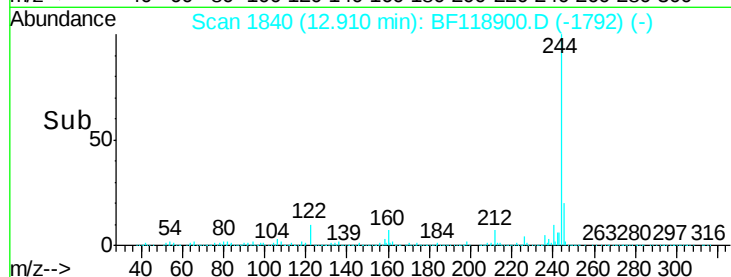
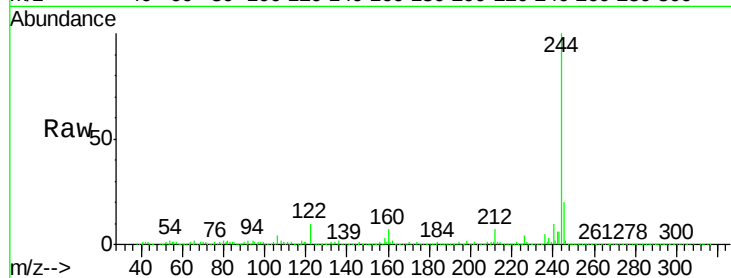
#79
 Terphenyl-d14
 Concen: 38.402 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.02 min
 Lab File: BF118900.D
 Acq: 11 Feb 2020 22:58

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-021020

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.5	9.7
122	10.3	8.9	13.3

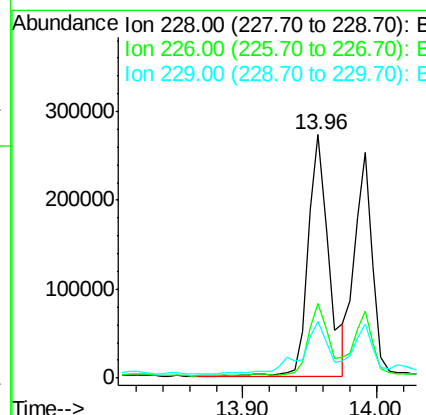
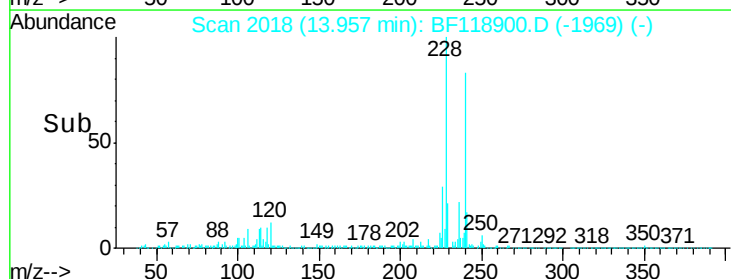
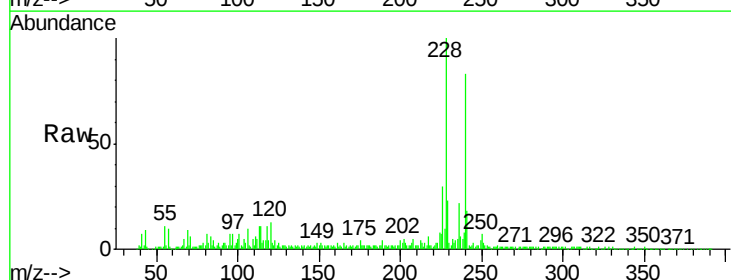
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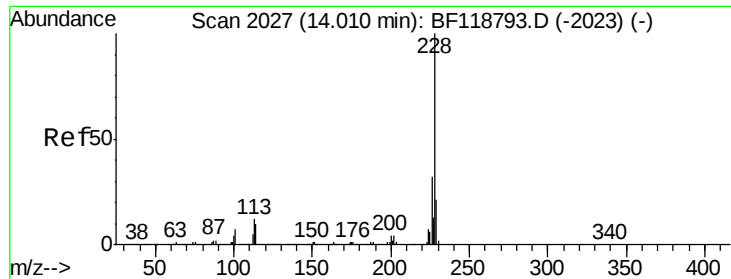
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#81
 Benzo(a)anthracene
 Concen: 5.889 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF118900.D
 Acq: 11 Feb 2020 22:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.7	34.1
229	23.2	16.6	25.0





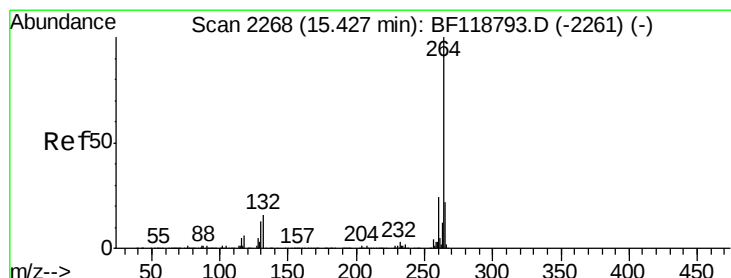
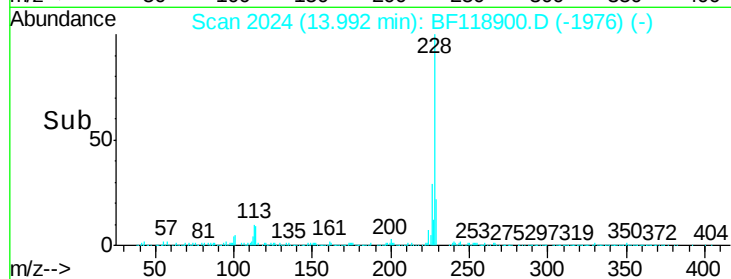
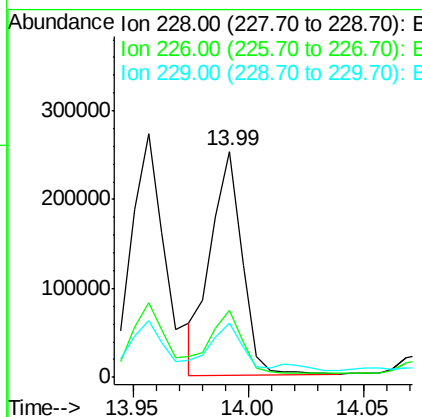
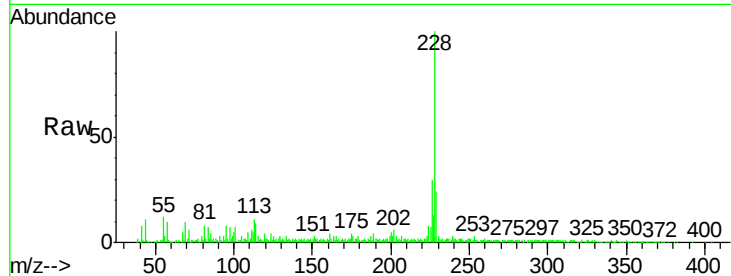
#83
Chrysene
Concen: 4.904 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Instrument :
BNA_F
ClientSampleId :
SU-01-021020

Tot Ion:	228	Resp:	238320
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.4	38.0
229	24.2	16.9	25.3

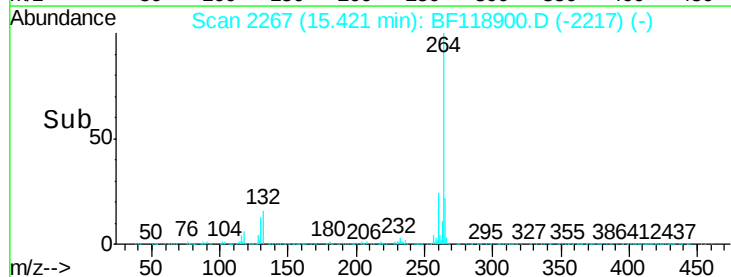
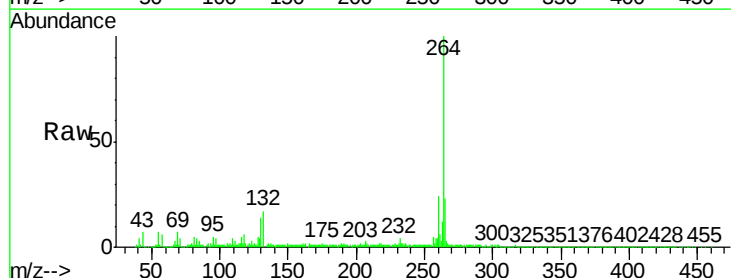
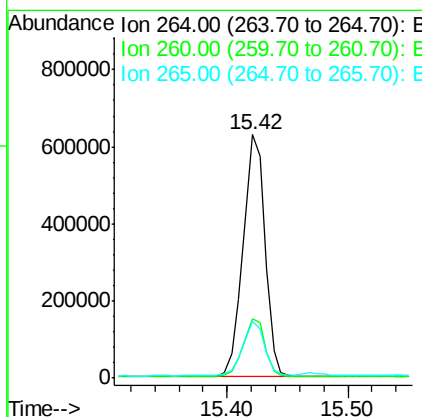
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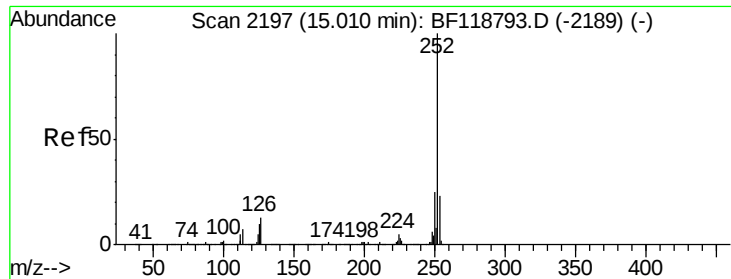
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Tgt Ion:	264	Resp:	806140
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.1	28.7
265	23.2	17.2	25.8





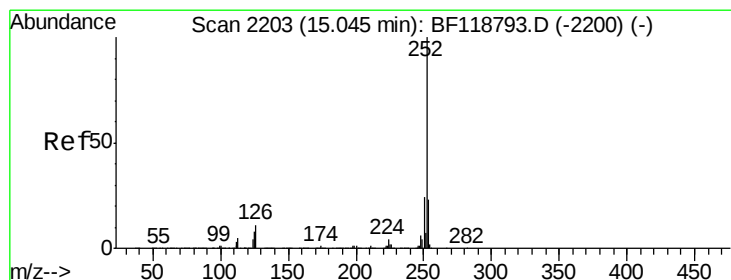
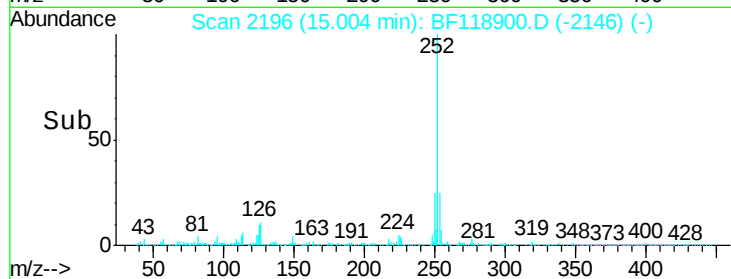
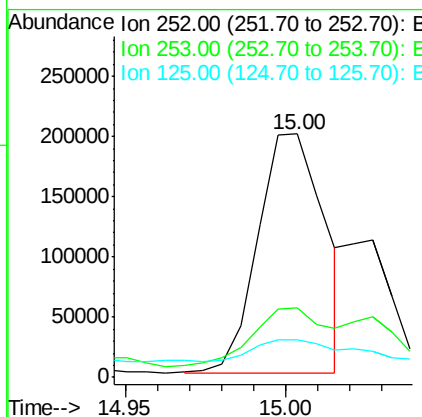
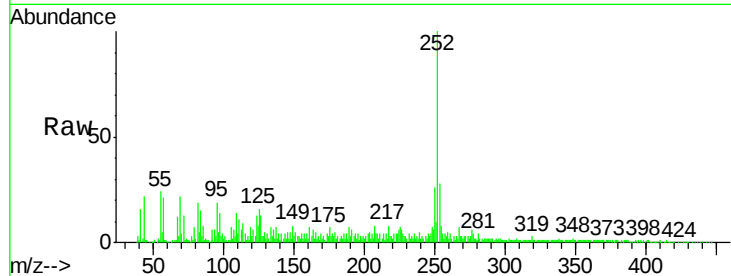
#88
Benzo(b)fluoranthene
Concen: 5.809 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Instrument :
BNA_F
ClientSampleId :
SU-01-021020

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.4	27.6#
125	15.6	8.1	12.1#

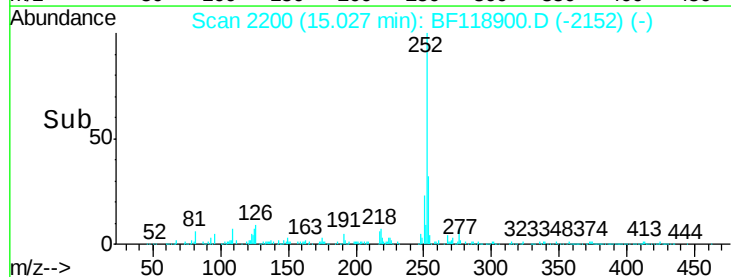
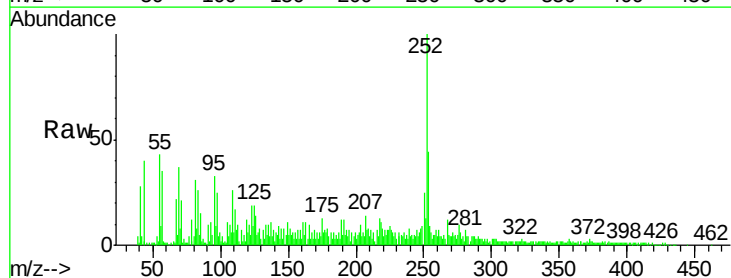
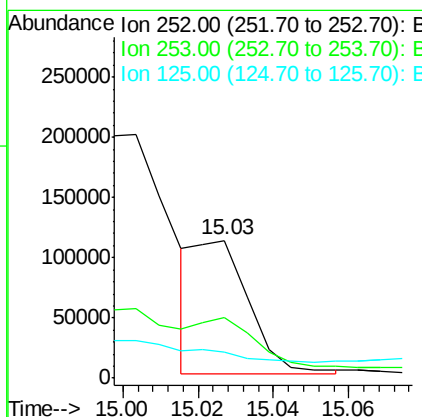
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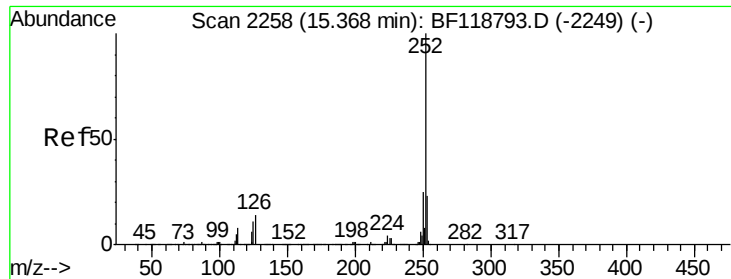
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#89
Benzo(k)fluoranthene
Concen: 2.569 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	43.9	18.2	27.4#
125	18.8	7.0	10.6#





#90
Benzo(a)pyrene
Concen: 4.820 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF118900.D
Acq: 11 Feb 2020 22:58

Instrument :
BNA_F
ClientSampleId :
SU-01-021020

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	27.9	18.1	27.1#
125	17.3	8.7	13.1#

Manual Integrations
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