

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115945.D
 Acq On : 2 Aug 2019 14:29
 Operator : HP/JU
 Sample : K4024-09 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Manual Integrations
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Quant Time: Aug 02 17:41:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	119754	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	412130	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	188544	20.00	ng	0.01
64) Phenanthrene-d10	11.40	188	362178	20.00	ng	0.02
76) Chrysene-d12	14.02	240	319343	20.00	ng	0.00
87) Perylene-d12	15.49	264	341540	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	11079	1.55	ng	0.01
7) Phenol-d6	6.49	99	12098	1.34	ng	0.00
23) Nitrobenzene-d5	7.41	82	98160	13.75	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	5278m	2.89	ng	0.02
45) 2-Fluorobiphenyl	9.22	172	152171	15.12	ng	0.00
79) Terphenyl-d14	12.97	244	167829	11.07	ng	0.00
Target Compounds						
38) 1-Methylnaphthalene	8.97	142	1483534	122.775	ng	# 98
52) Acenaphthene	9.95	154	166247	16.766	ng	# 73
58) Fluorene	10.46	166	390389	35.188	ng	# 93
71) Phenanthrene	11.43	178	1024901	55.354	ng	97
72) Anthracene	11.47	178	111249m	5.937	ng	
75) Fluoranthene	12.60	202	41488	2.140	ng	61
78) Pyrene	12.83	202	161540	6.711	ng	# 94

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

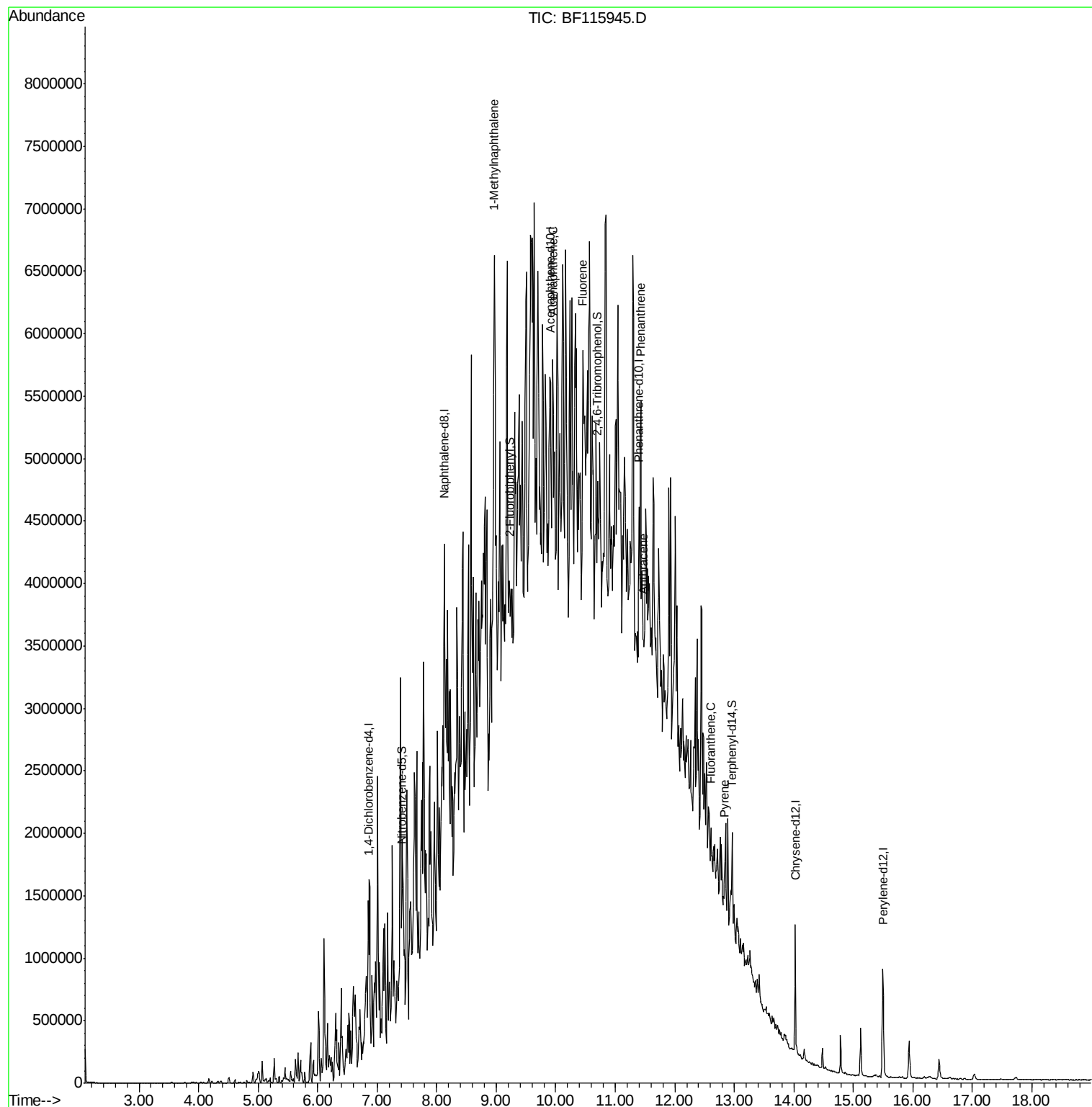
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
Data File : BF115945.D
Acq On : 2 Aug 2019 14:29
Operator : HP/JU
Sample : K4024-09 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

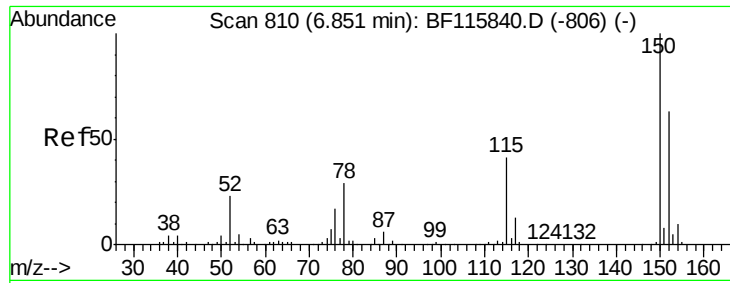
Instrument :
BNA_F
ClientSampled :
TP-8

Quant Time: Aug 02 17:41:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 2019
Response via : Initial Calibration

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#1

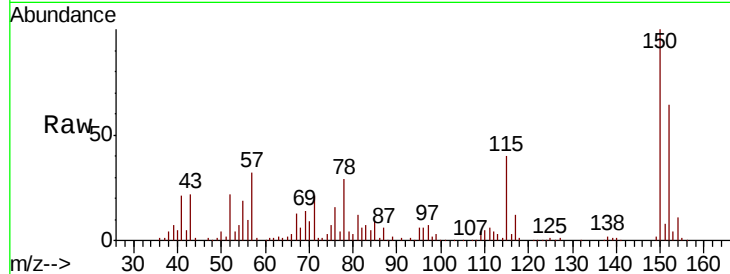
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115945.D
Acq: 2 Aug 2019 14:29

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	127.4	191.0
115	62.4	51.8	77.8

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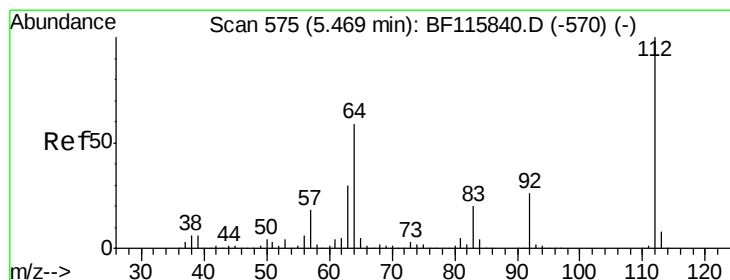
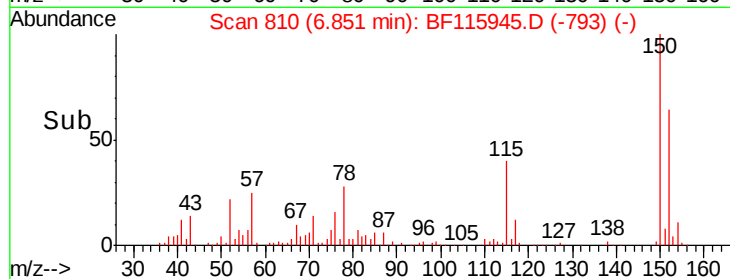
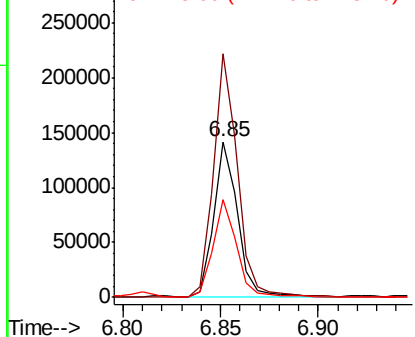


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

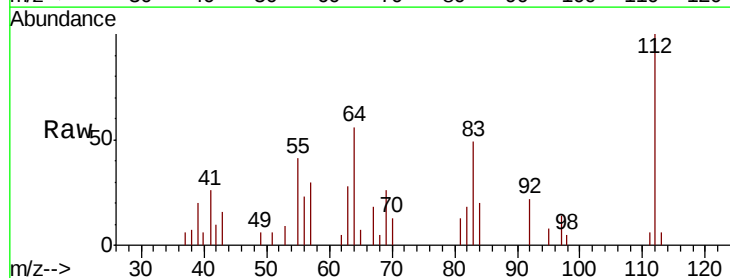
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 1.549 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF115945.D
Acq: 2 Aug 2019 14:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	46.8	70.2
63	28.4	24.2	36.2

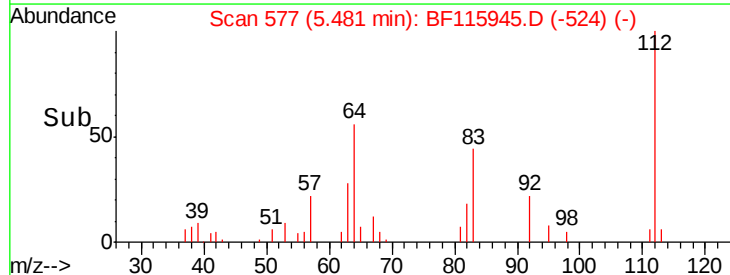
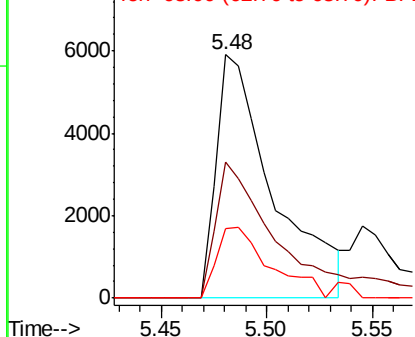


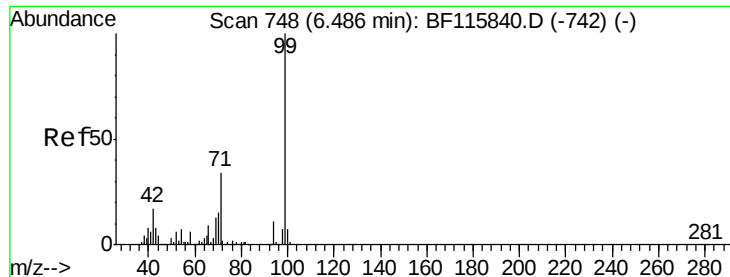
Abundance

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: 1.340 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF115945.D

Acq: 2 Aug 2019 14:29

Instrument :

BNA_F

ClientSampled :

TP-8

Tot Ion: 99 Resp: 12098

Ion Ratio Lower Upper

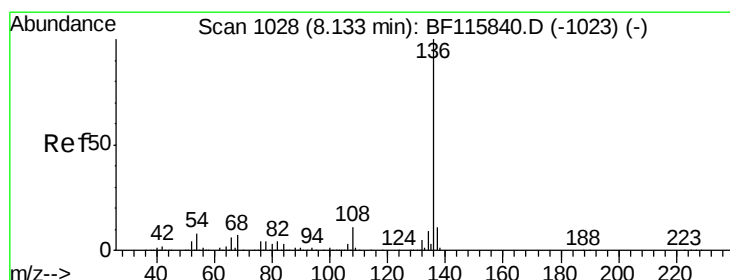
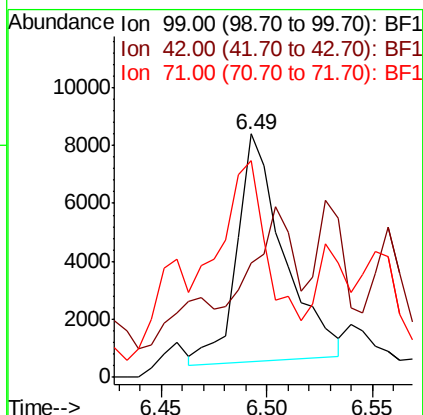
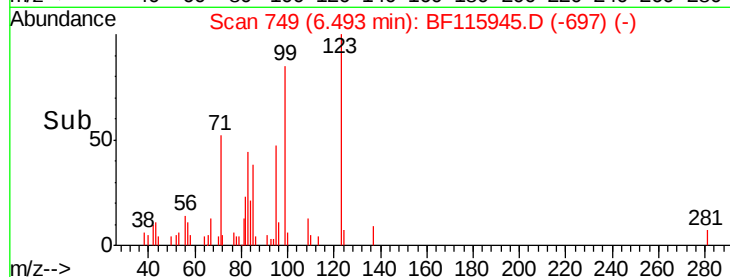
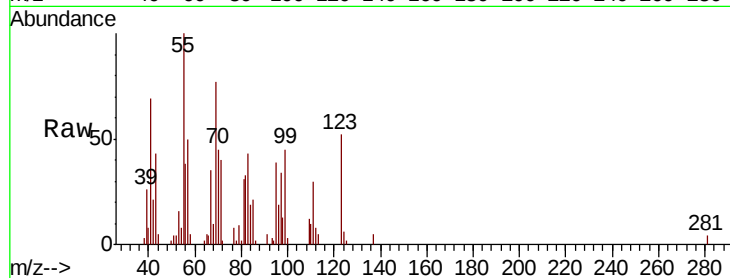
99 100

42 47.0 13.8 20.6#

71 88.8 27.1 40.7#

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BF115945.D

Acq: 2 Aug 2019 14:29

Tgt Ion: 136 Resp: 412130

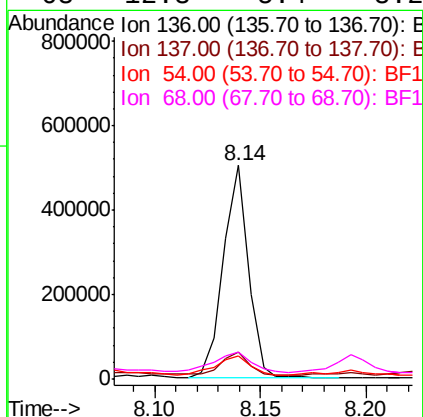
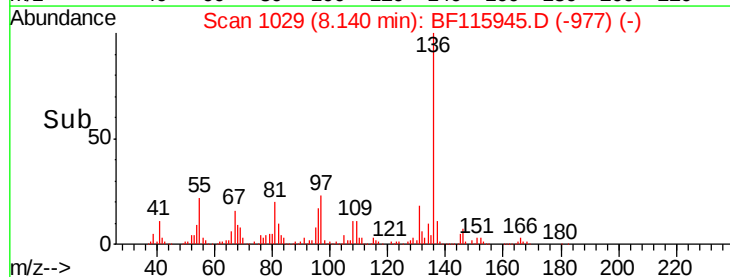
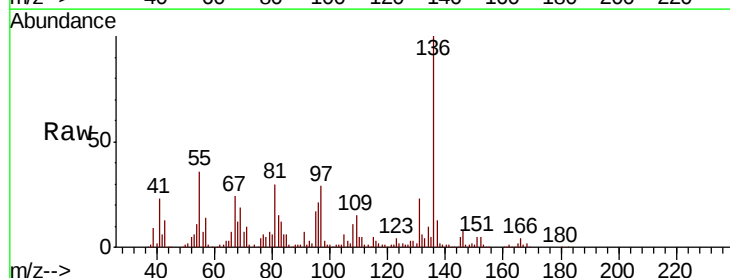
Ion Ratio Lower Upper

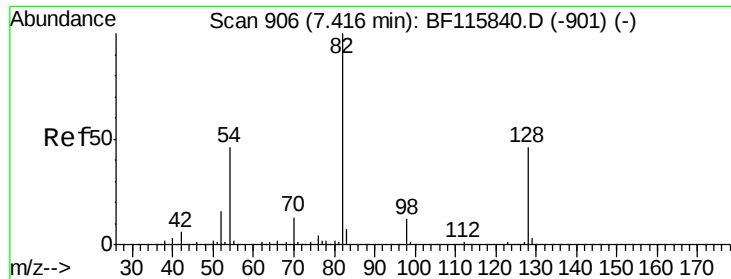
136 100

137 12.8 9.1 13.7

54 10.7 6.1 9.1#

68 12.3 5.4 8.2#





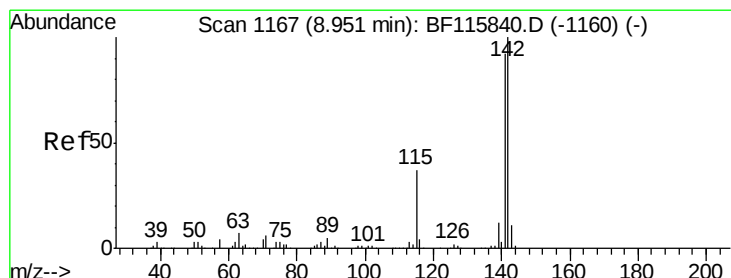
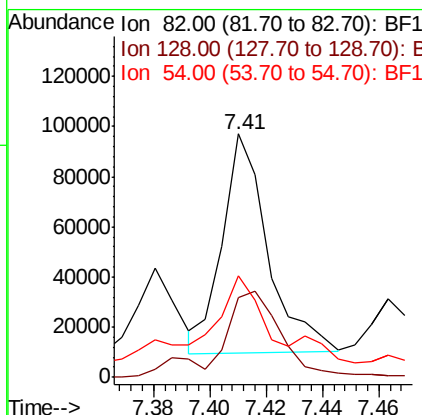
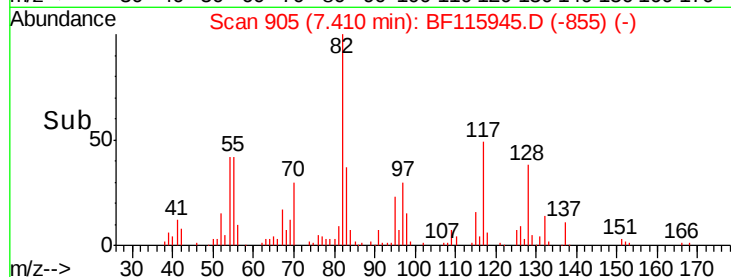
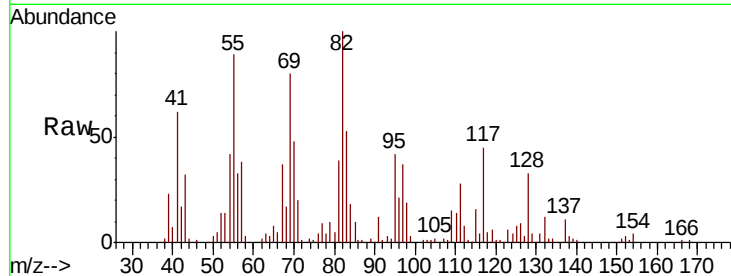
#23
Nitrobenzene-d5
Concen: 13.748 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115945.D
Acq: 2 Aug 2019 14:29

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	82	Resp	98160
Ion Ratio	100	Lower	Upper
82	100		
128	32.9	36.6	55.0#
54	41.8	36.6	55.0

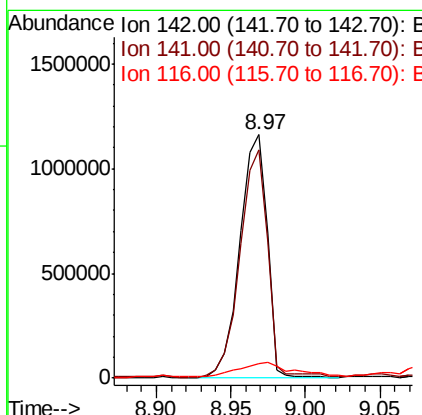
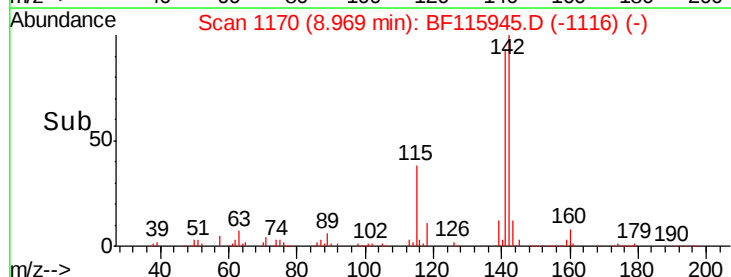
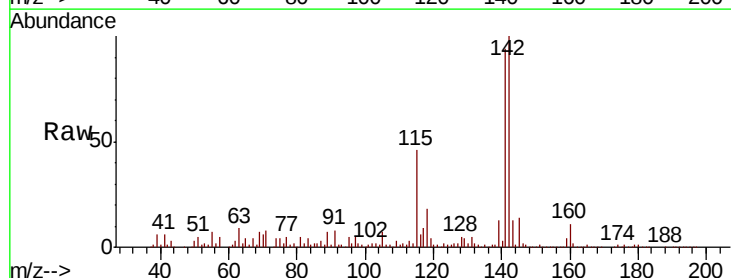
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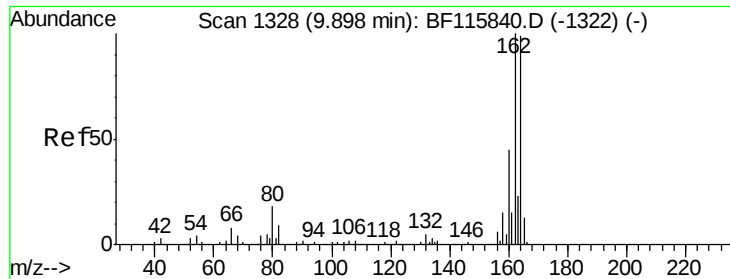
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#38
1-Methylnaphthalene
Concen: 122.775 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.02 min
Lab File: BF115945.D
Acq: 2 Aug 2019 14:29

Tgt Ion	142	Resp	1483534
Ion Ratio	100	Lower	Upper
142	100		
141	93.7	73.8	110.6
116	6.1	3.1	4.7#





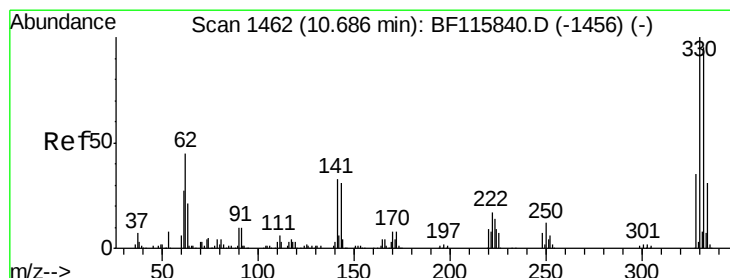
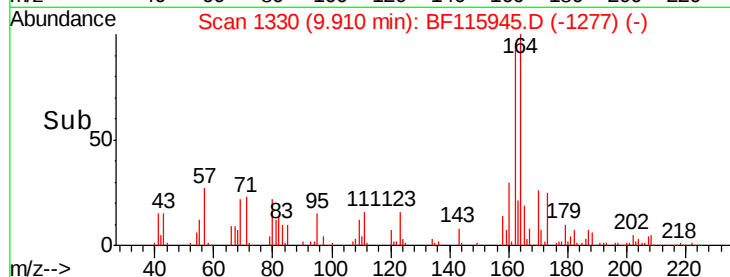
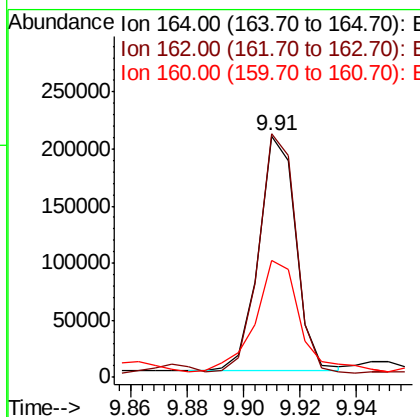
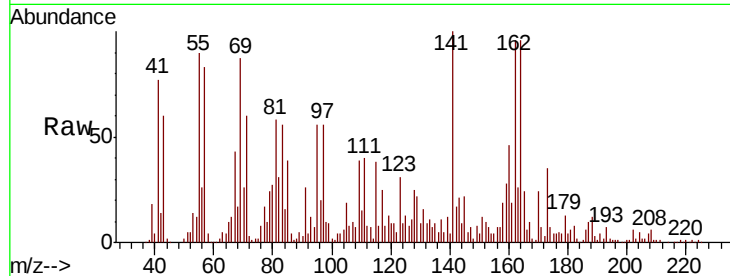
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: BF115945.D
 Acq: 2 Aug 2019 14:29

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tot Ion:	164	Resp:	188544
Ion Ratio	Lower	Upper	
164	100		
162	100.8	80.8	121.2
160	48.3	36.2	54.4

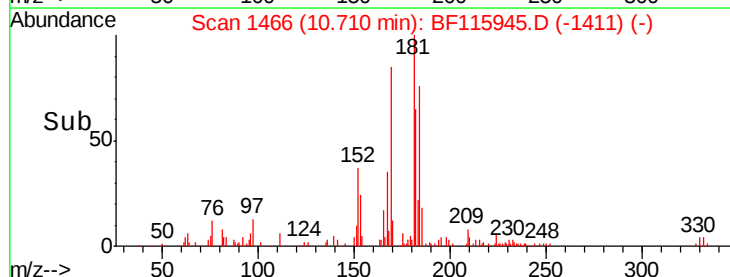
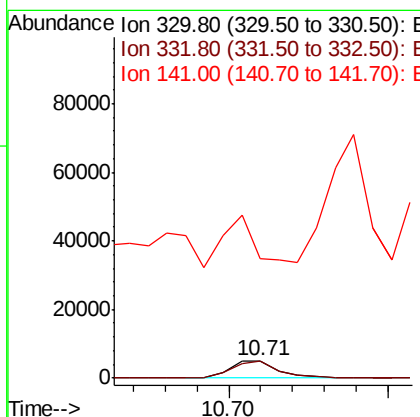
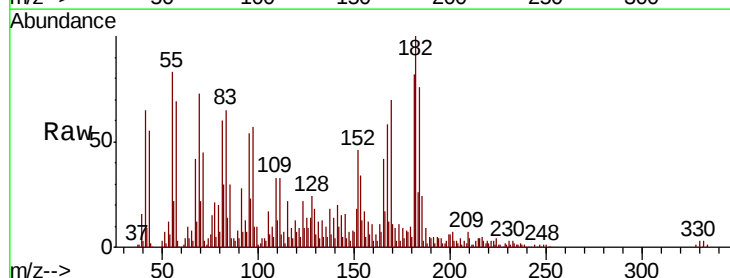
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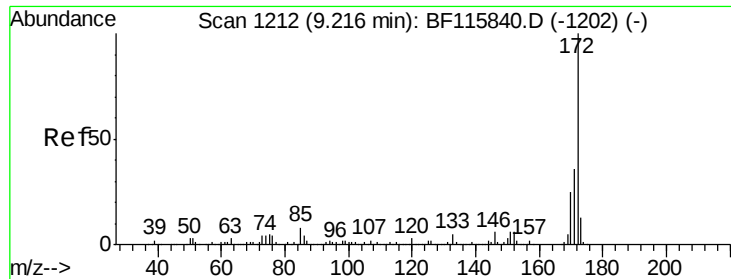
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#42
 2,4,6-Tribromophenol
 Concen: 2.887 ng m
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.02 min
 Lab File: BF115945.D
 Acq: 2 Aug 2019 14:29

Tgt Ion:	330	Resp:	5278
Ion Ratio	Lower	Upper	
330	100		
332	0.0	77.7	116.5#
141	0.0	28.1	42.1#





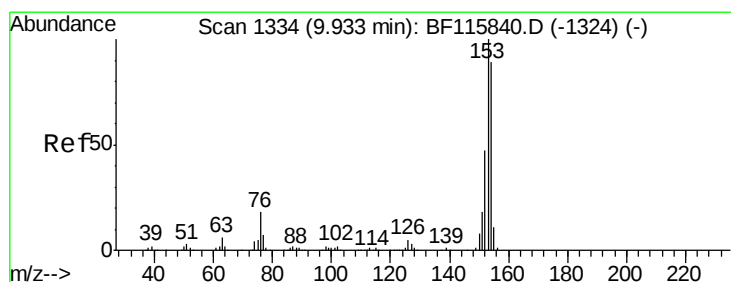
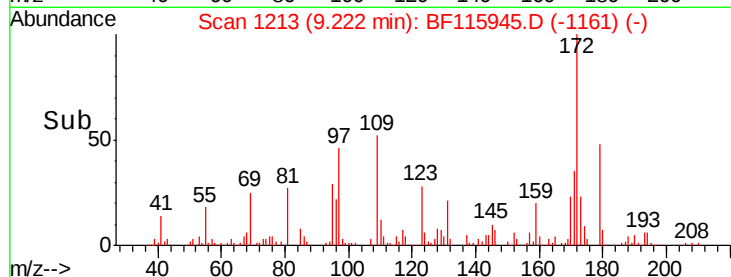
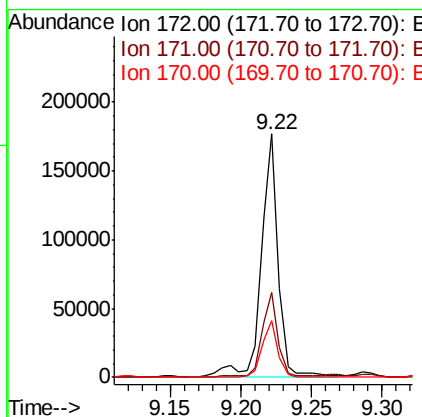
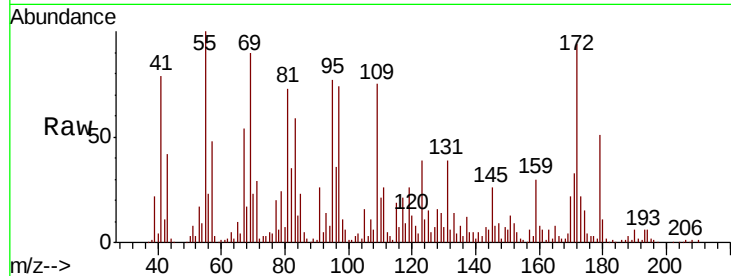
#45
2-Fluorobiphenyl
Concen: 15.117 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.01 min
Lab File: BF115945.D
Acq: 2 Aug 2019 14:29

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.1	43.7
170	23.1	20.1	30.1

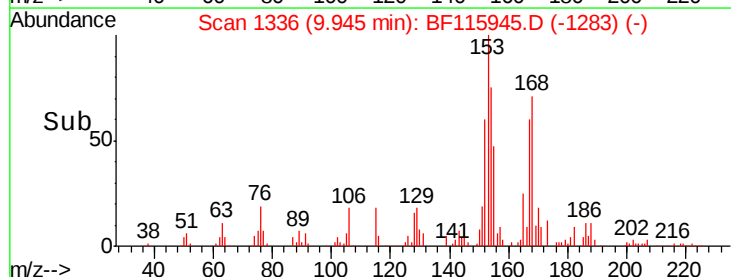
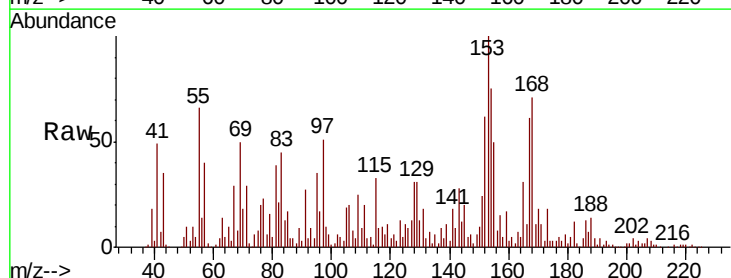
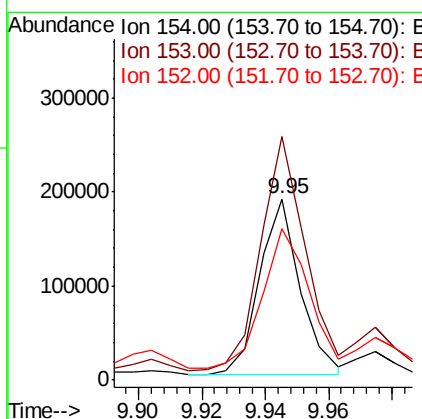
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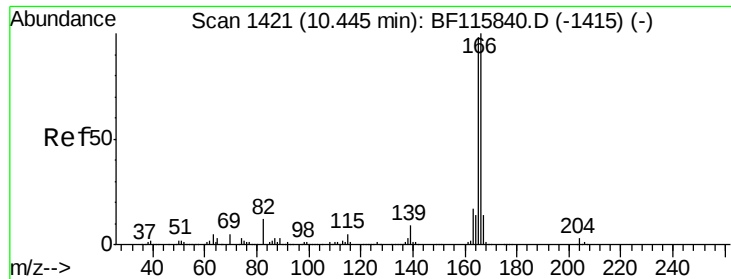
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#52
Acenaphthene
Concen: 16.766 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF115945.D
Acq: 2 Aug 2019 14:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	134.2	90.1	135.1
152	83.6	42.6	63.8





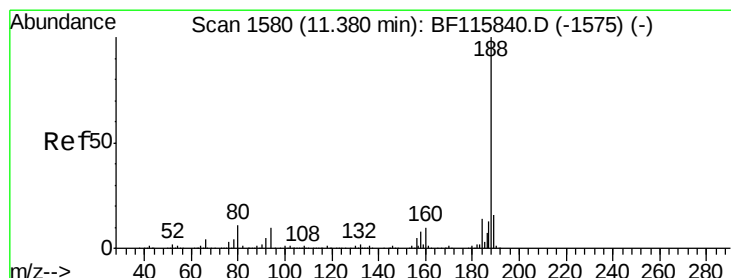
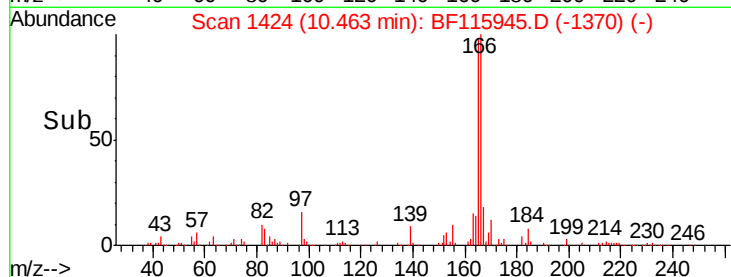
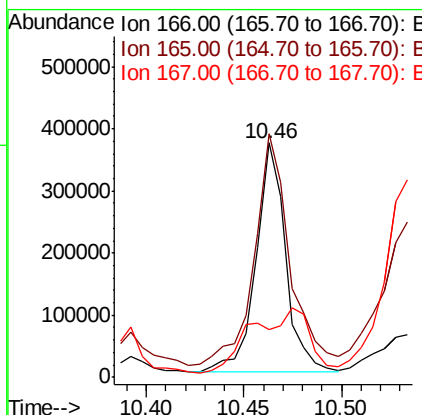
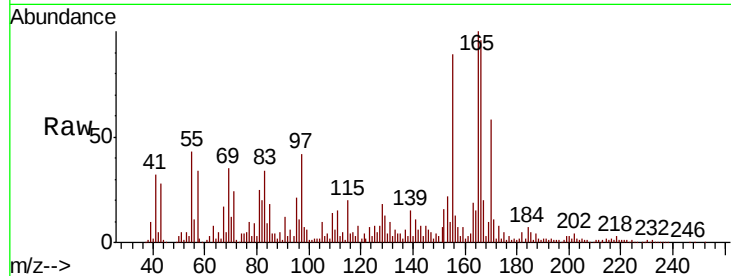
#58
Fluorene
 Concen: 35.188 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.02 min
 Lab File: BF115945.D
 Acq: 2 Aug 2019 14:29

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	103.8	78.6	118.0		
167	20.3	10.9	16.3		

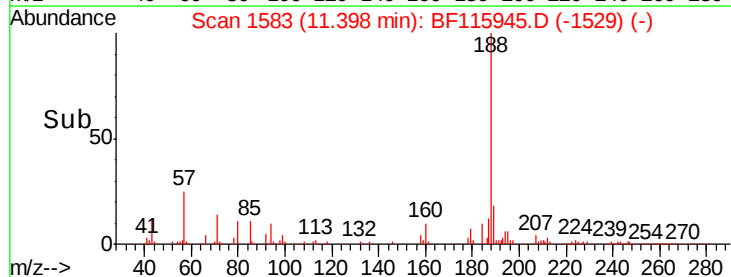
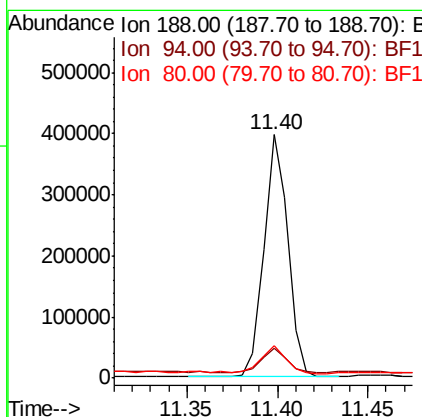
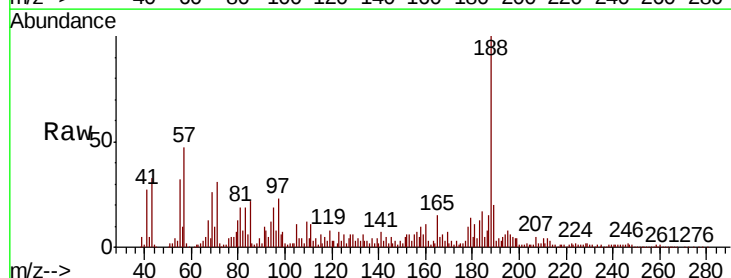
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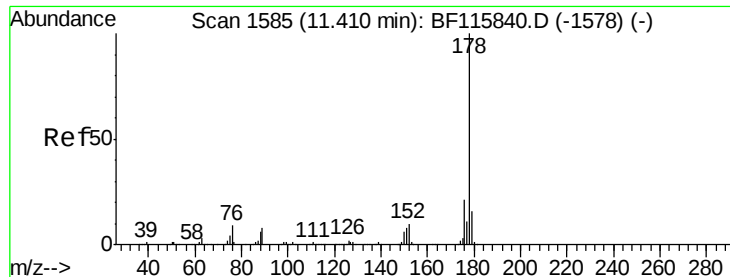
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.02 min
 Lab File: BF115945.D
 Acq: 2 Aug 2019 14:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	12.2	8.0	12.0		
80	13.3	8.6	12.8		





#71

Phenanthrene

Concen: 55.354 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.02 min

Lab File: BF115945.D

Acq: 2 Aug 2019 14:29

Instrument :

BNA_F

ClientSampled :

TP-8

Tot Ion:178 Resp: 1024901

Ion Ratio Lower Upper

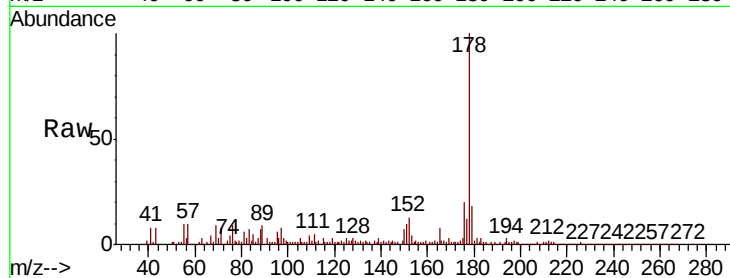
178 100

176 20.5 16.5 24.7

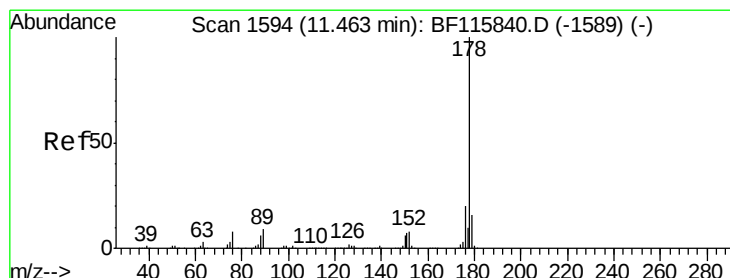
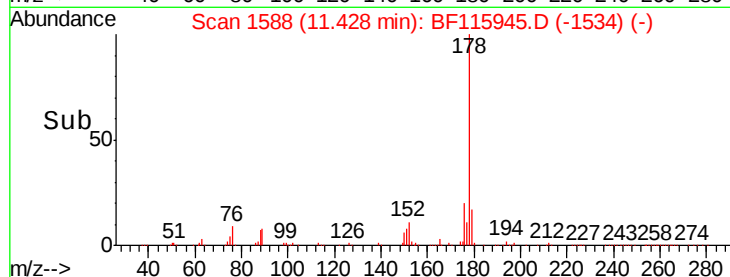
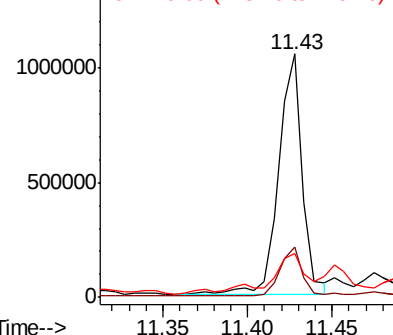
179 18.2 12.6 18.8

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 5.937 ng m

RT: 11.47 min Scan# 1596

Delta R.T. 0.01 min

Lab File: BF115945.D

Acq: 2 Aug 2019 14:29

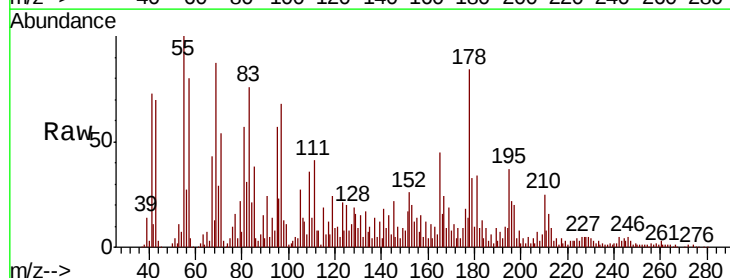
Tgt Ion:178 Resp: 111249

Ion Ratio Lower Upper

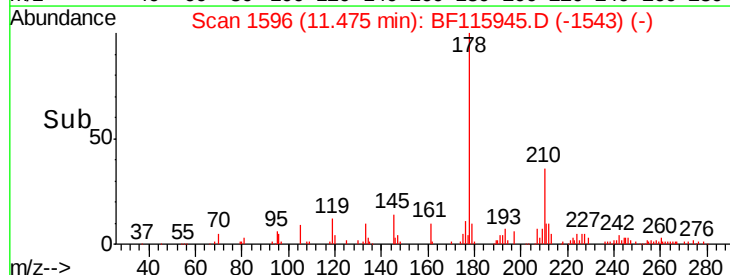
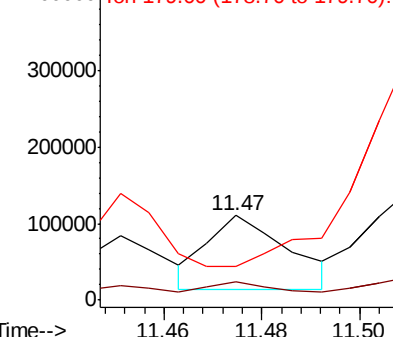
178 100

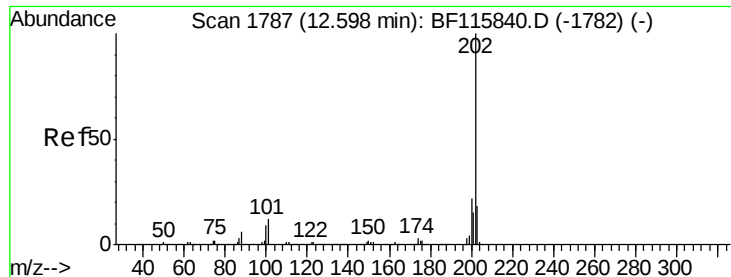
176 21.1 15.7 23.5

179 39.6 12.4 18.6#



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: 2.140 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF115945.D

Acq: 2 Aug 2019 14:29

Instrument :

BNA_F

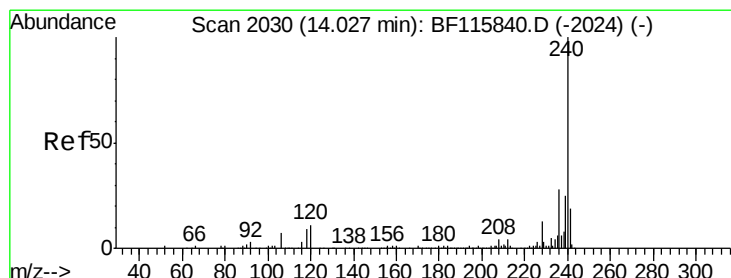
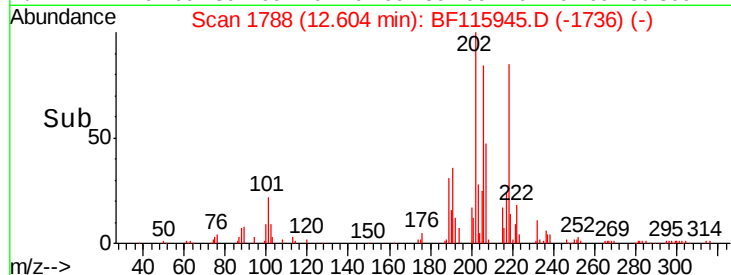
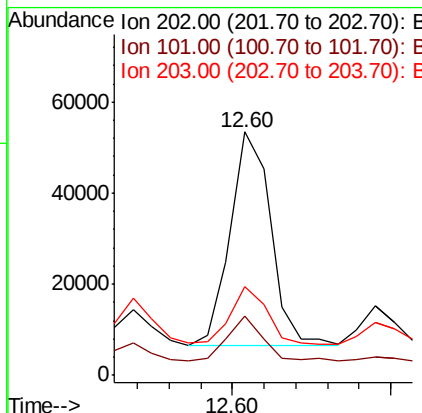
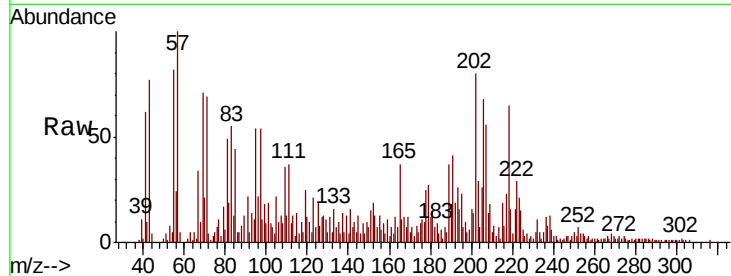
ClientSampled :

TP-8

Tot Ion:	202	Resp:	41488
Ion Ratio	Lower	Upper	
202	100		
101	24.2	0.0	31.5
203	36.5	0.0	37.9

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

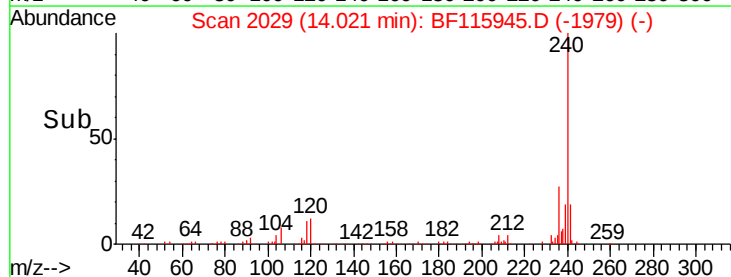
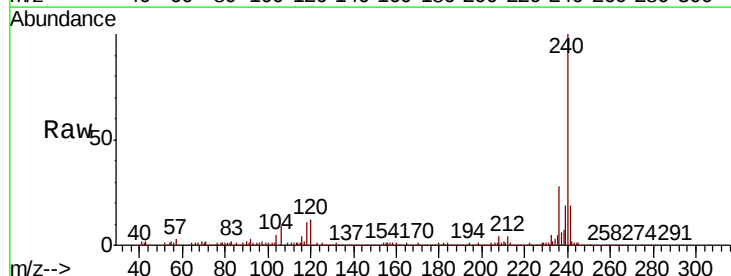
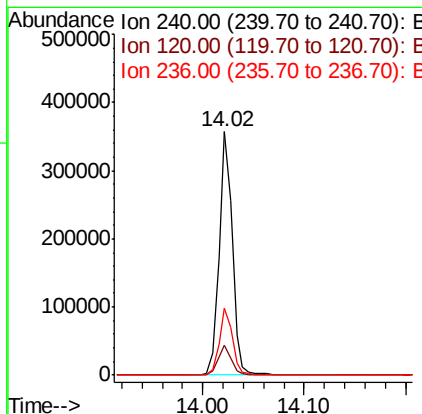
RT: 14.02 min Scan# 2029

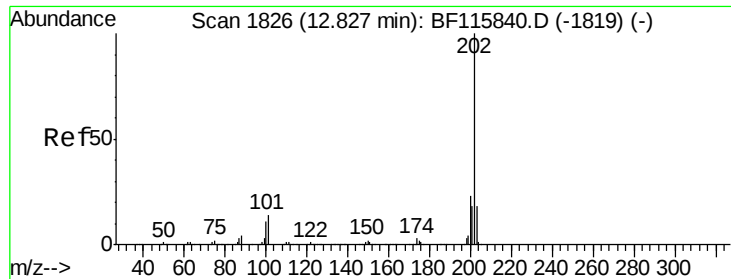
Delta R.T. -0.01 min

Lab File: BF115945.D

Acq: 2 Aug 2019 14:29

Tgt Ion:	240	Resp:	319343
Ion Ratio	Lower	Upper	
240	100		
120	12.4	8.5	12.7
236	27.5	22.2	33.2





#78

Pvrene

Concen: 6.711 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF115945.D

Acq: 2 Aug 2019 14:29

Instrument :

BNA_F

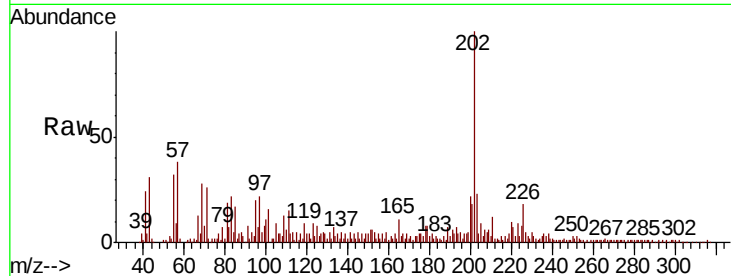
ClientSampleId :

TP-8

Tot Ion:	202	Resp:	161540
Ion Ratio		Lower	Upper
202	100		
200	21.9	18.2	27.2
203	23.1	14.3	21.5#

Manual Integrations
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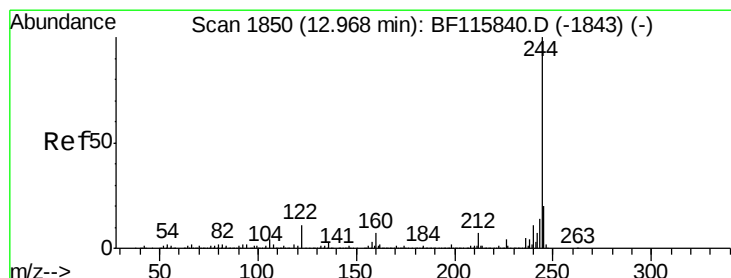
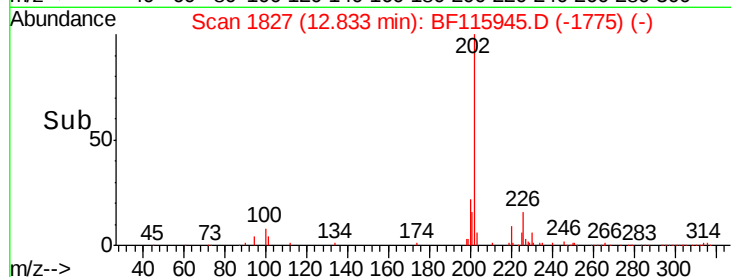
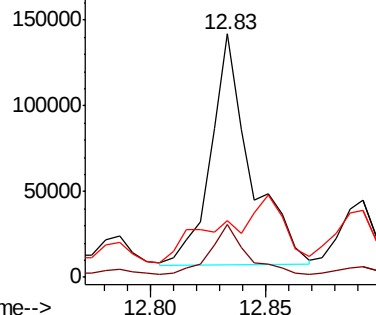


Abundance

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: 11.074 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF115945.D

Acq: 2 Aug 2019 14:29

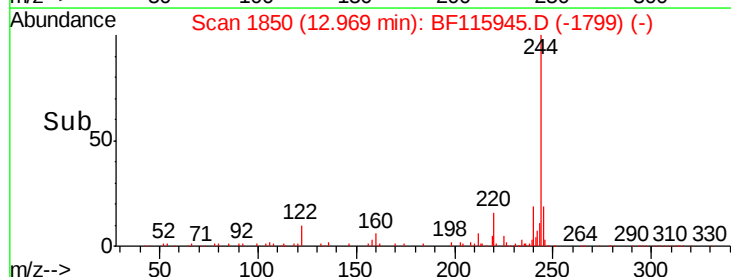
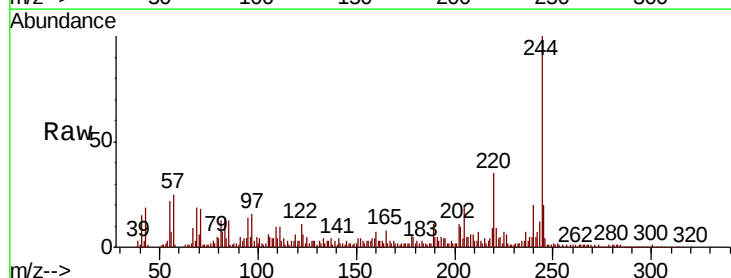
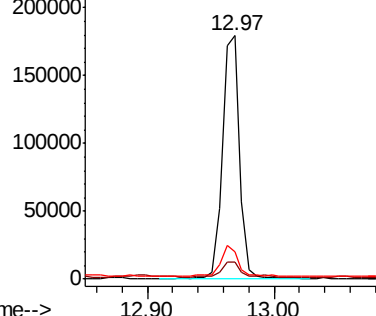
Tgt Ion:	244	Resp:	167829
Ion Ratio		Lower	Upper
244	100		
212	7.1	5.6	8.4
122	11.5	8.6	13.0

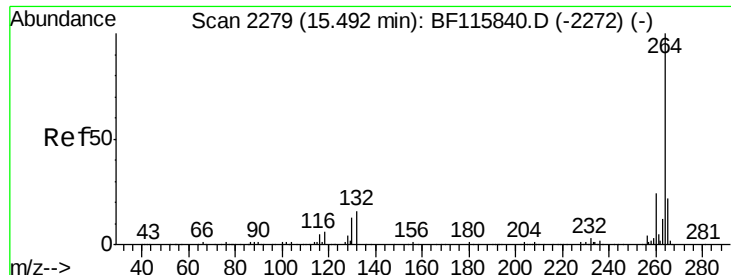
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF115945.D
Acq: 2 Aug 2019 14:29

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion:	264	Resp:	341540
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.4	29.2
265	21.8	17.5	26.3

Manual Integrations
APPROVED

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