

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
 Data File : BF115258.D
 Acq On : 28 Jun 2019 2:14
 Operator : HP/JU
 Sample : K3157-15 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-062619-C

Manual Integrations
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Quant Time: Jun 28 07:43:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	240565	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	937555	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	472821	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	942042	20.00	ng	0.00
76) Chrysene-d12	13.72	240	697512	20.00	ng	0.00
87) Perylene-d12	15.08	264	560603	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	668225	42.87	ng	0.00
7) Phenol-d6	6.24	99	862697	45.59	ng	0.00
23) Nitrobenzene-d5	7.15	82	495650	32.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.41	330	259597	52.06	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	994169	35.72	ng	0.00
79) Terphenyl-d14	12.68	244	1145347	34.91	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.35	163	194277	5.585	ng	99
71) Phenanthrene	11.12	178	274040	5.403	ng	96
75) Fluoranthene	12.30	202	375940	7.429	ng	98
78) Pyrene	12.52	202	387527	7.229	ng	98
81) Benzo(a)anthracene	13.71	228	167113	3.339	ng	93
83) Chrysene	13.74	228	170848	3.727	ng	95
88) Benzo(b)fluoranthene	14.71	252	177869m	5.085	ng	
90) Benzo(a)pyrene	15.02	252	120300	3.816	ng	# 89

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

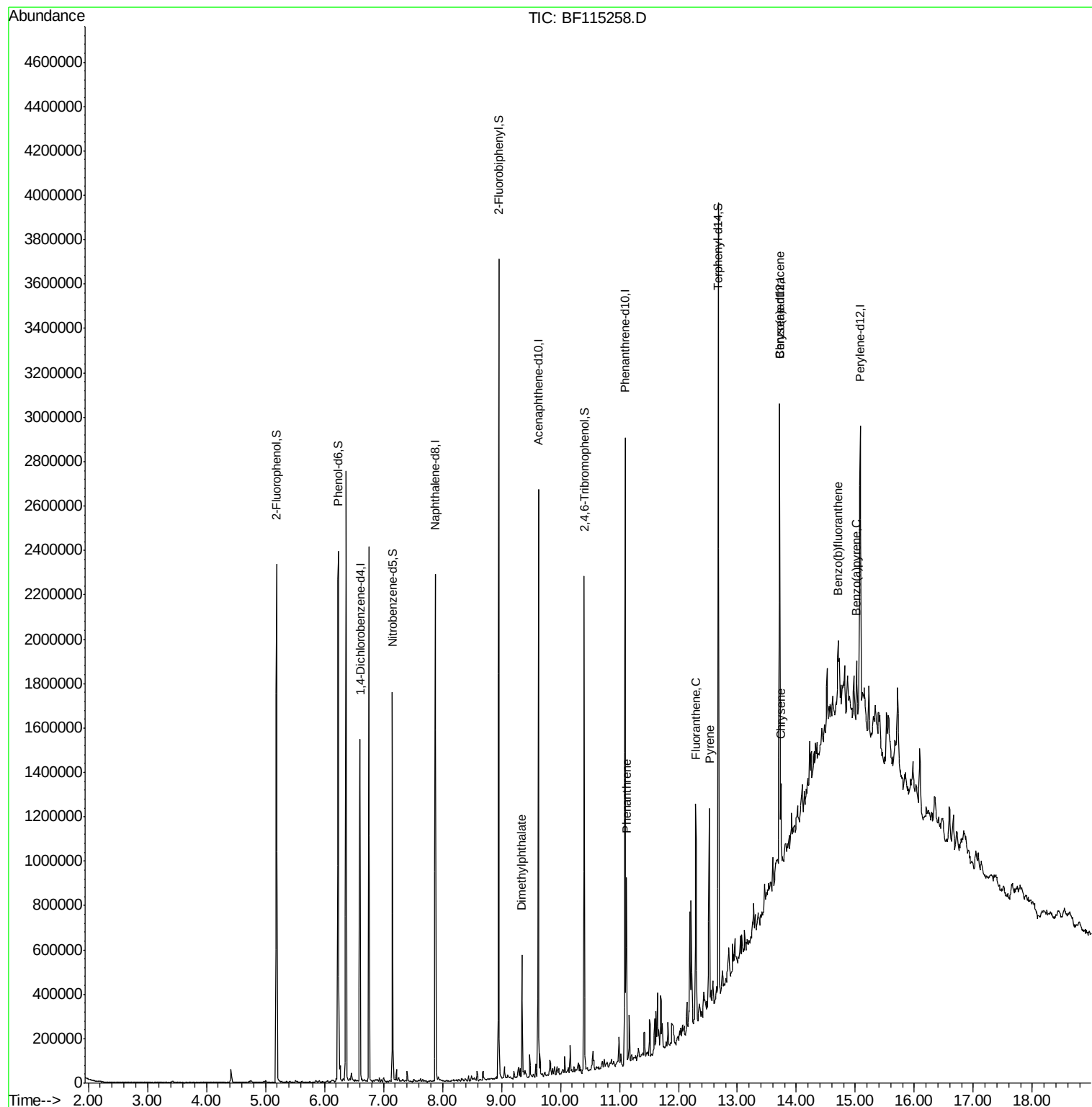
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062719\
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Operator : HP/JU
Sample : K3157-15 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

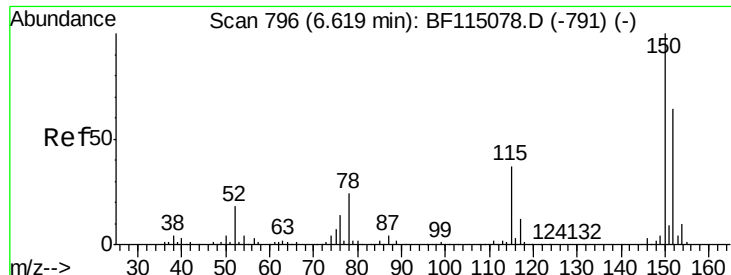
Instrument :
BNA_F
ClientSampleId :
CL-02-062619-C

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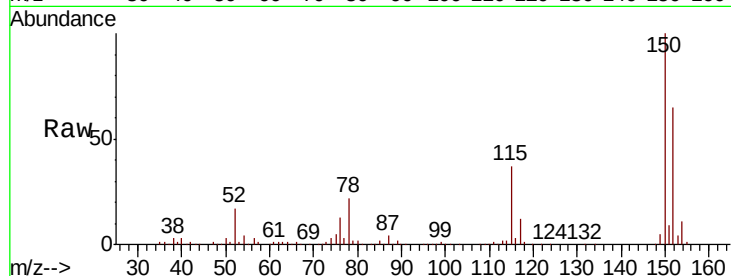
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.60 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: BF115258.D
 Acq: 28 Jun 2019 2:14

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-062619-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.2	186.2
115	56.7	46.1	69.1

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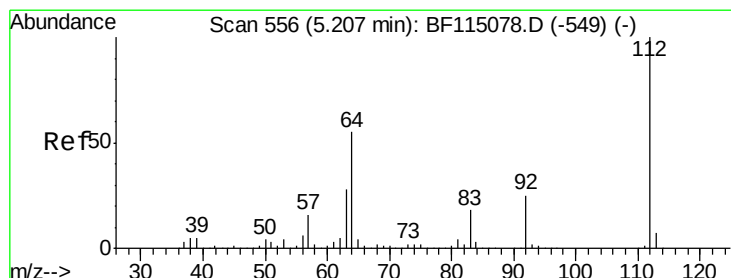
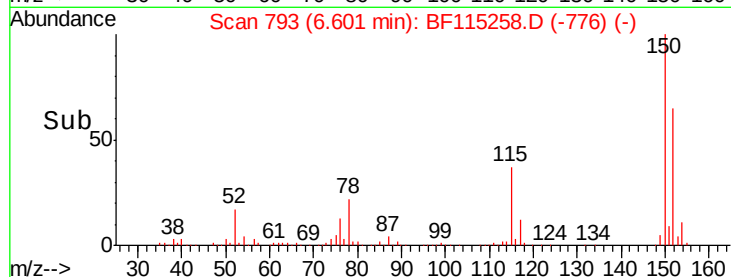
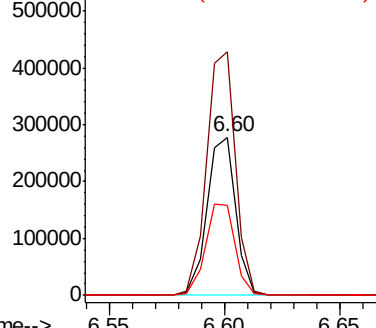


Abundance

Ion 152.00 (151.70 to 152.70): E

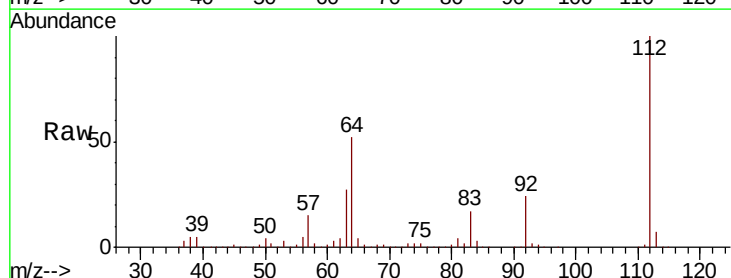
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 42.865 ng
 RT: 5.19 min Scan# 553
 Delta R.T. 0.00 min
 Lab File: BF115258.D
 Acq: 28 Jun 2019 2:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	43.8	65.6
63	26.6	22.2	33.4

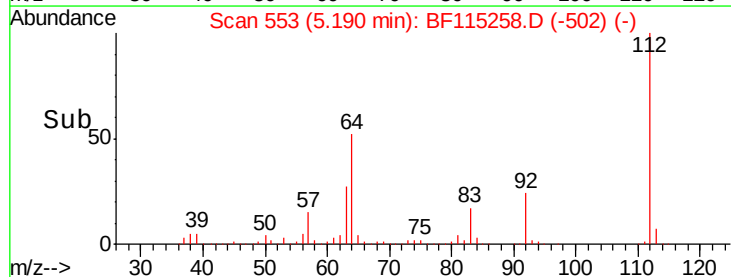
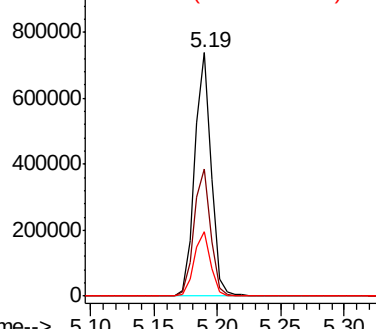


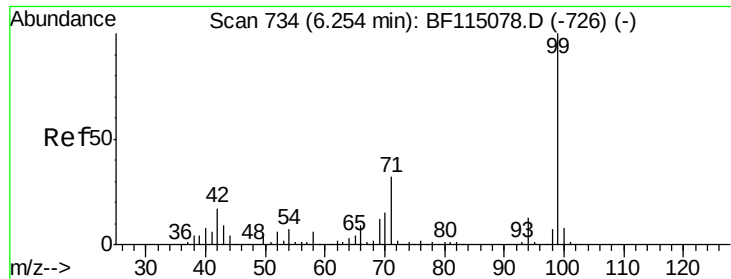
Abundance

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: 45.594 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115258.D

Acq: 28 Jun 2019 2:14

Instrument :

BNA_F

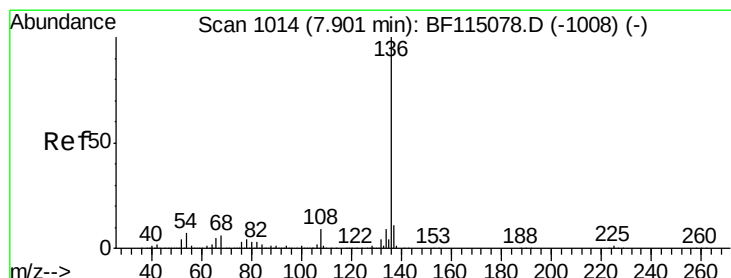
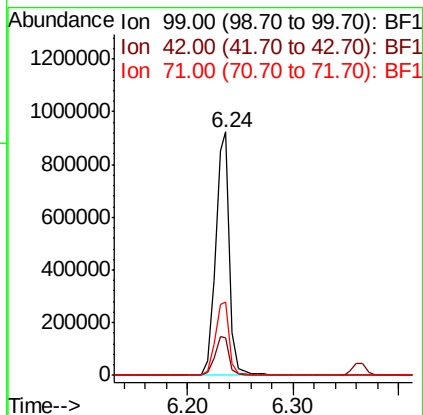
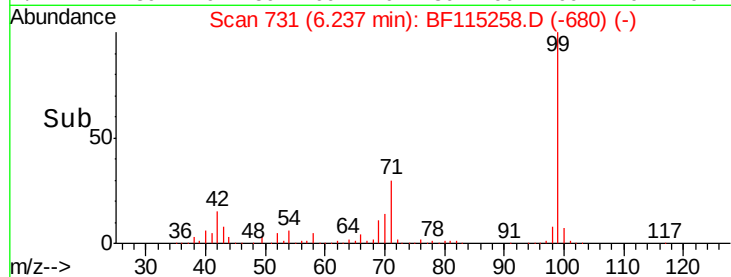
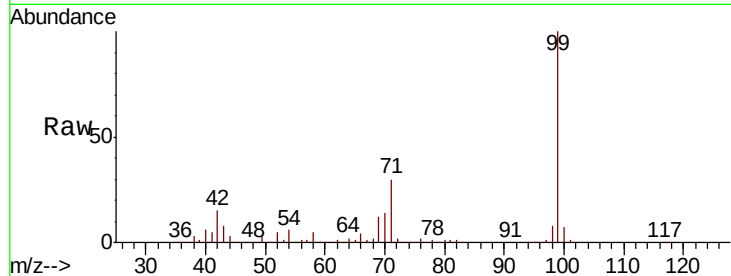
ClientSampleId :

CL-02-062619-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		862697		
42	15.4	13.6	20.4		
71	30.0	25.5	38.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

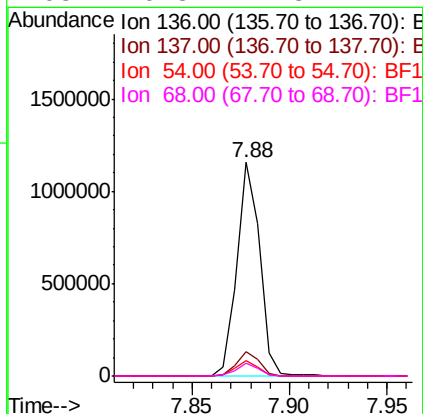
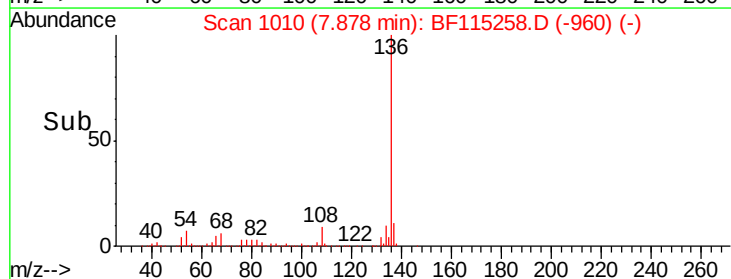
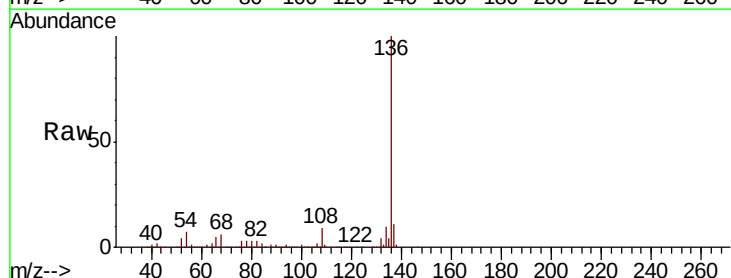
RT: 7.88 min Scan# 1010

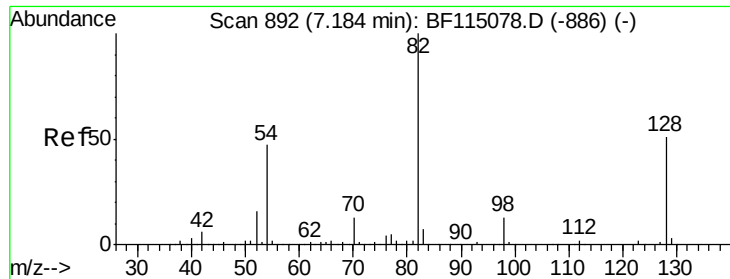
Delta R.T. -0.01 min

Lab File: BF115258.D

Acq: 28 Jun 2019 2:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		937555		
137	11.4	8.9	13.3		
54	7.4	5.6	8.4		
68	6.3	4.8	7.2		





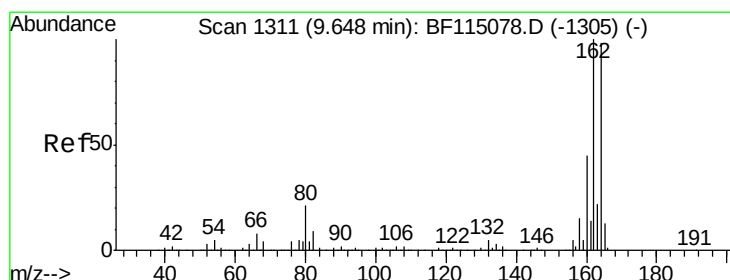
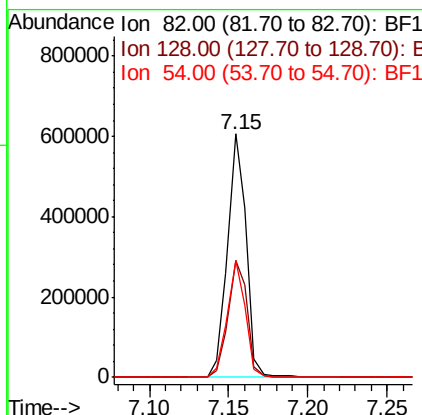
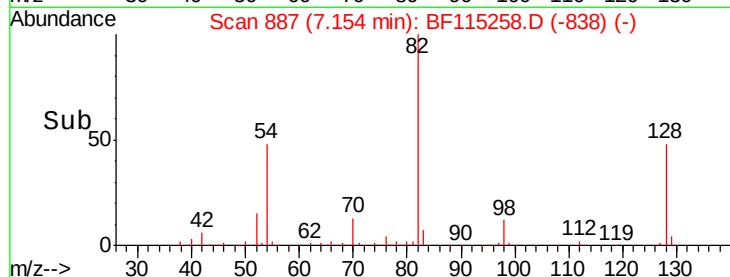
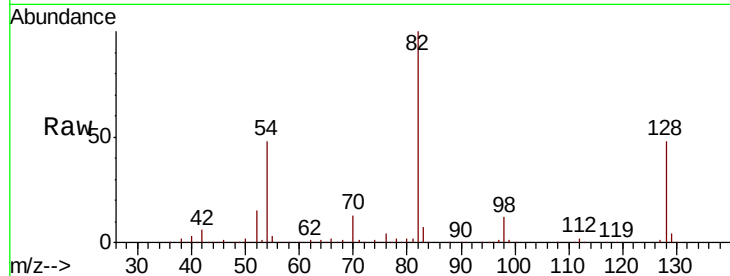
#23
Nitrobenzene-d5
Concen: 32.521 ng
RT: 7.15 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF115258.D
Acq: 28 Jun 2019 2:14

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-C

Tot Ion	Ratio	Resp	Lower	Upper
82	100	495650		
128	48.0		40.4	60.6
54	47.8		37.5	56.3

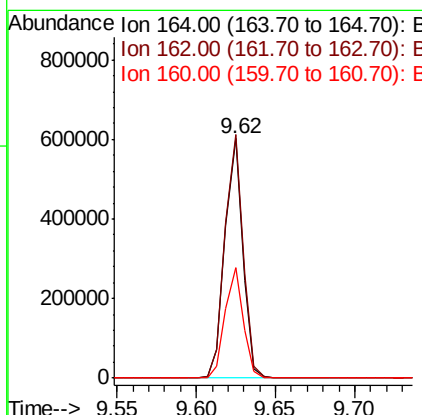
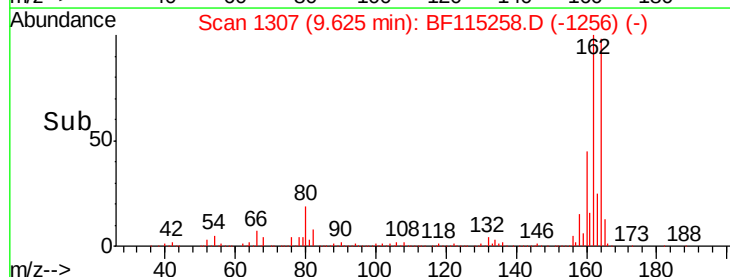
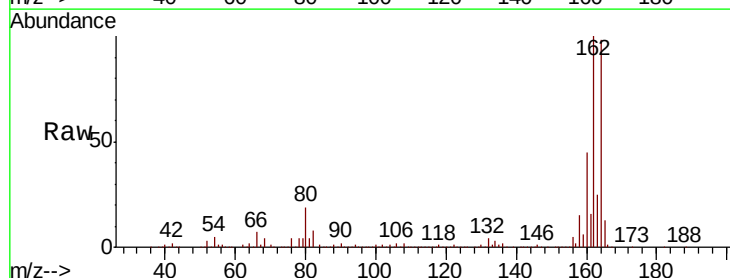
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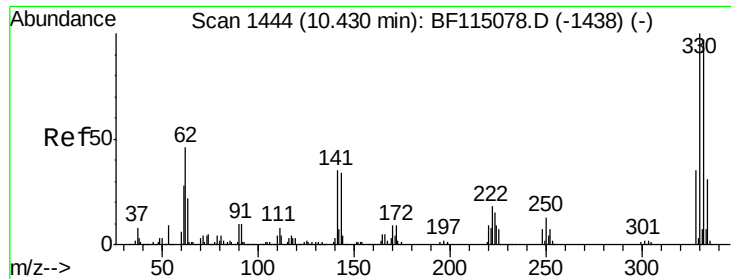
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF115258.D
Acq: 28 Jun 2019 2:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	472821		
162	101.6		81.7	122.5
160	46.2		37.0	55.4





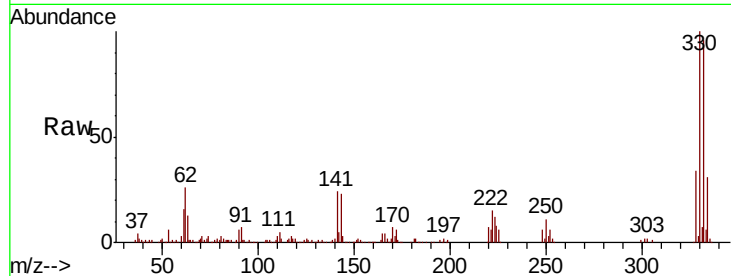
#42
 2,4,6-Tribromophenol
 Concen: 52.064 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115258.D
 Acq: 28 Jun 2019 2:14

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-062619-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	259597		
332	96.5	77.3	115.9	
141	32.5	28.2	42.2	

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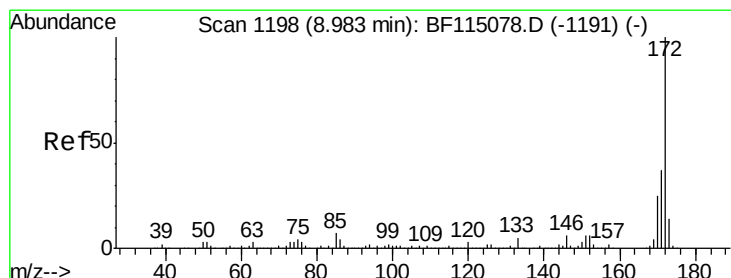
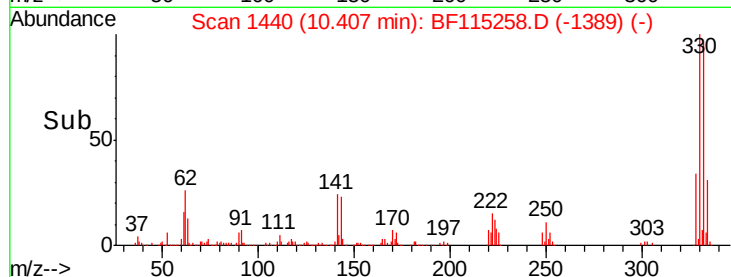
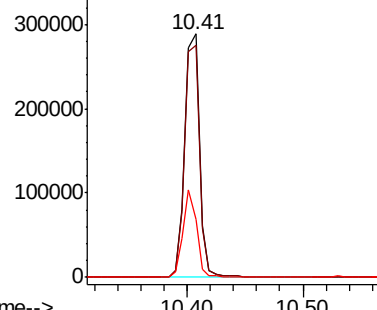


Abundance

Ion 329.80 (329.50 to 330.50): E

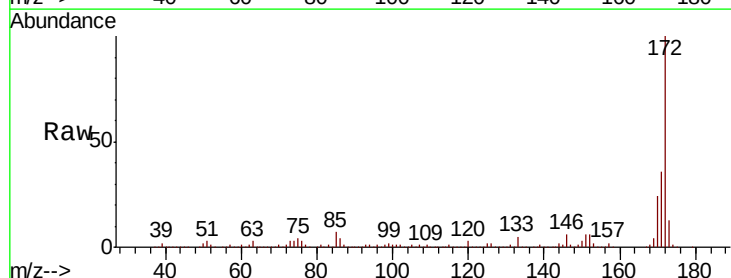
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 35.716 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115258.D
 Acq: 28 Jun 2019 2:14

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	994169		
171	35.7	29.8	44.6	
170	24.1	20.3	30.5	

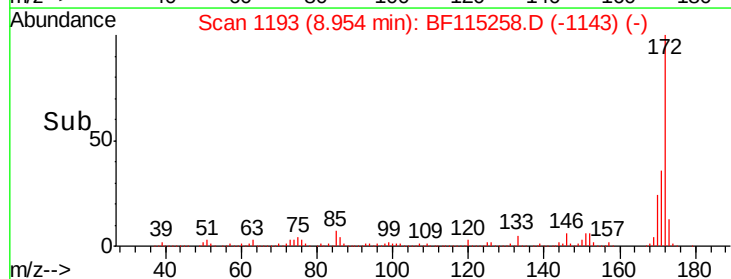
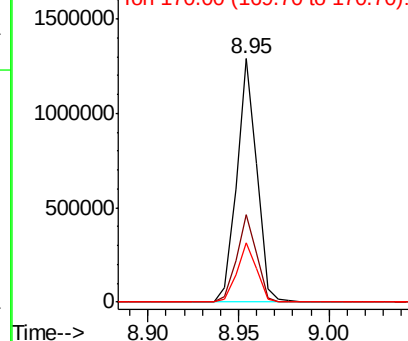


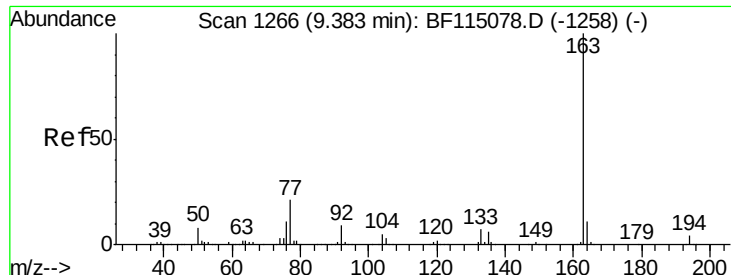
Abundance

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





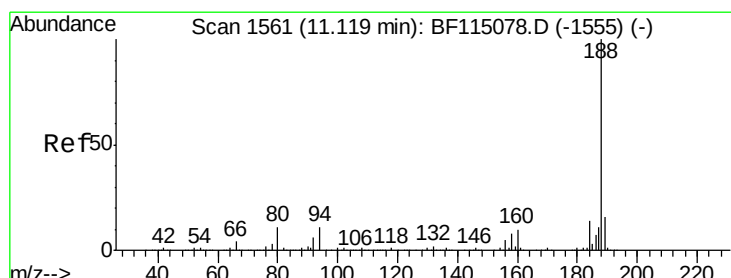
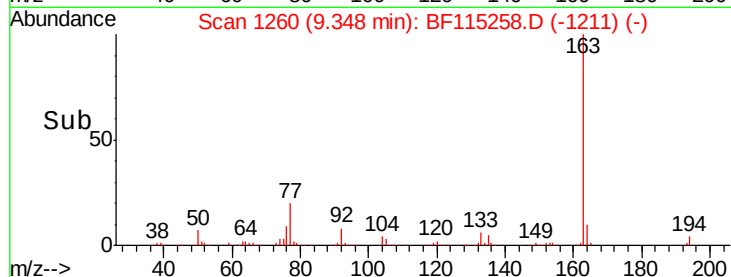
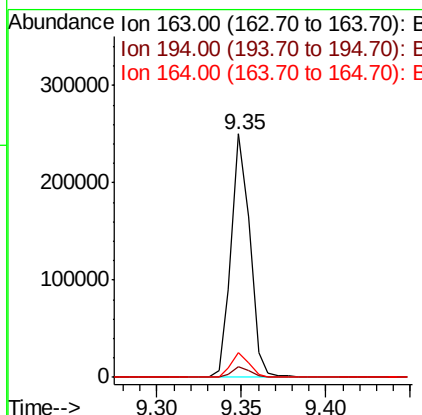
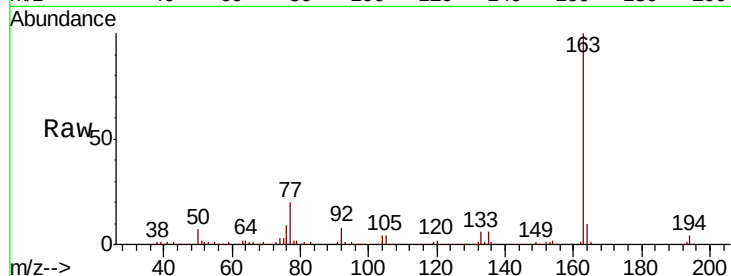
#50
Dimethylphthalate
Concen: 5.585 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115258.D
Acq: 28 Jun 2019 2:14

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	194277		
194	4.2		3.2	4.8
164	10.1		8.6	13.0

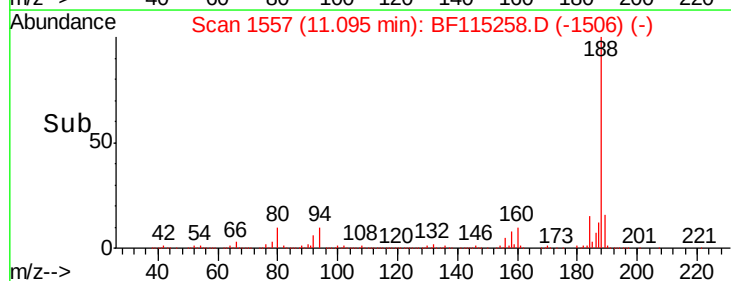
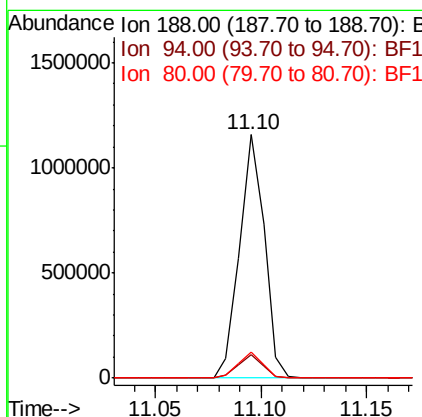
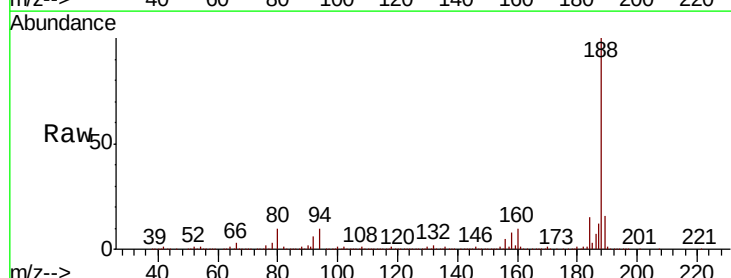
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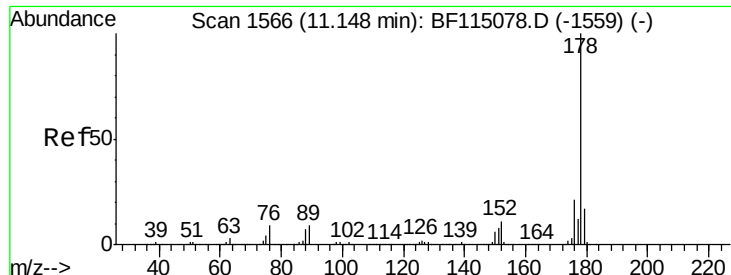
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF115258.D
Acq: 28 Jun 2019 2:14

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	942042		
94	9.8		8.6	12.8
80	10.5		8.8	13.2





#71

Phenanthrene

Concen: 5.403 ng

RT: 11.12 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF115258.D

Acq: 28 Jun 2019 2:14

Instrument :

BNA_F

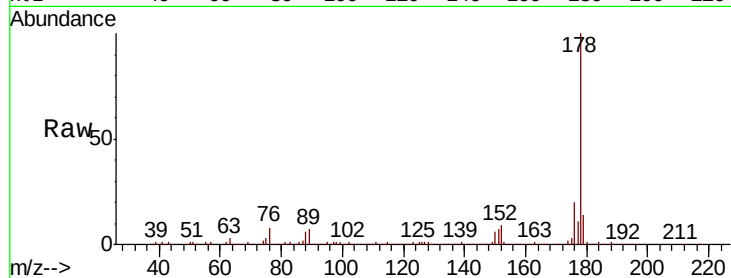
ClientSampleId :

CL-02-062619-C

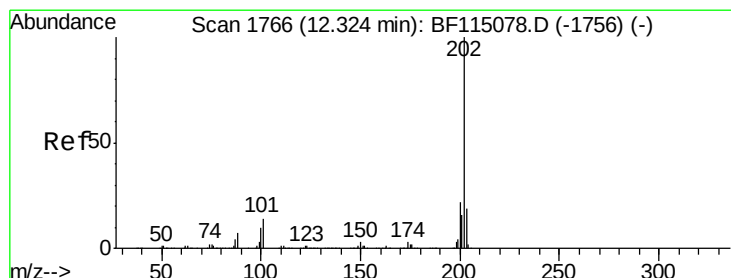
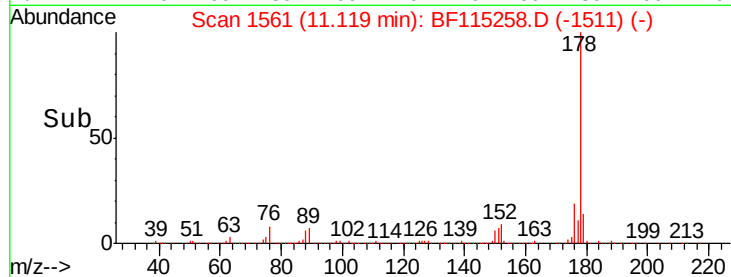
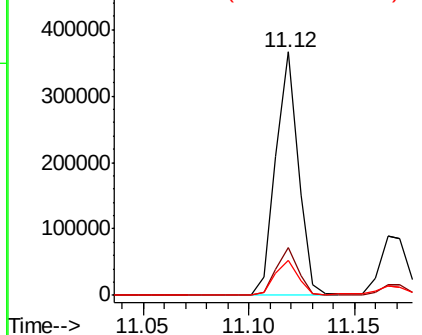
Tot Ion:	178	Resp:	274040
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.9	25.3
179	14.4	13.2	19.8

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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



#75

Fluoranthene

Concen: 7.429 ng

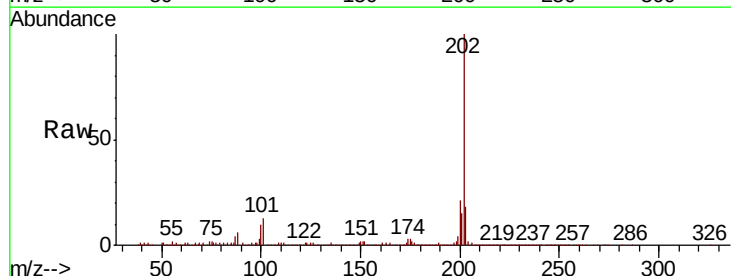
RT: 12.30 min Scan# 1761

Delta R.T. -0.01 min

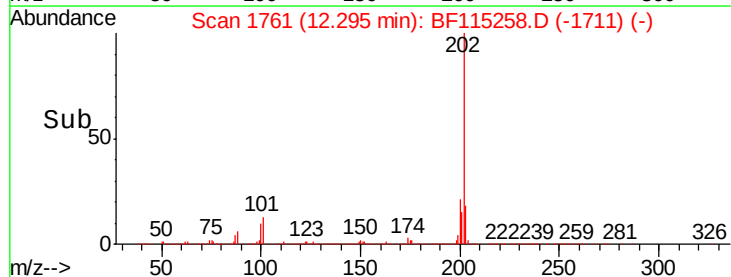
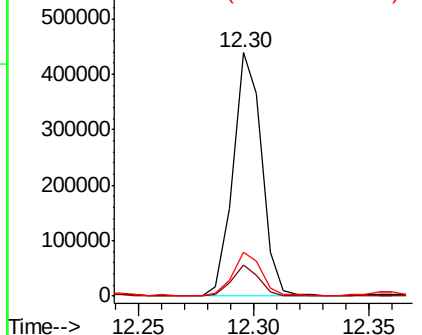
Lab File: BF115258.D

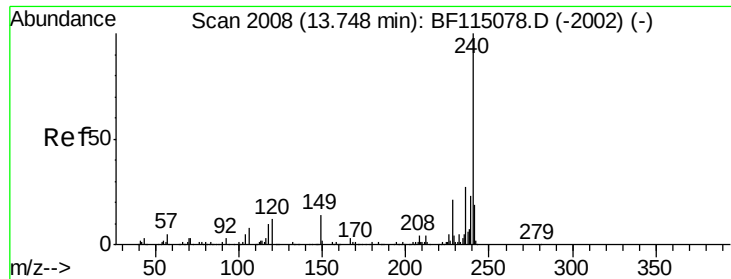
Acq: 28 Jun 2019 2:14

Tgt Ion:	202	Resp:	375940
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	34.0
203	17.9	0.0	38.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.72 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF115258.D

Acq: 28 Jun 2019 2:14

Instrument :

BNA_F

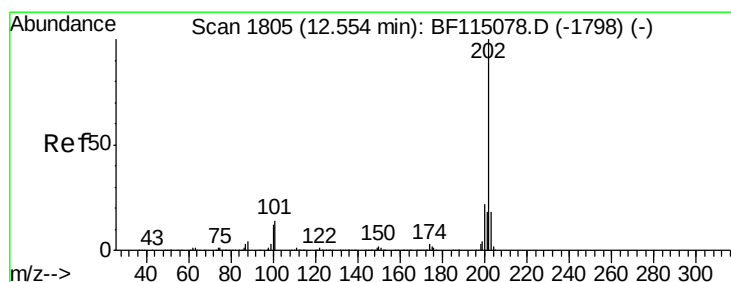
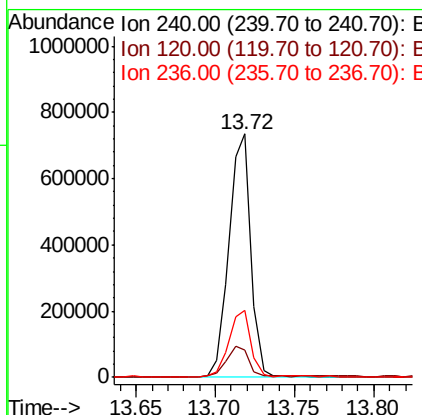
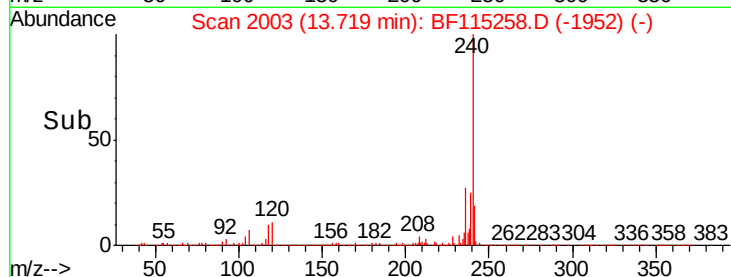
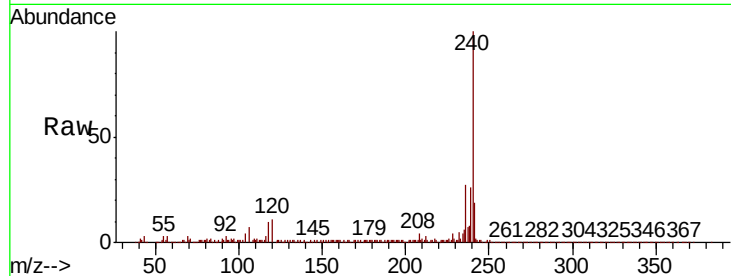
ClientSampleId :

CL-02-062619-C

Tot Ion:	240	Resp:	697512
Ion Ratio	Lower	Upper	
240	100		
120	11.5	9.4	14.2
236	27.3	21.7	32.5

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#78

Pyrene

Concen: 7.229 ng

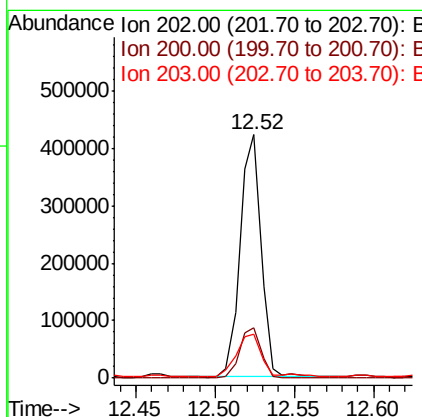
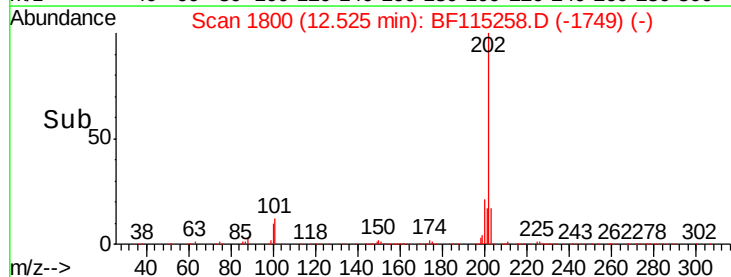
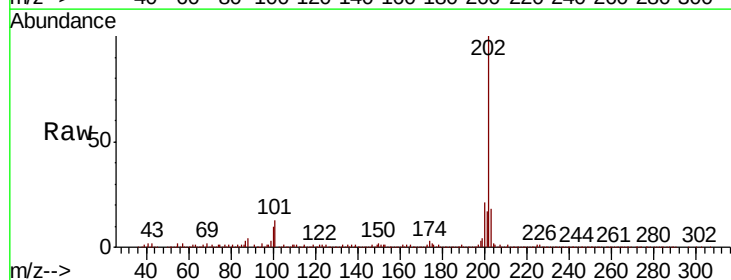
RT: 12.52 min Scan# 1800

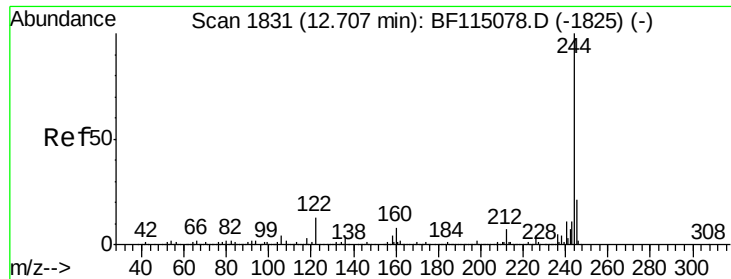
Delta R.T. 0.00 min

Lab File: BF115258.D

Acq: 28 Jun 2019 2:14

Tgt Ion:	202	Resp:	387527
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.9	26.9
203	17.8	14.6	21.8





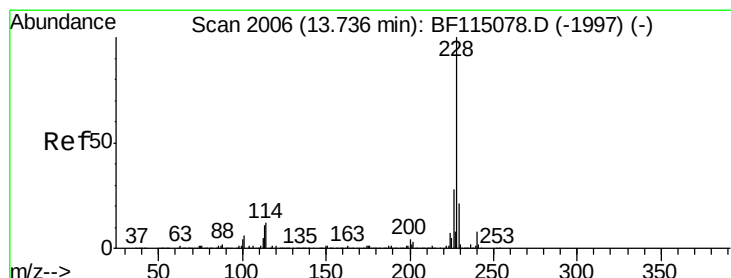
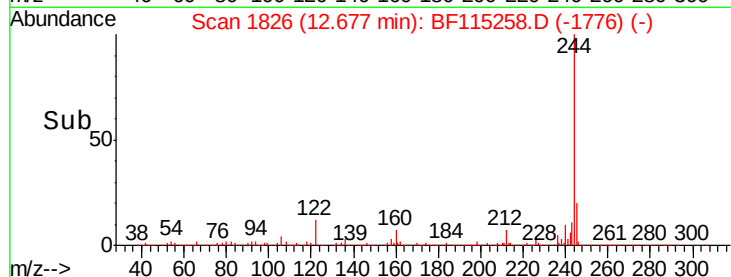
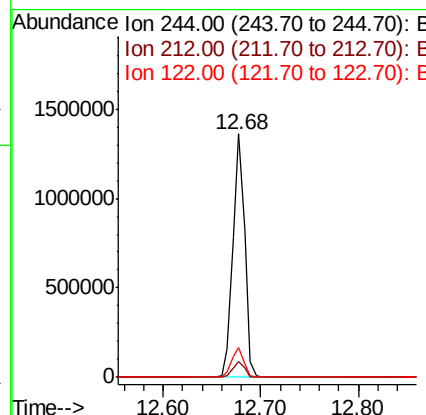
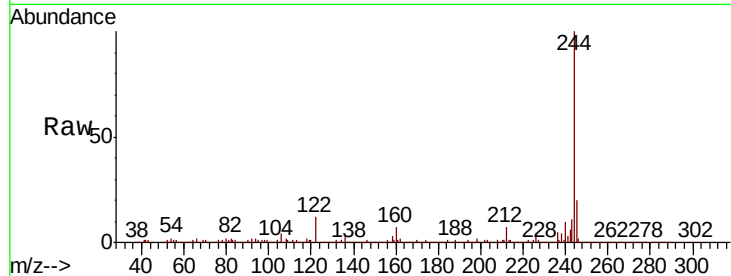
#79
 Terphenyl-d14
 Concen: 34.912 ng
 RT: 12.68 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF115258.D
 Acq: 28 Jun 2019 2:14

Instrument :
 BNA_F
 ClientSampled :
 CL-02-062619-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	12.1	10.4	15.6

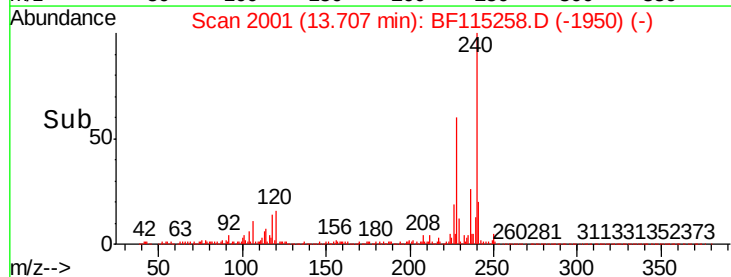
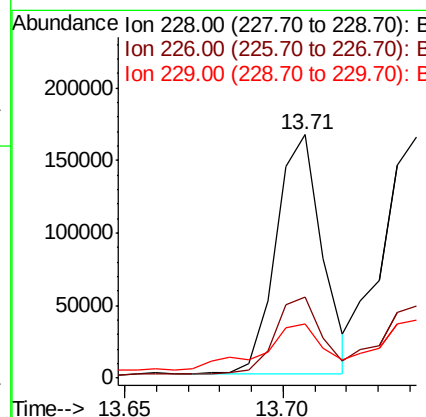
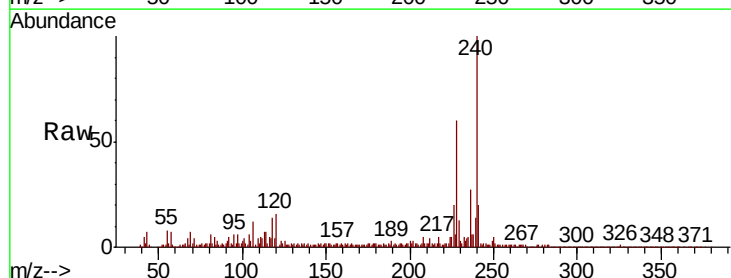
Manual Integrations
 APPROVED

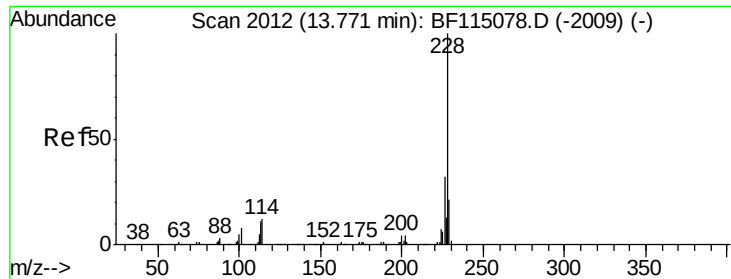
mohammad
 6/28/2019 2:59:01 PM



#81
 Benzo(a)anthracene
 Concen: 3.339 ng
 RT: 13.71 min Scan# 2001
 Delta R.T. 0.00 min
 Lab File: BF115258.D
 Acq: 28 Jun 2019 2:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	22.5	33.7
229	22.5	16.6	24.8





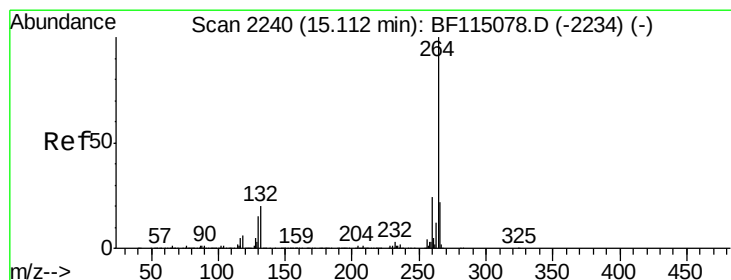
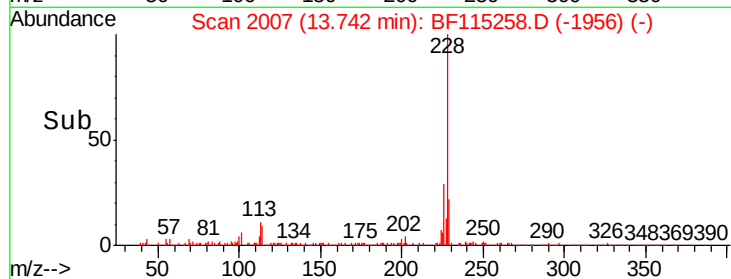
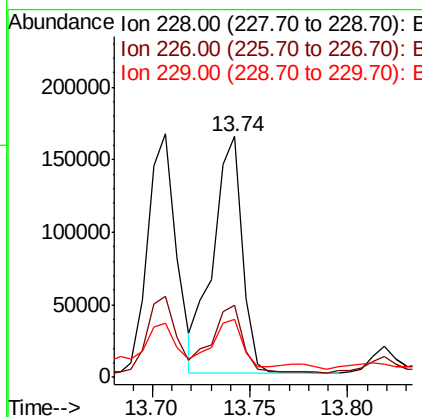
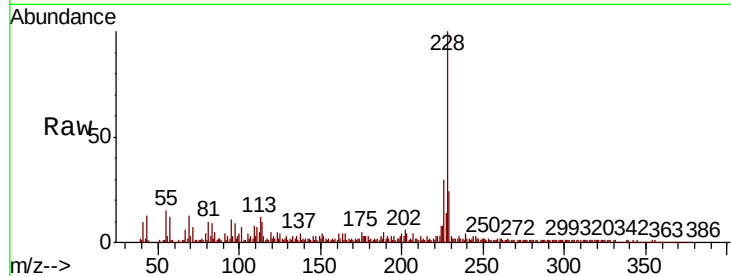
#83
Chrysene
Concen: 3.727 ng
RT: 13.74 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BF115258.D
Acq: 28 Jun 2019 2:14

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-C

Tot Ion:	228	Resp:	170848
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.4	38.0
229	24.0	16.5	24.7

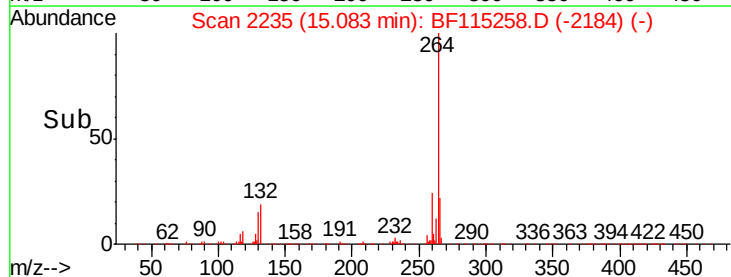
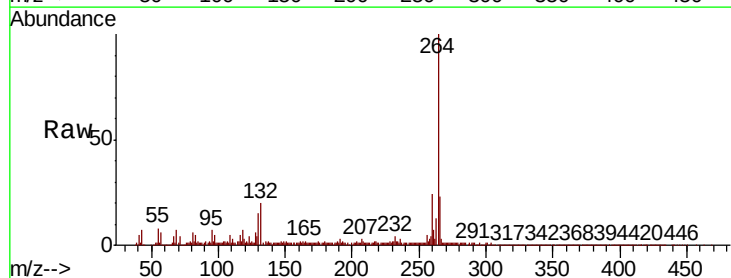
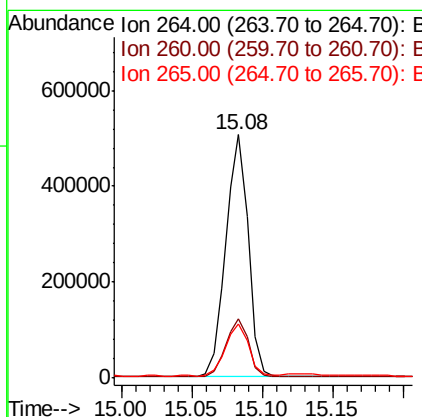
Manual Integrations
APPROVED

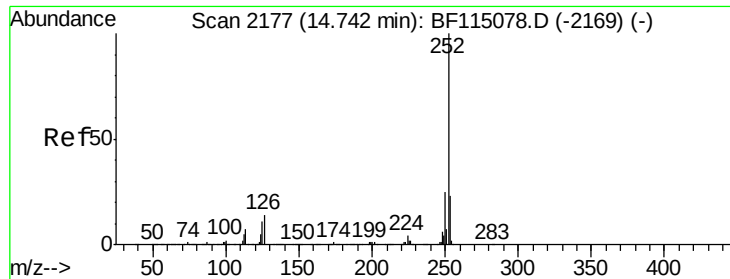
mohammad
6/28/2019 2:59:01 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.08 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF115258.D
Acq: 28 Jun 2019 2:14

Tgt Ion:	264	Resp:	560603
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.6	29.4
265	22.5	17.3	25.9





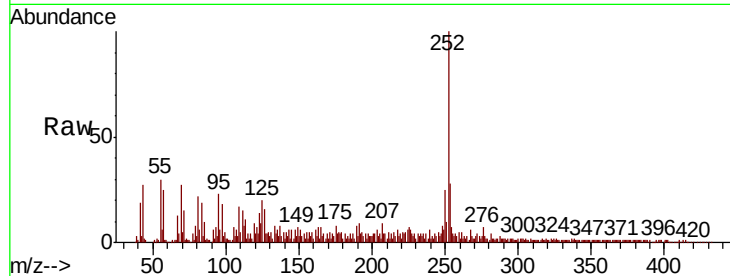
#88
Benzo(b)fluoranthene
Concen: 5.085 ng m
RT: 14.71 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF115258.D
Acq: 28 Jun 2019 2:14

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.1	27.1#
125	19.9	8.7	13.1#

Manual Integrations
APPROVED

mohammad
6/28/2019 2:59:01 PM

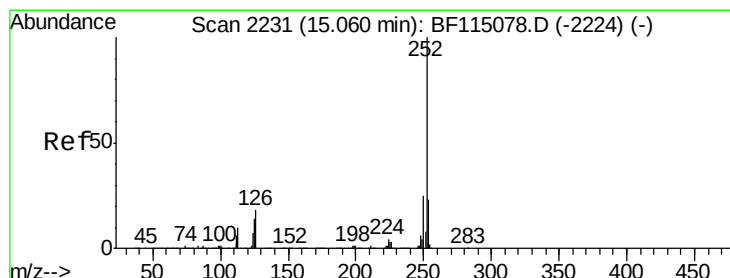
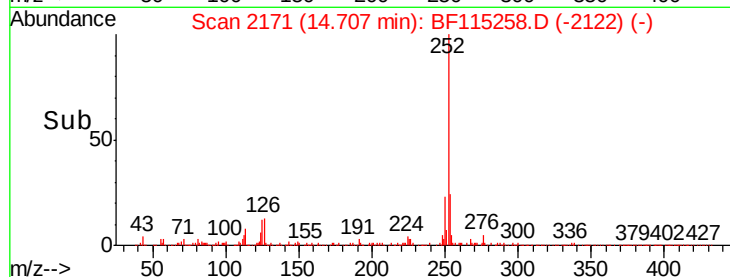
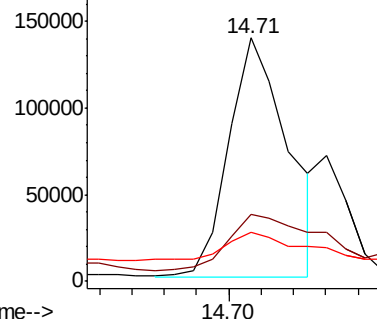


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 3.816 ng
RT: 15.02 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF115258.D
Acq: 28 Jun 2019 2:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.3	27.5
125	20.8	10.9	16.3#

Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

