

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117621.D
 Acq On : 30 Oct 2019 13:46
 Operator : JU
 Sample : K5539-19
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 165-84-(0-1)

Manual Integrations
 APPROVED

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 10/31/2019 3:10:34 PM

Quant Time: Oct 31 02:04:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	35258	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	141686	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	65897	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	96749	20.00	ng	0.00
76) Chrysene-d12	13.89	240	78569	20.00	ng	0.00
87) Perylene-d12	15.33	264	82202	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	206432	87.10	ng	0.00
7) Phenol-d6	6.38	99	295618	92.87	ng	0.00
23) Nitrobenzene-d5	7.29	82	177506	61.85	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	43164	75.70	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	267496	57.20	ng	-0.01
79) Terphenyl-d14	12.83	244	194003	40.28	ng	0.00
Target Compounds						
10) Phenol	6.40	94	12917	3.976	ng	94
50) Dimethylphthalate	9.48	163	34529	7.350	ng	99
71) Phenanthrene	11.27	178	12217	2.175	ng	96
75) Fluoranthene	12.47	202	18731	3.331	ng	92
78) Pyrene	12.70	202	15998	2.371	ng	99
81) Benzo(a)anthracene	13.89	228	11313	2.135	ng	97
83) Chrysene	13.92	228	11040	2.125	ng	97
88) Benzo(b)fluoranthene	14.93	252	11390m	2.346	ng	

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

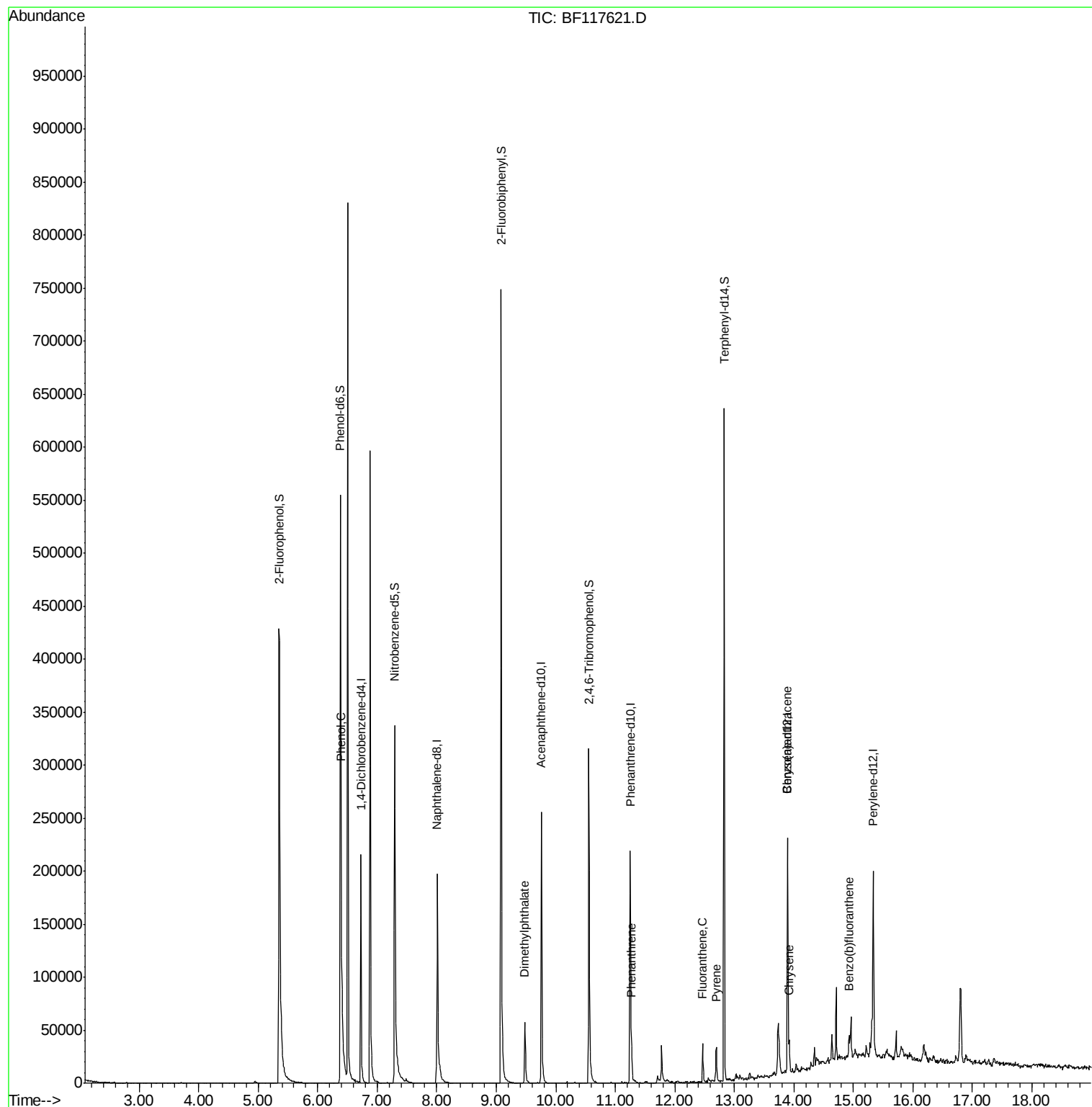
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117621.D
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ALS Vial : 8 Sample Multiplier: 1

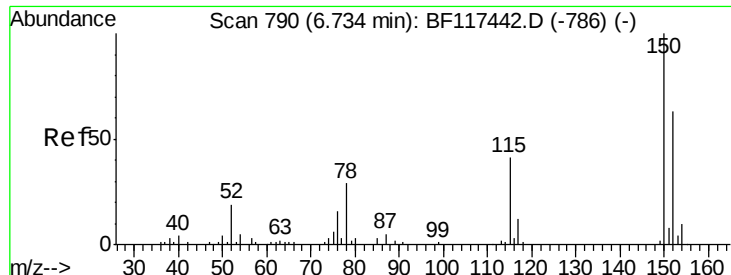
Instrument :
BNA_F
ClientSampleId :
165-84-(0-1)

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Response via : Initial Calibration





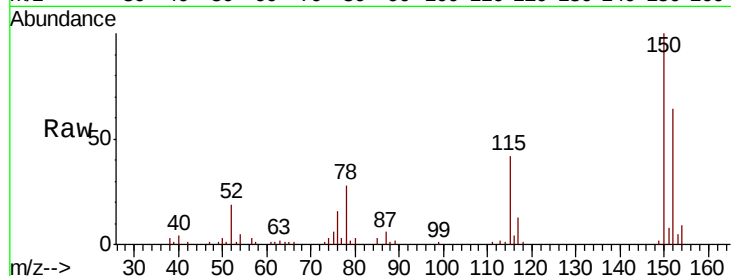
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF117621.D
 Acq: 30 Oct 2019 13:46

Instrument :
 BNA_F
 ClientSampleId :
 165-84-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.8	190.2
115	65.0	51.6	77.4

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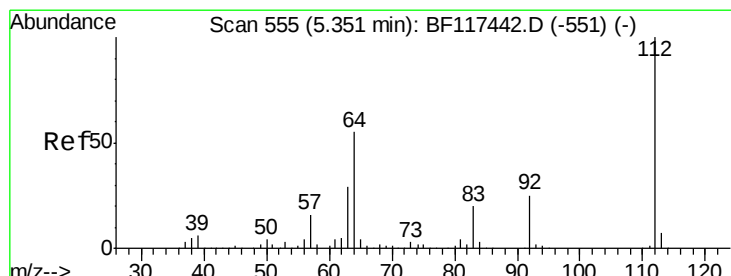
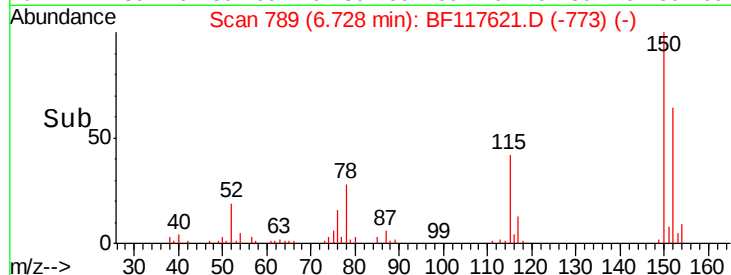
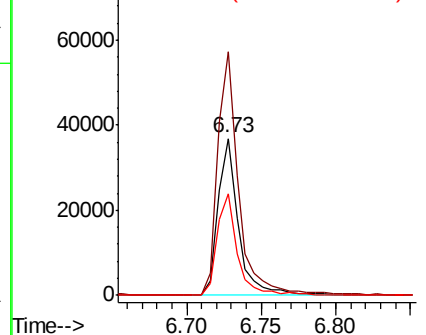


Abundance

Ion 152.00 (151.70 to 152.70): E

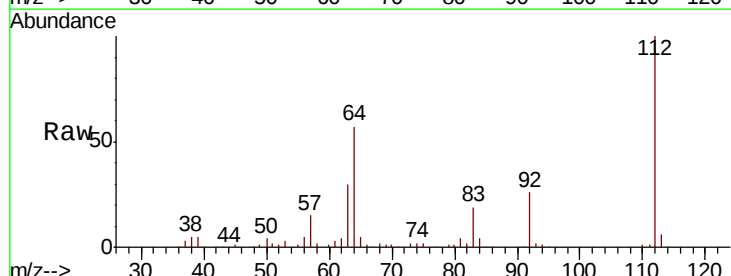
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 87.104 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF117621.D
 Acq: 30 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	44.1	66.1
63	29.5	23.4	35.2

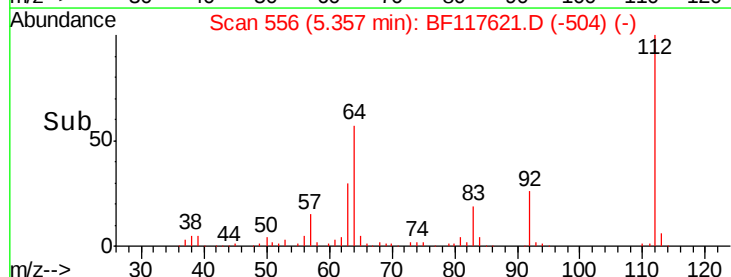
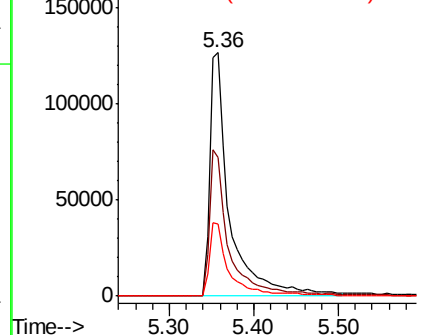


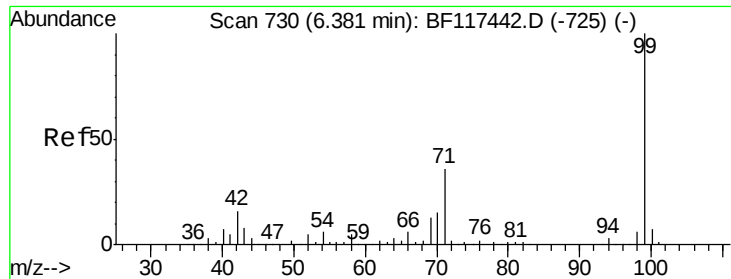
Abundance

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: 92.870 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117621.D

Acq: 30 Oct 2019 13:46

Instrument :

BNA_F

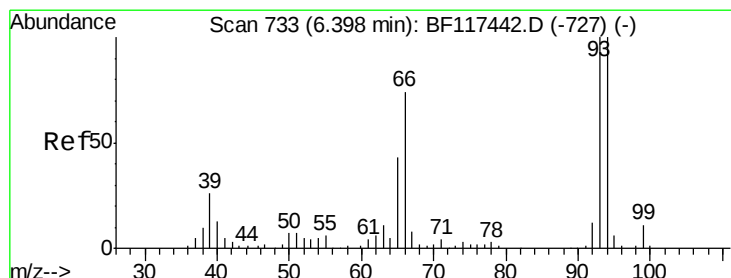
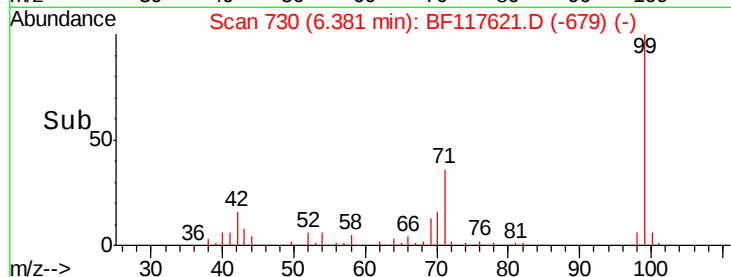
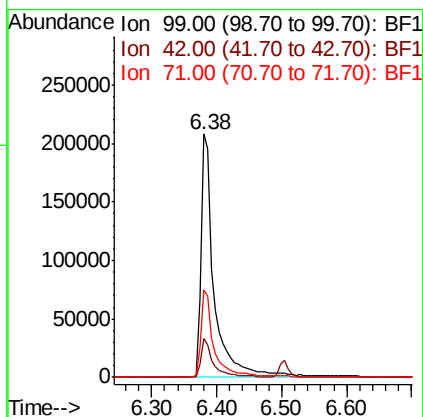
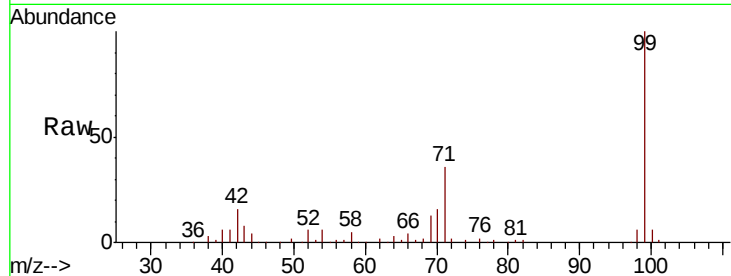
ClientSampleId :

165-84-(0-1)

Tot Ion:	99	Resp:	295618
Ion	Ratio	Lower	Upper
99	100		
42	15.8	12.8	19.2
71	36.1	28.6	43.0

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#10

Phenol

Concen: 3.976 ng

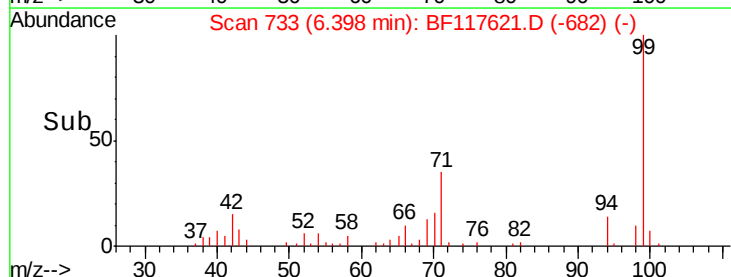
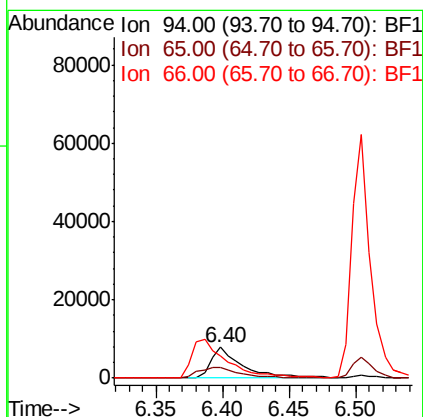
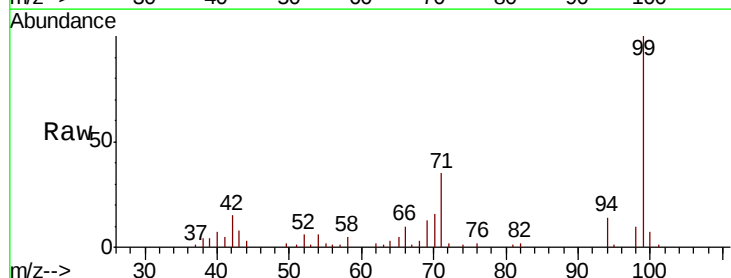
RT: 6.40 min Scan# 733

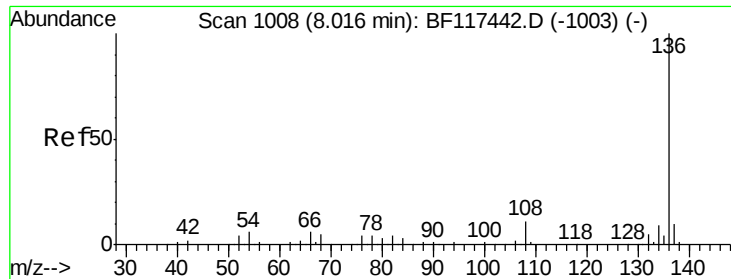
Delta R.T. -0.00 min

Lab File: BF117621.D

Acq: 30 Oct 2019 13:46

Tgt Ion:	94	Resp:	12917
Ion	Ratio	Lower	Upper
94	100		
65	36.7	23.4	63.4
66	72.2	54.7	94.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117621.D

Acq: 30 Oct 2019 13:46

Instrument :

BNA_F

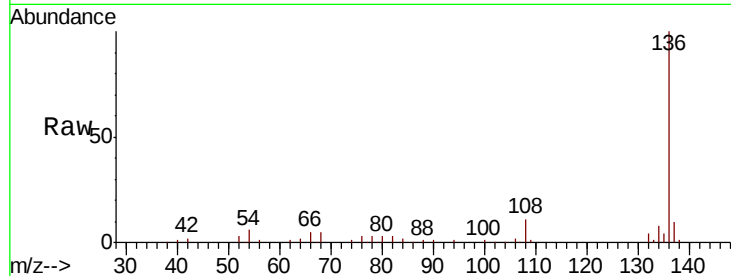
ClientSampleId :

165-84-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	141686		
137	10.1	8.2	12.4	
54	5.6	4.5	6.7	
68	4.8	4.3	6.5	

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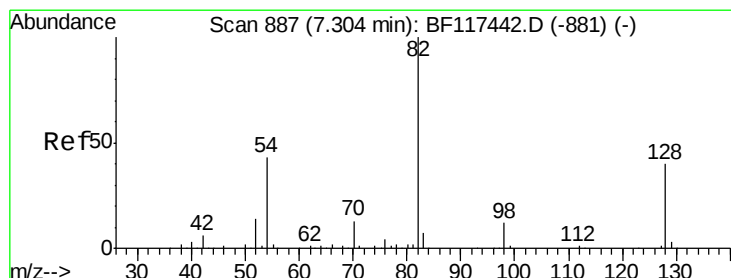
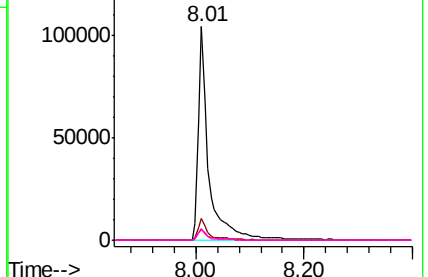
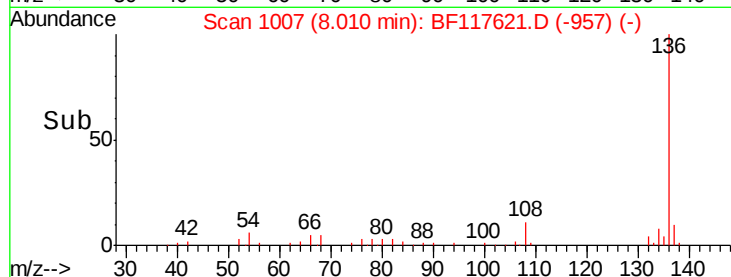


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.849 ng

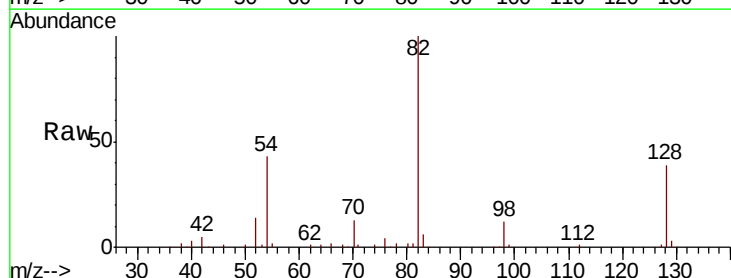
RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF117621.D

Acq: 30 Oct 2019 13:46

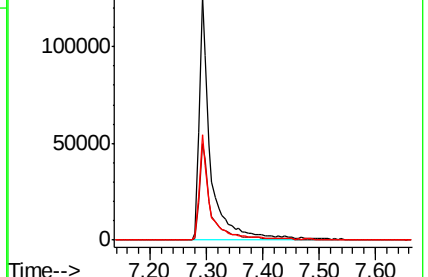
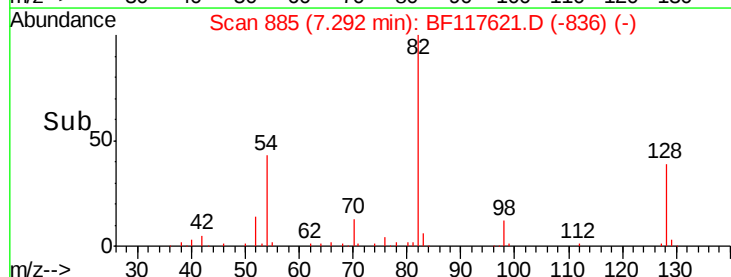
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	177506		
128	39.4	32.2	48.2	
54	43.3	34.2	51.2	

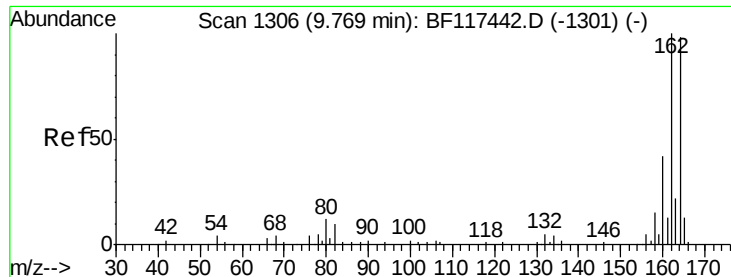


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





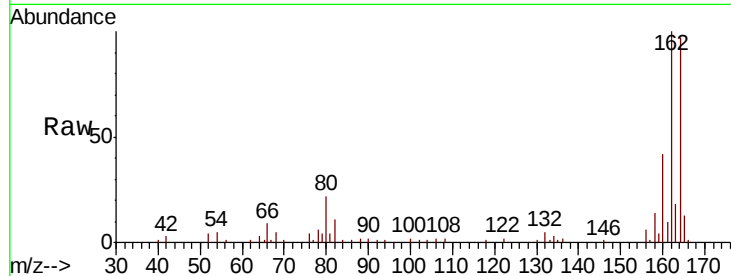
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

Instrument :
BNA_F
ClientSampleId :
165-84-(0-1)

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.8	122.6
160	42.7	34.4	51.6

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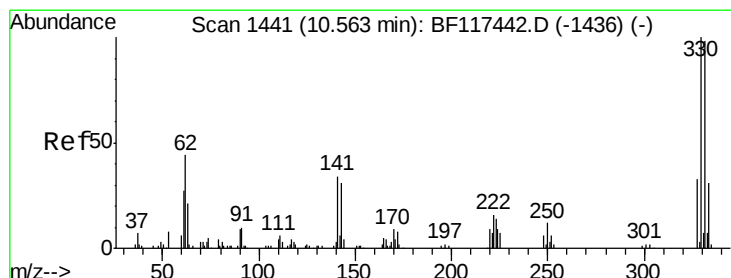
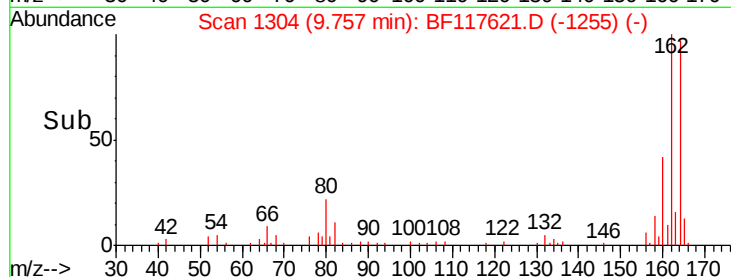
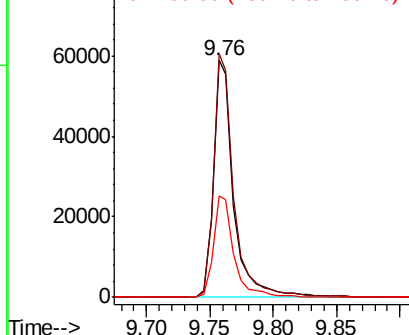


Abundance

Ion 164.00 (163.70 to 164.70): E

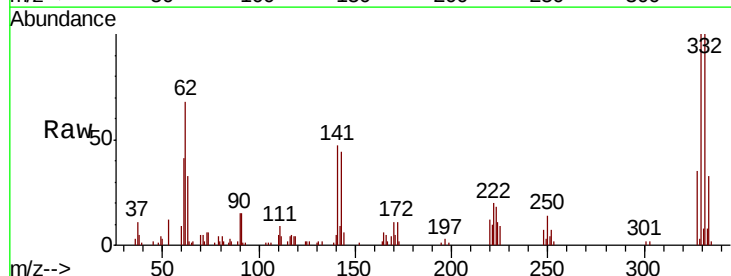
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 75.703 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.5	117.7
141	45.8	37.0	55.6

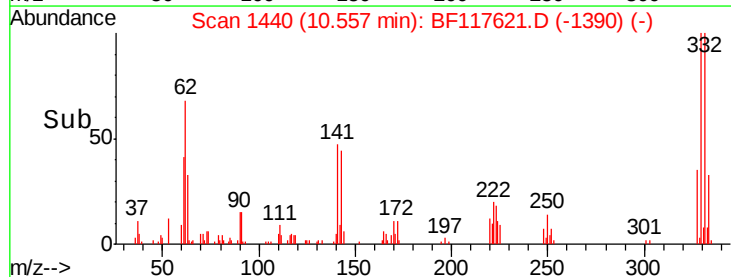
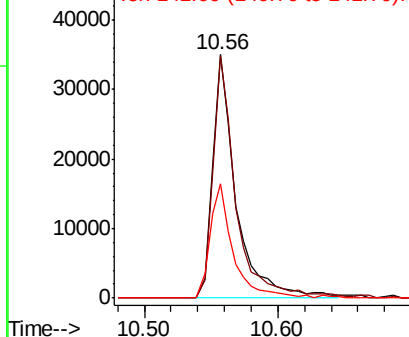


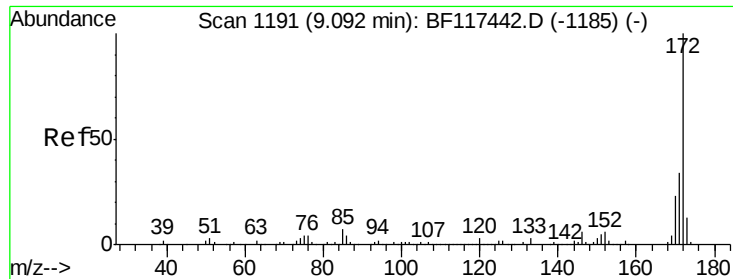
Abundance

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





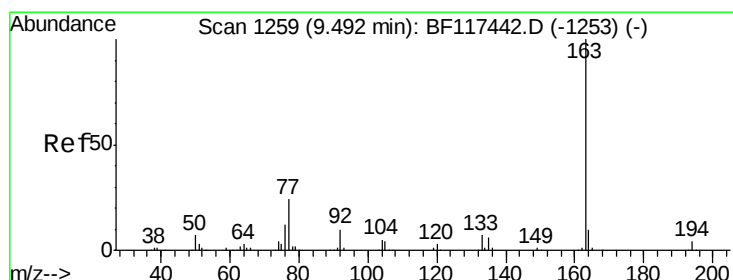
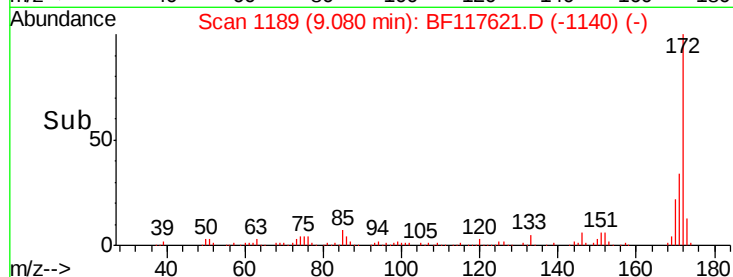
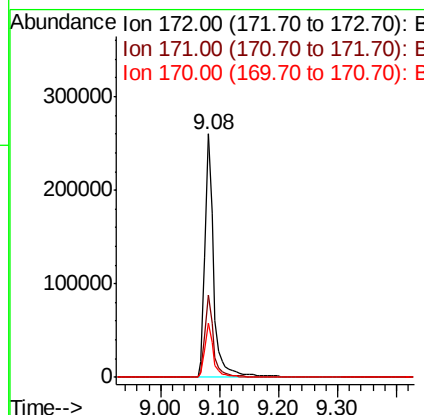
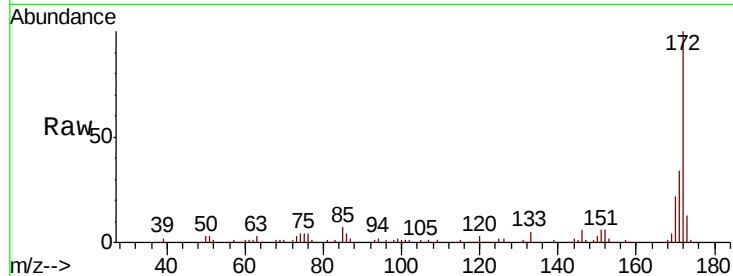
#45
2-Fluorobiphenyl
Concen: 57.195 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

Instrument :
BNA_F
ClientSampleId :
165-84-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	267496		
171	33.6		27.5	41.3
170	22.4		18.6	27.8

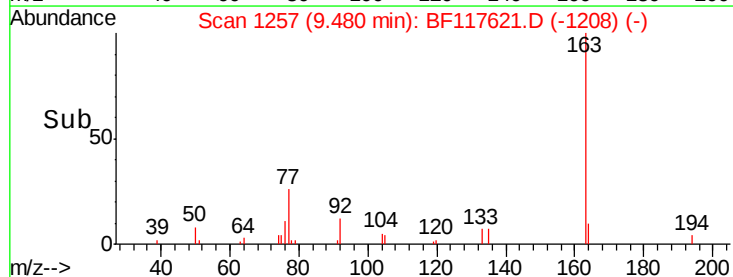
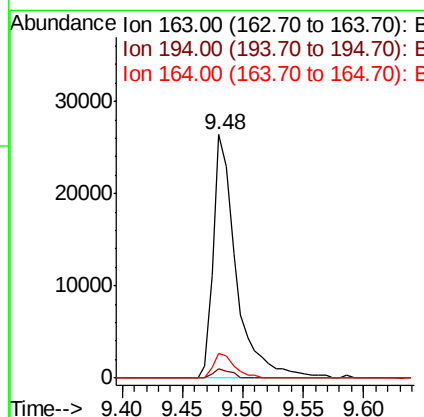
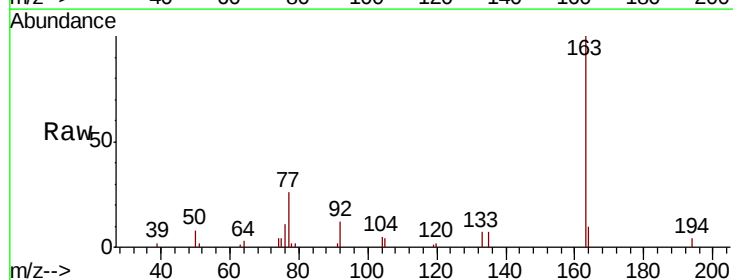
Manual Integrations
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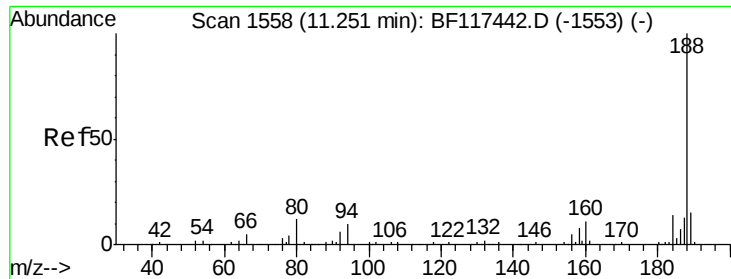
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#50
Dimethylphthalate
Concen: 7.350 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	34529		
194	3.7		2.9	4.3
164	9.9		8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117621.D

Acq: 30 Oct 2019 13:46

Instrument :

BNA_F

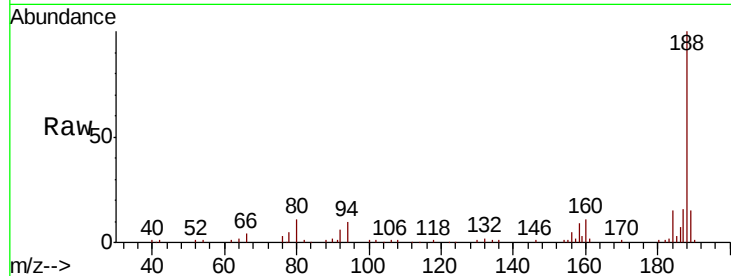
ClientSampleId :

165-84-(0-1)

Tot Ion:	188	Resp:	96749
Ion Ratio	Lower	Upper	
188	100		
94	9.6	8.0	12.0
80	11.5	9.5	14.3

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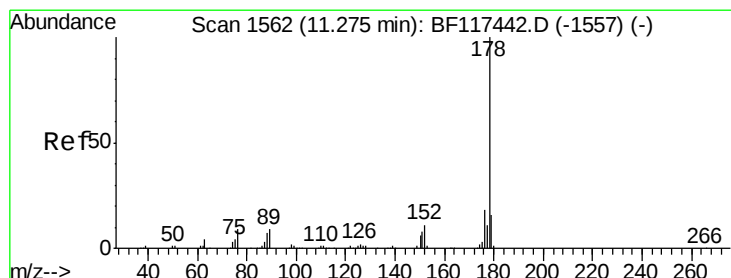
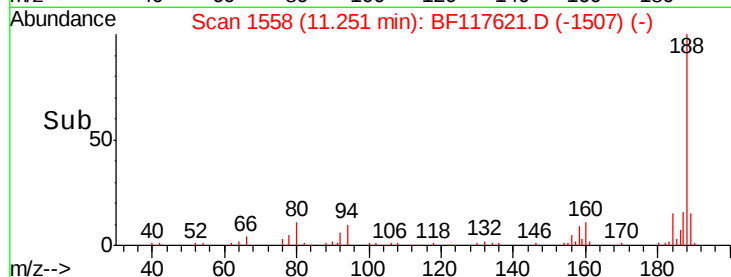
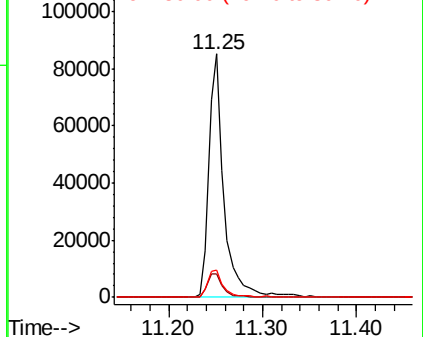
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 2.175 ng

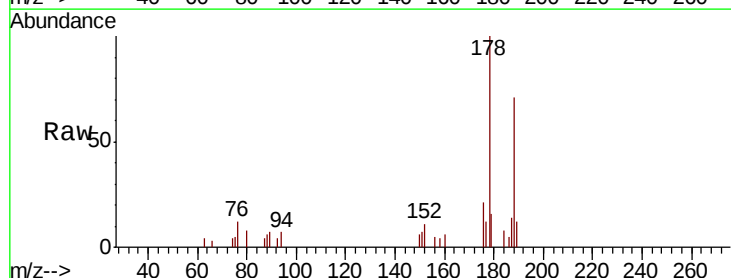
RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117621.D

Acq: 30 Oct 2019 13:46

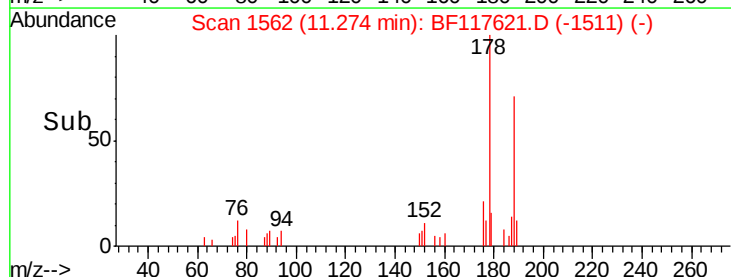
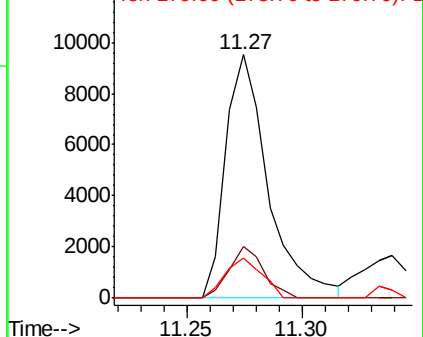
Tgt Ion:	178	Resp:	12217
Ion Ratio	Lower	Upper	
178	100		
176	21.0	14.6	22.0
179	16.4	12.6	19.0

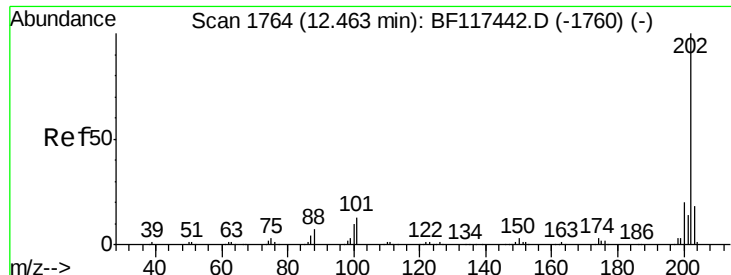


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





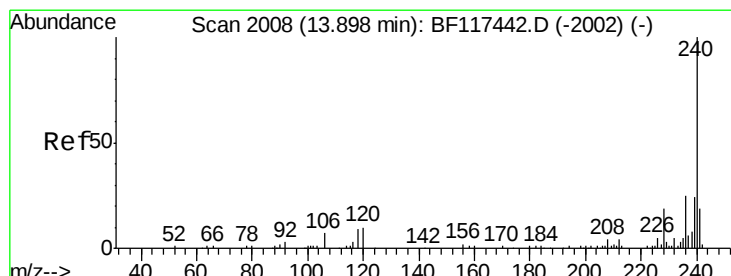
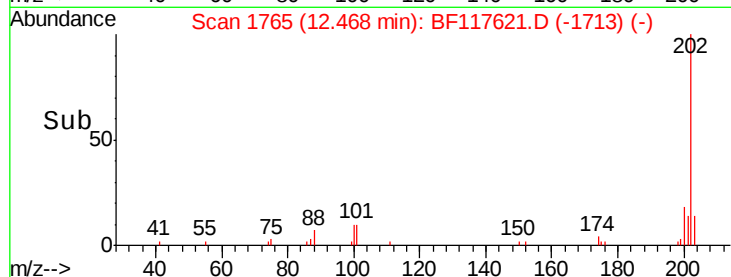
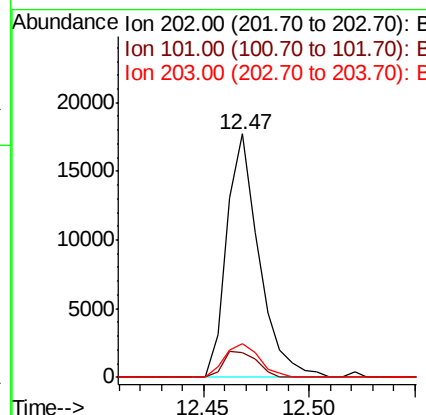
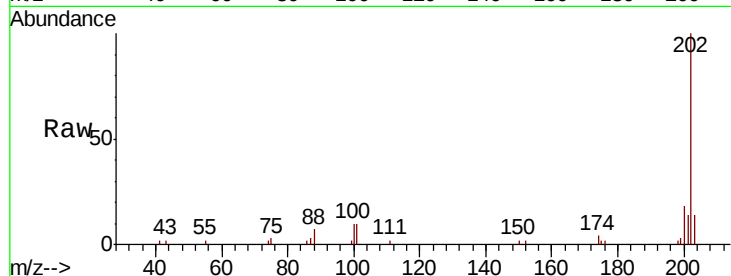
#75
 Fluoranthene
 Concen: 3.331 ng
 RT: 12.47 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: BF117621.D
 Acq: 30 Oct 2019 13:46

Instrument :
 BNA_F
 ClientSampleId :
 165-84-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	18731		
101	10.2	0.0	32.7	
203	13.7	0.0	37.6	

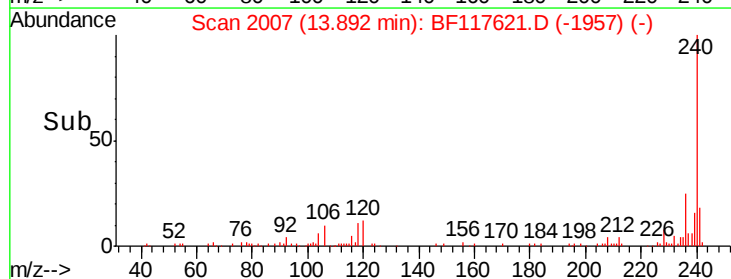
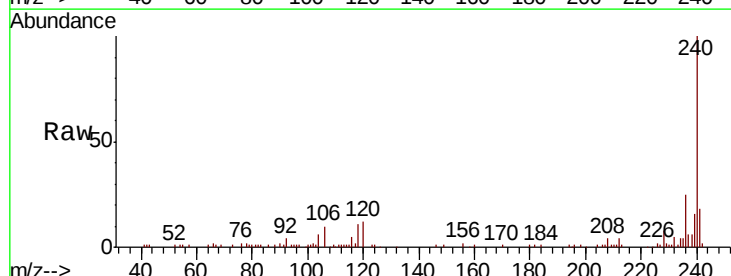
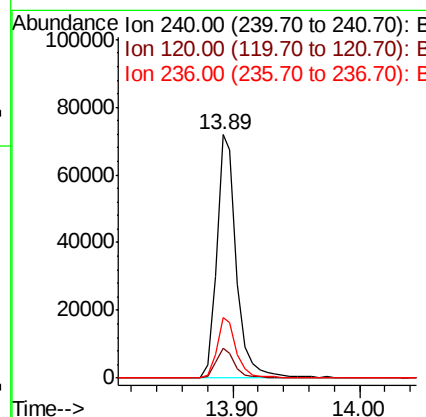
Manual Integrations
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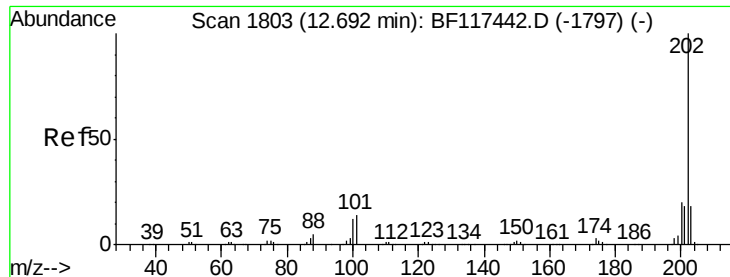
mohammad
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF117621.D
 Acq: 30 Oct 2019 13:46

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	78569		
120	12.2	8.4	12.6	
236	24.7	20.0	30.0	





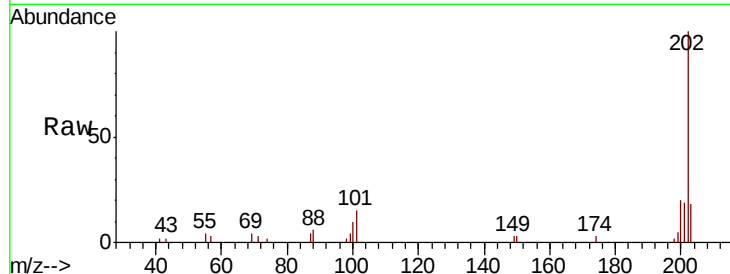
#78
Pvrene
Concen: 2.371 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

Instrument :
BNA_F
ClientSampleId :
165-84-(0-1)

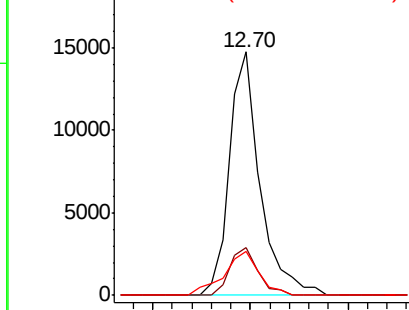
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.6	16.2	24.2
203	18.2	14.0	21.0

Manual Integrations
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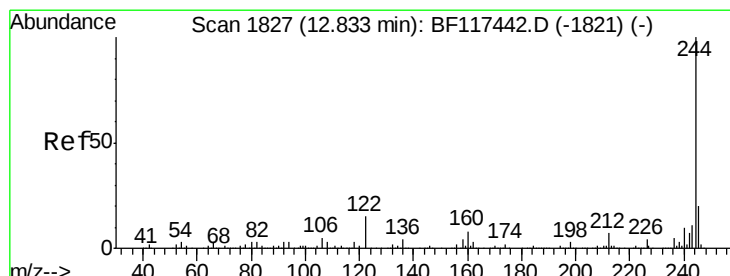
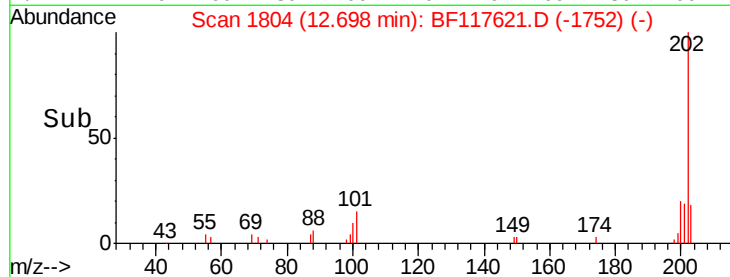
mohammad
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



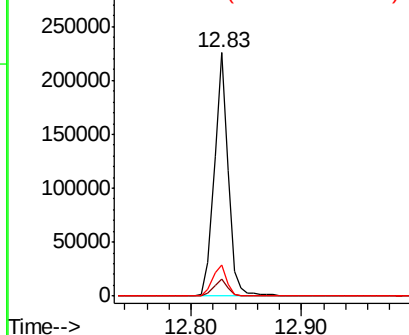
Time-->



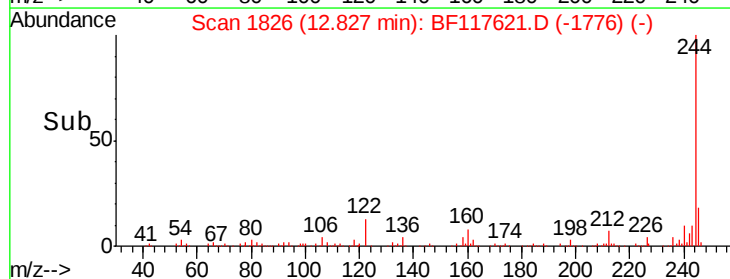
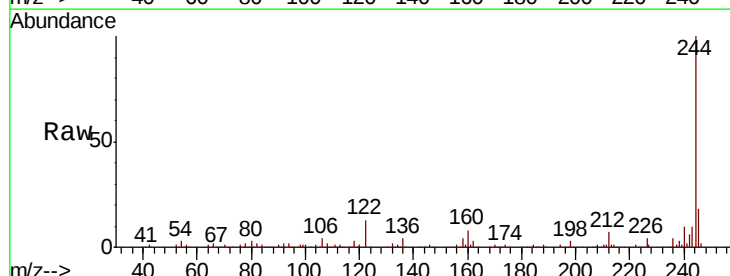
#79
Terphenyl-d14
Concen: 40.276 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

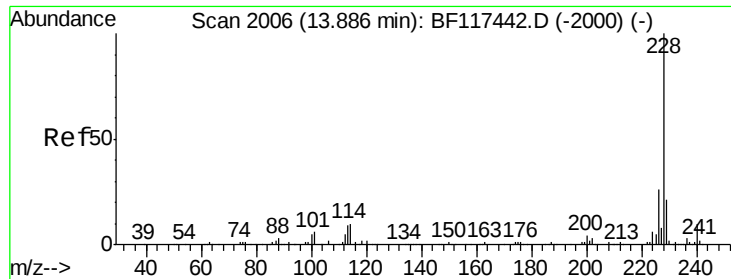
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.8	8.6
122	12.8	11.8	17.8

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



Time-->





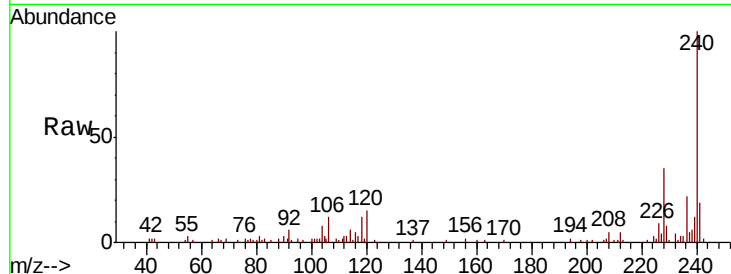
#81
Benzo(a)anthracene
Concen: 2.135 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

Instrument :
BNA_F
ClientSampleId :
165-84-(0-1)

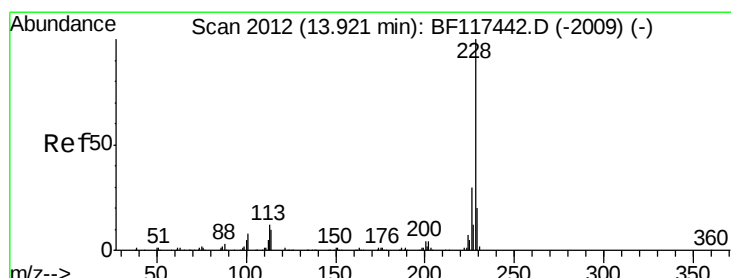
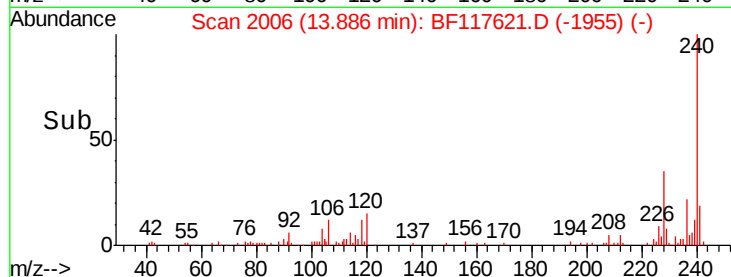
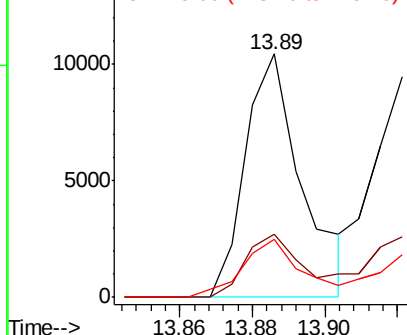
Tot Ion:228	Resp:	11313
Ion Ratio	Lower	Upper
228	100	
226	26.2	21.0 31.4
229	23.8	16.4 24.6

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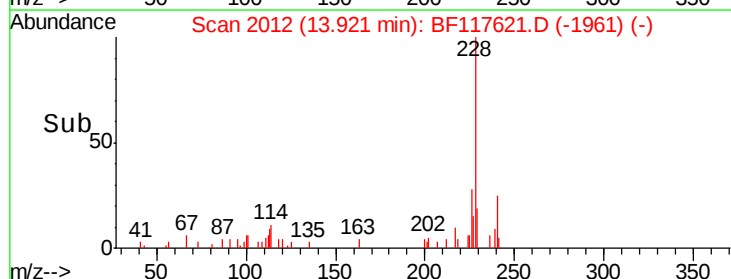
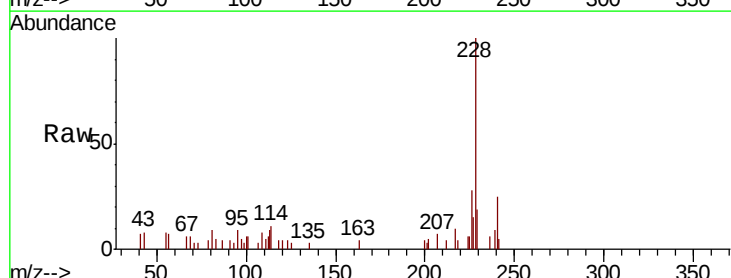
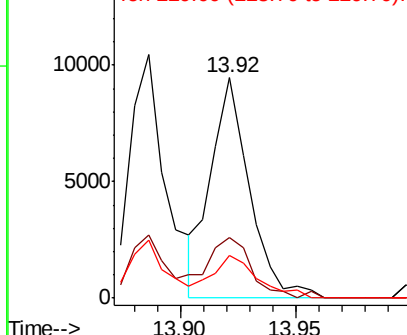
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

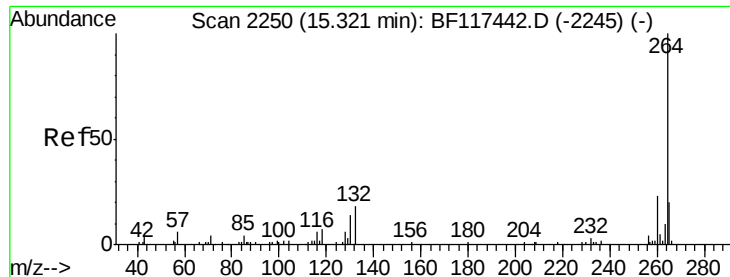


#83
Chrysene
Concen: 2.125 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

Tgt Ion:228	Resp:	11040
Ion Ratio	Lower	Upper
228	100	
226	27.7	23.9 35.9
229	19.1	15.8 23.6

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF117621.D

Acq: 30 Oct 2019 13:46

Instrument :

BNA_F

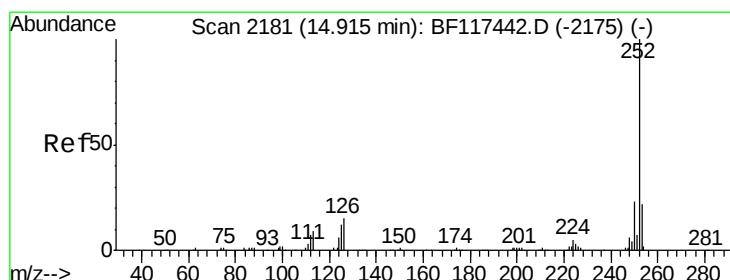
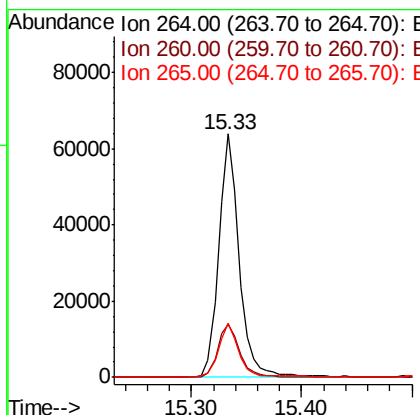
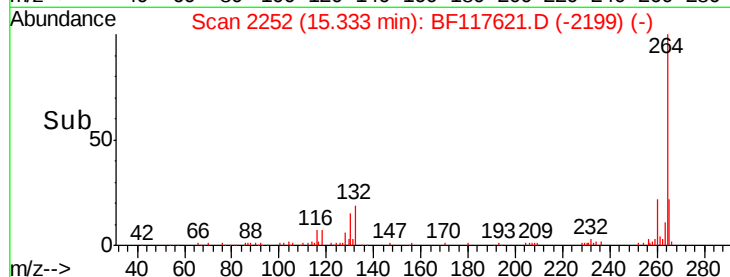
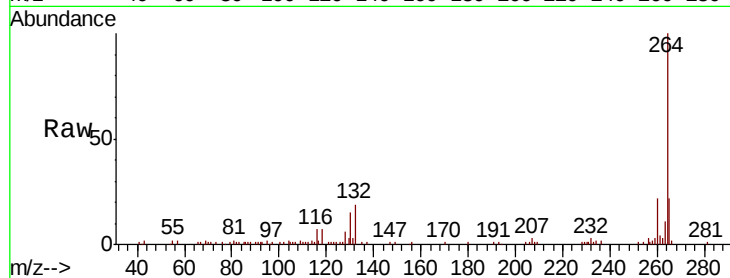
ClientSampleId :

165-84-(0-1)

Tot Ion:	264	Resp:	82202
Ion Ratio	Lower	Upper	
264	100		
260	21.8	18.4	27.6
265	22.1	16.1	24.1

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#88

Benzo(b)fluoranthene

Concen: 2.346 ng m

RT: 14.93 min Scan# 2183

Delta R.T. 0.01 min

Lab File: BF117621.D

Acq: 30 Oct 2019 13:46

Tgt Ion:	252	Resp:	11390
Ion Ratio	Lower	Upper	
252	100		
253	26.4	17.8	26.6
125	18.5	9.9	14.9#

