

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117613.D
 Acq On : 30 Oct 2019 2:09
 Operator : JU
 Sample : K5587-16 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-1-12

Manual Integrations
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 10/30/2019 4:53:47 PM

Quant Time: Oct 30 07:10:01 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	34651	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	133965	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	61391	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	93611	20.00	ng	0.00
76) Chrysene-d12	13.90	240	64332	20.00	ng	0.00
87) Perylene-d12	15.33	264	48646	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	32679	14.03	ng	0.02
7) Phenol-d6	6.40	99	47406	15.15	ng	0.02
23) Nitrobenzene-d5	7.31	82	29177m	10.75	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	6554	12.34	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	51621	11.85	ng	0.00
79) Terphenyl-d14	12.83	244	45795	11.61	ng	0.00
Target Compounds						
71) Phenanthrene	11.27	178	18861	3.470	ng	97
75) Fluoranthene	12.47	202	30564	5.617	ng	100
78) Pyrene	12.70	202	27936	5.056	ng	95
81) Benzo(a)anthracene	13.89	228	10784	2.485	ng	# 93
83) Chrysene	13.92	228	10053	2.364	ng	95
88) Benzo(b)fluoranthene	14.93	252	11139m	3.878	ng	
90) Benzo(a)pyrene	15.28	252	6372	2.440	ng	# 84

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

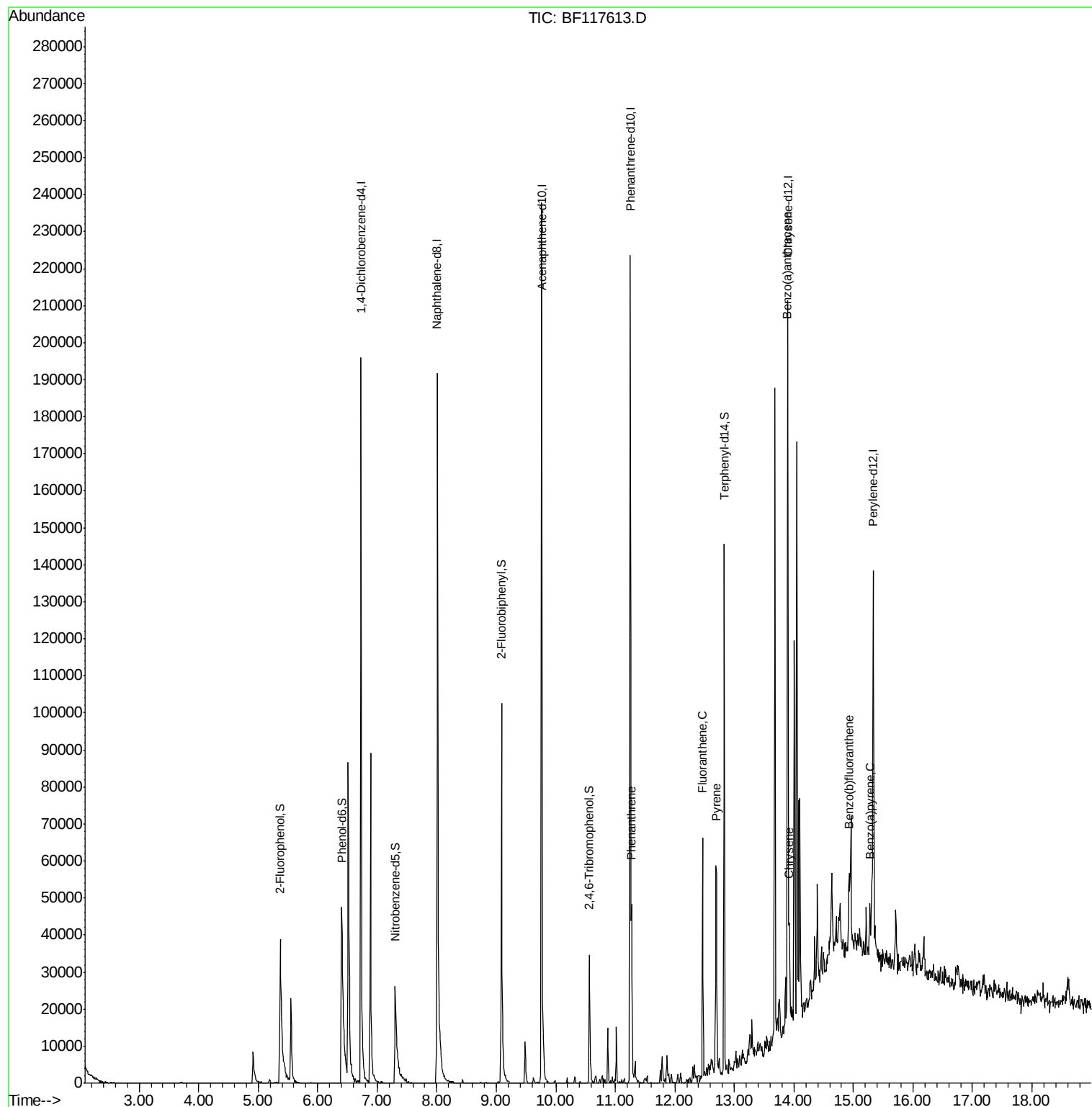
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117613.D
Acq On : 30 Oct 2019 2:09
Operator : JU
Sample : K5587-16 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

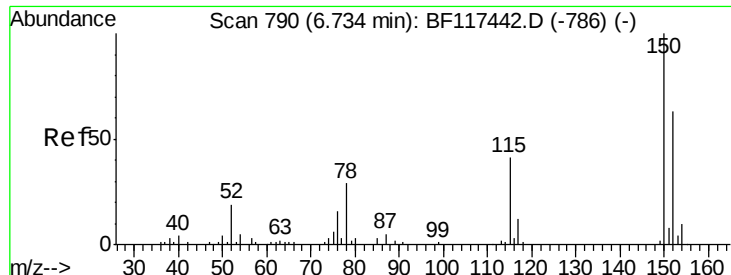
Instrument :
BNA_F
ClientSampled :
CSA-2-1-12

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Quant Time: Oct 30 07:10:01 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





#1

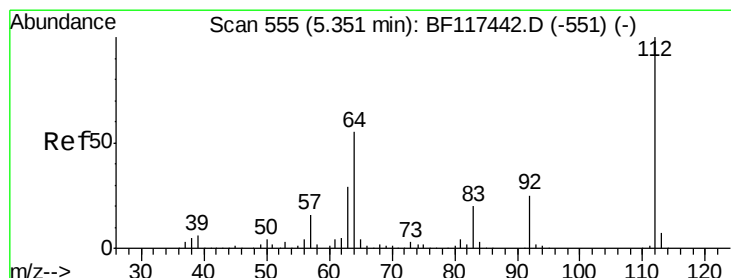
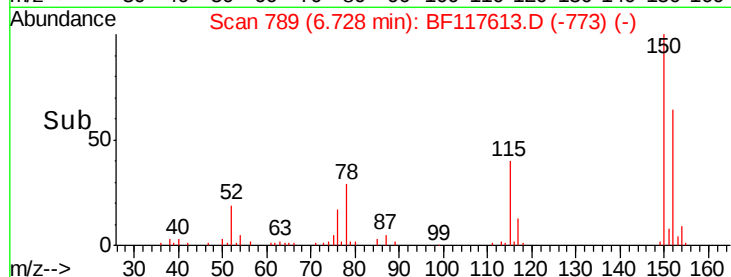
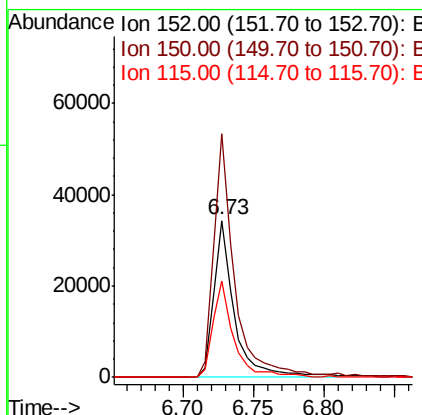
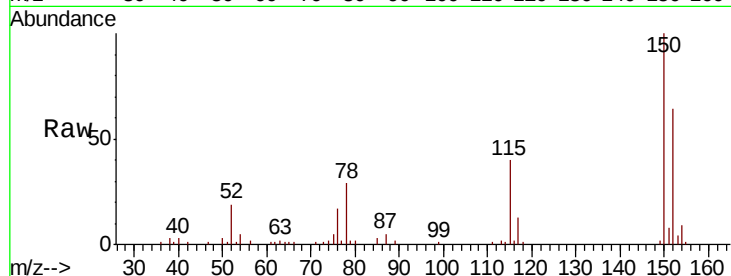
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-12

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.8	190.2
115	61.8	51.6	77.4

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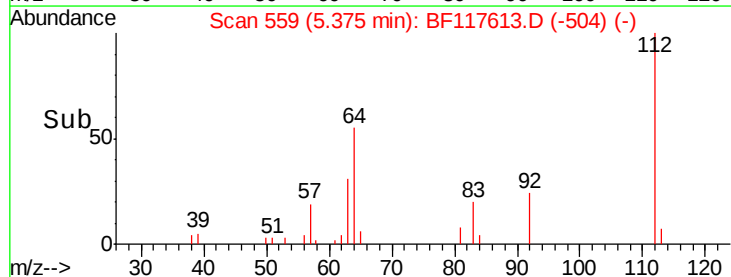
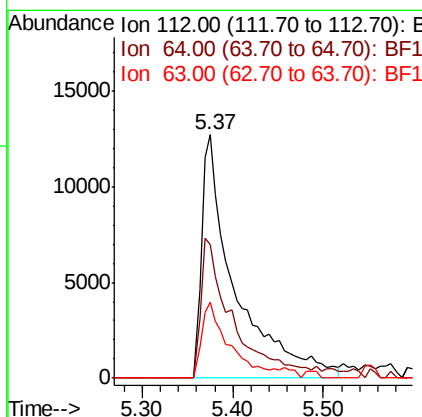
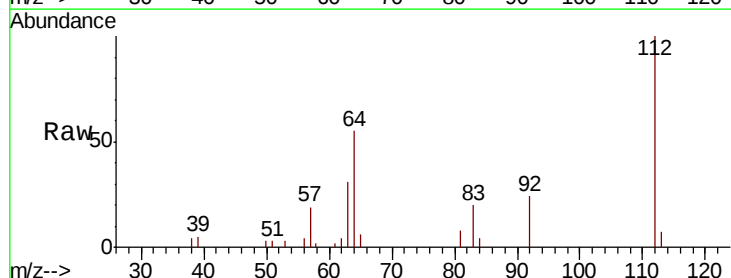
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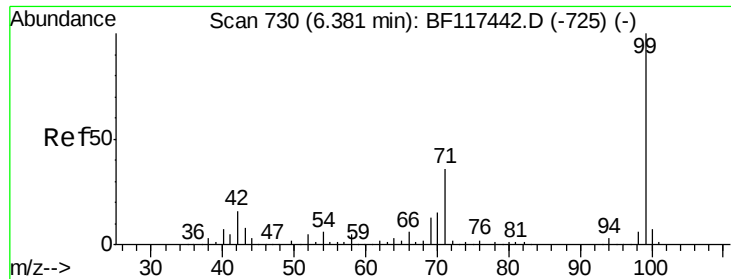


#5

2-Fluorophenol
Concen: 14.030 ng
RT: 5.37 min Scan# 559
Delta R.T. 0.02 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.1	66.1
63	31.0	23.4	35.2





#7

Phenol-d6

Concen: 15.154 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.02 min

Lab File: BF117613.D

Acq: 30 Oct 2019 2:09

Instrument :

BNA_F

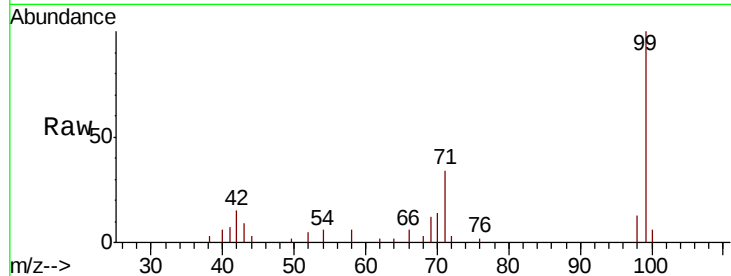
ClientSampleId :

CSA-2-1-12

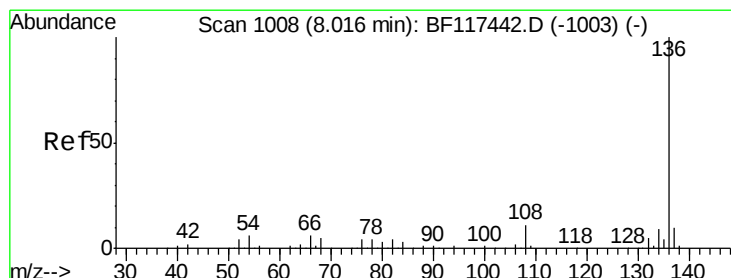
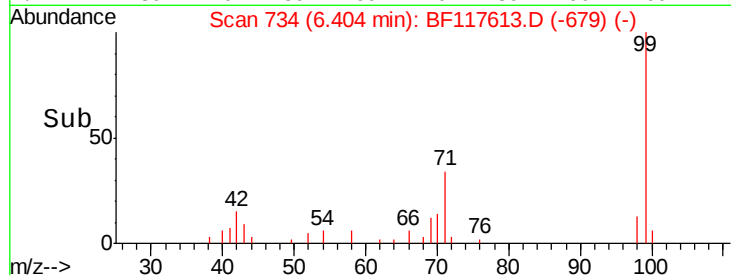
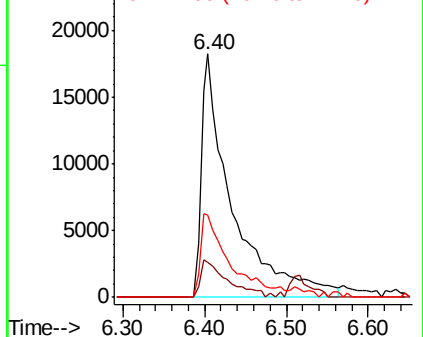
Tot Ion:	99	Resp:	47406
Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.8	19.2
71	34.1	28.6	43.0

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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: 8.01 min Scan# 1007

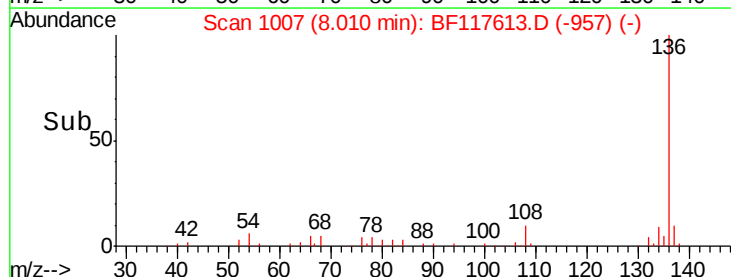
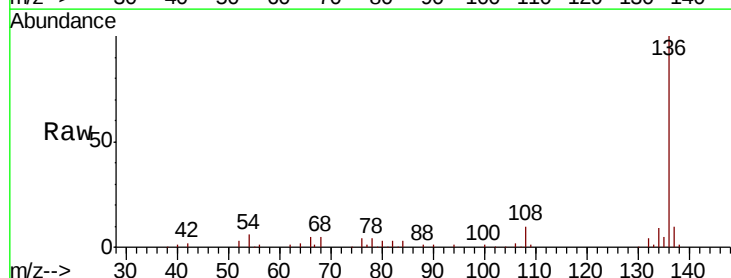
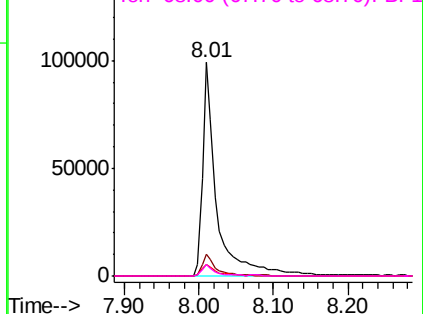
Delta R.T. -0.01 min

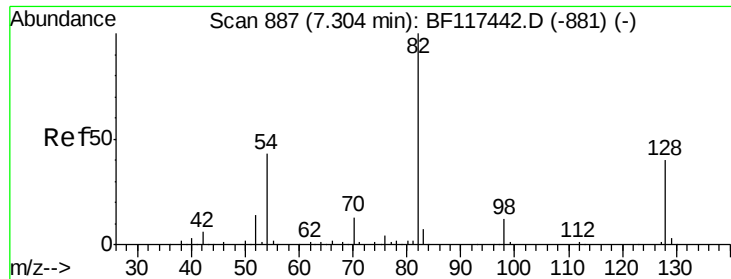
Lab File: BF117613.D

Acq: 30 Oct 2019 2:09

Tgt Ion:	136	Resp:	133965
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.2	12.4
54	5.6	4.5	6.7
68	5.4	4.3	6.5

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





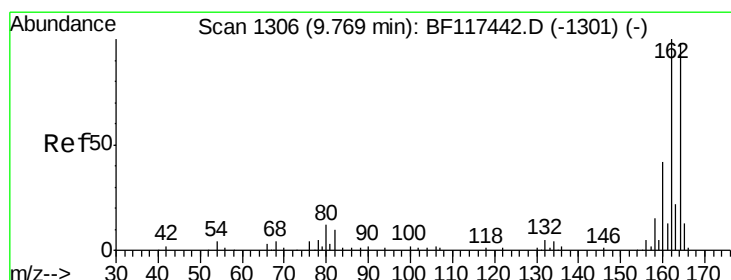
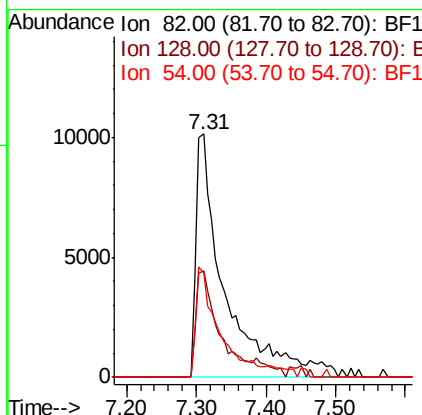
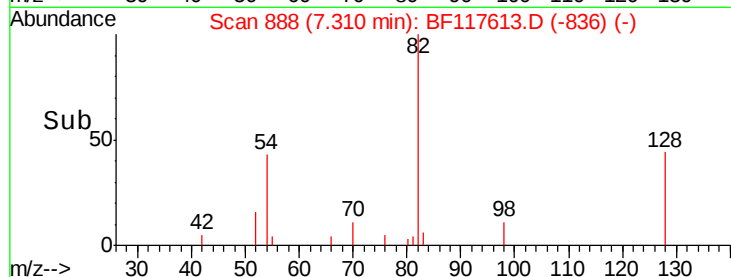
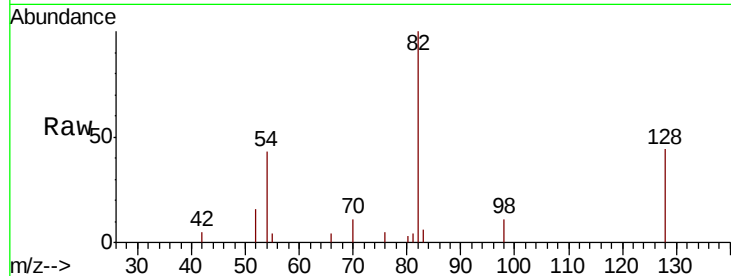
#23
Nitrobenzene-d5
Concen: 10.752 ng/ml
RT: 7.31 min Scan# 888
Delta R.T. 0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-12

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	32.2	48.2
54	42.6	34.2	51.2

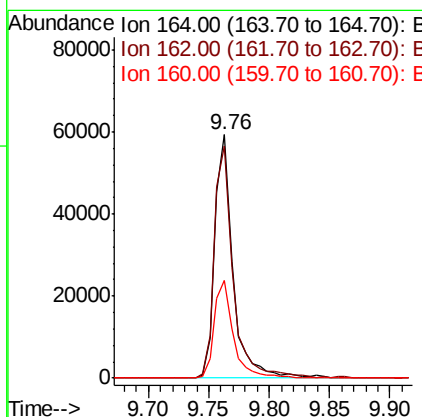
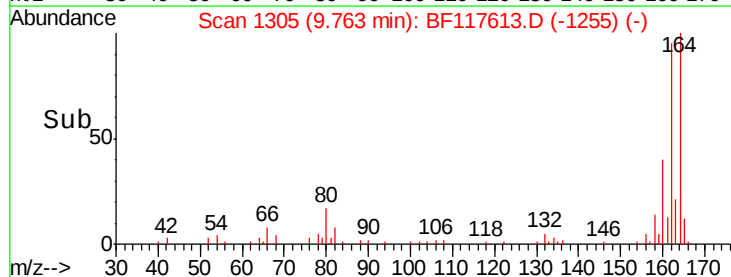
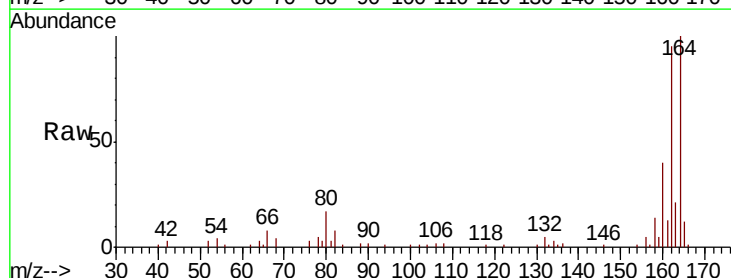
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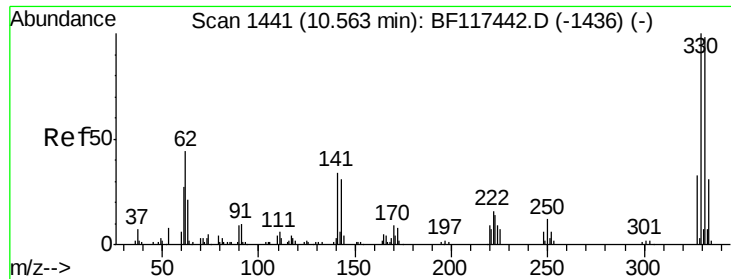
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.2	81.8	122.6
160	40.2	34.4	51.6





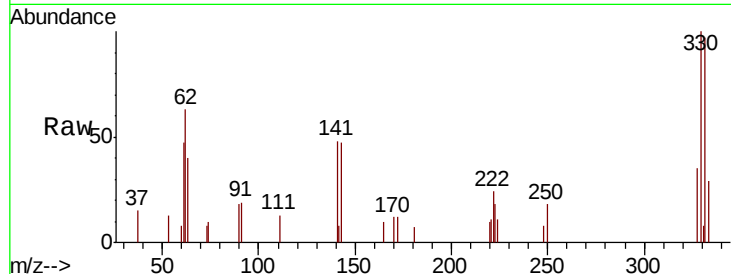
#42
 2,4,6-Tribromophenol
 Concen: 12.338 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: BF117613.D
 Acq: 30 Oct 2019 2:09

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-1-12

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.6	78.5	117.7
141	40.8	37.0	55.6

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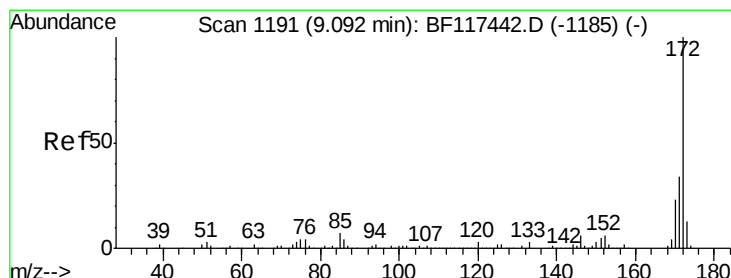
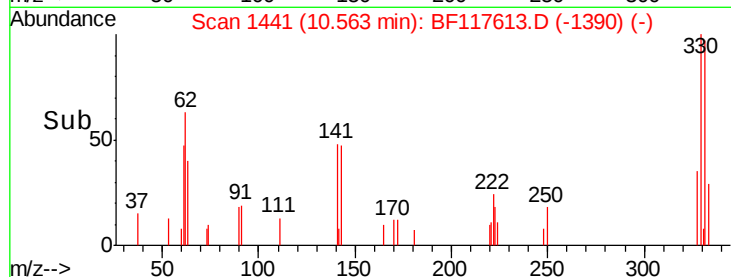
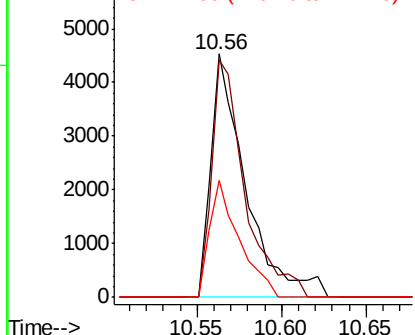


Abundance

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: 11.848 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117613.D
 Acq: 30 Oct 2019 2:09

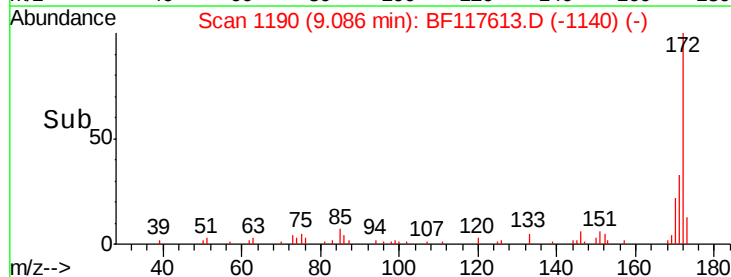
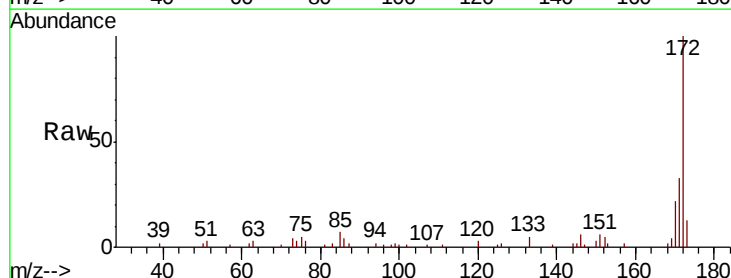
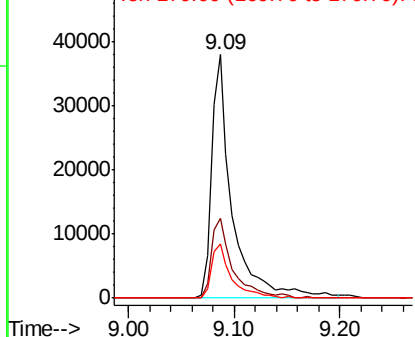
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.0	27.5	41.3
170	22.0	18.6	27.8

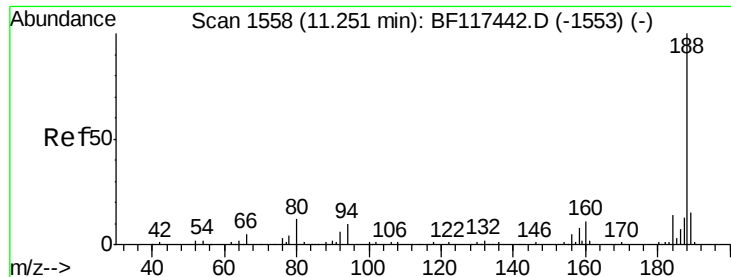
Abundance

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





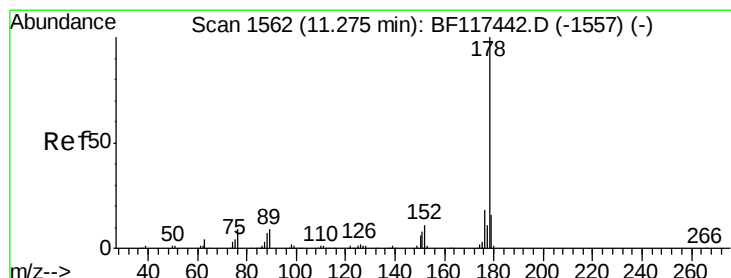
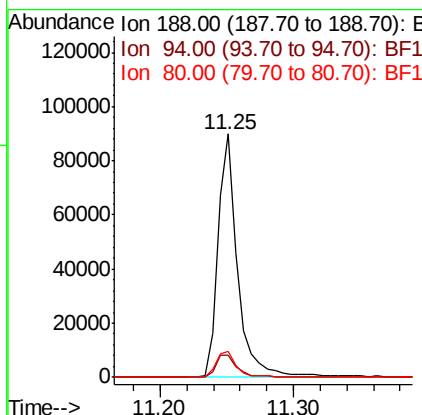
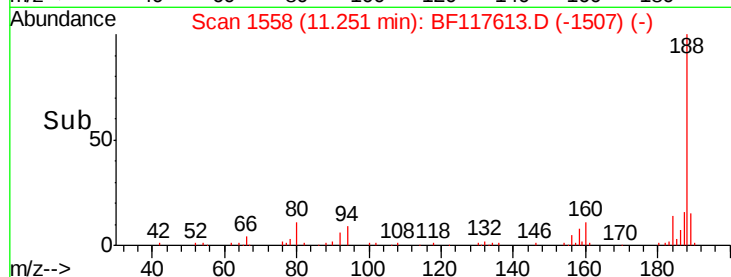
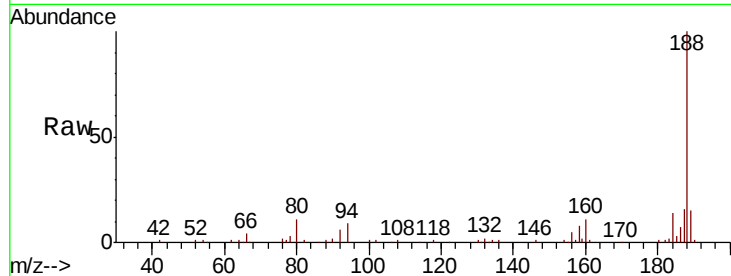
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-12

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.1	8.0	12.0
80	10.9	9.5	14.3

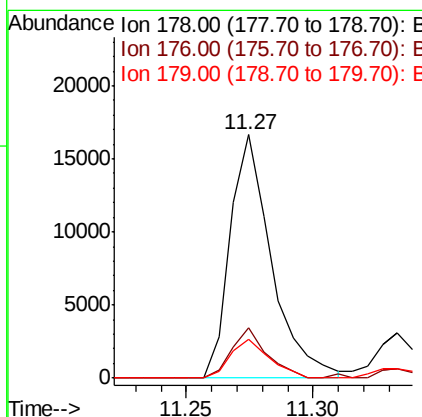
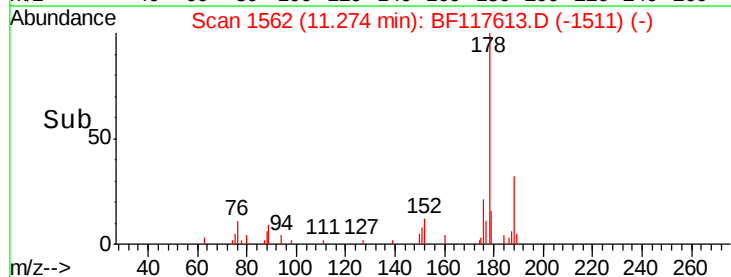
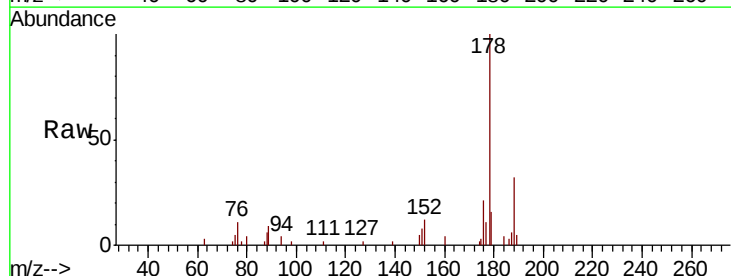
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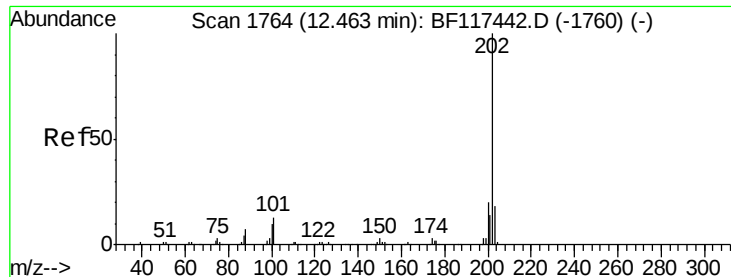
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#71
Phenanthrene
Concen: 3.470 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.6	14.6	22.0
179	16.2	12.6	19.0





#75

Fluoranthene

Concen: 5.617 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117613.D

Acq: 30 Oct 2019 2:09

Instrument :

BNA_F

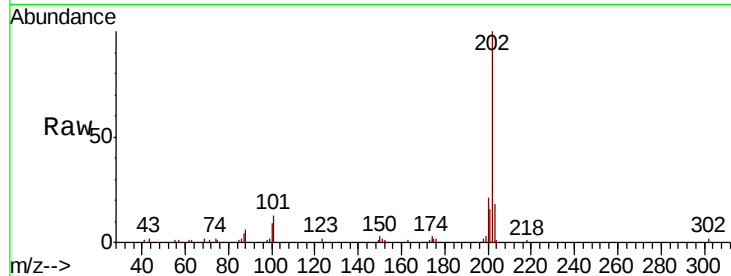
ClientSampleId :

CSA-2-1-12

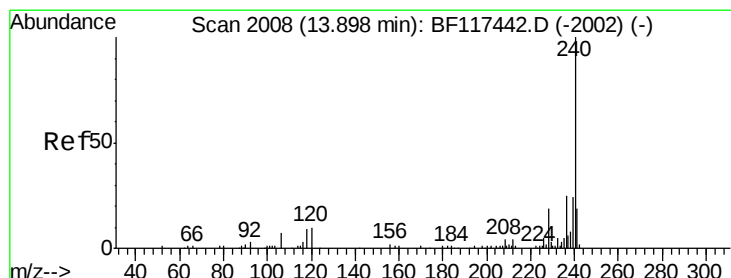
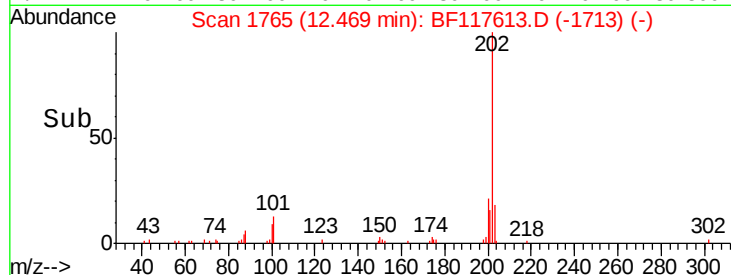
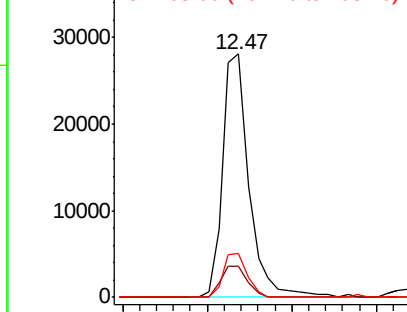
Tot Ion:	202	Resp:	30564
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	32.7
203	17.8	0.0	37.6

Manual Integrations
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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

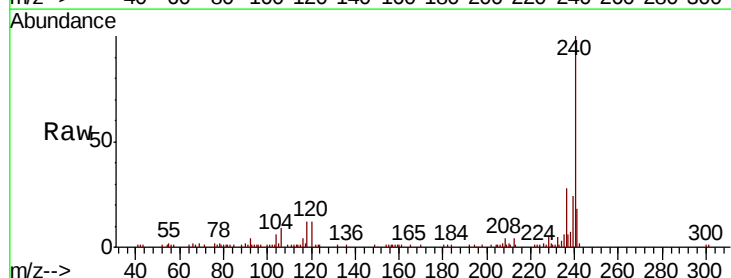
RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

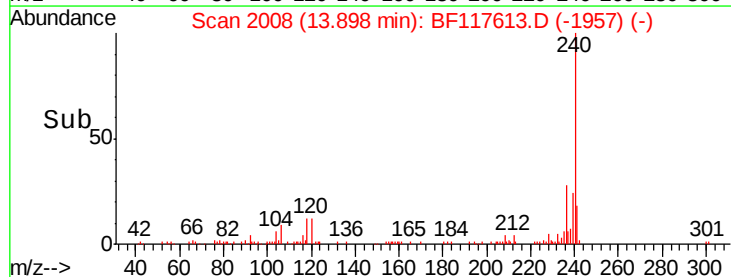
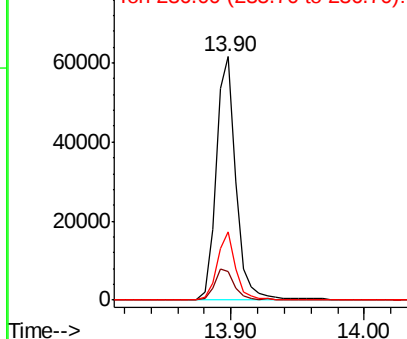
Lab File: BF117613.D

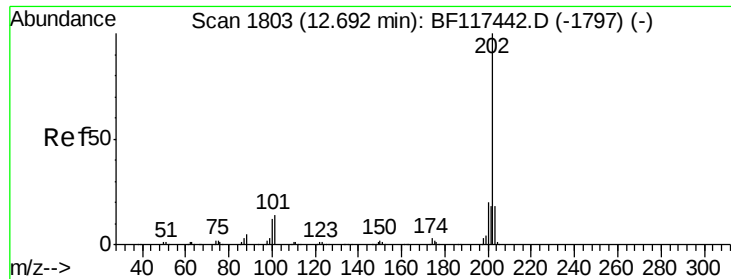
Acq: 30 Oct 2019 2:09

Tgt Ion:	240	Resp:	64332
Ion Ratio	Lower	Upper	
240	100		
120	11.7	8.4	12.6
236	28.0	20.0	30.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





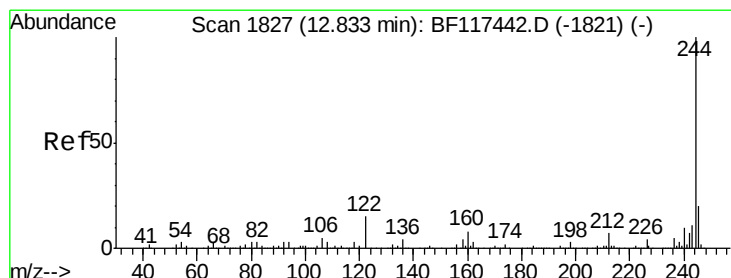
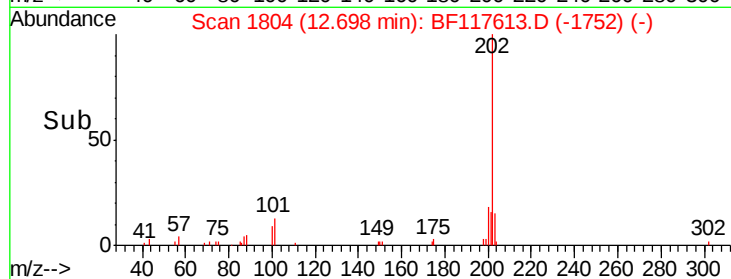
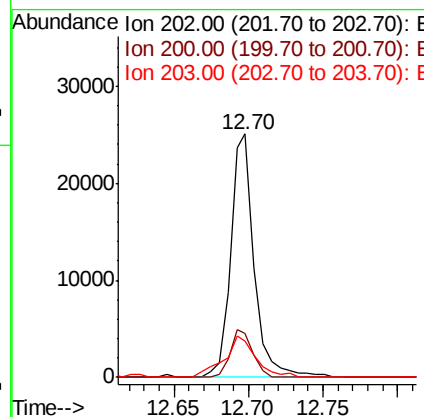
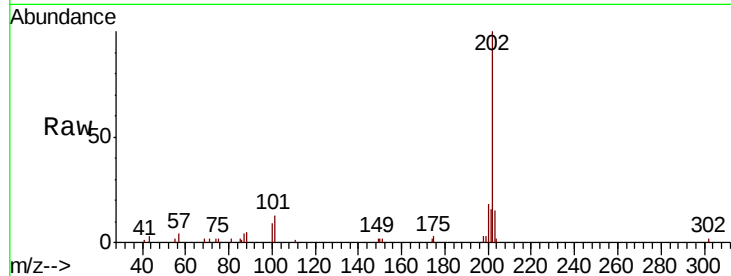
#78
Pvrene
Concen: 5.056 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-12

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	18.2	16.2	24.2
203	15.1	14.0	21.0

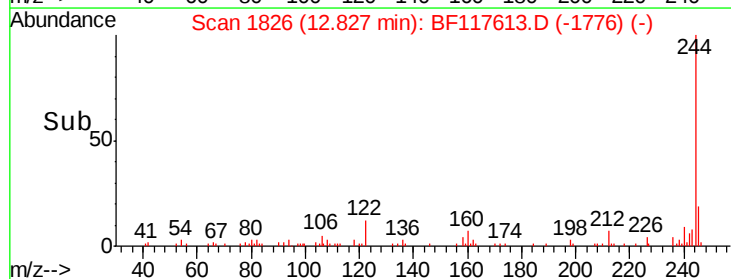
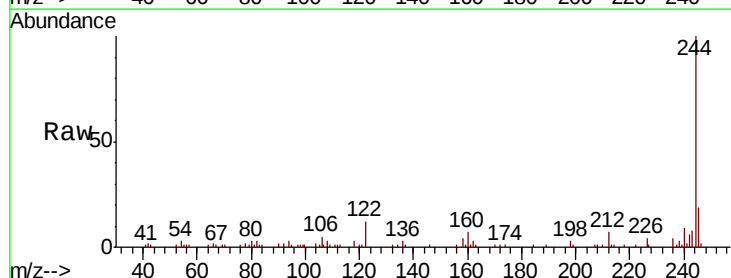
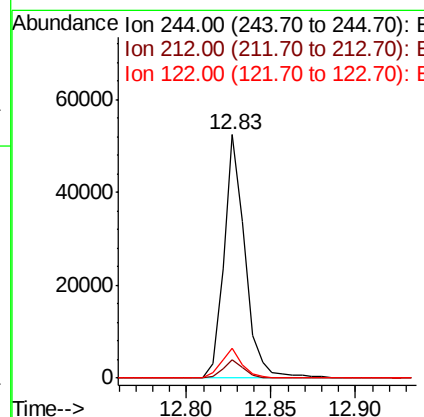
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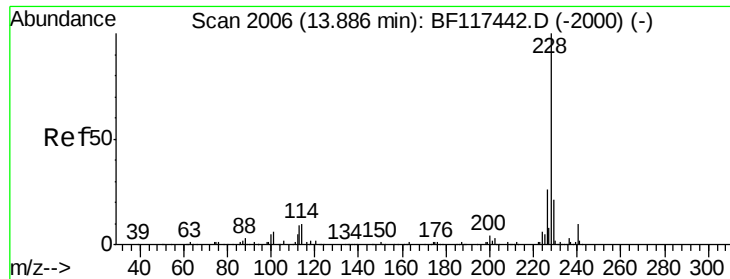
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#79
Terphenyl-d14
Concen: 11.611 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.8	8.6
122	12.2	11.8	17.8





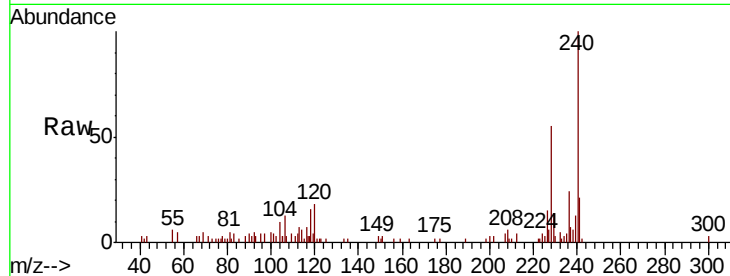
#81
Benzo(a)anthracene
Concen: 2.485 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Instrument :
BNA_F
ClientSampled :
CSA-2-1-12

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.0	31.4
229	25.6	16.4	24.6

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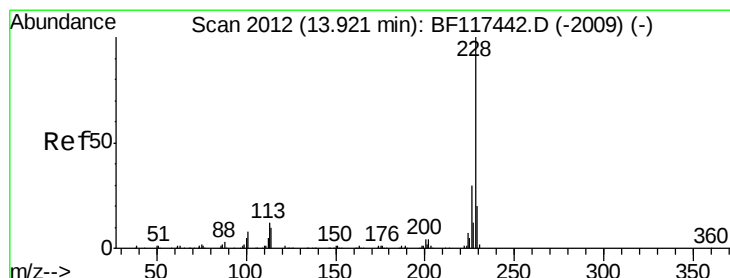
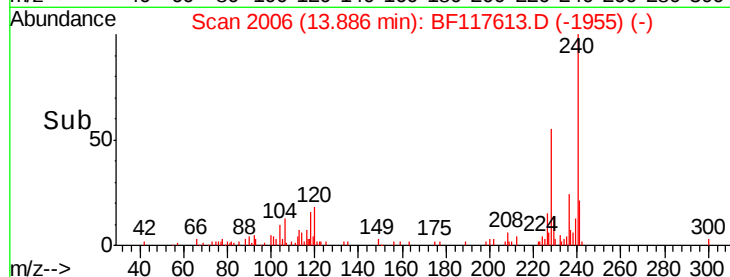
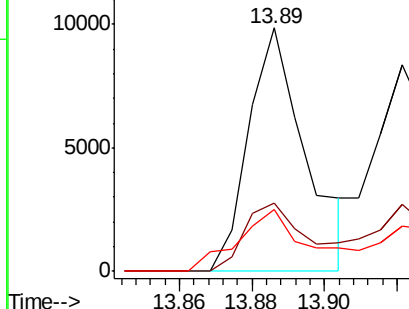


Abundance

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: 2.364 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

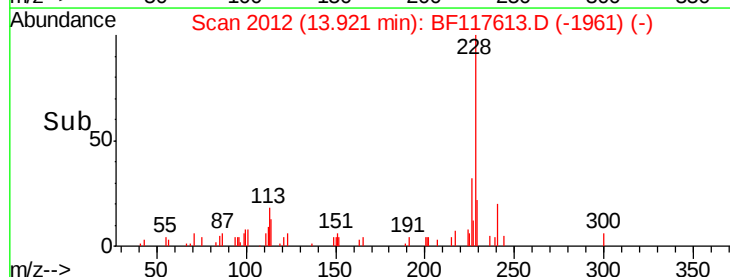
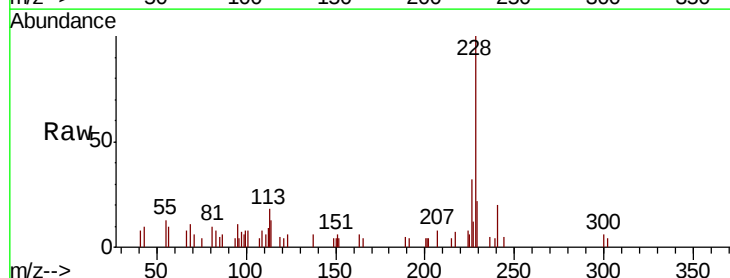
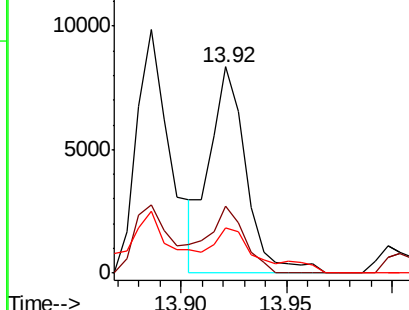
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	23.9	35.9
229	22.2	15.8	23.6

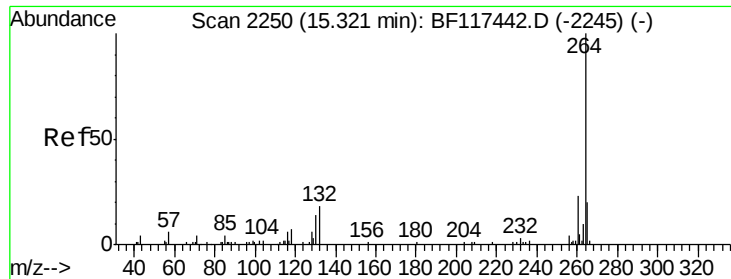
Abundance

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





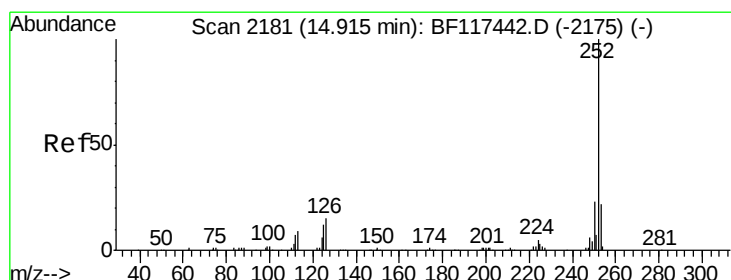
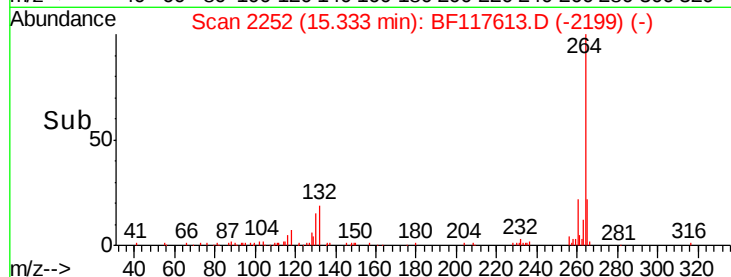
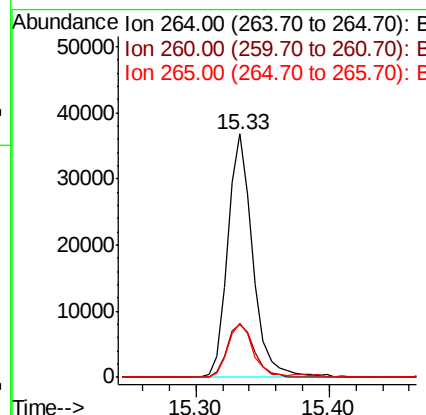
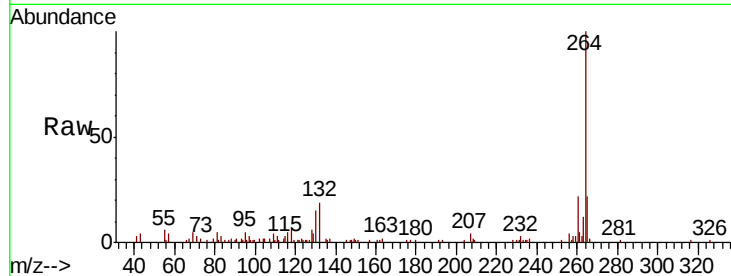
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-12

Tot Ion:	264	Resp:	48646
Ion Ratio	Lower	Upper	
264	100		
260	21.8	18.4	27.6
265	22.0	16.1	24.1

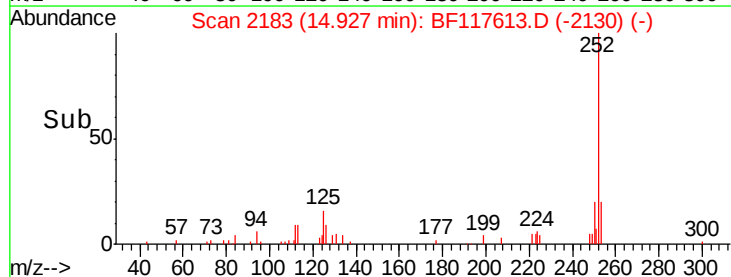
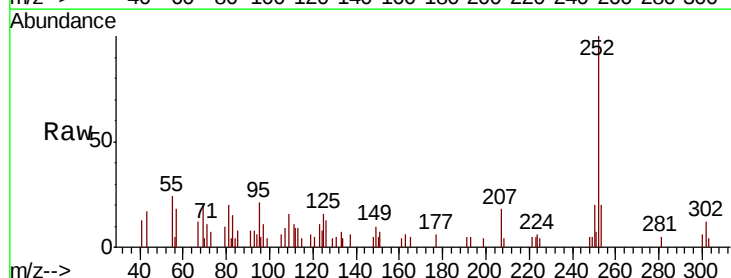
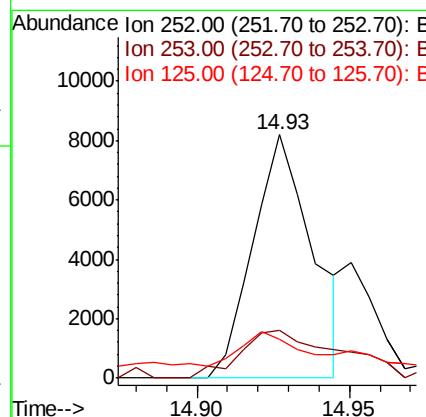
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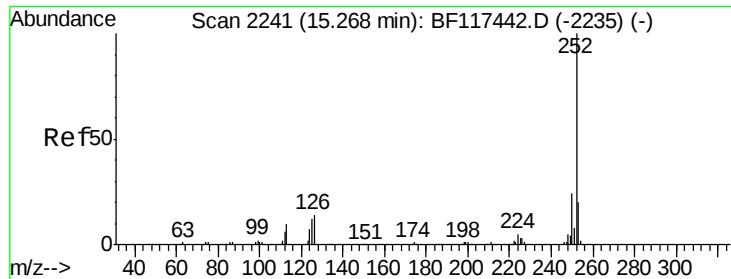
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#88
Benzo(b)fluoranthene
Concen: 3.878 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117613.D
Acq: 30 Oct 2019 2:09

Tgt Ion:	252	Resp:	11139
Ion Ratio	Lower	Upper	
252	100		
253	19.6	17.8	26.6
125	15.9	9.9	14.9#





#90
 Benzo(a)pyrene
 Concen: 2.440 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: BF117613.D
 Acq: 30 Oct 2019 2:09

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-1-12

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	16.3	24.5#
125	22.0	9.2	13.8#

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