

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117585.D
 Acq On : 29 Oct 2019 12:44
 Operator : JU
 Sample : K5503-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 173-96-(0-2)

Manual Integrations
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Quant Time: Oct 30 03:07:49 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	46180	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	179159	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	77777	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	102648	20.00	ng	0.00
76) Chrysene-d12	13.89	240	83466	20.00	ng	0.00
87) Perylene-d12	15.33	264	81217	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	271434	87.44	ng	0.00
7) Phenol-d6	6.39	99	376591	90.33	ng	0.00
23) Nitrobenzene-d5	7.29	82	222126	61.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	47226	70.18	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	311467	56.42	ng	-0.01
79) Terphenyl-d14	12.83	244	200038	39.09	ng	0.00
Target Compounds						
10) Phenol	6.40	94	11119	2.613	ng	94
50) Dimethylphthalate	9.48	163	27943	5.040	ng	96
71) Phenanthrene	11.27	178	78237	13.126	ng	100
72) Anthracene	11.33	178	18428	3.013	ng	99
75) Fluoranthene	12.46	202	144187	24.165	ng	97
78) Pyrene	12.69	202	129320	18.038	ng	99
81) Benzo(a)anthracene	13.88	228	69108	12.275	ng	98
83) Chrysene	13.92	228	63865	11.574	ng	97
86) Indeno(1,2,3-cd)pyrene	16.74	276	24883	6.040	ng	97
88) Benzo(b)fluoranthene	14.92	252	80368m	16.757	ng	
89) Benzo(k)fluoranthene	14.94	252	23133m	4.706	ng	
90) Benzo(a)pyrene	15.27	252	50872	11.667	ng	# 94
92) Benzo(a,h,i)perylene	17.17	276	22438	6.290	ng	# 92

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

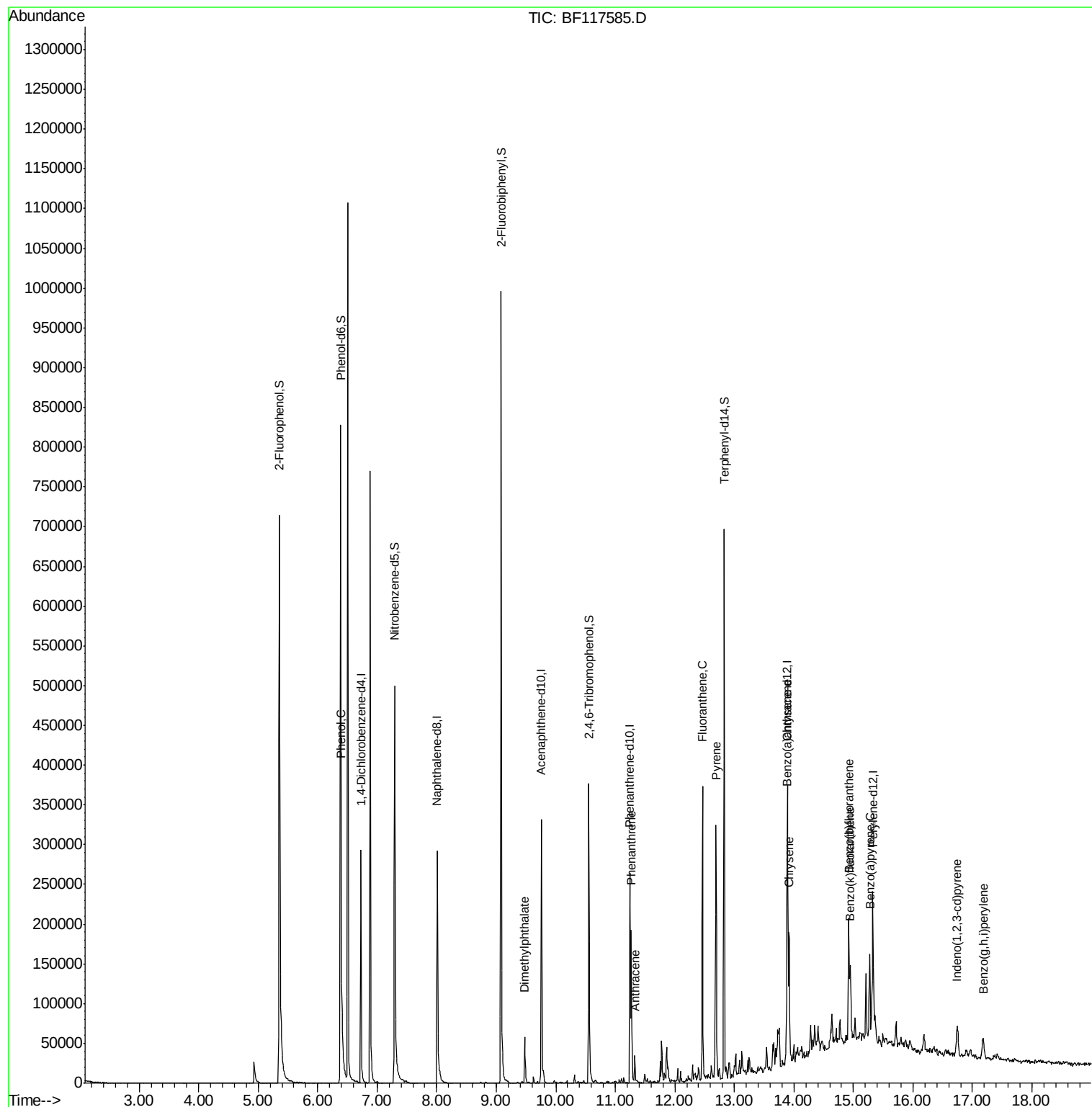
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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ALS Vial : 8 Sample Multiplier: 1

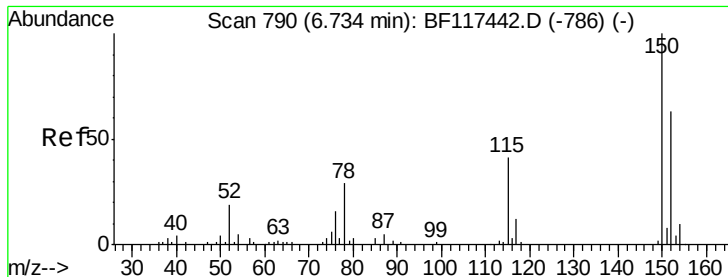
Instrument :
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173-96-(0-2)

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Quant Time: Oct 30 03:07:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

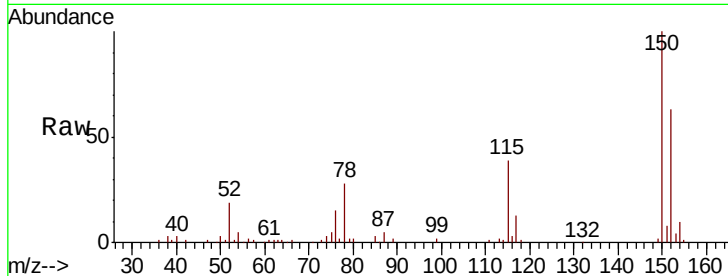
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Instrument :
BNA_F
ClientSampleId :
173-96-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	126.8	190.2
115	61.8	51.6	77.4

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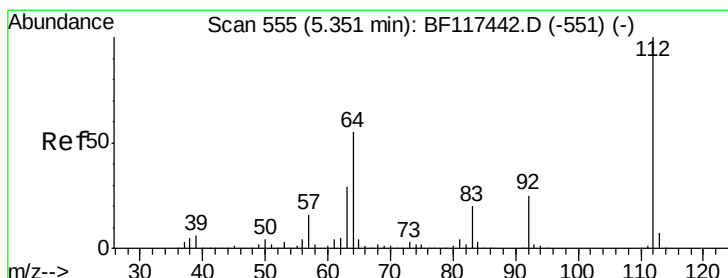
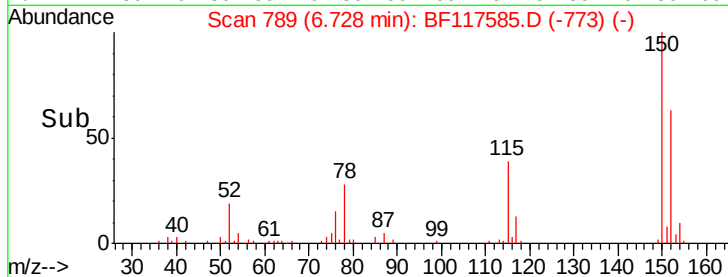
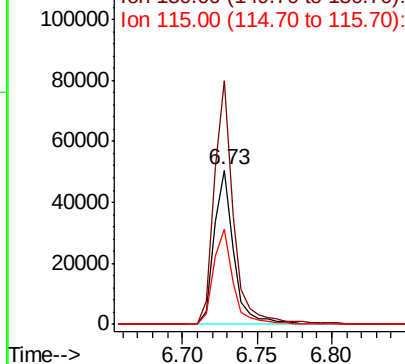


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

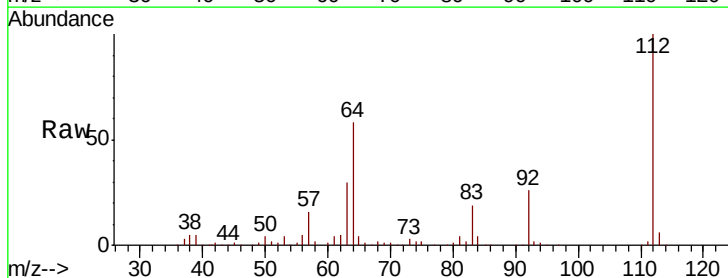
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.443 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	44.1	66.1
63	30.1	23.4	35.2

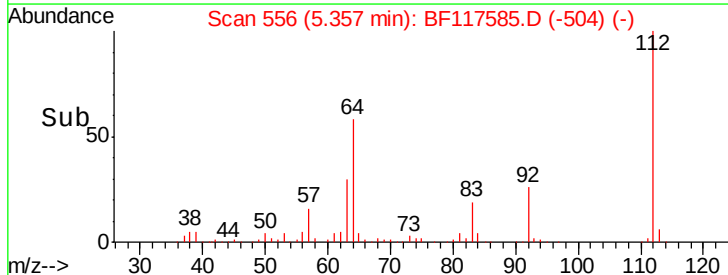
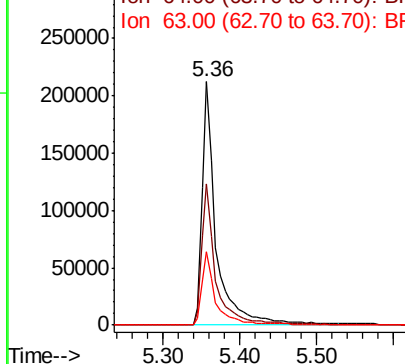


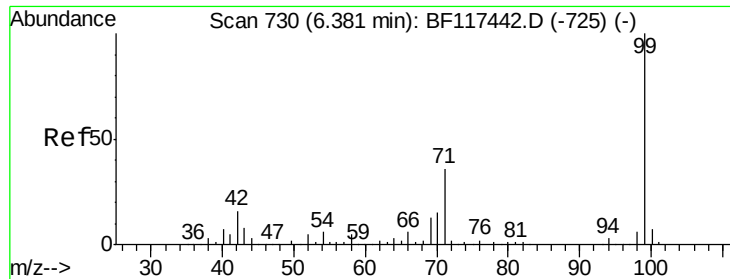
Abundance

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: 90.328 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117585.D

Acq: 29 Oct 2019 12:44

Instrument :

BNA_F

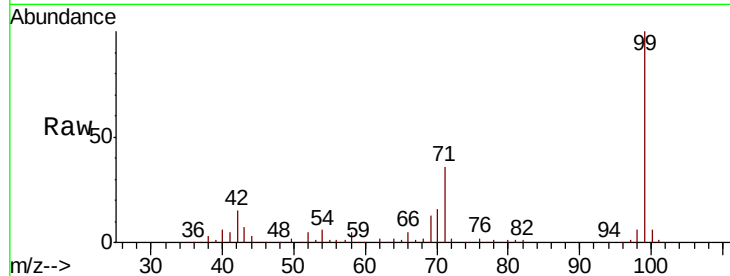
ClientSampleId :

173-96-(0-2)

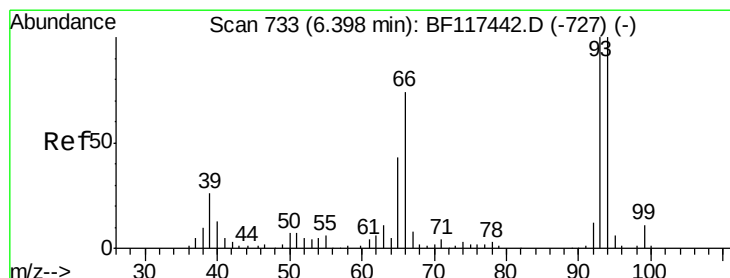
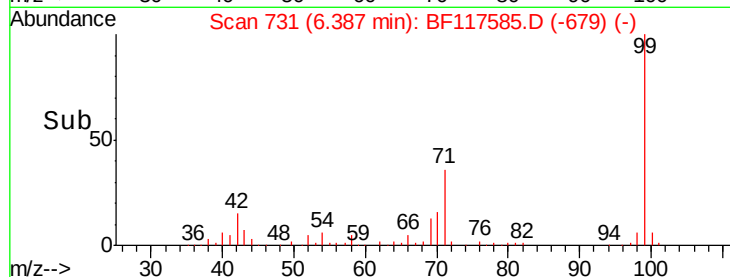
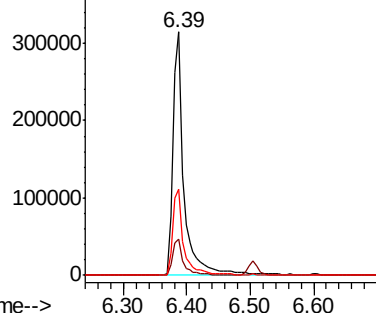
Tot Ion:	99	Resp:	376591
Ion	Ratio	Lower	Upper
99	100		
42	14.8	12.8	19.2
71	35.6	28.6	43.0

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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



#10

Phenol

Concen: 2.613 ng

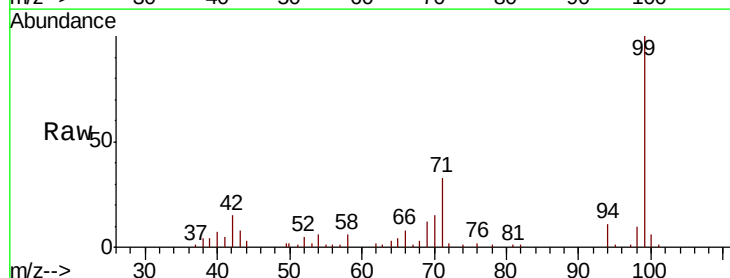
RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

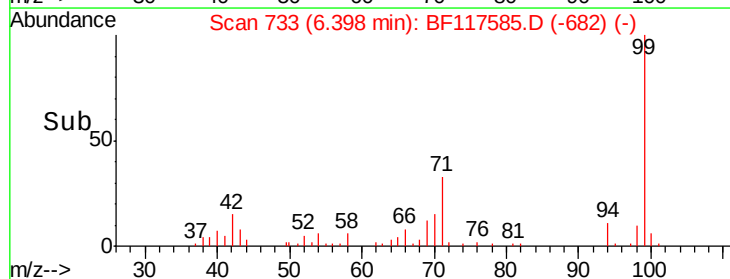
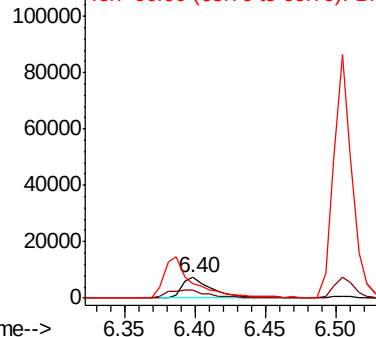
Lab File: BF117585.D

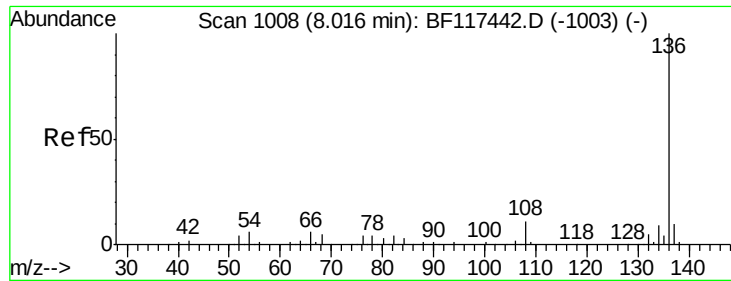
Acq: 29 Oct 2019 12:44

Tgt Ion:	94	Resp:	11119
Ion	Ratio	Lower	Upper
94	100		
65	36.6	23.4	63.4
66	72.4	54.7	94.7



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





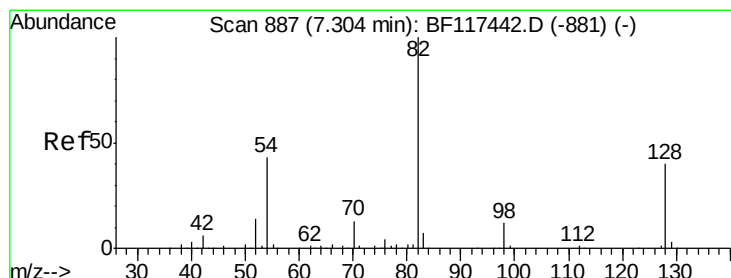
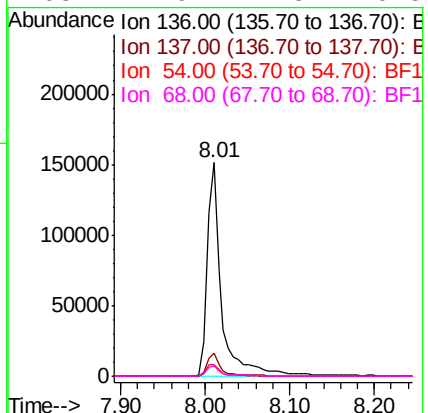
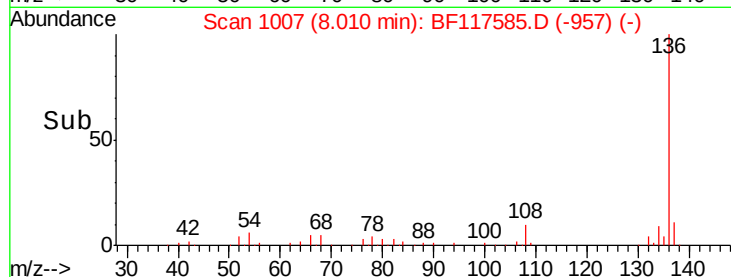
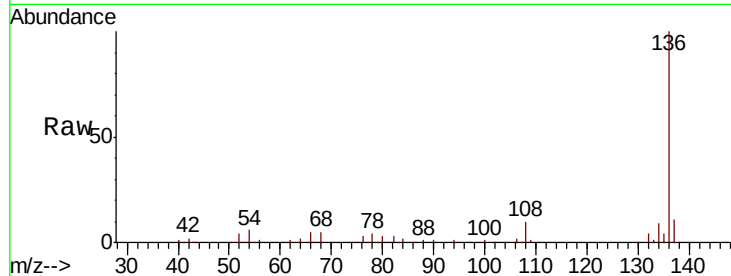
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Instrument :
BNA_F
ClientSampleId :
173-96-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	179159		
137	10.6		8.2	12.4
54	5.6		4.5	6.7
68	4.9		4.3	6.5

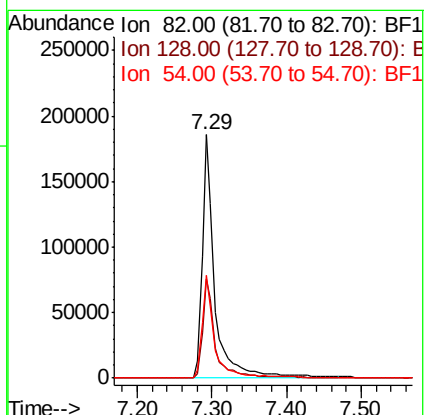
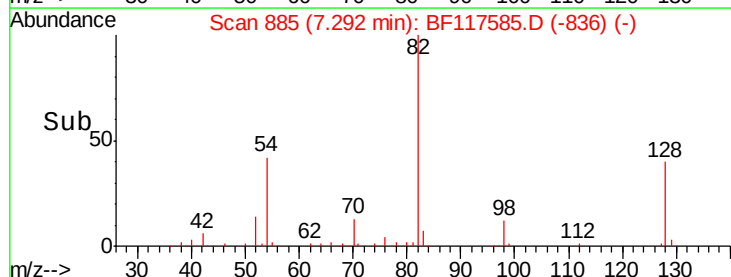
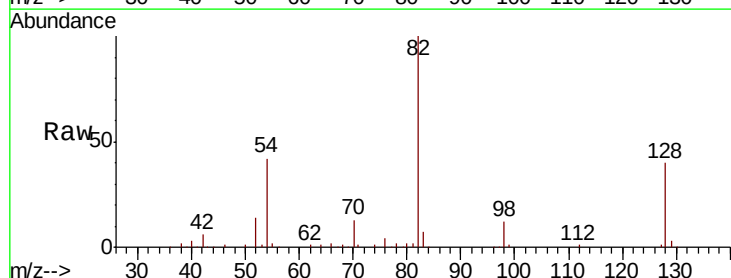
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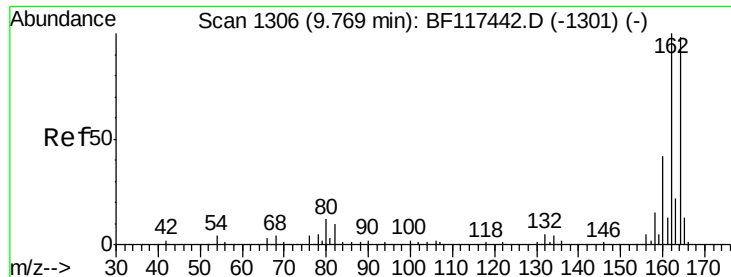
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#23
Nitrobenzene-d5
Concen: 61.208 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	222126		
128	40.4		32.2	48.2
54	42.4		34.2	51.2





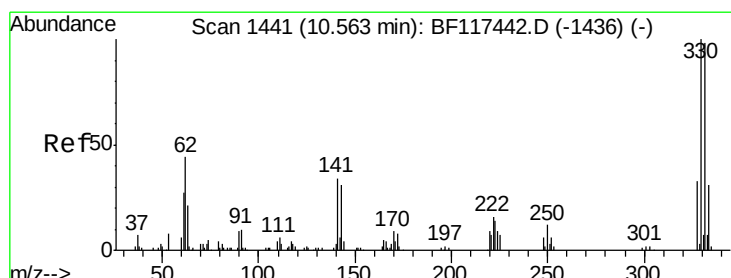
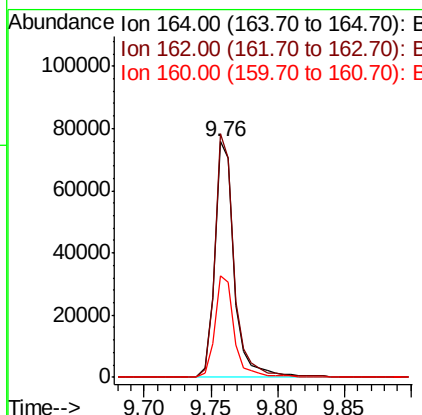
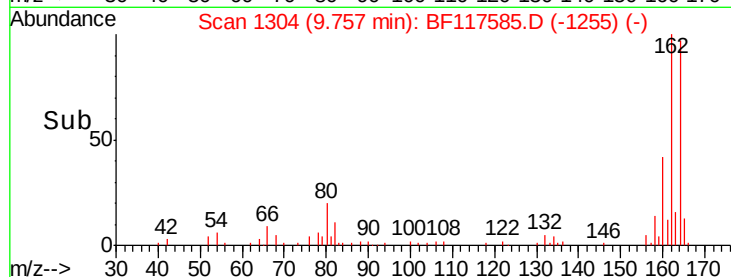
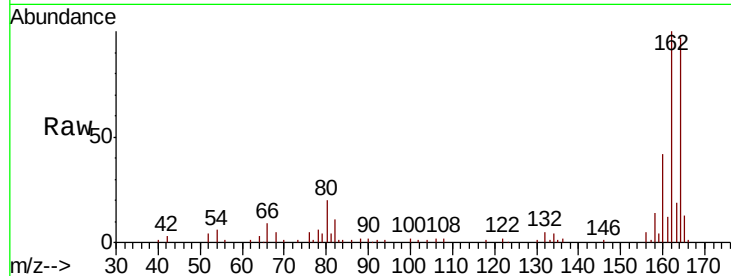
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF117585.D
 Acq: 29 Oct 2019 12:44

Instrument :
 BNA_F
 ClientSampleId :
 173-96-(0-2)

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.8	122.6
160	43.0	34.4	51.6

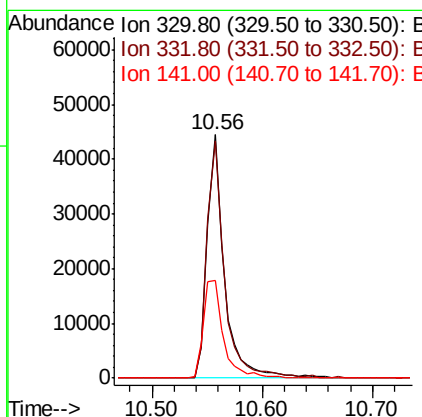
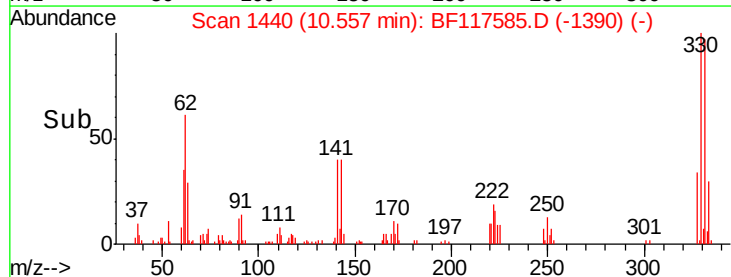
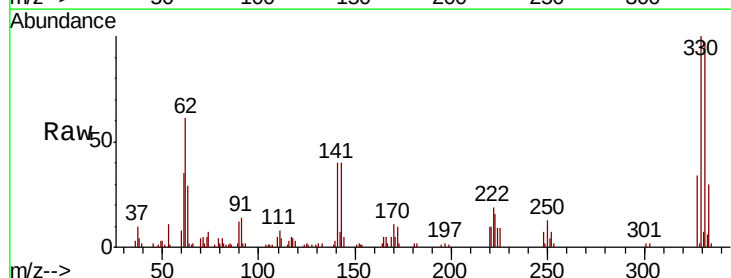
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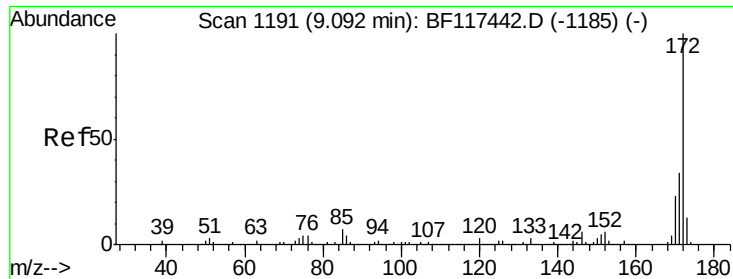
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#42
 2,4,6-Tribromophenol
 Concen: 70.175 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117585.D
 Acq: 29 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.5	78.5	117.7
141	45.8	37.0	55.6





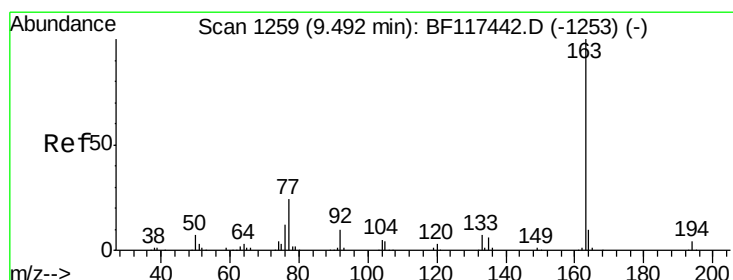
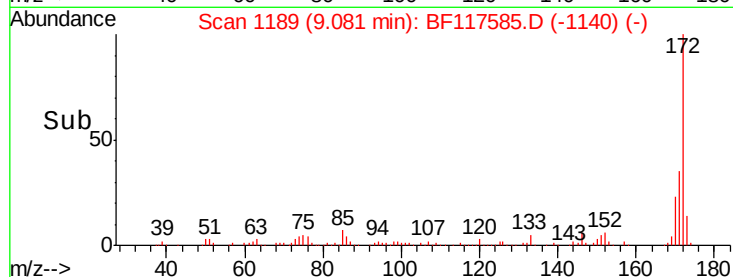
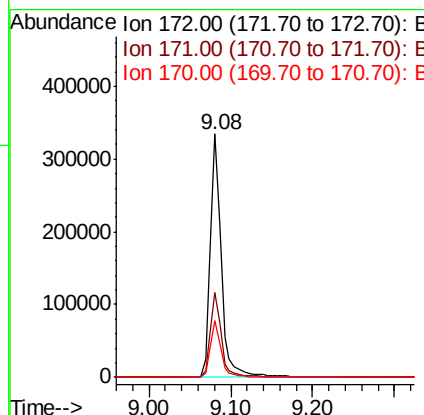
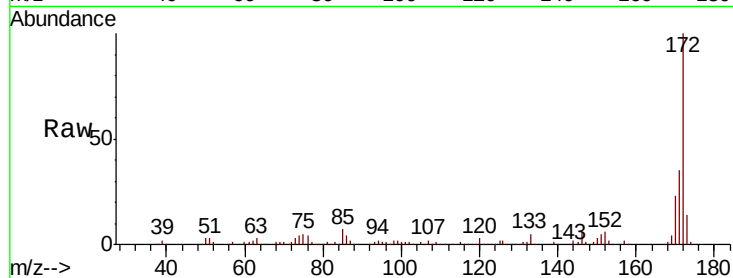
#45
2-Fluorobiphenyl
Concen: 56.425 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Instrument :
BNA_F
ClientSampleId :
173-96-(0-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.5	41.3
170	23.2	18.6	27.8

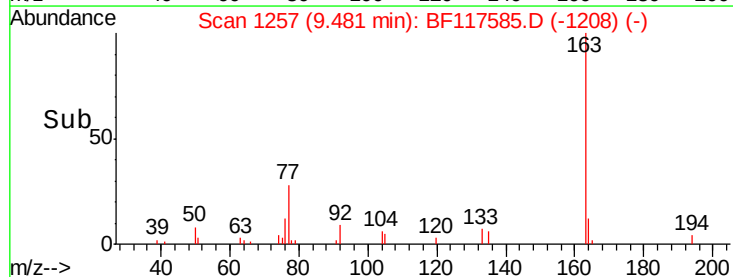
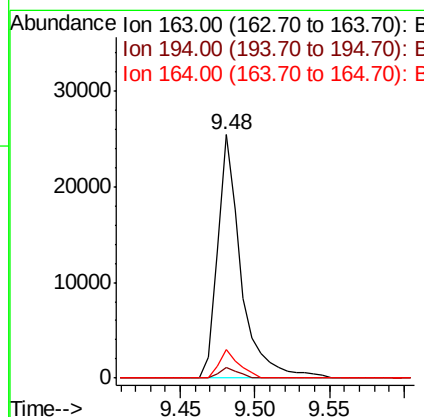
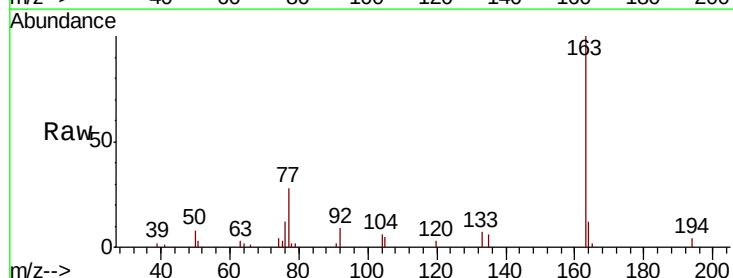
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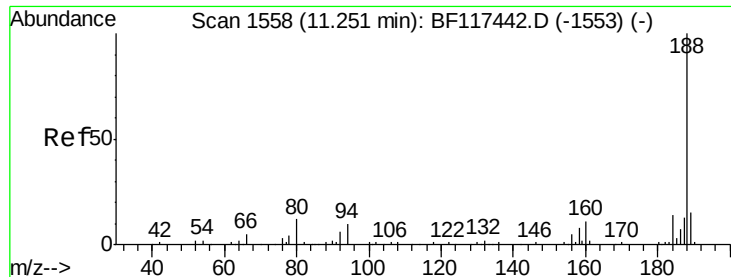
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#50
Dimethylphthalate
Concen: 5.040 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.9	4.3
164	11.7	8.2	12.2





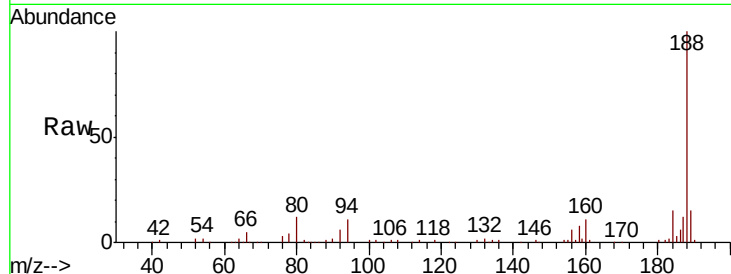
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Instrument :
BNA_F
ClientSampleId :
173-96-(0-2)

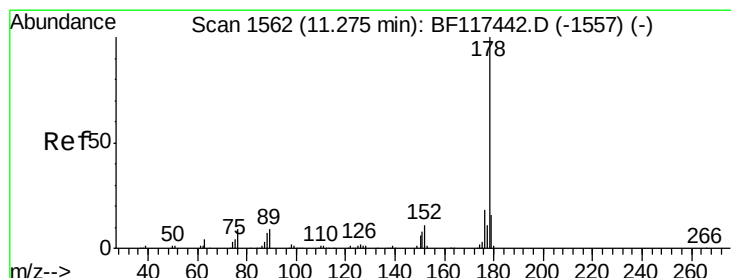
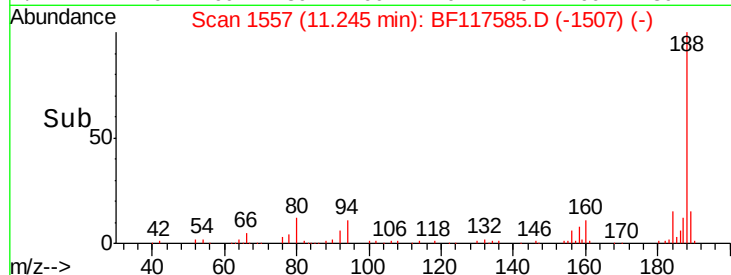
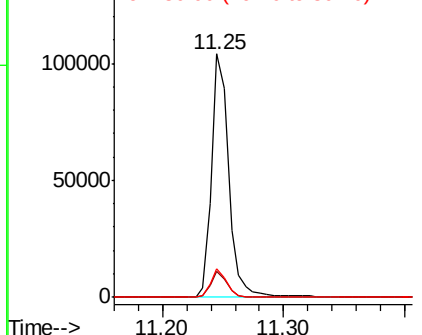
Tot Ion	Ratio	Resp	Lower	Upper
188	100	102648		
94	10.6		8.0	12.0
80	11.7		9.5	14.3

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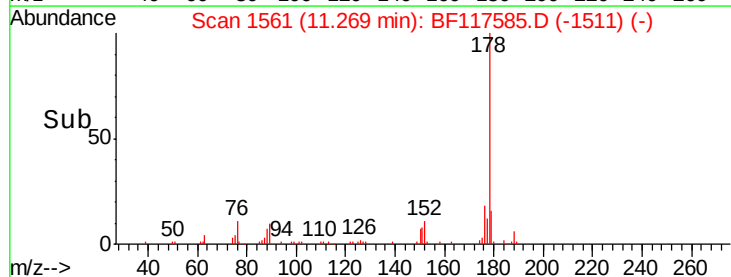
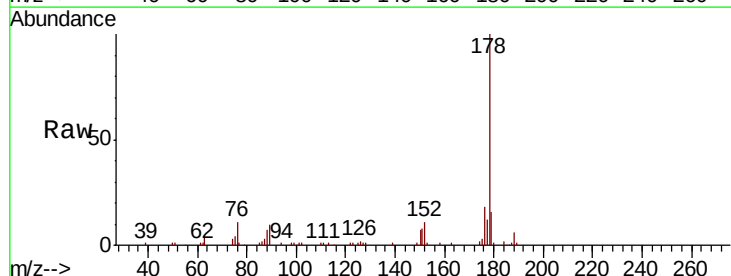
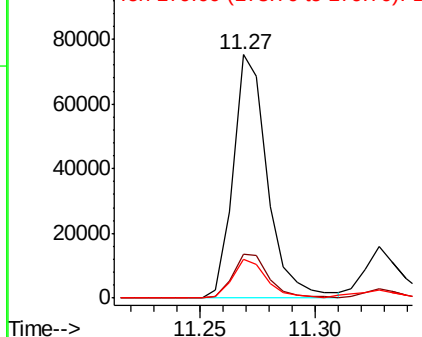
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

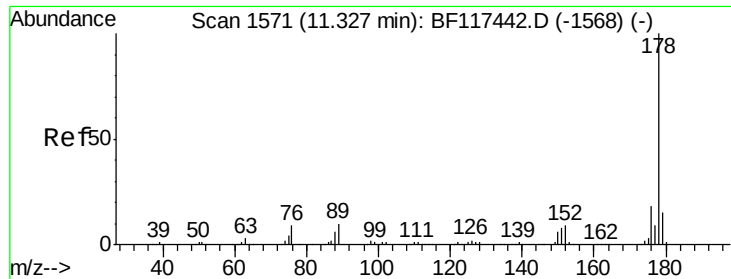


#71
Phenanthrene
Concen: 13.126 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	78237		
176	17.9		14.6	22.0
179	15.8		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





#72

Anthracene

Concen: 3.013 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF117585.D

Acq: 29 Oct 2019 12:44

Instrument :

BNA_F

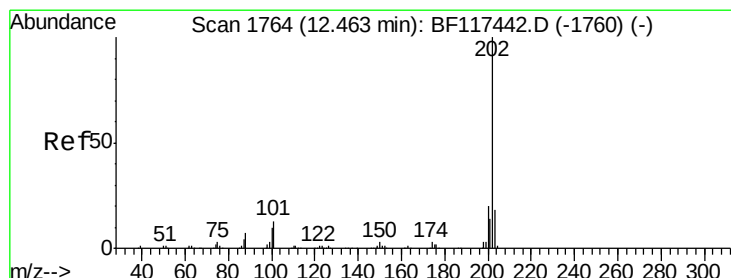
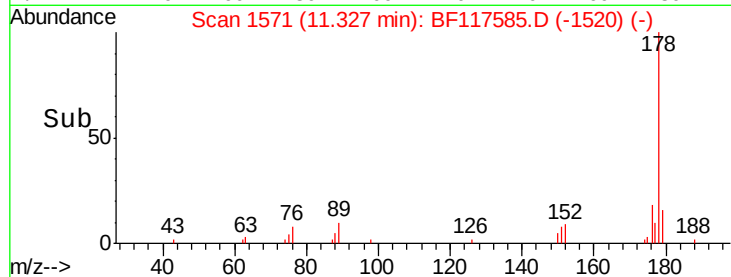
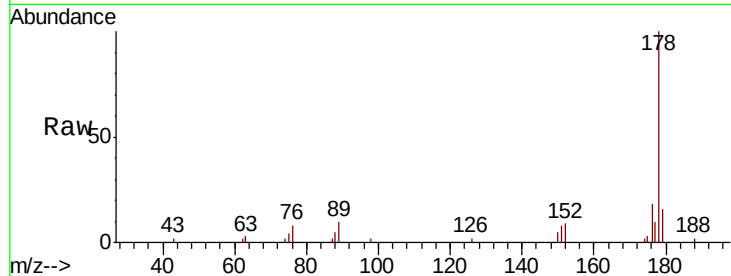
ClientSampleId :

173-96-(0-2)

Tot Ion:	178	Resp:	18428
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.7	22.1
179	16.2	12.2	18.2

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#75

Fluoranthene

Concen: 24.165 ng

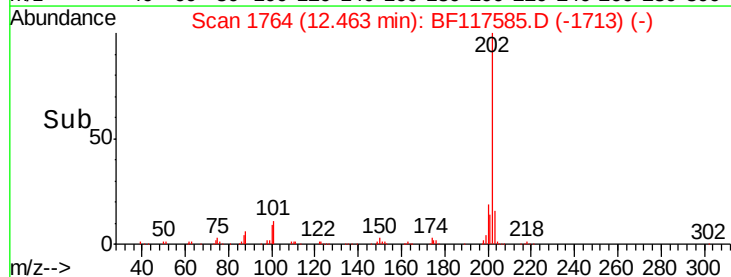
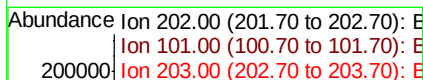
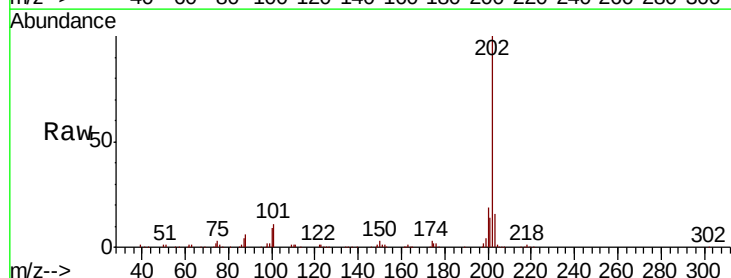
RT: 12.46 min Scan# 1764

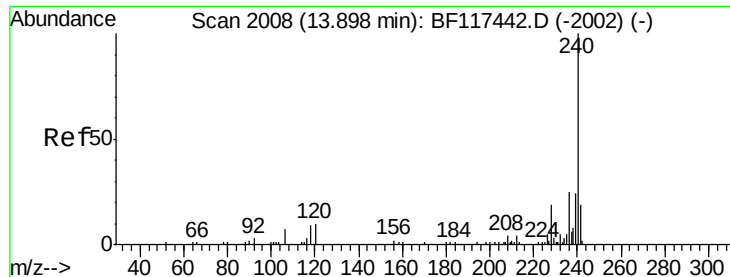
Delta R.T. 0.00 min

Lab File: BF117585.D

Acq: 29 Oct 2019 12:44

Tgt Ion:	202	Resp:	144187
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	32.7
203	16.4	0.0	37.6





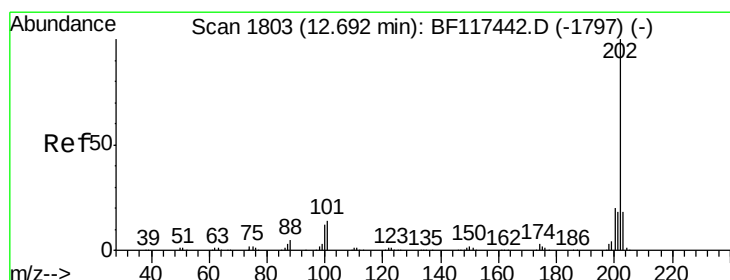
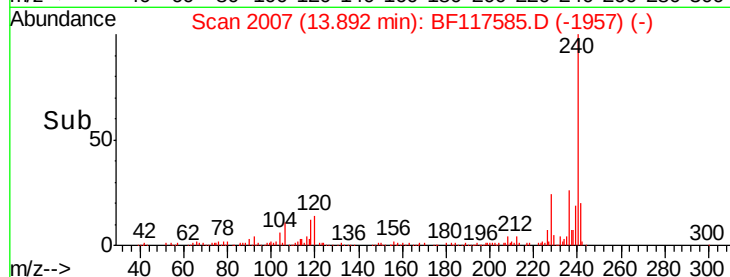
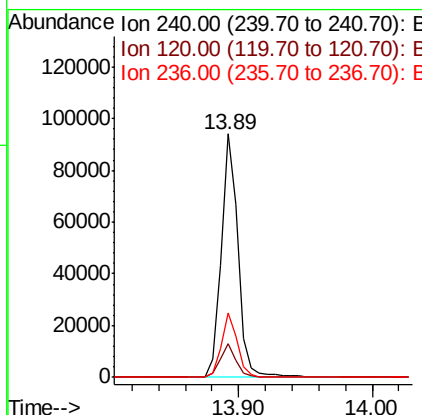
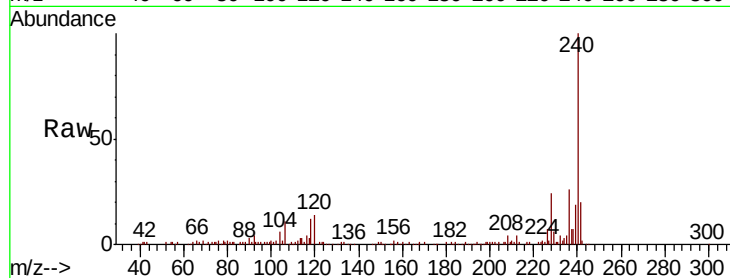
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Instrument :
BNA_F
ClientSampleId :
173-96-(0-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.6	8.4	12.6#
236	26.2	20.0	30.0

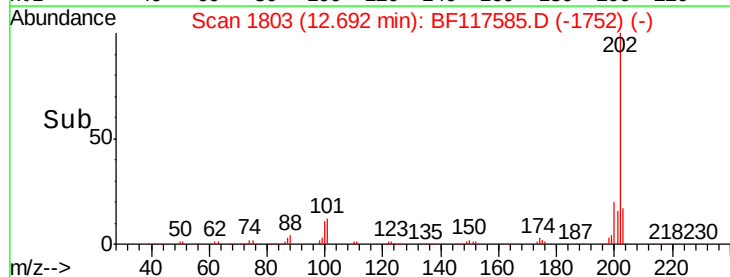
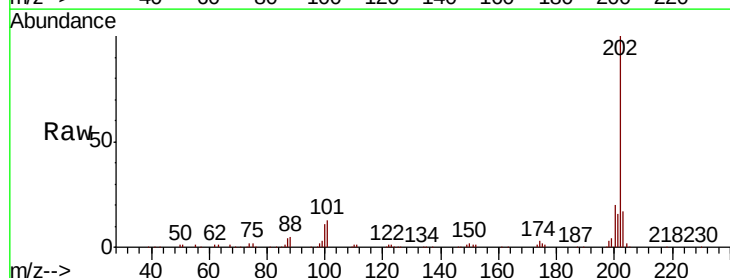
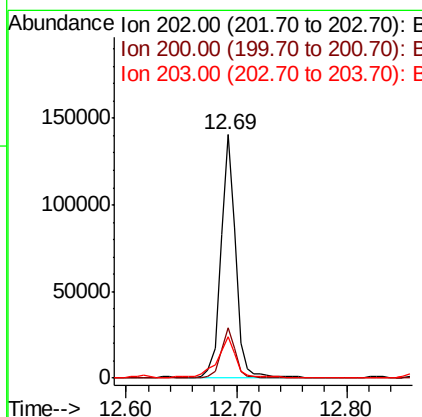
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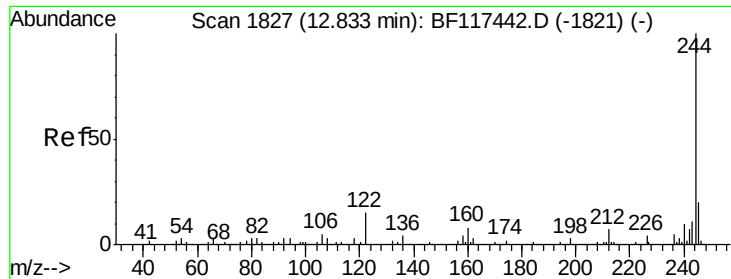
mohammad
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#78
Pyrene
Concen: 18.038 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.2
203	17.1	14.0	21.0





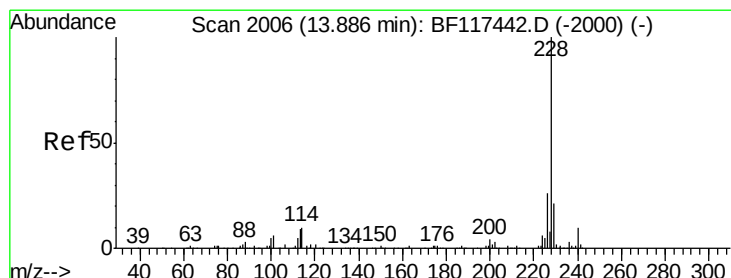
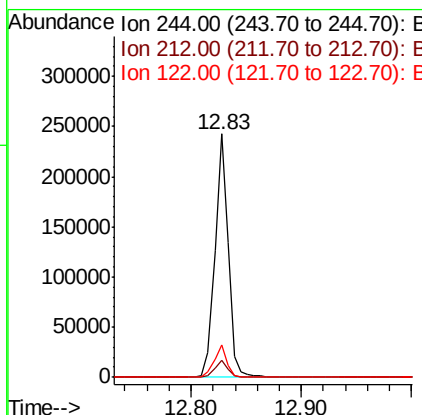
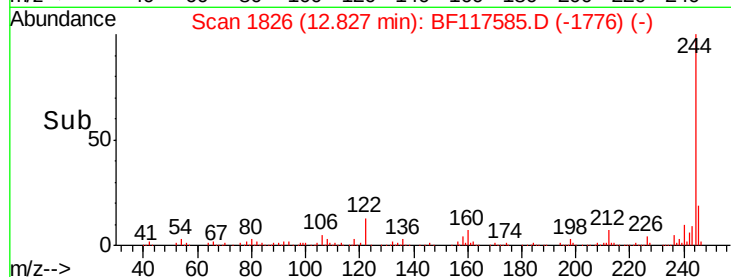
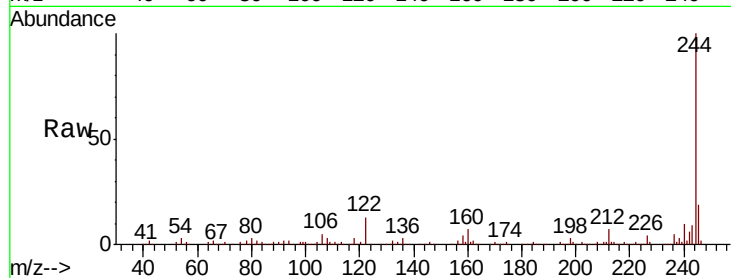
#79
 Terphenyl-d14
 Concen: 39.092 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117585.D
 Acq: 29 Oct 2019 12:44

Instrument :
 BNA_F
 ClientSampleId :
 173-96-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	13.3	11.8	17.8

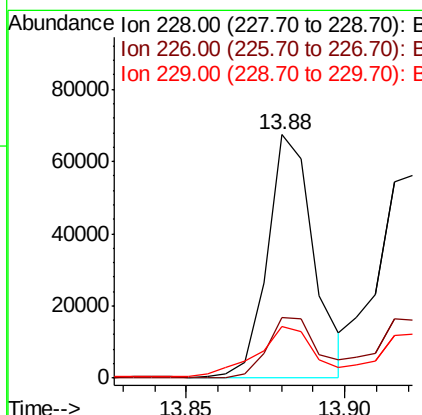
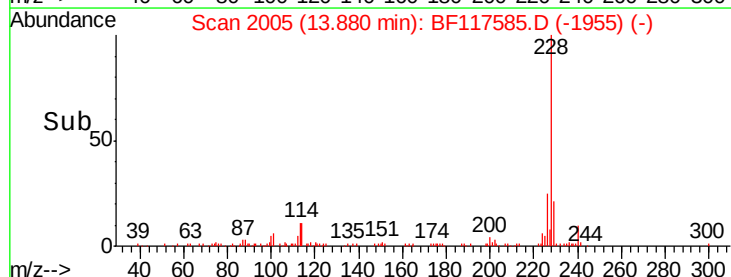
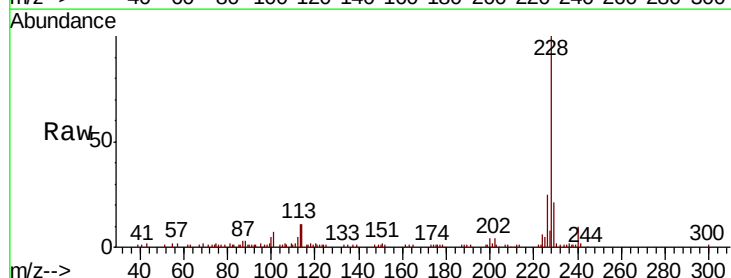
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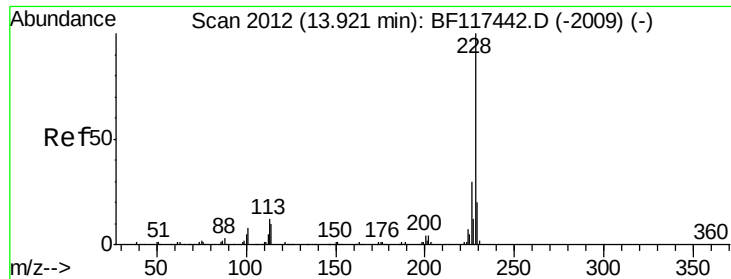
mohammad
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#81
 Benzo(a)anthracene
 Concen: 12.275 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117585.D
 Acq: 29 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.9	21.0	31.4
229	21.3	16.4	24.6





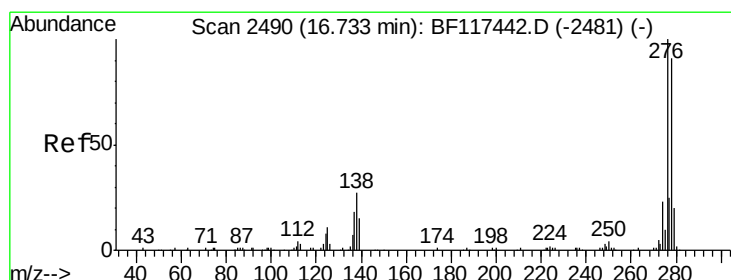
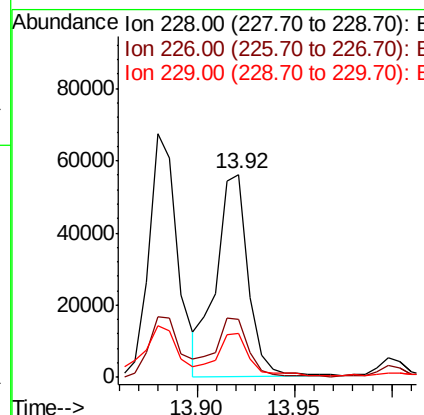
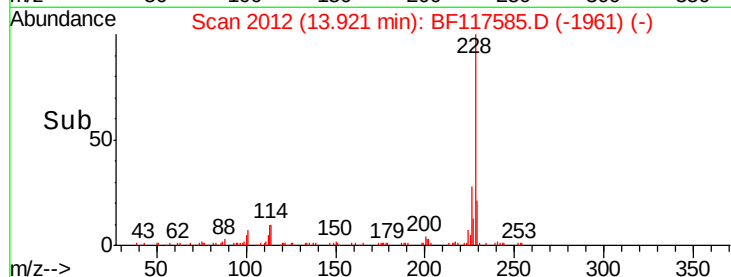
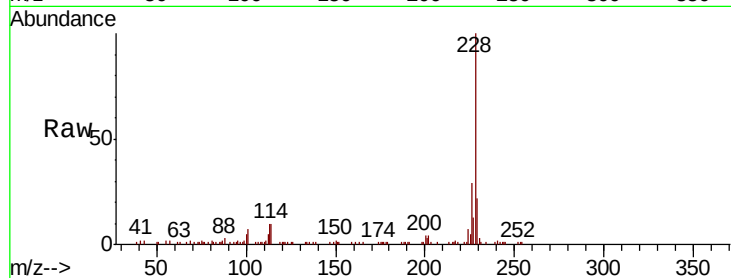
#83
Chrysene
Concen: 11.574 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Instrument :
BNA_F
ClientSampleId :
173-96-(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.9	35.9
229	21.7	15.8	23.6

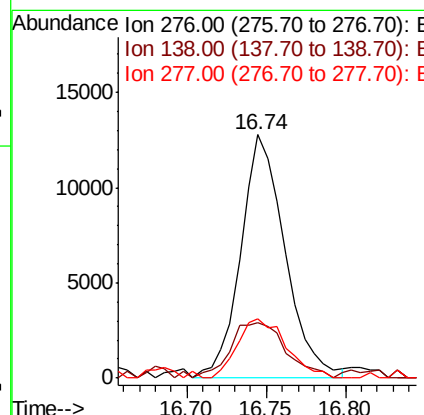
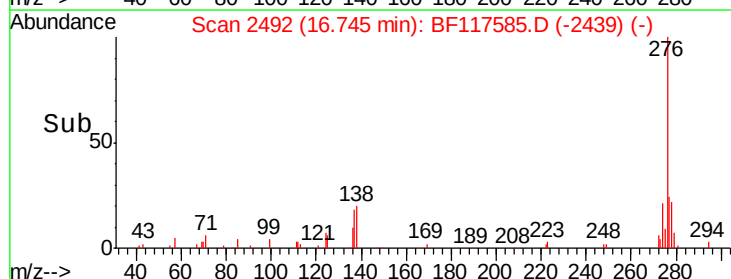
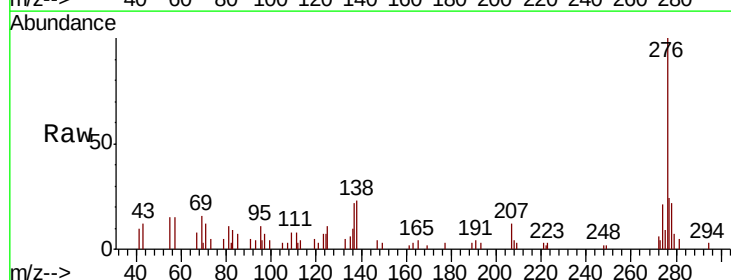
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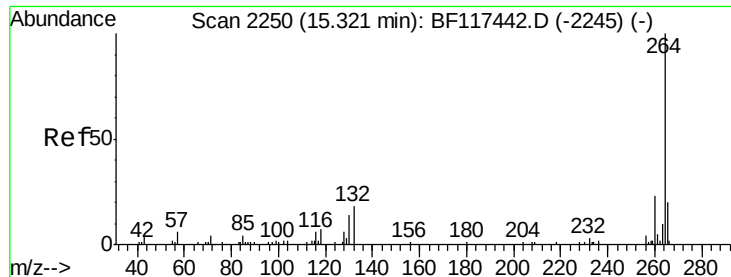
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.040 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.7	21.8	32.8
277	26.8	20.0	30.0





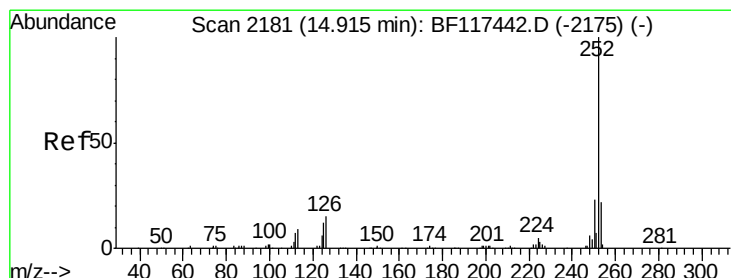
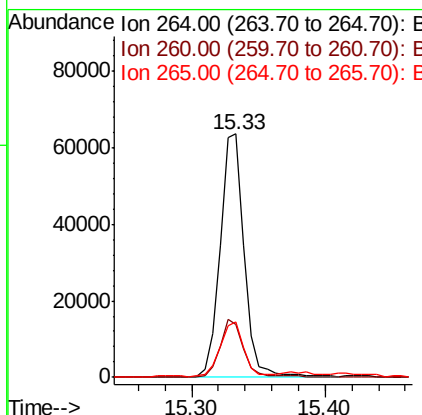
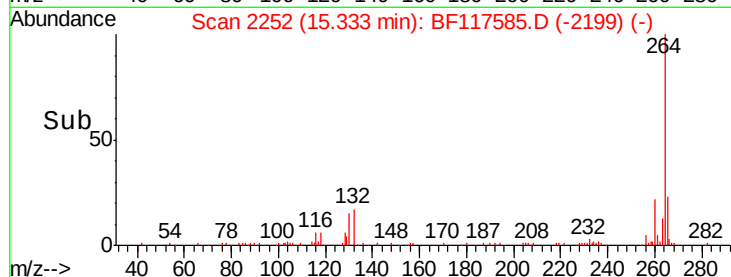
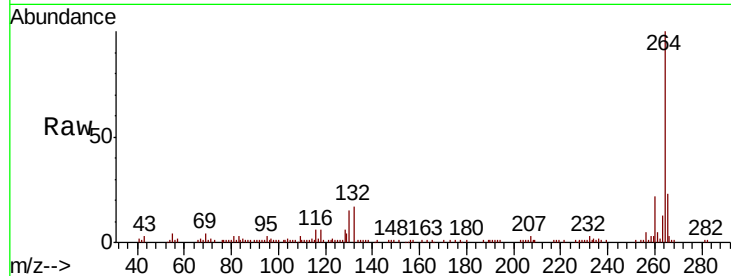
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Instrument :
BNA_F
ClientSampleId :
173-96-(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.4	27.6
265	22.6	16.1	24.1

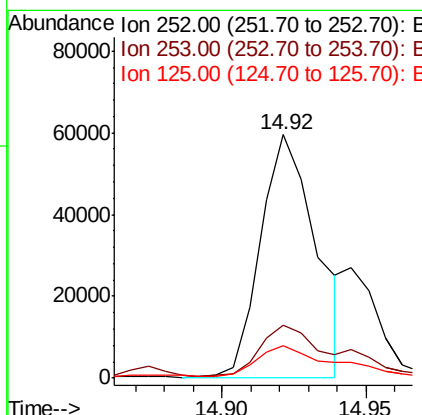
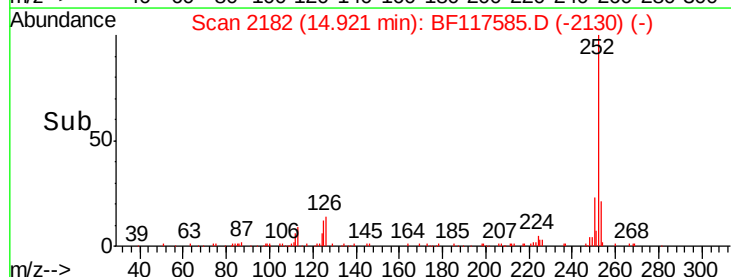
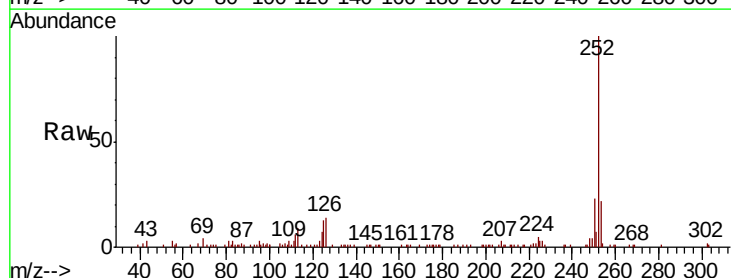
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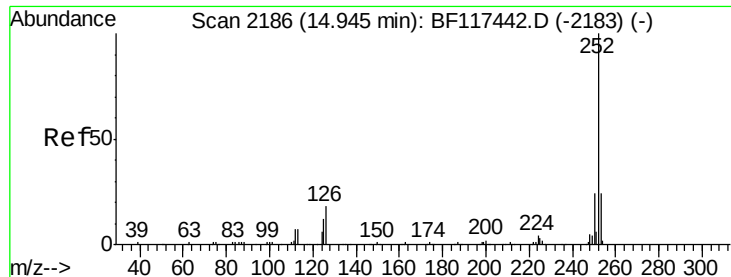
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#88
Benzo(b)fluoranthene
Concen: 16.757 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	13.4	9.9	14.9





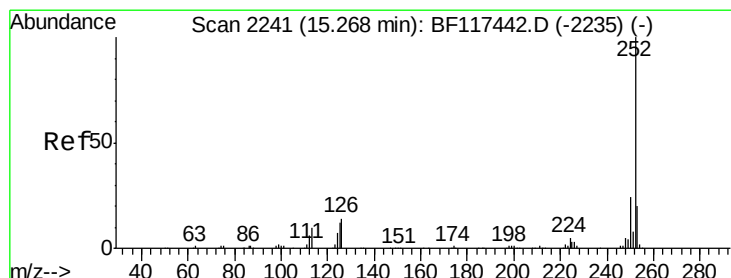
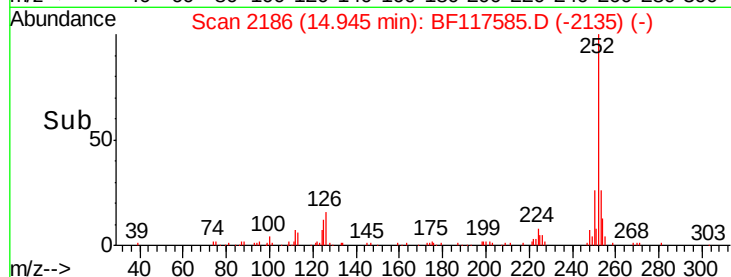
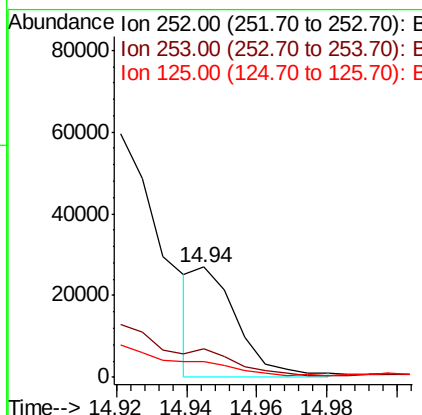
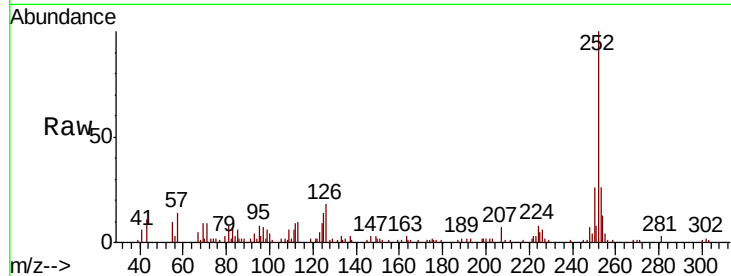
#89
Benzo(k)fluoranthene
Concen: 4.706 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Instrument :
BNA_F
ClientSampleId :
173-96-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.0	27.0
125	14.3	8.9	13.3

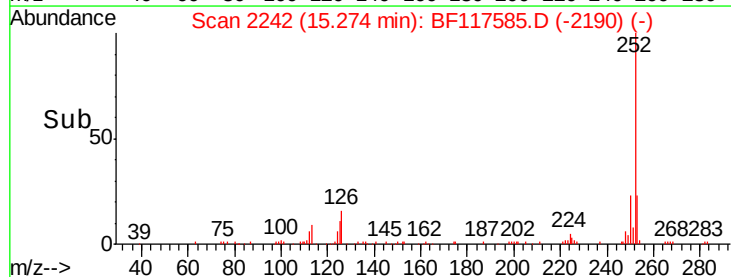
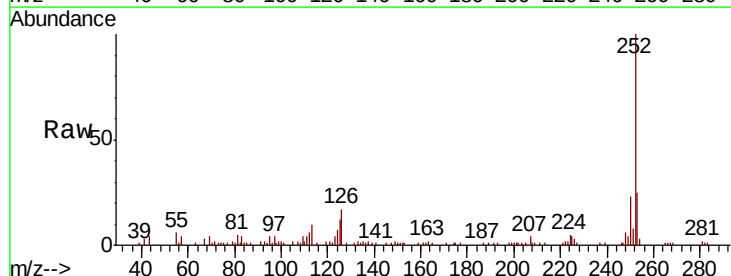
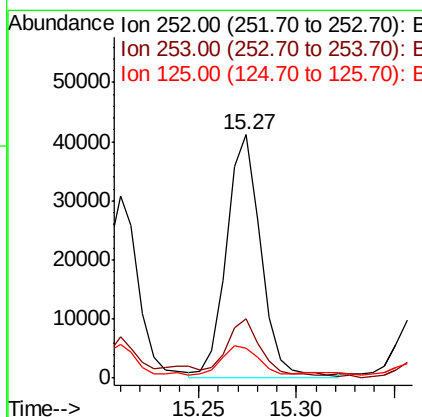
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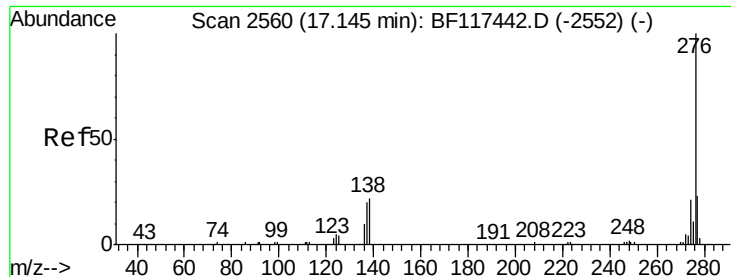
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#90
Benzo(a)pyrene
Concen: 11.667 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117585.D
Acq: 29 Oct 2019 12:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	16.3	24.5
125	12.2	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 6.290 ng
 RT: 17.17 min Scan# 2565
 Delta R.T. 0.03 min
 Lab File: BF117585.D
 Acq: 29 Oct 2019 12:44

Instrument :
 BNA_F
 ClientSampleId :
 173-96-(0-2)

Tot Ion:	276	Resp:	22438
Ion Ratio	Lower	Upper	
276	100		
277	29.0	18.4	27.6#
138	23.3	17.8	26.6

Manual Integrations
 APPROVED

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