

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
 Data File : BF117564.D
 Acq On : 28 Oct 2019 16:31
 Operator : JU
 Sample : K5501-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 187-30-(0-2)

Manual Integrations
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 10/30/2019 4:51:15 PM

Quant Time: Oct 29 15:44:54 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	36956	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	150891	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	75308	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	110825	20.00	ng	0.00
76) Chrysene-d12	13.89	240	66155	20.00	ng	0.00
87) Perylene-d12	15.34	264	77156	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	210436	84.71	ng	0.00
7) Phenol-d6	6.38	99	299263	89.70	ng	0.00
23) Nitrobenzene-d5	7.29	82	184964	60.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	49945	76.65	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	304048	56.89	ng	-0.01
79) Terphenyl-d14	12.83	244	196049	48.34	ng	0.00
Target Compounds						
10) Phenol	6.39	94	8160	2.396	ng	Qvalue # 72
50) Dimethylphthalate	9.48	163	47244	8.800	ng	98
71) Phenanthrene	11.27	178	82183	12.771	ng	99
72) Anthracene	11.33	178	20358m	3.083	ng	
75) Fluoranthene	12.46	202	138296	21.467	ng	97
78) Pyrene	12.69	202	116828	20.560	ng	99
81) Benzo(a)anthracene	13.88	228	58202	13.043	ng	99
83) Chrysene	13.92	228	51484	11.772	ng	97
86) Indeno(1,2,3-cd)pyrene	16.76	276	28318	8.673	ng	97
88) Benzo(b)fluoranthene	14.93	252	69890m	15.340	ng	
89) Benzo(k)fluoranthene	14.94	252	26394m	5.652	ng	
90) Benzo(a)pyrene	15.28	252	52230	12.608	ng	# 93
92) Benzo(a,h,i)perylene	17.19	276	25472	7.516	ng	97

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

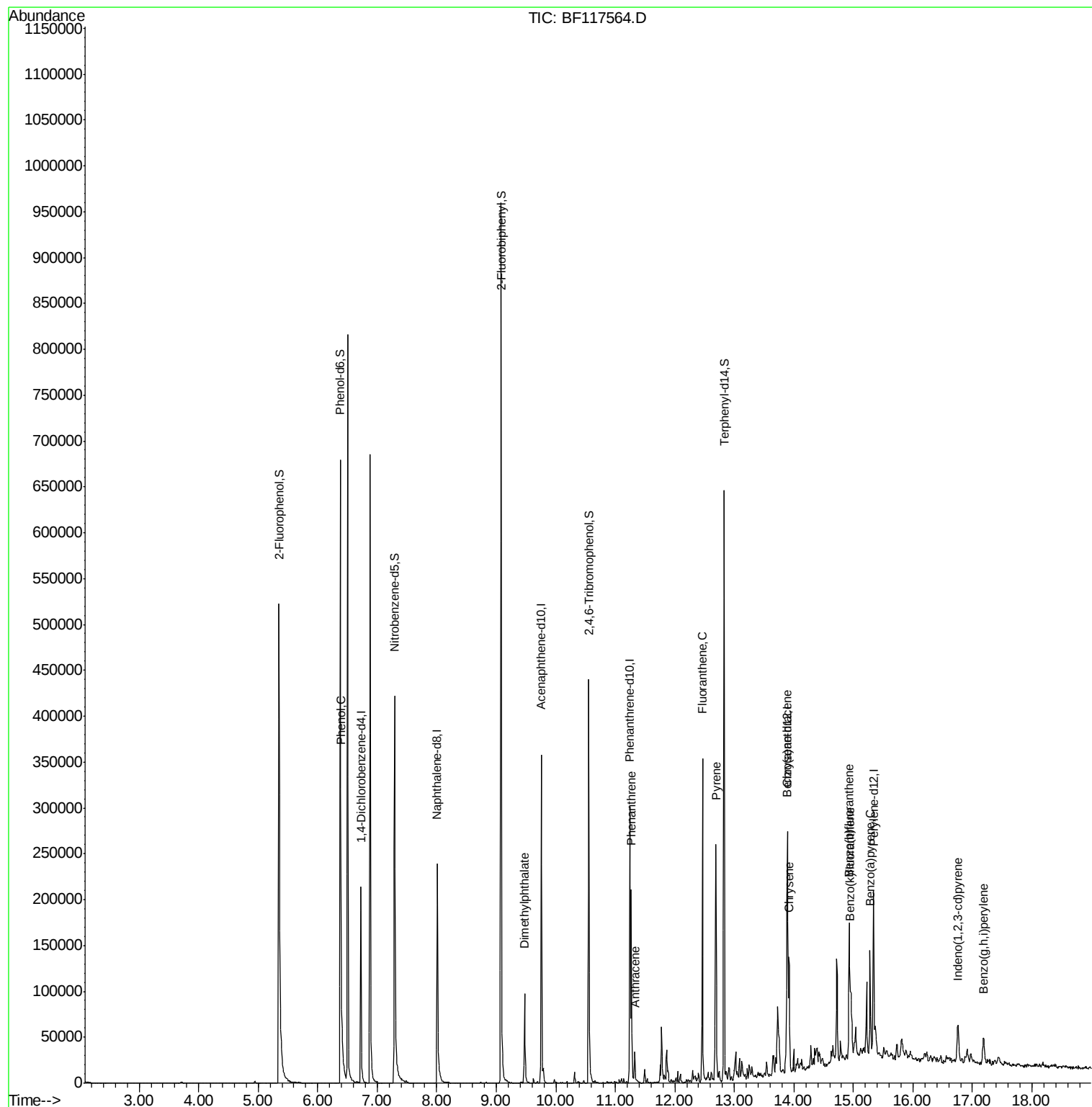
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
Data File : BF117564.D
Acq On : 28 Oct 2019 16:31
Operator : JU
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Quant Time: Oct 29 15:44:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

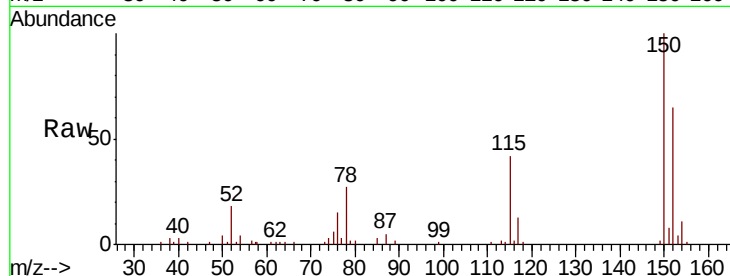
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117564.D
Acq: 28 Oct 2019 16:31

Instrument :
BNA_F
ClientSampleId :
187-30-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.8	190.2
115	64.1	51.6	77.4

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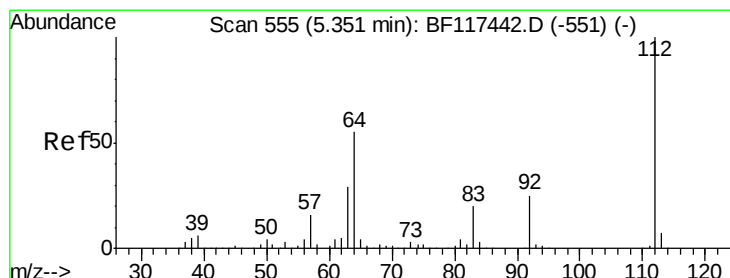
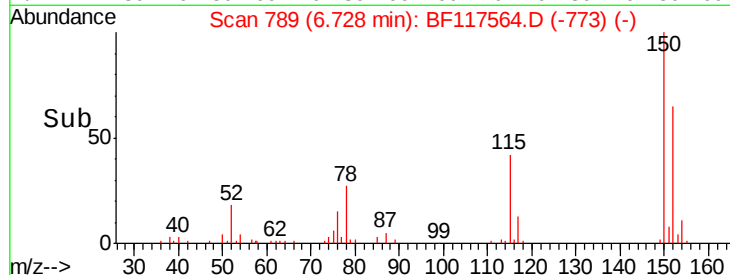
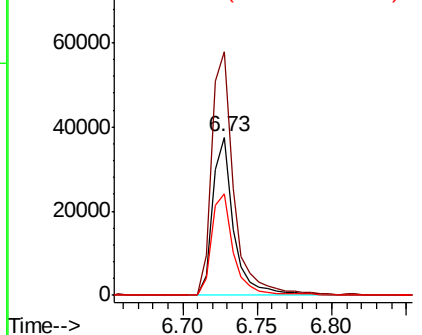


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

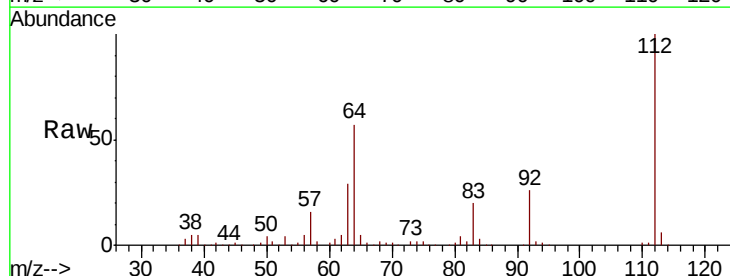
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.713 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117564.D
Acq: 28 Oct 2019 16:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	44.1	66.1
63	28.7	23.4	35.2

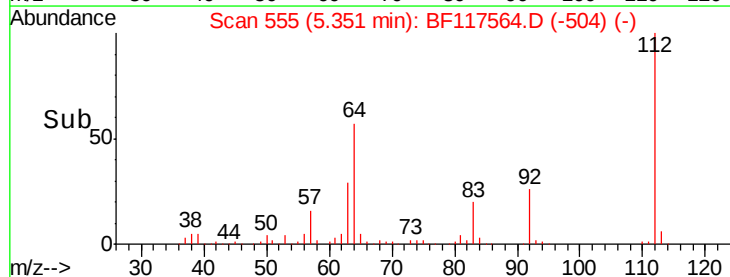
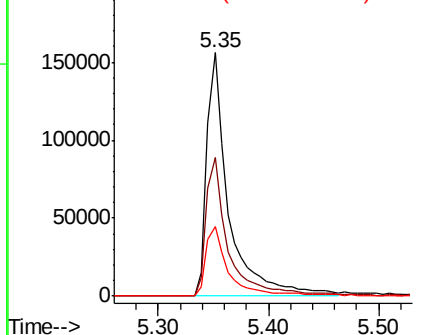


Abundance

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: 89.696 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117564.D

Acq: 28 Oct 2019 16:31

Instrument :

BNA_F

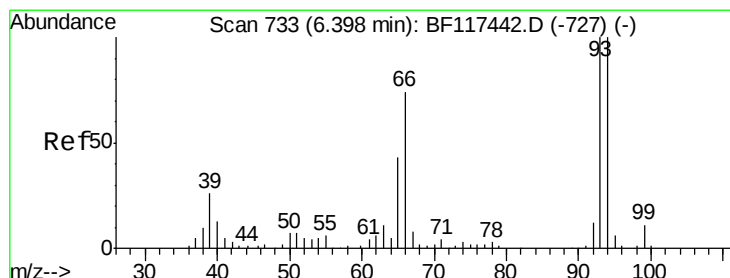
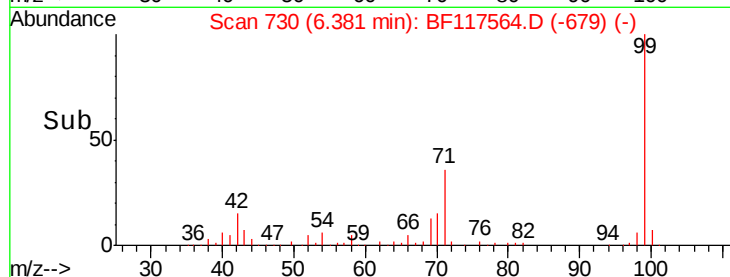
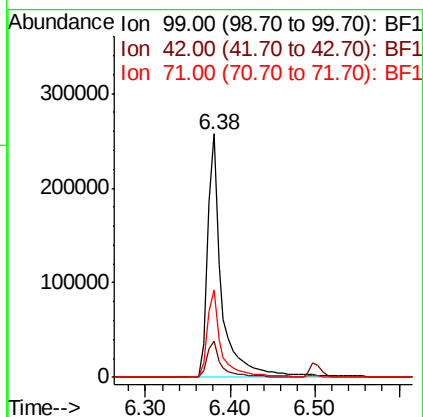
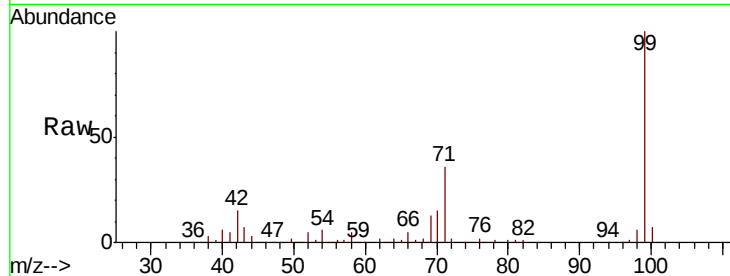
ClientSampleId :

187-30-(0-2)

Tot Ion:	99	Resp:	299263
Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.8	19.2
71	35.7	28.6	43.0

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#10

Phenol

Concen: 2.396 ng

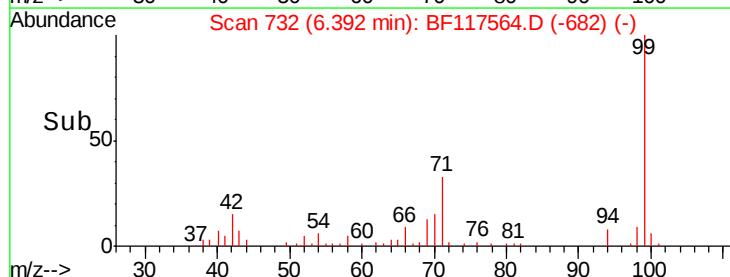
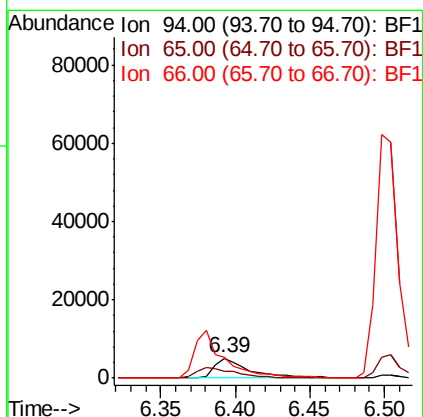
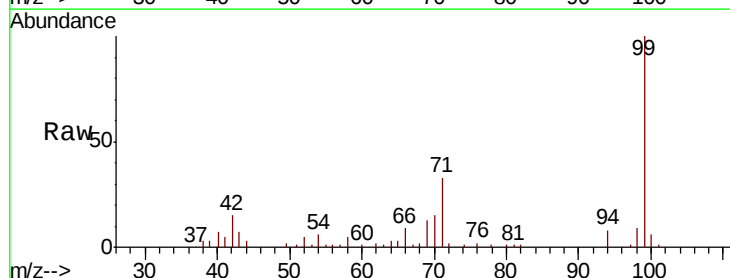
RT: 6.39 min Scan# 732

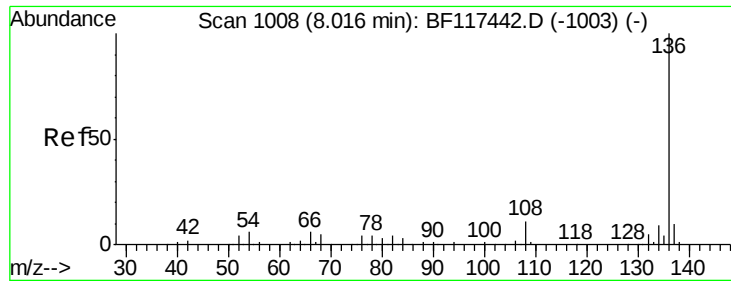
Delta R.T. -0.01 min

Lab File: BF117564.D

Acq: 28 Oct 2019 16:31

Tgt Ion:	94	Resp:	8160
Ion	Ratio	Lower	Upper
94	100		
65	36.9	23.4	63.4
66	106.7	54.7	94.7#





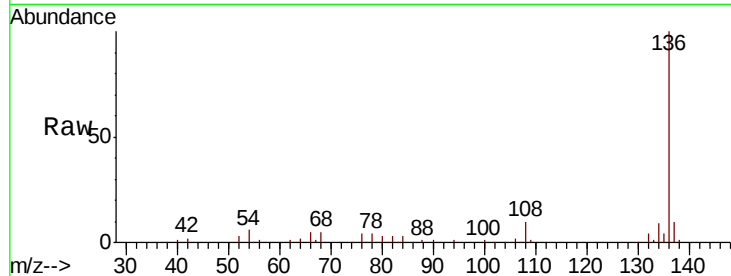
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117564.D
Acq: 28 Oct 2019 16:31

Instrument :
BNA_F
ClientSampleId :
187-30-(0-2)

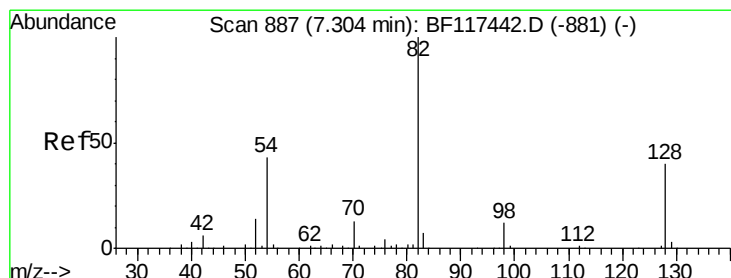
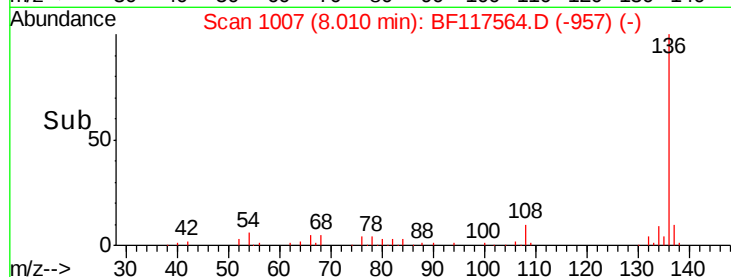
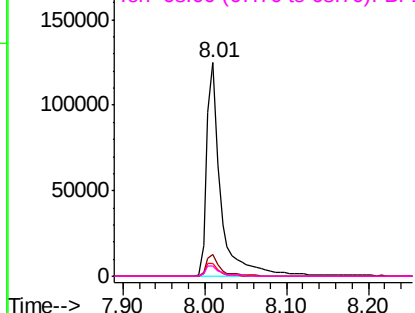
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		150891		
137	9.9	8.2	12.4		
54	5.9	4.5	6.7		
68	4.7	4.3	6.5		

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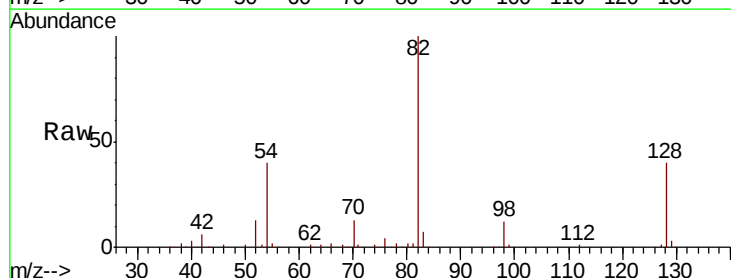


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

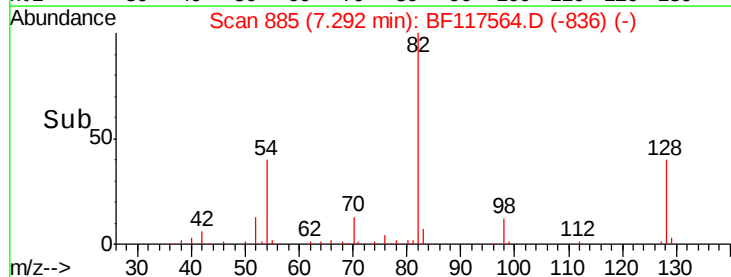
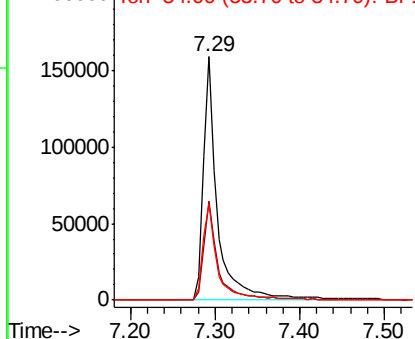


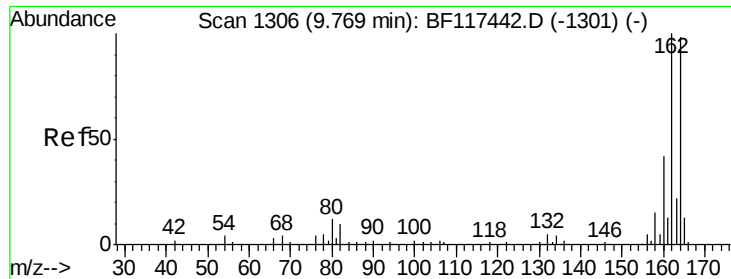
#23
Nitrobenzene-d5
Concen: 60.516 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117564.D
Acq: 28 Oct 2019 16:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		184964		
128	40.4	32.2	48.2		
54	39.9	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: BF117564.D

Acq: 28 Oct 2019 16:31

Instrument :

BNA_F

ClientSampleId :

187-30-(0-2)

Tot Ion:164 Resp: 75308

Ion Ratio Lower Upper

164 100

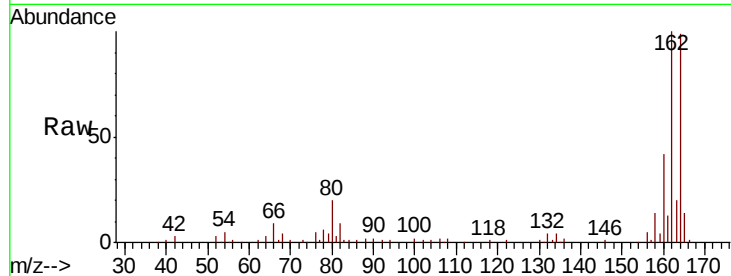
162 100.7 81.8 122.6

160 42.3 34.4 51.6

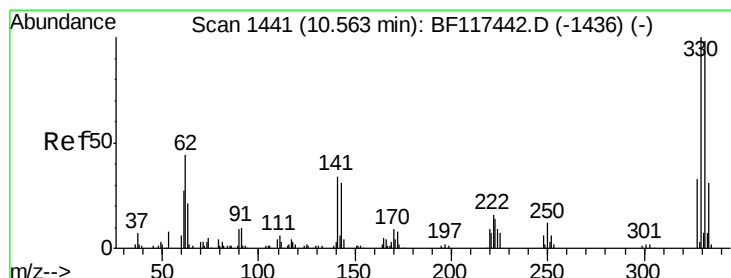
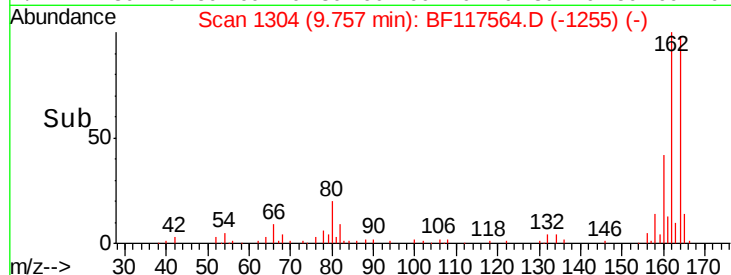
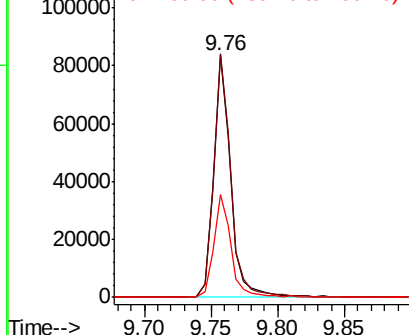
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 76.649 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF117564.D

Acq: 28 Oct 2019 16:31

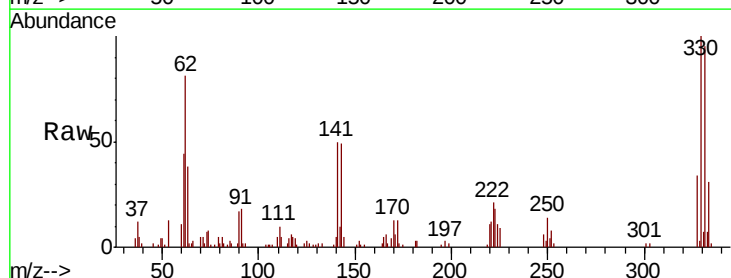
Tgt Ion:330 Resp: 49945

Ion Ratio Lower Upper

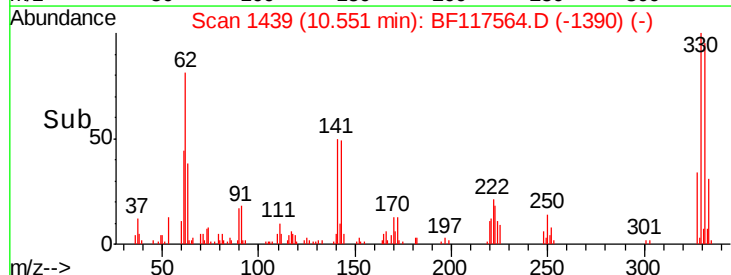
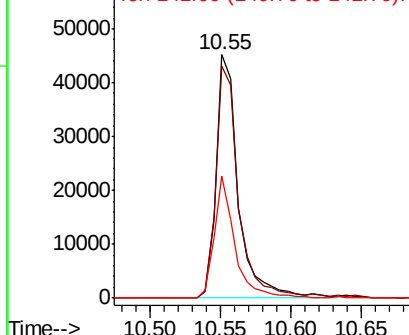
330 100

332 96.4 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





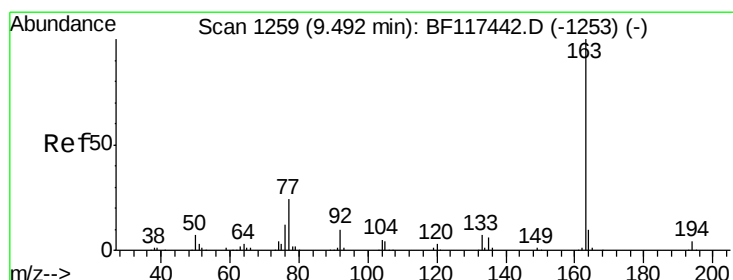
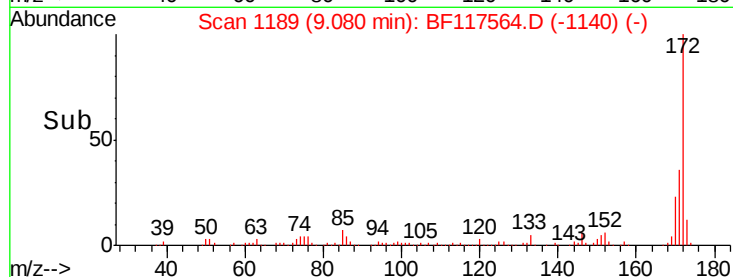
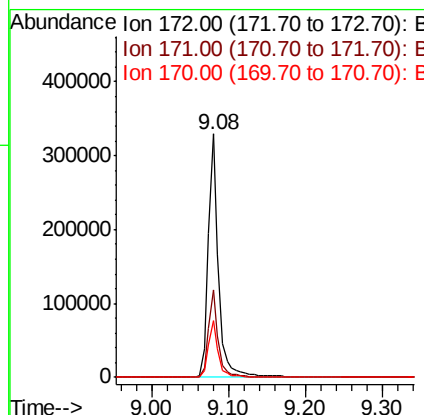
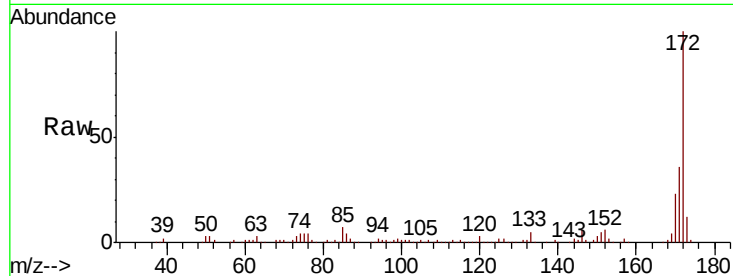
#45
2-Fluorobiphenyl
Concen: 56.886 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117564.D
Acq: 28 Oct 2019 16:31

Instrument :
BNA_F
ClientSampleId :
187-30-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	304048		
171	36.1	27.5	41.3	
170	23.3	18.6	27.8	

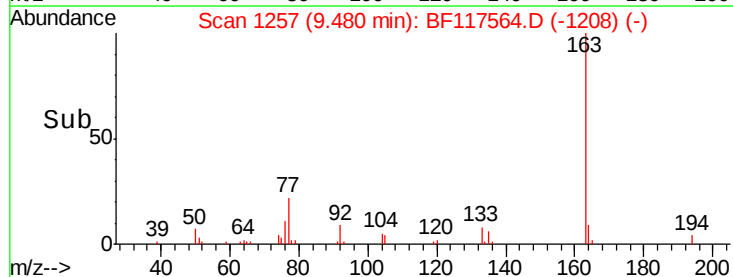
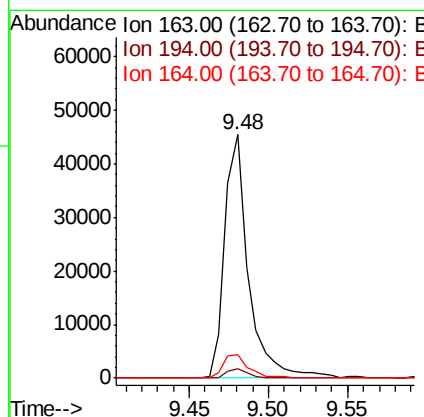
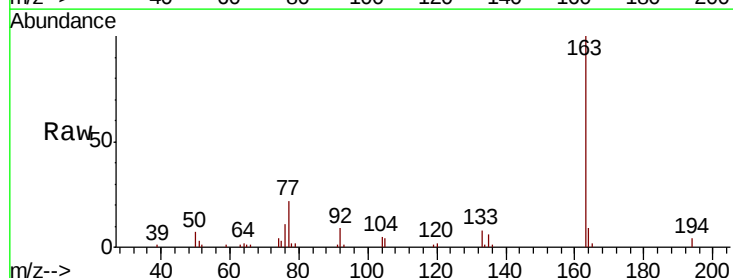
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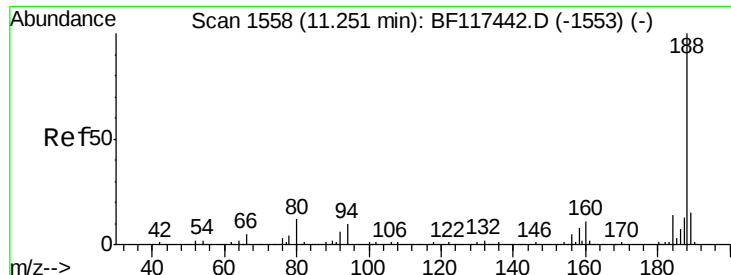
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#50
Dimethylphthalate
Concen: 8.800 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117564.D
Acq: 28 Oct 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	47244		
194	4.0	2.9	4.3	
164	9.5	8.2	12.2	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF117564.D

Acq: 28 Oct 2019 16:31

Instrument :

BNA_F

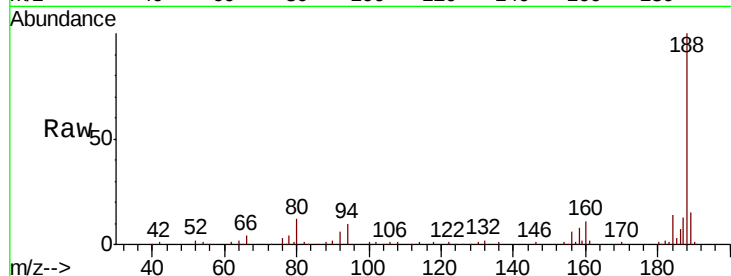
ClientSampleId :

187-30-(0-2)

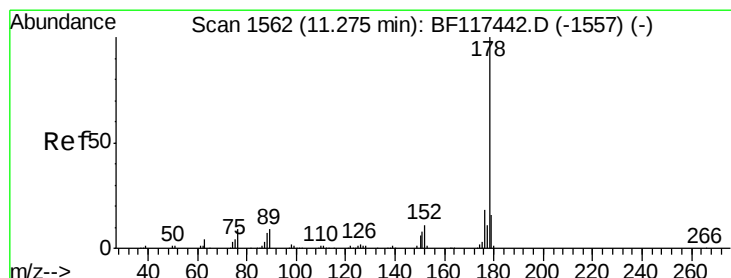
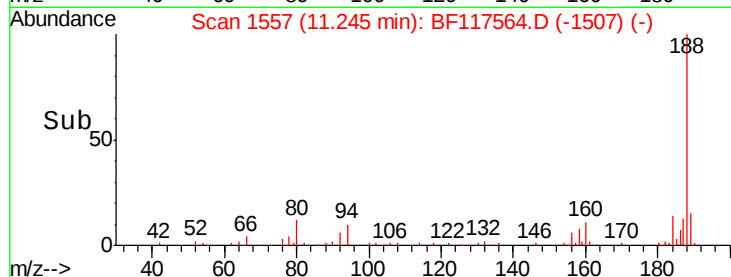
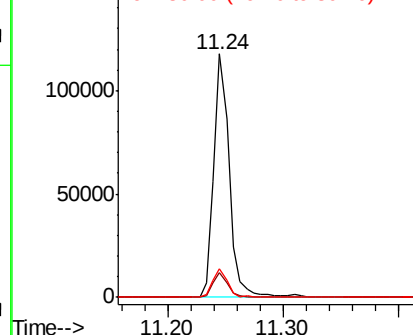
Tot Ion:	188	Resp:	110825
Ion Ratio	Lower	Upper	
188	100		
94	10.2	8.0	12.0
80	11.9	9.5	14.3

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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: 12.771 ng

RT: 11.27 min Scan# 1561

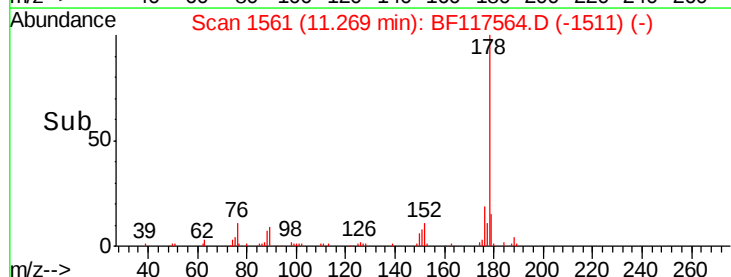
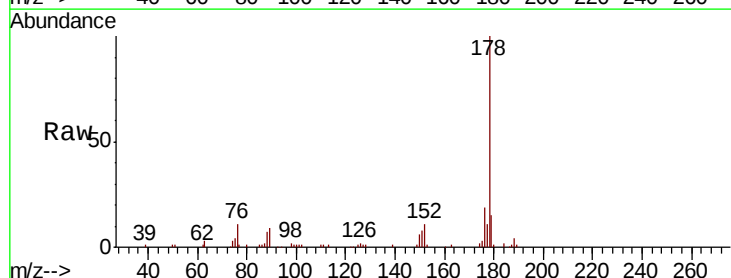
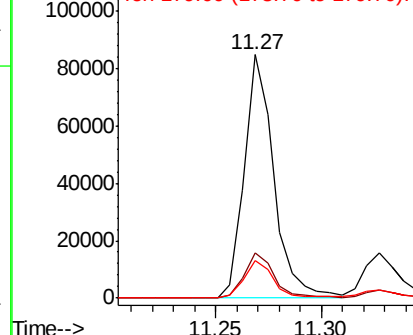
Delta R.T. -0.01 min

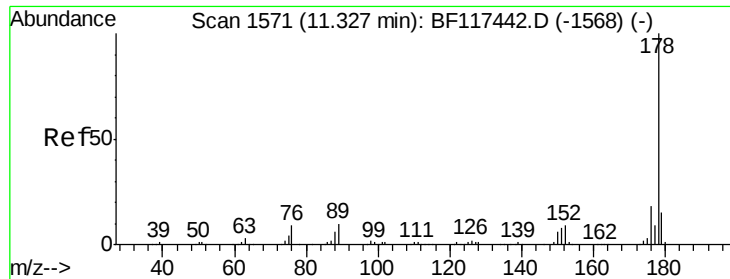
Lab File: BF117564.D

Acq: 28 Oct 2019 16:31

Tgt Ion:	178	Resp:	82183
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.6	22.0
179	15.3	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: 3.083 ng/mL

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF117564.D

Acq: 28 Oct 2019 16:31

Instrument :

BNA_F

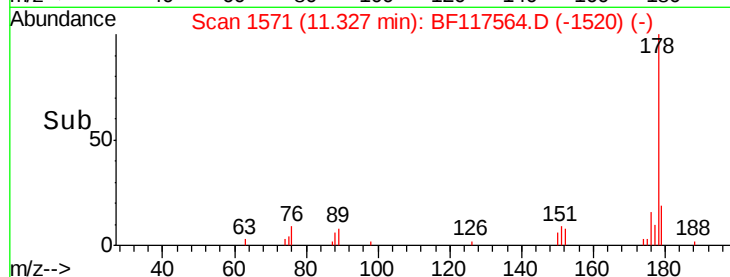
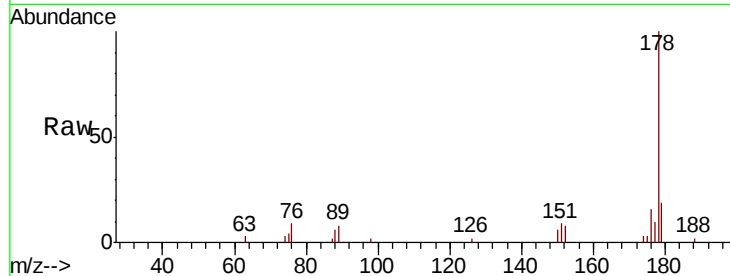
ClientSampleId :

187-30-(0-2)

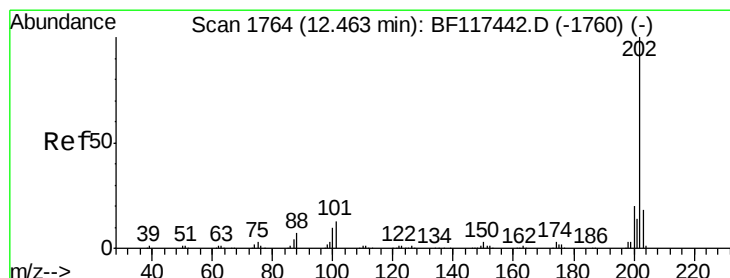
Tot Ion:	178	Resp:	20358
Ion Ratio	Lower	Upper	
178	100		
176	16.3	14.7	22.1
179	19.1	12.2	18.2

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10/30/2019 4:51:15 PM



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#75

Fluoranthene

Concen: 21.467 ng/mL

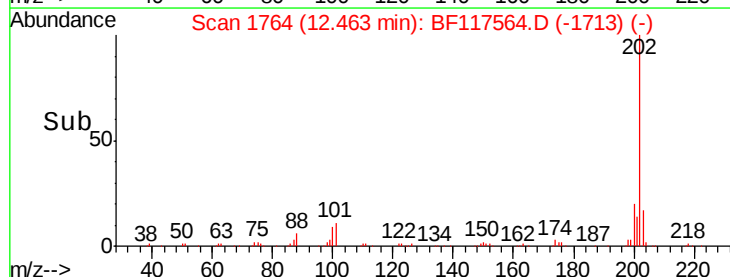
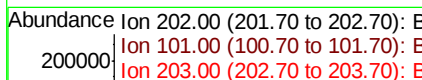
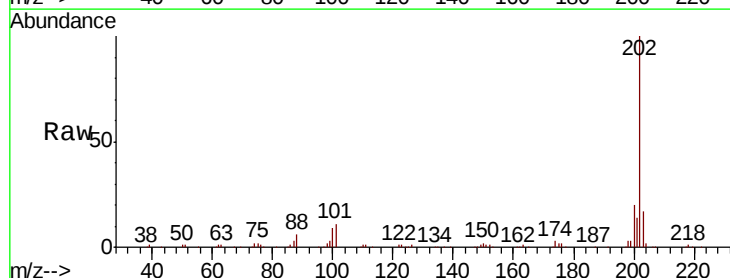
RT: 12.46 min Scan# 1764

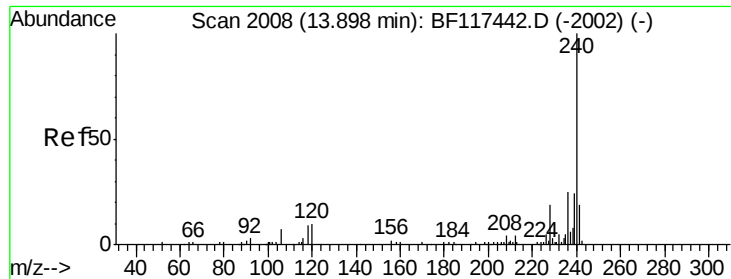
Delta R.T. -0.00 min

Lab File: BF117564.D

Acq: 28 Oct 2019 16:31

Tgt Ion:	202	Resp:	138296
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	32.7
203	16.8	0.0	37.6





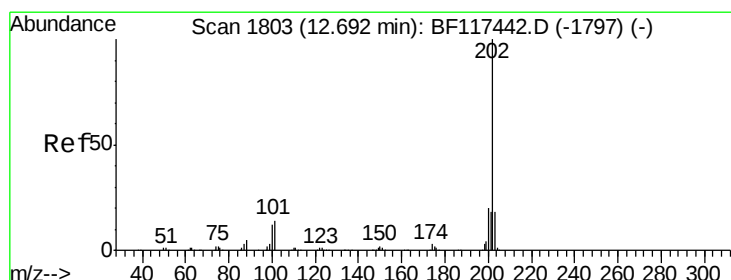
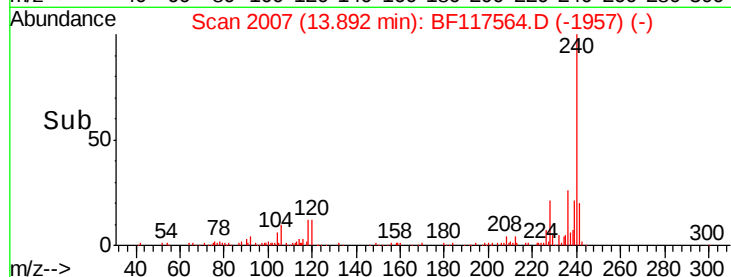
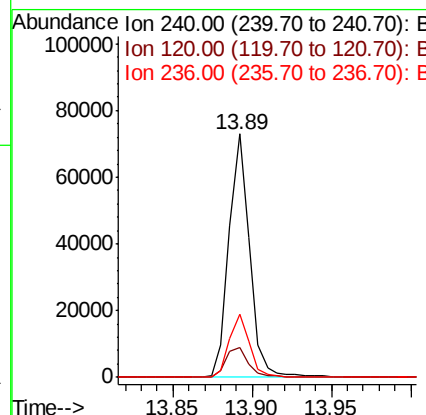
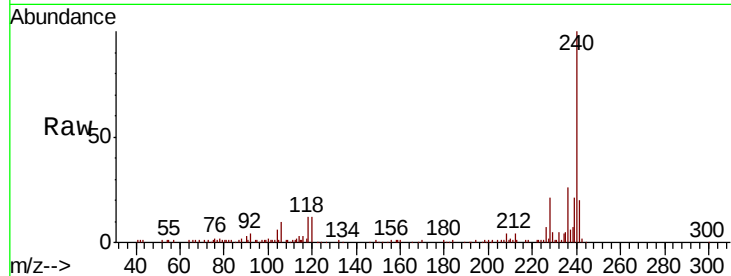
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF117564.D
 Acq: 28 Oct 2019 16:31

Instrument :
 BNA_F
 ClientSampleId :
 187-30-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	66155		
120	12.4		8.4	12.6
236	25.7		20.0	30.0

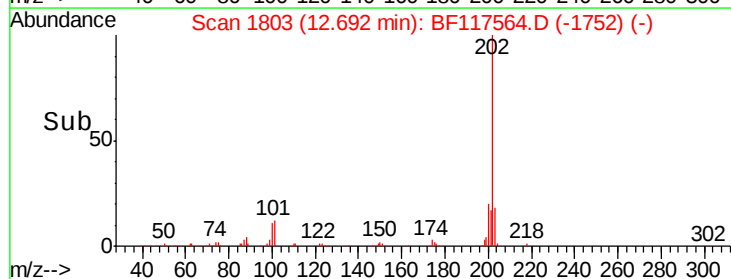
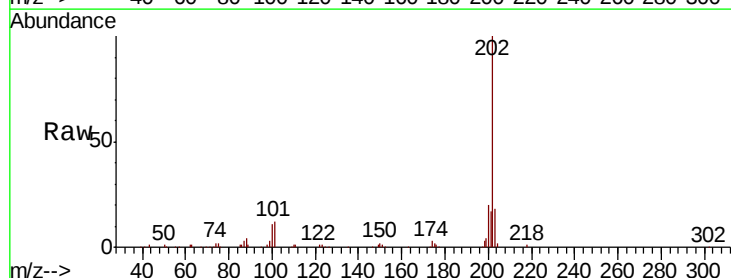
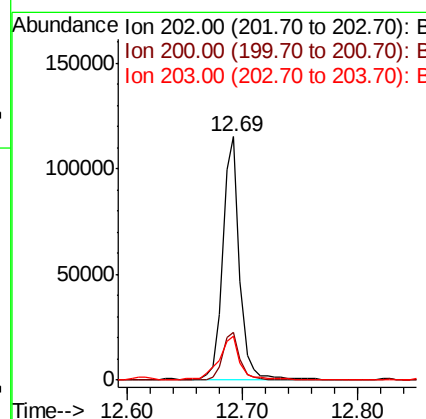
Manual Integrations
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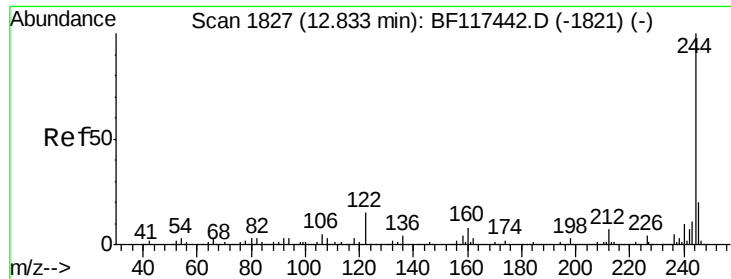
mohammad
 10/30/2019 4:51:15 PM



#78
 Pyrene
 Concen: 20.560 ng
 RT: 12.69 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: BF117564.D
 Acq: 28 Oct 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	116828		
200	19.6		16.2	24.2
203	18.1		14.0	21.0





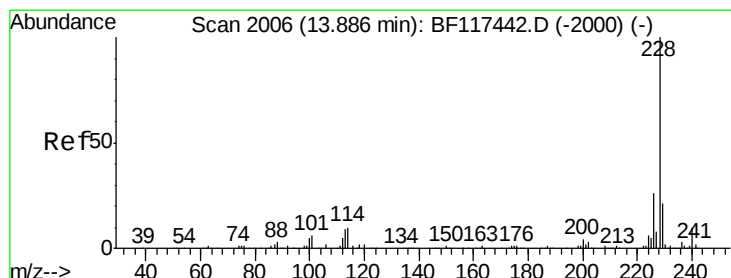
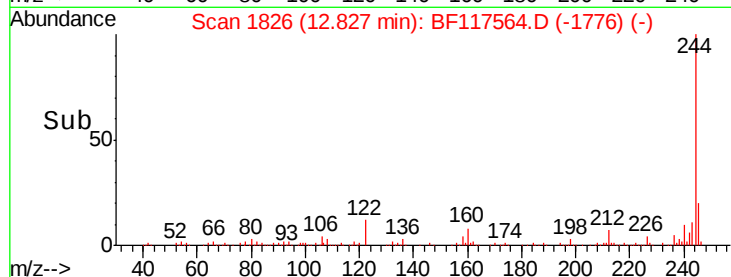
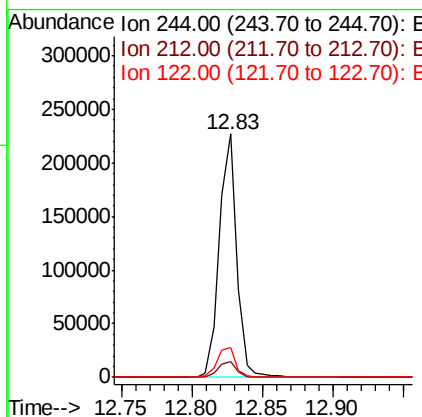
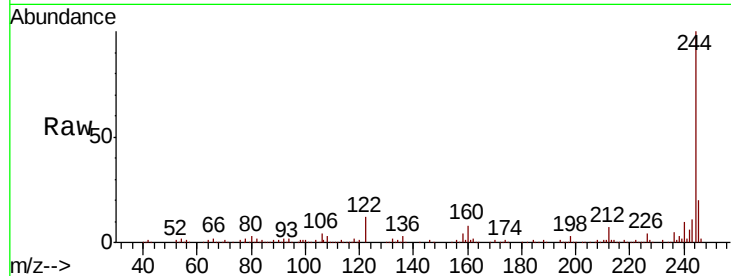
#79
 Terphenyl-d14
 Concen: 48.338 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117564.D
 Acq: 28 Oct 2019 16:31

Instrument :
 BNA_F
 ClientSampleId :
 187-30-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	12.3	11.8	17.8

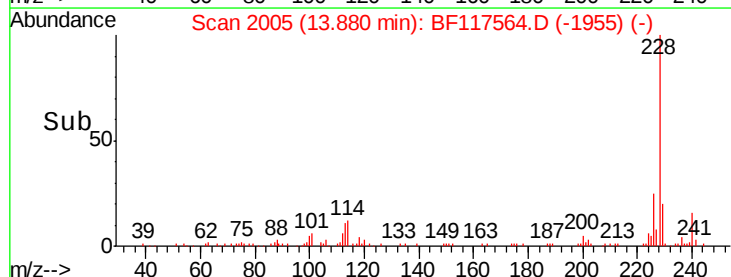
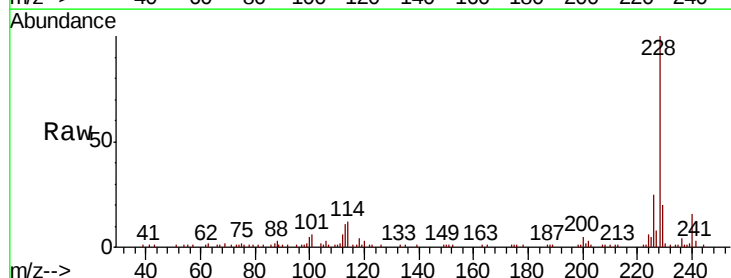
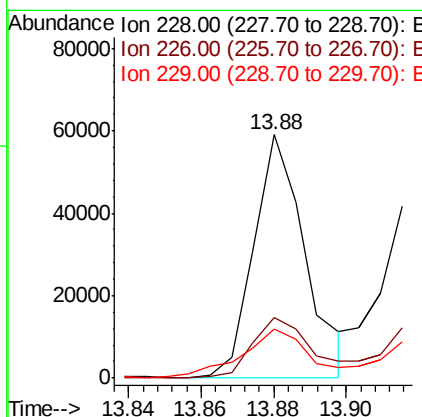
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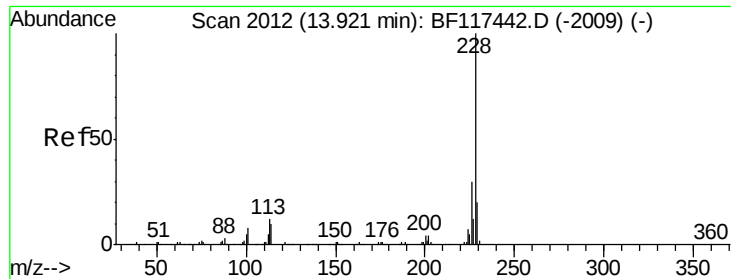
mohammad
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#81
 Benzo(a)anthracene
 Concen: 13.043 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117564.D
 Acq: 28 Oct 2019 16:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.0	21.0	31.4
229	20.4	16.4	24.6





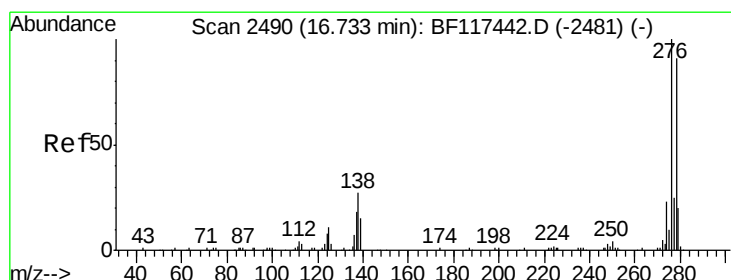
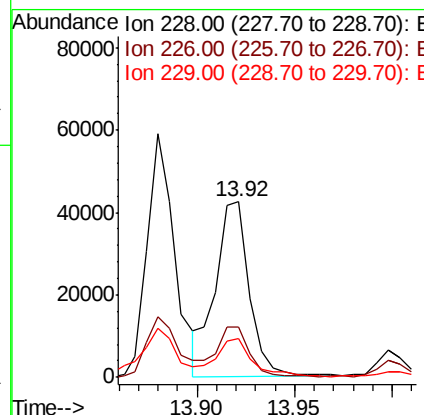
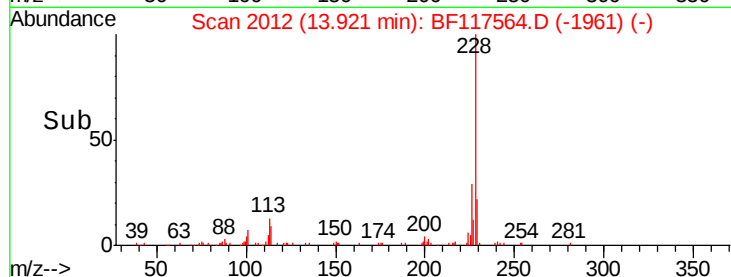
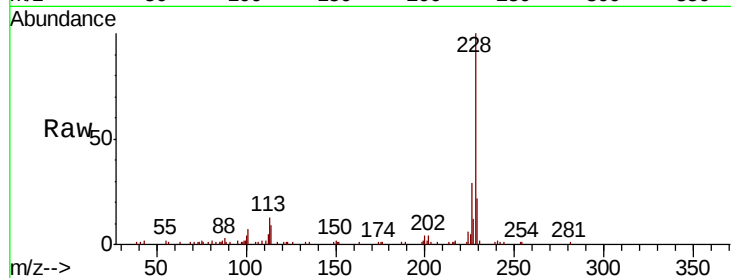
#83
Chrysene
Concen: 11.772 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117564.D
Acq: 28 Oct 2019 16:31

Instrument :
BNA_F
ClientSampleId :
187-30-(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.9	35.9
229	22.1	15.8	23.6

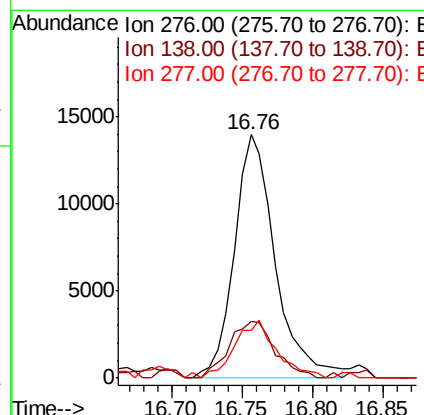
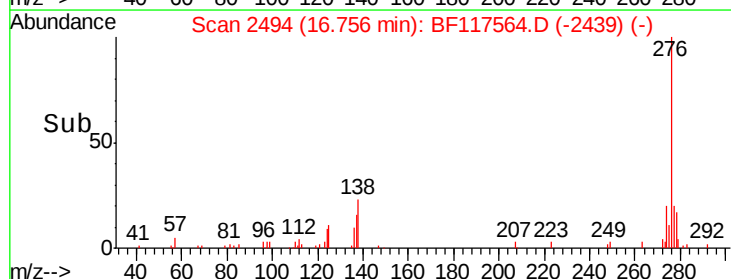
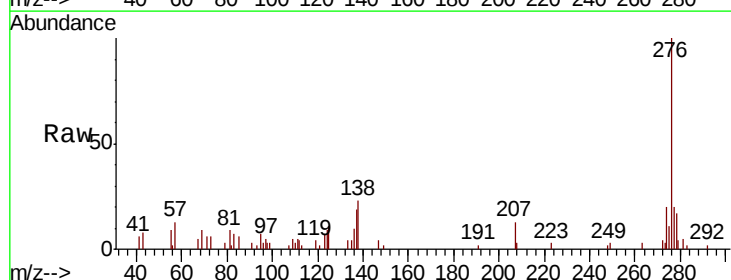
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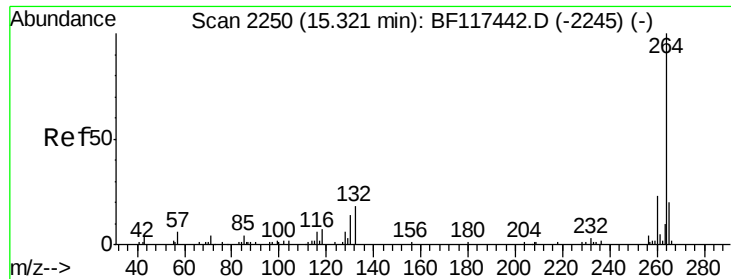
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#86
Indeno(1,2,3-cd)pyrene
Concen: 8.673 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117564.D
Acq: 28 Oct 2019 16:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.8	21.8	32.8
277	23.9	20.0	30.0





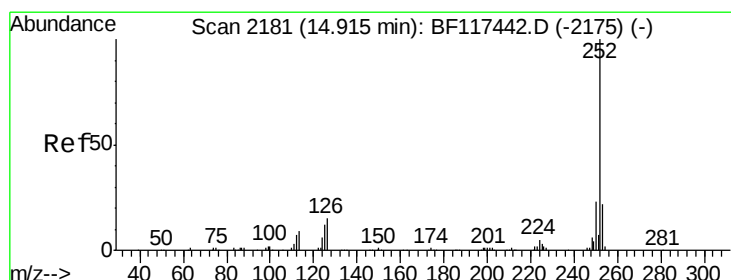
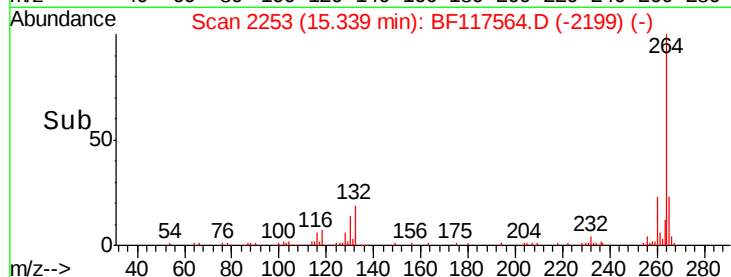
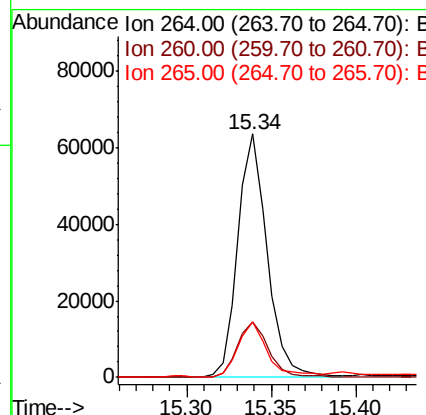
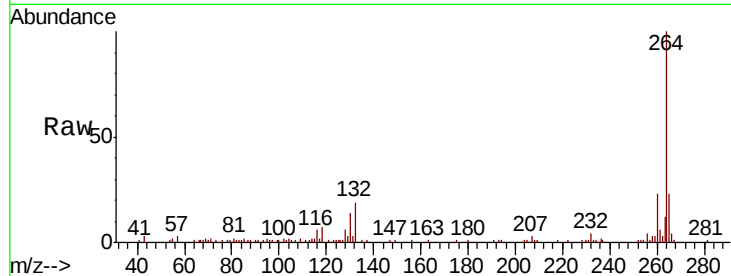
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2253
 Delta R.T. 0.02 min
 Lab File: BF117564.D
 Acq: 28 Oct 2019 16:31

Instrument :
 BNA_F
 ClientSampleId :
 187-30-(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.4	27.6
265	23.0	16.1	24.1

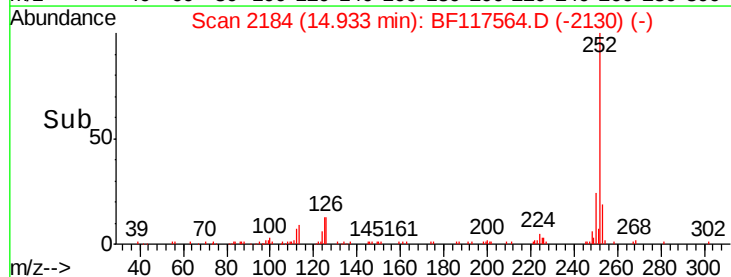
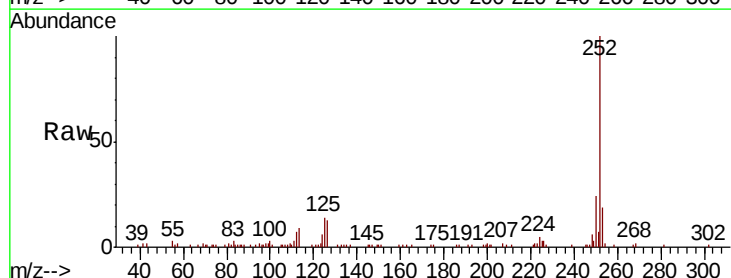
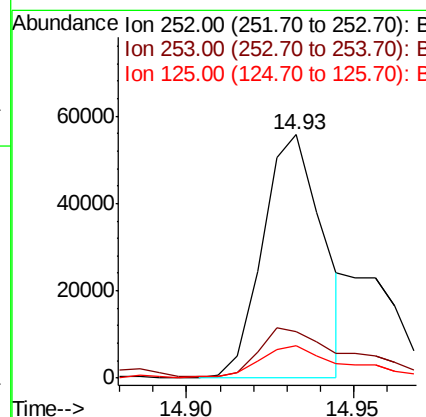
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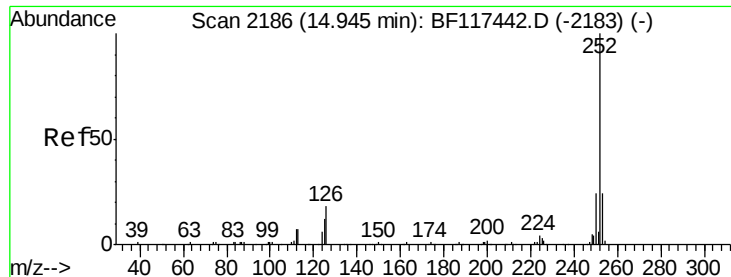
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#88
 Benzo(b)fluoranthene
 Concen: 15.340 ng m
 RT: 14.93 min Scan# 2184
 Delta R.T. 0.02 min
 Lab File: BF117564.D
 Acq: 28 Oct 2019 16:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.2	17.8	26.6
125	13.6	9.9	14.9





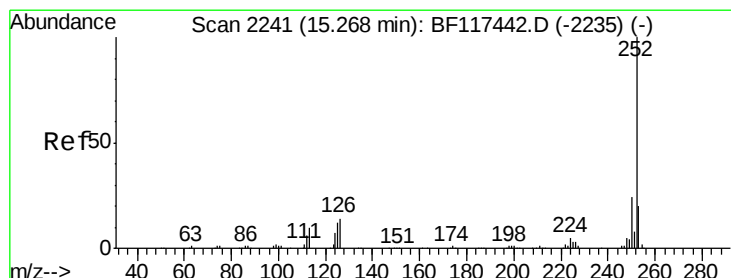
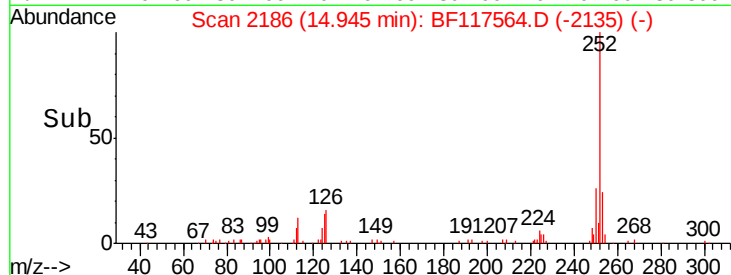
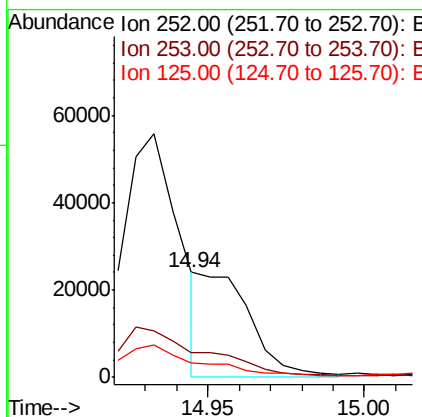
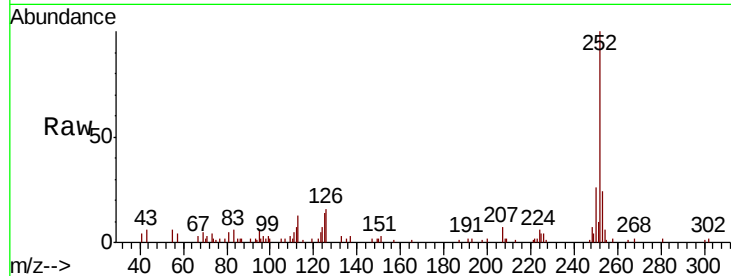
#89
Benzo(k)fluoranthene
Concen: 5.652 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117564.D
Acq: 28 Oct 2019 16:31

Instrument :
BNA_F
ClientSampleId :
187-30-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	14.2	8.9	13.3

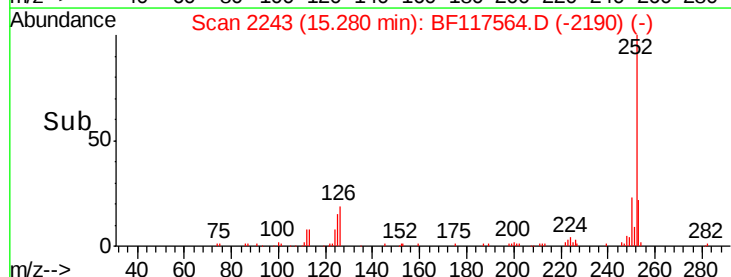
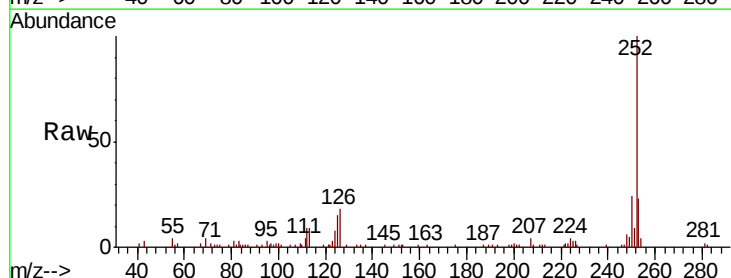
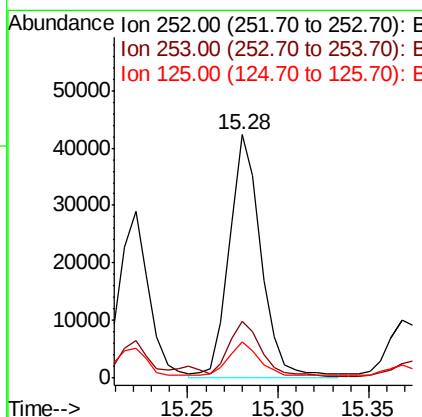
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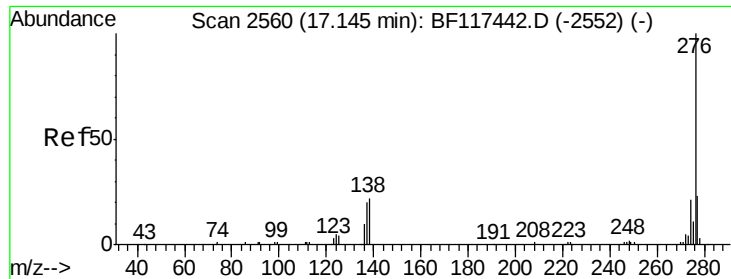
mohammad
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#90
Benzo(a)pyrene
Concen: 12.608 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117564.D
Acq: 28 Oct 2019 16:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.3	24.5
125	15.1	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 7.516 ng
 RT: 17.19 min Scan# 2567
 Delta R.T. 0.04 min
 Lab File: BF117564.D
 Acq: 28 Oct 2019 16:31

Instrument :
 BNA_F
 ClientSampleId :
 187-30-(0-2)

Tot Ion:	276	Resp:	25472
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.4	27.6
138	21.3	17.8	26.6

Manual Integrations
 APPROVED

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