

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
 Data File : BF117505.D
 Acq On : 24 Oct 2019 1:10
 Operator : JU
 Sample : K5497-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 168-74-(0-1)

Manual Integrations
 APPROVED

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 10/24/2019 2:11:11 PM

Quant Time: Oct 24 09:16:58 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	46874	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	189733	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	96445	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	147147	20.00	ng	0.00
76) Chrysene-d12	13.90	240	89637	20.00	ng	0.00
87) Perylene-d12	15.33	264	100323	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	267579	84.93	ng	0.00
7) Phenol-d6	6.38	99	363814	85.97	ng	0.00
23) Nitrobenzene-d5	7.30	82	221060	57.52	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	65497	78.49	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	322533	47.12	ng	0.00
79) Terphenyl-d14	12.83	244	224765	40.90	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.39	94	10099	2.338	ng	84
49) Acenaphthylene	9.63	152	39479	4.465	ng	98
50) Dimethylphthalate	9.48	163	41405	6.022	ng	99
52) Acenaphthene	9.79	154	11342	2.091	ng	99
58) Fluorene	10.31	166	22386	3.444	ng	100
71) Phenanthrene	11.27	178	456780	53.460	ng	99
72) Anthracene	11.33	178	153458	17.504	ng	99
75) Fluoranthene	12.47	202	941946	110.124	ng	99
78) Pyrene	12.70	202	809131	105.091	ng	99
81) Benzo(a)anthracene	13.89	228	421229	69.666	ng	99
83) Chrysene	13.92	228	336261	56.745	ng	98
86) Indeno(1,2,3-cd)pyrene	16.73	276	114124	25.795	ng	97
88) Benzo(b)fluoranthene	14.92	252	424959m	71.733	ng	
89) Benzo(k)fluoranthene	14.94	252	118160m	19.460	ng	
90) Benzo(a)pyrene	15.27	252	288016	53.472	ng	98
91) Dibenzo(a,h)anthracene	16.73	278	32065m	6.885	ng	
92) Benzo(a,h,i)perylene	17.16	276	89984	20.420	ng	97

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

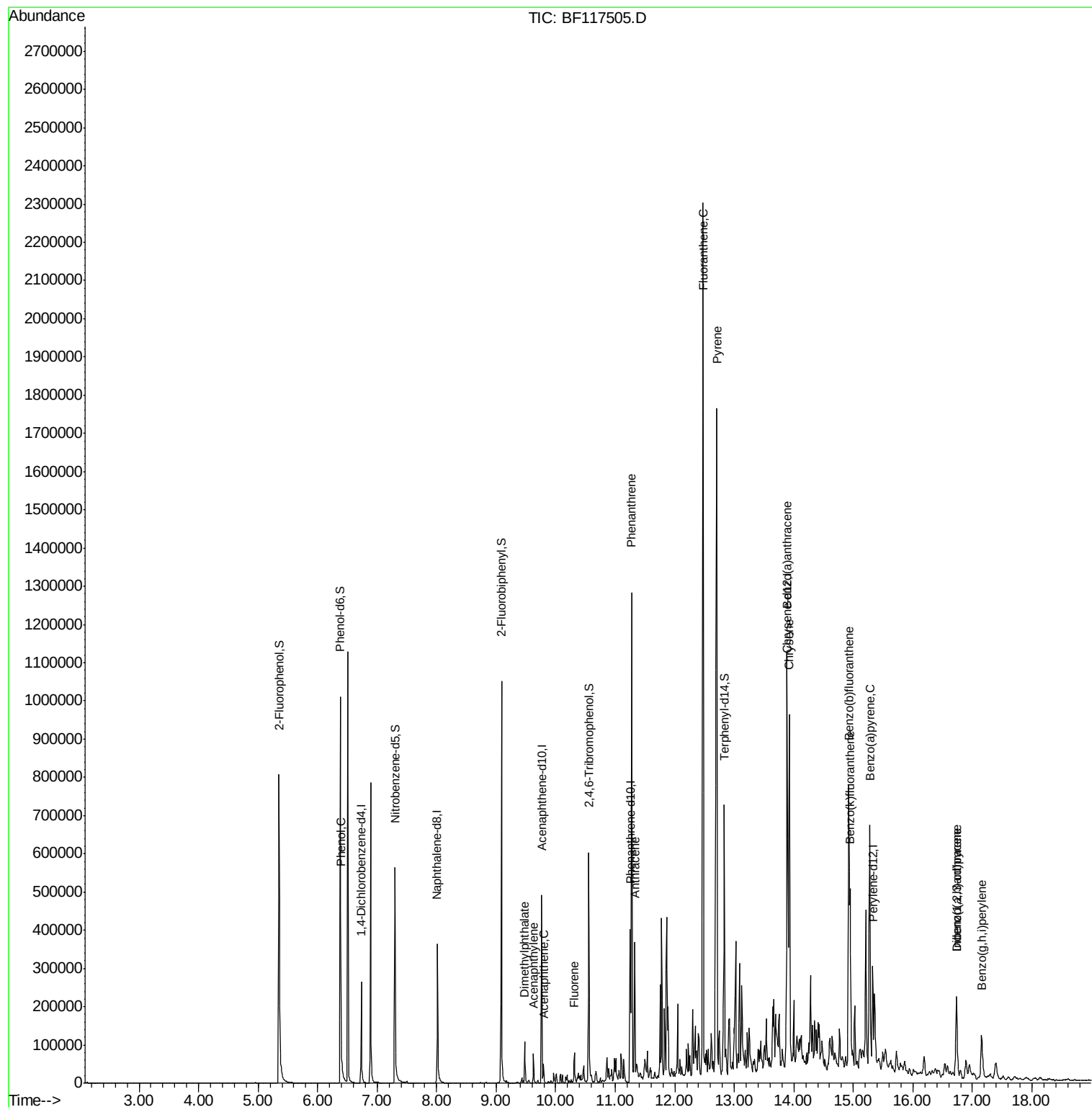
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
Data File : BF117505.D
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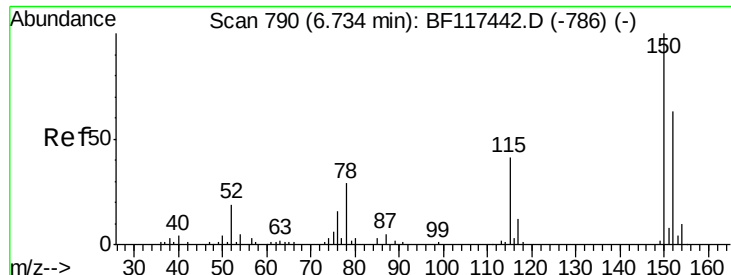
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
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#1

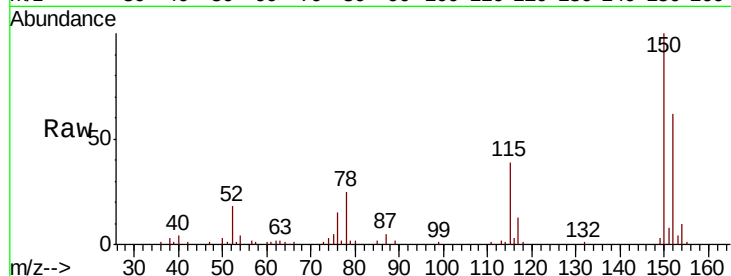
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Instrument :
BNA_F
ClientSampleId :
168-74-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	126.8	190.2
115	62.7	51.6	77.4

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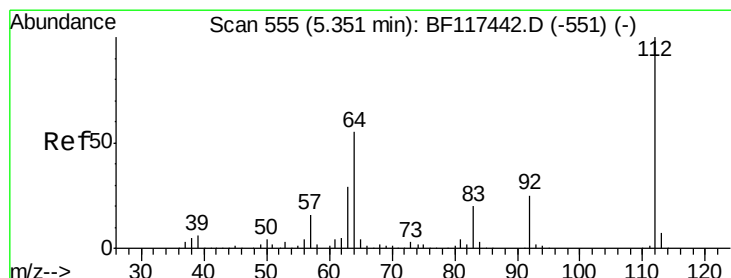
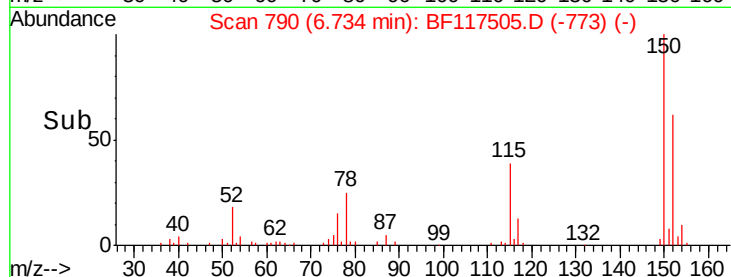
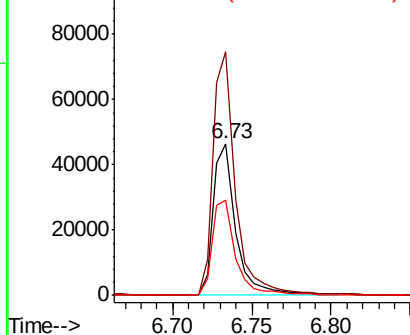


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

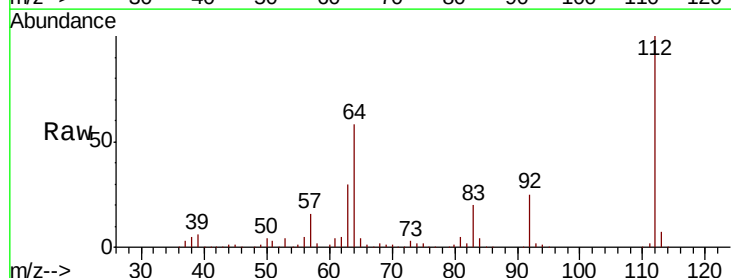
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.925 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	44.1	66.1
63	30.5	23.4	35.2

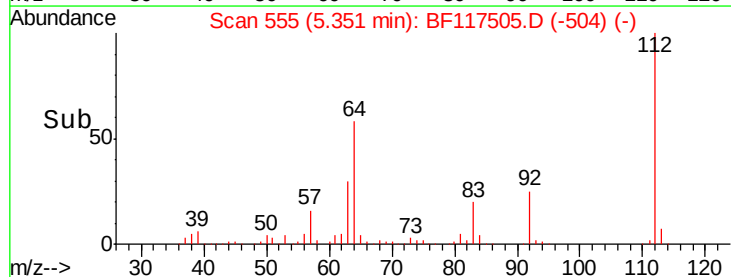
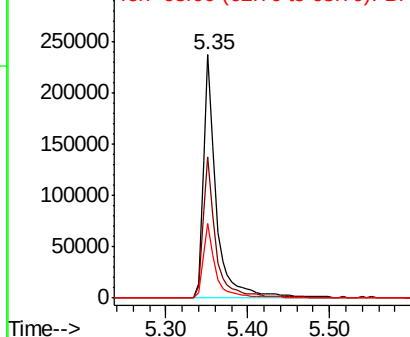


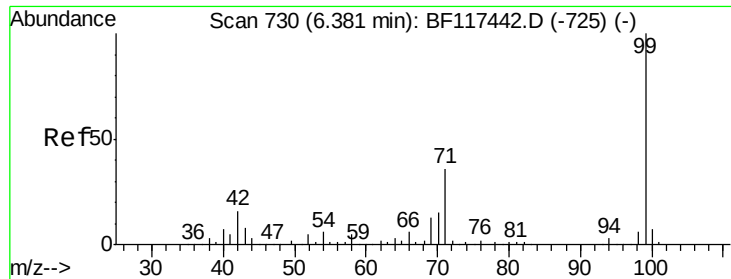
Abundance

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: 85.971 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF117505.D

Acq: 24 Oct 2019 1:10

Instrument :

BNA_F

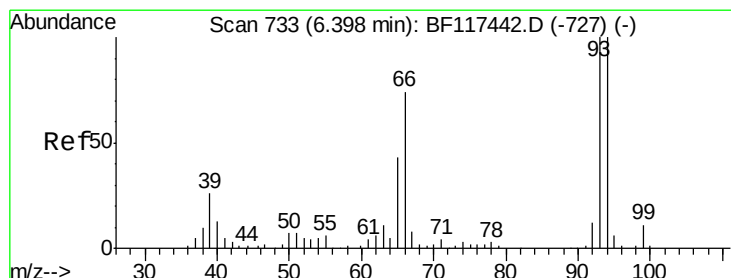
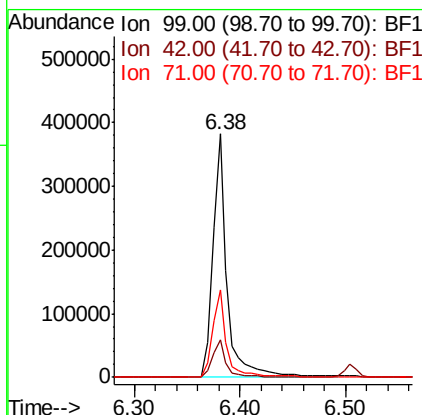
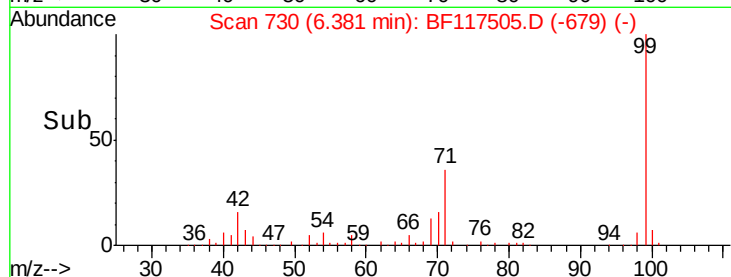
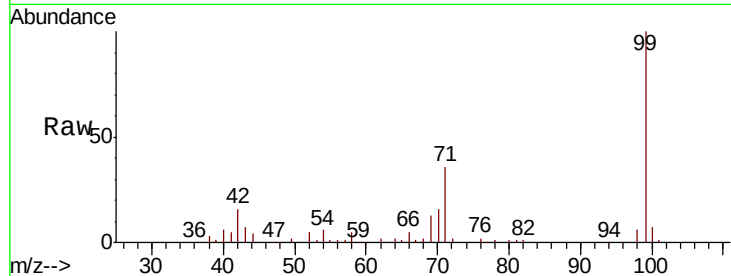
ClientSampleId :

168-74-(0-1)

Tot Ion:	99	Resp:	363814
Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.8	19.2
71	35.7	28.6	43.0

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#10

Phenol

Concen: 2.338 ng

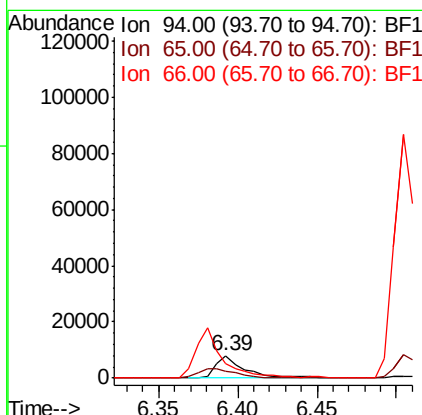
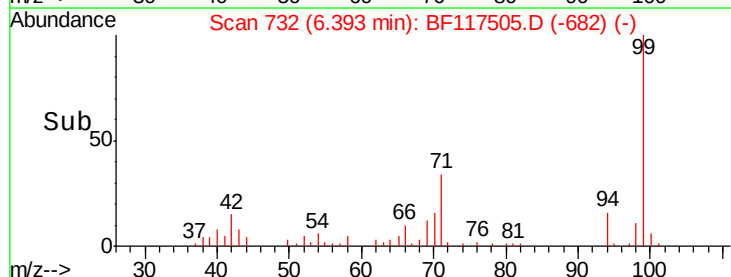
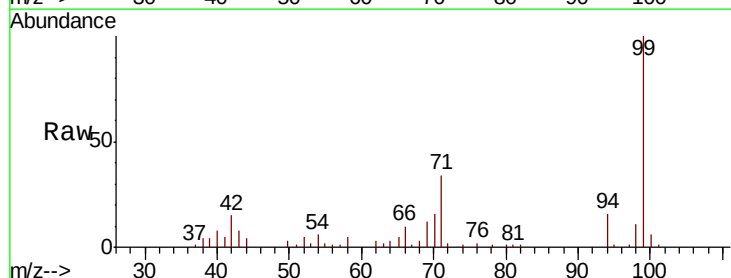
RT: 6.39 min Scan# 732

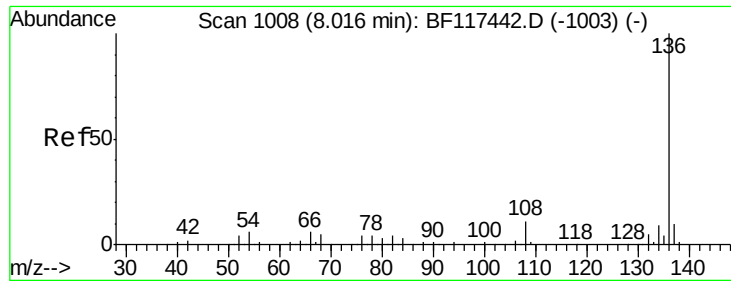
Delta R.T. -0.01 min

Lab File: BF117505.D

Acq: 24 Oct 2019 1:10

Tgt Ion:	94	Resp:	10099
Ion	Ratio	Lower	Upper
94	100		
65	31.1	23.4	63.4
66	63.3	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: BF117505.D

Acq: 24 Oct 2019 1:10

Instrument :

BNA_F

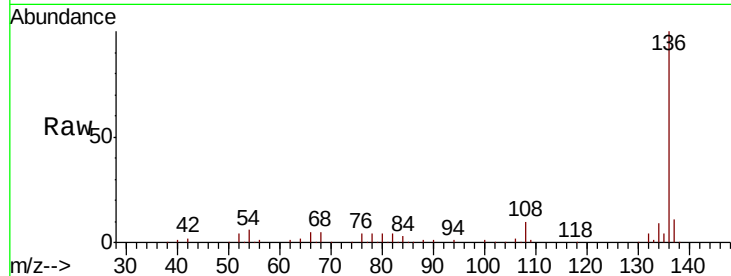
ClientSampleId :

168-74-(0-1)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		189733		
137	11.2	8.2	12.4		
54	5.9	4.5	6.7		
68	4.7	4.3	6.5		

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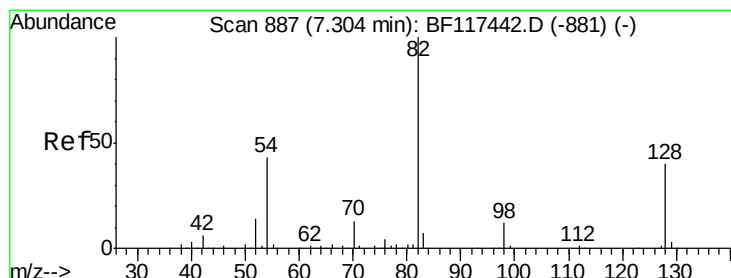
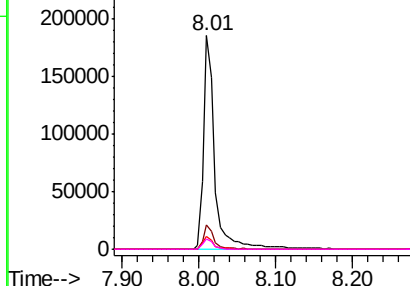
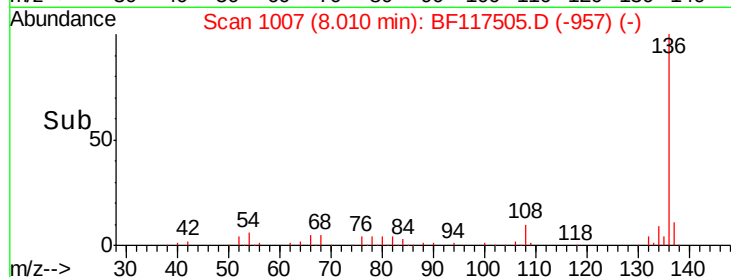


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.519 ng

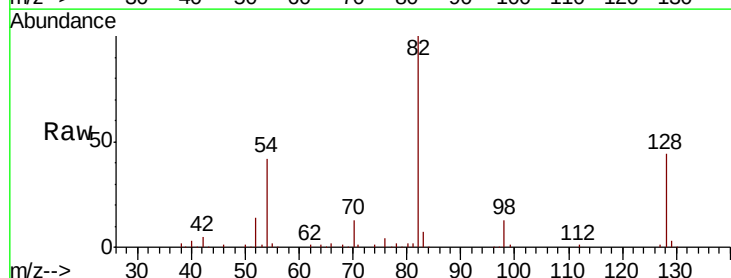
RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF117505.D

Acq: 24 Oct 2019 1:10

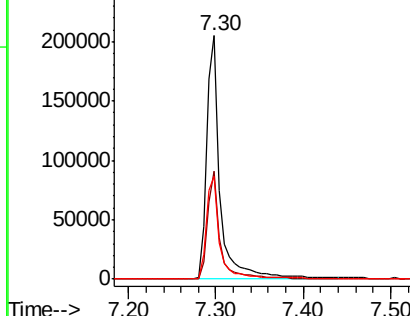
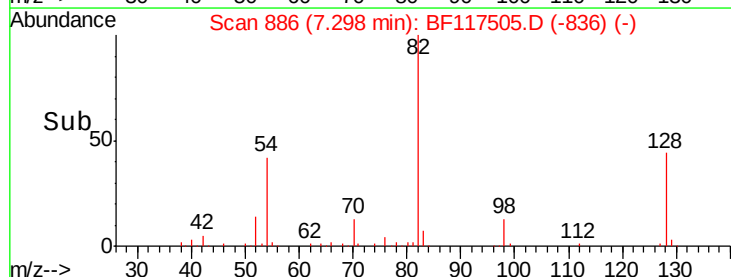
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		221060		
128	44.2	32.2	48.2		
54	42.3	34.2	51.2		

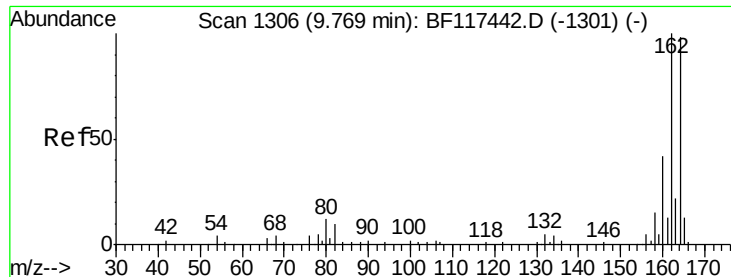


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





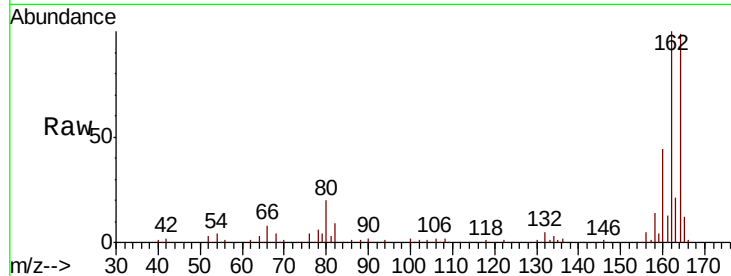
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Instrument :
BNA_F
ClientSampleId :
168-74-(0-1)

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.8	122.6
160	44.4	34.4	51.6

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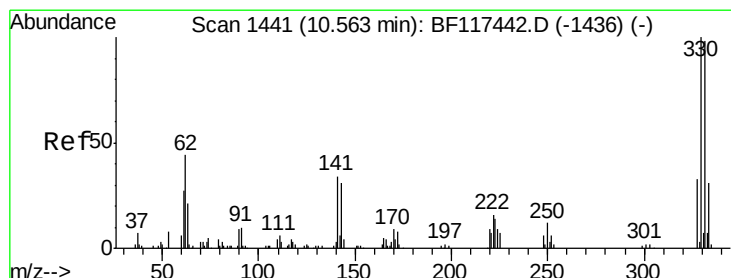
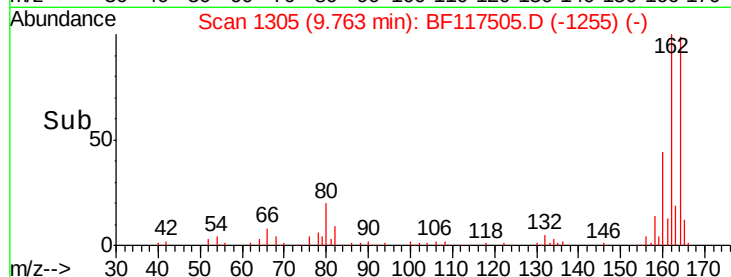
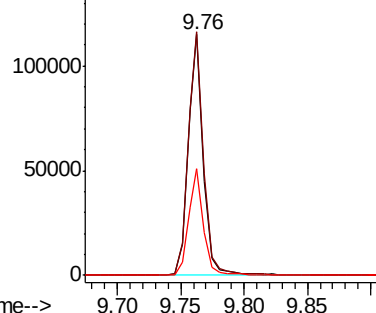


Abundance

Ion 164.00 (163.70 to 164.70): E

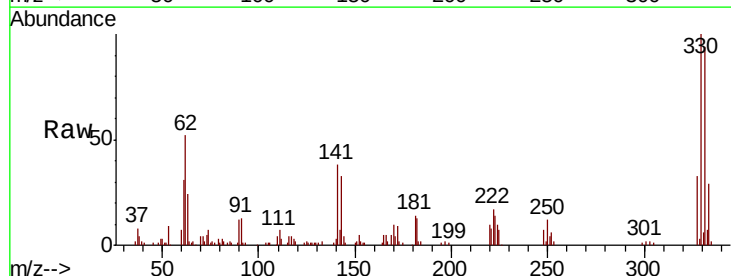
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 78.487 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.5	117.7
141	47.0	37.0	55.6

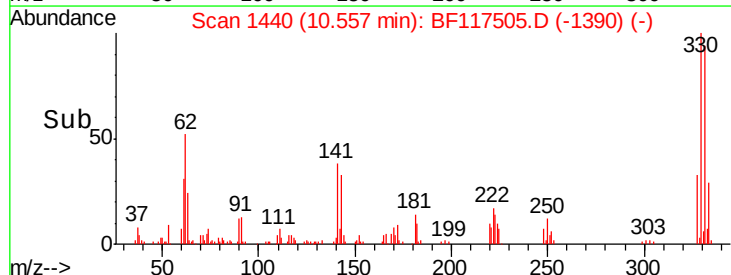
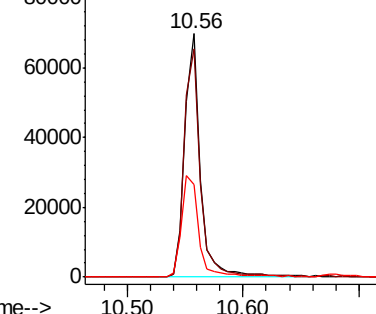


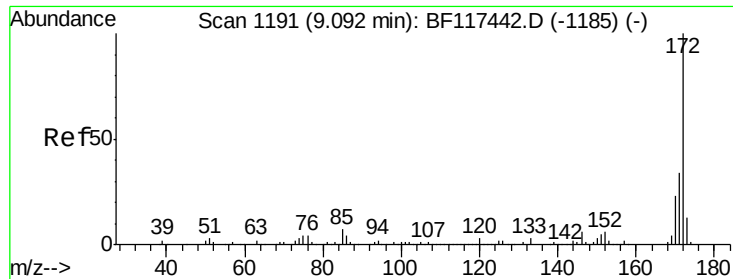
Abundance

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





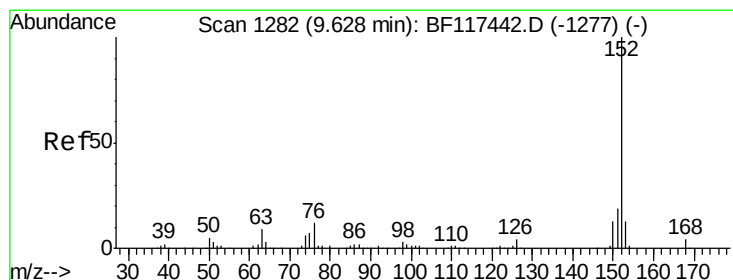
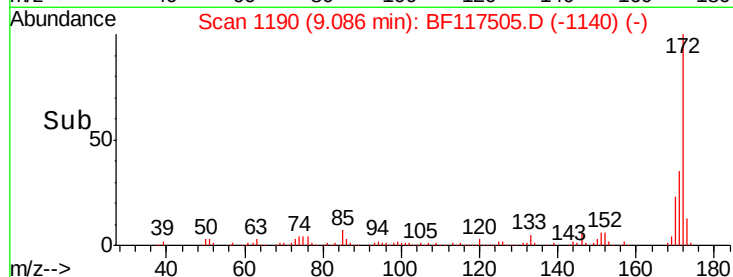
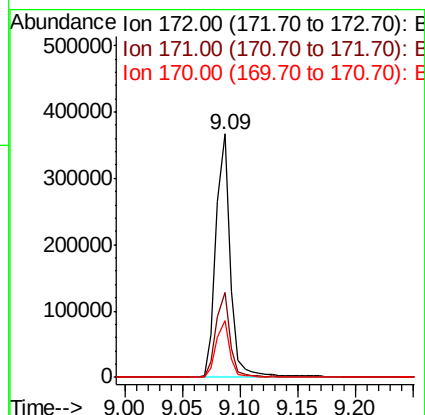
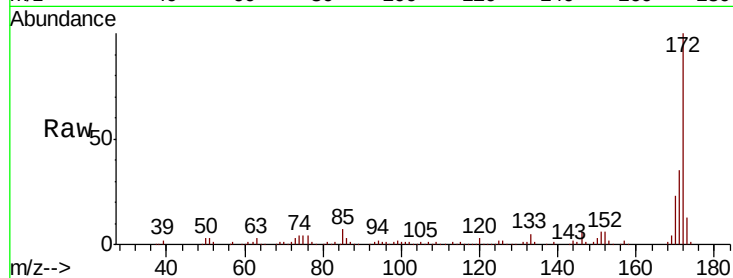
#45
2-Fluorobiphenyl
Concen: 47.120 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Instrument :
BNA_F
ClientSampleId :
168-74-(0-1)

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.0	27.5	41.3
170	23.3	18.6	27.8

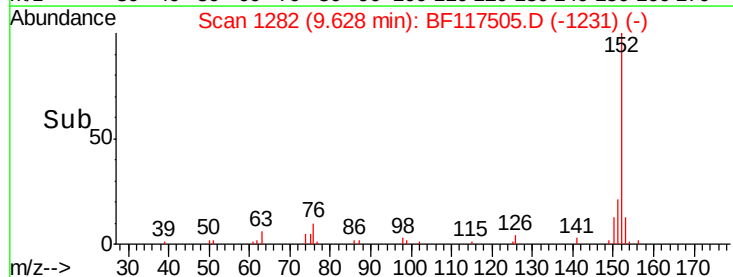
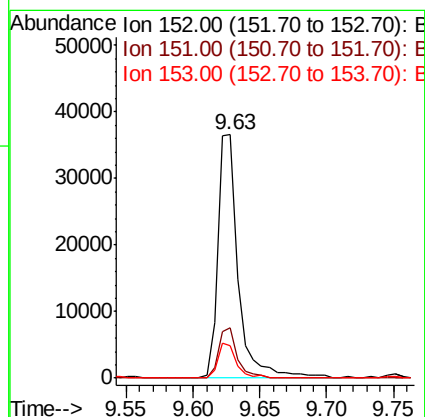
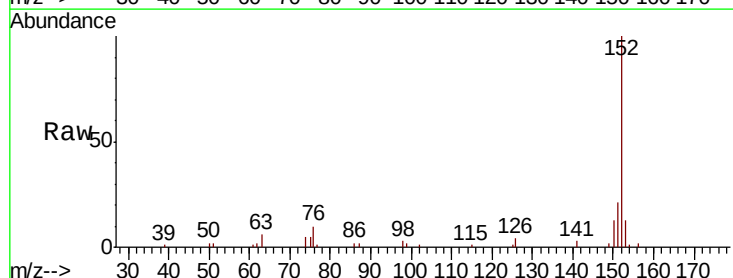
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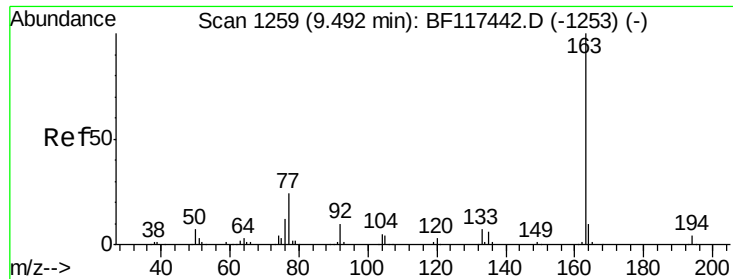
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#49
Acenaphthylene
Concen: 4.465 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	20.7	15.4	23.0
153	13.2	10.3	15.5





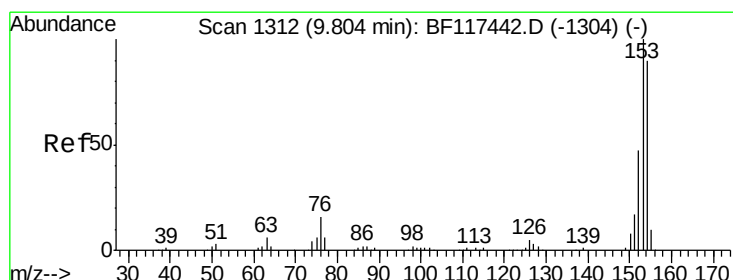
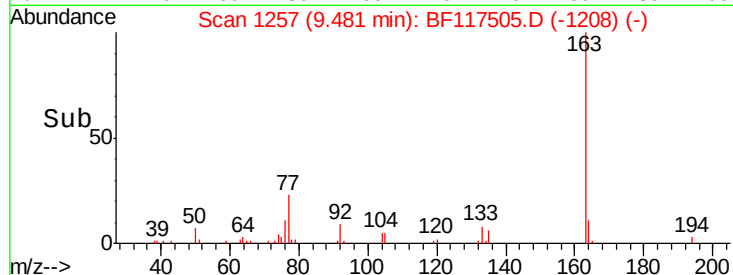
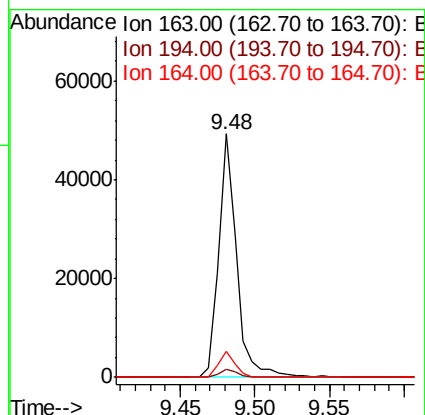
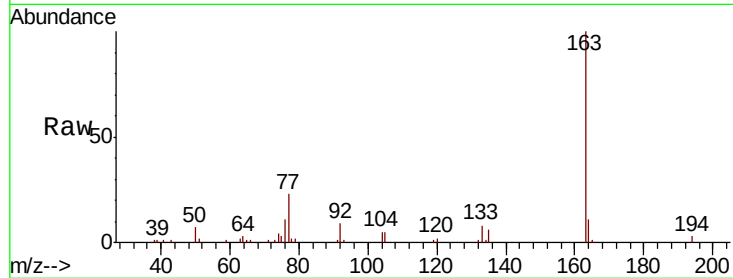
#50
Dimethylphthalate
Concen: 6.022 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Instrument :
BNA_F
ClientSampleId :
168-74-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	41405		
194	3.5		2.9	4.3
164	10.7		8.2	12.2

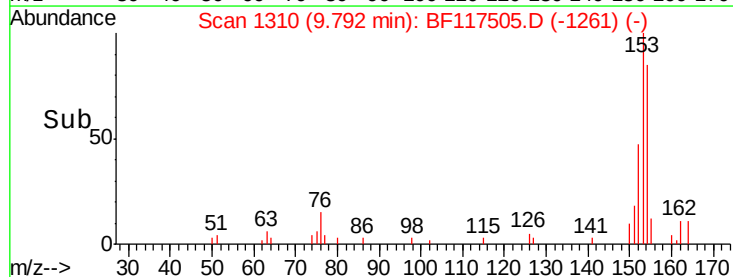
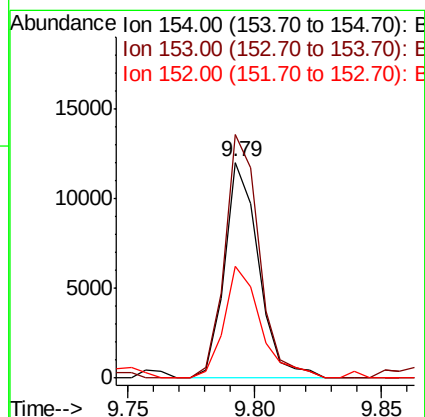
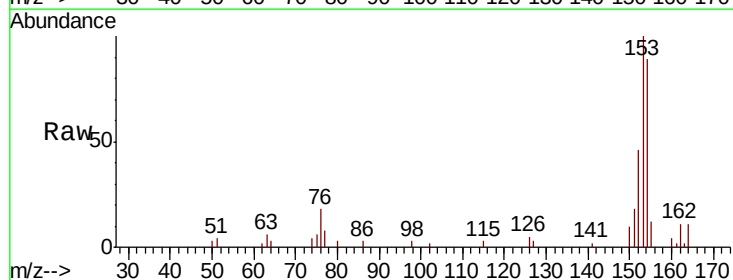
Manual Integrations
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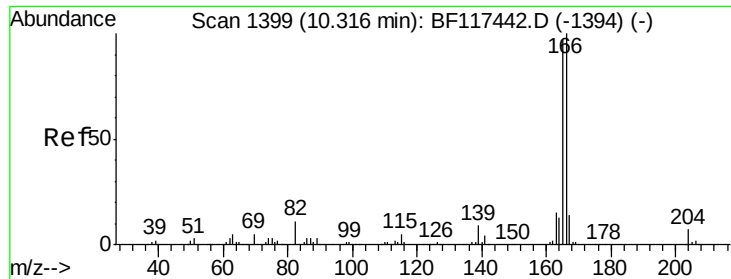
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#52
Acenaphthene
Concen: 2.091 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	11342		
153	113.0		89.2	133.8
152	52.1		41.8	62.6





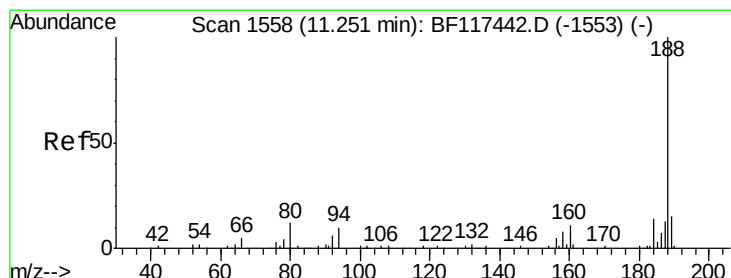
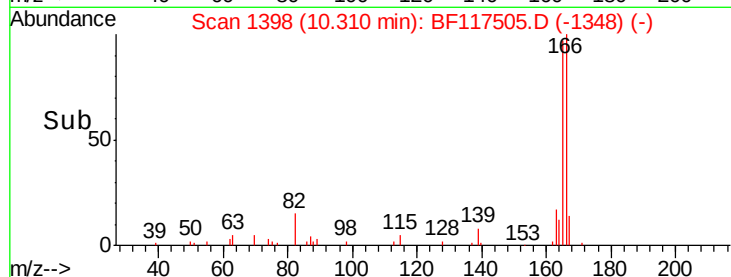
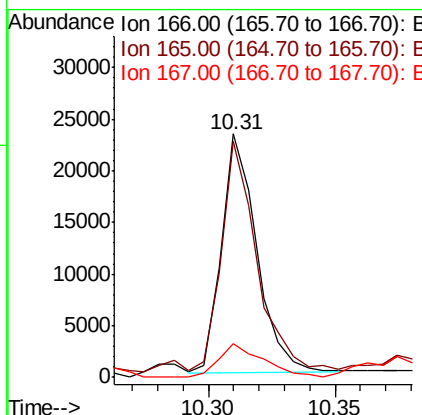
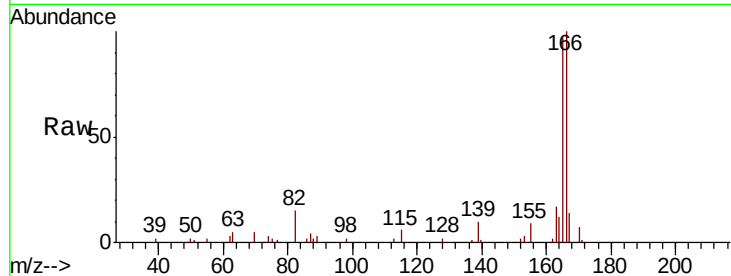
#58
 Fluorene
 Concen: 3.444 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF117505.D
 Acq: 24 Oct 2019 1:10

Instrument :
 BNA_F
 ClientSampleId :
 168-74-(0-1)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		22386		
165	96.9	77.6	116.4		
167	13.7	11.0	16.4		

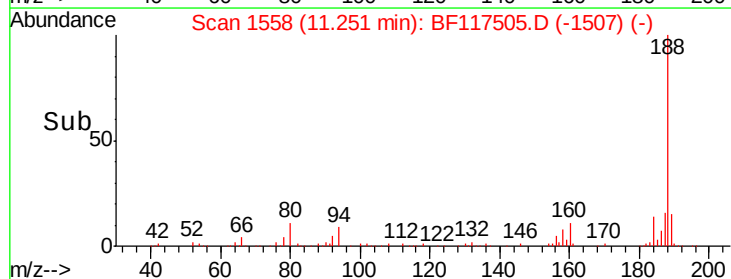
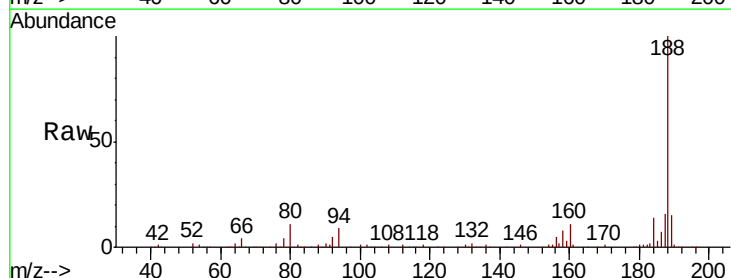
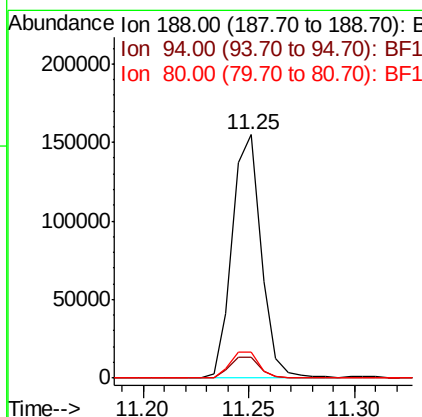
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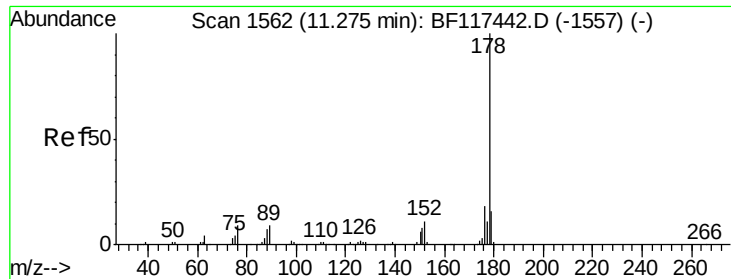
mohammad
 10/24/2019 2:11:11 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF117505.D
 Acq: 24 Oct 2019 1:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		147147		
94	8.7	8.0	12.0		
80	10.9	9.5	14.3		





#71

Phenanthrene

Concen: 53.460 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF117505.D

Acq: 24 Oct 2019 1:10

Instrument :

BNA_F

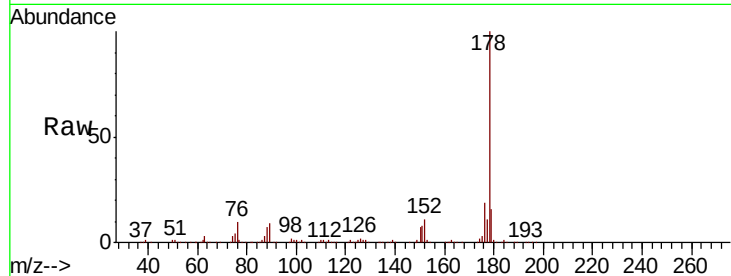
ClientSampleId :

168-74-(0-1)

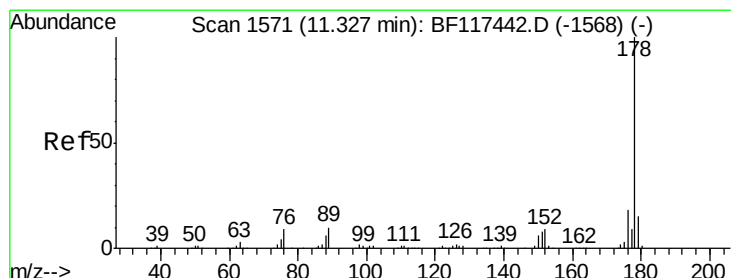
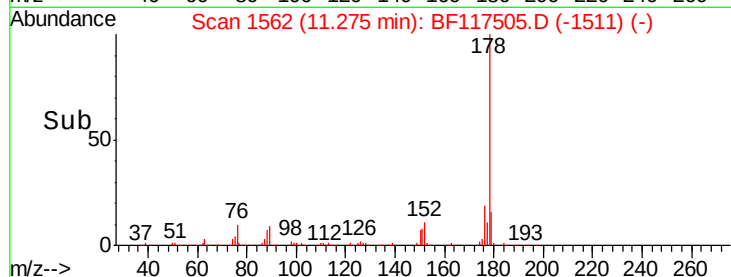
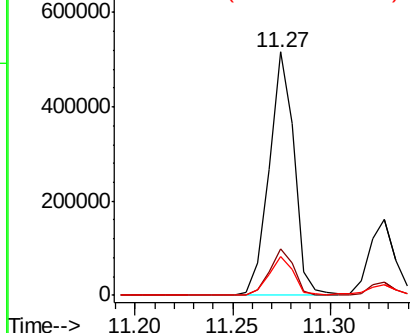
Tot Ion:	178	Resp:	456780
Ion Ratio	Lower	Upper	
178	100		
176	19.0	14.6	22.0
179	15.9	12.6	19.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 17.504 ng

RT: 11.33 min Scan# 1571

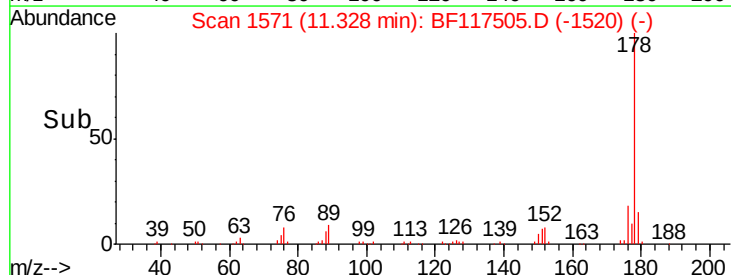
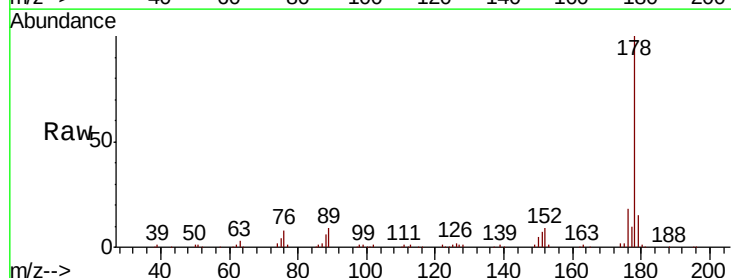
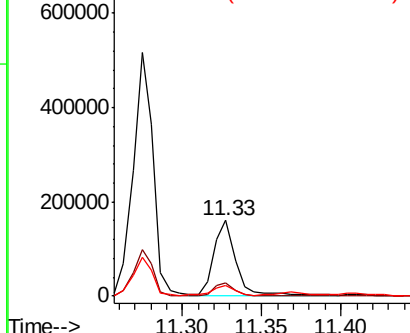
Delta R.T. 0.00 min

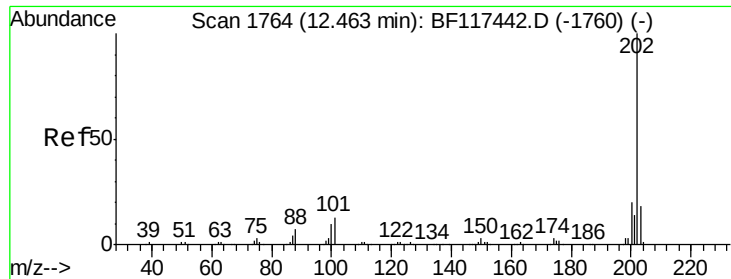
Lab File: BF117505.D

Acq: 24 Oct 2019 1:10

Tgt Ion:	178	Resp:	153458
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.7	22.1
179	14.7	12.2	18.2

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: 110.124 ng

RT: 12.47 min Scan# 1766

Delta R.T. 0.01 min

Lab File: BF117505.D

Acq: 24 Oct 2019 1:10

Instrument :

BNA_F

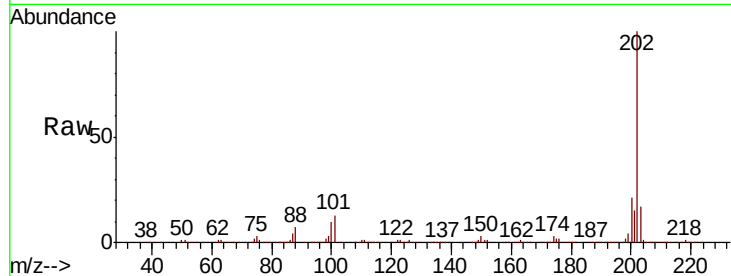
ClientSampleId :

168-74-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	941946		
101	13.3	0.0	32.7	
203	17.5	0.0	37.6	

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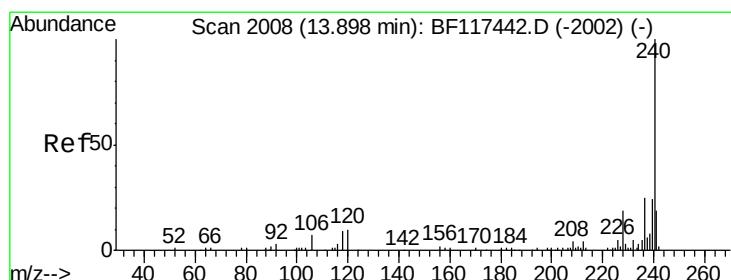
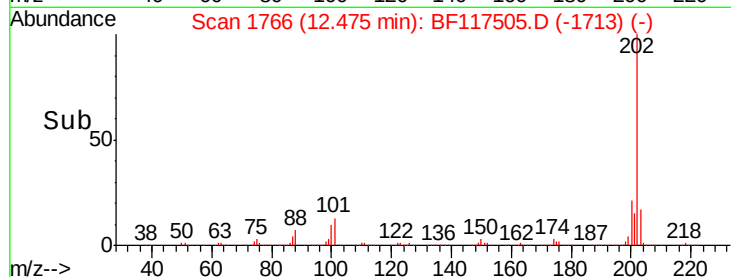
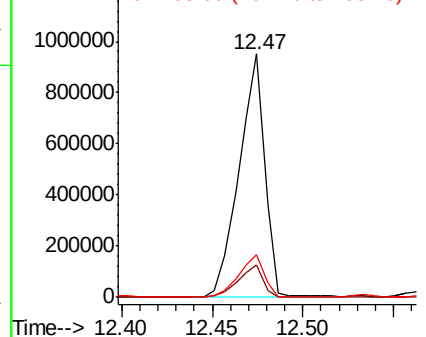


Abundance

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

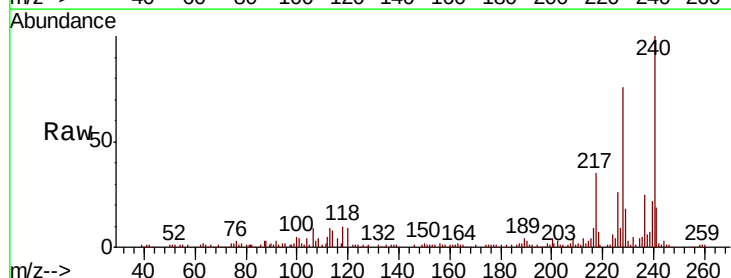
RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF117505.D

Acq: 24 Oct 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	89637		
120	9.2	8.4	12.6	
236	25.2	20.0	30.0	

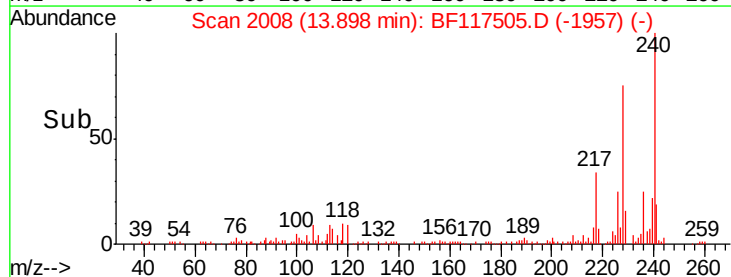
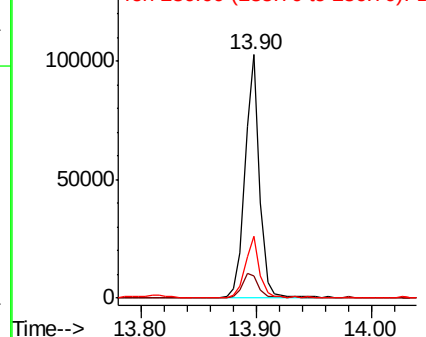


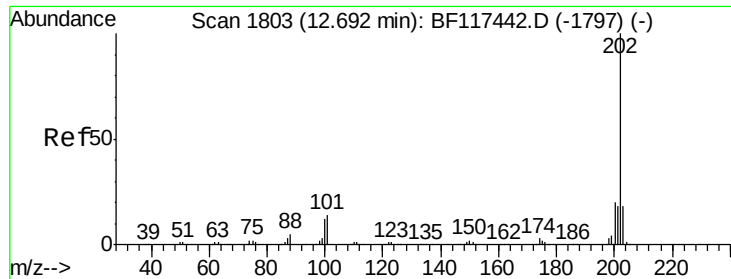
Abundance

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





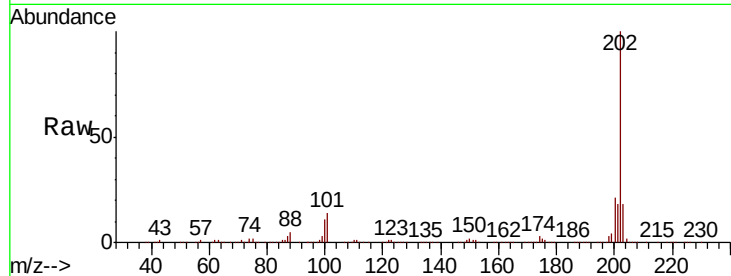
#78
Pvrene
Concen: 105.091 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.01 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Instrument :
BNA_F
ClientSampleId :
168-74-(0-1)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	16.2	24.2
203	17.8	14.0	21.0

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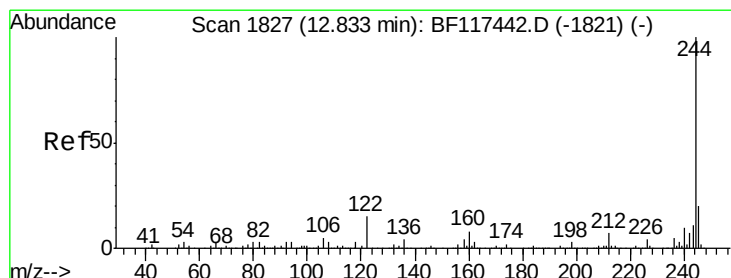
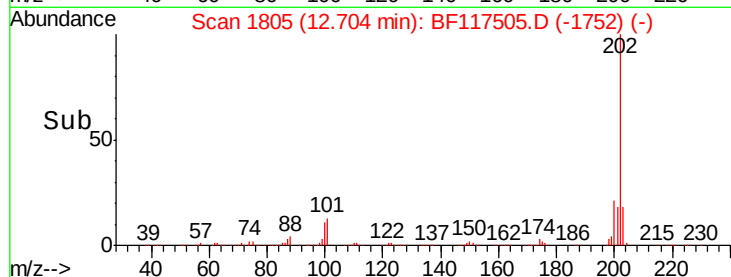
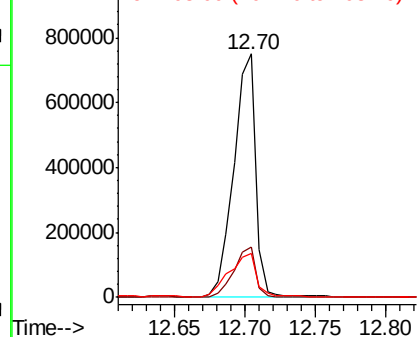


Abundance

Ion 202.00 (201.70 to 202.70): E

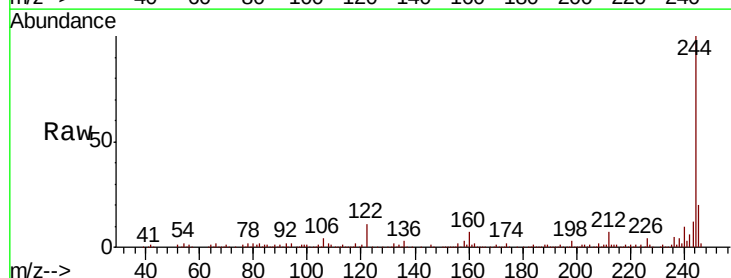
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 40.900 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.8	8.6
122	10.6	11.8	17.8#

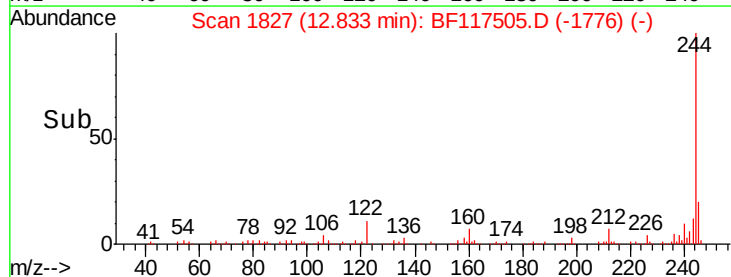
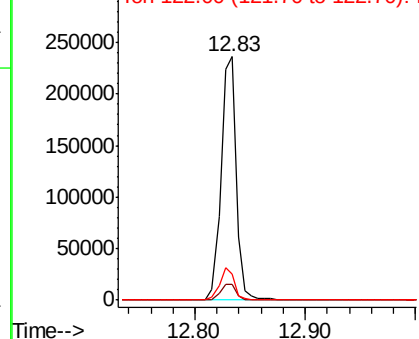


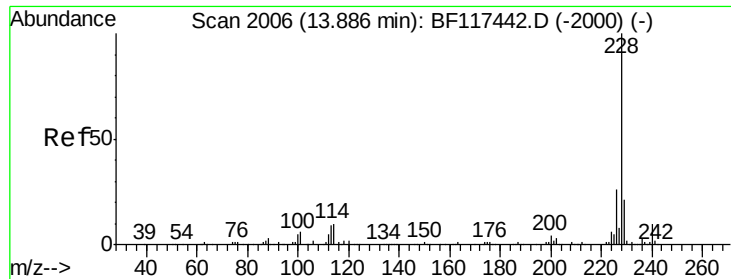
Abundance

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





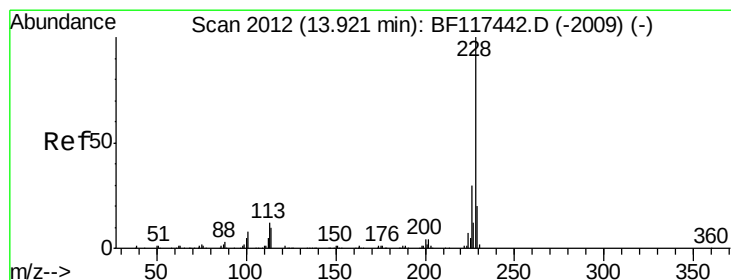
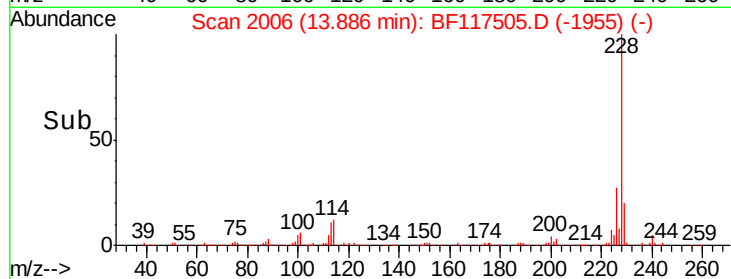
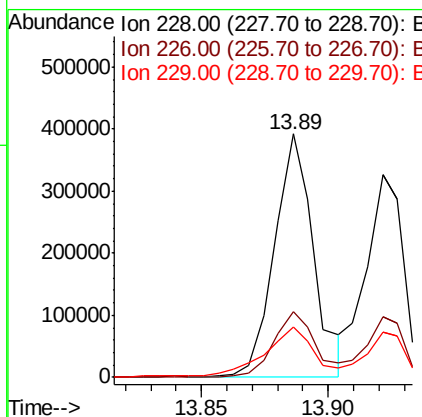
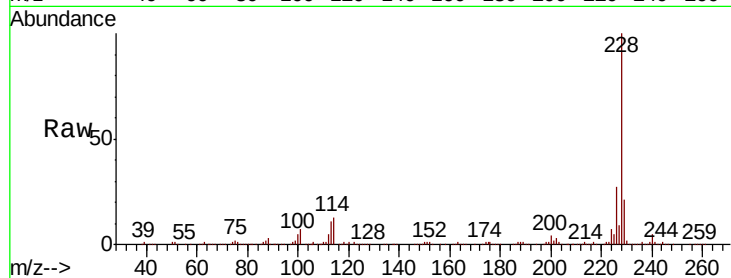
#81
Benzo(a)anthracene
Concen: 69.666 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Instrument :
BNA_F
ClientSampleId :
168-74-(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.0	31.4
229	20.7	16.4	24.6

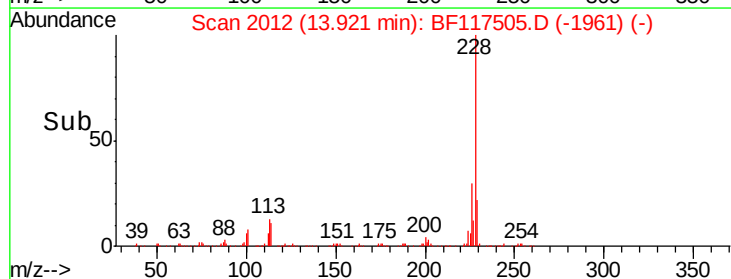
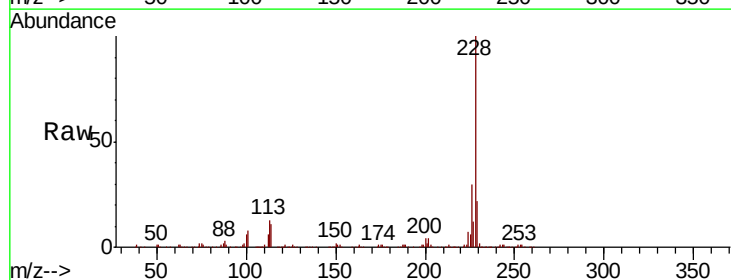
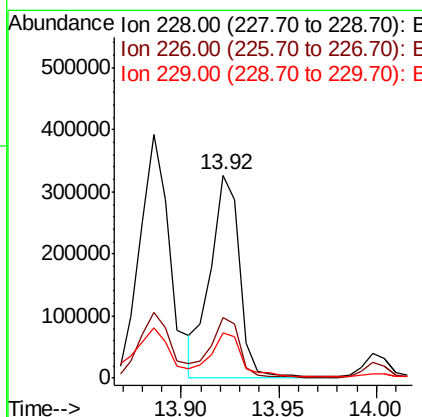
Manual Integrations
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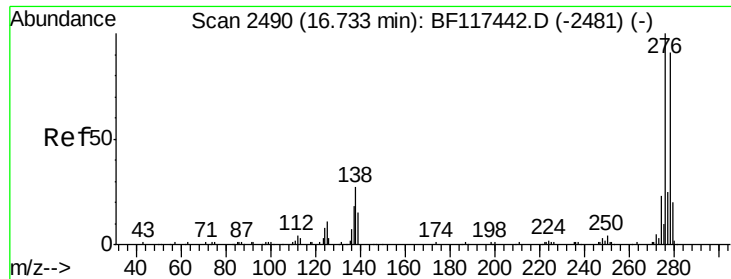
mohammad
10/24/2019 2:11:11 PM



#83
Chrysene
Concen: 56.745 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.9	35.9
229	22.3	15.8	23.6





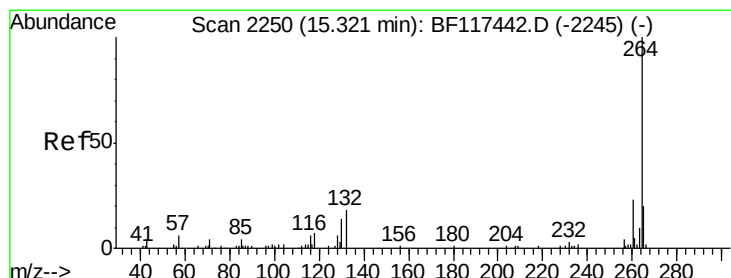
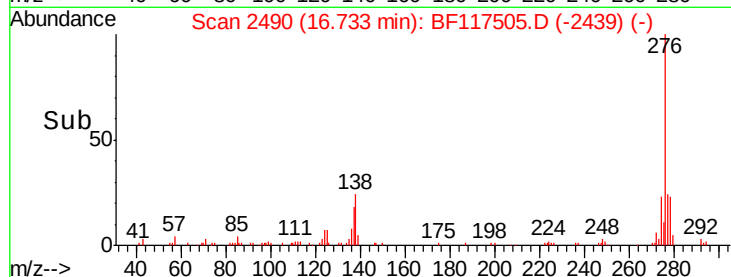
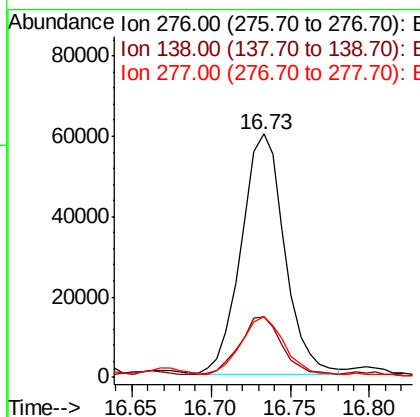
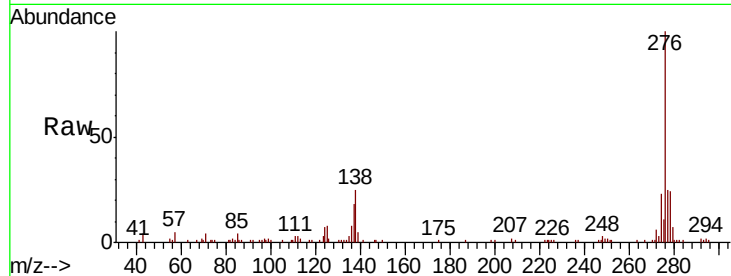
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 25.795 ng
 RT: 16.73 min Scan# 2490
 Delta R.T. 0.00 min
 Lab File: BF117505.D
 Acq: 24 Oct 2019 1:10

Instrument :
 BNA_F
 ClientSampleId :
 168-74-(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	21.8	32.8
277	24.4	20.0	30.0

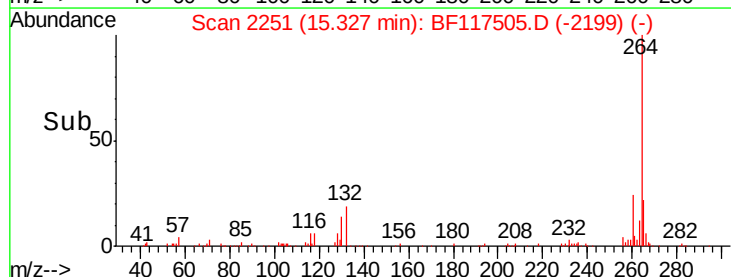
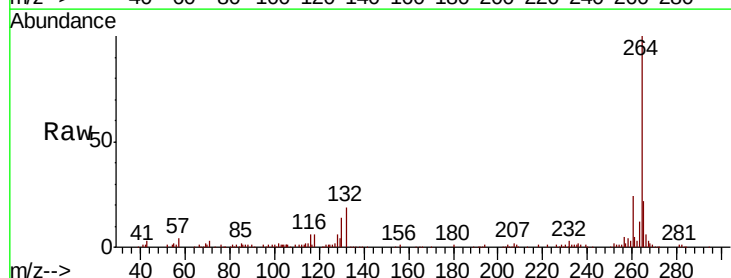
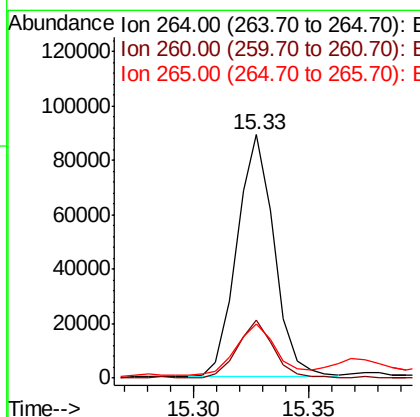
Manual Integrations
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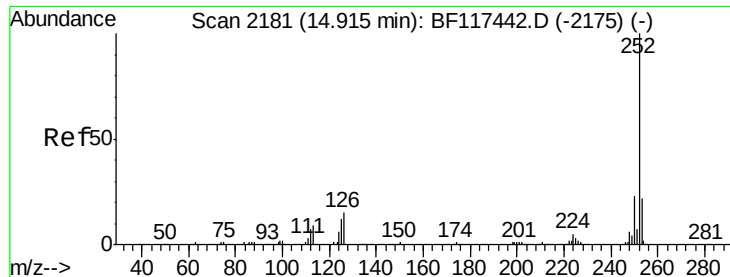
mohammad
 10/24/2019 2:11:11 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF117505.D
 Acq: 24 Oct 2019 1:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.4	27.6
265	22.5	16.1	24.1





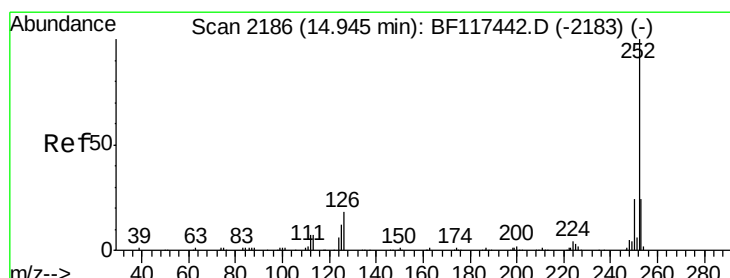
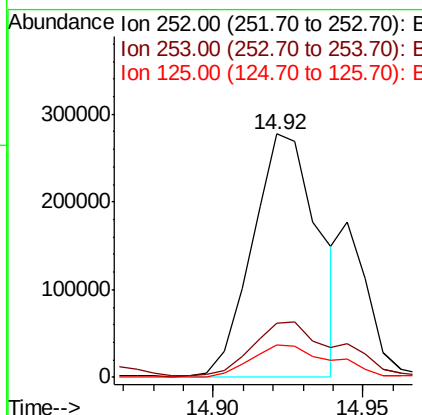
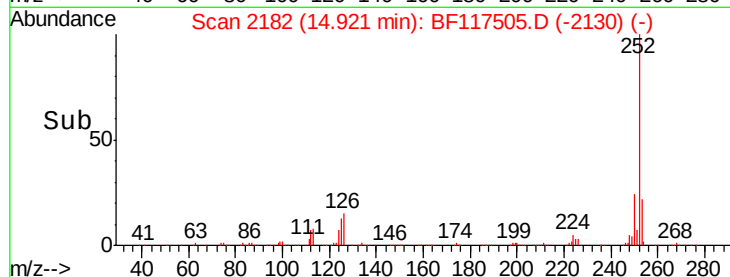
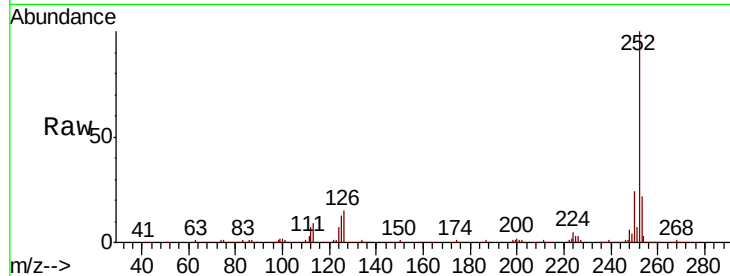
#88
Benzo(b)fluoranthene
Concen: 71.733 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Instrument :
BNA_F
ClientSampleId :
168-74-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	13.1	9.9	14.9

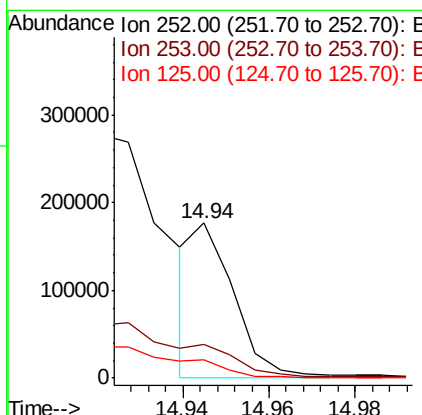
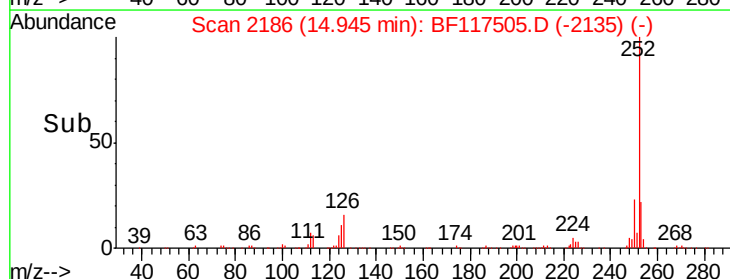
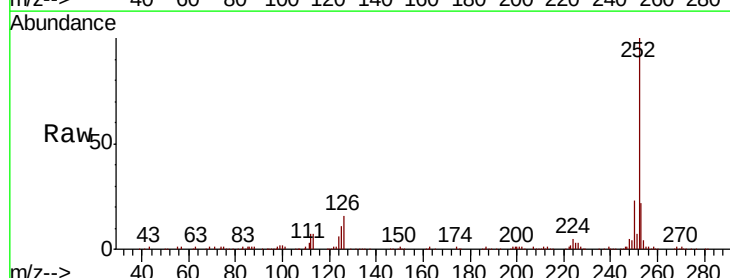
Manual Integrations
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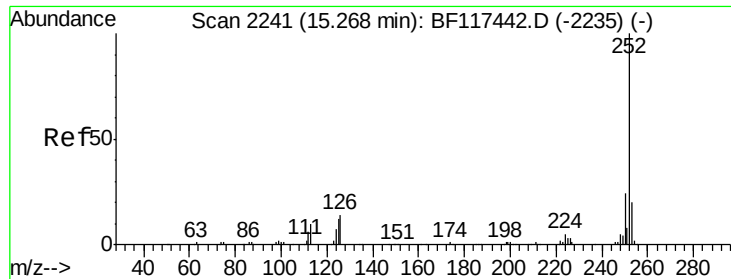
mohammad
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#89
Benzo(k)fluoranthene
Concen: 19.460 ng m
RT: 14.94 min Scan# 2186
Delta R.T. 0.00 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	11.5	8.9	13.3





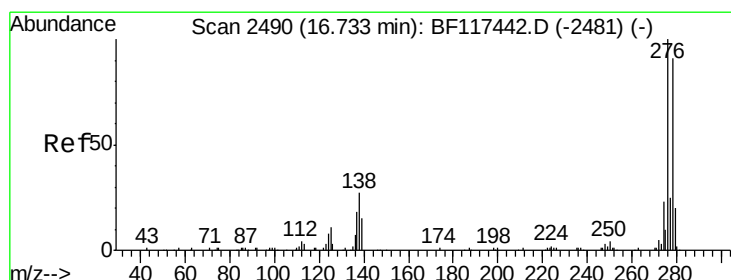
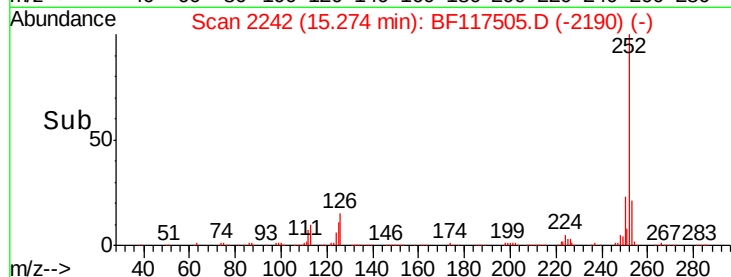
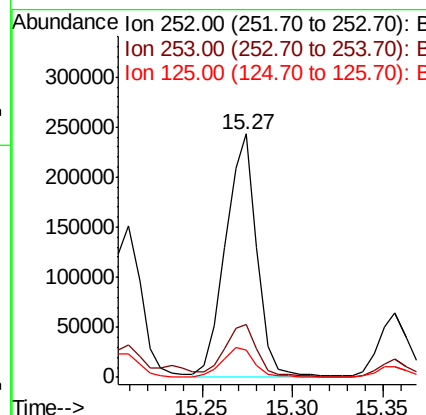
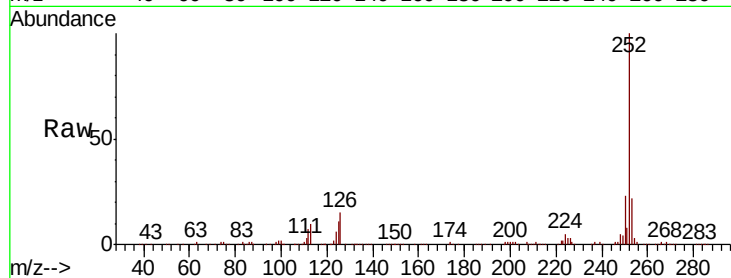
#90
Benzo(a)pyrene
Concen: 53.472 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Instrument :
BNA_F
ClientSampleId :
168-74-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	16.3	24.5
125	11.3	9.2	13.8

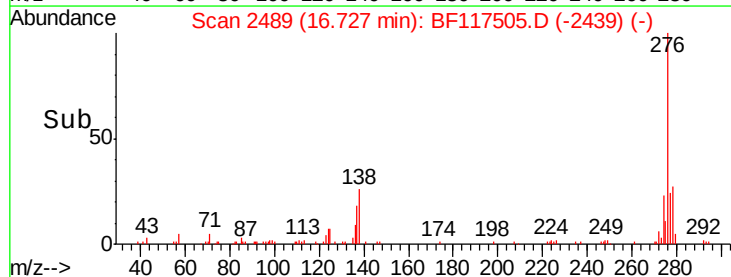
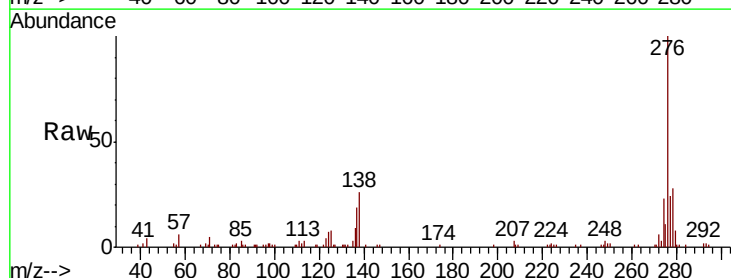
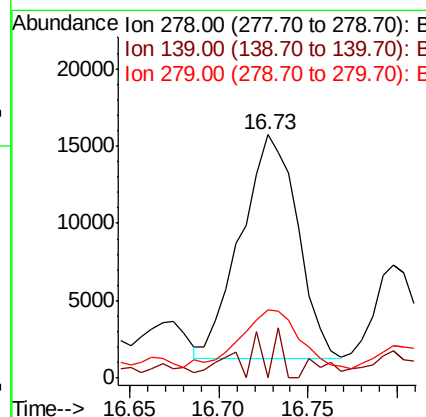
Manual Integrations
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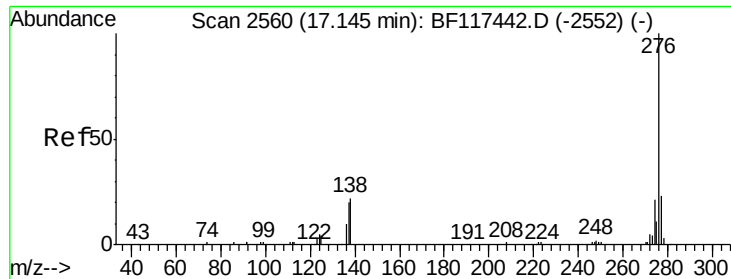
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 6.885 ng m
RT: 16.73 min Scan# 2489
Delta R.T. -0.01 min
Lab File: BF117505.D
Acq: 24 Oct 2019 1:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.4	20.0#
279	28.2	17.8	26.6#





#92

Benzo(a,h,i)perylene

Concen: 20.420 ng

RT: 17.16 min Scan# 2562

Delta R.T. 0.01 min

Lab File: BF117505.D

Acq: 24 Oct 2019 1:10

Instrument :

BNA_F

ClientSampleId :

168-74-(0-1)

Tot Ion:	276	Resp:	89984
Ion Ratio		Lower	Upper
276	100		
277	24.1	18.4	27.6
138	24.3	17.8	26.6

Manual Integrations
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