

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070717\
 Data File : BF096576.D
 Acq On : 7 Jul 2017 23:12
 Operator : SJ/MA
 Sample : I4070-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-070517-C

Manual Integrations
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Quant Time: Jul 10 03:16:23 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	114660	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	456920	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	189401	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	259645	20.00	ng	0.00
75) Chrysene-d12	13.83	240	213885	20.00	ng	-0.01
86) Perylene-d12	15.23	264	221540	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	744070	95.78	ng	0.00
7) Phenol-d6	6.34	99	881503	92.30	ng	0.00
23) Nitrobenzene-d5	7.26	82	512615	67.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	143388	96.92	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	835034	75.38	ng	0.00
78) Terphenyl-d14	12.79	244	477650	47.72	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.35	94	27273	2.507	ng	93
49) Dimethylphthalate	9.45	163	98182	6.944	ng	99
70) Phenanthrene	11.23	178	71530	5.096	ng	97
74) Fluoranthene	12.41	202	62926	4.573	ng	96
77) Pyrene	12.64	202	86928	5.063	ng	97
80) Benzo(a)anthracene	13.82	228	31953m	2.580	ng	
82) Chrysene	13.86	228	42599	3.284	ng	97
87) Benzo(b)fluoranthene	14.84	252	41796m	3.011	ng	
89) Benzo(a)pyrene	15.17	252	32604	2.631	ng	92

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

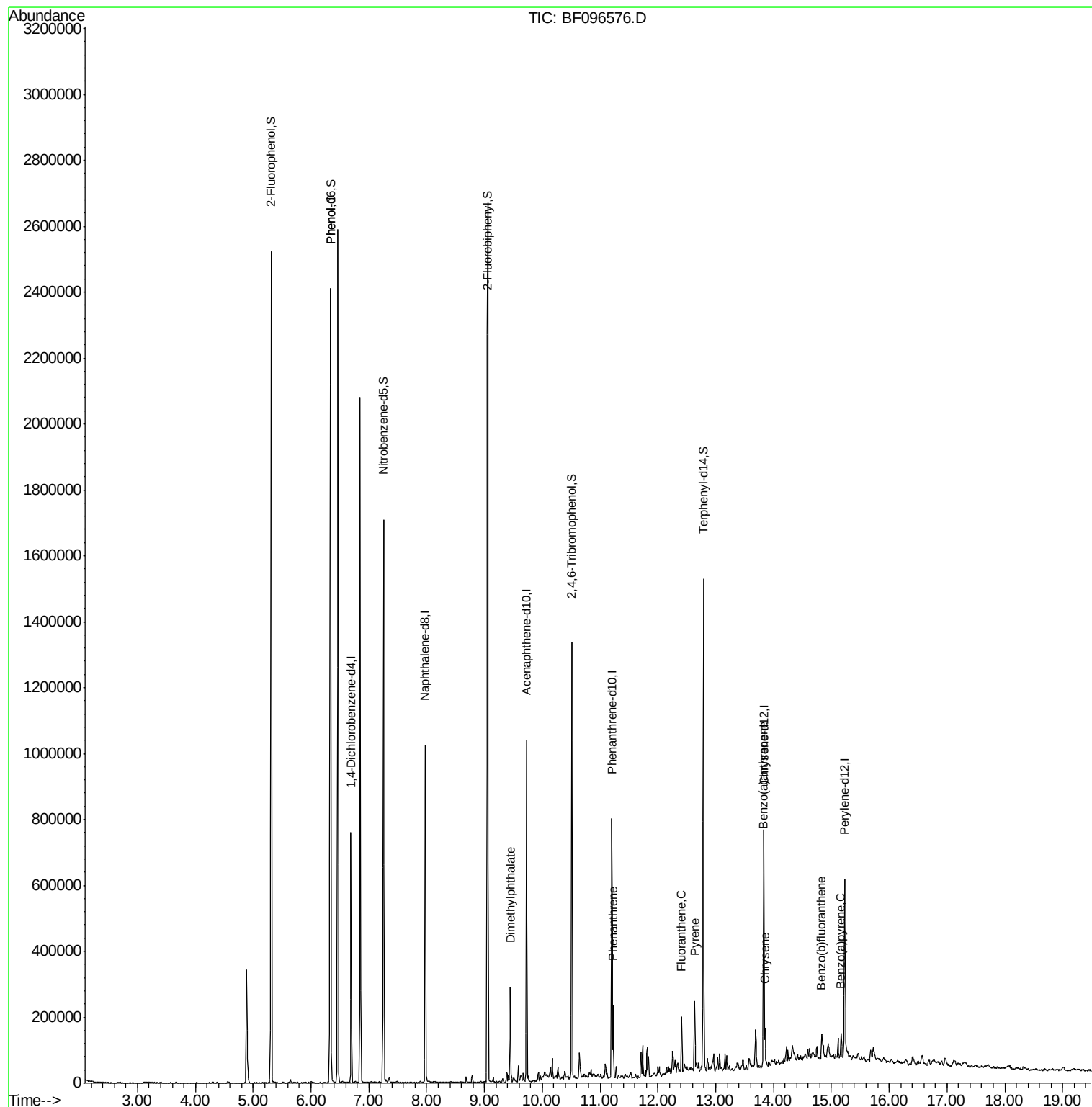
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070717\
Data File : BF096576.D
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Operator : SJ/MA
Sample : I4070-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

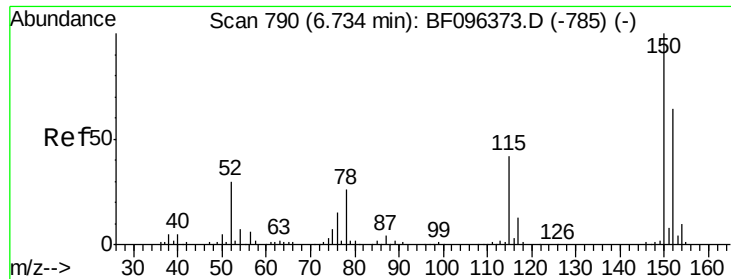
Instrument :
BNA_F
ClientSampleId :
AU-05-070517-C

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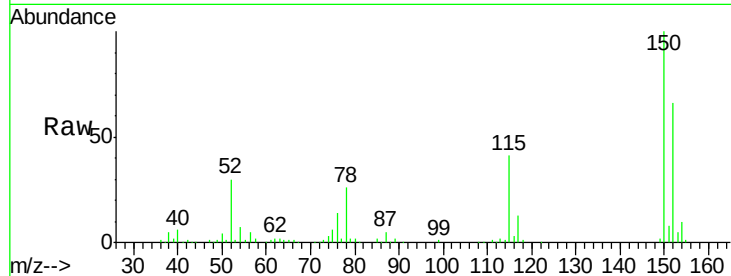
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF096576.D
Acq: 7 Jul 2017 23:12

Instrument :
BNA_F
ClientSampleId :
AU-05-070517-C

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.6	126.2	189.2
115	62.9	52.2	78.2

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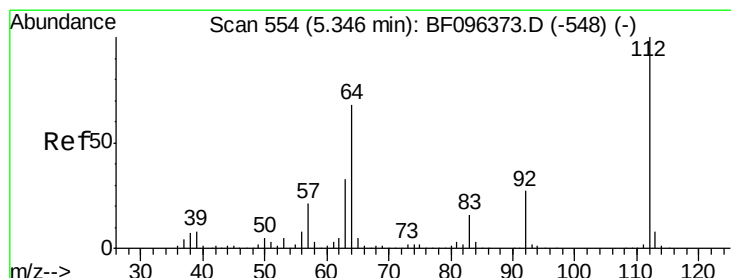
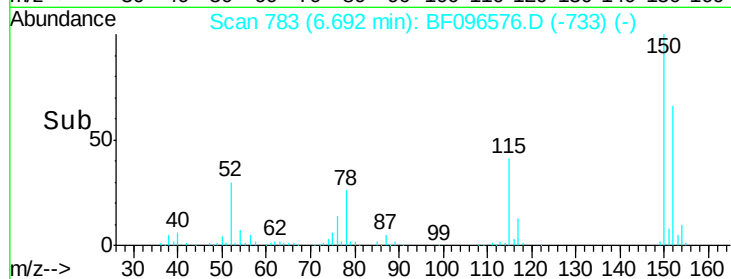
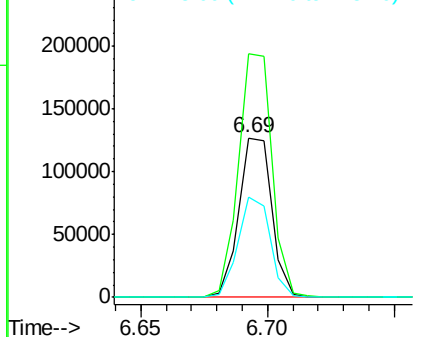


Abundance

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: 95.781 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.00 min
Lab File: BF096576.D
Acq: 7 Jul 2017 23:12

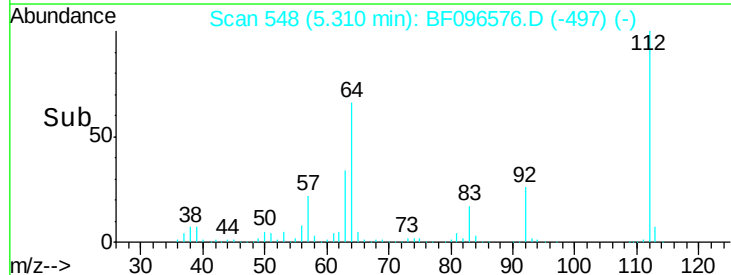
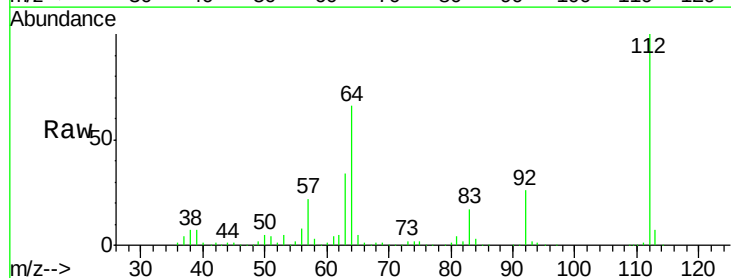
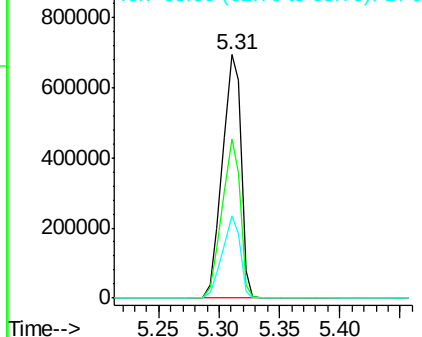
Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	46.0	69.0
63	33.6	23.4	35.0

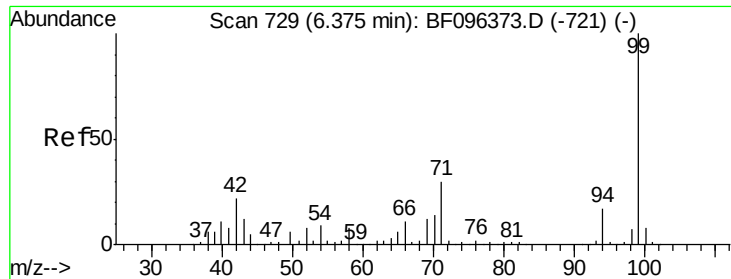
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 92.301 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF096576.D

Acq: 7 Jul 2017 23:12

Instrument :

BNA_F

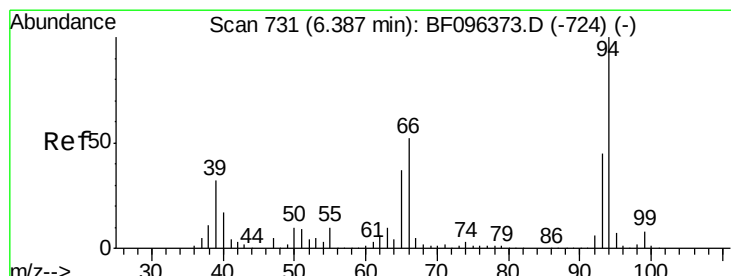
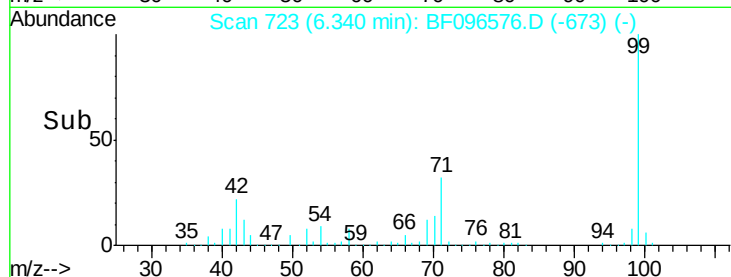
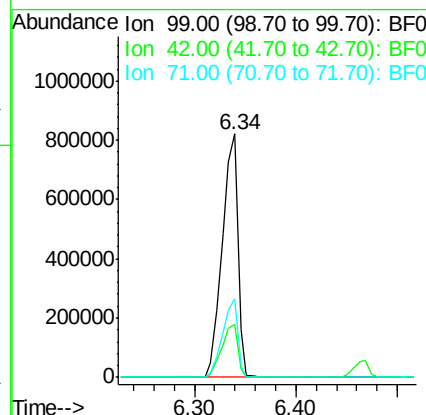
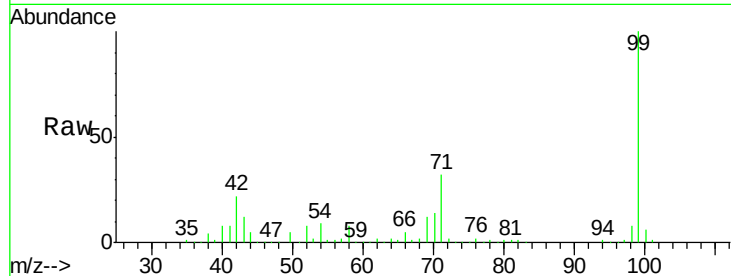
ClientSampleId :

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Tgt Ion:	99	Resp:	881503
Ion	Ratio	Lower	Upper
99	100		
42	21.9	13.5	20.3#
71	32.0	24.5	36.7

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#10

Phenol

Concen: 2.507 ng

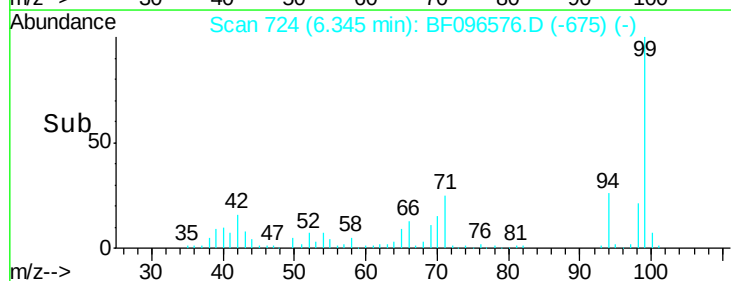
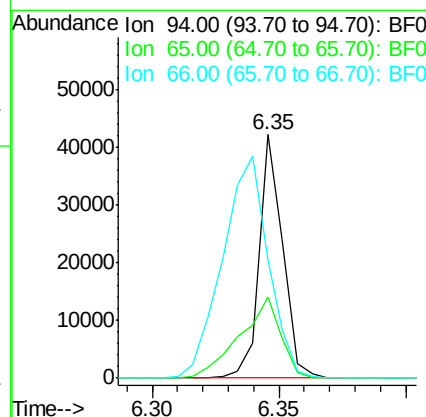
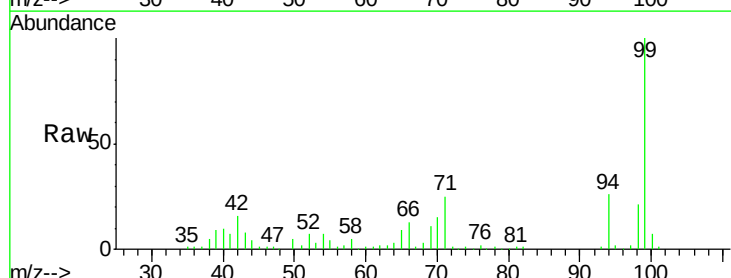
RT: 6.35 min Scan# 724

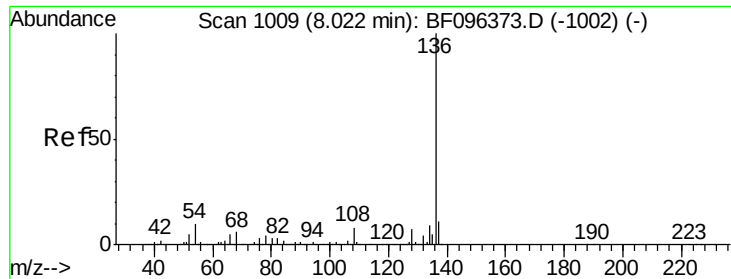
Delta R.T. -0.01 min

Lab File: BF096576.D

Acq: 7 Jul 2017 23:12

Tgt Ion:	94	Resp:	27273
Ion	Ratio	Lower	Upper
94	100		
65	33.3	9.9	49.9
66	48.5	23.1	63.1





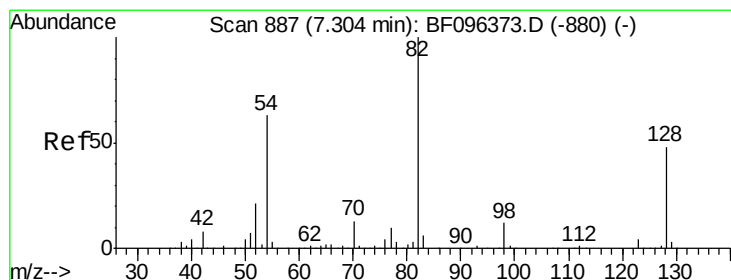
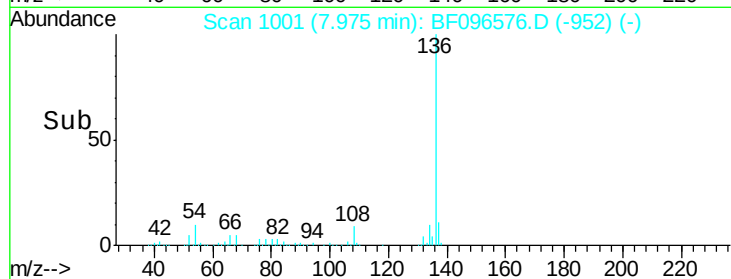
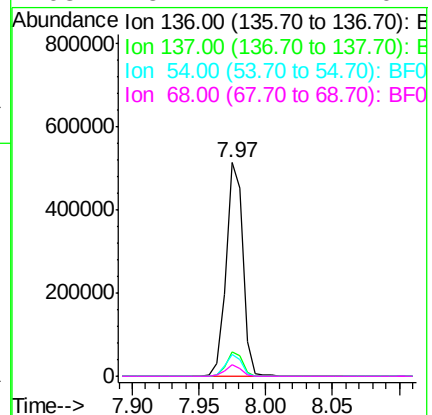
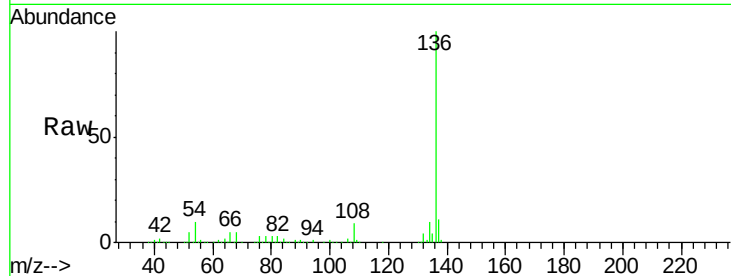
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF096576.D
Acq: 7 Jul 2017 23:12

Instrument :
BNA_F
ClientSampleId :
AU-05-070517-C

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	456920		
137	11.2	8.5	12.7	
54	10.1	4.9	7.3#	
68	5.2	4.1	6.1	

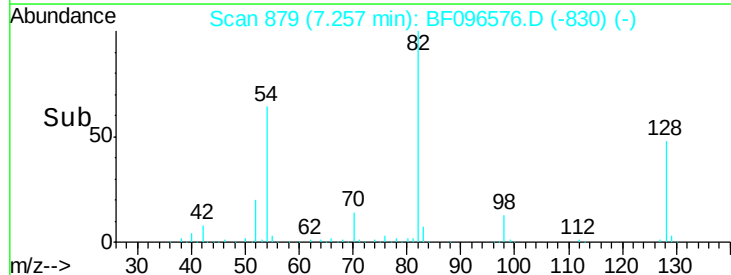
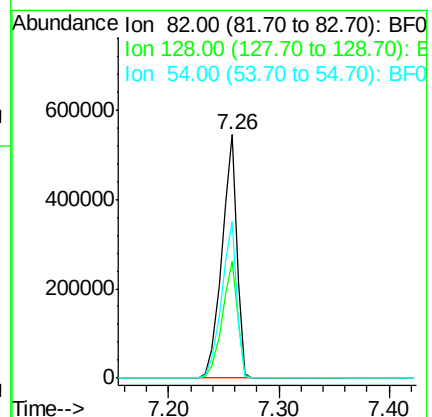
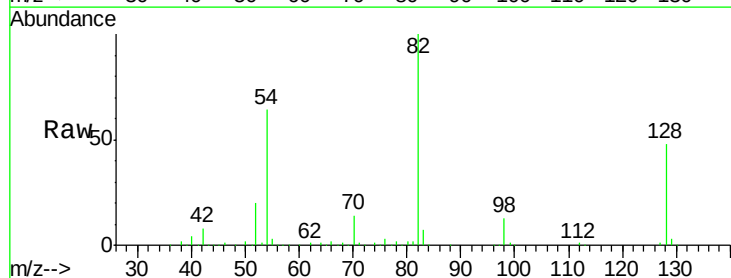
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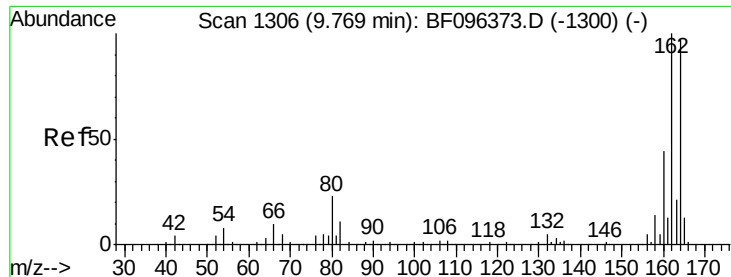
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#23
Nitrobenzene-d5
Concen: 67.415 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF096576.D
Acq: 7 Jul 2017 23:12

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	512615		
128	48.1	34.0	51.0	
54	64.2	42.2	63.2#	





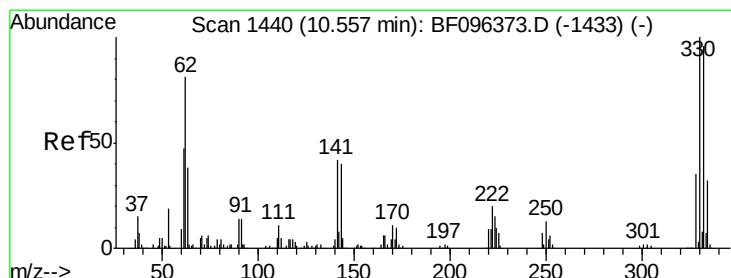
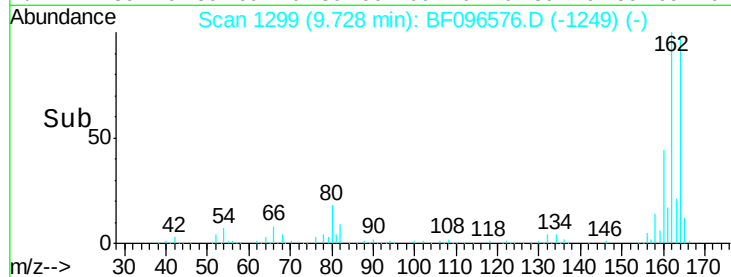
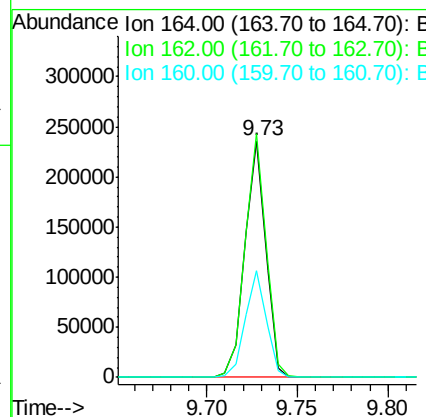
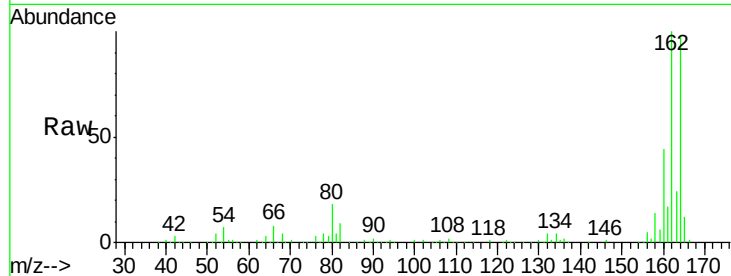
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF096576.D
 Acq: 7 Jul 2017 23:12

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-070517-C

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	189401		
162	103.2	82.6	123.8	
160	44.9	36.2	54.2	

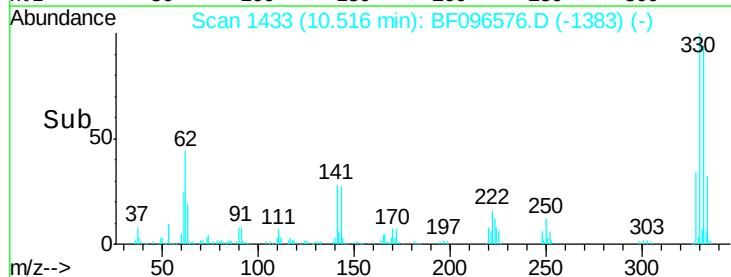
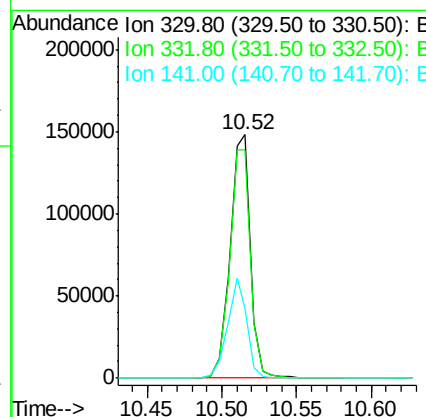
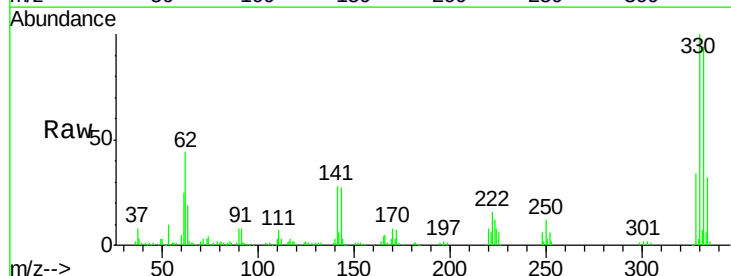
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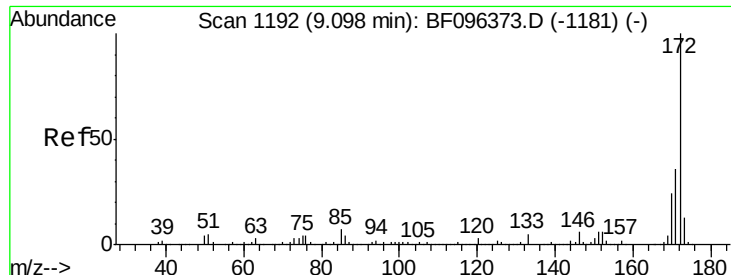
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#41
 2,4,6-Tribromophenol
 Concen: 96.920 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF096576.D
 Acq: 7 Jul 2017 23:12

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	143388		
332	96.4	76.6	115.0	
141	38.6	31.4	47.2	





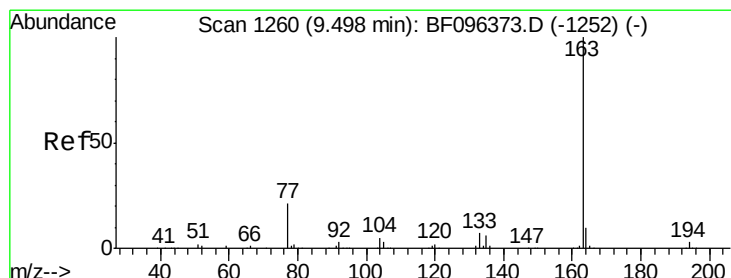
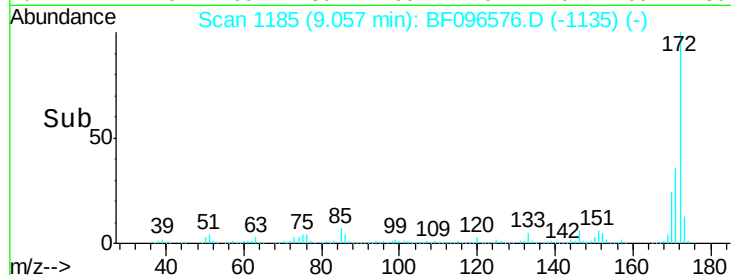
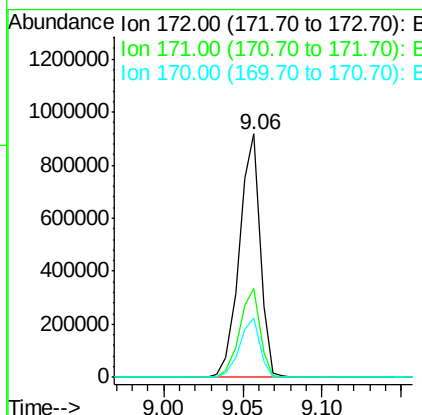
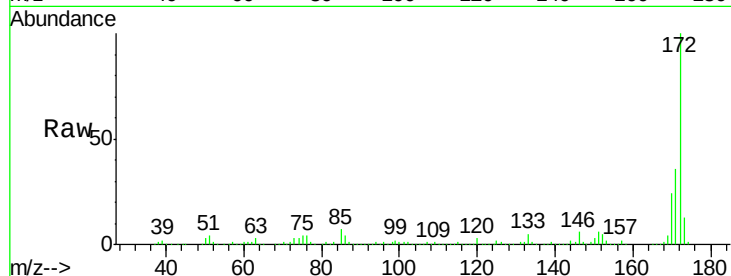
#44
2-Fluorobiphenyl
Concen: 75.381 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF096576.D
Acq: 7 Jul 2017 23:12

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
172	100	835034		
171	36.3		29.6	44.4
170	24.4		19.8	29.8

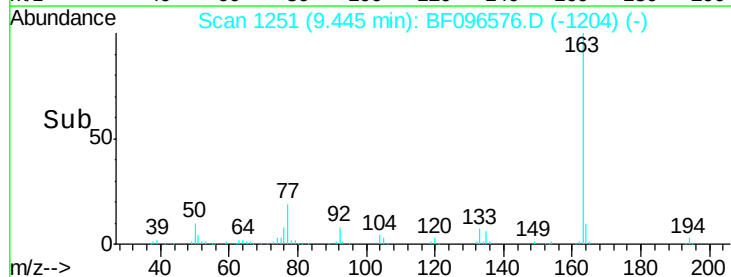
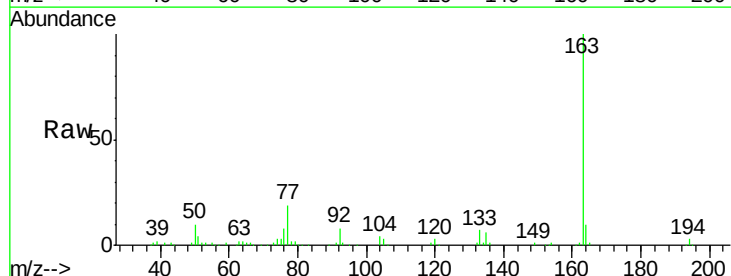
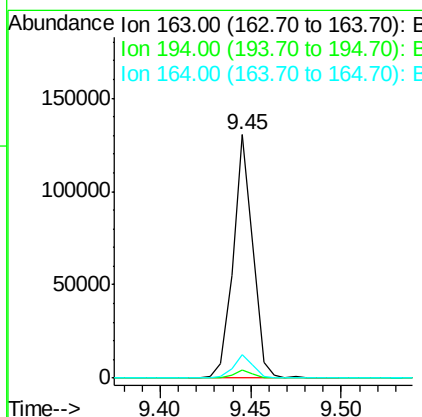
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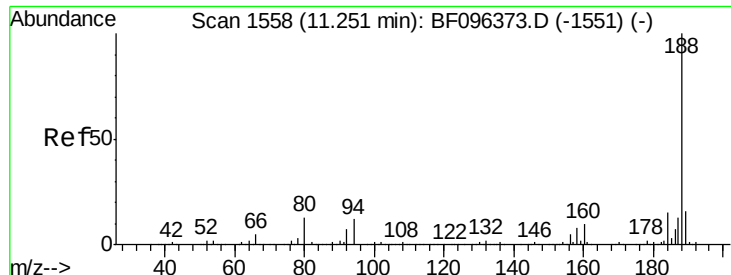
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#49
Dimethylphthalate
Concen: 6.944 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096576.D
Acq: 7 Jul 2017 23:12

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	98182		
194	3.3		2.6	4.0
164	9.8		8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF096576.D

Acq: 7 Jul 2017 23:12

Instrument :

BNA_F

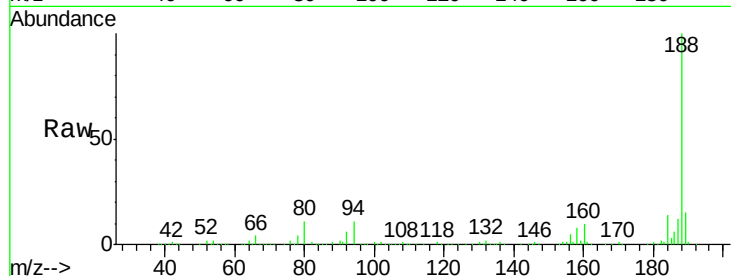
ClientSampleId :

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Tgt Ion:	188	Resp:	259645
Ion Ratio	Lower	Upper	
188	100		
94	10.9	9.4	14.2
80	11.1	10.2	15.2

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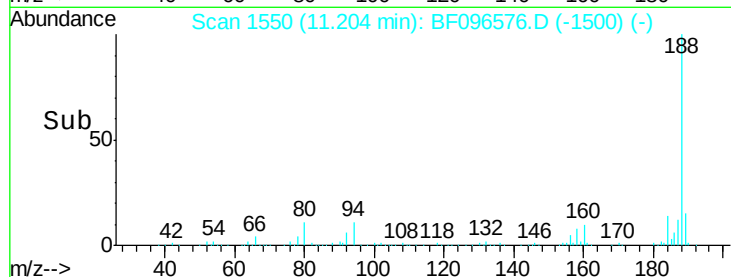


Abundance Ion 188.00 (187.70 to 188.70): E

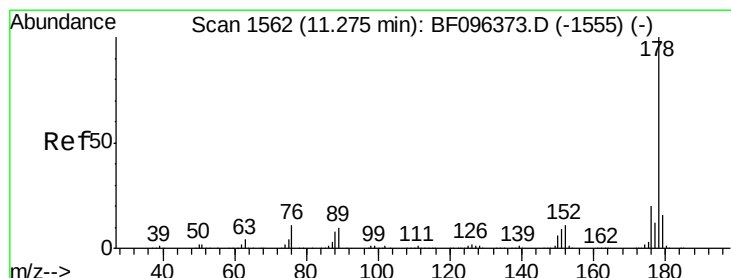
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time--> 11.15 11.20 11.25



Time--> 11.15 11.20 11.25



#70

Phenanthrene

Concen: 5.096 ng

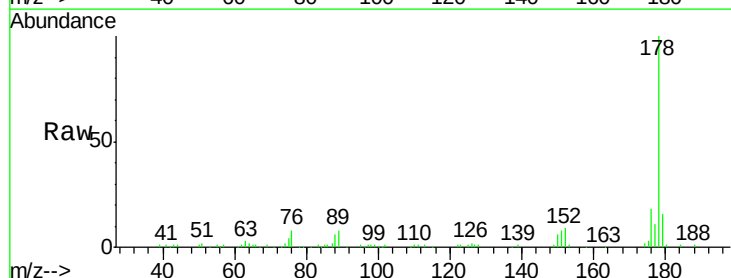
RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF096576.D

Acq: 7 Jul 2017 23:12

Tgt Ion:	178	Resp:	71530
Ion Ratio	Lower	Upper	
178	100		
176	18.0	16.2	24.4
179	15.9	12.6	19.0

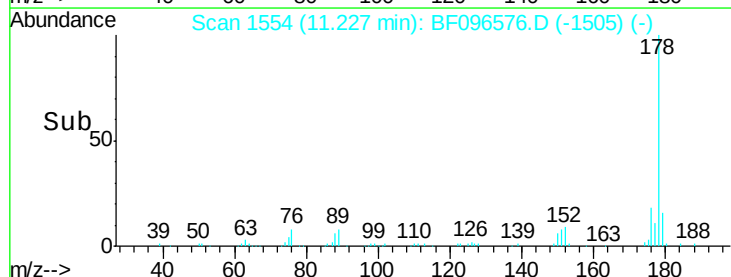


Abundance Ion 178.00 (177.70 to 178.70): E

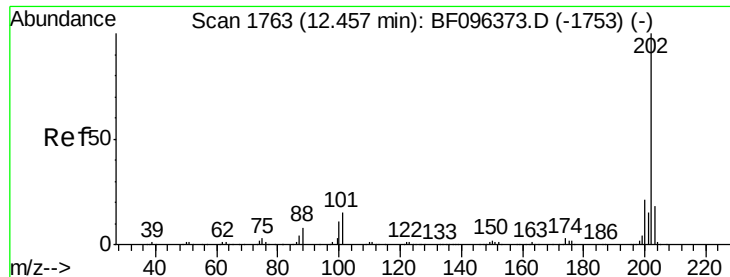
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time--> 11.20 11.25



Time--> 11.20 11.25



#74

Fluoranthene

Concen: 4.573 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF096576.D

Acq: 7 Jul 2017 23:12

Instrument :

BNA_F

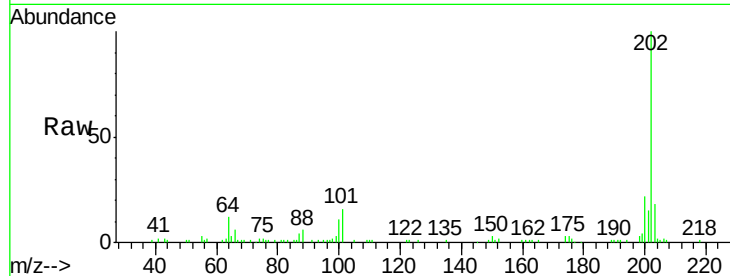
ClientSampleId :

AU-05-070517-C

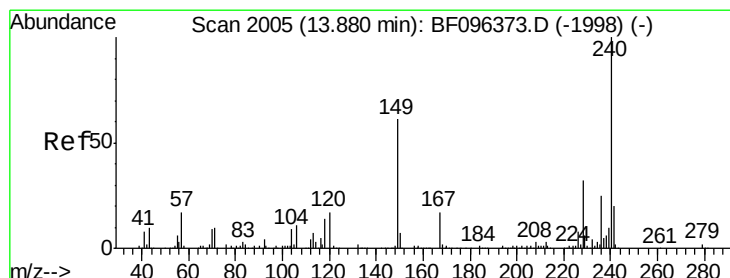
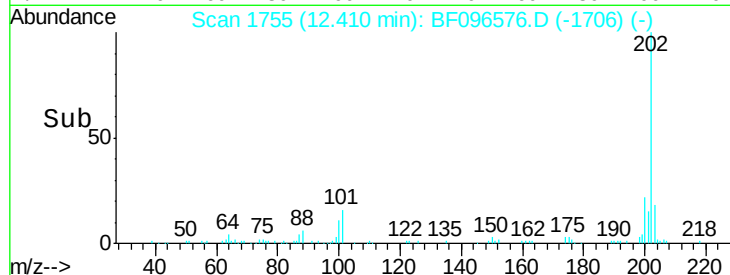
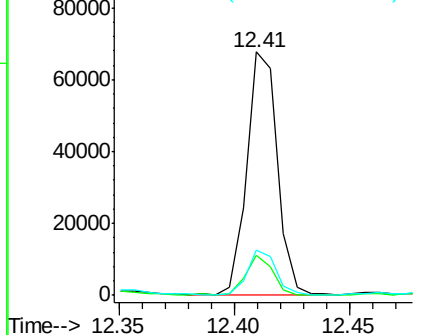
Tgt Ion:	202	Resp:	62926
Ion Ratio	Lower	Upper	
202	100		
101	16.3	0.0	33.2
203	18.4	0.0	38.1

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



#75

Chrysene-d12

Concen: 20.000 ng

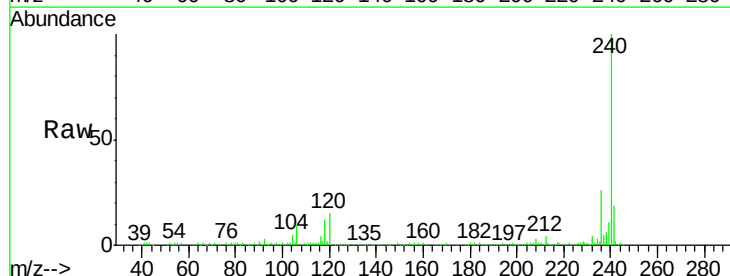
RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

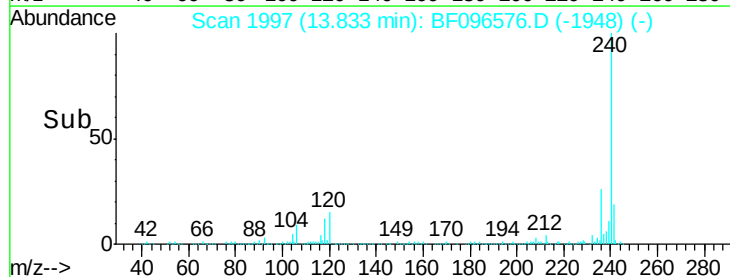
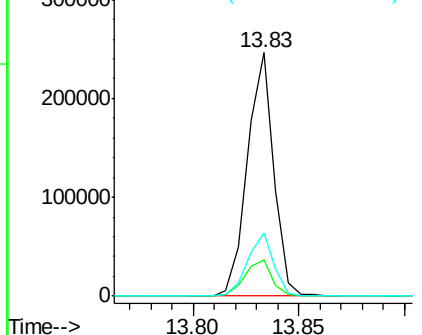
Lab File: BF096576.D

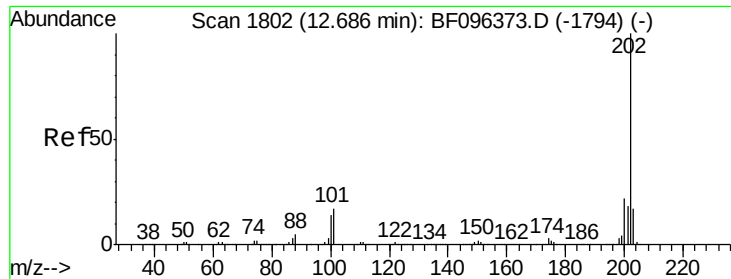
Acq: 7 Jul 2017 23:12

Tgt Ion:	240	Resp:	213885
Ion Ratio	Lower	Upper	
240	100		
120	14.6	5.8	8.8#
236	25.7	20.5	30.7



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





#77

Pyrene

Concen: 5.063 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BF096576.D

Acq: 7 Jul 2017 23:12

Instrument :

BNA_F

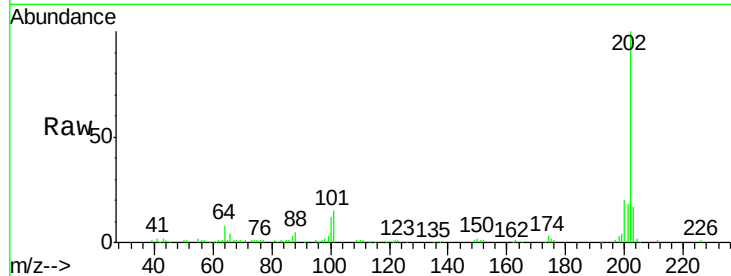
ClientSampleId :

AU-05-070517-C

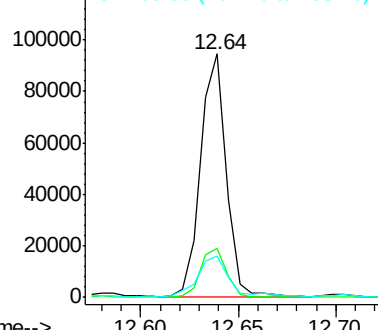
Tgt Ion:	202	Resp:	86928
Ion Ratio	Lower	Upper	
202	100		
200	20.2	17.6	26.4
203	16.8	14.4	21.6

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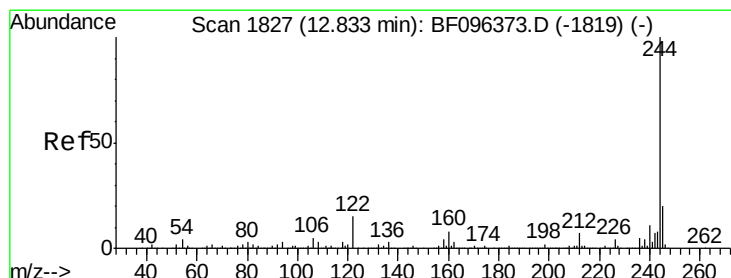
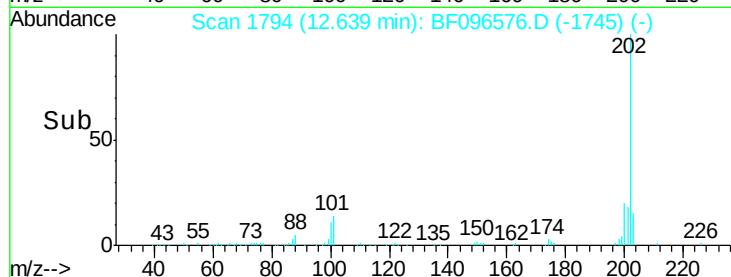
mohammad
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 47.720 ng

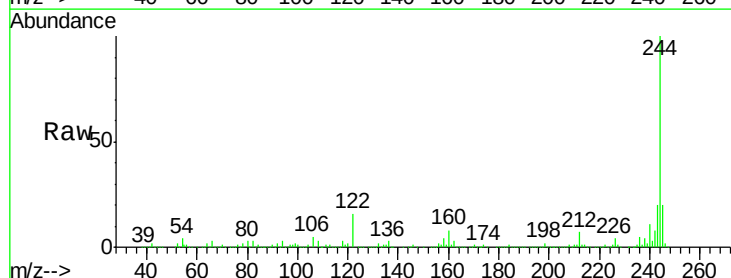
RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

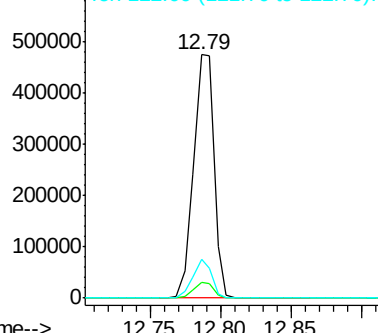
Lab File: BF096576.D

Acq: 7 Jul 2017 23:12

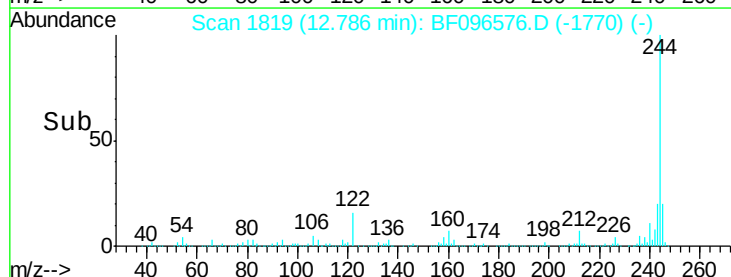
Tgt Ion:	244	Resp:	477650
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.0	9.0
122	15.9	10.3	15.5

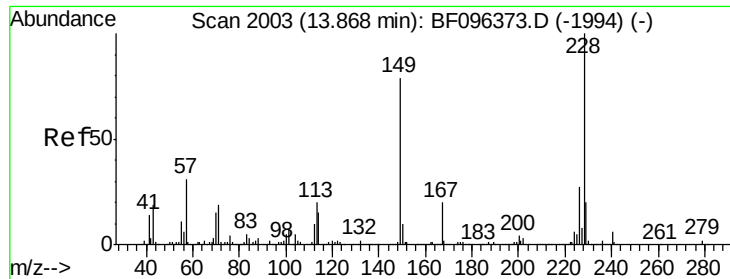


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





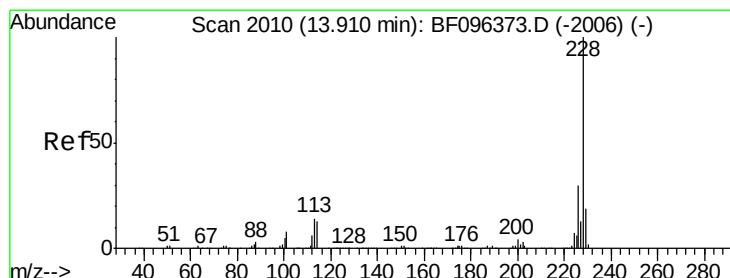
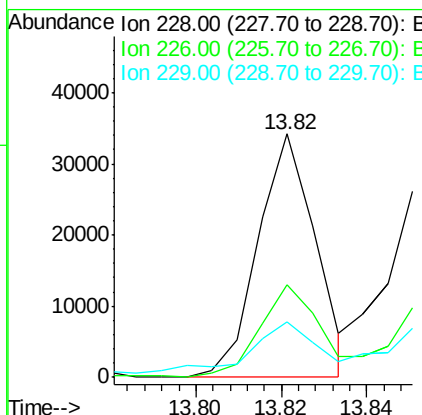
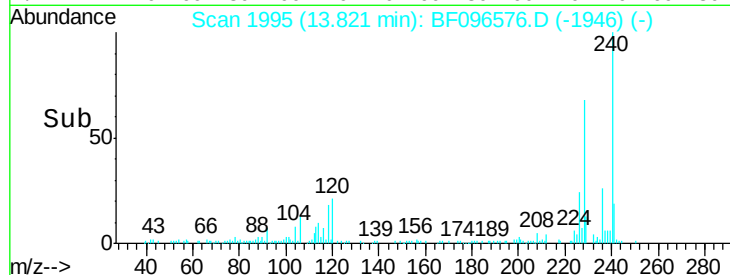
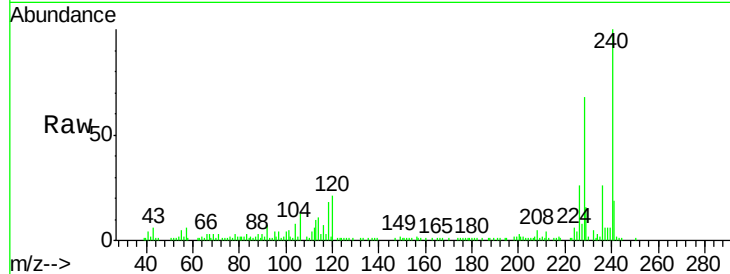
#80
 Benzo(a)anthracene
 Concen: 2.580 ng m
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF096576.D
 Acq: 7 Jul 2017 23:12

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-070517-C

Tgt Ion:	228	Resp:	31953
Ion Ratio	Lower	Upper	
228	100		
226	37.9	22.6	33.8#
229	22.8	16.3	24.5

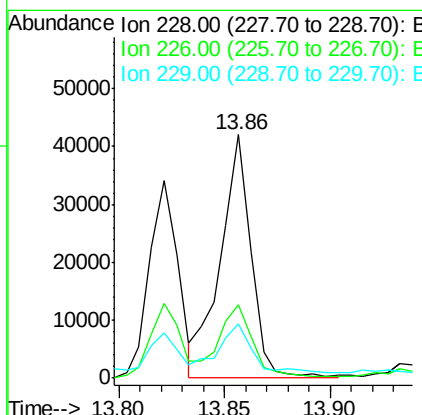
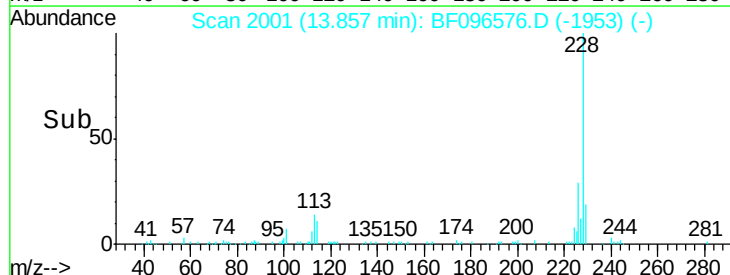
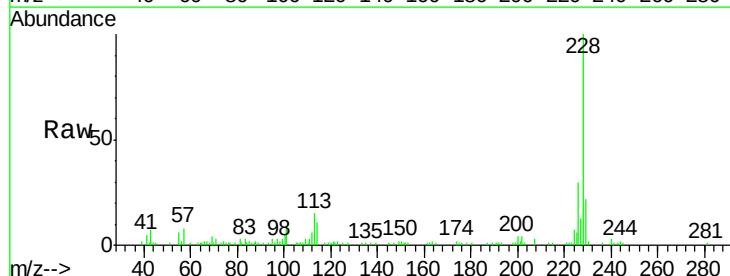
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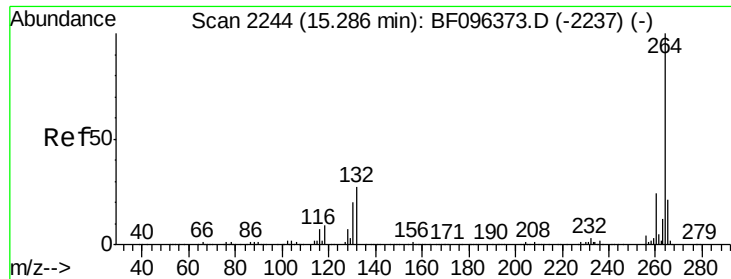
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#82
 Chrysene
 Concen: 3.284 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.02 min
 Lab File: BF096576.D
 Acq: 7 Jul 2017 23:12

Tgt Ion:	228	Resp:	42599
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.9	37.3
229	22.5	15.8	23.6





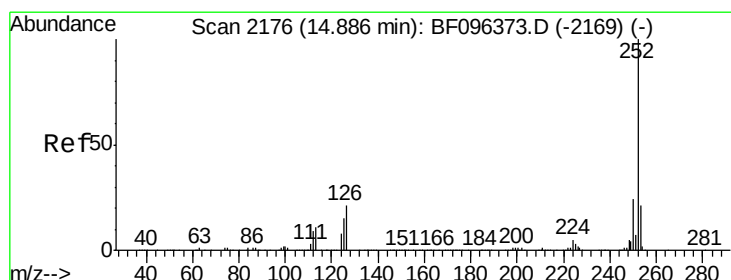
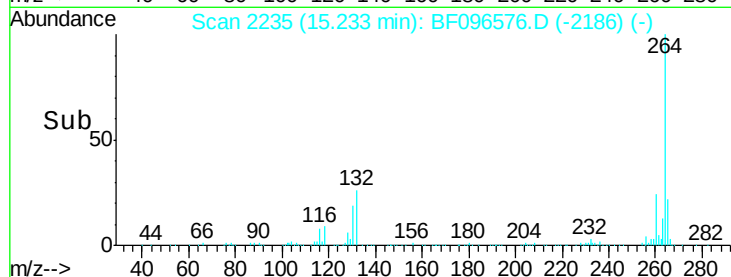
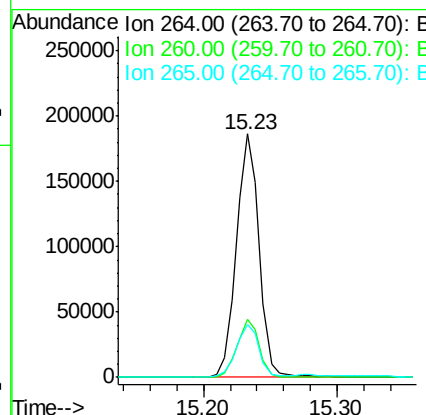
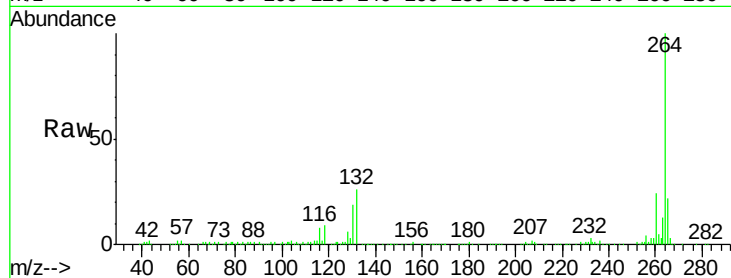
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF096576.D
Acq: 7 Jul 2017 23:12

Instrument :
BNA_F
ClientSampleId :
AU-05-070517-C

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	221540		
260	23.8	19.5	29.3	
265	21.6	17.2	25.8	

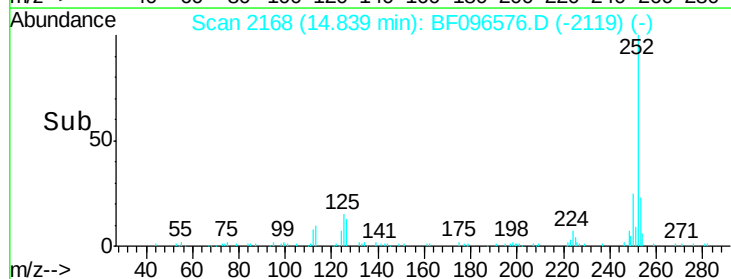
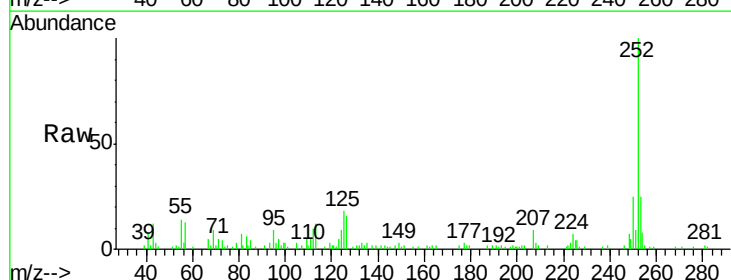
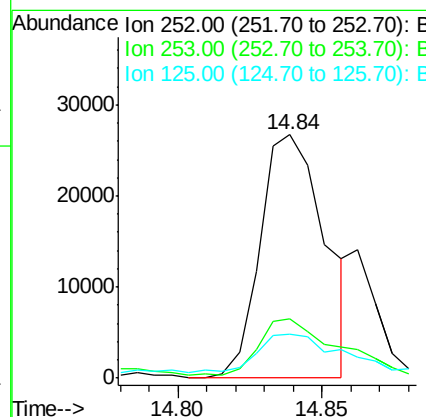
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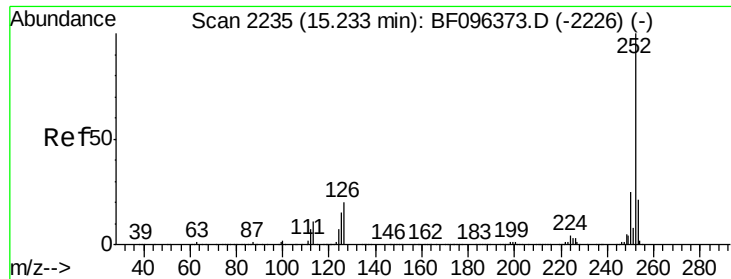
mohammad
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#87
Benzo(b)fluoranthene
Concen: 3.011 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF096576.D
Acq: 7 Jul 2017 23:12

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	41796		
253	24.6	18.1	27.1	
125	17.9	9.8	14.8#	





#89

Benzo(a)pyrene

Concen: 2.631 ng

RT: 15.17 min Scan# 2225

Delta R.T. -0.02 min

Lab File: BF096576.D

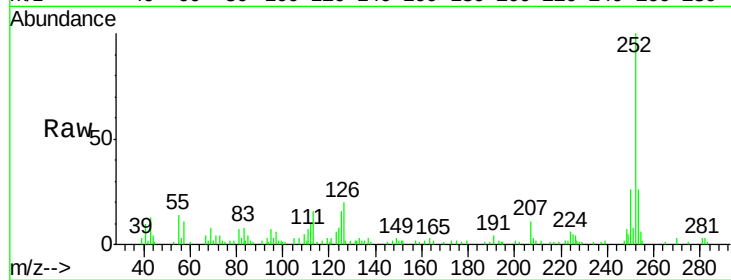
Acq: 7 Jul 2017 23:12

Instrument :

BNA_F

ClientSampleId :

AU-05-070517-C



Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.5	26.3
125	16.3	11.0	16.4

Manual Integrations
APPROVED

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