

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
 Data File : BF114348.D
 Acq On : 17 May 2019 14:34
 Operator : JU/SJ
 Sample : K2644-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-051519-A

Manual Integrations
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Quant Time: May 18 05:12:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	217058	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	882008	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	425335	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	861386	20.00	ng	0.00
76) Chrysene-d12	14.01	240	565644	20.00	ng	-0.01
87) Perylene-d12	15.50	264	635889	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	268857	19.93	ng	-0.01
7) Phenol-d6	6.49	99	368231	23.08	ng	0.00
23) Nitrobenzene-d5	7.40	82	205380	13.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	86236	19.61	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	423195	15.05	ng	-0.01
79) Terphenyl-d14	12.94	244	409875	14.94	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.39	178	255497	6.097	ng	97
75) Fluoranthene	12.58	202	465966	10.325	ng	98
78) Pyrene	12.81	202	374602	8.232	ng	98
81) Benzo(a)anthracene	14.00	228	150600	4.116	ng	98
83) Chrysene	14.03	228	145442	4.055	ng	96
86) Indeno(1,2,3-cd)pyrene	16.97	276	81721	2.578	ng	97
88) Benzo(b)fluoranthene	15.07	252	208929m	5.129	ng	
90) Benzo(a)pyrene	15.43	252	142711	3.980	ng	99
92) Benzo(g,h,i)perylene	17.43	276	80327	2.690	ng	94

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

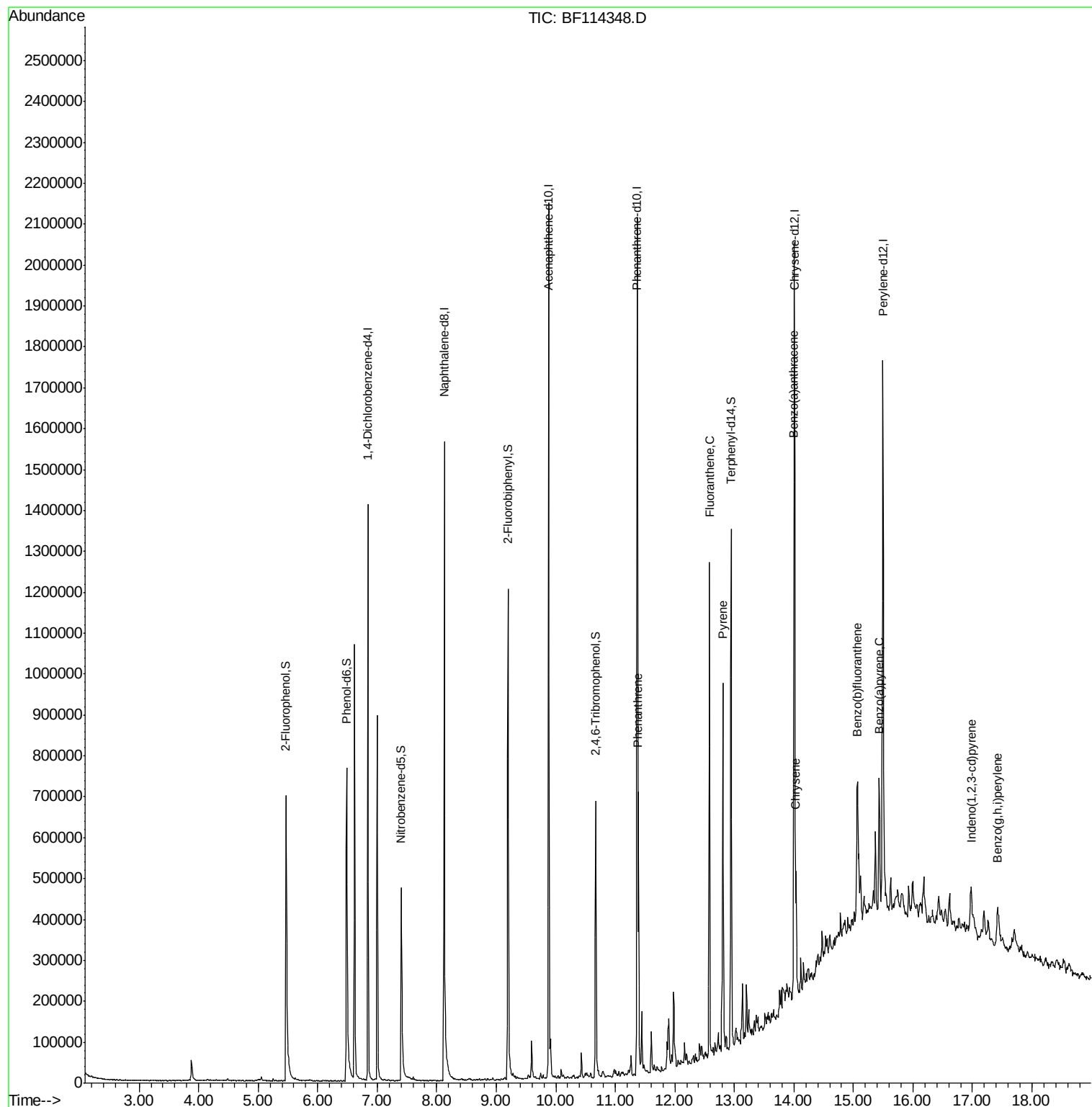
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
Data File : BF114348.D
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Operator : JU/SJ
Sample : K2644-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

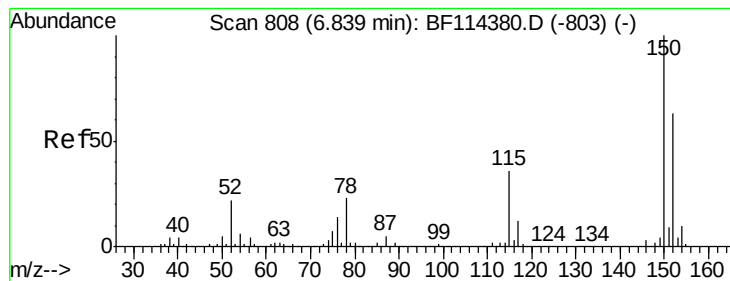
Instrument :
BNA_F
ClientSampleId :
EO-01-051519-A

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Quant Time: May 18 05:12:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration





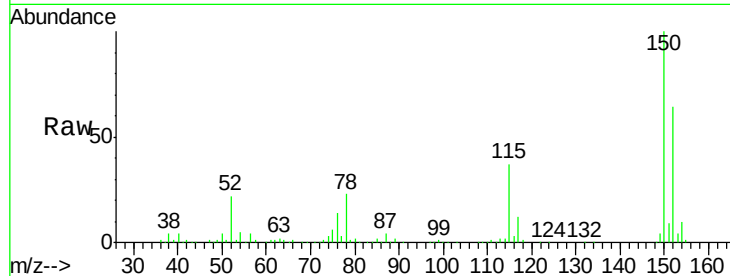
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF114348.D
 Acq: 17 May 2019 14:34

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-051519-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.3	186.5
115	58.0	49.1	73.7

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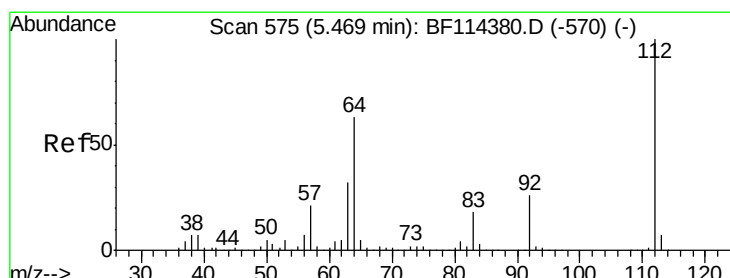
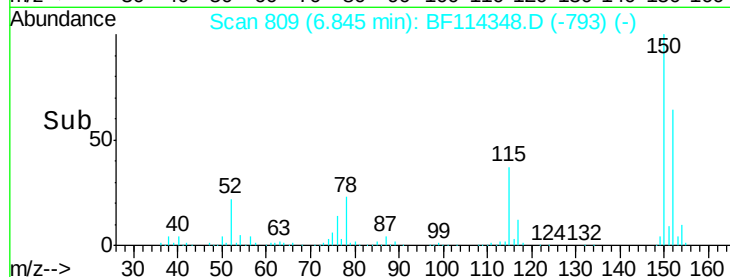
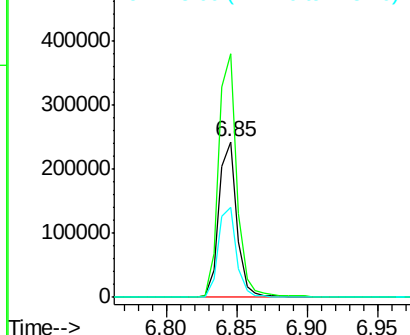


Abundance

Ion 152.00 (151.70 to 152.70): E

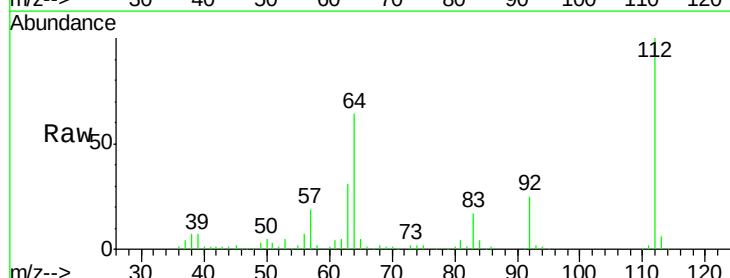
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 19.933 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF114348.D
 Acq: 17 May 2019 14:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	49.0	73.6
63	31.2	24.6	37.0

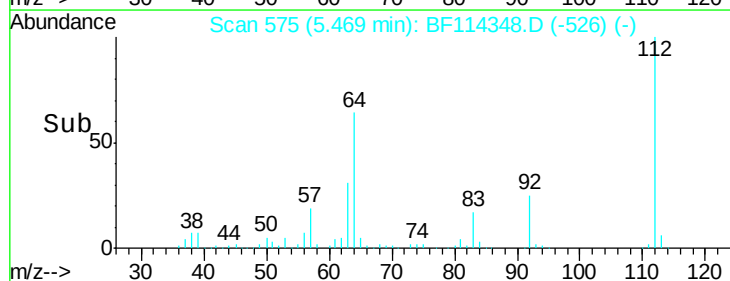
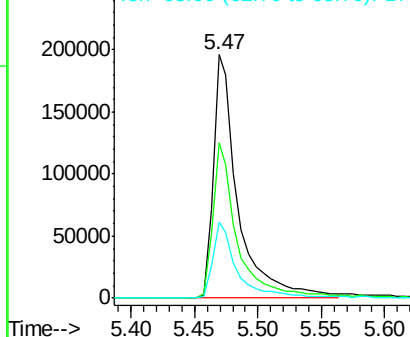


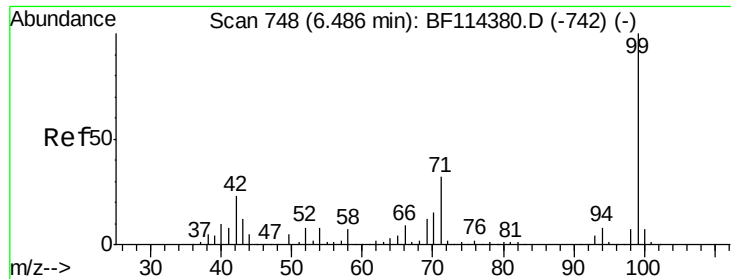
Abundance

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: 23.083 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114348.D

Acq: 17 May 2019 14:34

Instrument :

BNA_F

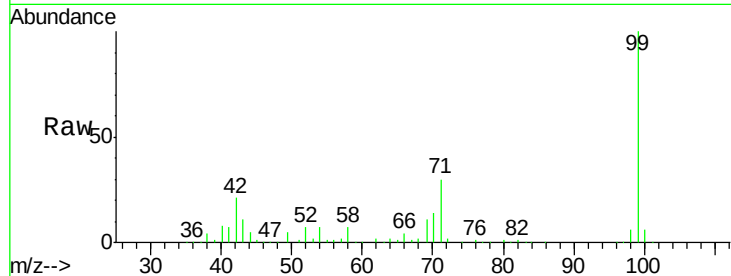
ClientSampleId :

EO-01-051519-A

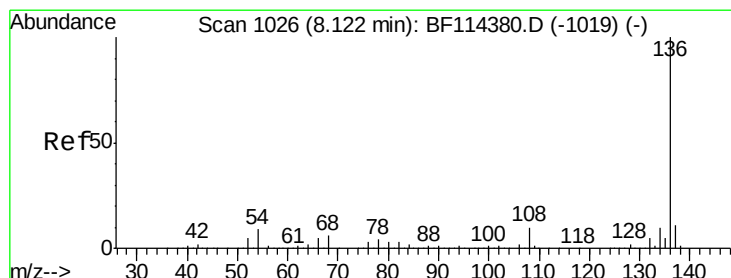
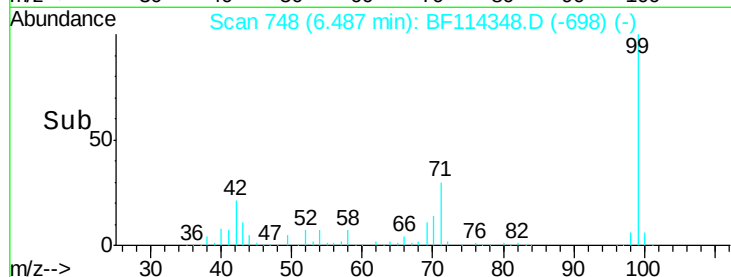
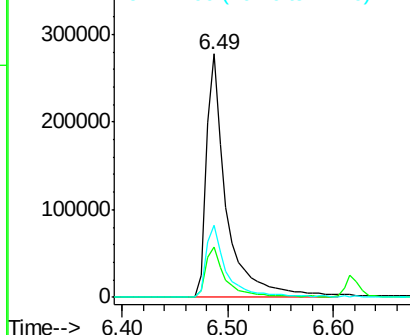
Tgt Ion:	99	Resp:	368231
Ion Ratio	Lower	Upper	
99	100		
42	20.8	17.9	26.9
71	29.7	26.2	39.2

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

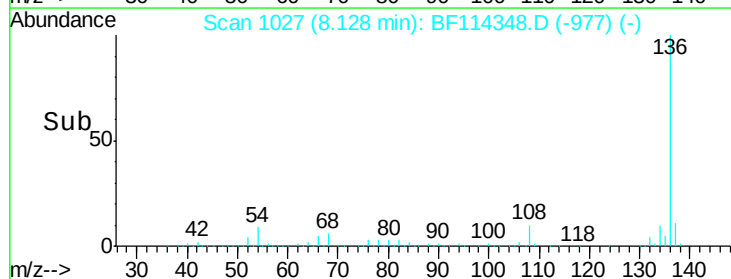
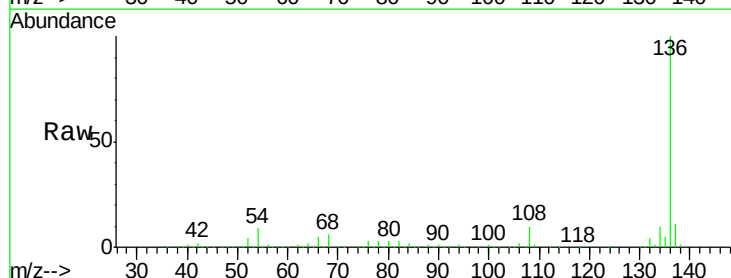
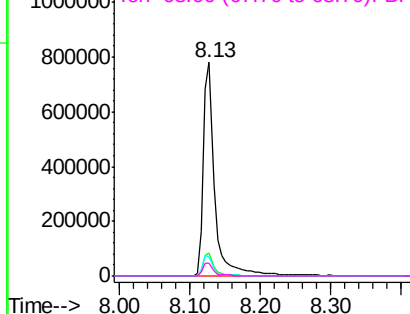
Delta R.T. -0.01 min

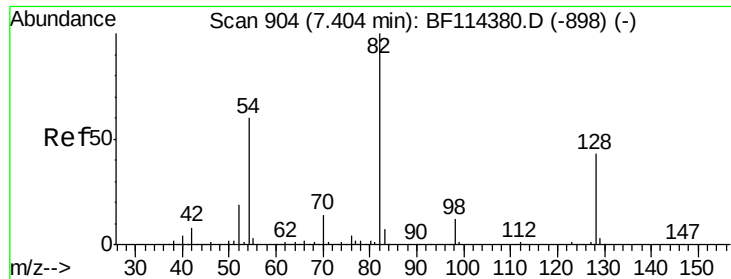
Lab File: BF114348.D

Acq: 17 May 2019 14:34

Tgt Ion:	136	Resp:	882008
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	9.2	7.8	11.8
68	5.9	5.1	7.7

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





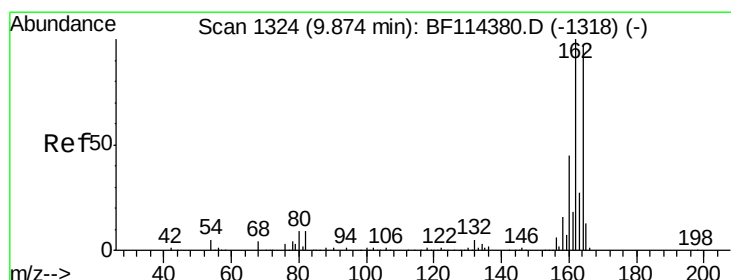
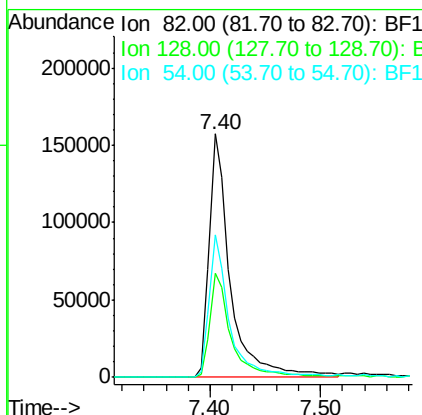
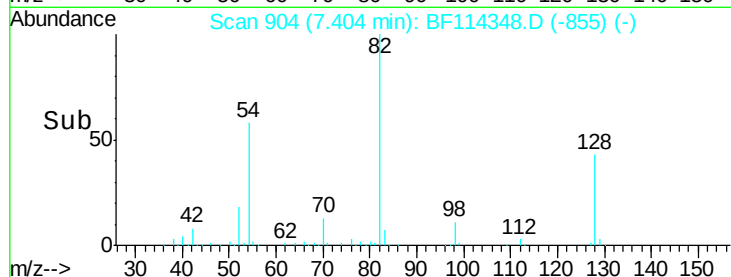
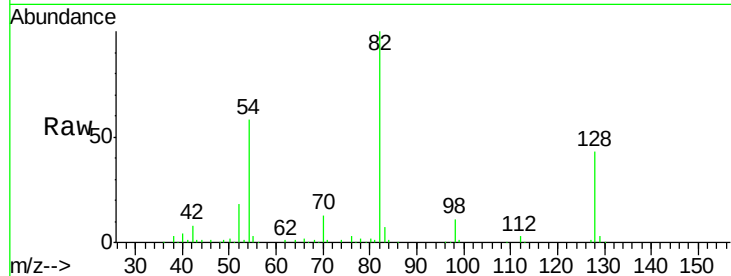
#23
 Nitrobenzene-d5
 Concen: 13.068 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF114348.D
 Acq: 17 May 2019 14:34

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-051519-A

Tgt Ion	82	Resp	205380
Ion Ratio	Lower	Upper	
82	100		
128	42.9	35.5	53.3
54	58.5	48.5	72.7

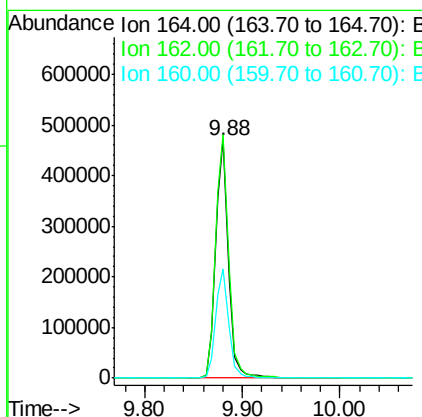
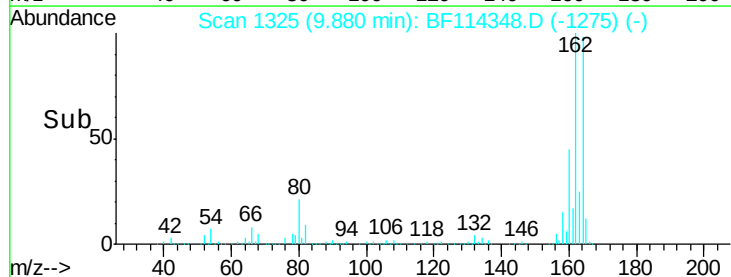
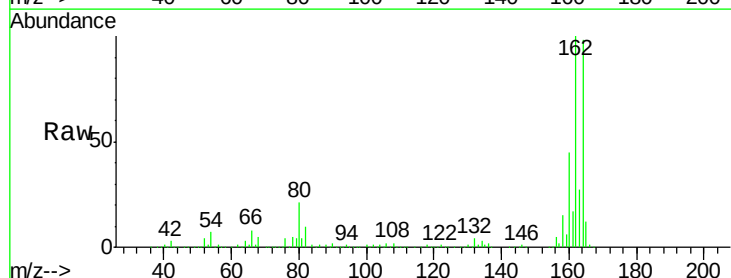
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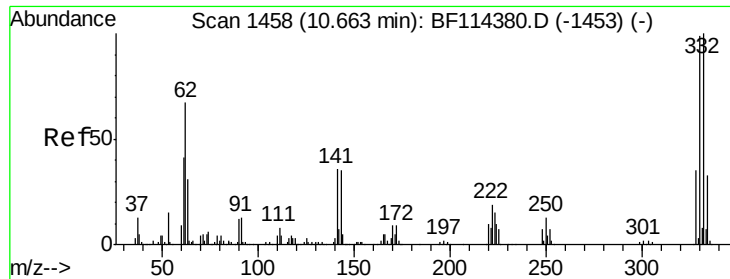
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF114348.D
 Acq: 17 May 2019 14:34

Tgt Ion	164	Resp	425335
Ion Ratio	Lower	Upper	
164	100		
162	102.2	80.6	120.8
160	45.8	36.5	54.7





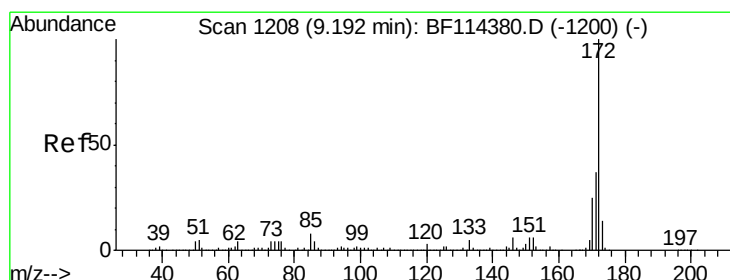
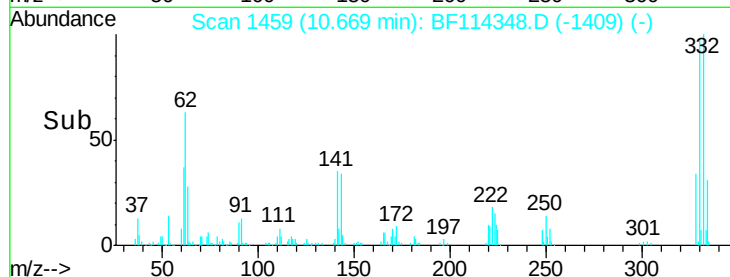
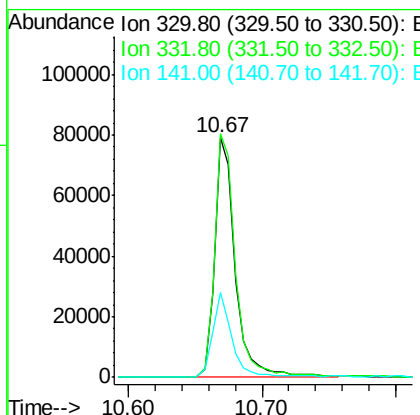
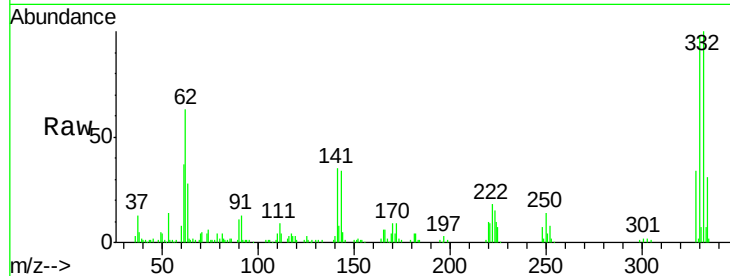
#42
 2,4,6-Tribromophenol
 Concen: 19.611 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF114348.D
 Acq: 17 May 2019 14:34

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	86236		
332	103.2	81.4	122.2	
141	33.4	26.6	40.0	

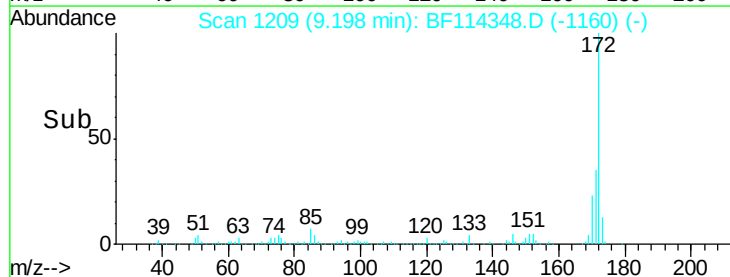
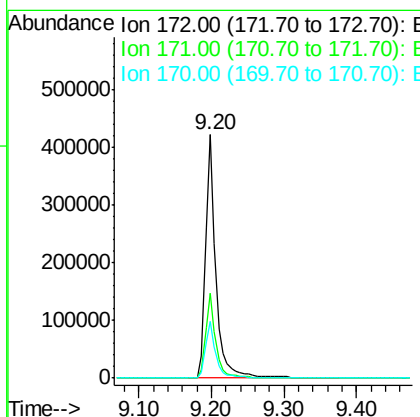
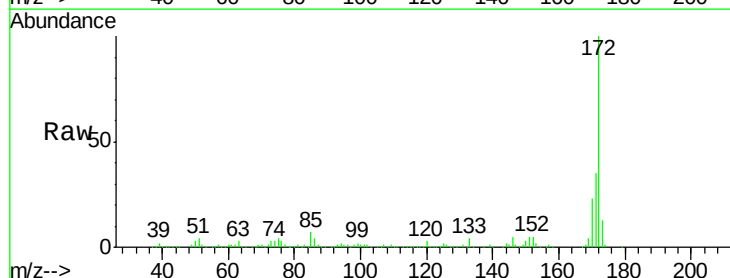
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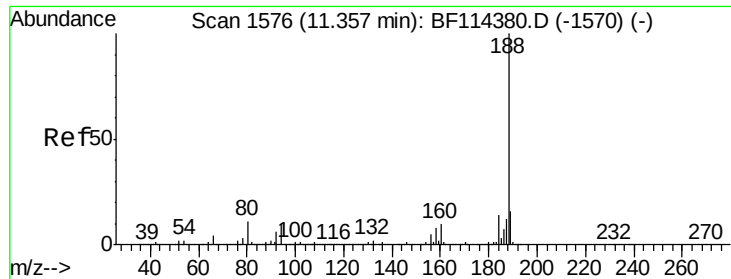
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#45
 2-Fluorobiphenyl
 Concen: 15.051 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF114348.D
 Acq: 17 May 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	423195		
171	34.7	30.7	46.1	
170	23.2	20.5	30.7	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF114348.D

Acq: 17 May 2019 14:34

Instrument :

BNA_F

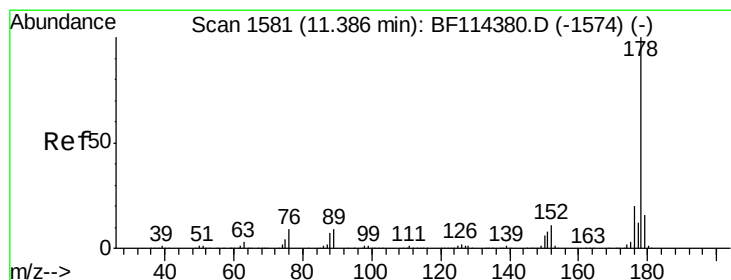
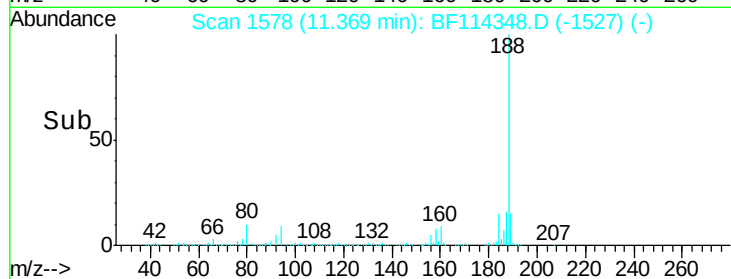
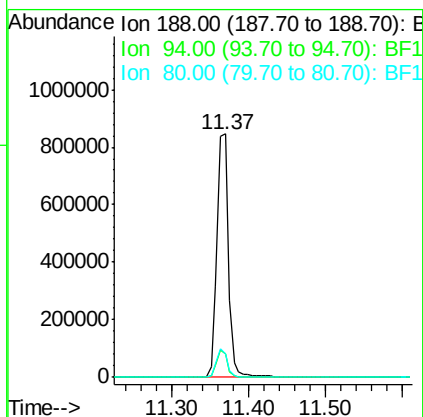
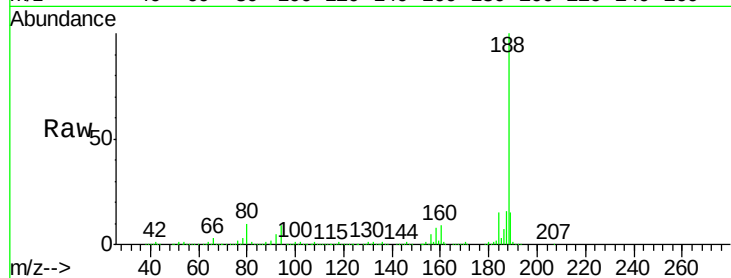
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Tgt Ion:	188	Resp:	861386
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.4	12.6
80	9.8	9.2	13.8

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#71

Phenanthrene

Concen: 6.097 ng

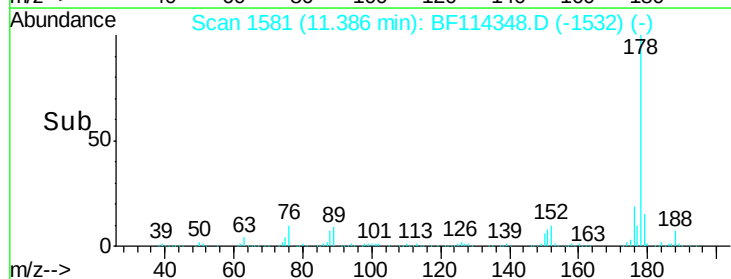
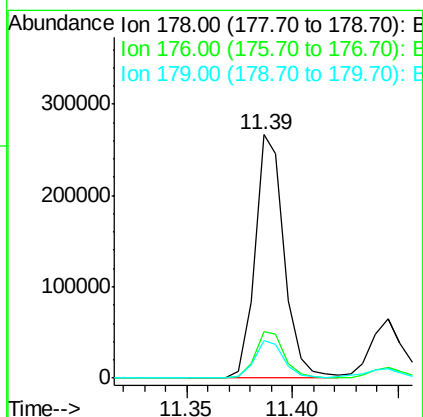
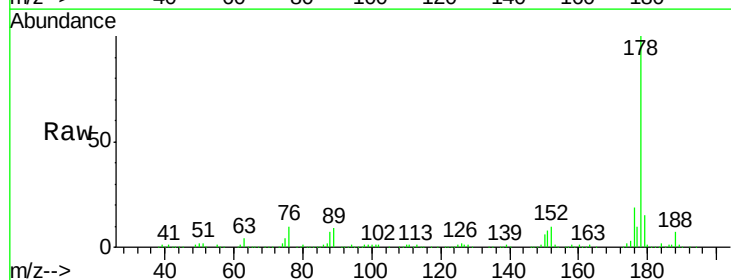
RT: 11.39 min Scan# 1581

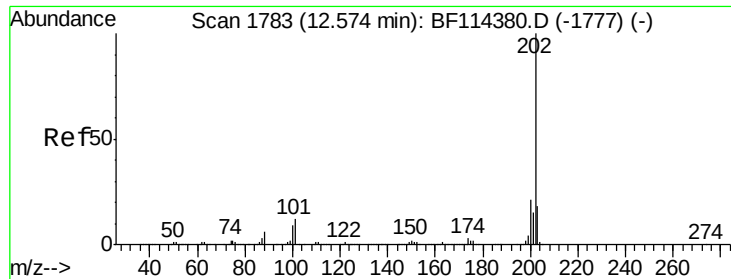
Delta R.T. -0.01 min

Lab File: BF114348.D

Acq: 17 May 2019 14:34

Tgt Ion:	178	Resp:	255497
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.4	24.6
179	15.5	13.2	19.8





#75

Fluoranthene

Concen: 10.325 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114348.D

Acq: 17 May 2019 14:34

Instrument :

BNA_F

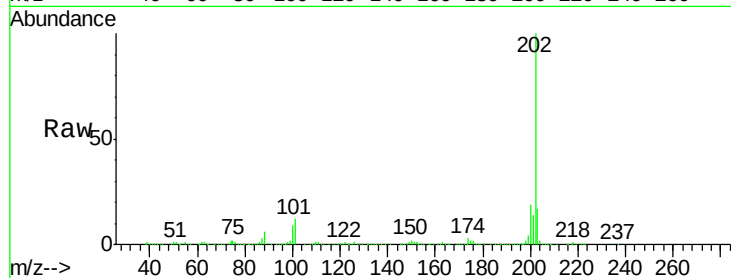
ClientSampleId :

EO-01-051519-A

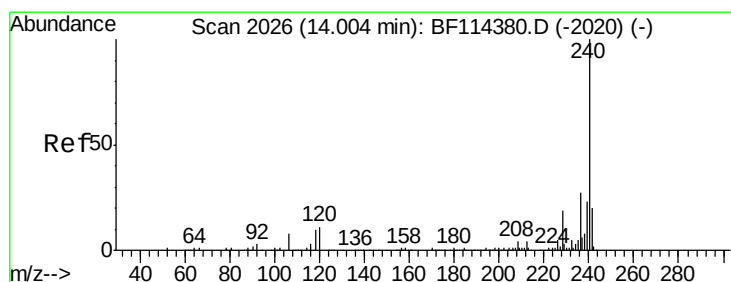
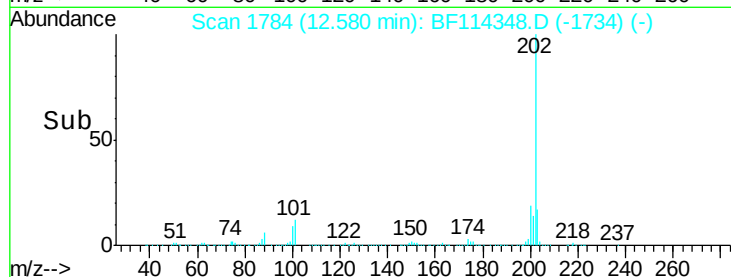
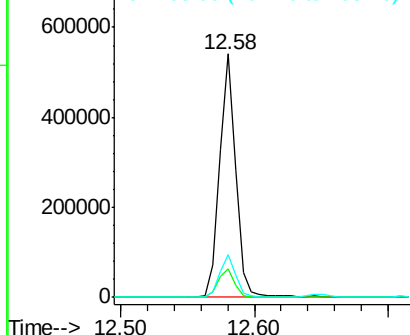
Tgt Ion:	202	Resp:	465966
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	31.0
203	17.3	0.0	38.4

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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: 14.01 min Scan# 2027

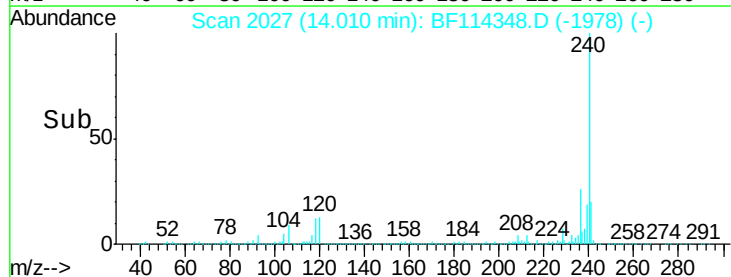
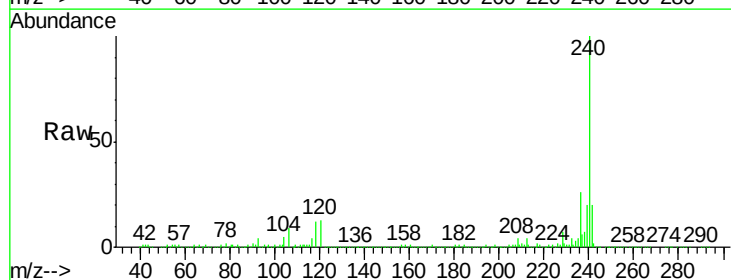
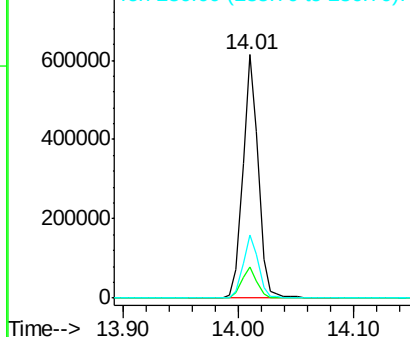
Delta R.T. -0.01 min

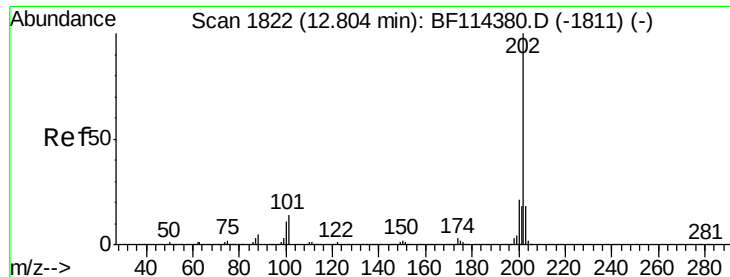
Lab File: BF114348.D

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Tgt Ion:	240	Resp:	565644
Ion Ratio	Lower	Upper	
240	100		
120	12.8	8.3	12.5#
236	25.9	20.8	31.2

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





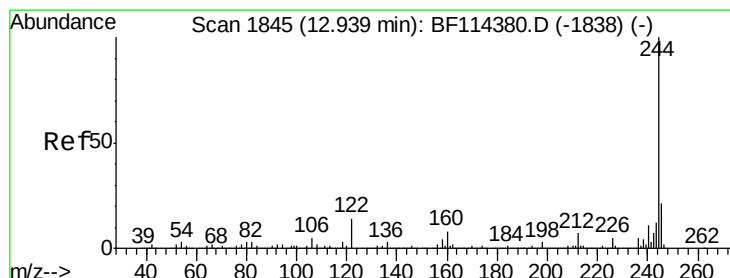
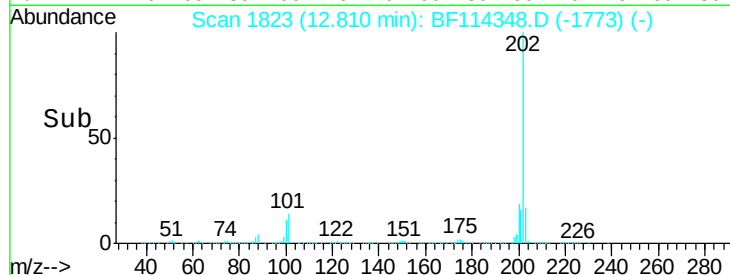
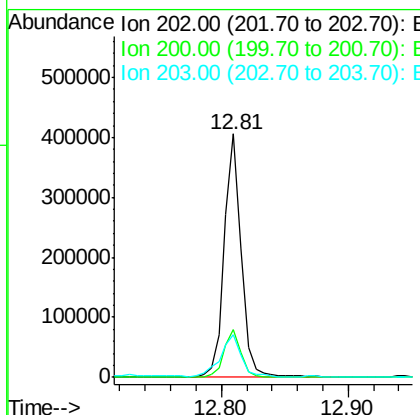
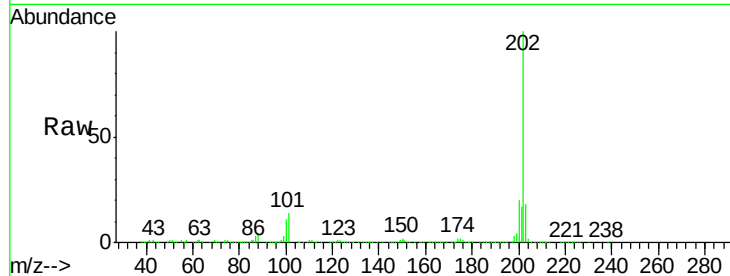
#78
 Pyrene
 Concen: 8.232 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF114348.D
 Acq: 17 May 2019 14:34

Instrument :
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 EO-01-051519-A

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.9	25.3
203	17.6	14.5	21.7

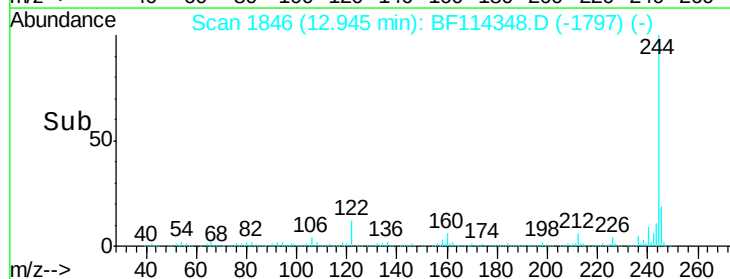
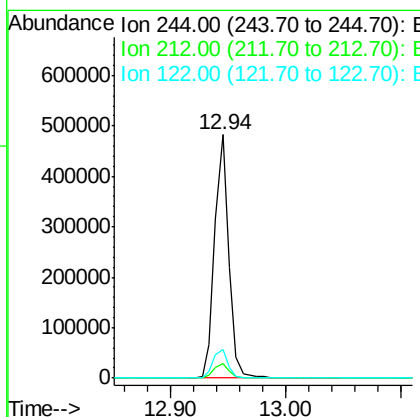
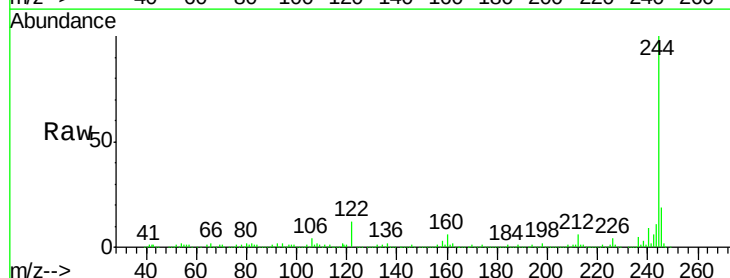
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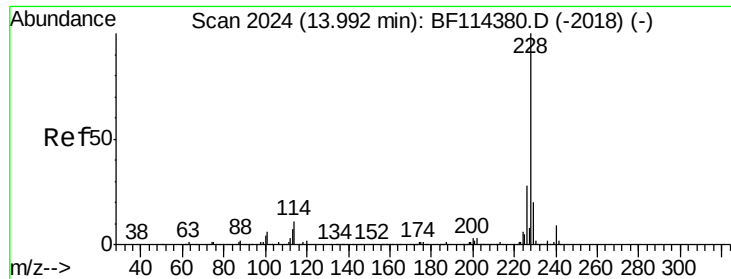
mohammad
 5/21/2019 2:15:45 PM



#79
 Terphenyl-d14
 Concen: 14.937 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF114348.D
 Acq: 17 May 2019 14:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.8	8.6
122	11.7	9.4	14.2





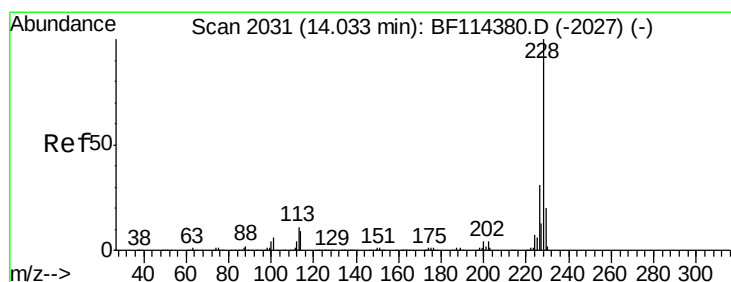
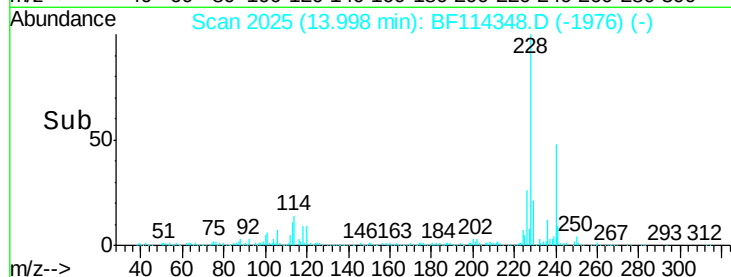
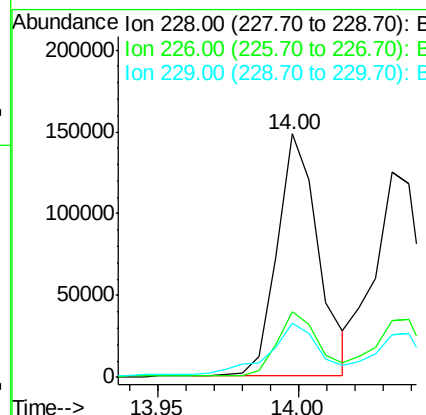
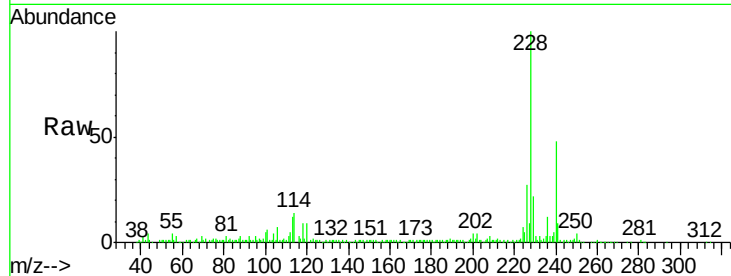
#81
Benzo(a)anthracene
Concen: 4.116 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF114348.D
Acq: 17 May 2019 14:34

Instrument :
BNA_F
ClientSampleId :
EO-01-051519-A

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	150600		
226	27.0	22.2	33.2	
229	22.2	16.4	24.6	

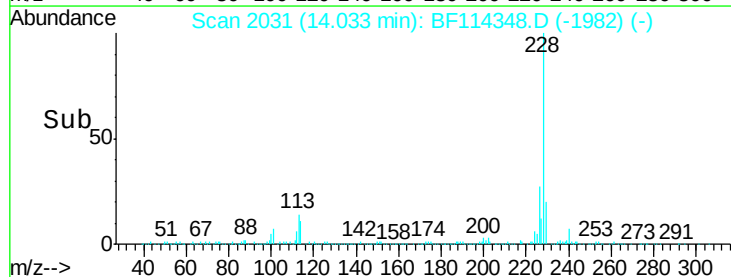
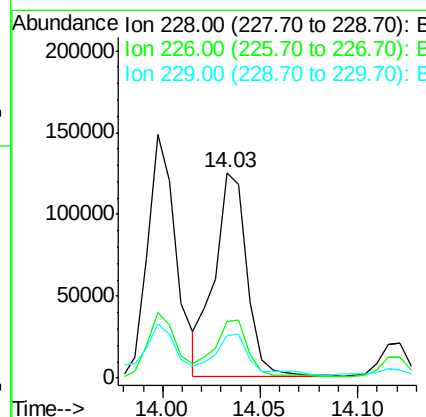
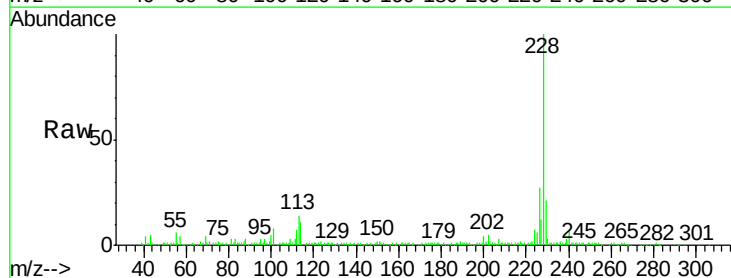
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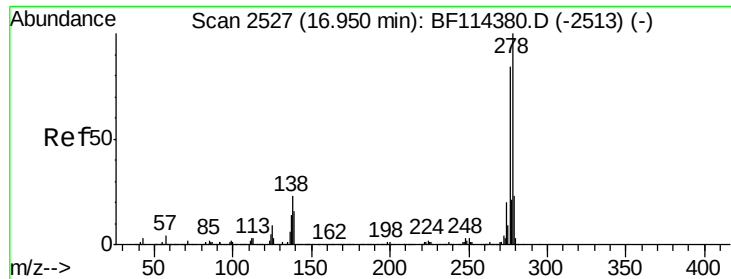
mohammad
5/21/2019 2:15:45 PM



#83
Chrysene
Concen: 4.055 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF114348.D
Acq: 17 May 2019 14:34

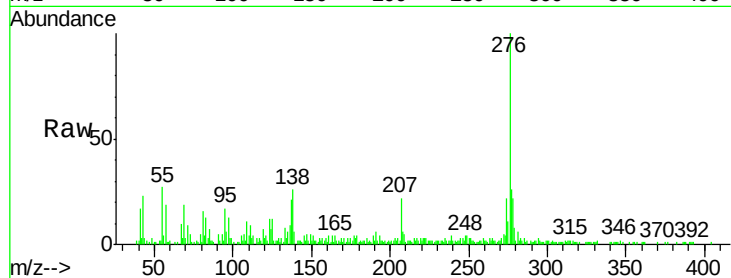
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	145442		
226	27.5	25.0	37.6	
229	21.0	17.0	25.6	





#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.578 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.00 min
 Lab File: BF114348.D
 Acq: 17 May 2019 14:34

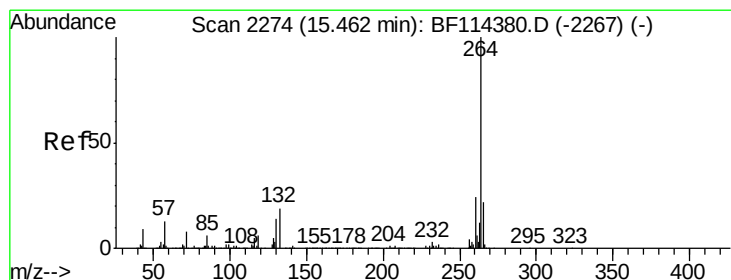
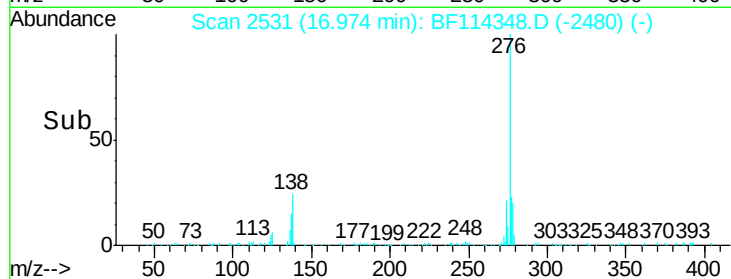
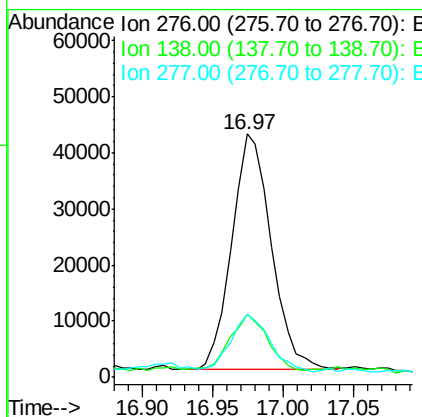
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-051519-A



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	81721		
138	22.4	20.2	30.2	
277	24.4	20.0	30.0	

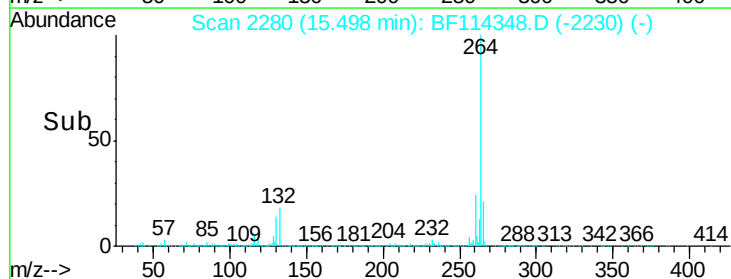
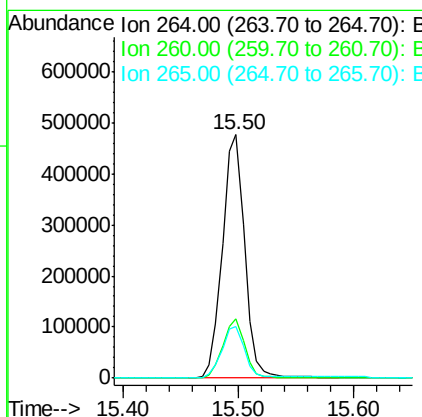
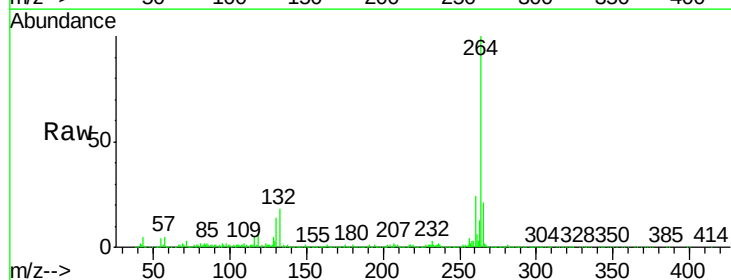
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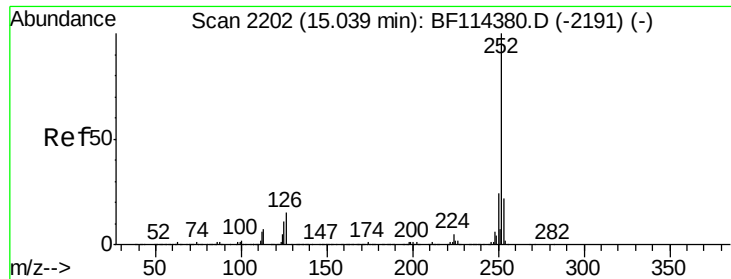
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF114348.D
 Acq: 17 May 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	635889		
260	24.3	19.4	29.0	
265	21.2	16.9	25.3	





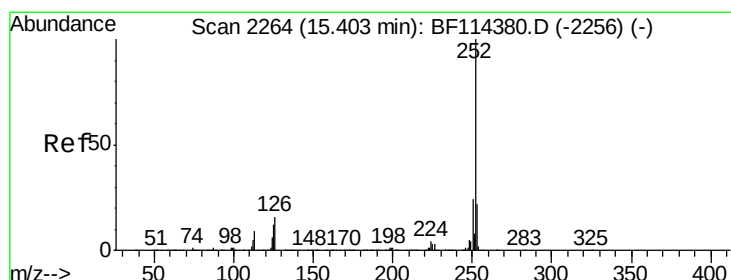
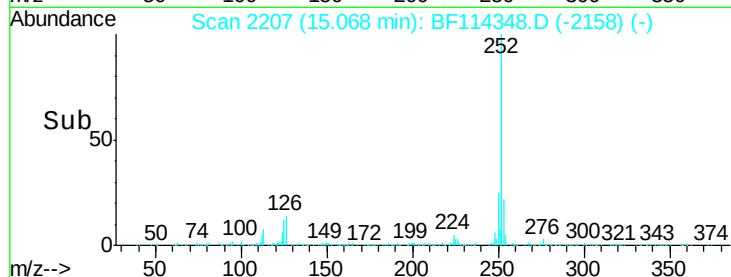
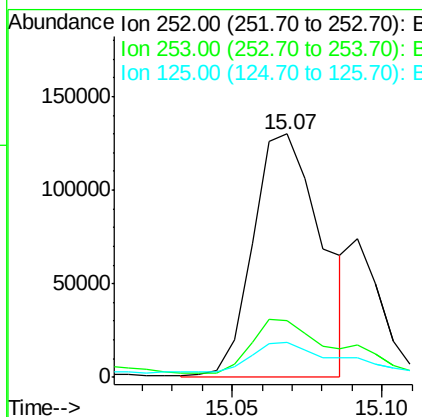
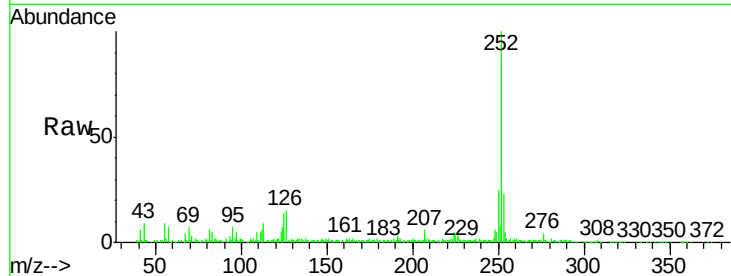
#88
Benzo(b)fluoranthene
Concen: 5.129 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF114348.D
Acq: 17 May 2019 14:34

Instrument :
BNA_F
ClientSampleId :
EO-01-051519-A

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	208929		
253	23.1	17.8	26.8	
125	14.2	8.3	12.5#	

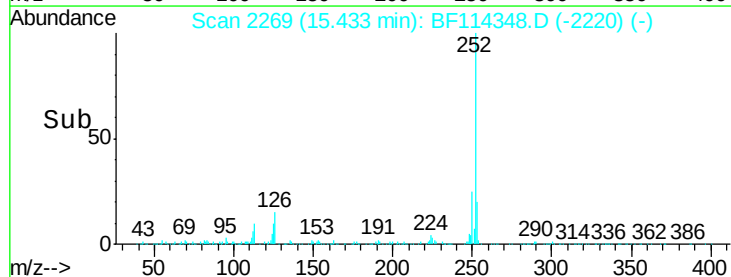
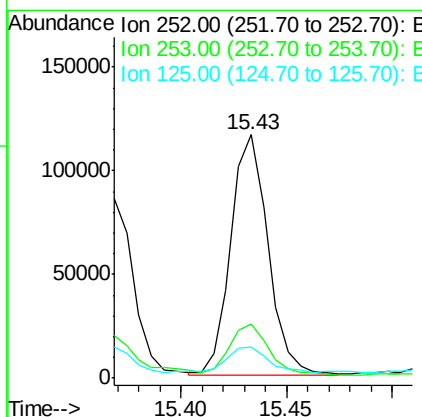
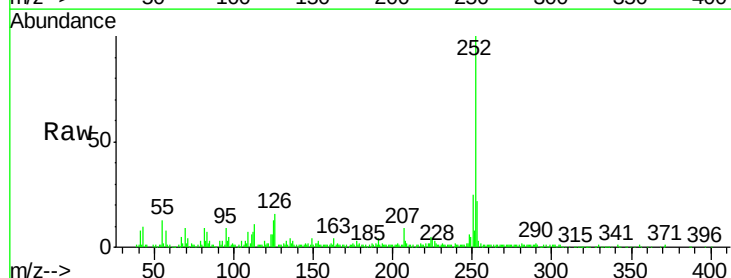
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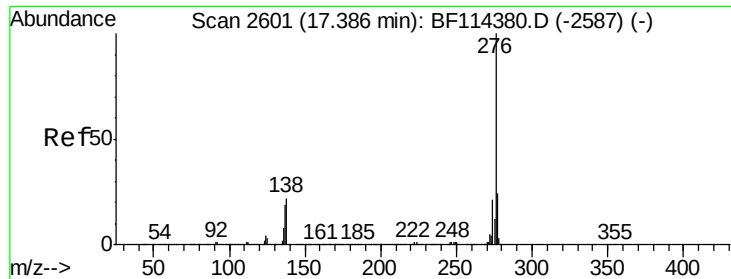
mohammad
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#90
Benzo(a)pyrene
Concen: 3.980 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF114348.D
Acq: 17 May 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	142711		
253	22.2	18.1	27.1	
125	12.7	9.5	14.3	





#92

Benzo(g,h,i)perylene

Concen: 2.690 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.01 min

Lab File: BF114348.D

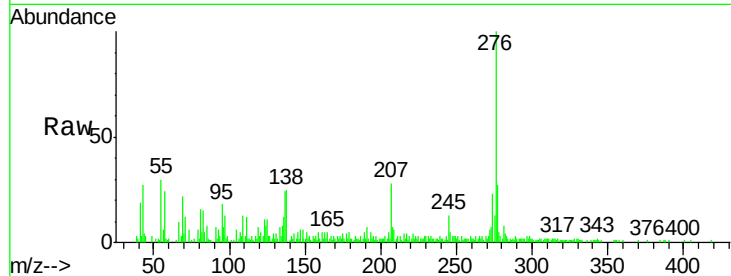
Acq: 17 May 2019 14:34

Instrument :

BNA_F

ClientSampleId :

EO-01-051519-A



Tgt Ion:	276	Resp:	80327
Ion Ratio	Lower	Upper	
276	100		
277	26.7	19.0	28.4
138	24.6	17.8	26.6

Manual Integrations
APPROVED

mohammad
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