

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
 Data File : BF114469.D
 Acq On : 21 May 2019 21:09
 Operator : JU/SJ
 Sample : K2647-09 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-051719

Manual Integrations
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 5/23/2019 8:15:51 AM

Quant Time: May 22 07:38:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	217596	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	854589	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	381930	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	627280	20.00	ng	0.00
76) Chrysene-d12	14.00	240	443935	20.00	ng	0.00
87) Perylene-d12	15.47	264	357260	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	573940	42.45	ng	-0.01
7) Phenol-d6	6.47	99	758545	47.43	ng	-0.02
23) Nitrobenzene-d5	7.39	82	445882	29.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	139281	35.27	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	836382	33.13	ng	0.00
79) Terphenyl-d14	12.93	244	623752	28.96	ng	0.00

Target Compounds				Qvalue		
49) Acenaphthylene	9.73	152	156462	4.143	ng	97
50) Dimethylphthalate	9.58	163	121575	4.336	ng	99
52) Acenaphthene	9.90	154	58599	2.528	ng	97
55) Dibenzofuran	10.07	168	83328	2.452	ng	98
58) Fluorene	10.42	166	125045	4.764	ng	99
71) Phenanthrene	11.38	178	698465	22.887	ng	97
72) Anthracene	11.43	178	252669	8.243	ng	98
75) Fluoranthene	12.57	202	1194106	36.335	ng	99
78) Pyrene	12.80	202	1095871	30.686	ng	99
81) Benzo(a)anthracene	13.99	228	591762	20.609	ng	96
83) Chrysene	14.02	228	519408	18.453	ng	96
86) Indeno(1,2,3-cd)pyrene	16.94	276	200044	8.042	ng	96
88) Benzo(b)fluoranthene	15.04	252	697083m	30.456	ng	
89) Benzo(k)fluoranthene	15.07	252	160316m	7.625	ng	
90) Benzo(a)pyrene	15.41	252	420957	20.898	ng	97
91) Dibenzo(a,h)anthracene	16.94	278	57241	3.420	ng	# 84
92) Benzo(g,h,i)perylene	17.39	276	186447	11.115	ng	99

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

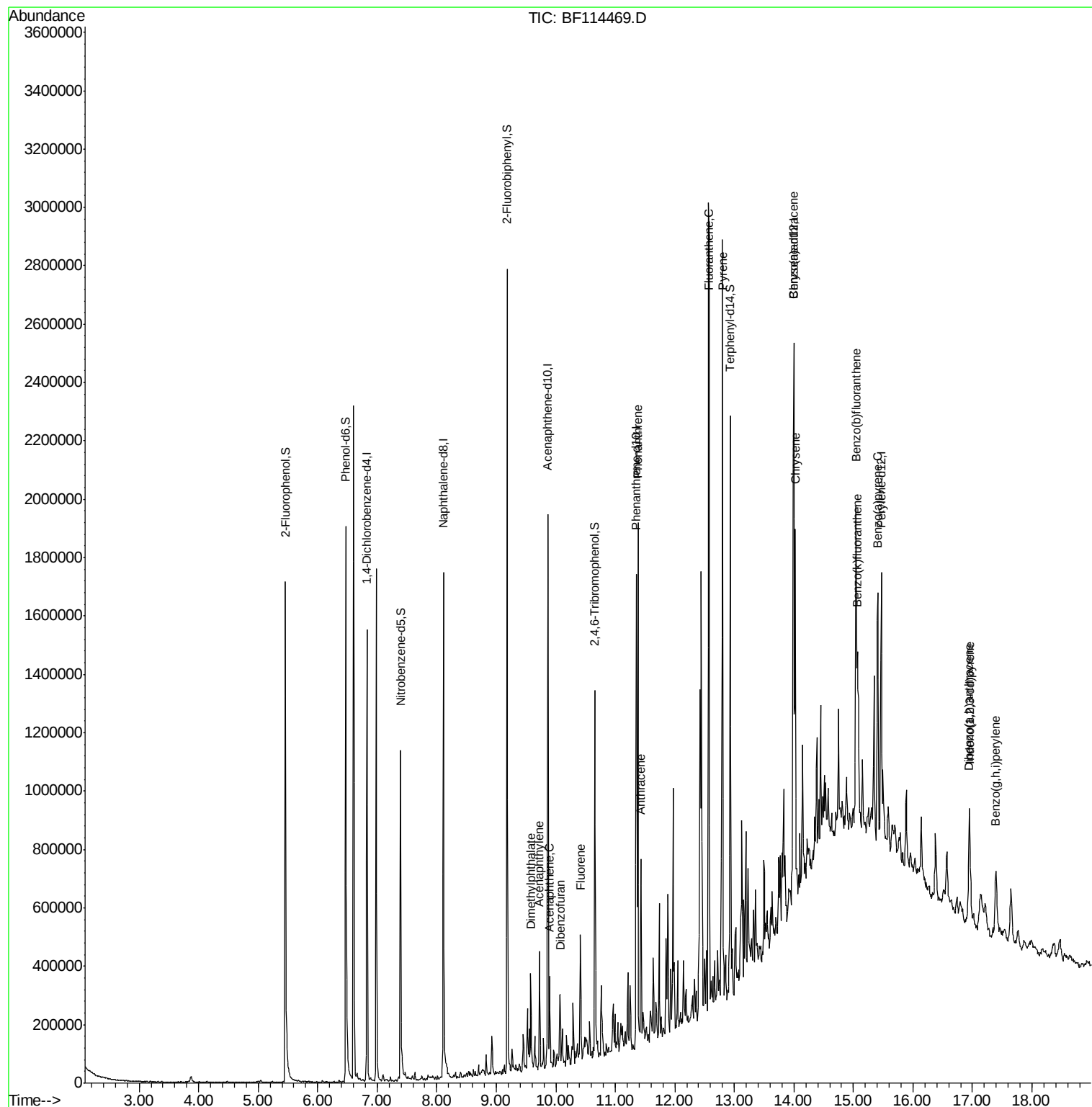
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
Data File : BF114469.D
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ALS Vial : 22 Sample Multiplier: 1

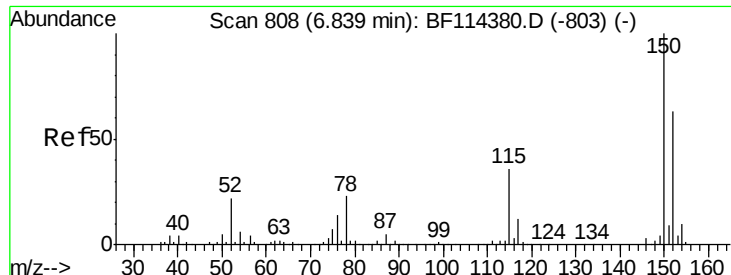
Instrument :
BNA_F
ClientSampleId :
SU-01-051719

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#1

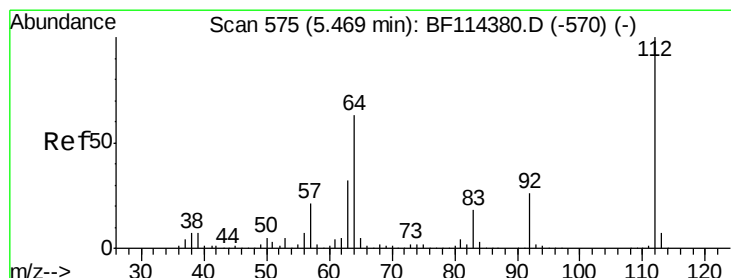
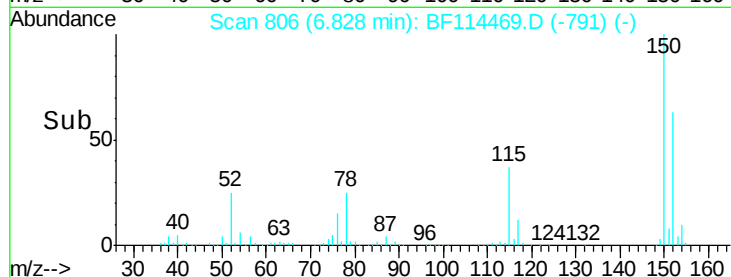
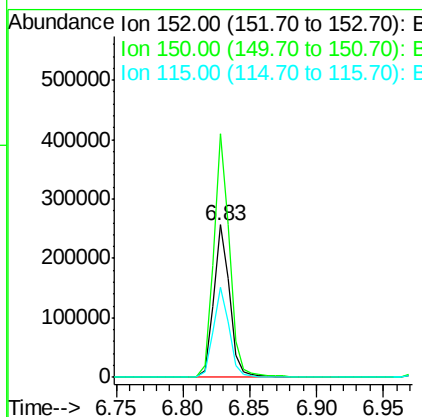
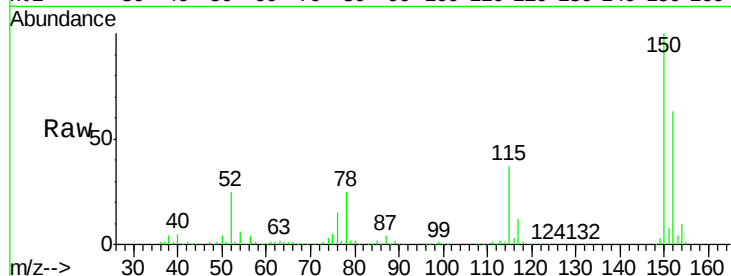
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114469.D
Acq: 21 May 2019 21:09

Instrument :
BNA_F
ClientSampled :
SU-01-051719

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.3	186.5
115	59.2	49.1	73.7

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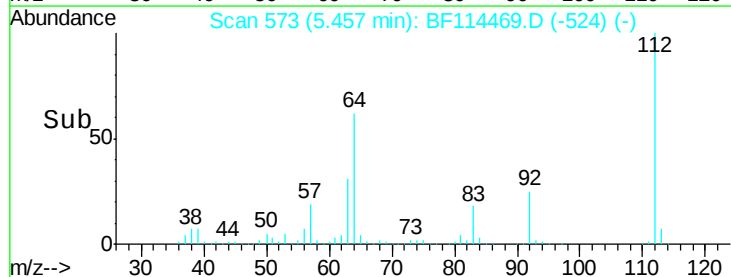
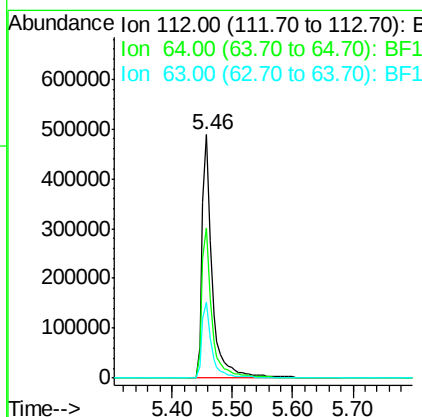
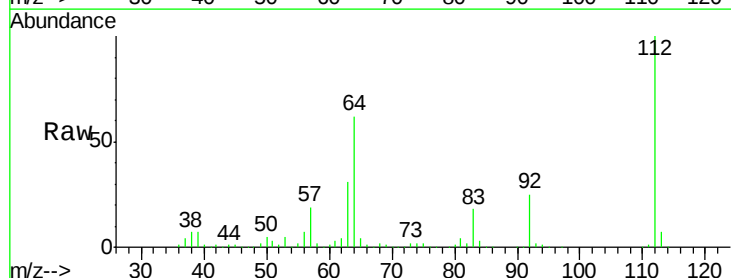
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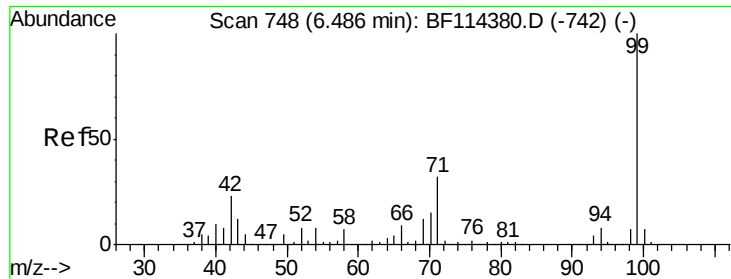


#5

2-Fluorophenol
Concen: 42.447 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF114469.D
Acq: 21 May 2019 21:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	49.0	73.6
63	31.0	24.6	37.0





#7

Phenol-d6

Concen: 47.432 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF114469.D

Acq: 21 May 2019 21:09

Instrument :

BNA_F

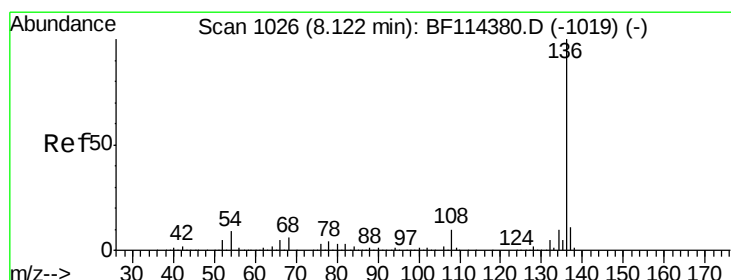
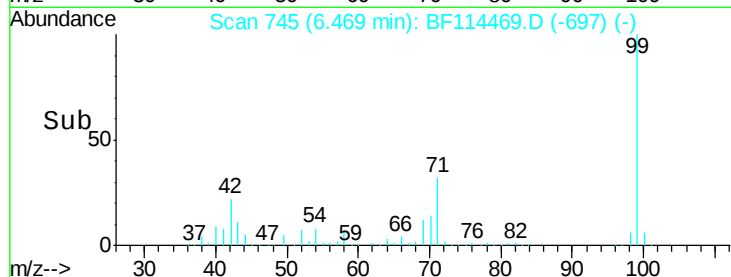
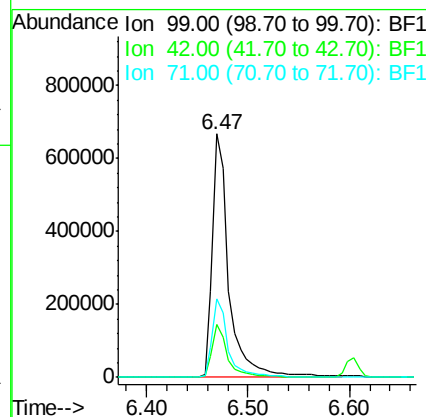
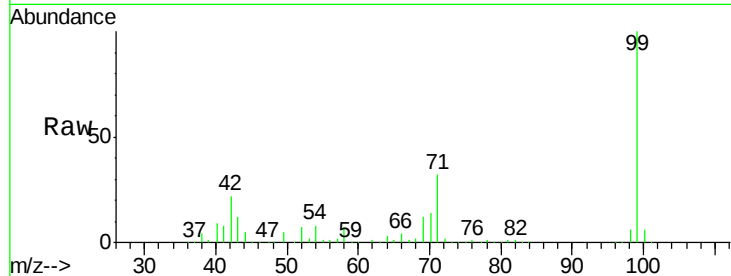
ClientSampleId :

SU-01-051719

Tgt Ion:	99	Resp:	758545
Ion Ratio	Lower	Upper	
99	100		
42	21.8	17.9	26.9
71	32.0	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

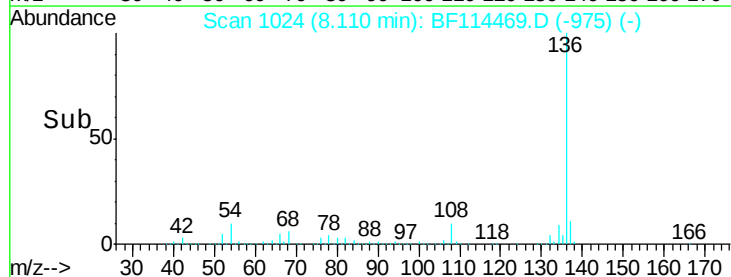
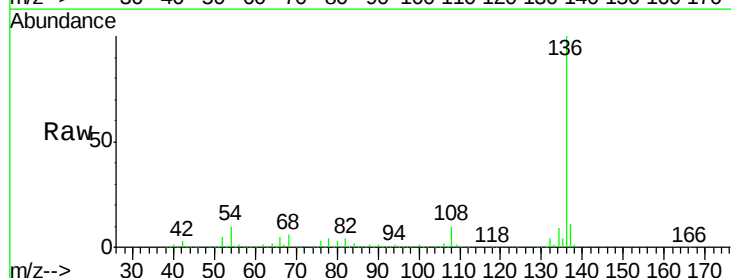
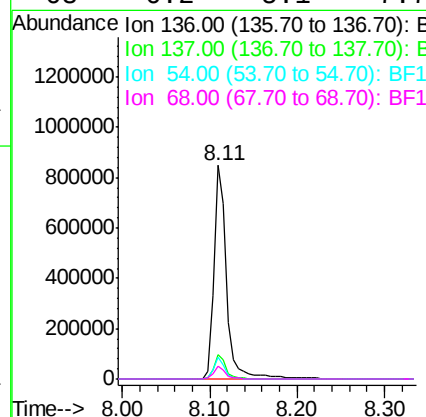
RT: 8.11 min Scan# 1024

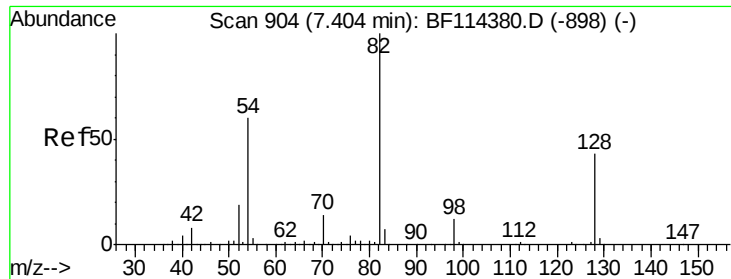
Delta R.T. -0.01 min

Lab File: BF114469.D

Acq: 21 May 2019 21:09

Tgt Ion:	136	Resp:	854589
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	10.2	7.8	11.8
68	6.2	5.1	7.7





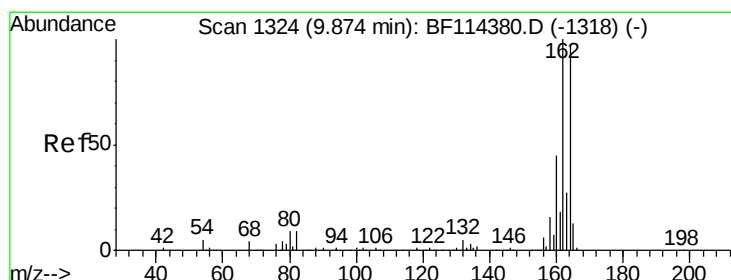
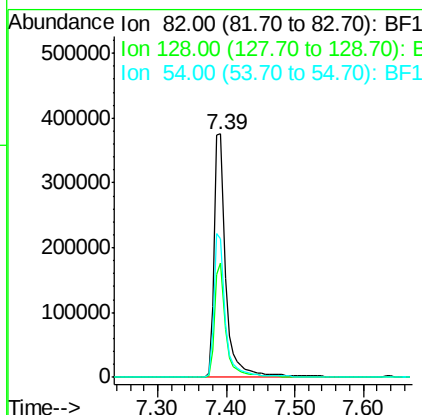
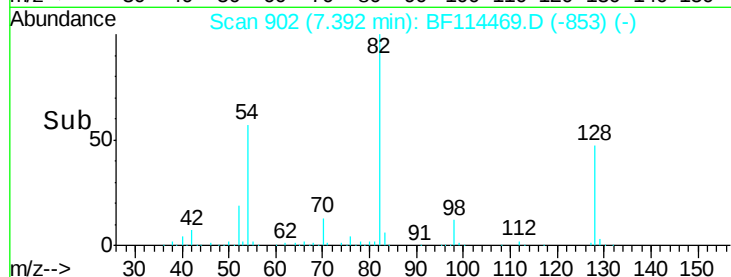
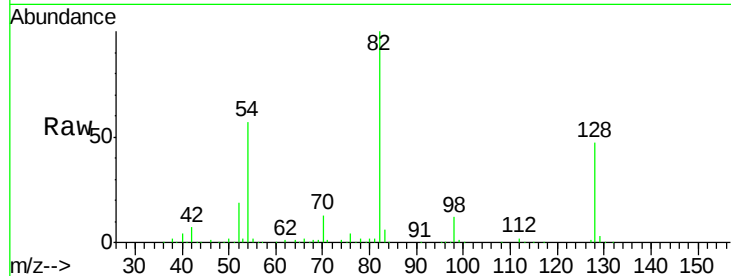
#23
Nitrobenzene-d5
Concen: 29.281 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF114469.D
Acq: 21 May 2019 21:09

Instrument :
BNA_F
ClientSampleId :
SU-01-051719

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	445882		
128	46.8	35.5	53.3	
54	56.9	48.5	72.7	

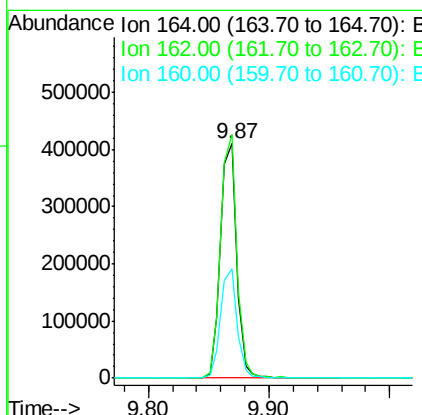
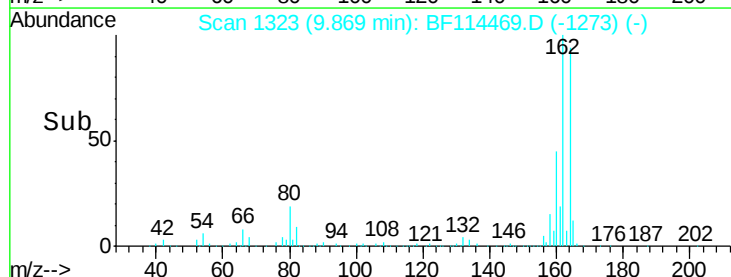
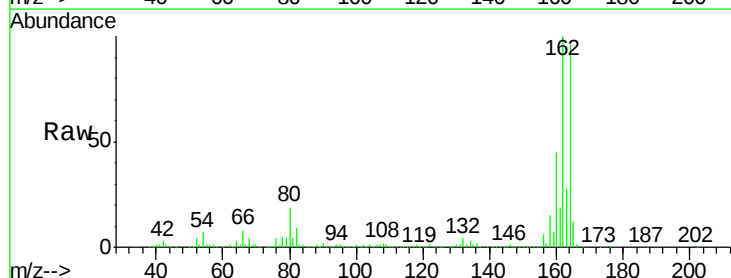
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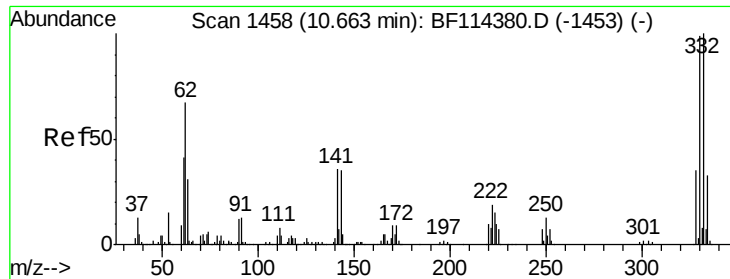
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF114469.D
Acq: 21 May 2019 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	381930		
162	103.8	80.6	120.8	
160	46.8	36.5	54.7	





#42

2,4,6-Tribromophenol

Concen: 35.274 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF114469.D

Acq: 21 May 2019 21:09

Instrument :

BNA_F

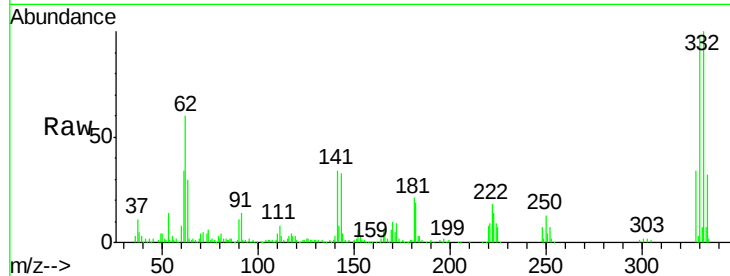
ClientSampleId :

SU-01-051719

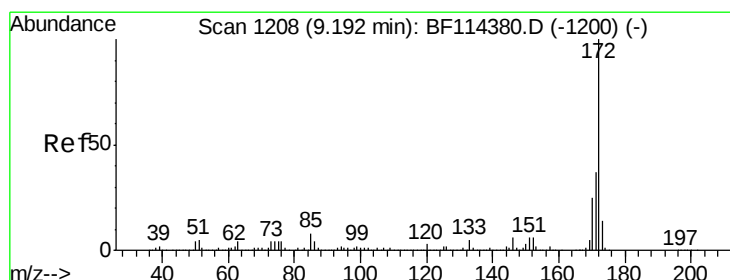
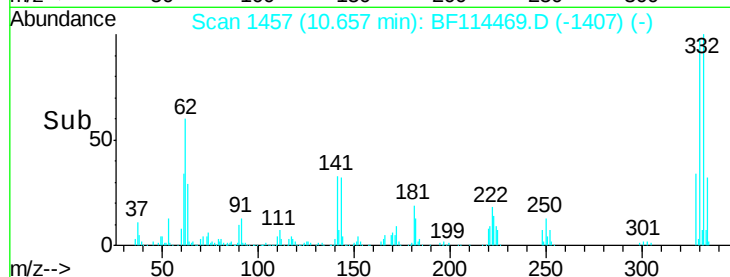
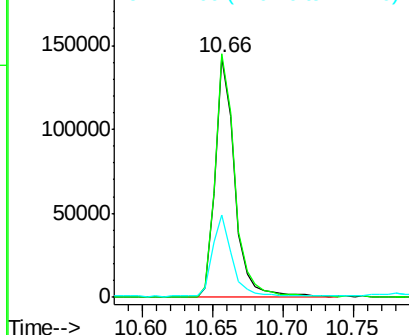
Tgt Ion:	330	Resp:	139281
Ion Ratio	Lower	Upper	
330	100		
332	102.6	81.4	122.2
141	33.5	26.6	40.0

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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: 33.126 ng

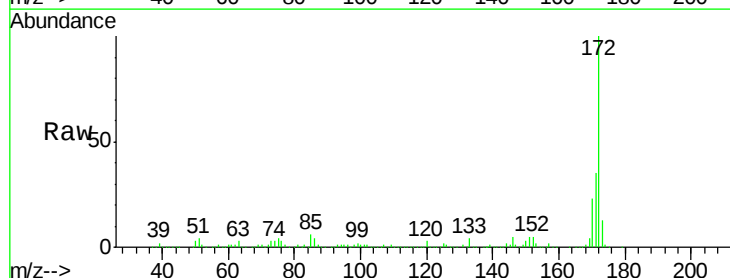
RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

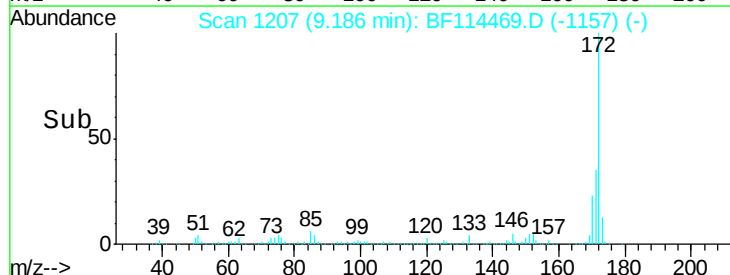
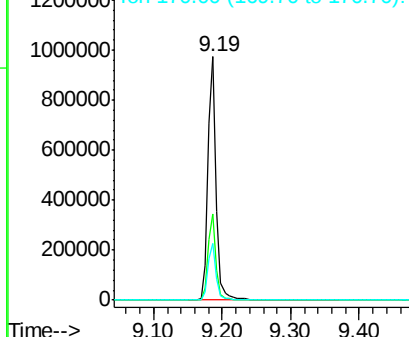
Lab File: BF114469.D

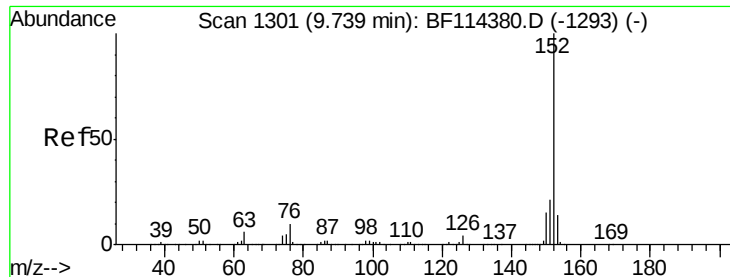
Acq: 21 May 2019 21:09

Tgt Ion:	172	Resp:	836382
Ion Ratio	Lower	Upper	
172	100		
171	35.5	30.7	46.1
170	23.5	20.5	30.7



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 4.143 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF114469.D

Acq: 21 May 2019 21:09

Instrument :

BNA_F

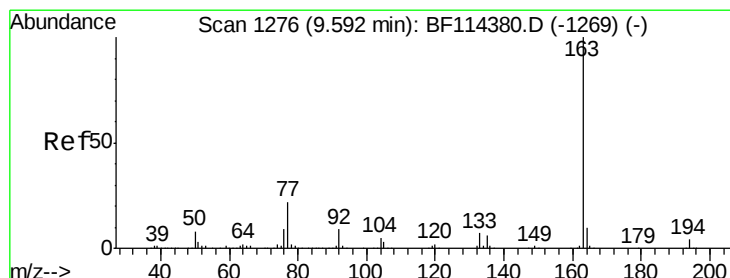
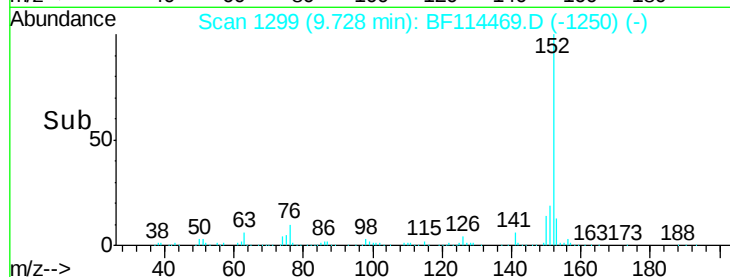
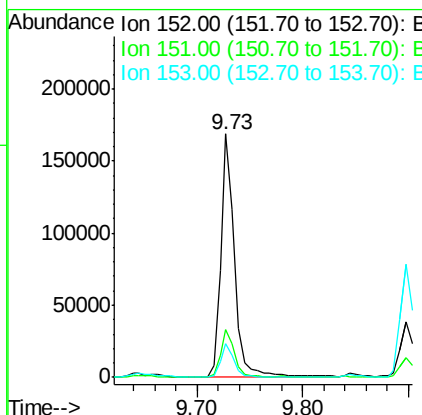
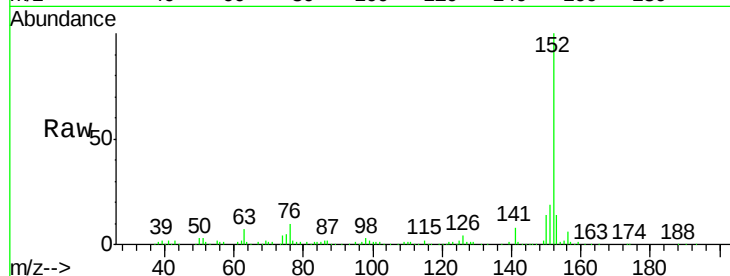
ClientSampleId :

SU-01-051719

Tgt Ion:	152	Resp:	156462
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.8	25.2
153	13.6	11.4	17.2

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#50

Dimethylphthalate

Concen: 4.336 ng

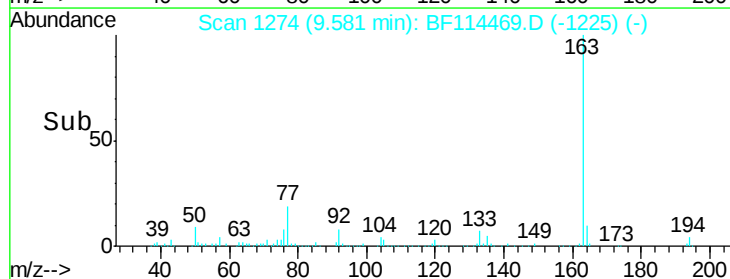
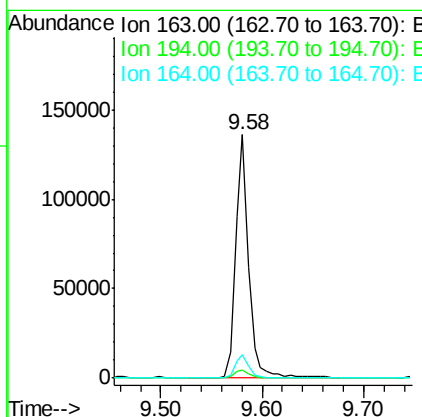
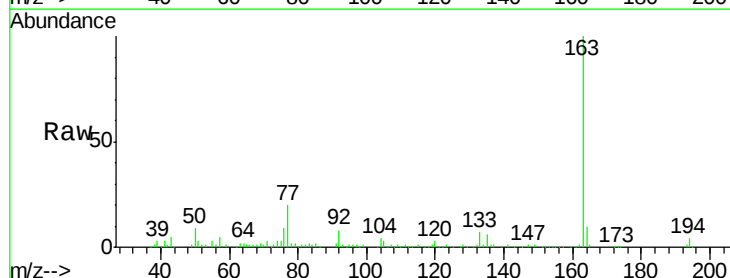
RT: 9.58 min Scan# 1274

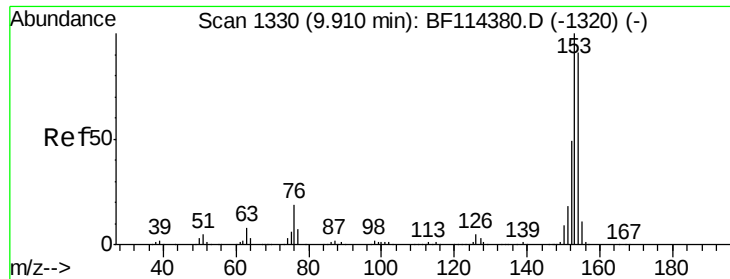
Delta R.T. -0.01 min

Lab File: BF114469.D

Acq: 21 May 2019 21:09

Tgt Ion:	163	Resp:	121575
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.4	5.0
164	9.9	8.2	12.2





#52

Acenaphthene

Concen: 2.528 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF114469.D

Acq: 21 May 2019 21:09

Instrument :

BNA_F

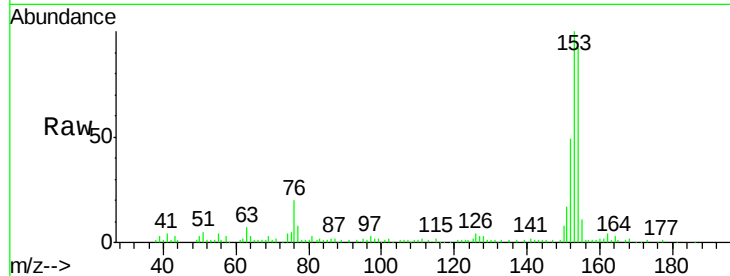
ClientSampled :

SU-01-051719

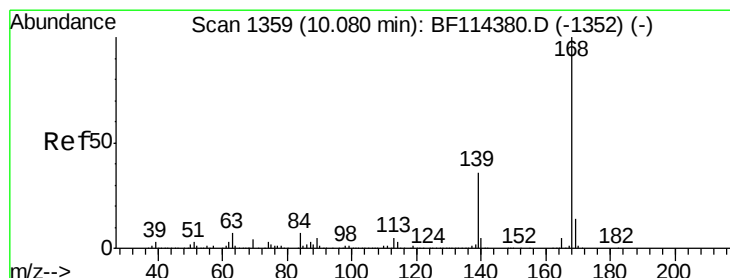
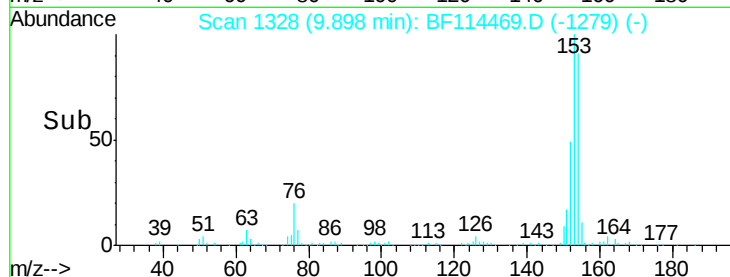
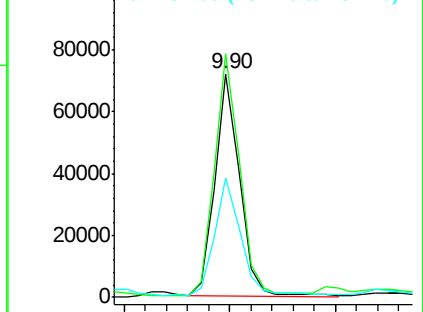
Tgt Ion:	154	Resp:	58599
Ion Ratio	Lower	Upper	
154	100		
153	109.0	90.5	135.7
152	53.7	43.4	65.2

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.452 ng

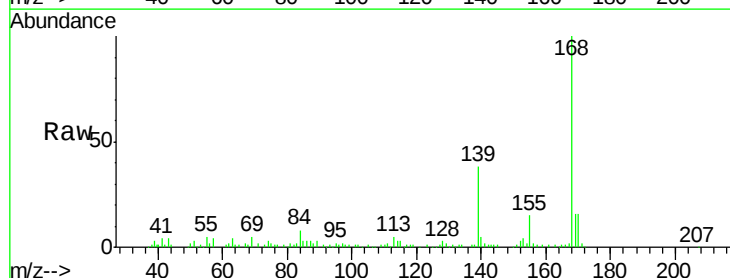
RT: 10.07 min Scan# 1358

Delta R.T. -0.01 min

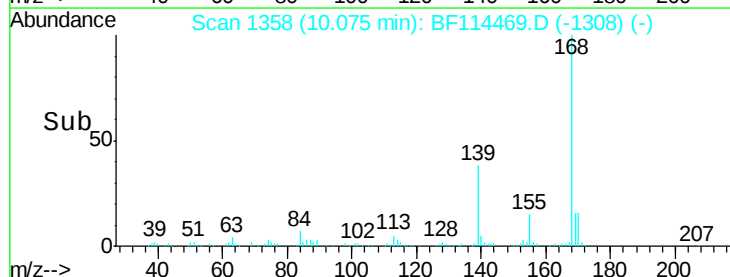
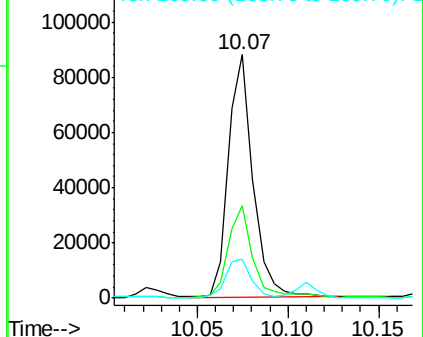
Lab File: BF114469.D

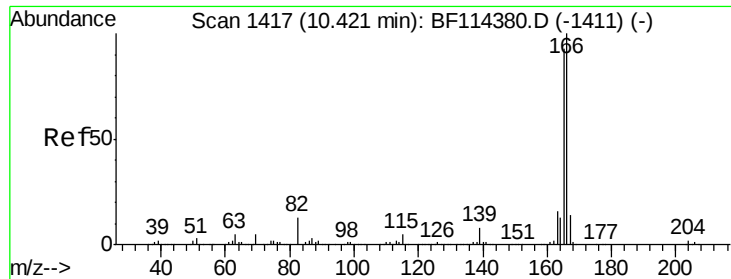
Acq: 21 May 2019 21:09

Tgt Ion:	168	Resp:	83328
Ion Ratio	Lower	Upper	
168	100		
139	38.2	31.1	46.7
169	15.8	11.4	17.0



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





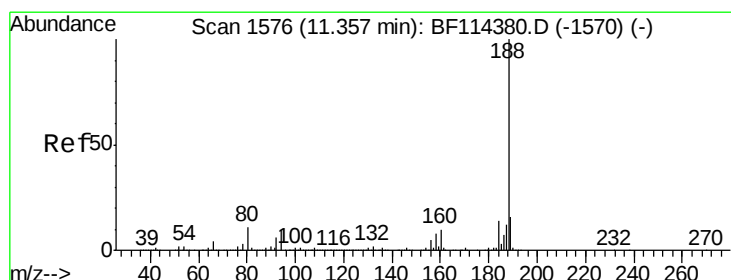
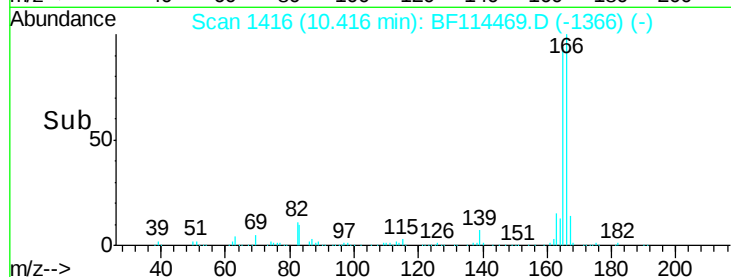
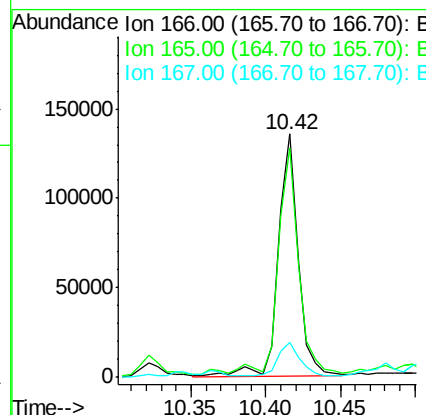
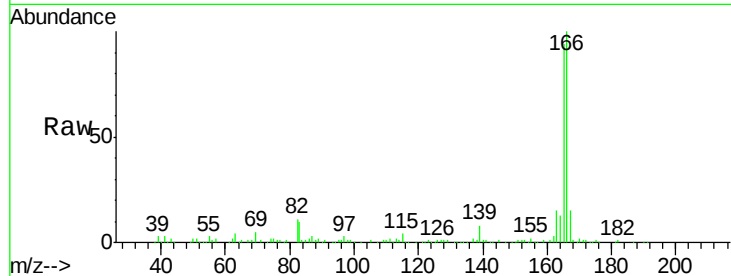
#58
 Fluorene
 Concen: 4.764 ng
 RT: 10.42 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: BF114469.D
 Acq: 21 May 2019 21:09

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-051719

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	125045		
165	94.5	76.1	114.1	
167	14.6	11.1	16.7	

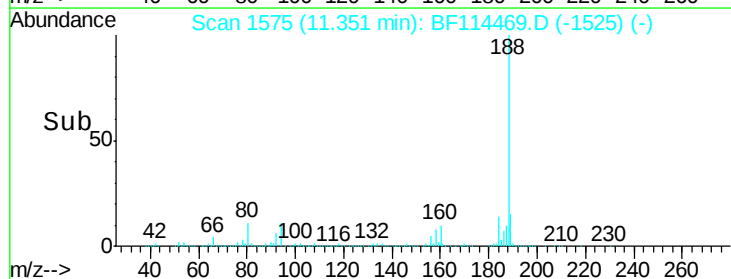
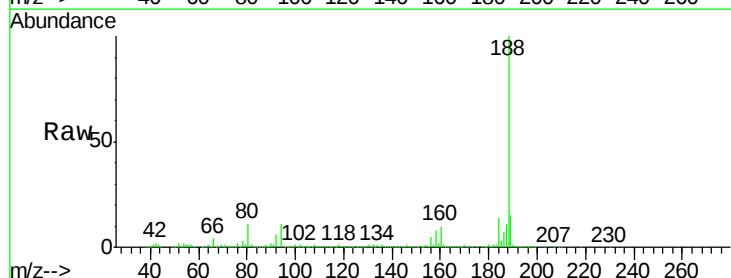
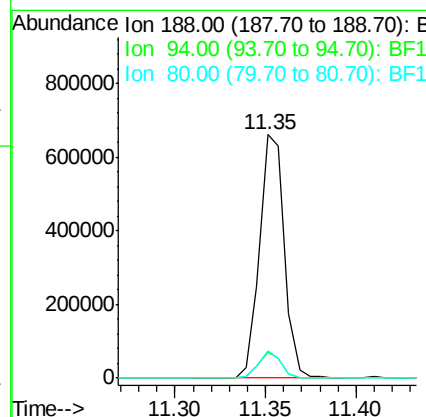
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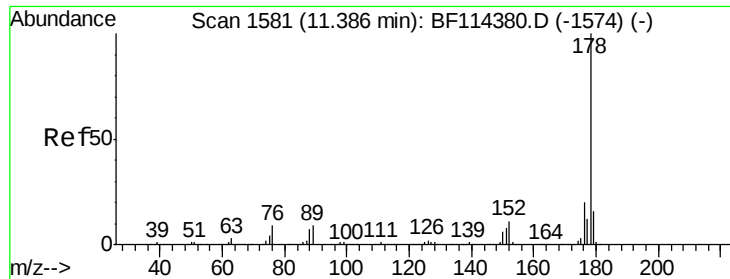
Sohil
 5/23/2019 8:15:51 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF114469.D
 Acq: 21 May 2019 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	627280		
94	10.6	8.4	12.6	
80	11.1	9.2	13.8	





#71

Phenanthrene

Concen: 22.887 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF114469.D

Acq: 21 May 2019 21:09

Instrument :

BNA_F

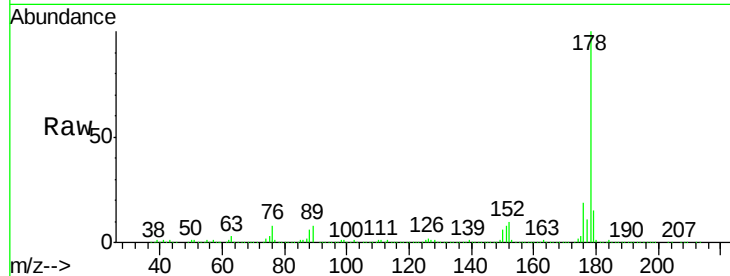
ClientSampled :

SU-01-051719

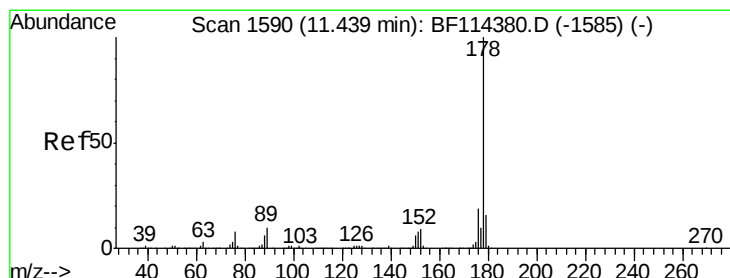
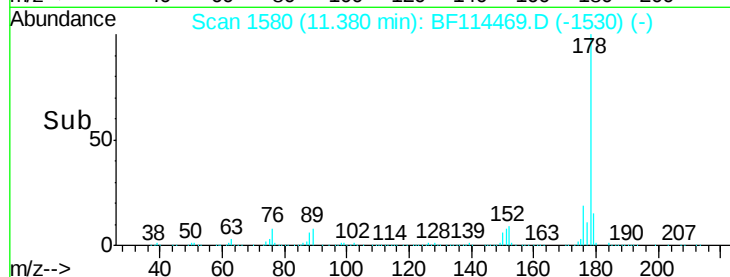
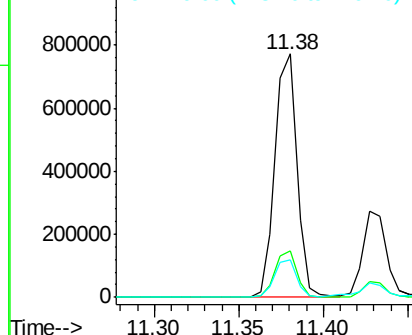
Tgt Ion:	178	Resp:	698465
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.4	24.6
179	15.3	13.2	19.8

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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: 8.243 ng

RT: 11.43 min Scan# 1588

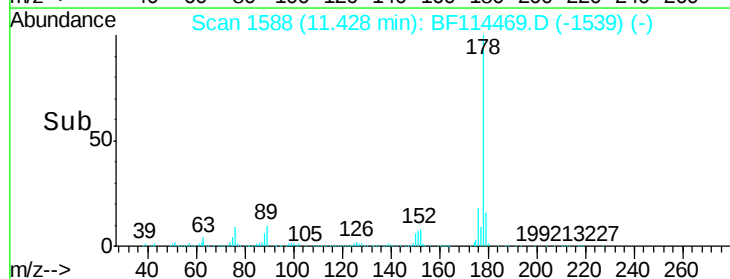
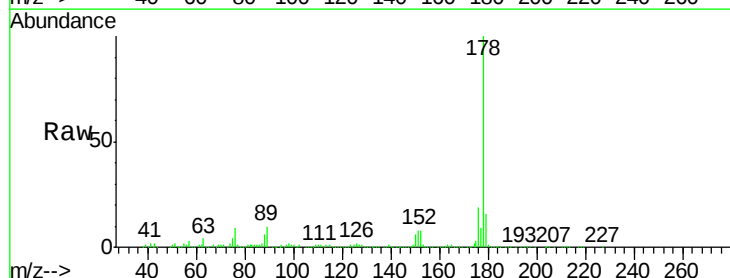
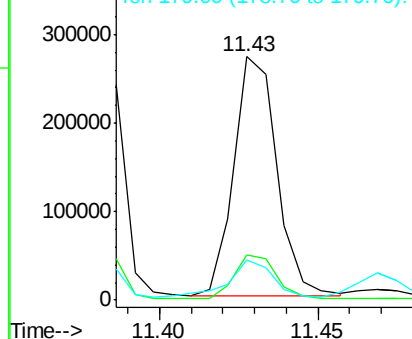
Delta R.T. -0.01 min

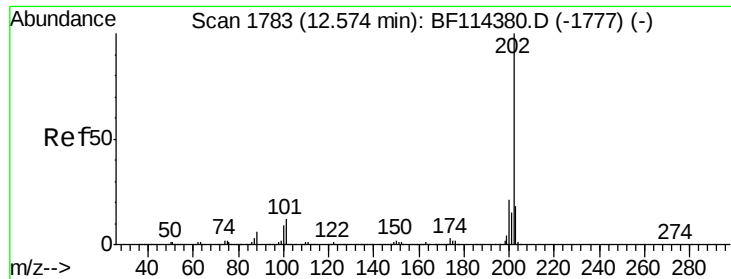
Lab File: BF114469.D

Acq: 21 May 2019 21:09

Tgt Ion:	178	Resp:	252669
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.8	23.8
179	16.3	13.0	19.4

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: 36.335 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF114469.D

Acq: 21 May 2019 21:09

Instrument :

BNA_F

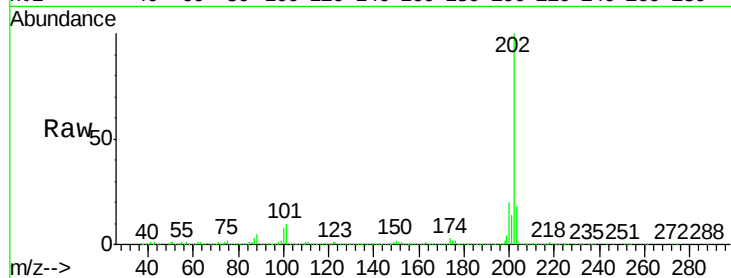
ClientSampleId :

SU-01-051719

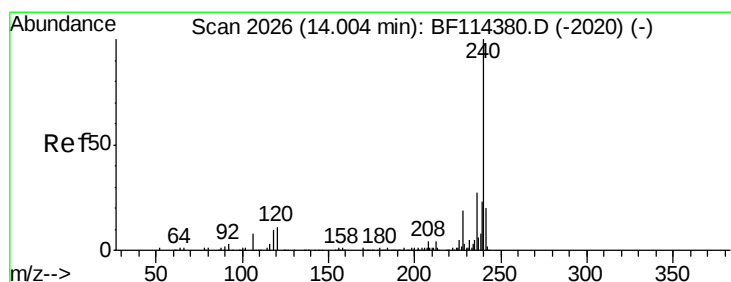
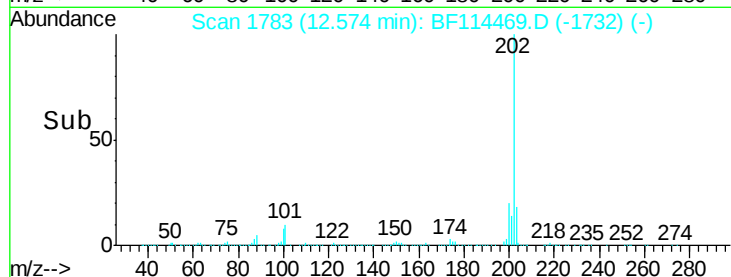
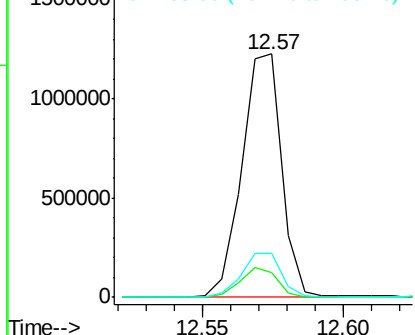
Tgt Ion:	202	Resp:	1194106
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	31.0
203	18.0	0.0	38.4

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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

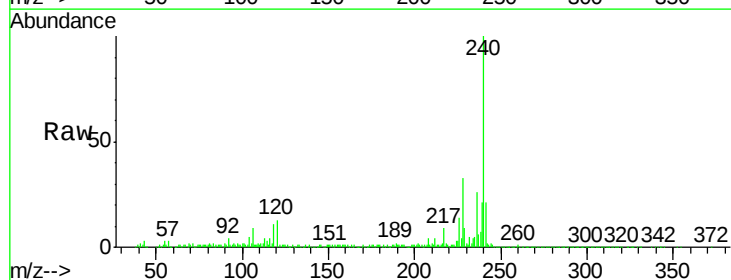
RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

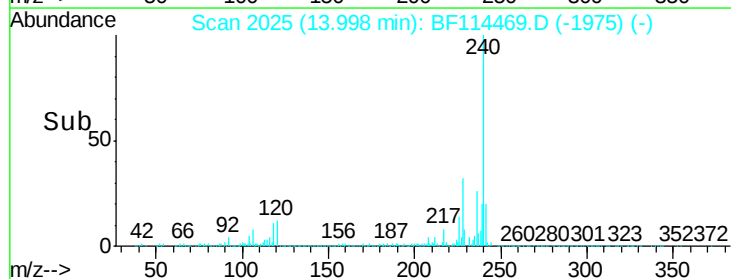
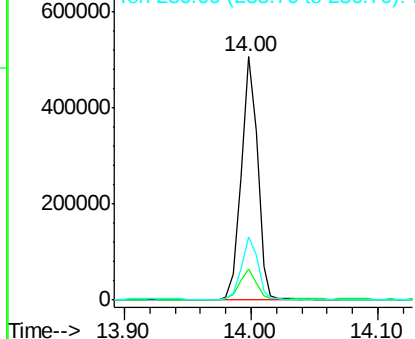
Lab File: BF114469.D

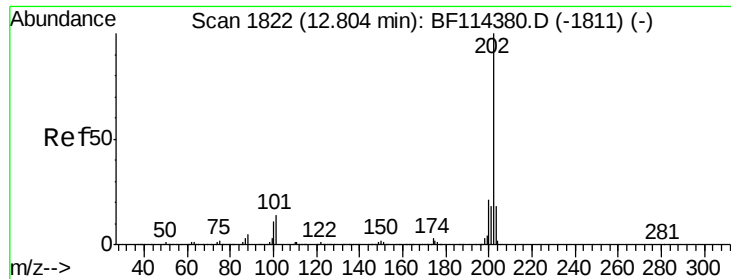
Acq: 21 May 2019 21:09

Tgt Ion:	240	Resp:	443935
Ion Ratio	Lower	Upper	
240	100		
120	12.6	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





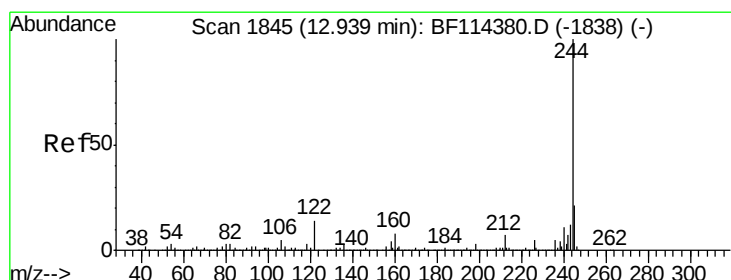
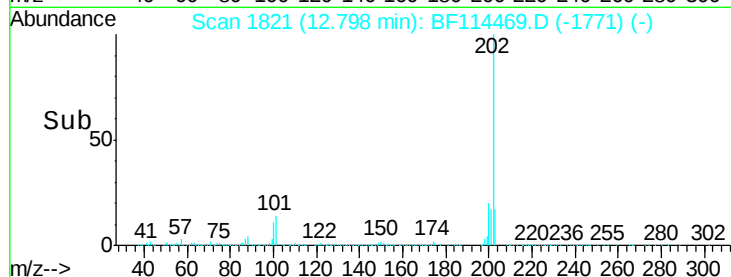
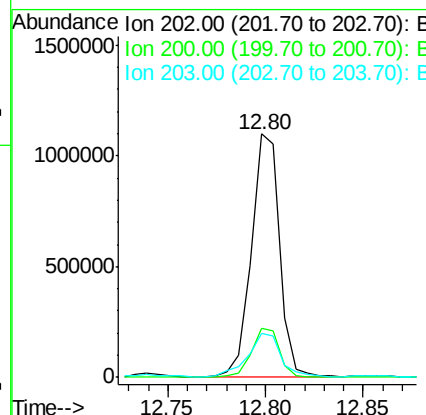
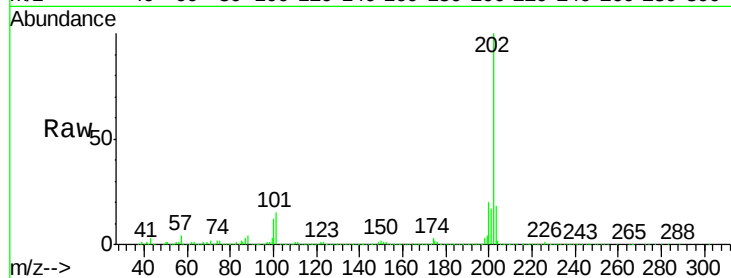
#78
Pyrene
Concen: 30.686 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF114469.D
Acq: 21 May 2019 21:09

Instrument :
BNA_F
ClientSampled :
SU-01-051719

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.9	25.3
203	17.9	14.5	21.7

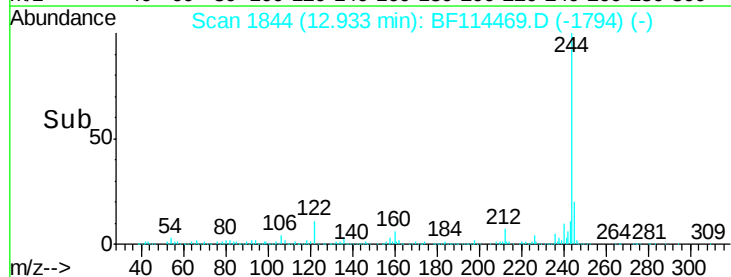
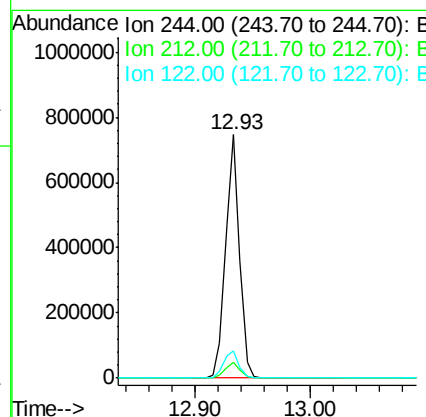
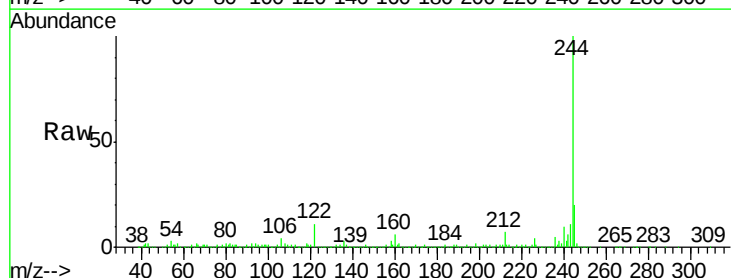
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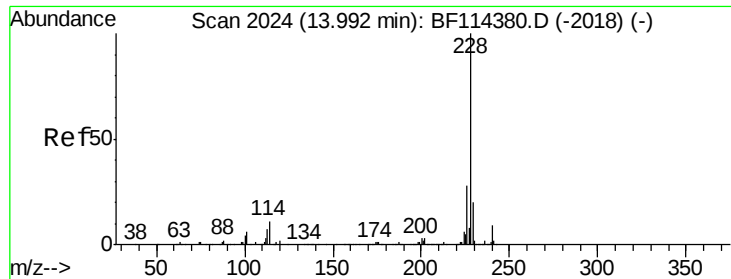
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#79
Terphenyl-d14
Concen: 28.964 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF114469.D
Acq: 21 May 2019 21:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	11.1	9.4	14.2





#81

Benzo(a)anthracene

Concen: 20.609 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF114469.D

Acq: 21 May 2019 21:09

Instrument :

BNA_F

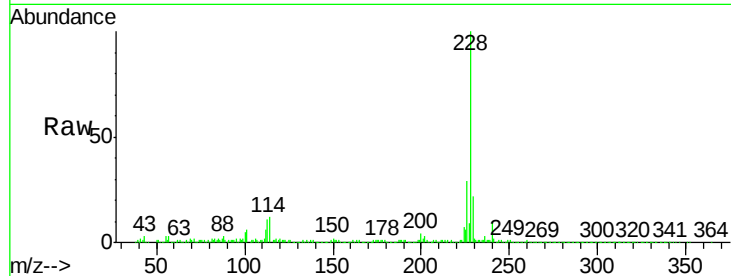
ClientSampleId :

SU-01-051719

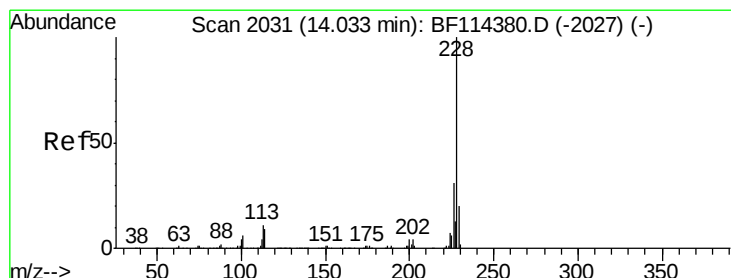
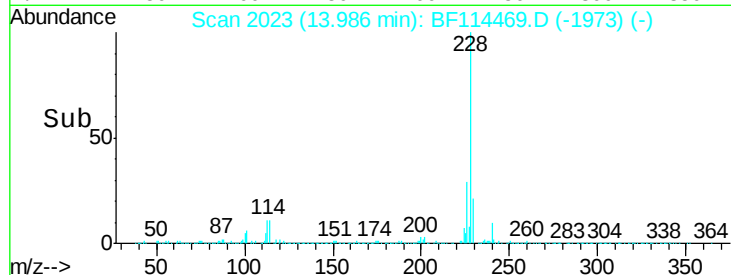
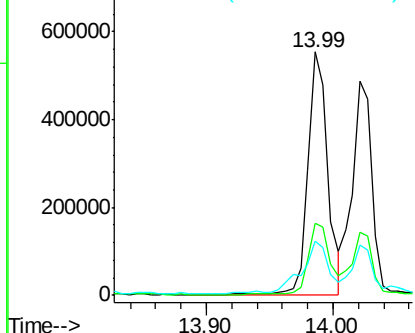
Tgt Ion:	228	Resp:	591762
Ion Ratio	Lower	Upper	
228	100		
226	29.4	22.2	33.2
229	22.4	16.4	24.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 18.453 ng

RT: 14.02 min Scan# 2029

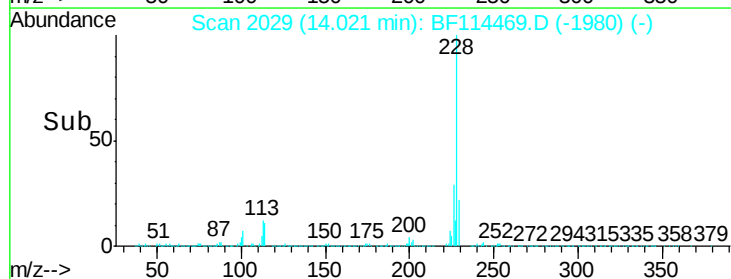
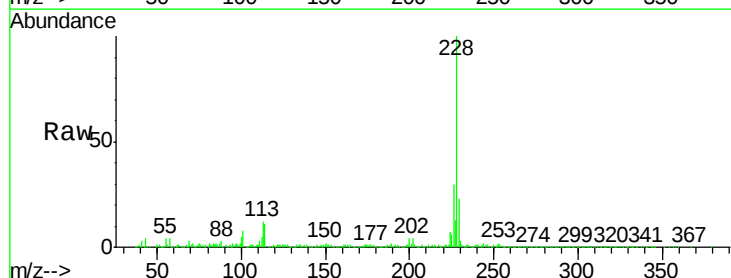
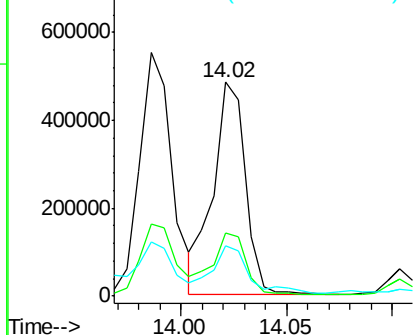
Delta R.T. -0.01 min

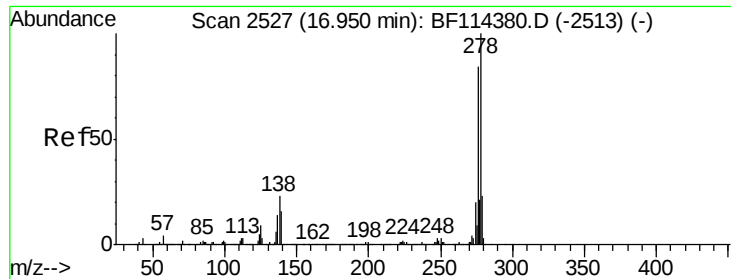
Lab File: BF114469.D

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Tgt Ion:	228	Resp:	519408
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.0	37.6
229	23.4	17.0	25.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





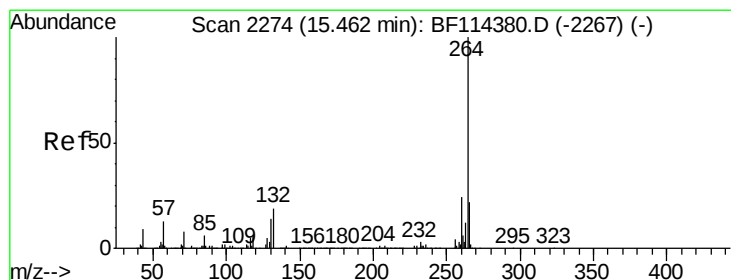
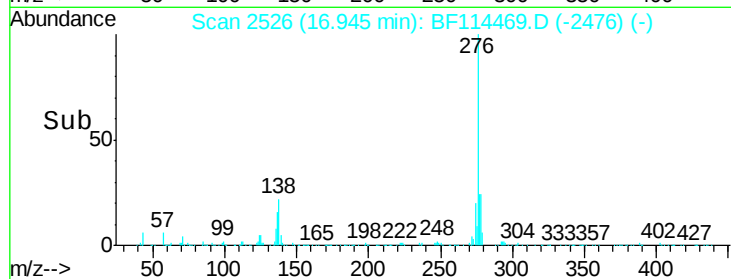
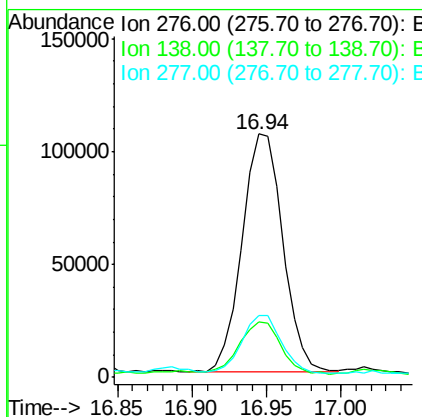
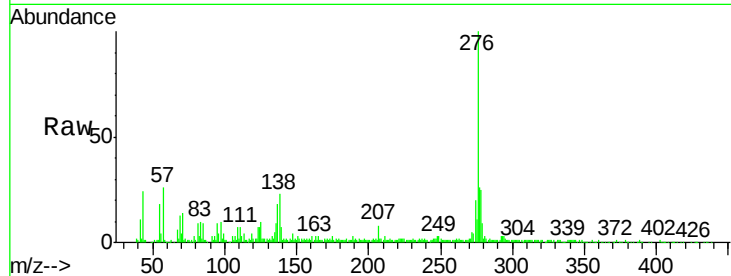
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.042 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF114469.D
 Acq: 21 May 2019 21:09

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-051719

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	200044		
138	22.3		20.2	30.2
277	24.3		20.0	30.0

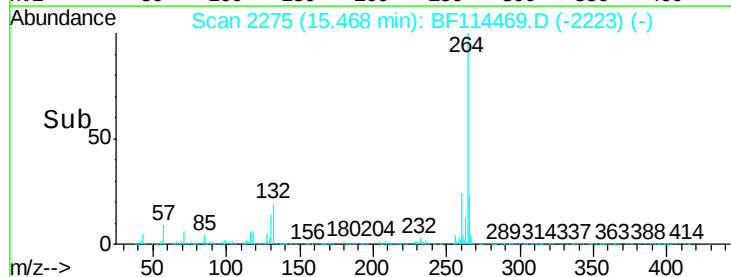
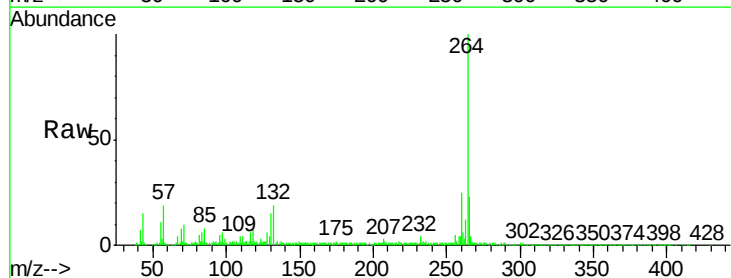
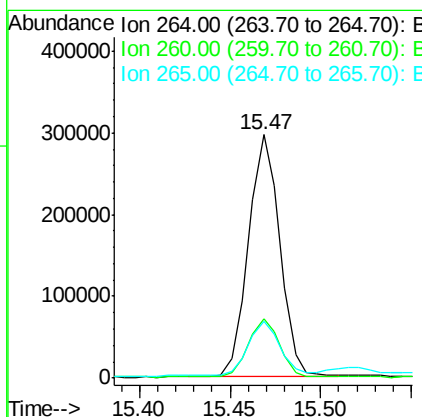
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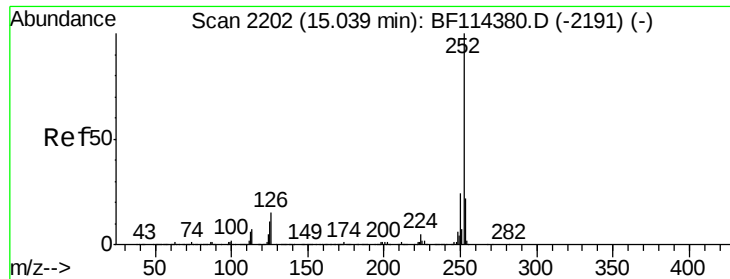
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.01 min
 Lab File: BF114469.D
 Acq: 21 May 2019 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	357260		
260	24.6		19.4	29.0
265	23.3		16.9	25.3





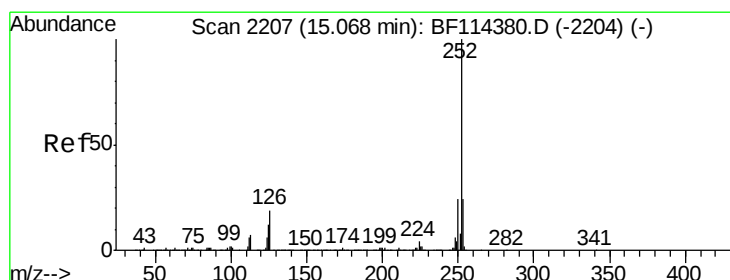
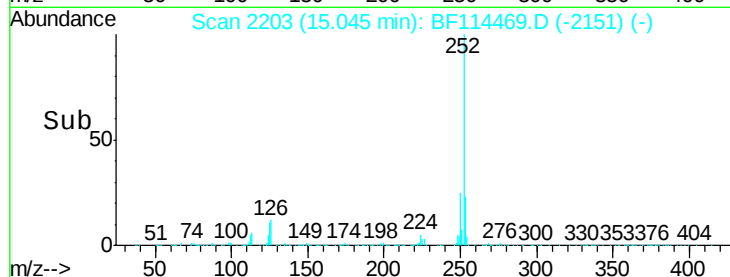
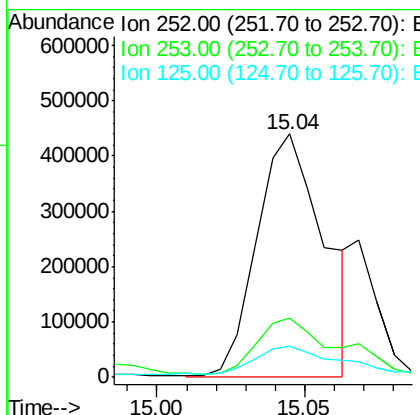
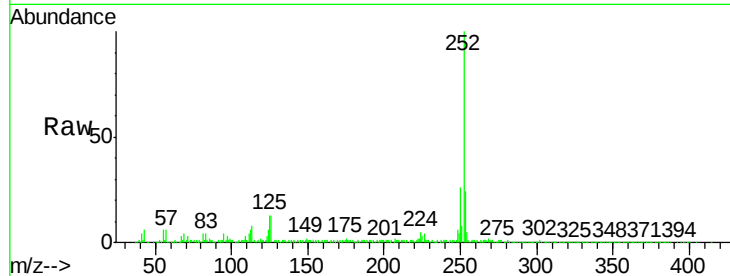
#88
Benzo(b)fluoranthene
Concen: 30.456 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF114469.D
Acq: 21 May 2019 21:09

Instrument :
BNA_F
ClientSampleId :
SU-01-051719

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	12.7	8.3	12.5

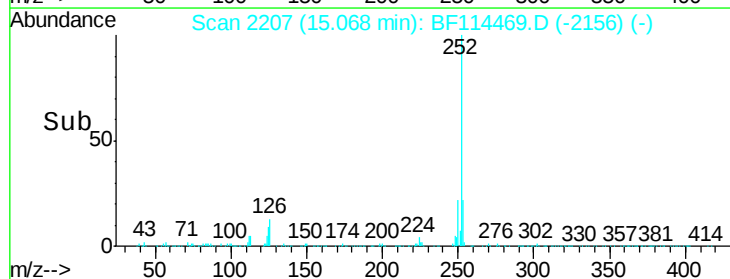
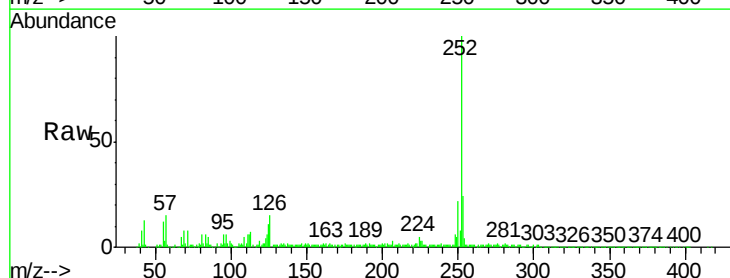
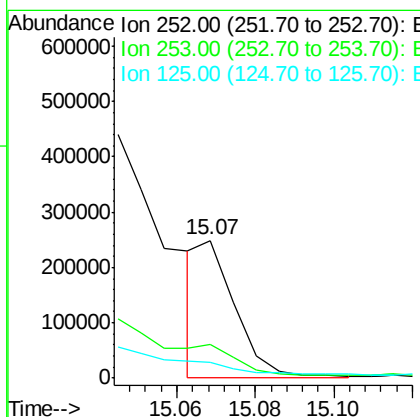
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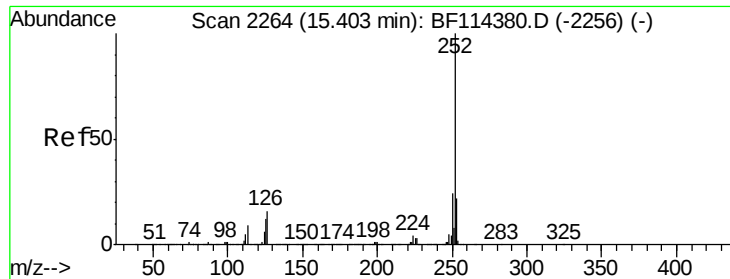
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#89
Benzo(k)fluoranthene
Concen: 7.625 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF114469.D
Acq: 21 May 2019 21:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	11.3	8.6	13.0





#90

Benzo(a)pyrene

Concen: 20.898 ng

RT: 15.41 min Scan# 2265

Delta R.T. 0.01 min

Lab File: BF114469.D

Acq: 21 May 2019 21:09

Instrument :

BNA_F

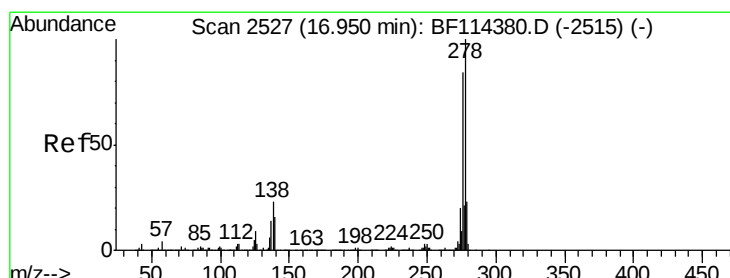
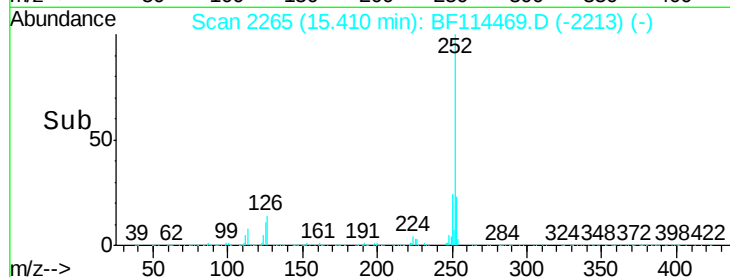
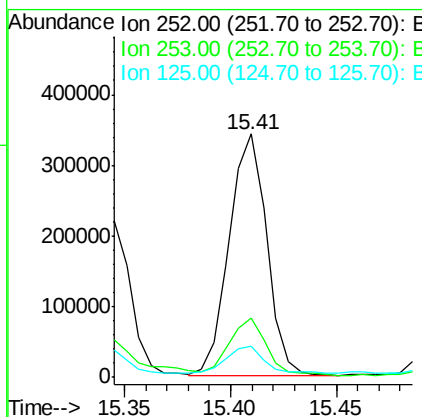
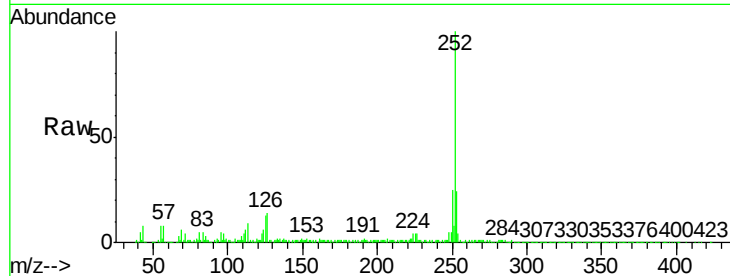
ClientSampleId :

SU-01-051719

Tgt Ion:	252	Resp:	420957
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.1	27.1
125	12.5	9.5	14.3

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#91

Dibenzo(a,h)anthracene

Concen: 3.420 ng

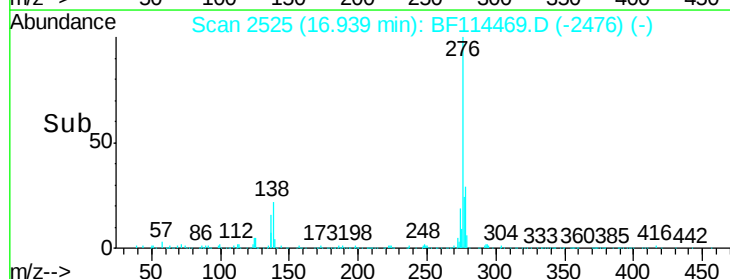
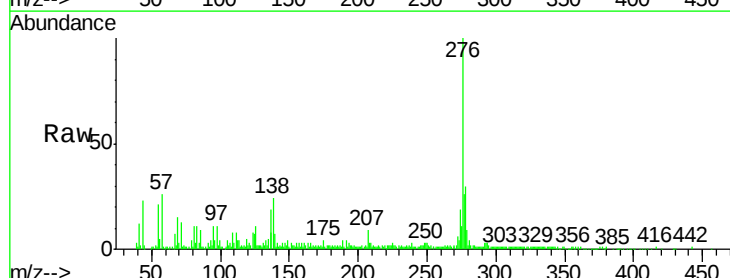
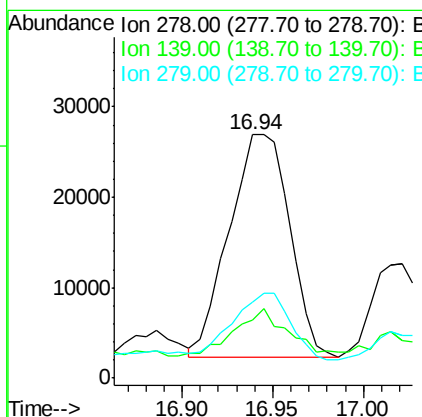
RT: 16.94 min Scan# 2525

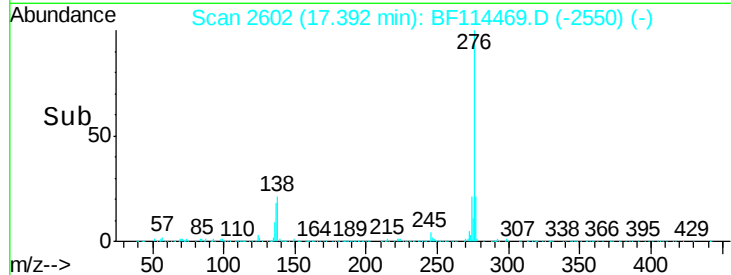
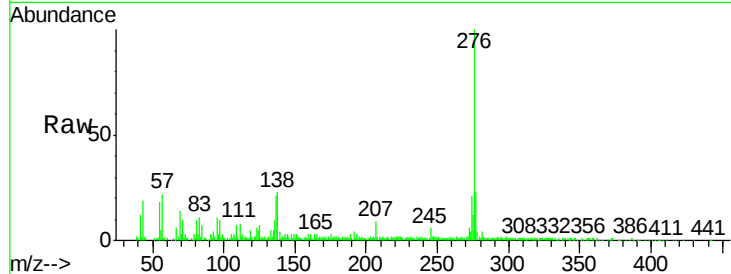
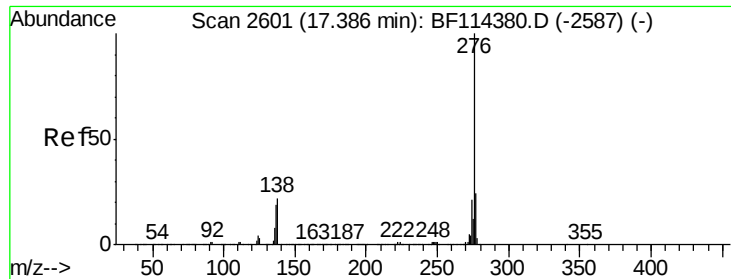
Delta R.T. -0.01 min

Lab File: BF114469.D

Acq: 21 May 2019 21:09

Tgt Ion:	278	Resp:	57241
Ion Ratio	Lower	Upper	
278	100		
139	23.8	13.5	20.3#
279	31.3	19.0	28.6#





#92
 Benzo(g,h,i)perylene
 Concen: 11.115 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. 0.01 min
 Lab File: BF114469.D
 Acq: 21 May 2019 21:09

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-051719

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		186447		
277	23.2		19.0	28.4	
138	22.7		17.8	26.6	

Manual Integrations
 APPROVED

Sohil
 5/23/2019 8:15:51 AM

