

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100819\
 Data File : BF117351.D
 Acq On : 8 Oct 2019 20:03
 Operator : JU
 Sample : K5152-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-100719

Manual Integrations
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mohammad
 10/11/2019 8:29:25 AM

Quant Time: Oct 09 03:46:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	45904	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	195013	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	101955	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	150040	20.00	ng	0.00
76) Chrysene-d12	13.97	240	103707	20.00	ng	0.00
87) Perylene-d12	15.43	264	104624	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	101484	34.52	ng	0.00
7) Phenol-d6	6.44	99	156269	41.13	ng	-0.01
23) Nitrobenzene-d5	7.36	82	92140	24.83	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	26785	31.43	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	193389	29.66	ng	-0.01
79) Terphenyl-d14	12.90	244	153650	27.69	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.70	152	26309	2.783	ng	# 96
50) Dimethylphthalate	9.55	163	21292	2.949	ng	99
52) Acenaphthene	9.86	154	12557	2.240	ng	93
58) Fluorene	10.39	166	25870	3.884	ng	# 95
71) Phenanthrene	11.35	178	220925	25.923	ng	98
72) Anthracene	11.40	178	66884	7.687	ng	97
75) Fluoranthene	12.55	202	379407	43.328	ng	99
78) Pyrene	12.77	202	345926	39.753	ng	99
81) Benzo(a)anthracene	13.96	228	172008	24.825	ng	97
83) Chrysene	14.00	228	152453	22.560	ng	96
86) Indeno(1,2,3-cd)pyrene	16.89	276	57346	11.631	ng	96
88) Benzo(b)fluoranthene	15.01	252	176475m	27.846	ng	
89) Benzo(k)fluoranthene	15.03	252	52028m	8.667	ng	
90) Benzo(a)pyrene	15.37	252	119588	21.504	ng	# 92
91) Dibenzo(a,h)anthracene	16.89	278	14159	3.196	ng	# 77
92) Benzo(g,h,i)perylene	17.33	276	57470	13.018	ng	92

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

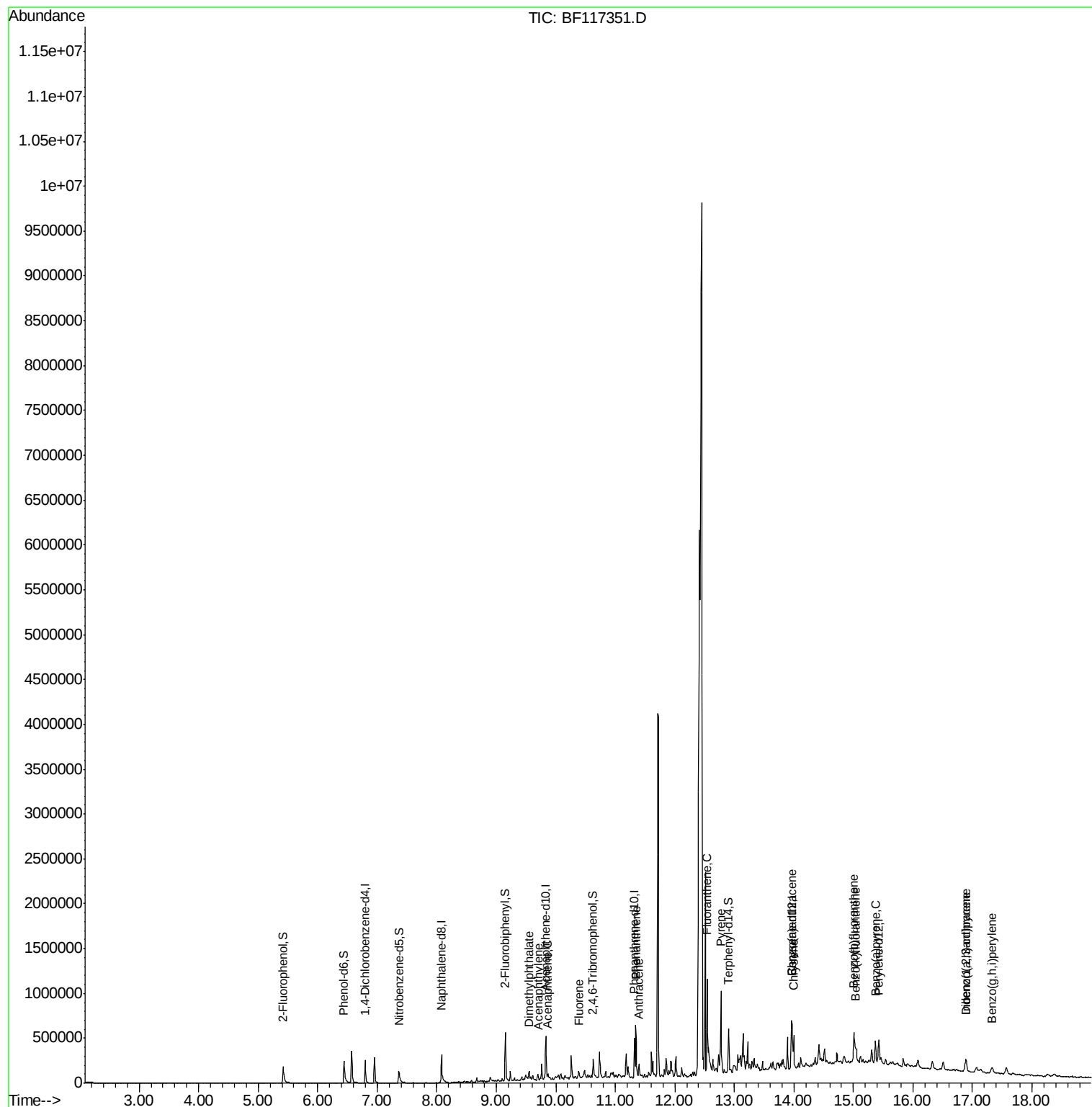
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100819\
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#1

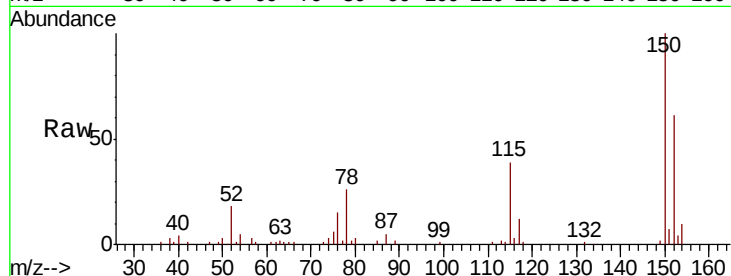
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF117351.D
Acq: 8 Oct 2019 20:03

Instrument :
BNA_F
ClientSampleId :
SU-02-100719

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.9	127.5	191.3
115	63.5	55.0	82.4

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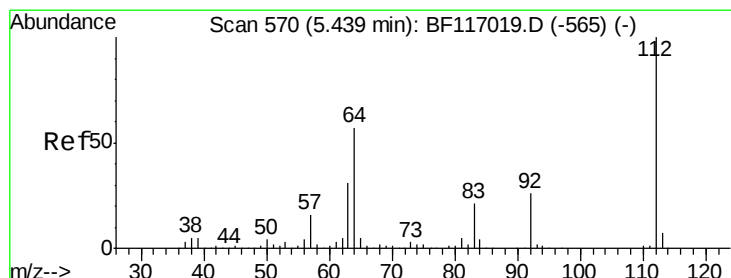
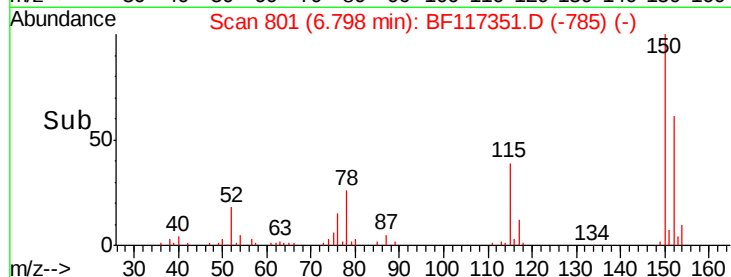
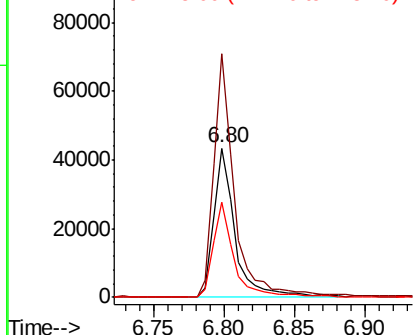


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

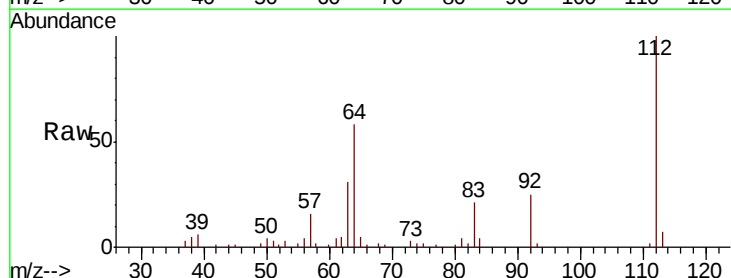
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 34.516 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF117351.D
Acq: 8 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	45.7	68.5
63	31.5	24.9	37.3

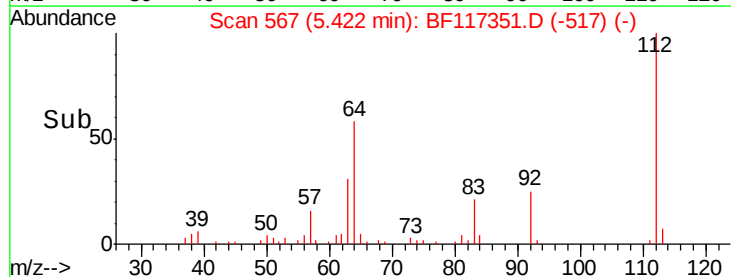
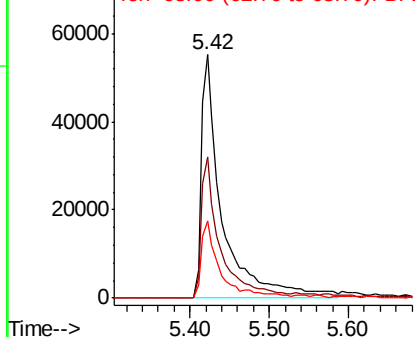


Abundance

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: 41.125 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF117351.D

Acq: 8 Oct 2019 20:03

Instrument :

BNA_F

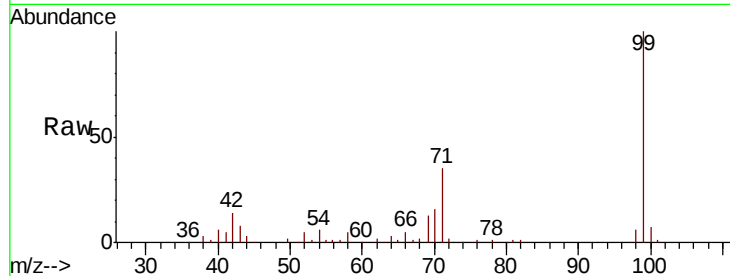
ClientSampleId :

SU-02-100719

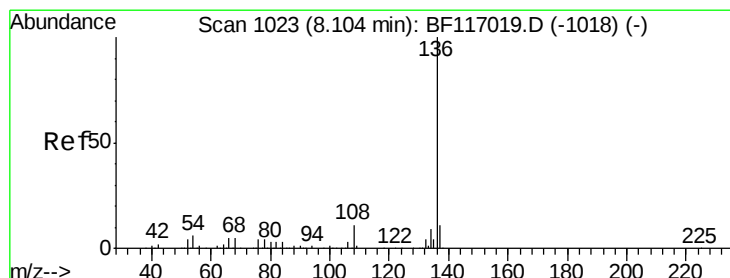
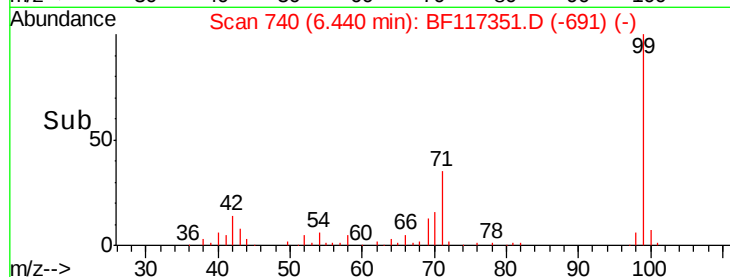
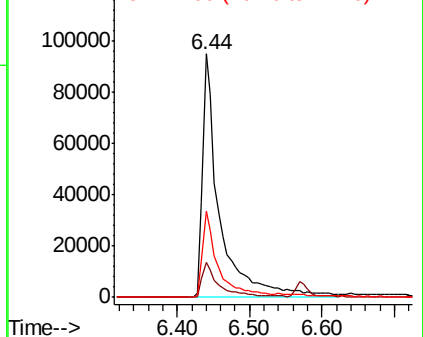
Tot Ion:	99	Resp:	156269
Ion	Ratio	Lower	Upper
99	100		
42	14.3	12.2	18.2
71	35.4	29.8	44.8

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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: 8.08 min Scan# 1019

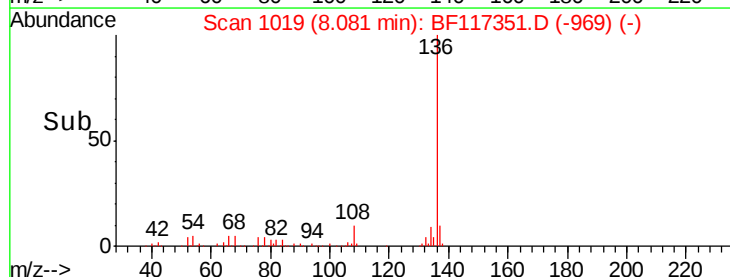
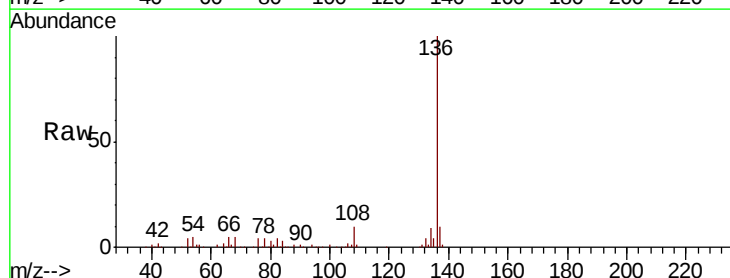
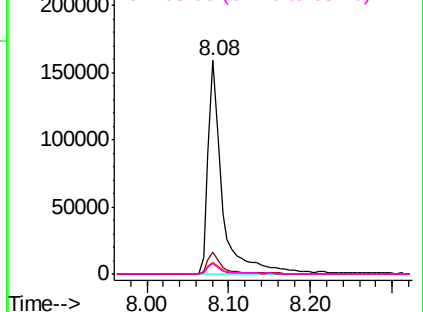
Delta R.T. -0.01 min

Lab File: BF117351.D

Acq: 8 Oct 2019 20:03

Tgt Ion:	136	Resp:	195013
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.4
54	5.5	4.5	6.7
68	4.6	4.0	6.0

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





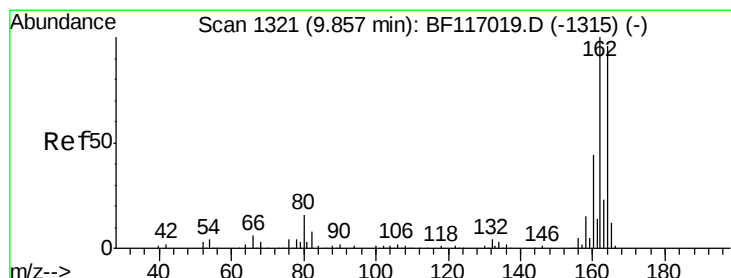
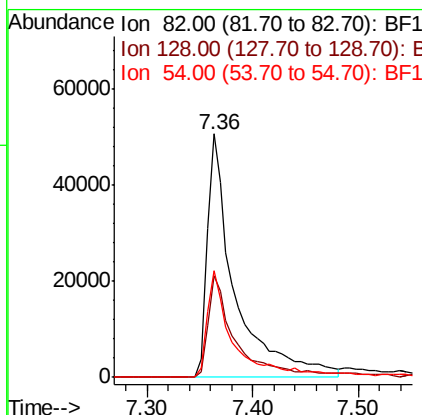
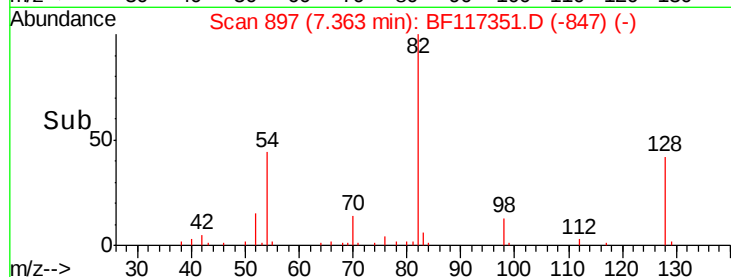
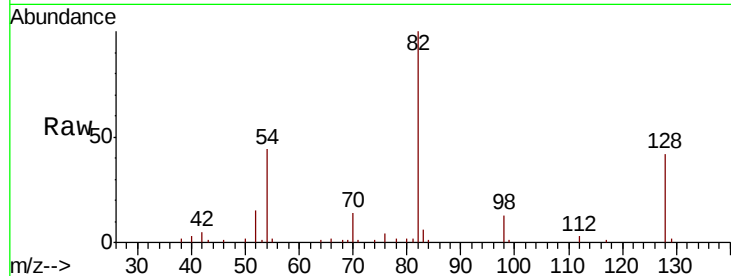
#23
Nitrobenzene-d5
Concen: 24.825 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF117351.D
Acq: 8 Oct 2019 20:03

Instrument :
BNA_F
ClientSampleId :
SU-02-100719

Tot Ion:	82	Resp:	92140
Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.3	48.5
54	44.0	33.3	49.9

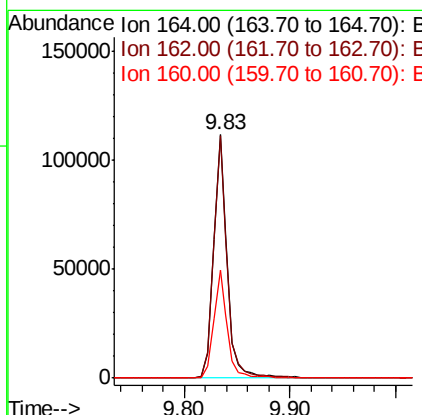
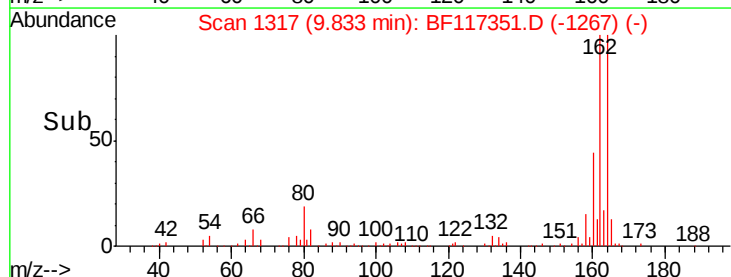
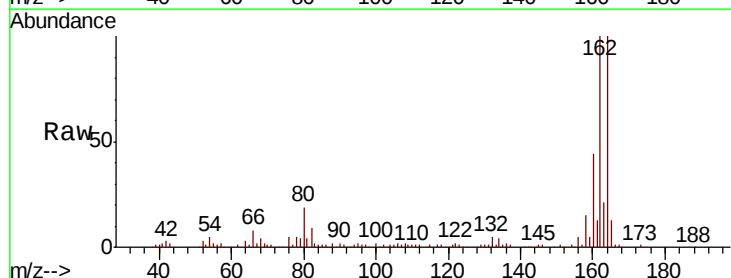
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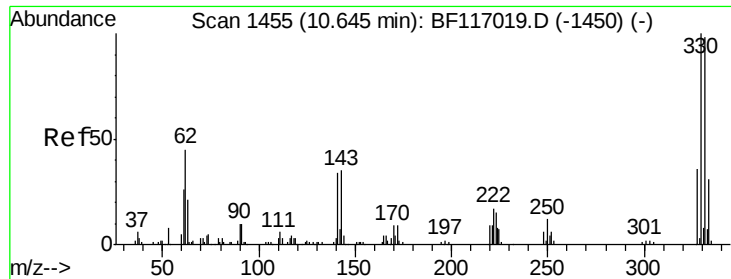
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF117351.D
Acq: 8 Oct 2019 20:03

Tgt Ion:	164	Resp:	101955
Ion	Ratio	Lower	Upper
164	100		
162	99.5	83.4	125.2
160	44.3	36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 31.434 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF117351.D

Acq: 8 Oct 2019 20:03

Instrument :

BNA_F

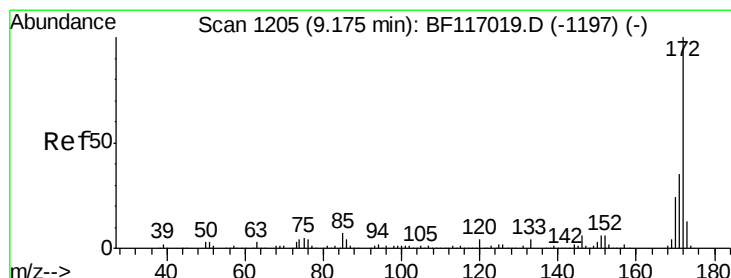
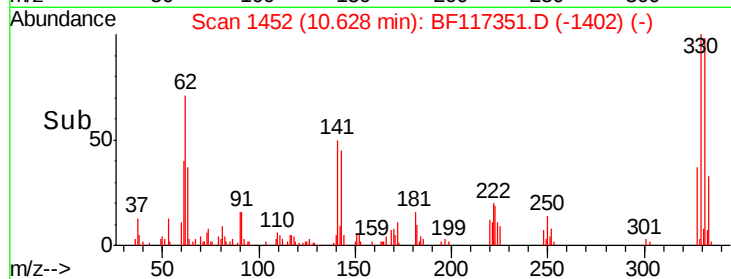
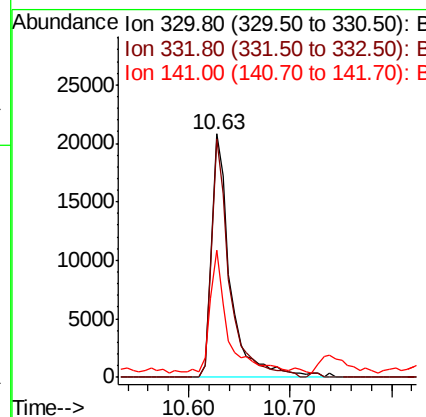
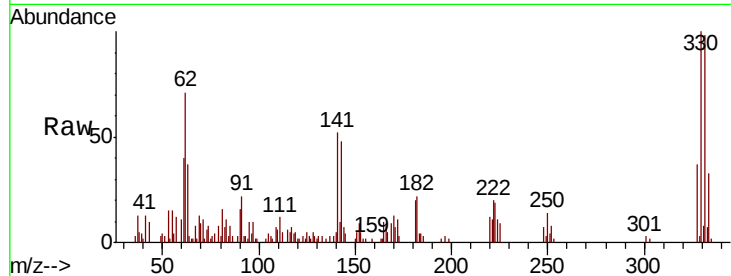
ClientSampleId :

SU-02-100719

Tot Ion:	330	Resp:	26785
Ion Ratio	Lower	Upper	
330	100		
332	92.8	78.0	117.0
141	45.3	35.8	53.6

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#45

2-Fluorobiphenyl

Concen: 29.658 ng

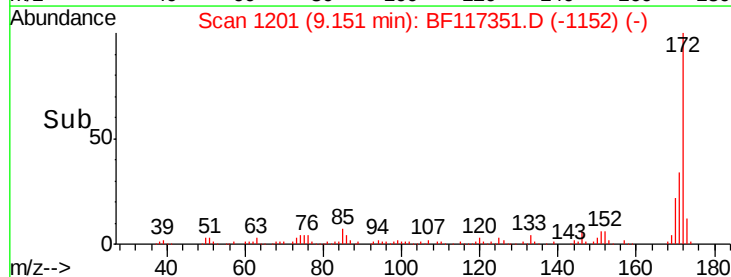
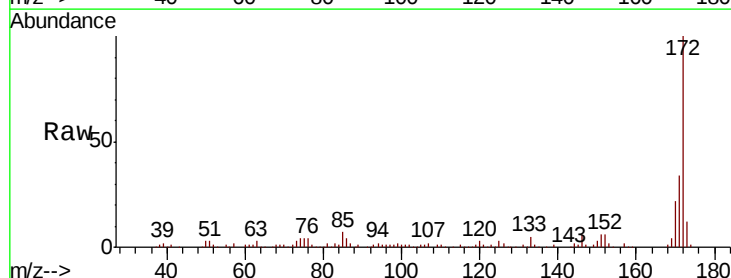
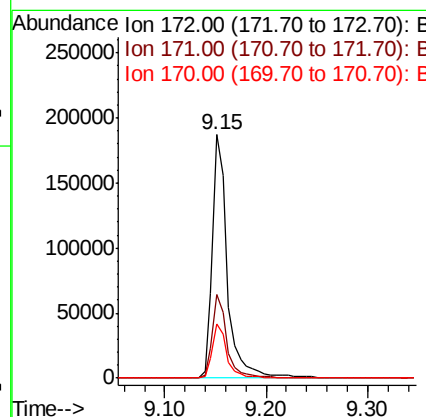
RT: 9.15 min Scan# 1201

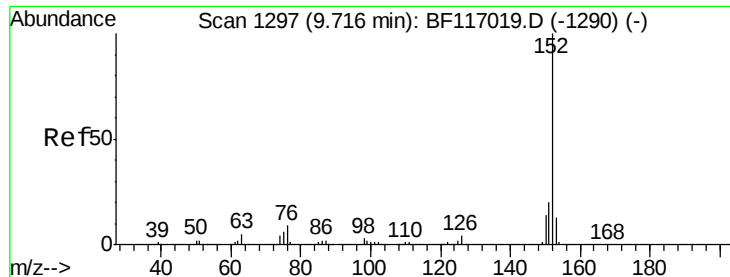
Delta R.T. -0.01 min

Lab File: BF117351.D

Acq: 8 Oct 2019 20:03

Tgt Ion:	172	Resp:	193389
Ion Ratio	Lower	Upper	
172	100		
171	34.3	28.2	42.2
170	22.0	18.9	28.3





#49

Acenaphthylene

Concen: 2.783 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF117351.D

Acq: 8 Oct 2019 20:03

Instrument :

BNA_F

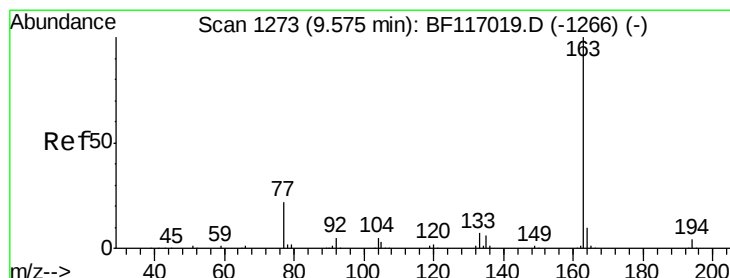
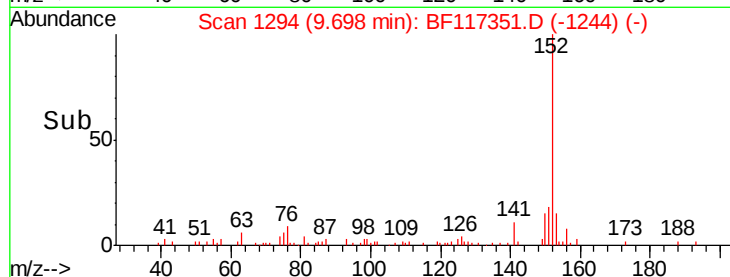
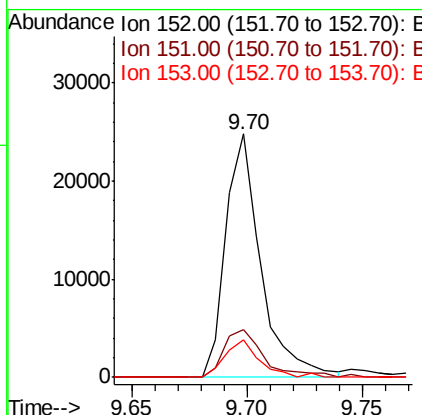
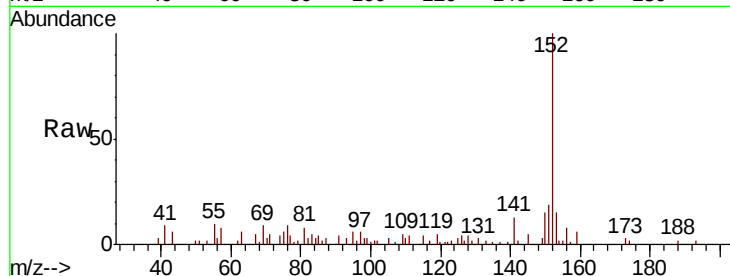
ClientSampleId :

SU-02-100719

Tot Ion:	152	Resp:	26309
Ion Ratio	Lower	Upper	
152	100		
151	19.4	16.2	24.2
153	15.5	10.2	15.4#

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#50

Dimethylphthalate

Concen: 2.949 ng

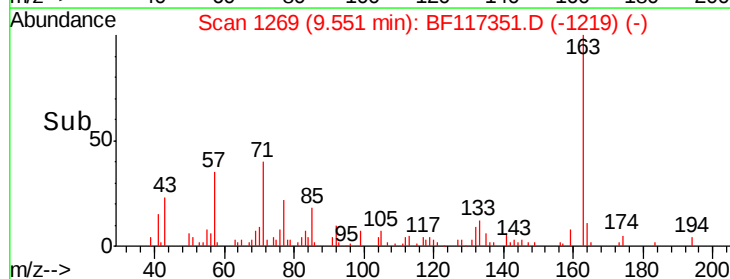
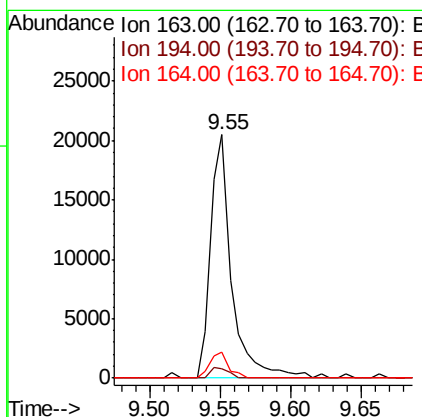
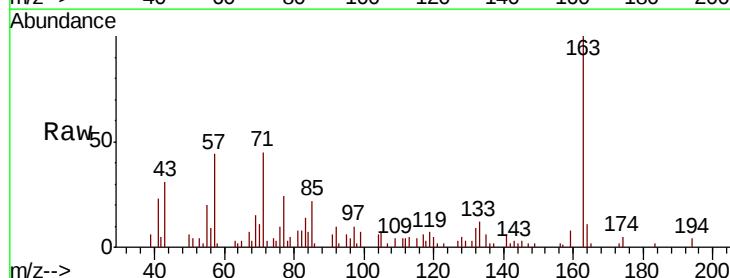
RT: 9.55 min Scan# 1269

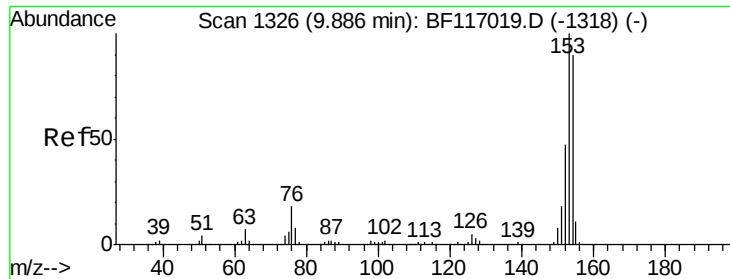
Delta R.T. -0.01 min

Lab File: BF117351.D

Acq: 8 Oct 2019 20:03

Tgt Ion:	163	Resp:	21292
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.9	4.3
164	10.7	8.2	12.4





#52

Acenaphthene

Concen: 2.240 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF117351.D

Acq: 8 Oct 2019 20:03

Instrument :

BNA_F

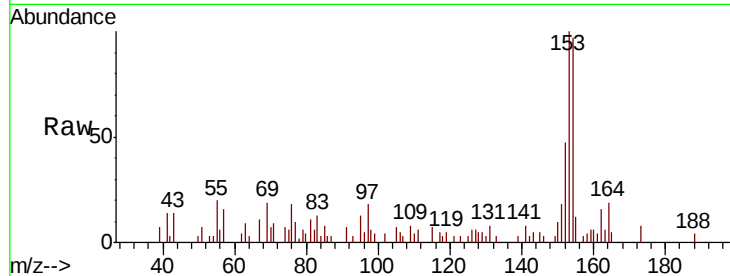
ClientSampleId :

SU-02-100719

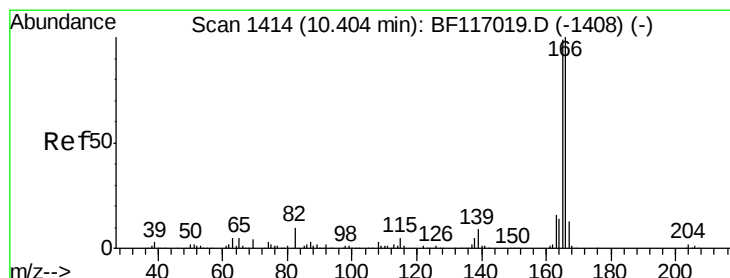
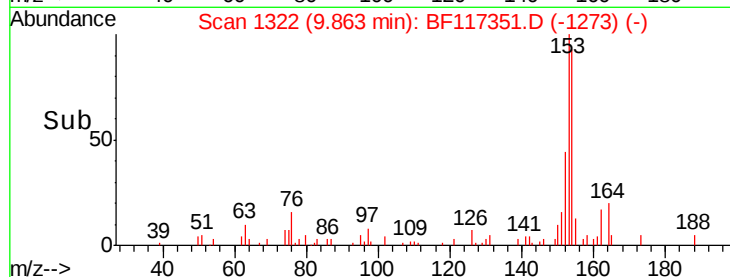
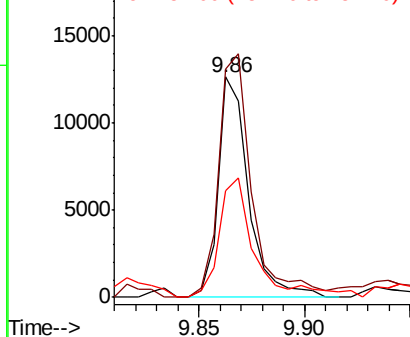
Tot Ion:	154	Resp:	12557
Ion Ratio	Lower	Upper	
154	100		
153	103.4	89.0	133.6
152	48.2	41.9	62.9

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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



#58

Fluorene

Concen: 3.884 ng

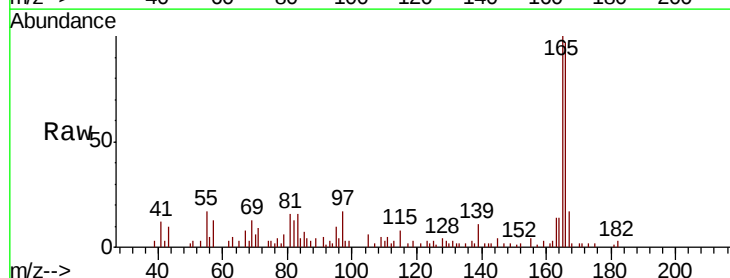
RT: 10.39 min Scan# 1411

Delta R.T. 0.00 min

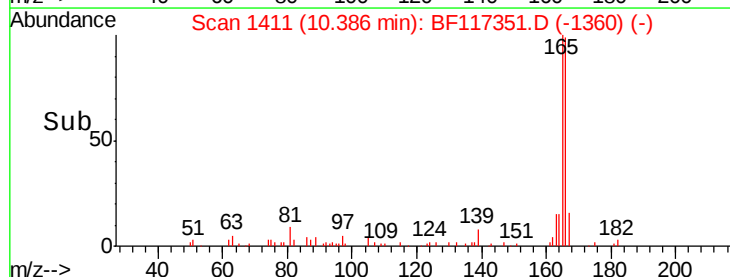
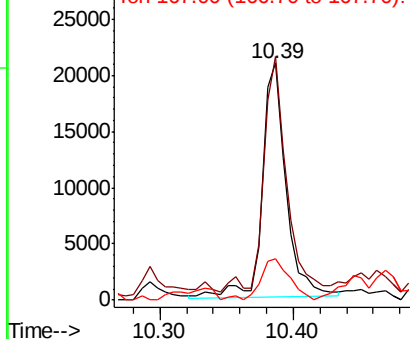
Lab File: BF117351.D

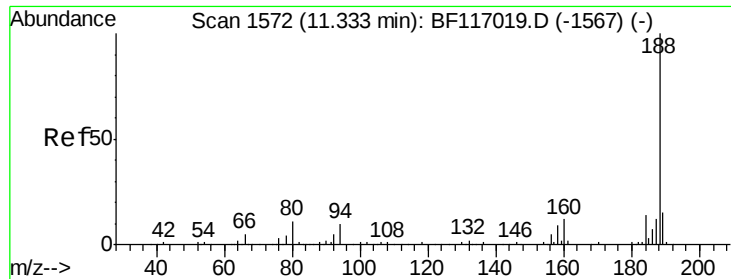
Acq: 8 Oct 2019 20:03

Tgt Ion:	166	Resp:	25870
Ion Ratio	Lower	Upper	
166	100		
165	102.8	78.9	118.3
167	17.6	10.6	15.8#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





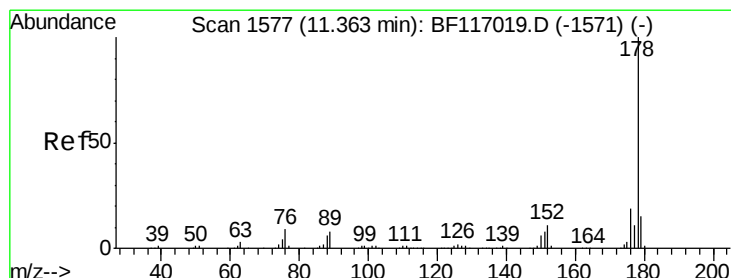
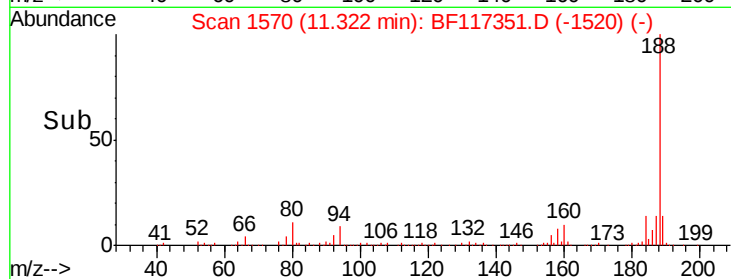
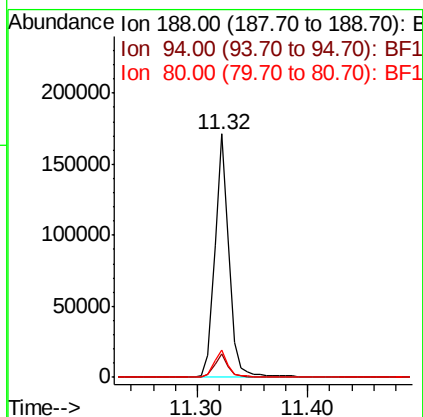
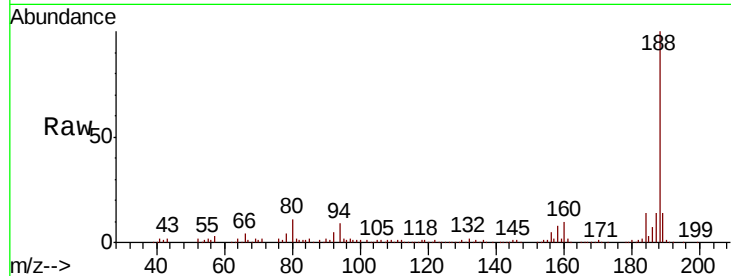
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF117351.D
Acq: 8 Oct 2019 20:03

Instrument :
BNA_F
ClientSampleId :
SU-02-100719

Tot Ion	Ratio	Resp	Lower	Upper
188	100	150040		
94	9.5	8.2	12.2	
80	11.0	9.0	13.6	

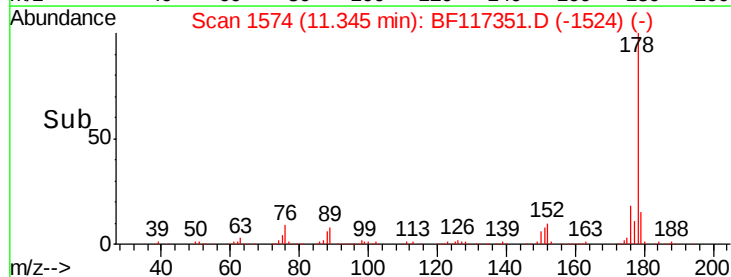
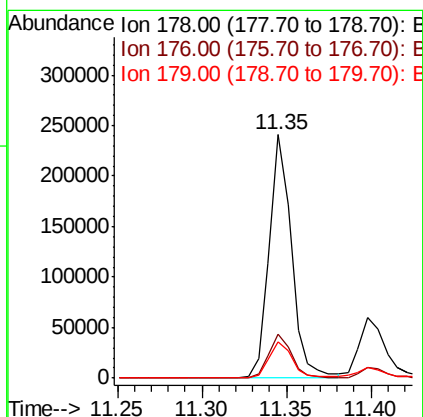
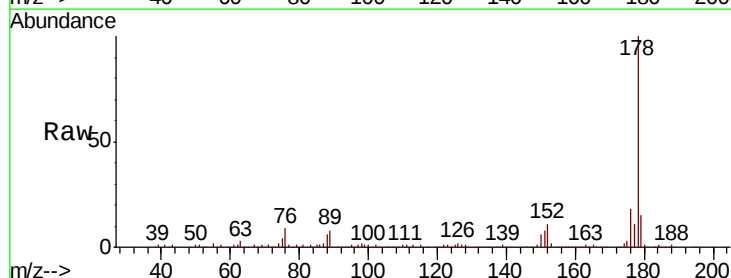
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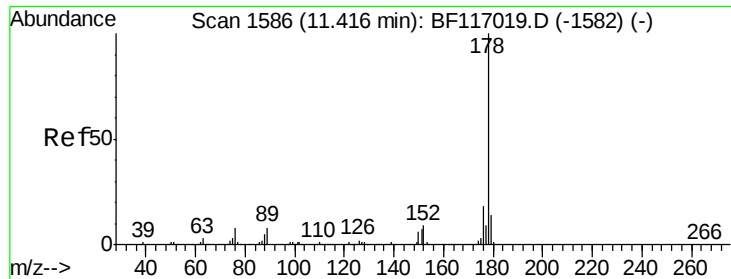
mohammad
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#71
Phenanthrene
Concen: 25.923 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF117351.D
Acq: 8 Oct 2019 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	220925		
176	18.1	15.4	23.2	
179	14.9	12.4	18.6	





#72

Anthracene

Concen: 7.687 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF117351.D

Acq: 8 Oct 2019 20:03

Instrument :

BNA_F

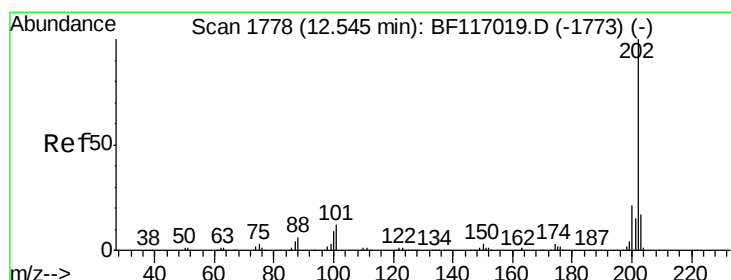
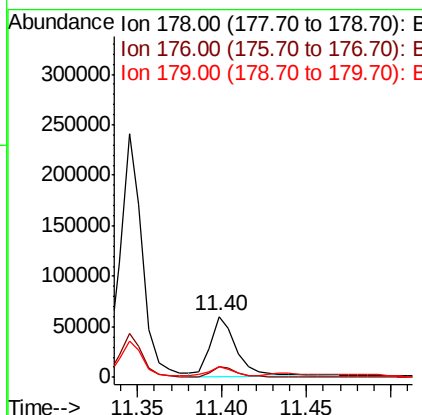
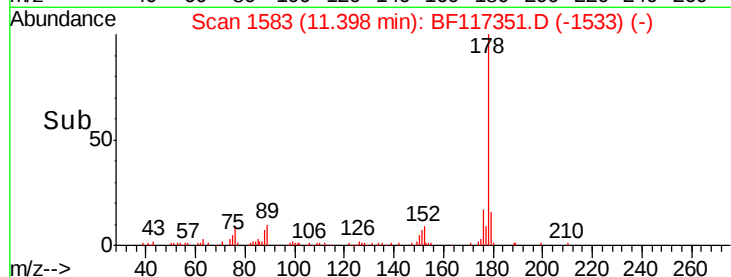
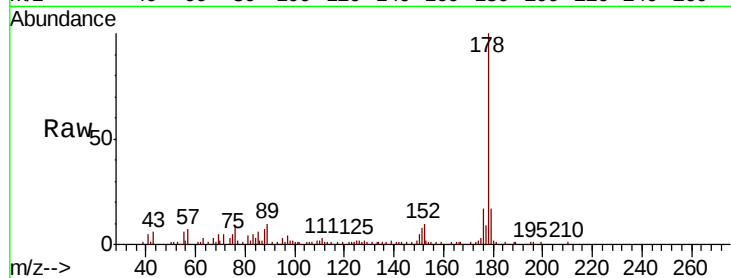
ClientSampleId :

SU-02-100719

Tot Ion:	178	Resp:	66884
Ion	Ratio	Lower	Upper
178	100		
176	17.3	14.6	21.8
179	16.7	11.6	17.4

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#75

Fluoranthene

Concen: 43.328 ng

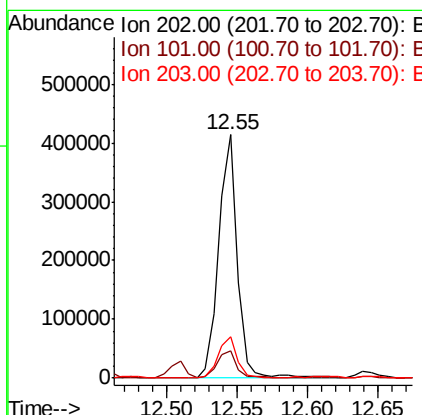
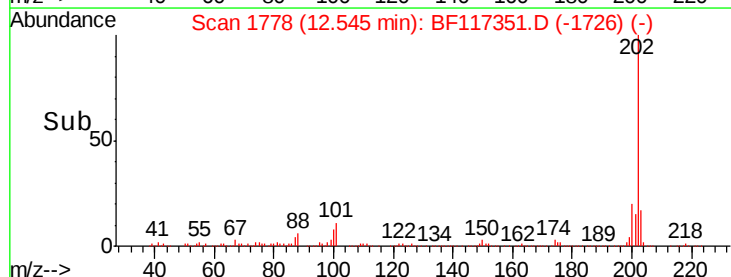
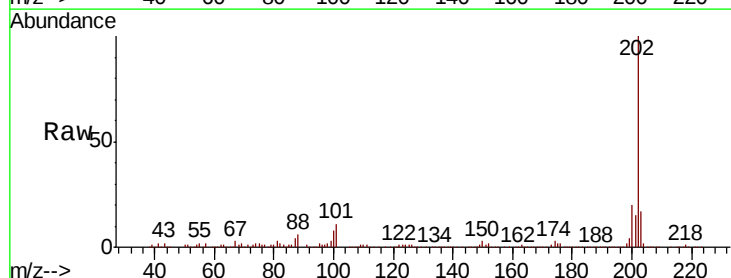
RT: 12.55 min Scan# 1778

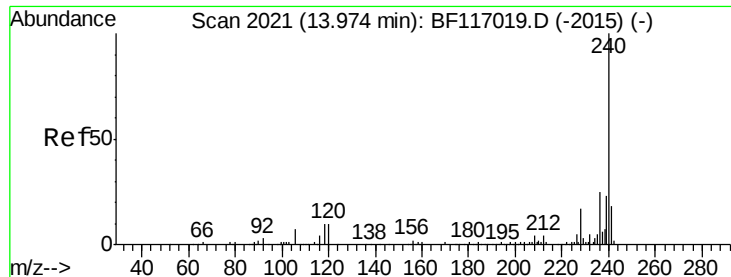
Delta R.T. 0.01 min

Lab File: BF117351.D

Acq: 8 Oct 2019 20:03

Tgt Ion:	202	Resp:	379407
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	32.3
203	17.2	0.0	37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117351.D

Acq: 8 Oct 2019 20:03

Instrument :

BNA_F

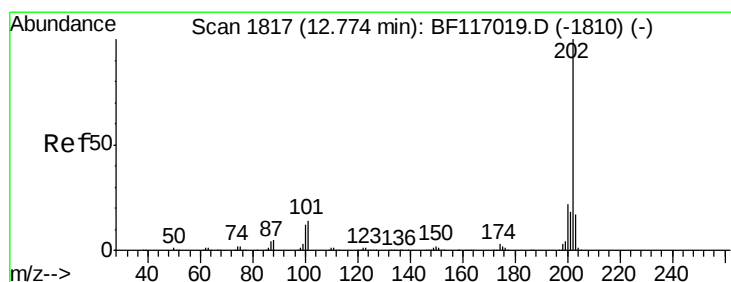
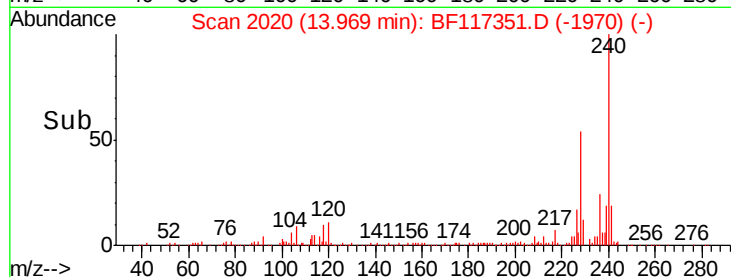
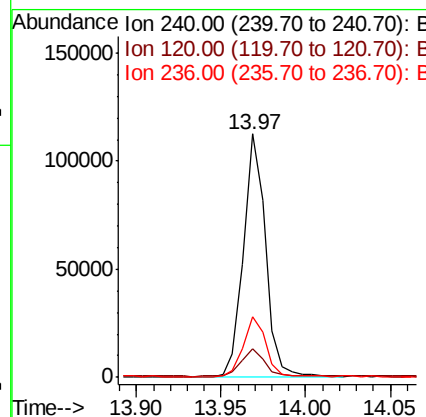
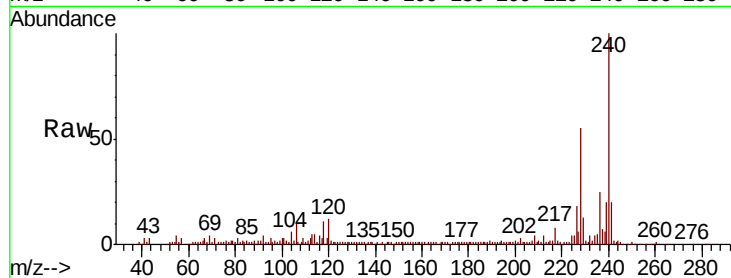
ClientSampleId :

SU-02-100719

Tot Ion:	240	Resp:	103707
Ion Ratio	Lower	Upper	
240	100		
120	11.8	8.3	12.5
236	24.9	20.3	30.5

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#78

Pyrene

Concen: 39.753 ng

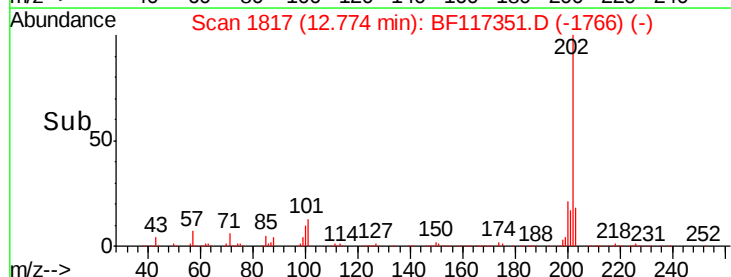
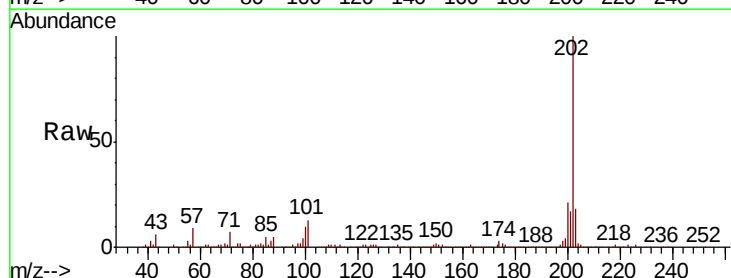
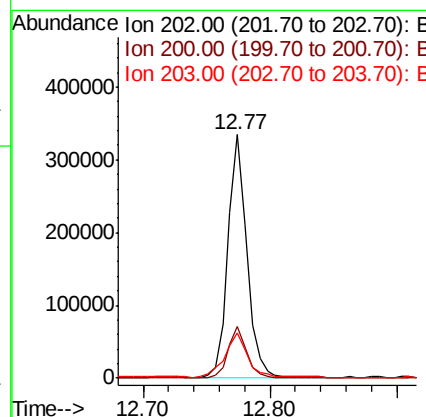
RT: 12.77 min Scan# 1817

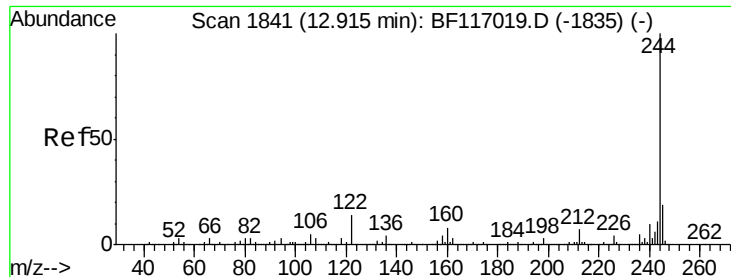
Delta R.T. 0.00 min

Lab File: BF117351.D

Acq: 8 Oct 2019 20:03

Tgt Ion:	202	Resp:	345926
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.2	25.8
203	18.3	14.0	21.0





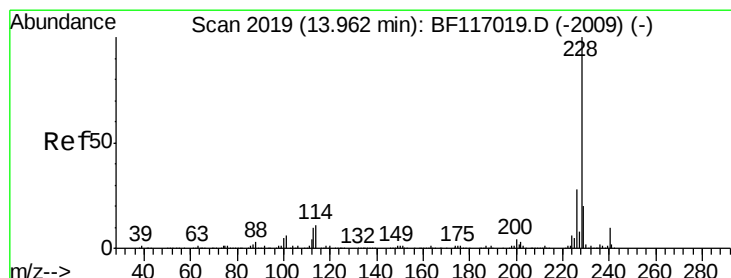
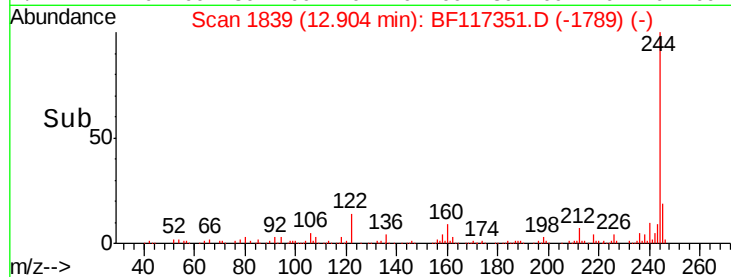
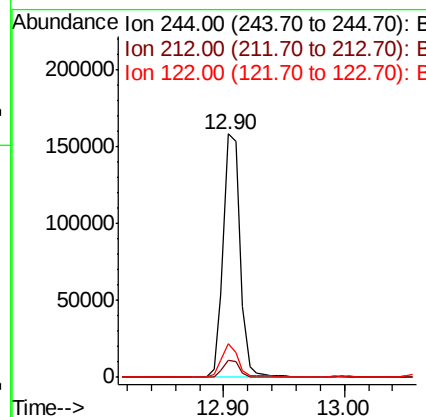
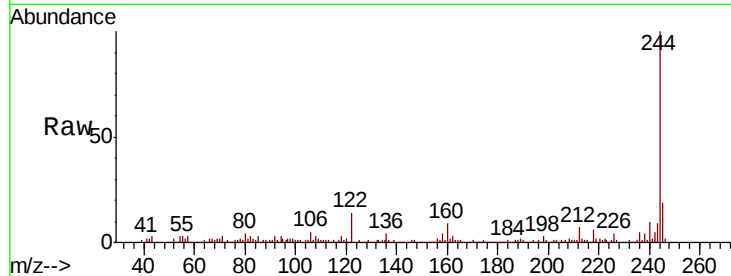
#79
 Terphenyl-d14
 Concen: 27.694 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF117351.D
 Acq: 8 Oct 2019 20:03

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-100719

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	13.9	11.3	16.9

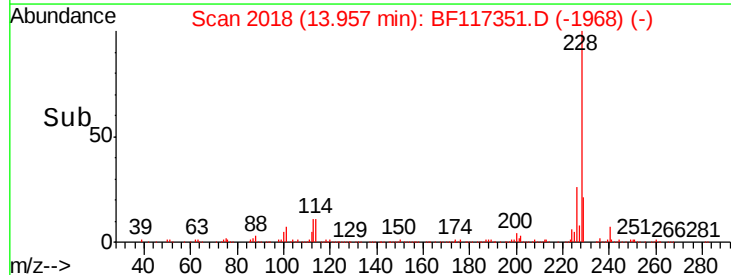
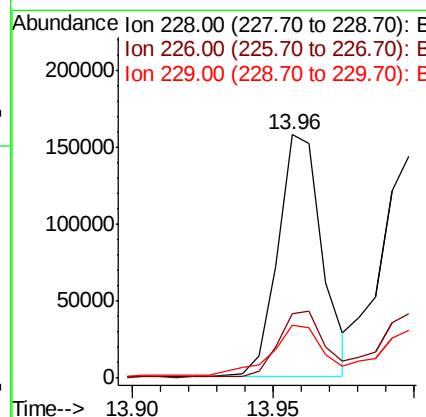
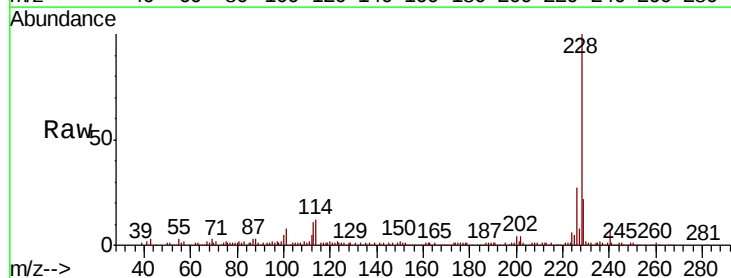
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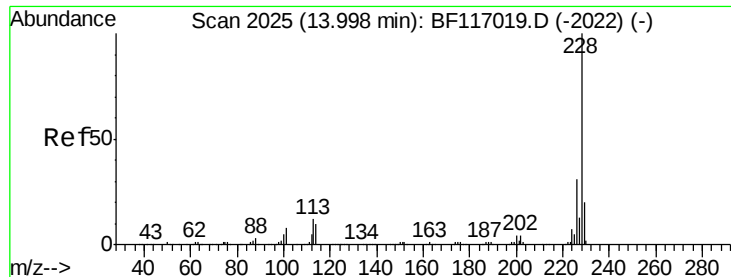
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#81
 Benzo(a)anthracene
 Concen: 24.825 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF117351.D
 Acq: 8 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.3	33.5
229	21.6	15.9	23.9





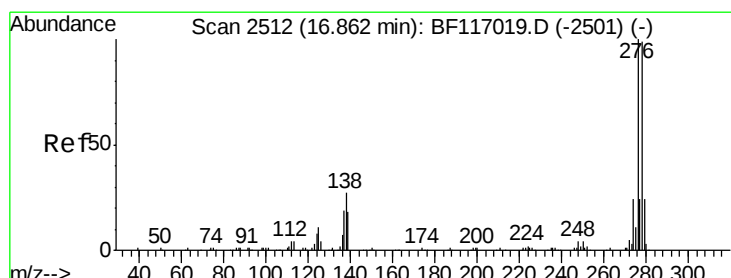
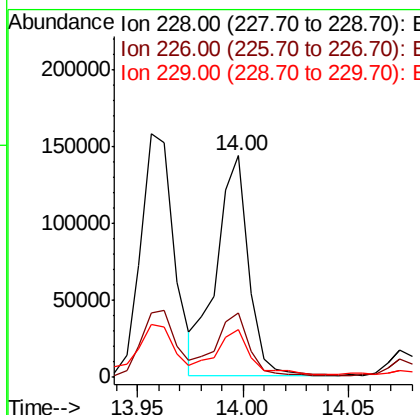
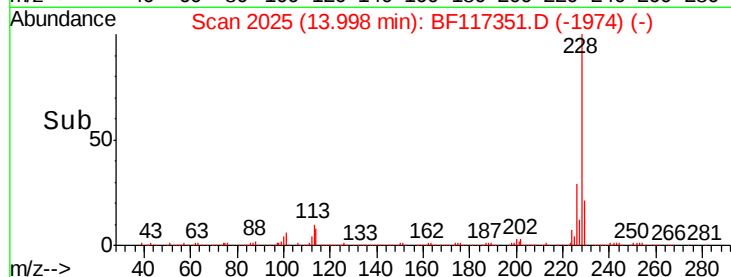
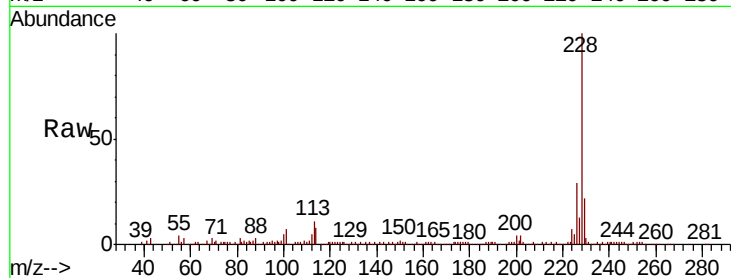
#83
Chrysene
Concen: 22.560 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF117351.D
Acq: 8 Oct 2019 20:03

Instrument :
BNA_F
ClientSampleId :
SU-02-100719

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.8	37.2
229	21.7	15.8	23.8

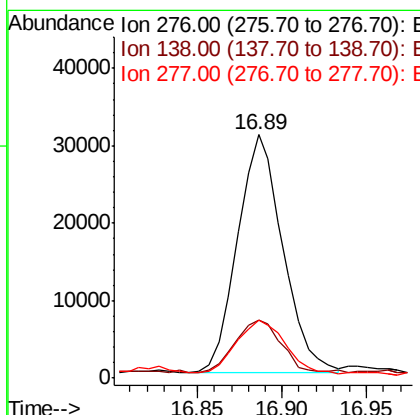
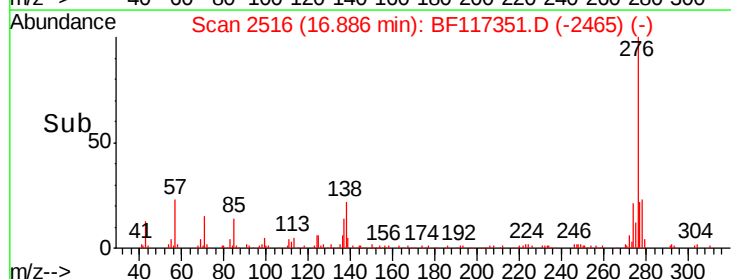
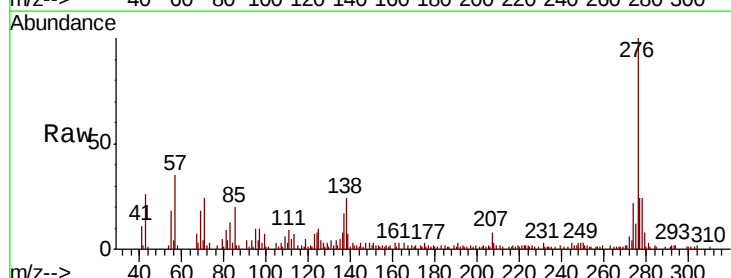
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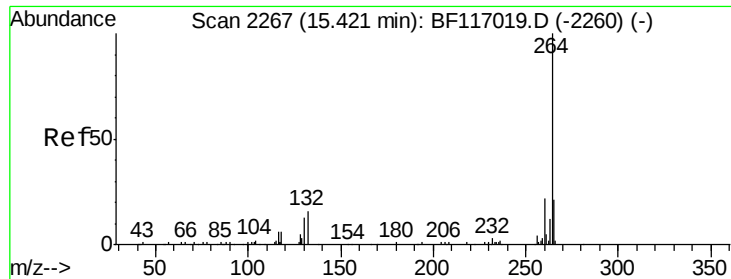
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 11.631 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.00 min
Lab File: BF117351.D
Acq: 8 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	20.7	31.1
277	24.4	19.8	29.8





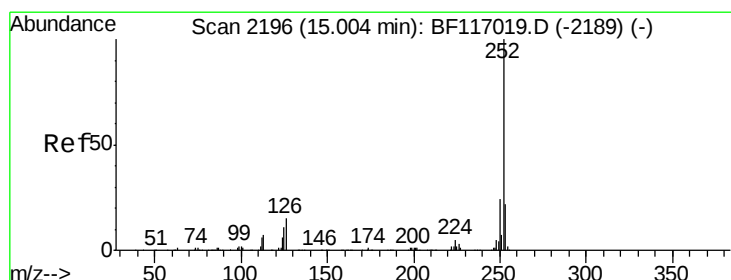
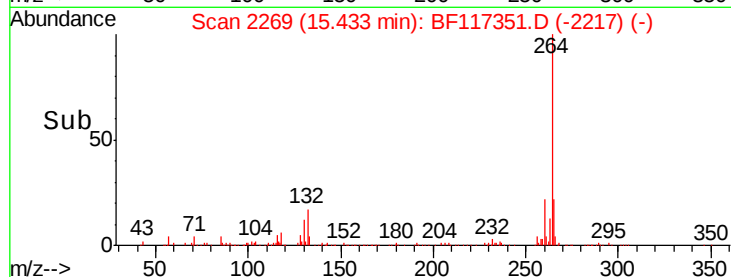
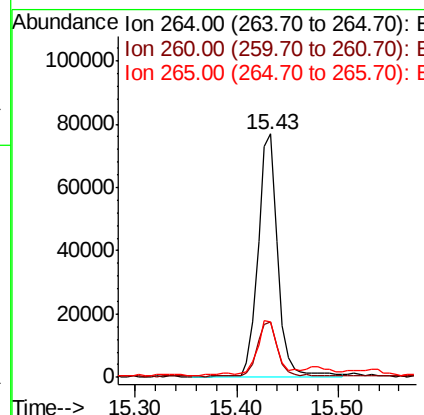
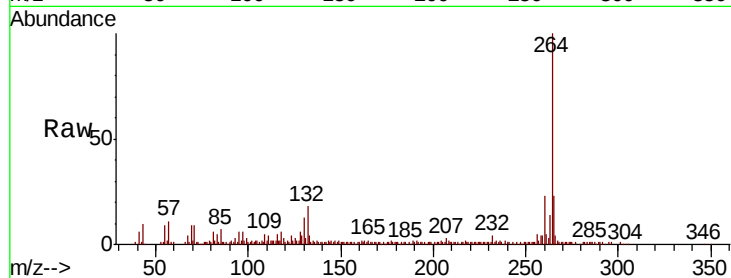
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117351.D
 Acq: 8 Oct 2019 20:03

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-100719

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.6	26.4
265	22.9	16.6	24.8

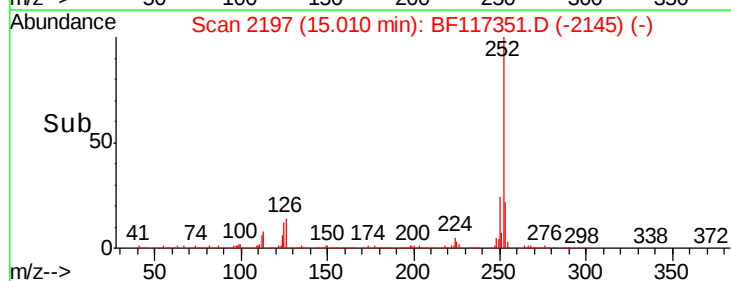
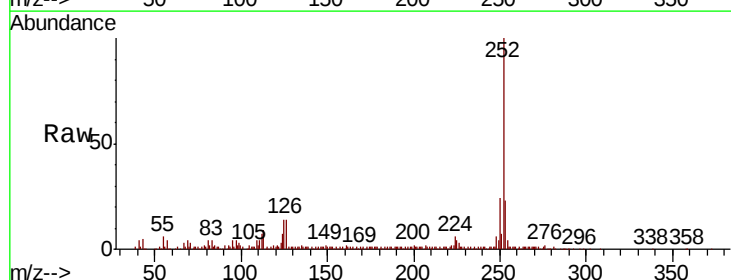
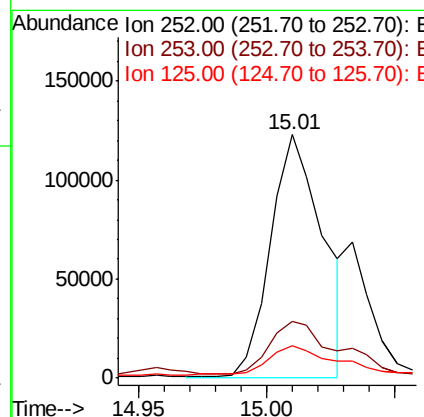
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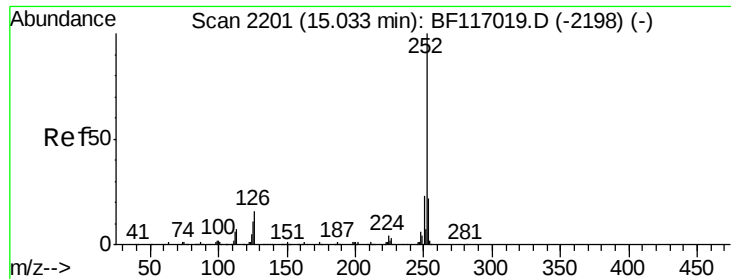
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 27.846 ng m
 RT: 15.01 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: BF117351.D
 Acq: 8 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	13.5	8.6	12.8#





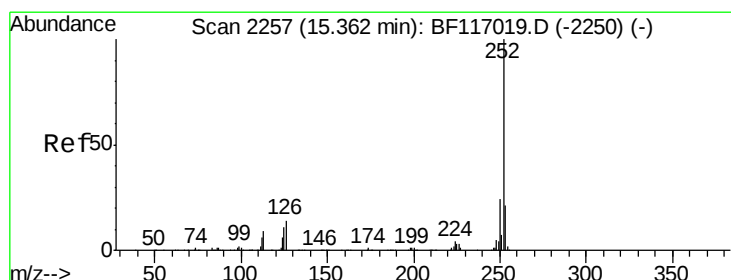
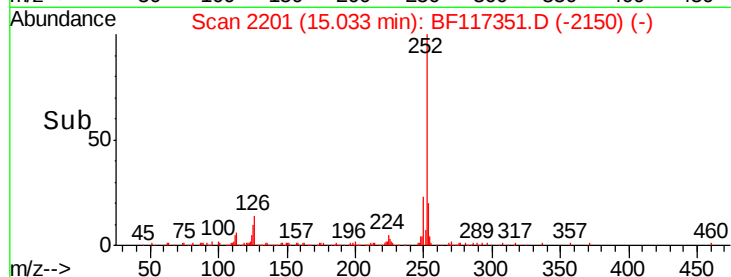
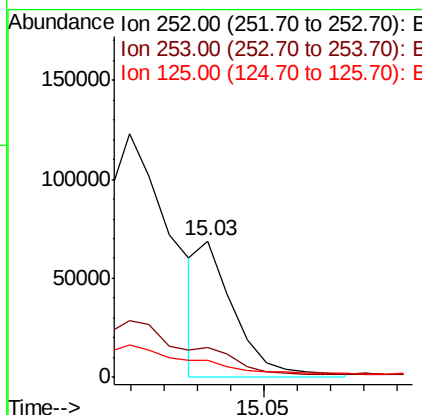
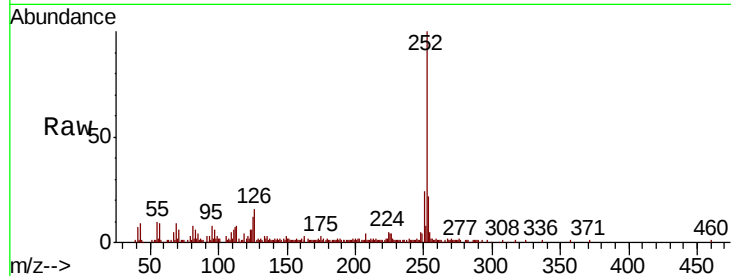
#89
Benzo(k)fluoranthene
Concen: 8.667 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF117351.D
Acq: 8 Oct 2019 20:03

Instrument :
BNA_F
ClientSampleId :
SU-02-100719

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	12.4	8.8	13.2

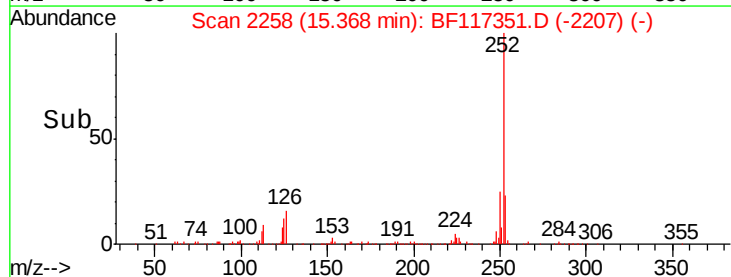
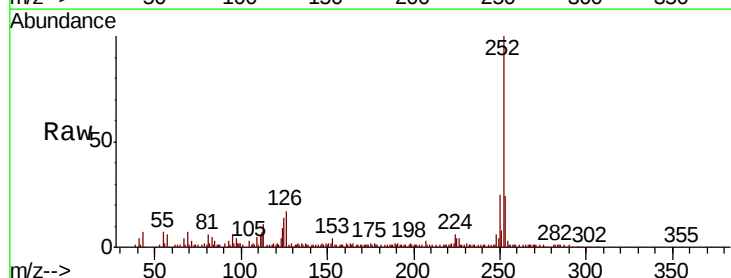
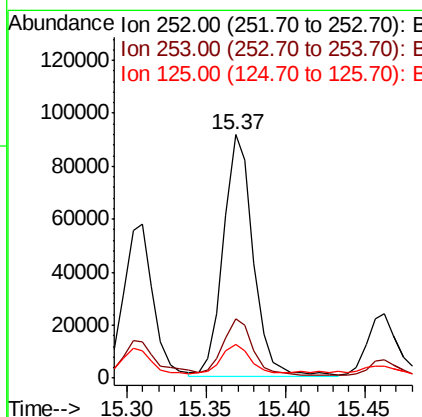
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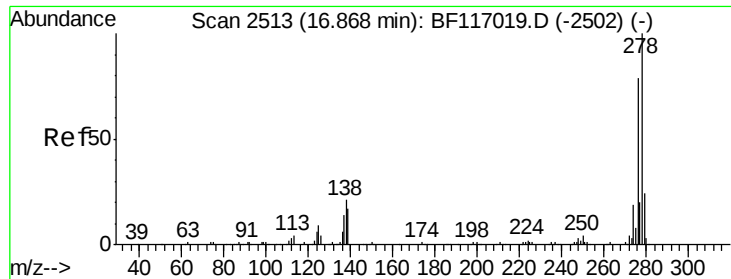
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#90
Benzo(a)pyrene
Concen: 21.504 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF117351.D
Acq: 8 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	16.6	25.0
125	13.9	8.9	13.3#





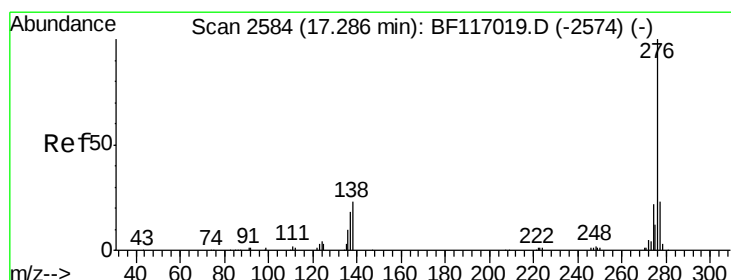
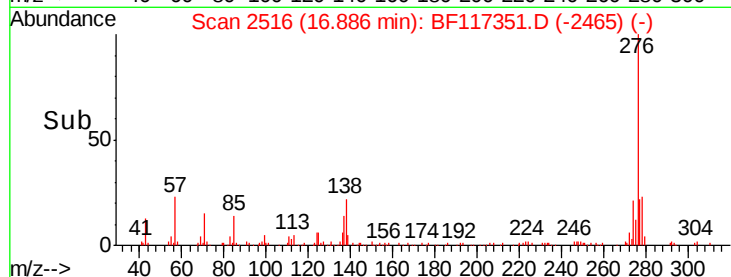
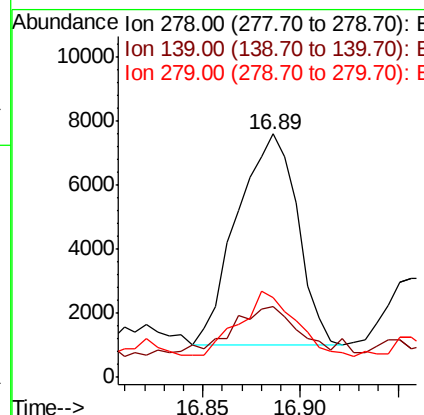
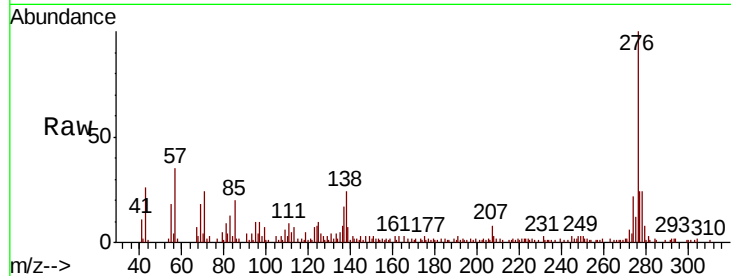
#91
Dibenzo(a,h)anthracene
Concen: 3.196 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.00 min
Lab File: BF117351.D
Acq: 8 Oct 2019 20:03

Instrument :
BNA_F
ClientSampleId :
SU-02-100719

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.1	13.5	20.3#
279	32.8	18.8	28.2#

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#92
Benzo(g,h,i)perylene
Concen: 13.018 ng
RT: 17.33 min Scan# 2591
Delta R.T. 0.01 min
Lab File: BF117351.D
Acq: 8 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	18.6	27.8
138	18.3	18.0	27.0

