

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
 Data File : BF115530.D
 Acq On : 12 Jul 2019 17:03
 Operator : HP/JU
 Sample : K3626-07 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071119-B

Manual Integrations
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 7/15/2019 2:57:25 PM

Quant Time: Jul 13 01:26:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	143837	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	549283	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	252273	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	421109	20.00	ng	0.00
76) Chrysene-d12	14.04	240	297428	20.00	ng	0.00
87) Perylene-d12	15.53	264	355964	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	473003	53.79	ng	0.00
7) Phenol-d6	6.50	99	606115	54.32	ng	-0.01
23) Nitrobenzene-d5	7.43	82	364614	38.60	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	136684	46.42	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	700097	48.57	ng	-0.01
79) Terphenyl-d14	12.99	244	611843	37.96	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	8.19	128	350670	13.182	ng	96
37) 2-Methylnaphthalene	8.87	142	216045	12.252	ng	98
38) 1-Methylnaphthalene	8.97	142	198601	11.857	ng	98
46) 1,1'-Biphenyl	9.34	154	42240	2.142	ng	95
49) Acenaphthylene	9.78	152	203563	8.366	ng	97
50) Dimethylphthalate	9.63	163	69580	3.666	ng	100
52) Acenaphthene	9.95	154	117456	7.477	ng	98
55) Dibenzofuran	10.12	168	149105	6.683	ng	# 96
58) Fluorene	10.47	166	252577	15.836	ng	97
71) Phenanthrene	11.43	178	1477465	68.447	ng	97
72) Anthracene	11.48	178	495298	22.203	ng	99
73) Carbazole	11.63	167	114274	5.842	ng	98
75) Fluoranthene	12.63	202	1879945	82.416	ng	98
78) Pyrene	12.86	202	1856533	73.674	ng	98
81) Benzo(a)anthracene	14.04	228	1048520	53.511	ng	97
83) Chrysene	14.07	228	965744	49.097	ng	96
86) Indeno(1,2,3-cd)pyrene	17.00	276	514445	30.784	ng	96
88) Benzo(b)fluoranthene	15.10	252	1366998m	59.639	ng	
89) Benzo(k)fluoranthene	15.12	252	347480m	17.004	ng	
90) Benzo(a)pyrene	15.47	252	966439	49.057	ng	98
91) Dibenzo(a,h)anthracene	17.02	278	142707	8.251	ng	96
92) Benzo(g,h,i)perylene	17.46	276	452751	26.248	ng	99

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

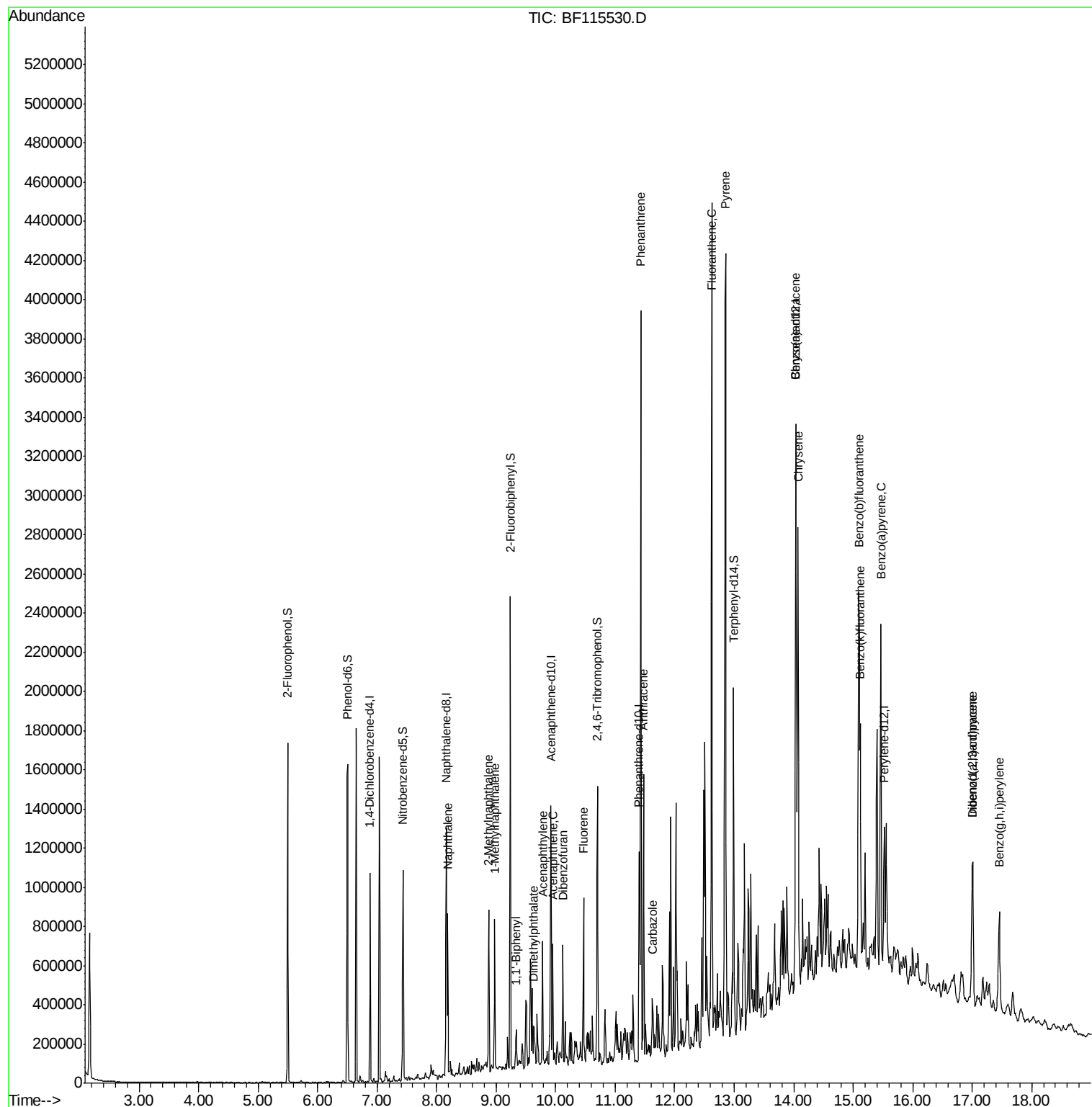
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
Data File : BF115530.D
Acq On : 12 Jul 2019 17:03
Operator : HP/JU
Sample : K3626-07 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

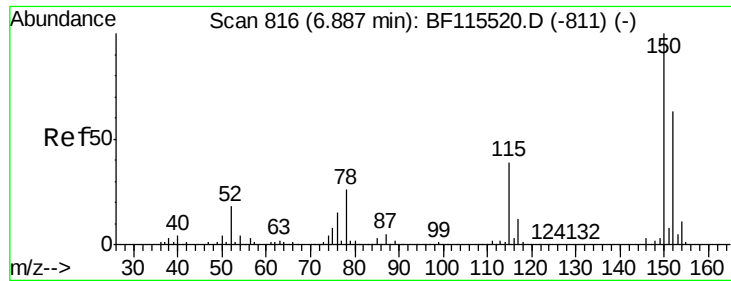
Instrument :
BNA_F
ClientSampleId :
SU-04-071119-B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration





#1

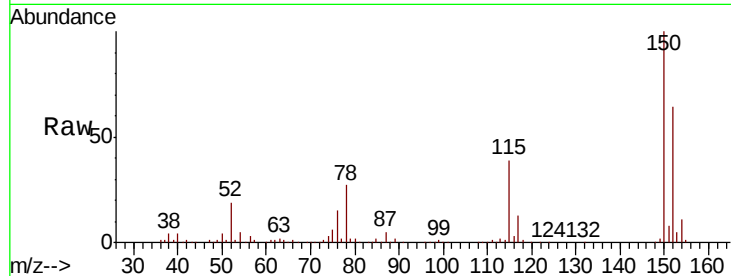
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	129.7	194.5
115	61.5	48.2	72.4

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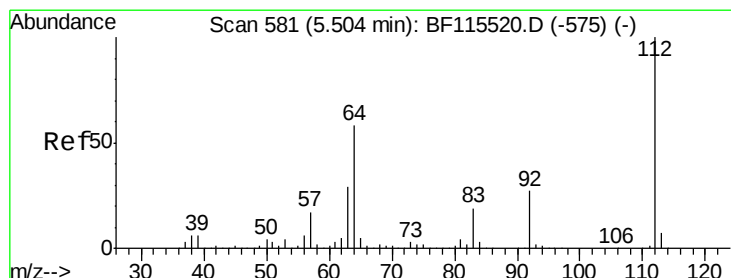
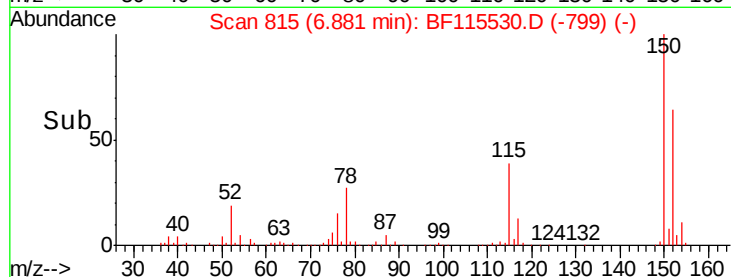
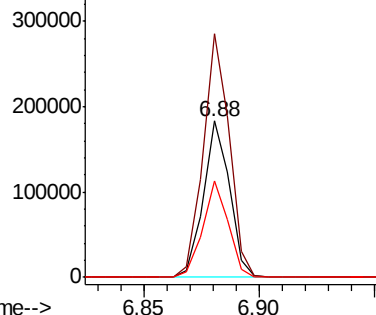


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

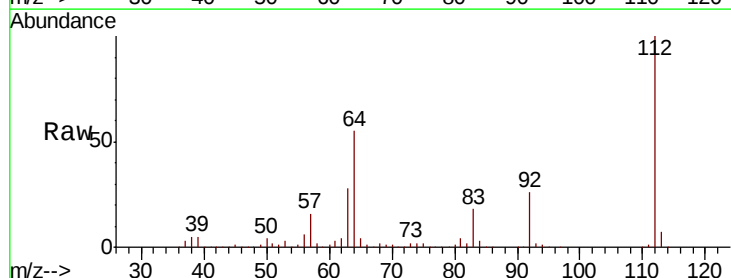
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 53.790 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	46.8	70.2
63	27.8	24.1	36.1

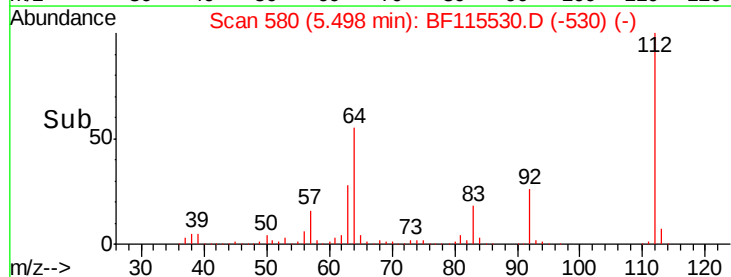
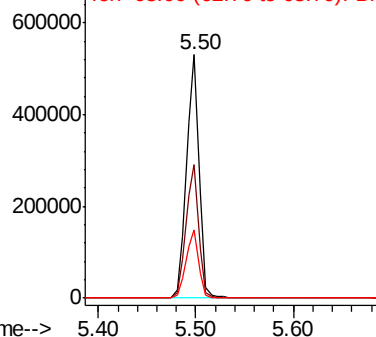


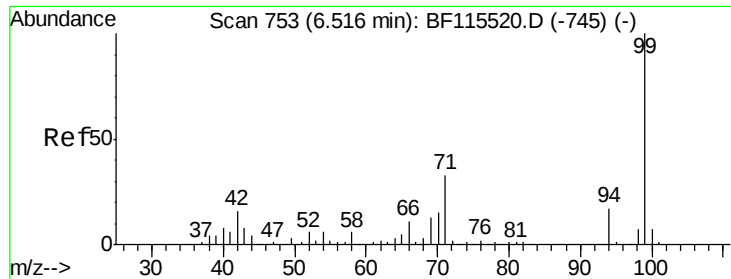
Abundance

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: 54.321 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115530.D

Acq: 12 Jul 2019 17:03

Instrument :

BNA_F

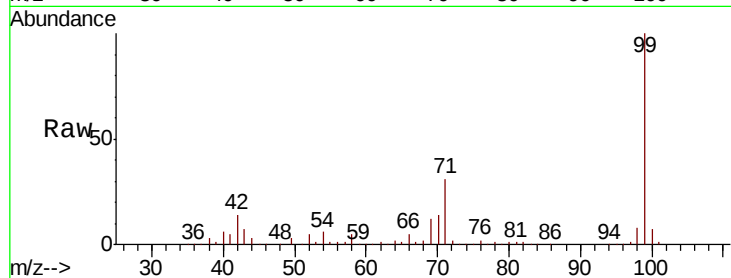
ClientSampleId :

SU-04-071119-B

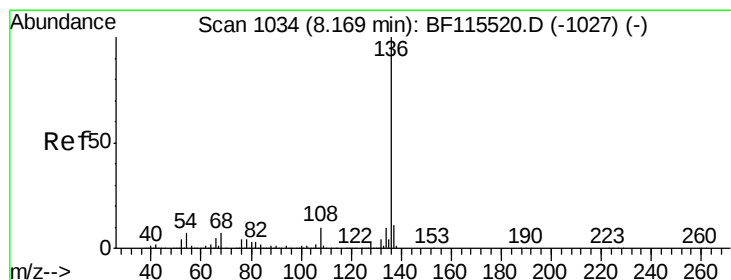
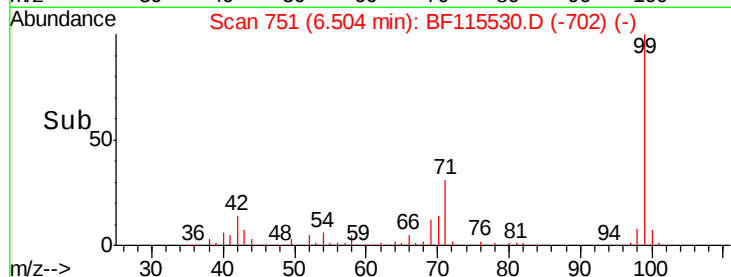
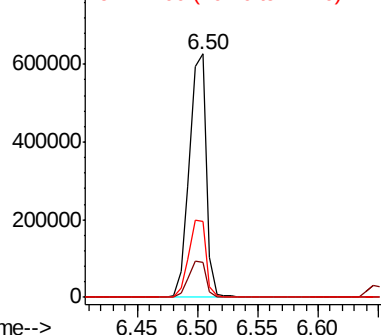
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		606115		
42	14.5	13.6	20.4		
71	31.2	28.5	42.7		

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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: 8.16 min Scan# 1033

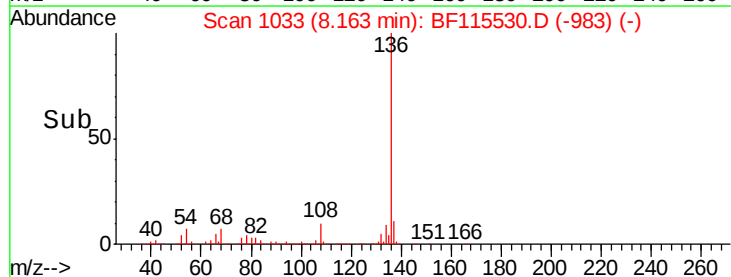
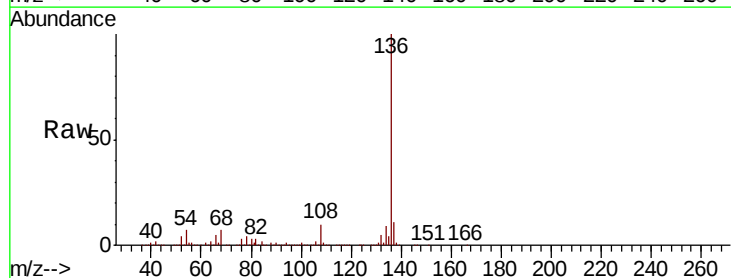
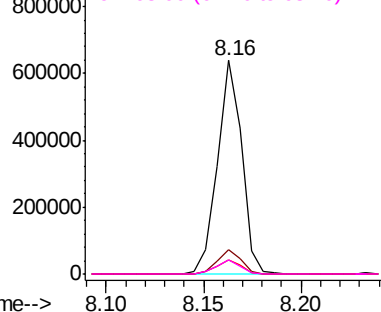
Delta R.T. -0.01 min

Lab File: BF115530.D

Acq: 12 Jul 2019 17:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		549283		
137	11.2	9.0	13.4		
54	6.8	5.6	8.4		
68	6.5	5.0	7.6		

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





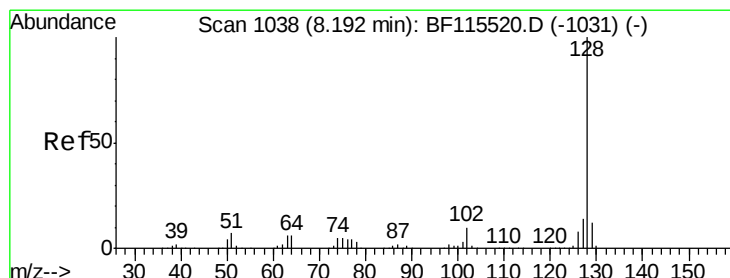
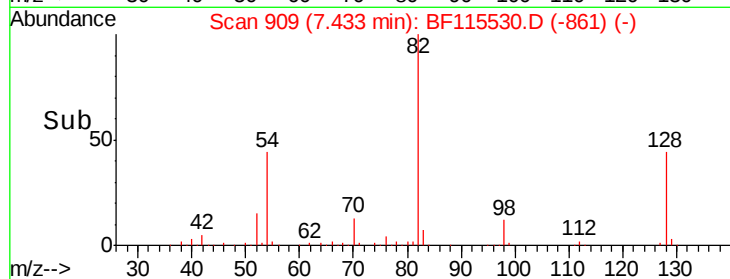
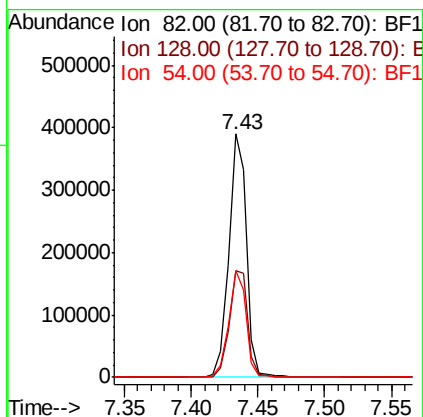
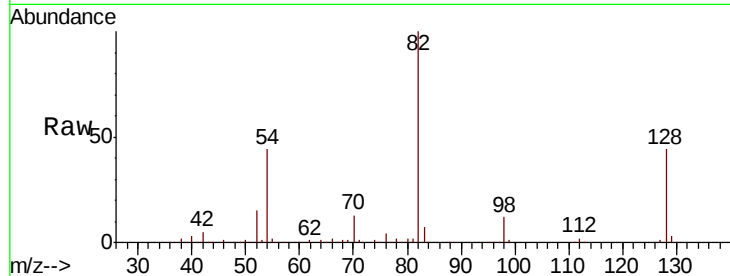
#23
Nitrobenzene-d5
Concen: 38.598 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.0	38.6	57.8
54	43.7	35.6	53.4

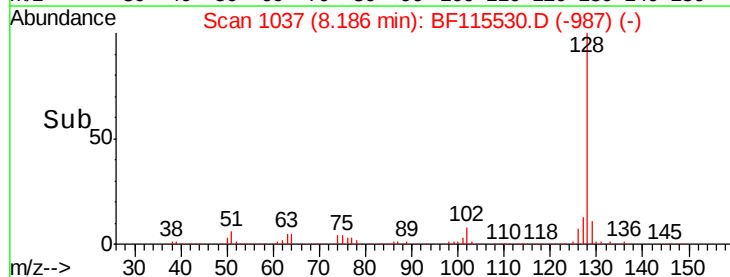
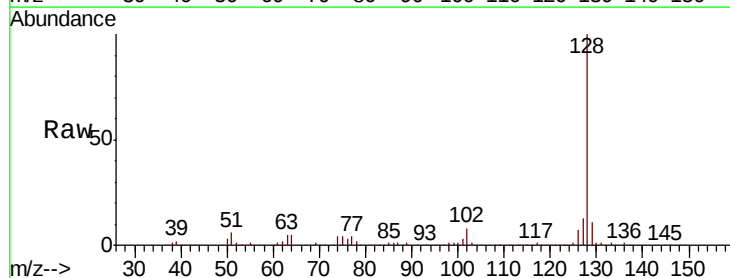
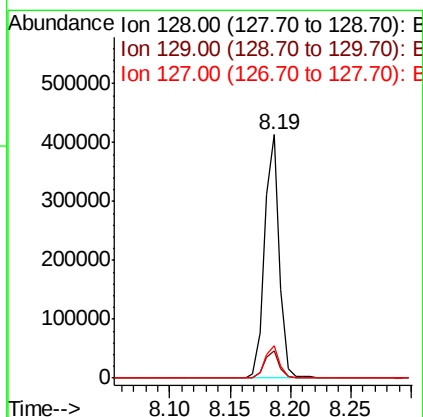
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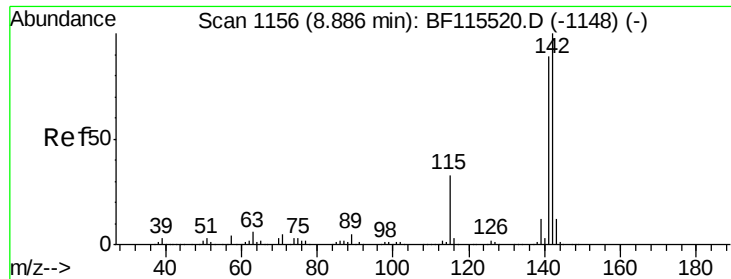
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#31
Naphthalene
Concen: 13.182 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.9	14.9
127	13.2	12.1	18.1





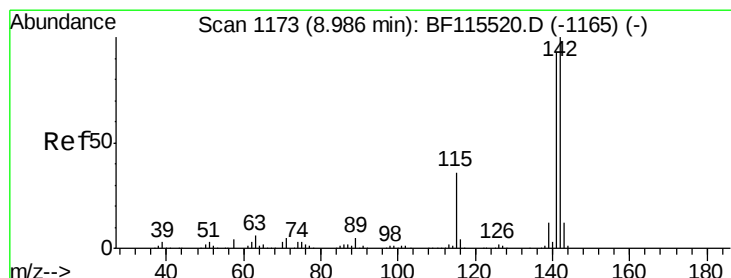
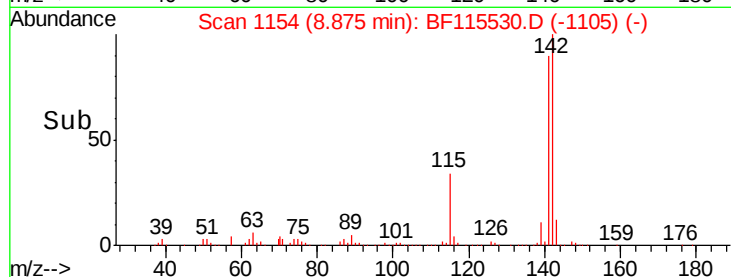
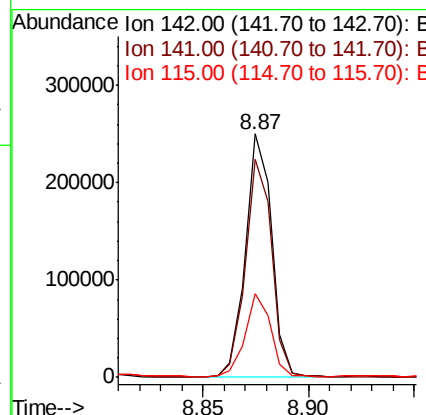
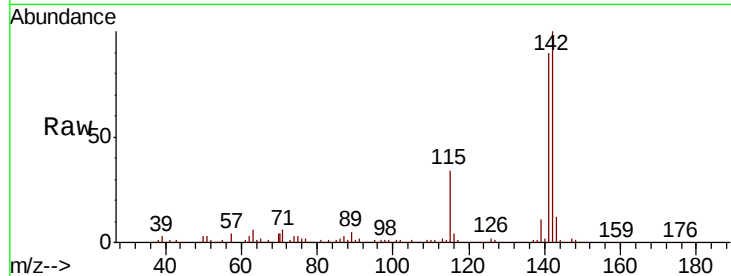
#37
2-Methylnaphthalene
Concen: 12.252 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-B

Tot Ion	Ratio	Resp	Lower	Upper
142	100	216045		
141	89.7	72.0	108.0	
115	34.4	29.9	44.9	

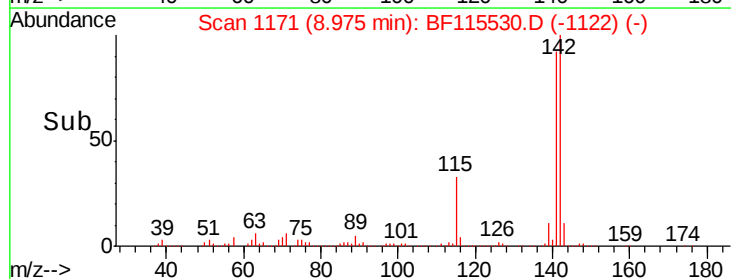
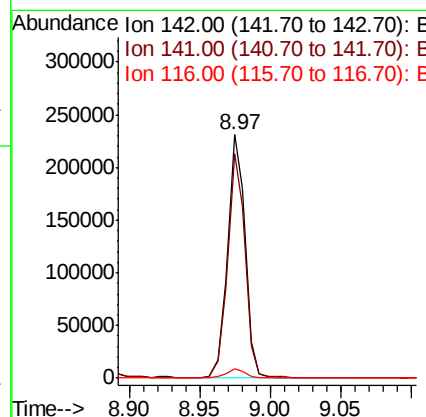
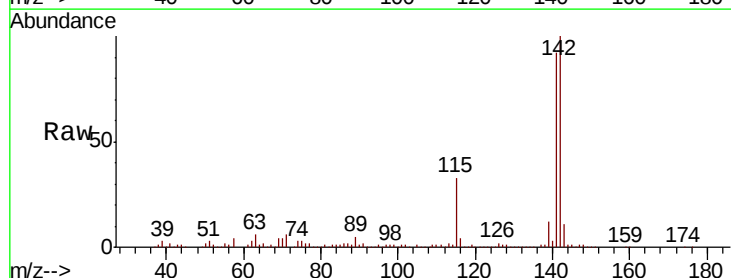
Manual Integrations
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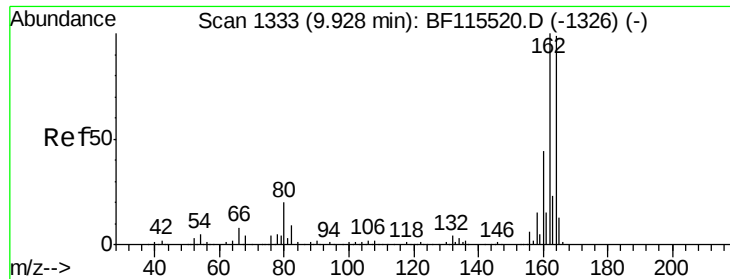
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#38
1-Methylnaphthalene
Concen: 11.857 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	198601		
141	91.9	75.3	112.9	
116	3.8	3.3	4.9	





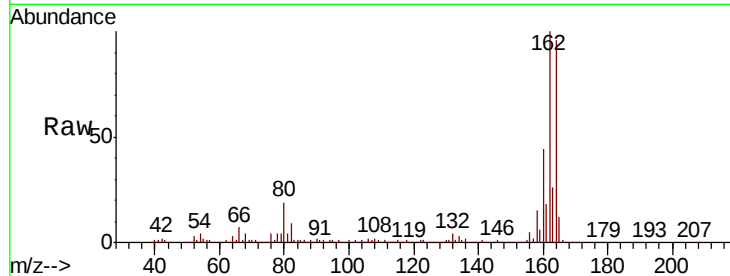
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.9	82.9	124.3	
160	45.8	36.8	55.2	

Manual Integrations
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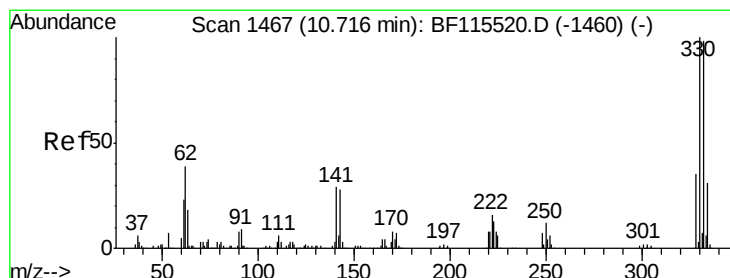
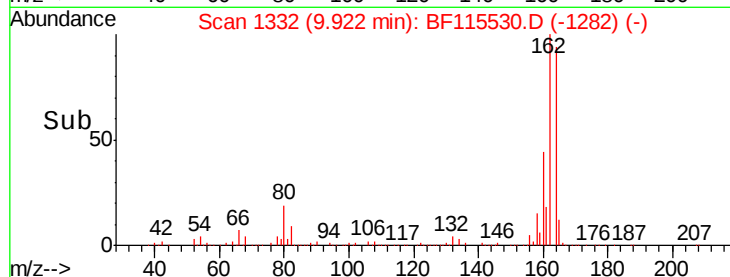
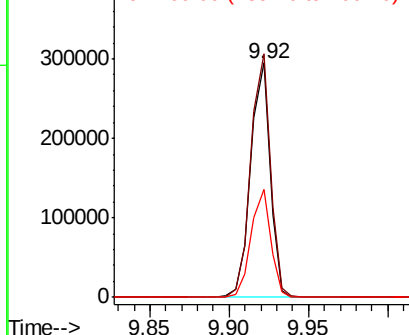


Abundance

Ion 164.00 (163.70 to 164.70): E

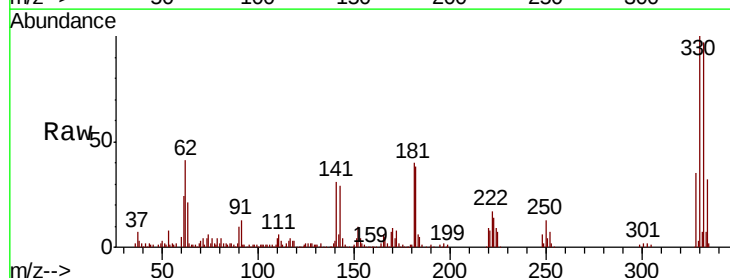
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 46.418 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	77.4	116.2	
141	33.3	22.4	33.6	

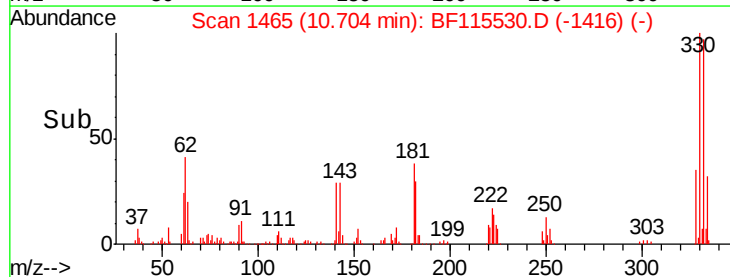
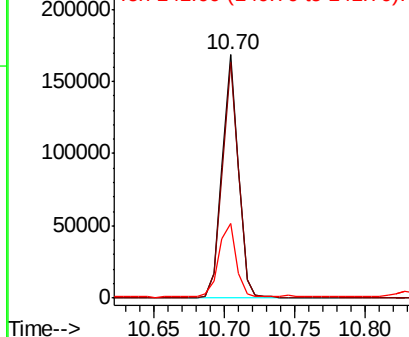


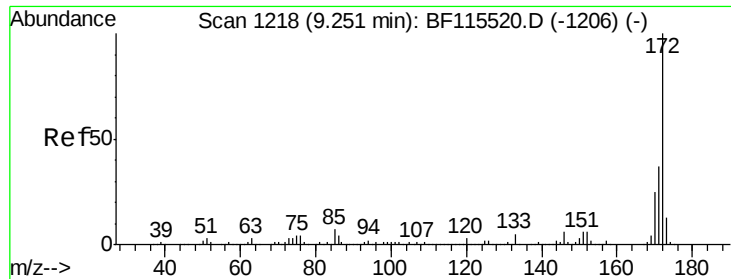
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





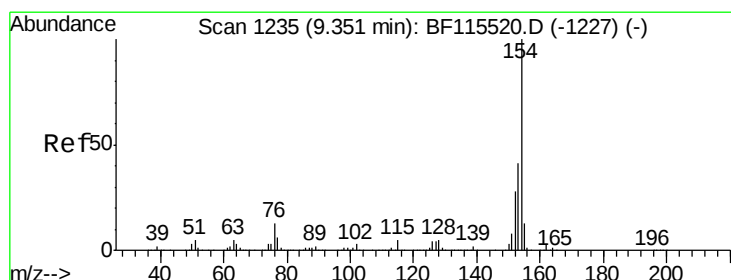
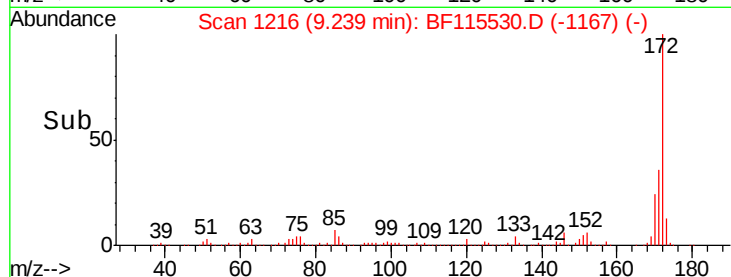
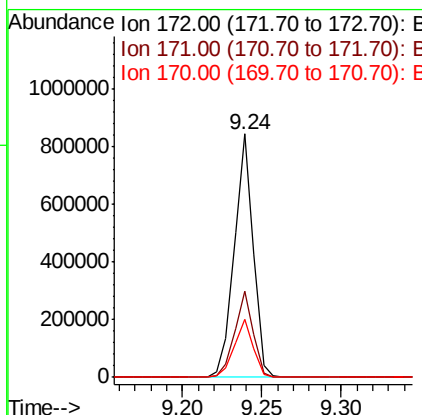
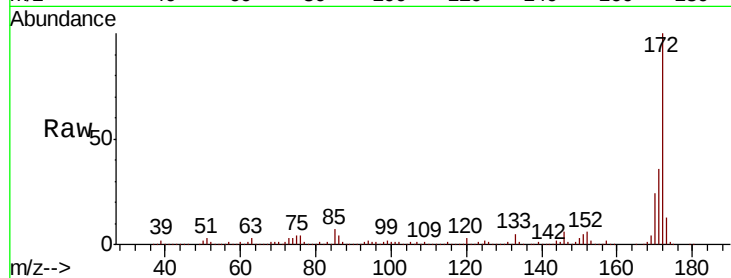
#45
2-Fluorobiphenyl
Concen: 48.573 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.6	46.0
170	23.9	20.5	30.7

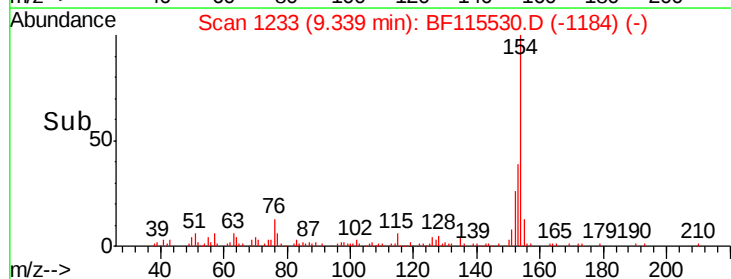
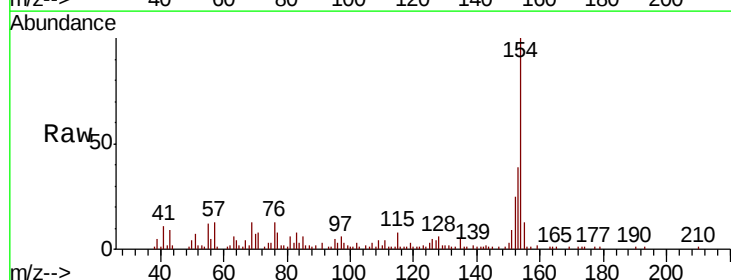
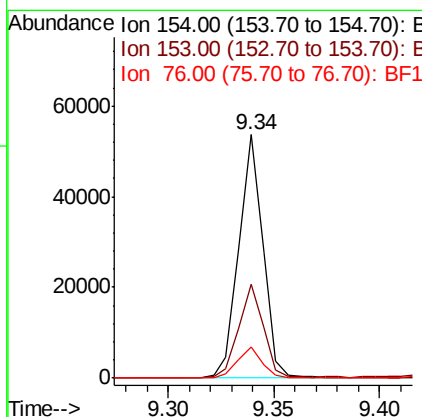
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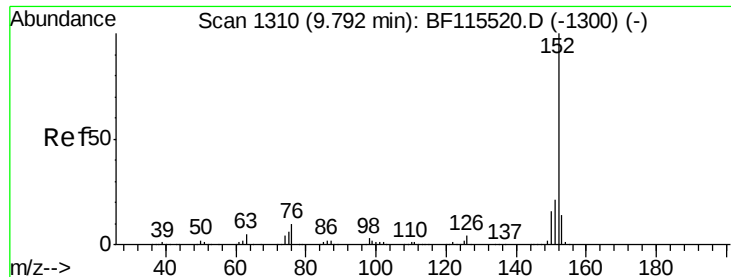
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#46
1,1'-Biphenyl
Concen: 2.142 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.6	22.6	62.6
76	12.9	0.0	33.4





#49

Acenaphthylene

Concen: 8.366 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF115530.D

Acq: 12 Jul 2019 17:03

Instrument :

BNA_F

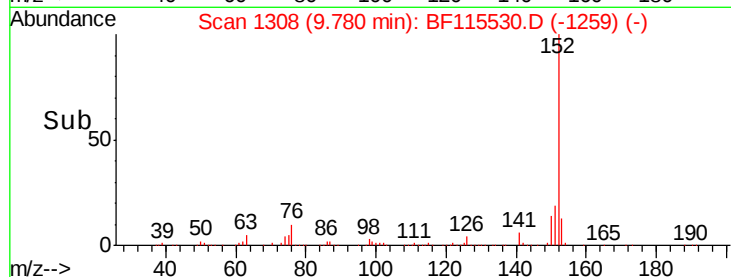
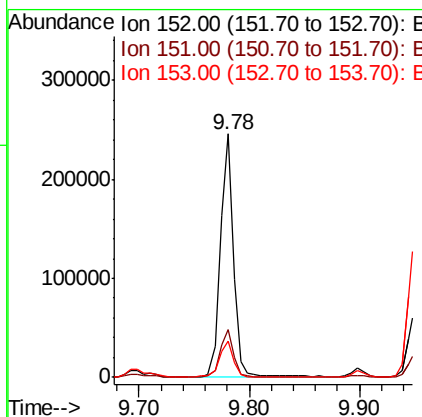
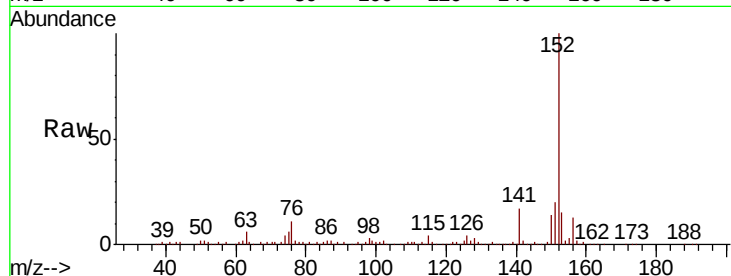
ClientSampleId :

SU-04-071119-B

Tot Ion:	152	Resp:	203563
Ion Ratio	Lower	Upper	
152	100		
151	19.5	17.7	26.5
153	15.0	12.0	18.0

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#50

Dimethylphthalate

Concen: 3.666 ng

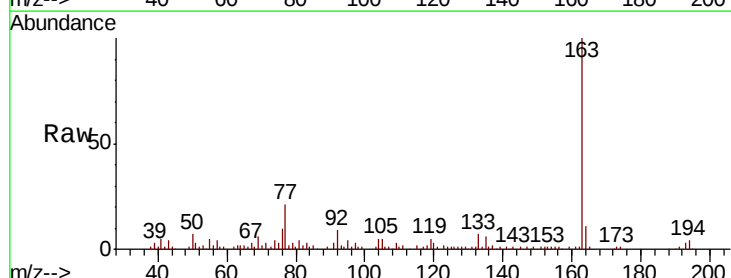
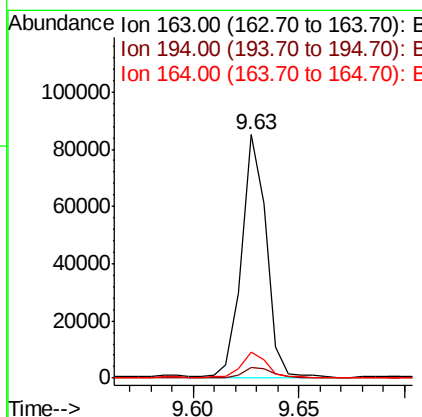
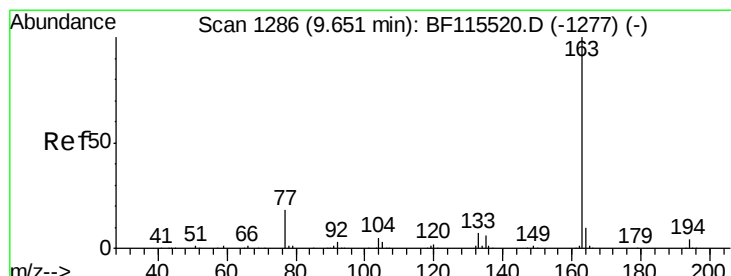
RT: 9.63 min Scan# 1282

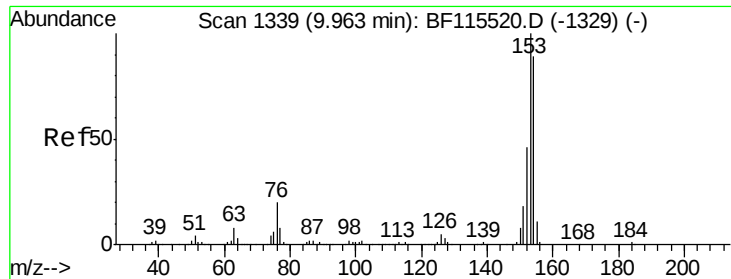
Delta R.T. -0.02 min

Lab File: BF115530.D

Acq: 12 Jul 2019 17:03

Tgt Ion:	163	Resp:	69580
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.3	4.9
164	10.7	8.7	13.1





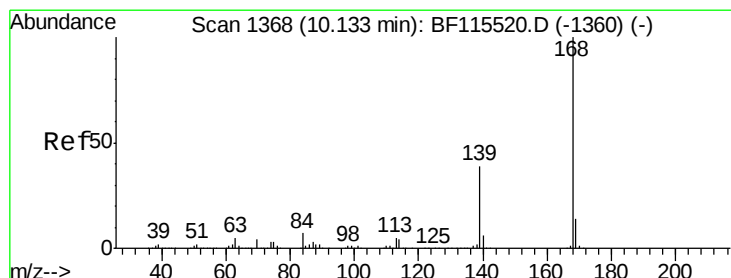
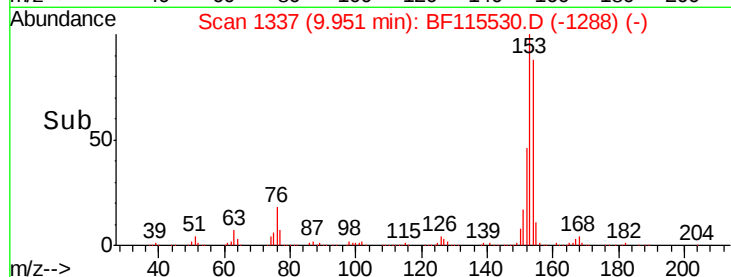
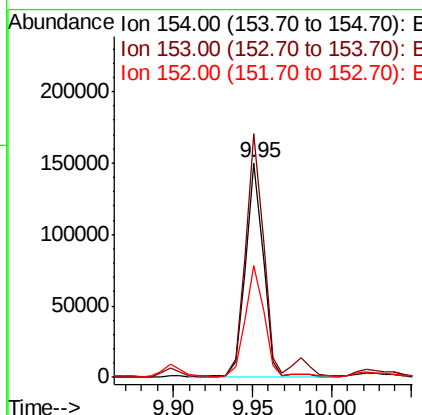
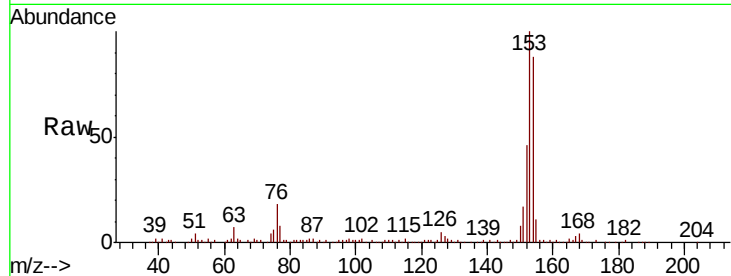
#52
Acenaphthene
Concen: 7.477 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-B

Tot Ion	Ratio	Resp	Lower	Upper
154	100	117456		
153	113.7	88.6	133.0	
152	52.2	42.3	63.5	

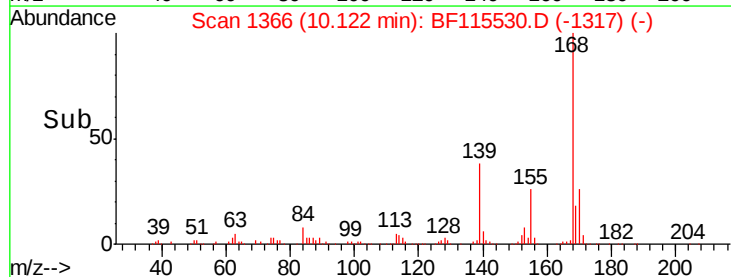
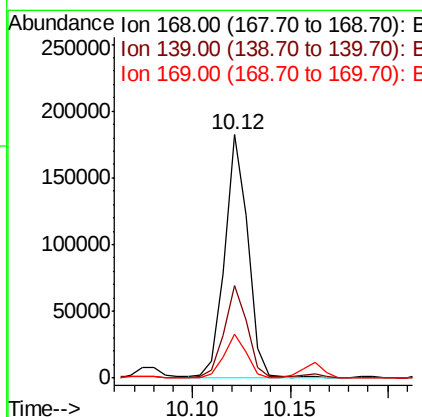
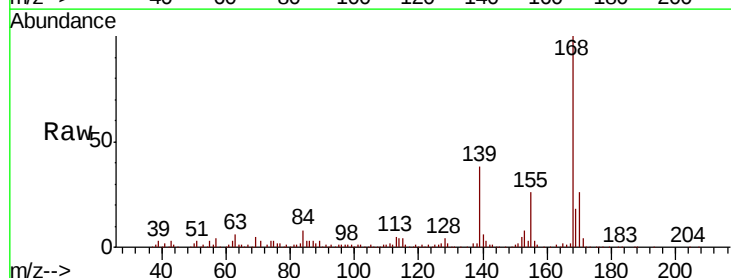
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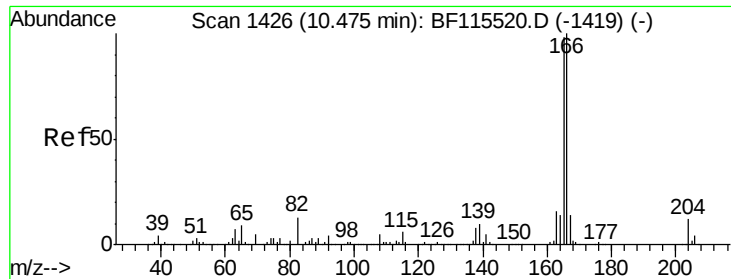
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#55
Dibenzofuran
Concen: 6.683 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	149105		
139	38.2	31.1	46.7	
169	18.1	11.1	16.7	#





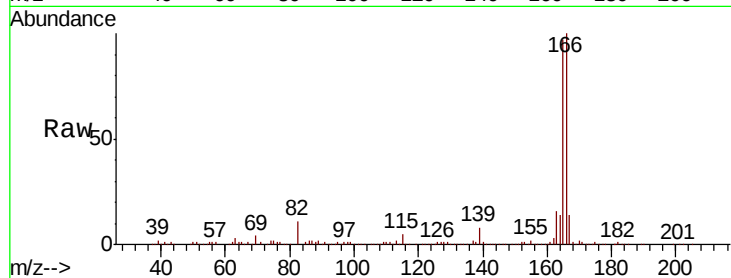
#58
Fluorene
 Concen: 15.836 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF115530.D
 Acq: 12 Jul 2019 17:03

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071119-B

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.8	79.8	119.6
167	13.7	11.2	16.8

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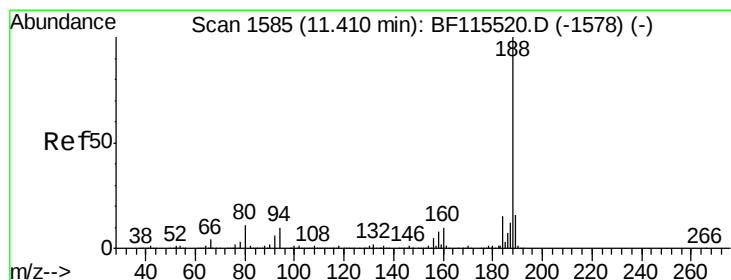
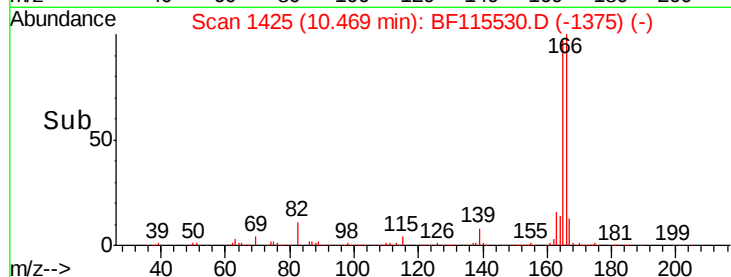
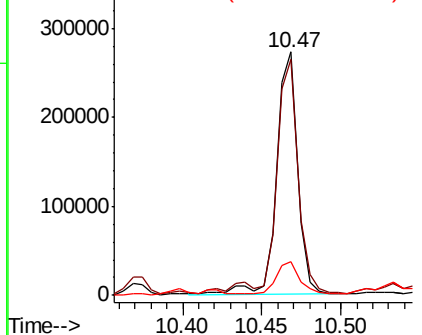


Abundance

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: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115530.D
 Acq: 12 Jul 2019 17:03

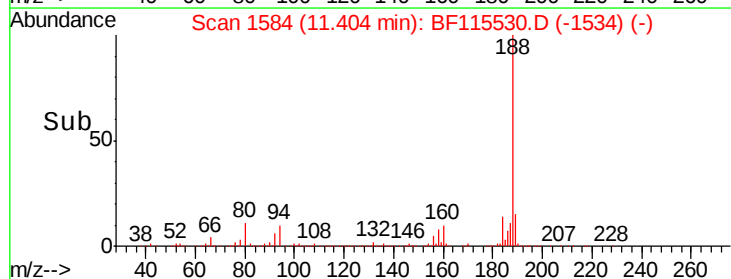
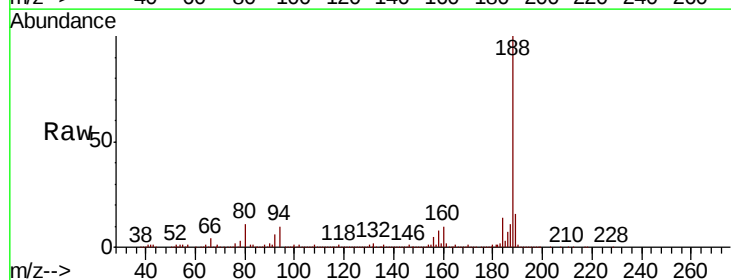
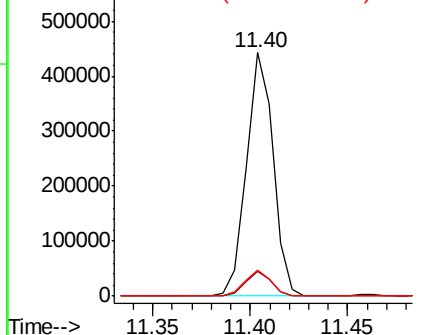
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.8	11.6
80	10.8	8.6	13.0

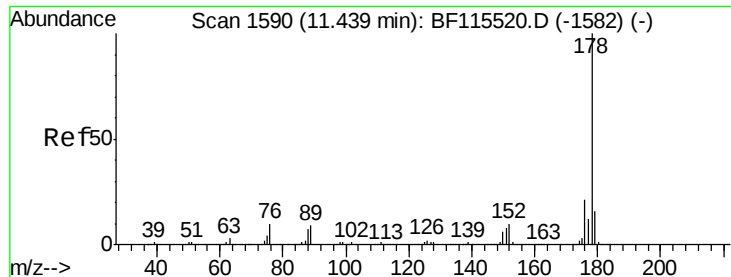
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 68.447 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF115530.D

Acq: 12 Jul 2019 17:03

Instrument :

BNA_F

ClientSampleId :

SU-04-071119-B

Tot Ion:178 Resp: 1477465

Ion Ratio Lower Upper

178 100

176 19.8 17.2 25.8

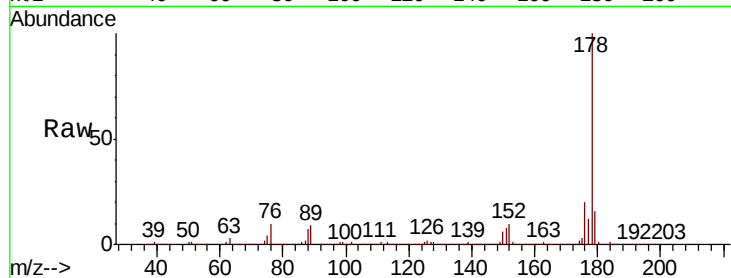
179 16.0 13.5 20.3

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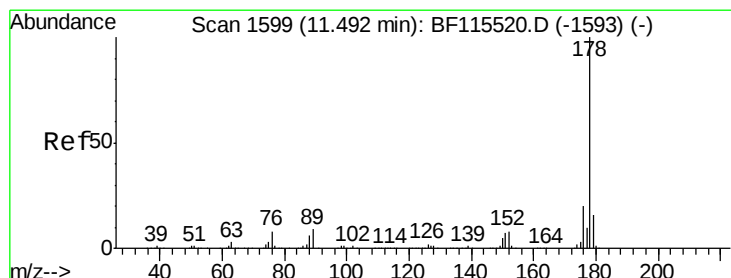
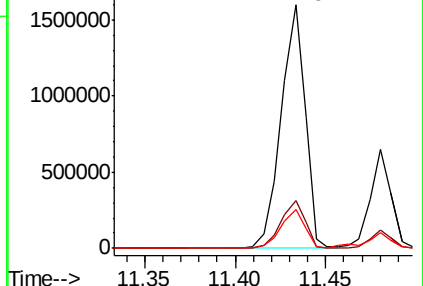
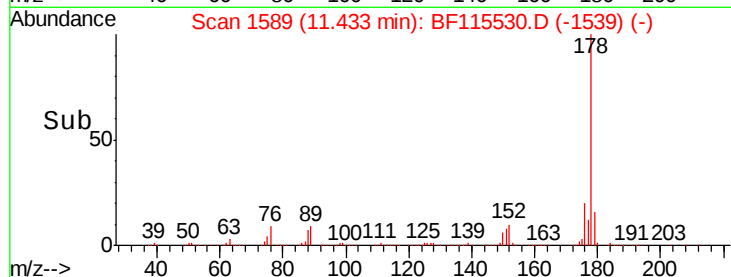
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 22.203 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF115530.D

Acq: 12 Jul 2019 17:03

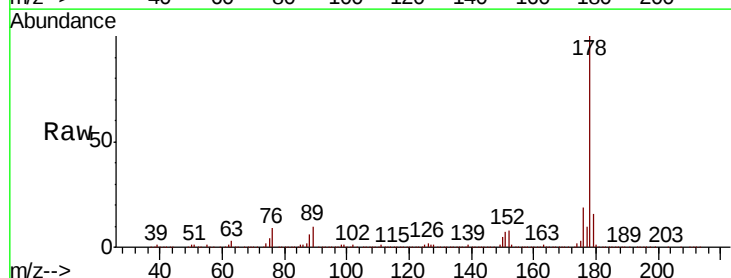
Tgt Ion:178 Resp: 495298

Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

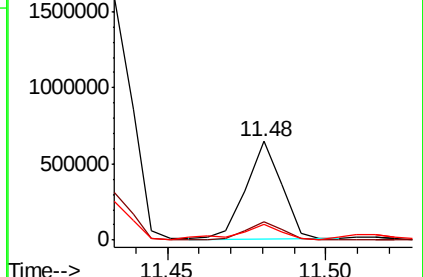
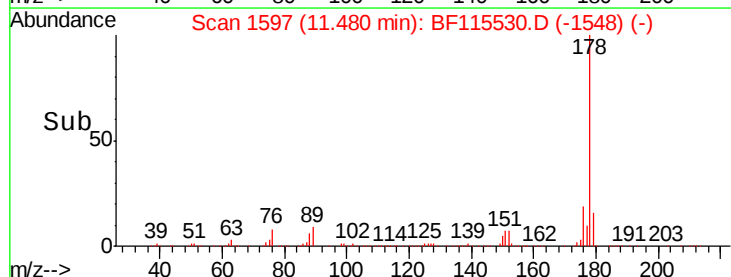
179 15.8 12.7 19.1

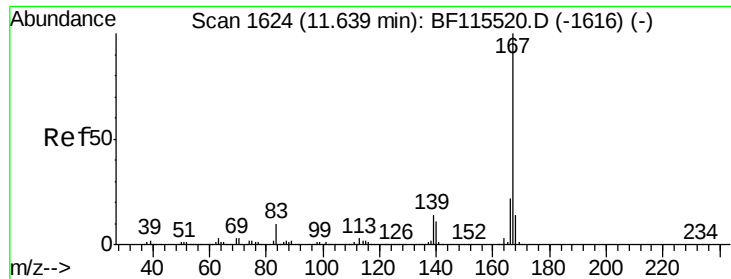


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





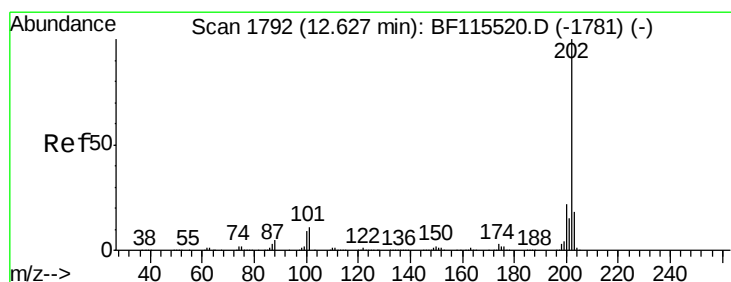
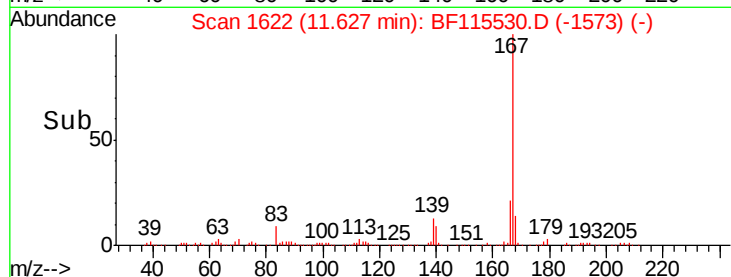
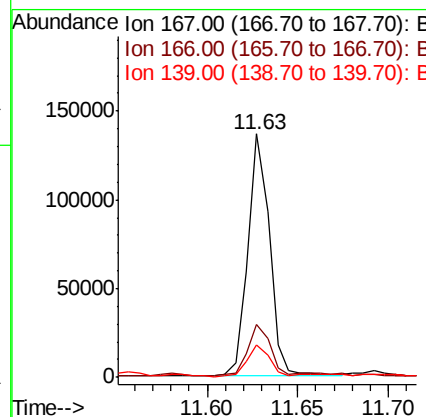
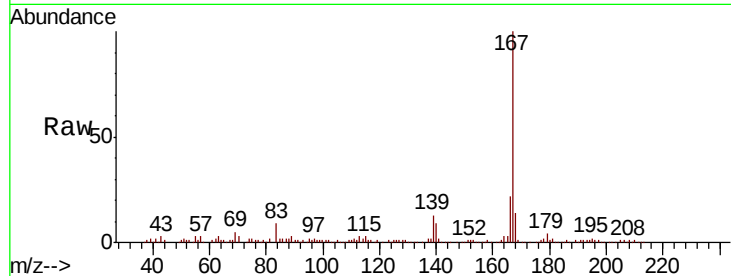
#73
 Carbazole
 Concen: 5.842 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BF115530.D
 Acq: 12 Jul 2019 17:03

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071119-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	21.9	18.1	27.1		
139	13.3	11.3	16.9		

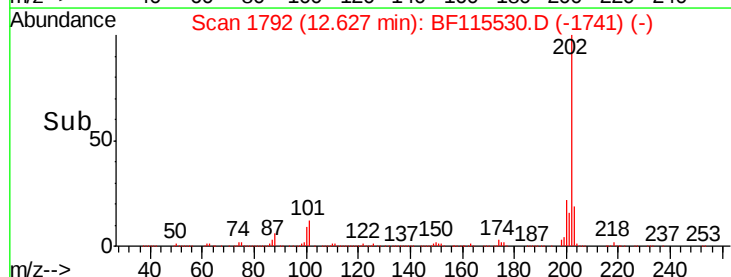
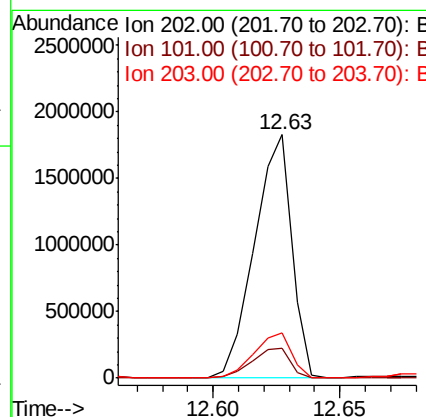
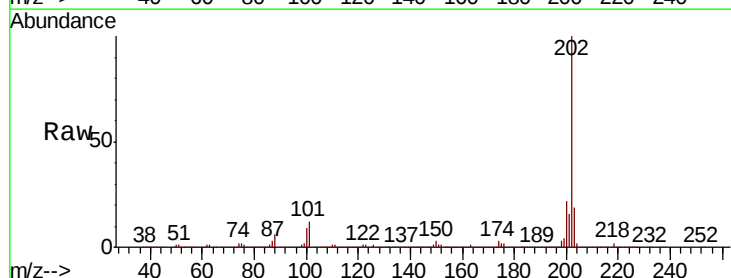
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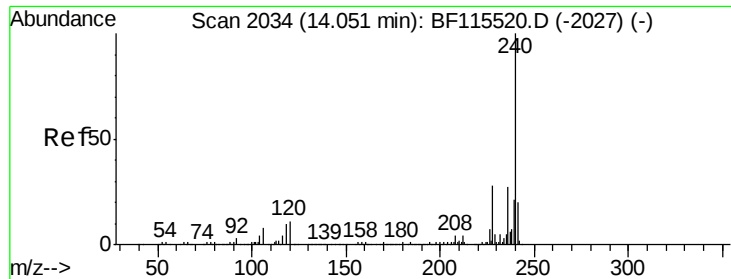
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#75
 Fluoranthene
 Concen: 82.416 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: BF115530.D
 Acq: 12 Jul 2019 17:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.2	0.0	31.4		
203	18.7	0.0	38.1		





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115530.D

Acq: 12 Jul 2019 17:03

Instrument :

BNA_F

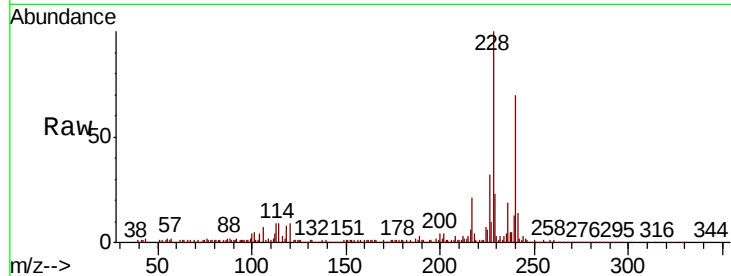
ClientSampleId :

SU-04-071119-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	8.6	13.0
236	27.3	21.3	31.9

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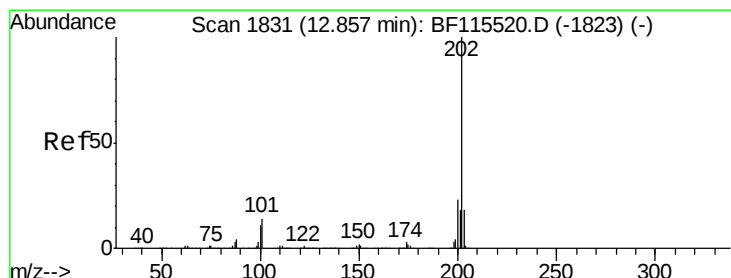
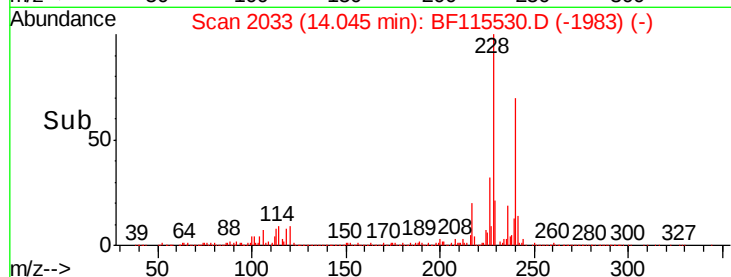
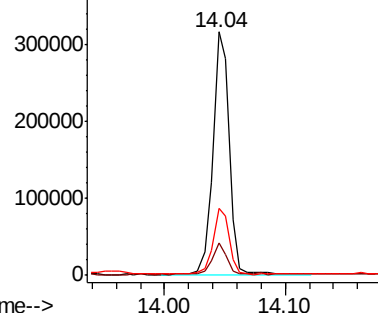


Abundance

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: 73.674 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF115530.D

Acq: 12 Jul 2019 17:03

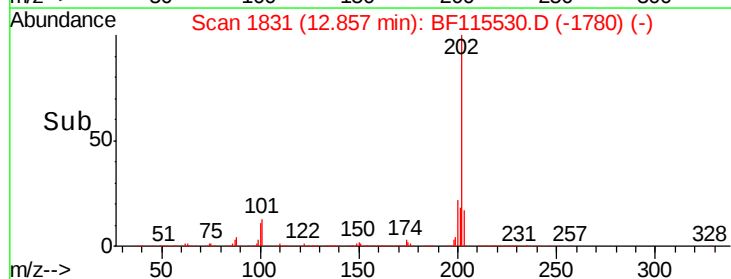
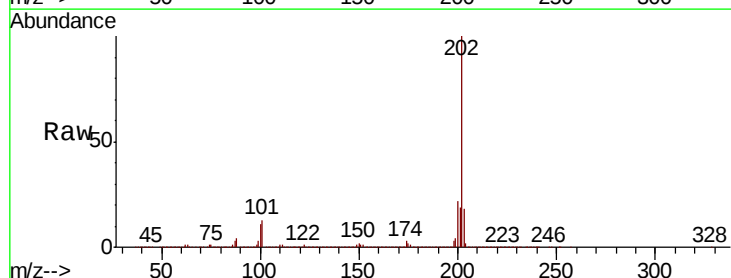
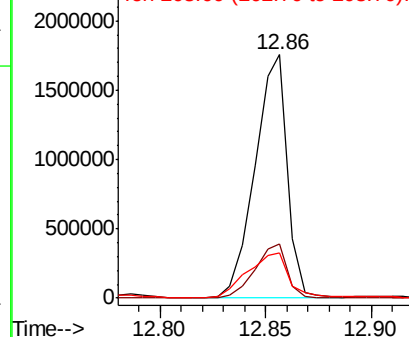
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	18.7	28.1
203	18.4	15.2	22.8

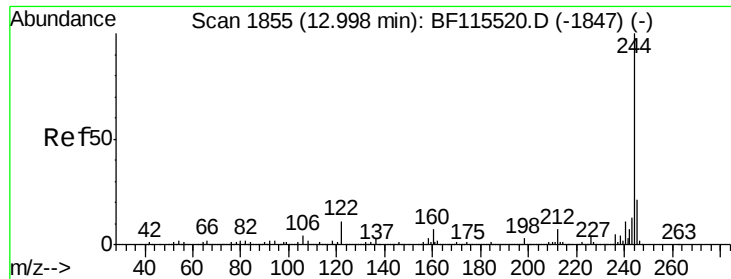
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





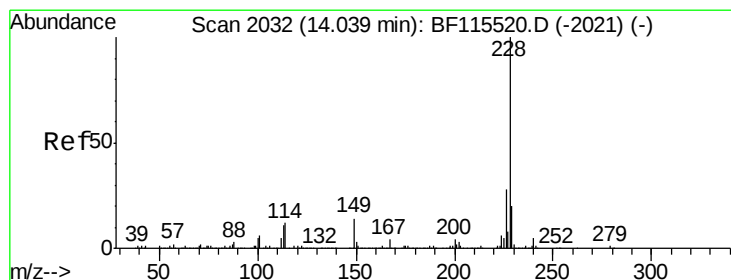
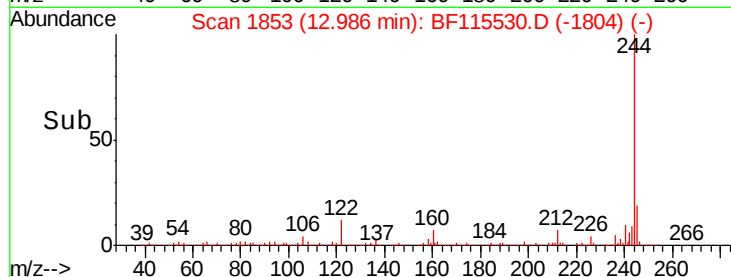
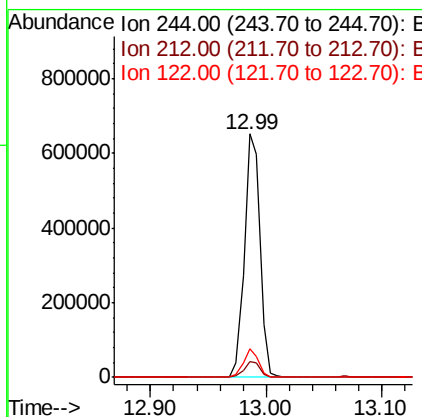
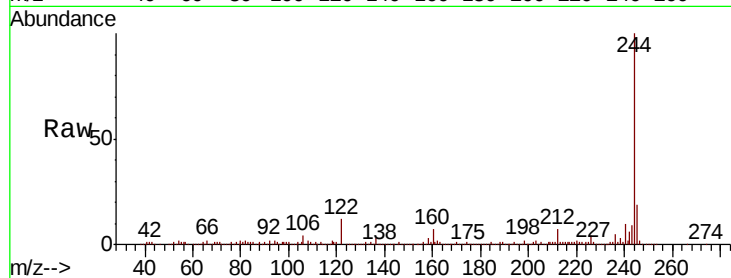
#79
 Terphenyl-d14
 Concen: 37.957 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF115530.D
 Acq: 12 Jul 2019 17:03

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071119-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	12.0	8.6	12.8

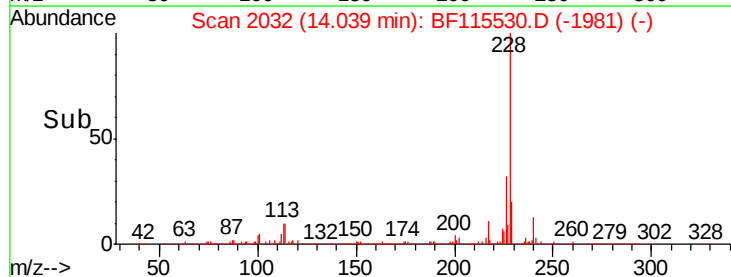
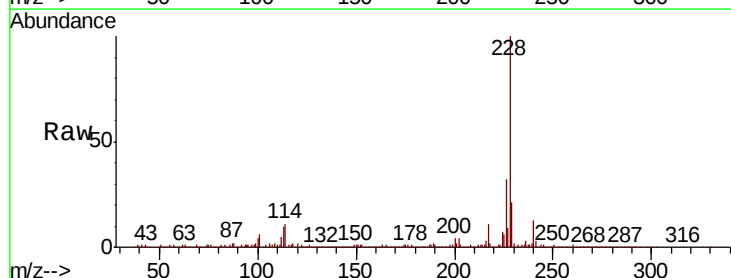
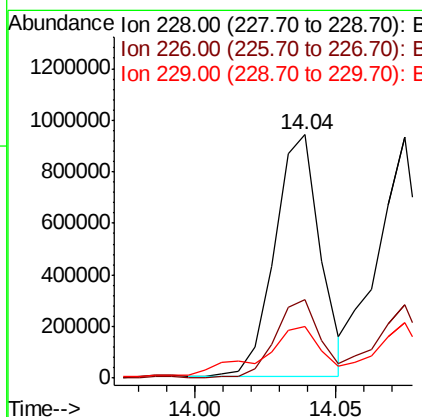
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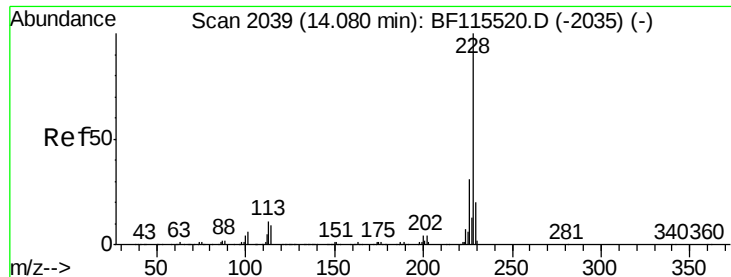
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#81
 Benzo(a)anthracene
 Concen: 53.511 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: BF115530.D
 Acq: 12 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	23.4	35.0
229	21.3	17.2	25.8





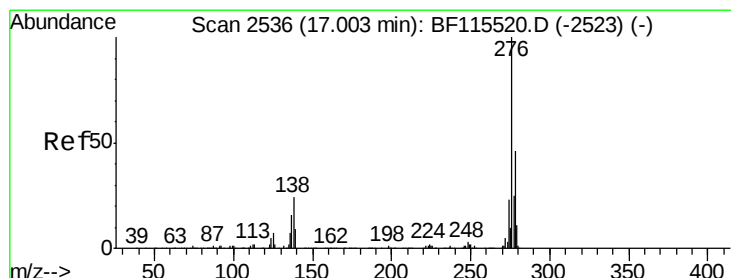
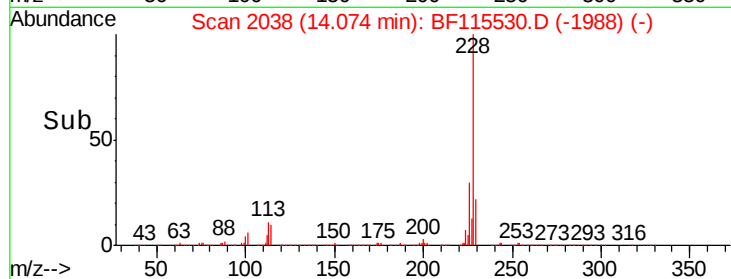
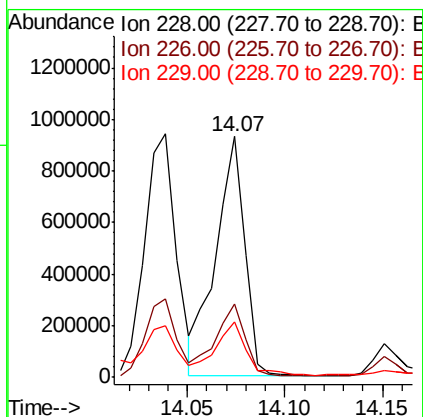
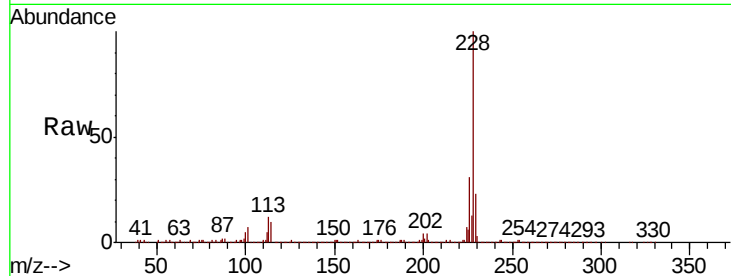
#83
Chrysene
Concen: 49.097 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.7	38.5
229	23.2	16.6	25.0

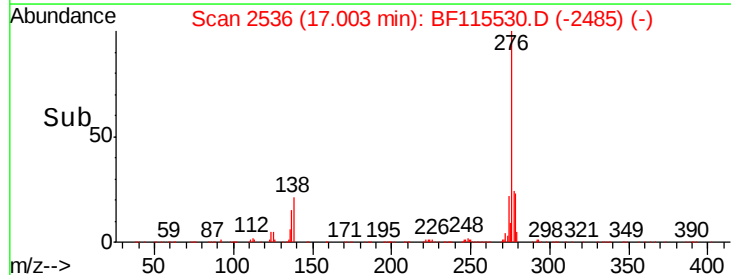
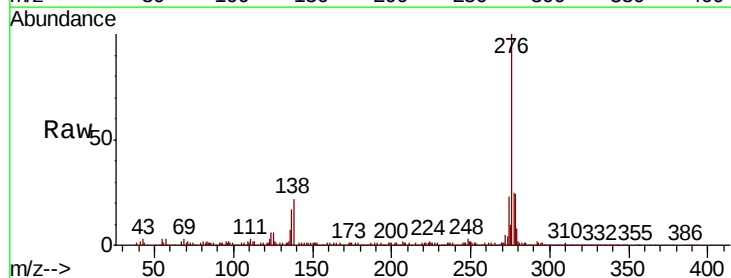
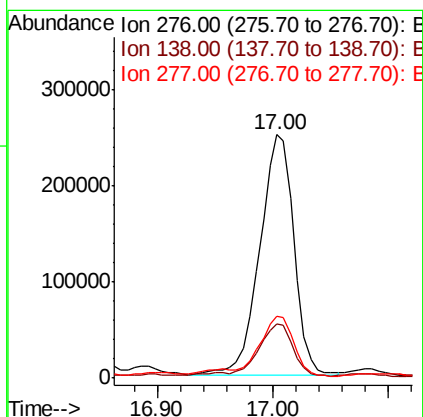
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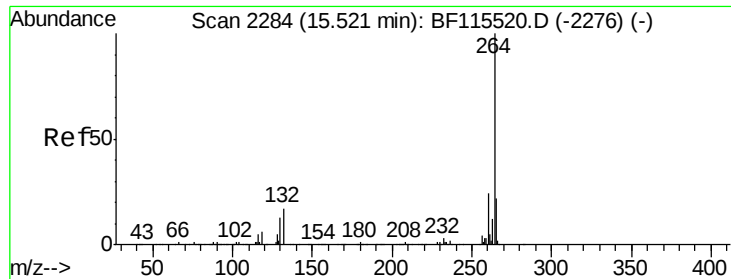
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#86
Indeno(1,2,3-cd)pyrene
Concen: 30.784 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.00 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	20.2	30.2
277	27.1	20.4	30.6





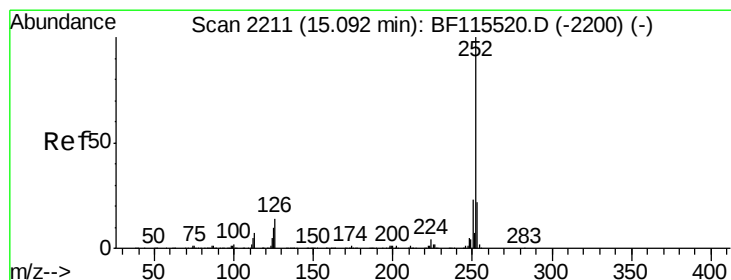
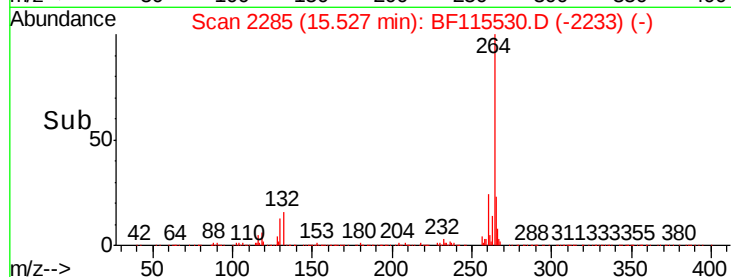
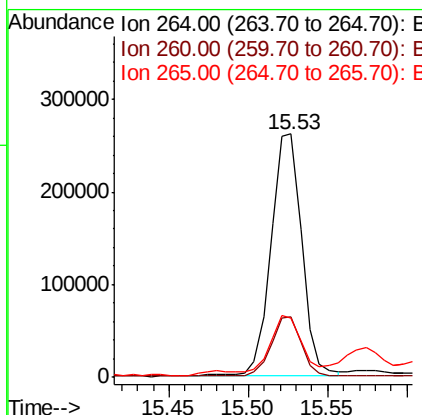
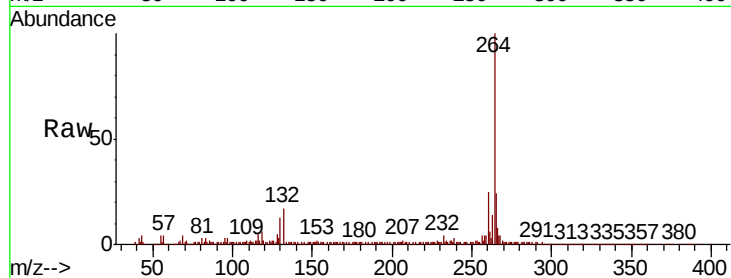
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Instrument :
BNA_F
ClientSampled :
SU-04-071119-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.8	29.8
265	24.2	17.7	26.5

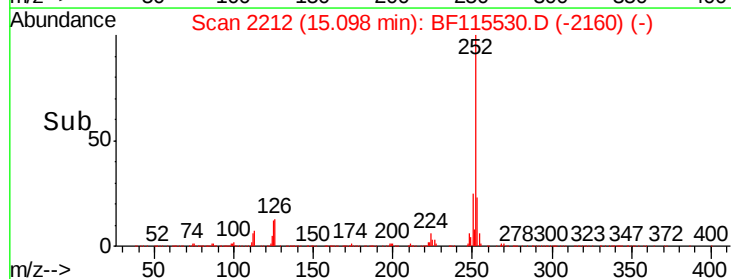
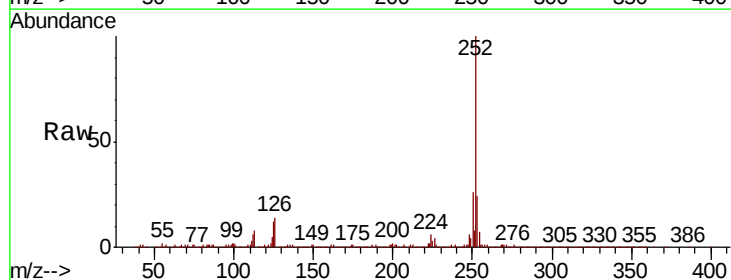
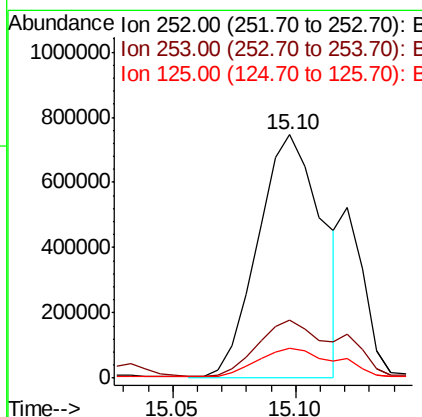
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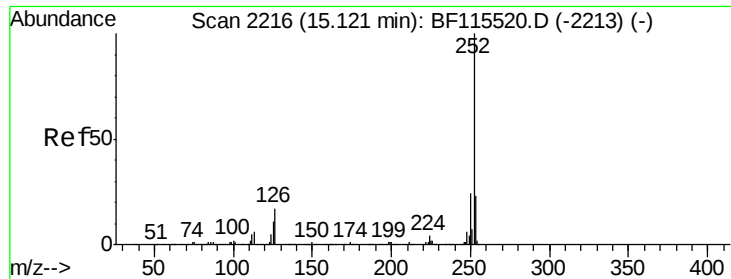
mohammad
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#88
Benzo(b)fluoranthene
Concen: 59.639 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	12.1	9.0	13.4





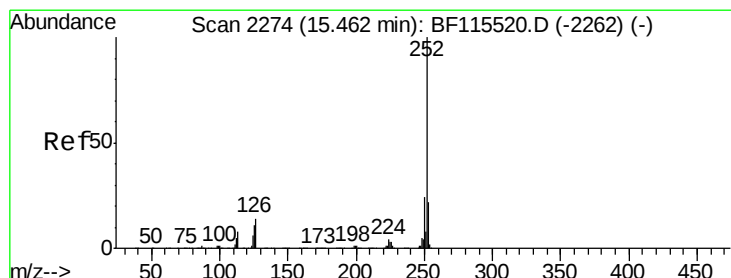
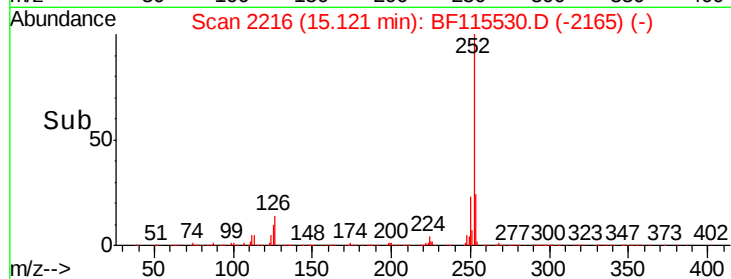
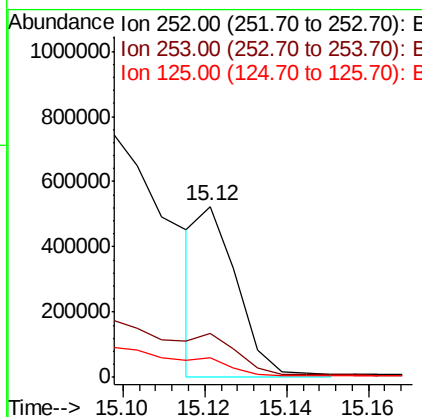
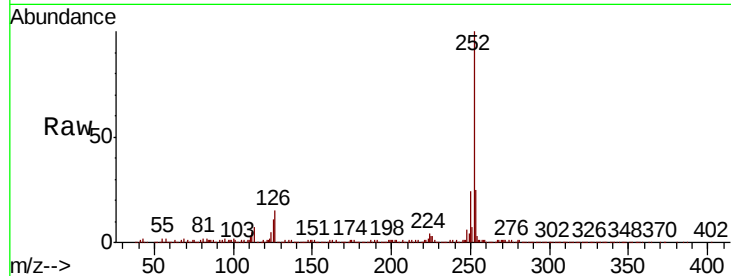
#89
Benzo(k)fluoranthene
Concen: 17.004 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.6	28.0
125	11.1	9.0	13.6

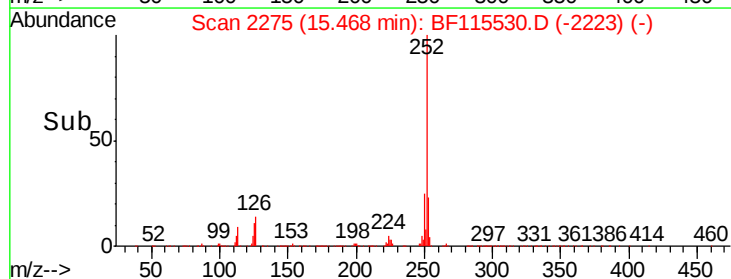
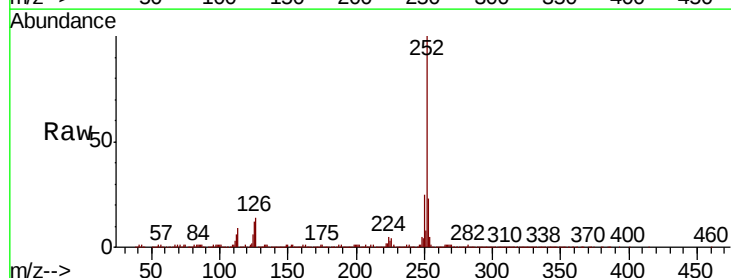
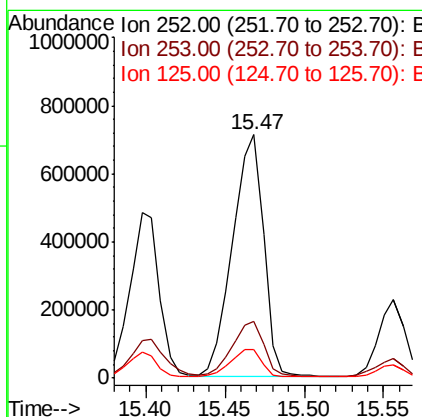
Manual Integrations
APPROVED

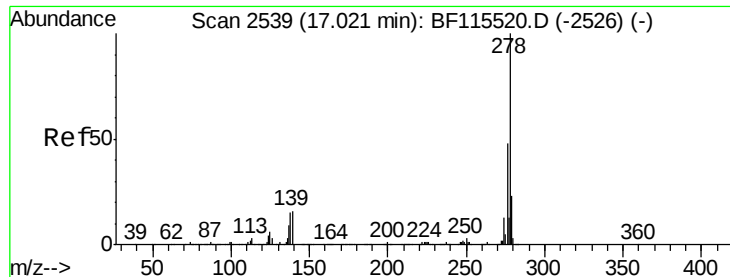
mohammad
7/15/2019 2:57:25 PM



#90
Benzo(a)pyrene
Concen: 49.057 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	11.8	9.1	13.7





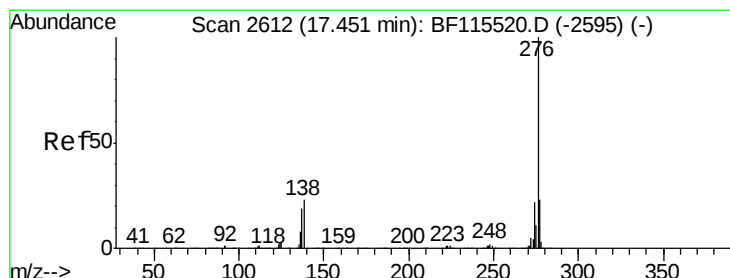
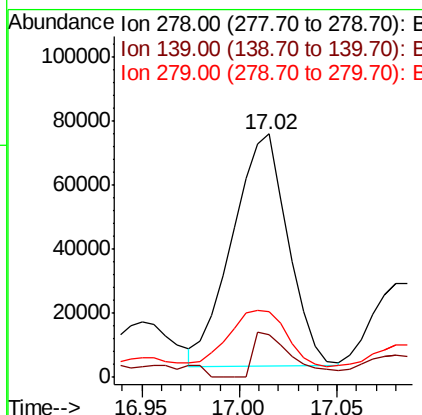
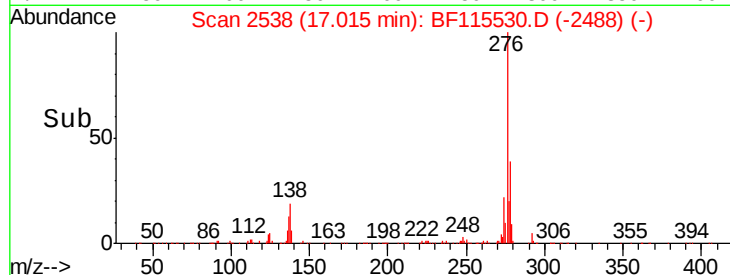
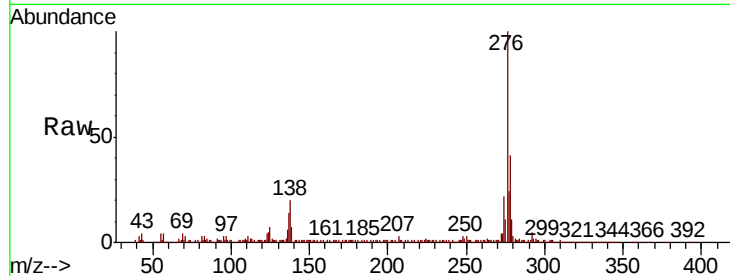
#91
Dibenzo(a,h)anthracene
Concen: 8.251 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Instrument :
BNA_F
ClientSampleId :
SU-04-071119-B

Tot Ion:	278	Resp:	142707
Ion Ratio	Lower	Upper	
278	100		
139	17.7	13.1	19.7
279	27.0	19.6	29.4

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 26.248 ng
RT: 17.46 min Scan# 2613
Delta R.T. 0.01 min
Lab File: BF115530.D
Acq: 12 Jul 2019 17:03

Tgt Ion:	276	Resp:	452751
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.0	28.4
138	21.9	17.2	25.8

