

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115692.D
 Acq On : 20 Jul 2019 00:35
 Operator : HP/JU
 Sample : K3887-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AOC-7(3)

Manual Integrations
 APPROVED

mohammad
 7/22/2019 10:01:51 AM

Quant Time: Jul 20 04:39:42 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	204537	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	784512	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	345898	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	520174	20.00	ng	0.00
76) Chrysene-d12	14.04	240	327874	20.00	ng	0.00
87) Perylene-d12	15.52	264	306013	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1096258	87.67	ng	0.00
7) Phenol-d6	6.52	99	1428054	90.00	ng	0.00
23) Nitrobenzene-d5	7.44	82	883682	65.50	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	290279	71.90	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1285704	65.06	ng	-0.01
79) Terphenyl-d14	12.99	244	889804	50.08	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	8.19	128	354203	9.323	ng	95
37) 2-Methylnaphthalene	8.87	142	334662	13.288	ng	97
38) 1-Methylnaphthalene	8.97	142	279248	11.673	ng	99
49) Acenaphthylene	9.78	152	147566	4.423	ng	97
50) Dimethylphthalate	9.63	163	221509	8.512	ng	99
52) Acenaphthene	9.95	154	53584	2.488	ng	96
58) Fluorene	10.47	166	243350	11.128	ng	98
71) Phenanthrene	11.43	178	1129437	42.359	ng	98
72) Anthracene	11.48	178	215076	7.805	ng	98
75) Fluoranthene	12.62	202	860266	30.531	ng	99
78) Pyrene	12.85	202	1072339	38.603	ng	98
81) Benzo(a)anthracene	14.04	228	493946	22.867	ng	96
83) Chrysene	14.07	228	464473	21.420	ng	97
84) Bis(2-ethylhexyl)phthalate	14.02	149	144747	9.868	ng	# 97
86) Indeno(1,2,3-cd)pyrene	17.00	276	150428	8.166	ng	97
88) Benzo(b)fluoranthene	15.09	252	424946m	21.566	ng	
89) Benzo(k)fluoranthene	15.12	252	133113m	7.577	ng	
90) Benzo(a)pyrene	15.46	252	322886	19.065	ng	99
91) Dibenzo(a,h)anthracene	17.01	278	44470	2.991	ng	# 91
92) Benzo(a,h,i)perylene	17.45	276	146440	9.876	ng	96

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

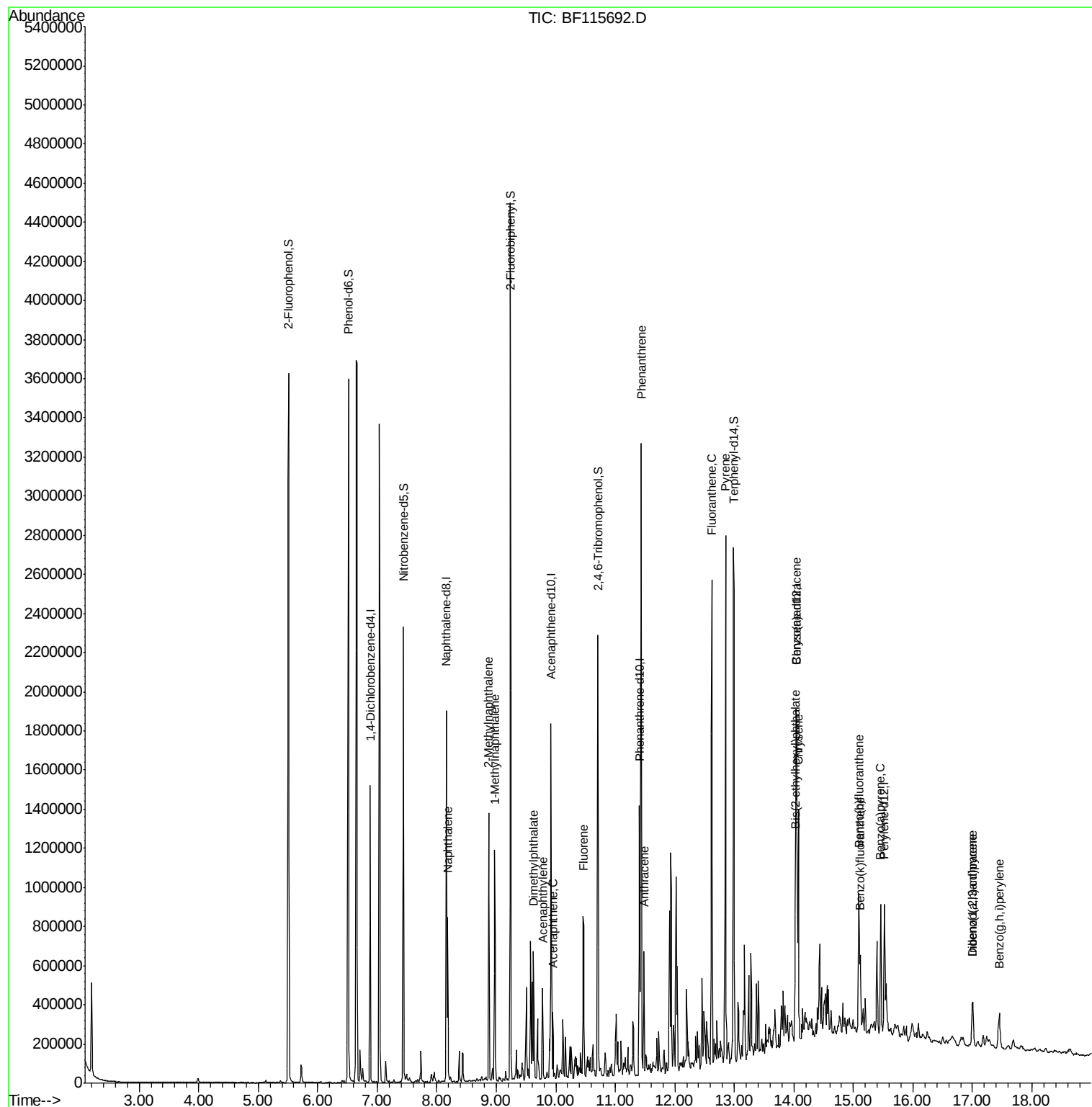
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
Data File : BF115692.D
Acq On : 20 Jul 2019 00:35
Operator : HP/JU
Sample : K3887-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

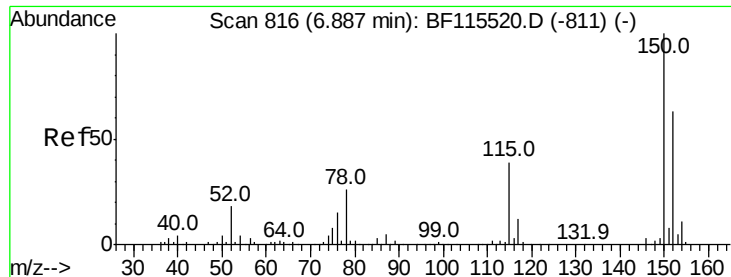
Instrument :
BNA_F
ClientSampled :
AOC-7(3)

Quant Time: Jul 20 04:39:42 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

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#1

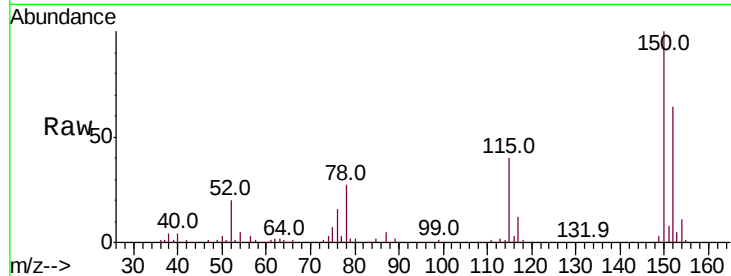
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Instrument :
BNA_F
ClientSampled :
AOC-7(3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	129.7	194.5
115	63.5	48.2	72.4

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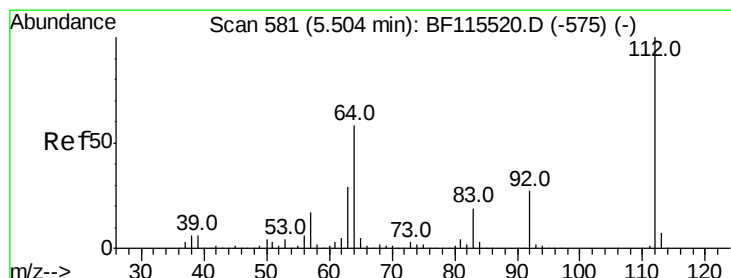
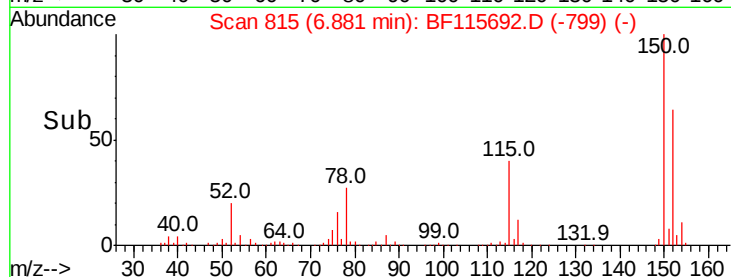
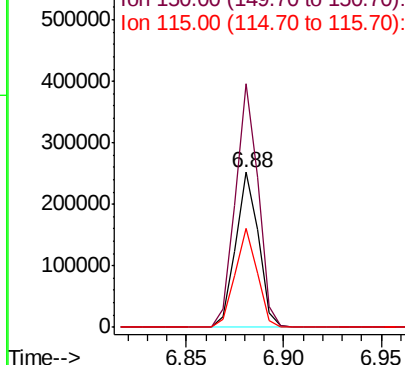


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

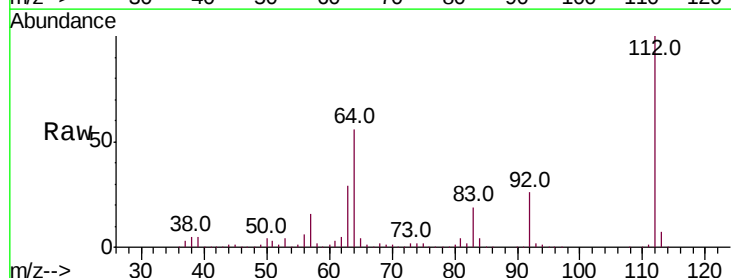
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.669 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	46.8	70.2
63	28.9	24.1	36.1

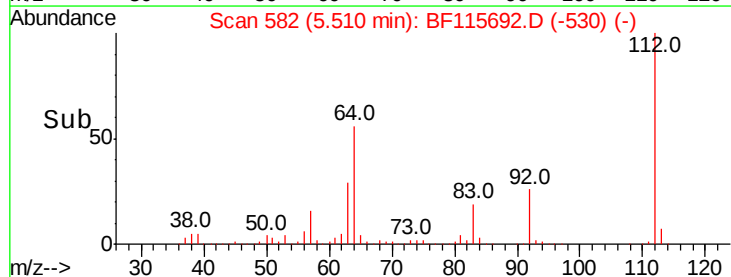
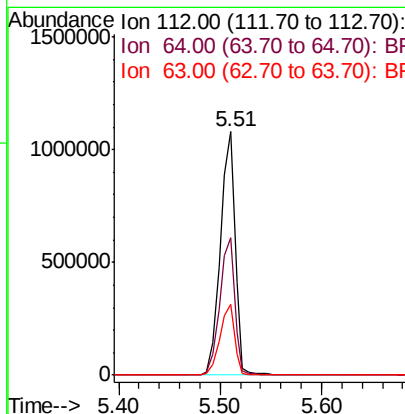


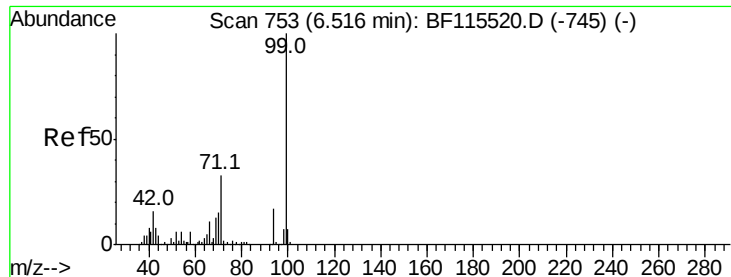
Abundance

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: 90.003 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115692.D

Acq: 20 Jul 2019 00:35

Instrument :

BNA_F

ClientSampleId :

AOC-7(3)

Tot Ion: 99 Resp: 1428054

Ion Ratio Lower Upper

99 100

42 16.1 13.6 20.4

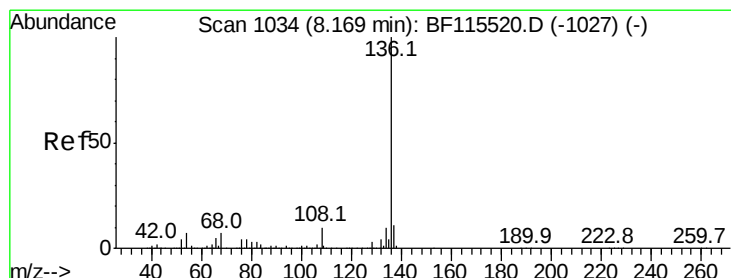
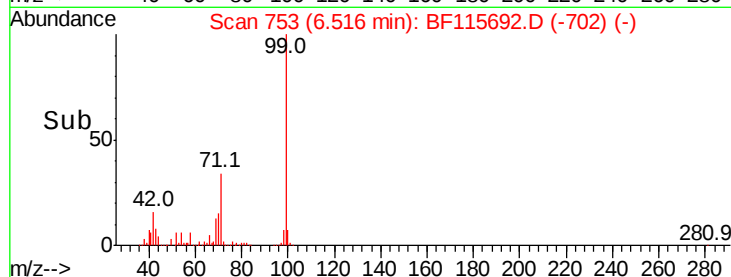
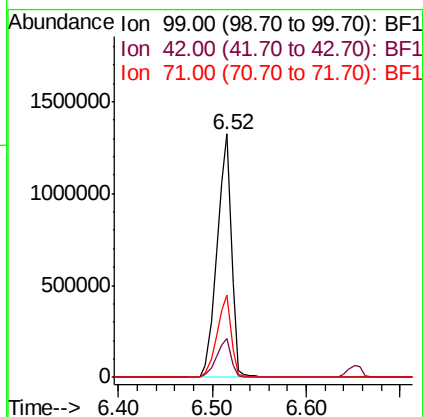
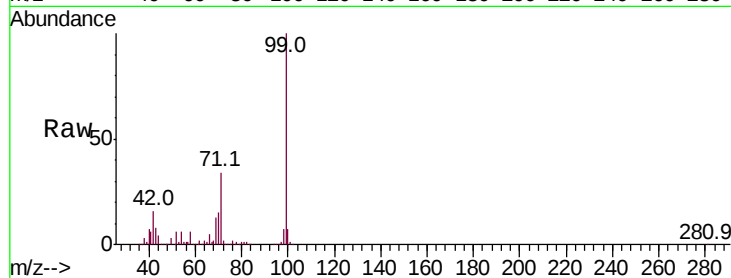
71 34.0 28.5 42.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115692.D

Acq: 20 Jul 2019 00:35

Tgt Ion: 136 Resp: 784512

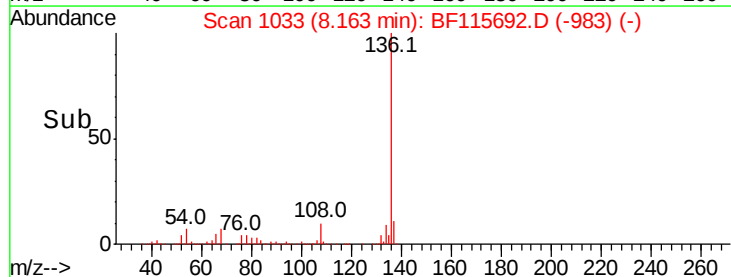
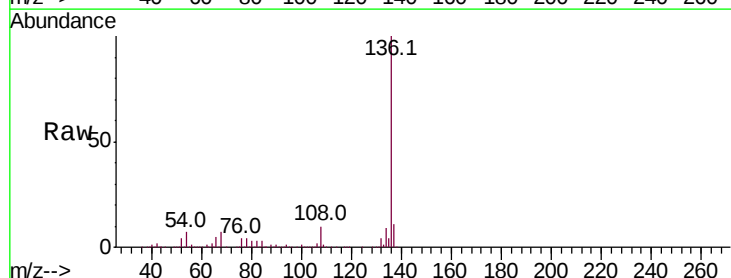
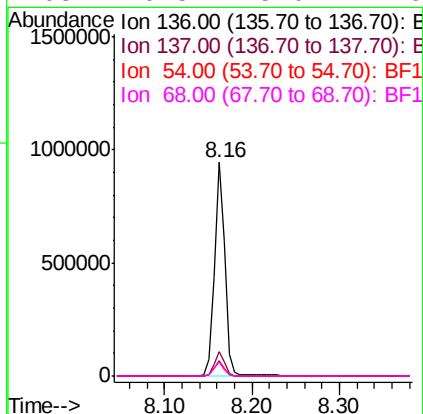
Ion Ratio Lower Upper

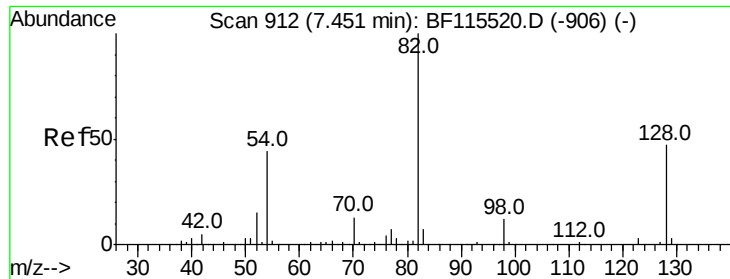
136 100

137 11.2 9.0 13.4

54 7.2 5.6 8.4

68 6.5 5.0 7.6





#23

Nitrobenzene-d5

Concen: 65.497 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF115692.D

Acq: 20 Jul 2019 00:35

Instrument :

BNA_F

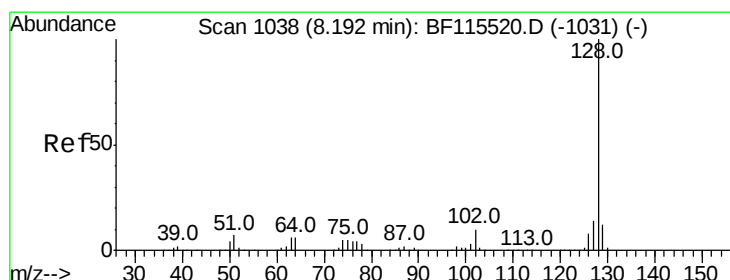
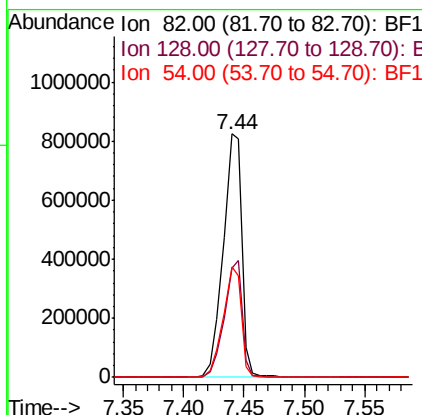
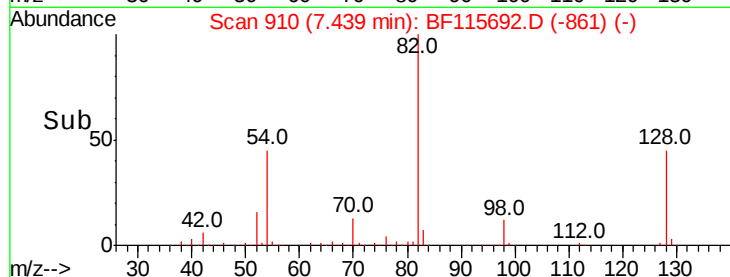
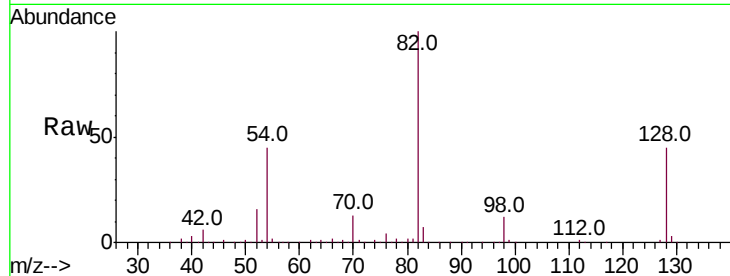
ClientSampled :

AOC-7(3)

Tot Ion	82	Resp	883682
Ion	Ratio	Lower	Upper
82	100		
128	44.8	38.6	57.8
54	45.3	35.6	53.4

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#31

Naphthalene

Concen: 9.323 ng

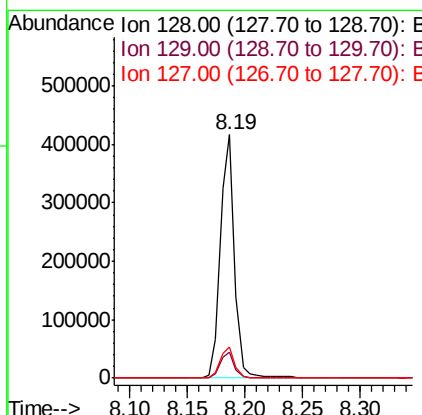
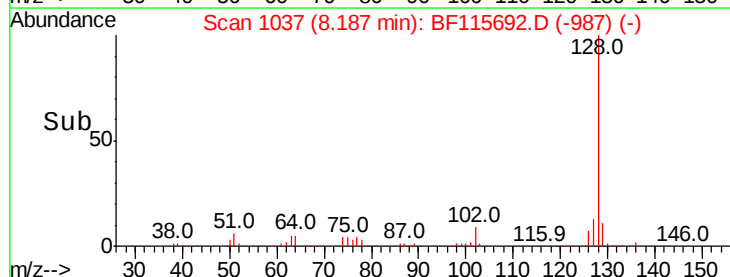
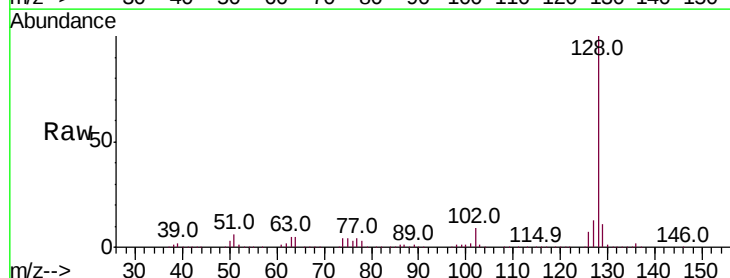
RT: 8.19 min Scan# 1037

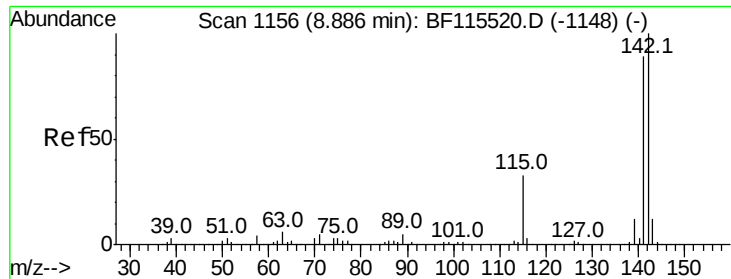
Delta R.T. -0.01 min

Lab File: BF115692.D

Acq: 20 Jul 2019 00:35

Tgt Ion	128	Resp	354203
Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.9	14.9
127	12.8	12.1	18.1





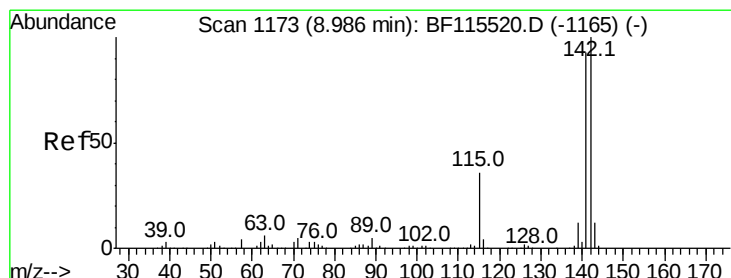
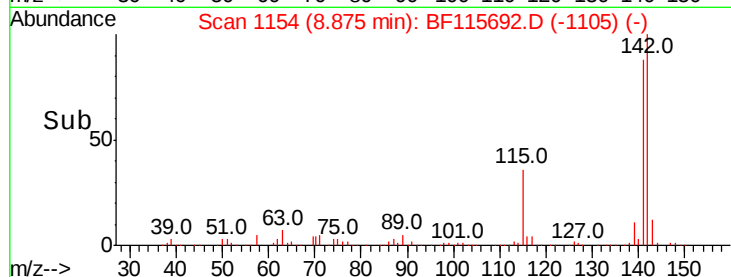
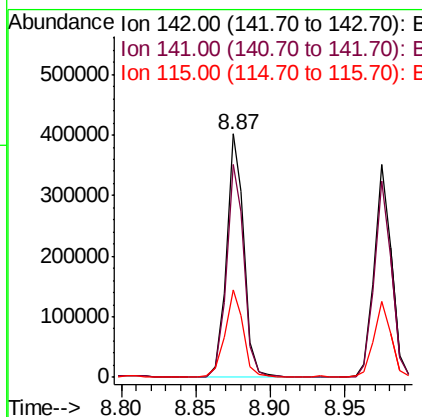
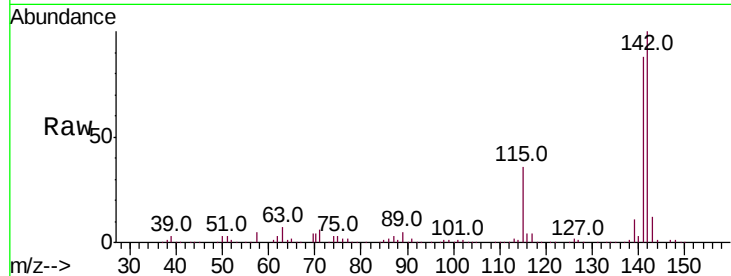
#37
2-Methylnaphthalene
Concen: 13.288 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Instrument :
BNA_F
ClientSampled :
AOC-7(3)

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.5	72.0	108.0
115	35.9	29.9	44.9

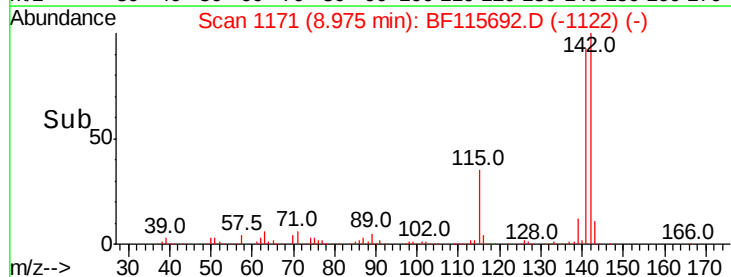
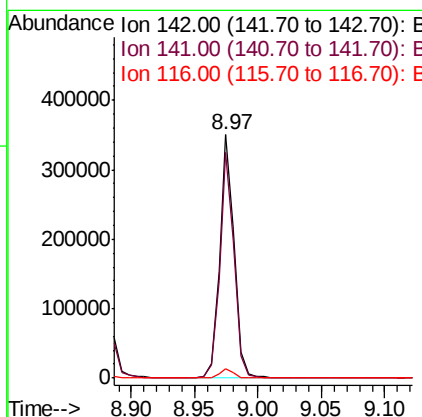
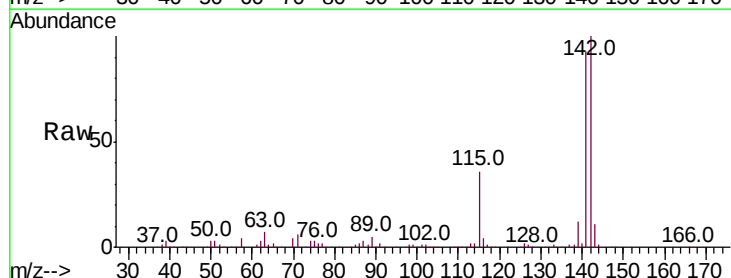
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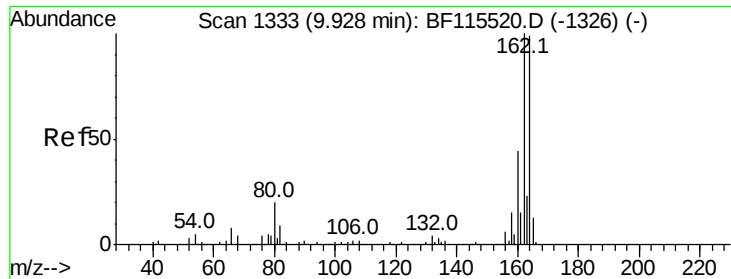
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#38
1-Methylnaphthalene
Concen: 11.673 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	75.3	112.9
116	3.8	3.3	4.9





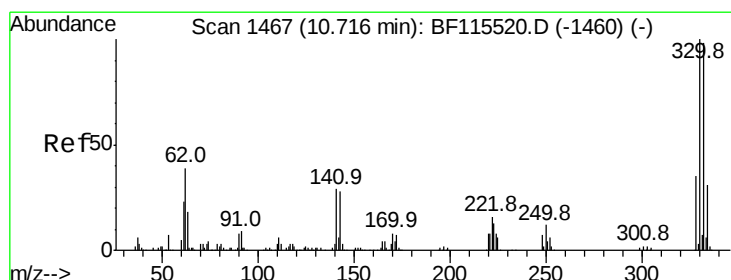
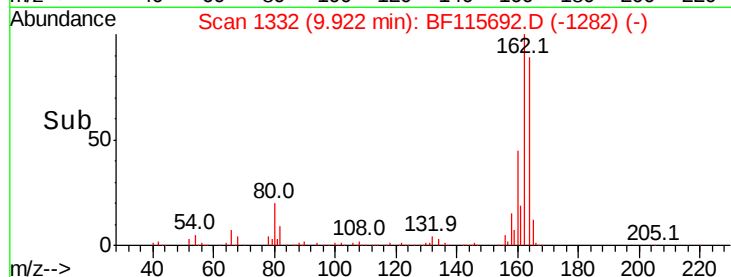
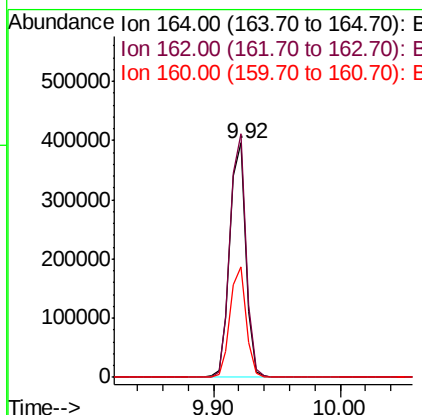
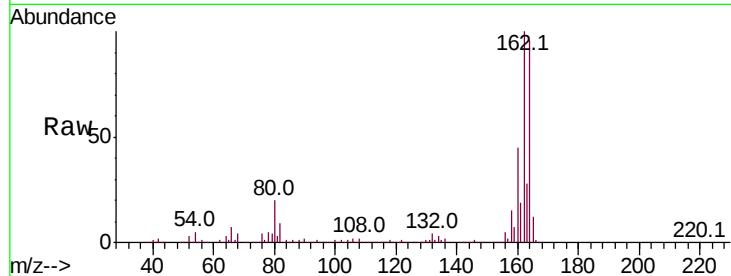
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Instrument :
BNA_F
ClientSampleId :
AOC-7(3)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.9	82.9	124.3	
160	47.1	36.8	55.2	

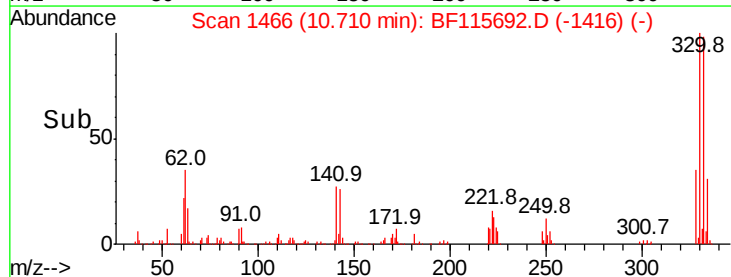
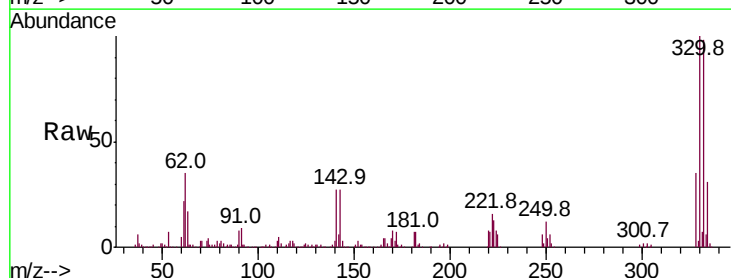
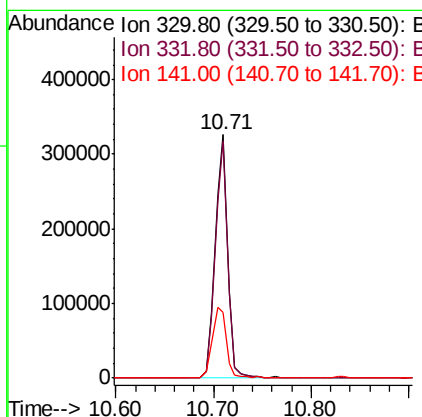
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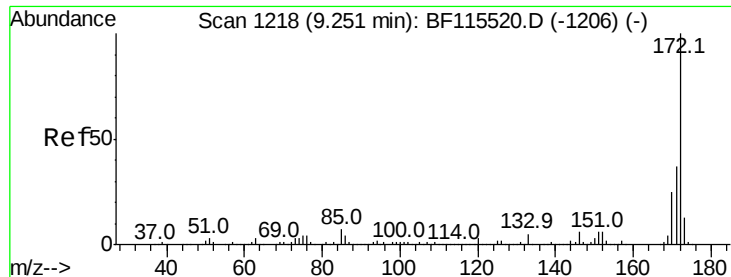
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#42
2,4,6-Tribromophenol
Concen: 71.896 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	77.4	116.2	
141	32.1	22.4	33.6	





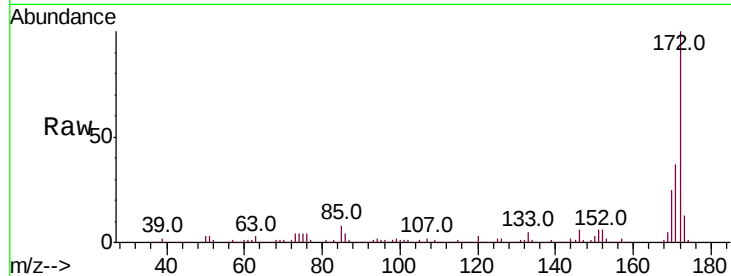
#45
2-Fluorobiphenyl
Concen: 65.058 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Instrument :
BNA_F
ClientSampleId :
AOC-7(3)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.6	46.0
170	24.9	20.5	30.7

Manual Integrations
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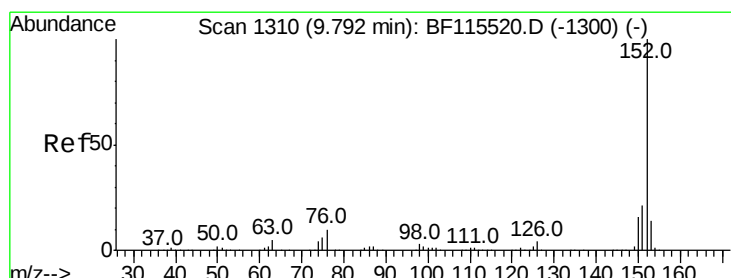
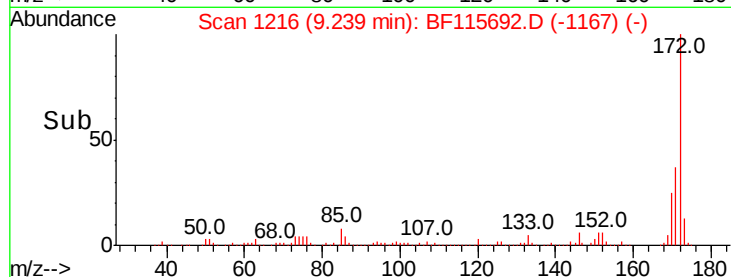
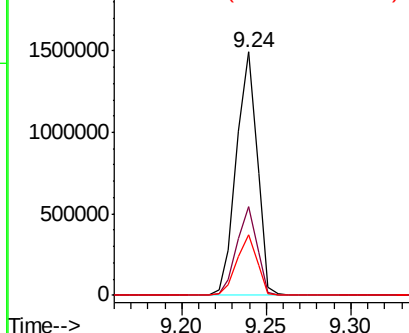


Abundance

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: 4.423 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

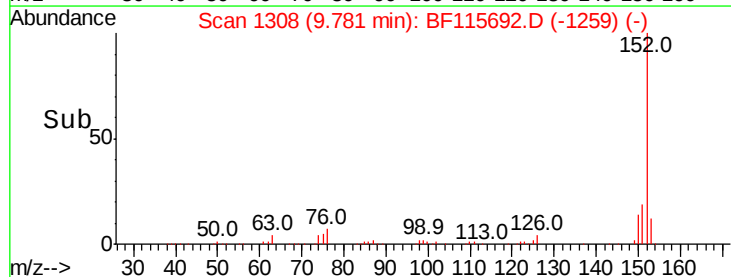
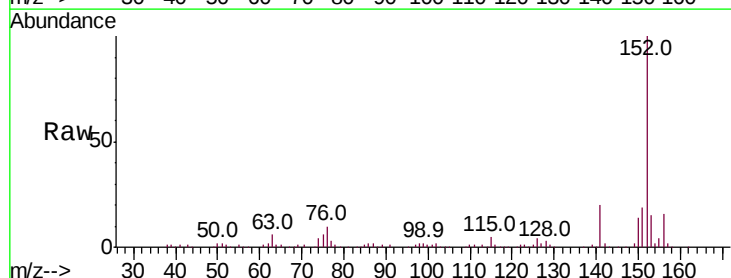
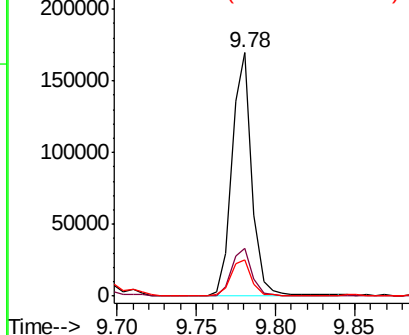
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	17.7	26.5
153	15.1	12.0	18.0

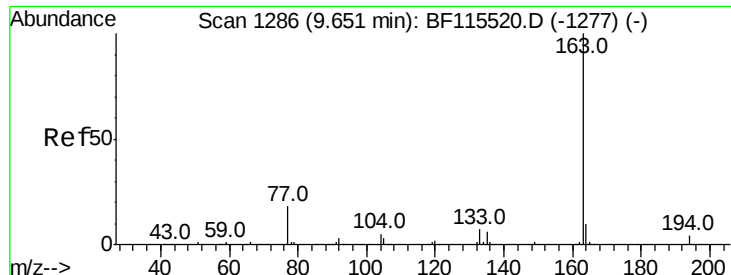
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





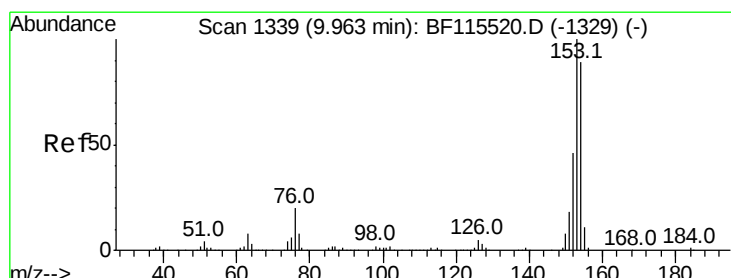
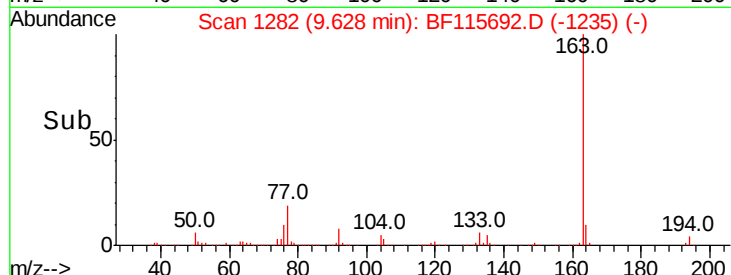
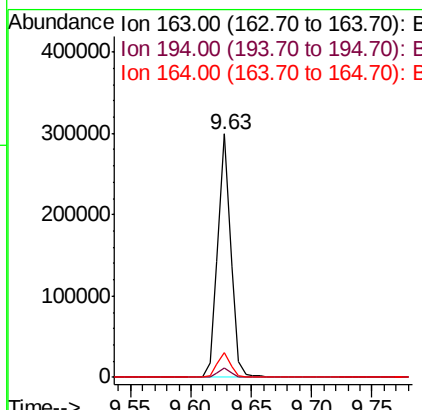
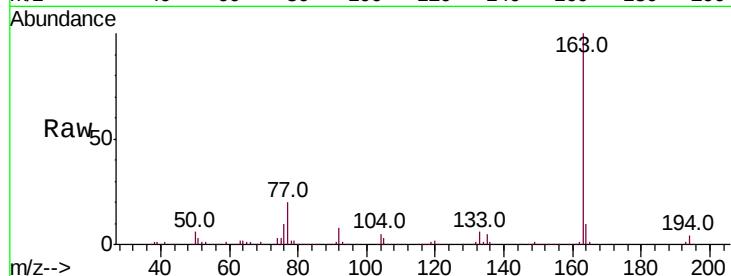
#50
Dimethylphthalate
Concen: 8.512 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Instrument :
BNA_F
ClientSampleId :
AOC-7(3)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	221509		
194	4.0		3.3	4.9
164	10.2		8.7	13.1

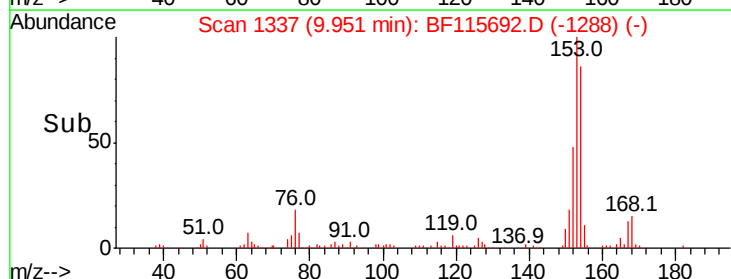
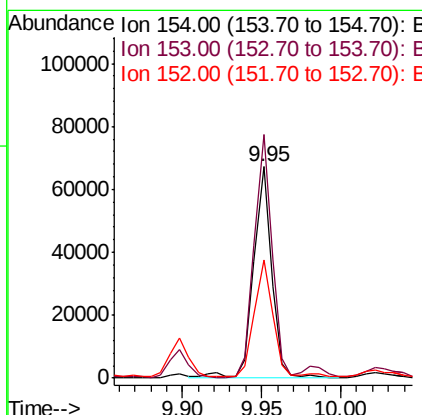
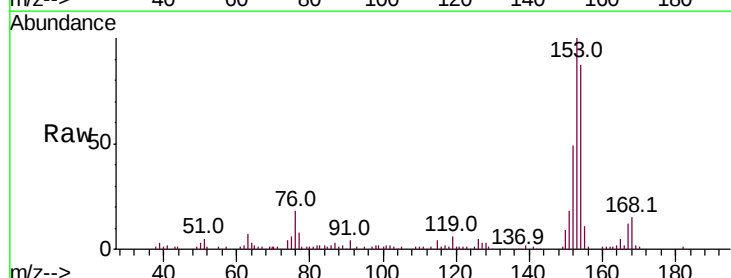
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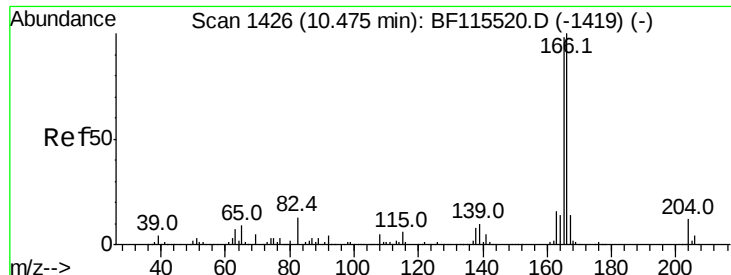
mohammad
7/22/2019 10:01:51 AM



#52
Acenaphthene
Concen: 2.488 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	53584		
153	115.4		88.6	133.0
152	56.2		42.3	63.5





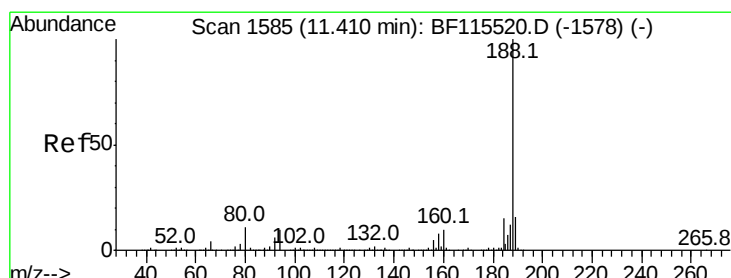
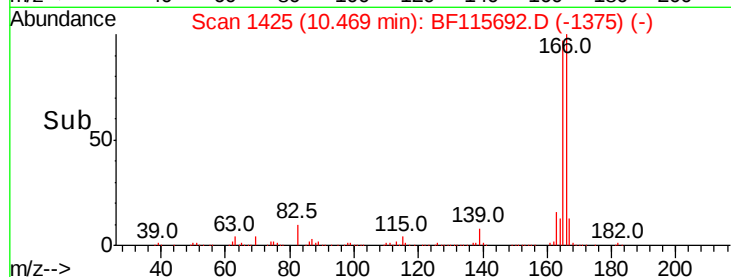
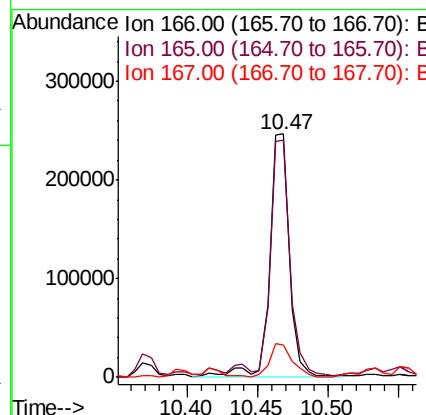
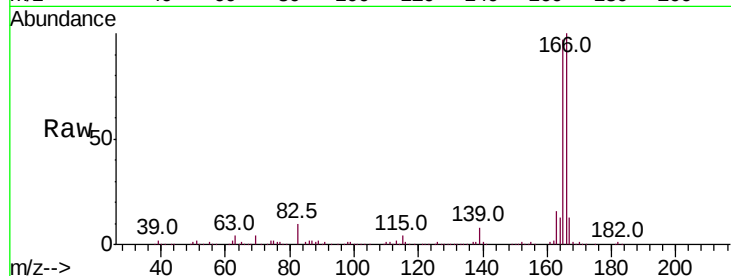
#58
 Fluorene
 Concen: 11.128 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF115692.D
 Acq: 20 Jul 2019 00:35

Instrument :
 BNA_F
 ClientSampleId :
 AOC-7(3)

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.4	79.8	119.6
167	13.5	11.2	16.8

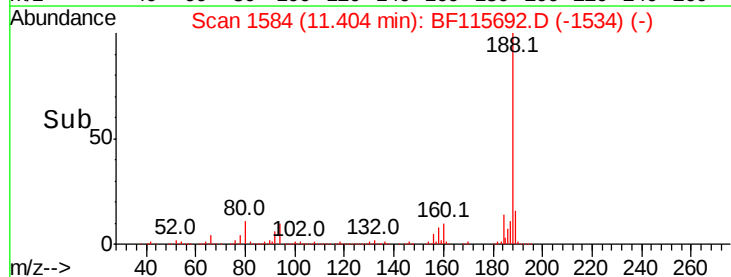
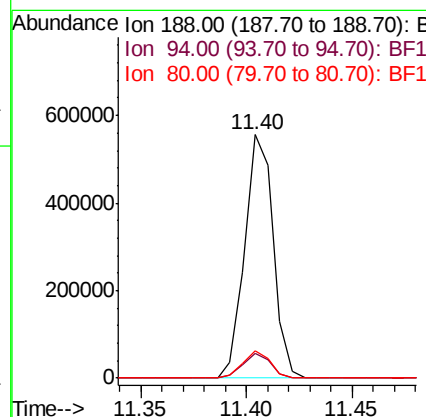
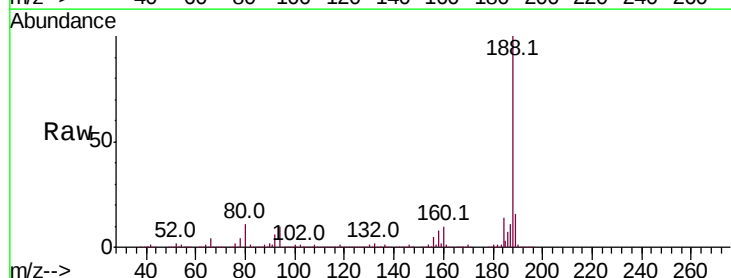
Manual Integrations
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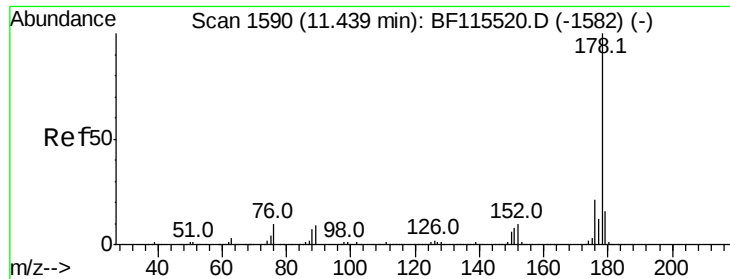
mohammad
 7/22/2019 10:01:51 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115692.D
 Acq: 20 Jul 2019 00:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.8	11.6
80	11.3	8.6	13.0





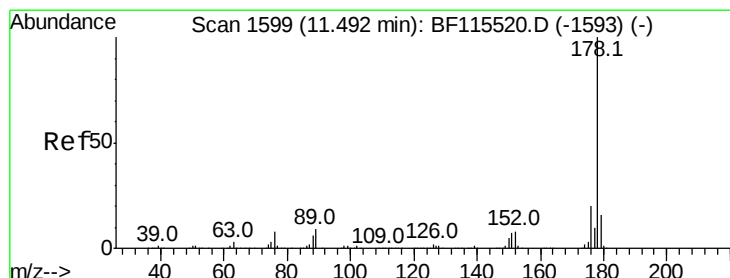
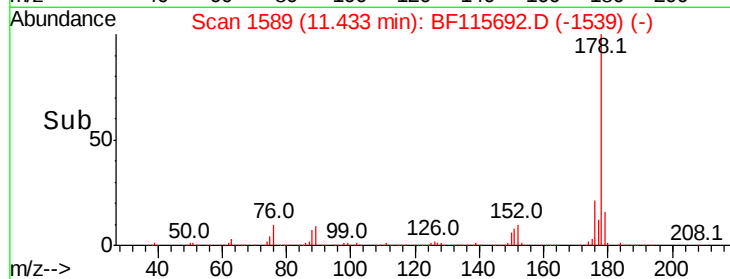
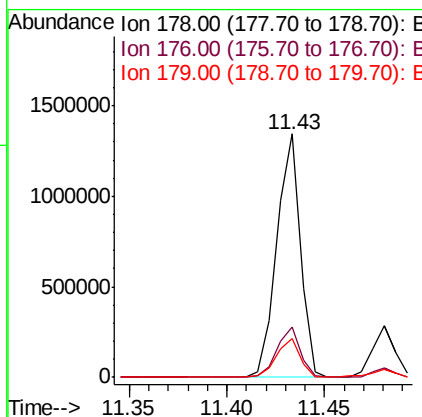
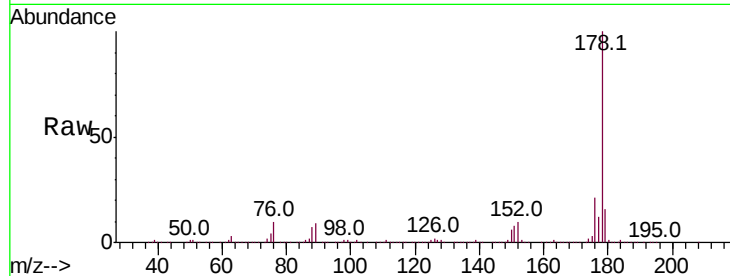
#71
Phenanthrene
Concen: 42.359 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Instrument :
BNA_F
ClientSampleId :
AOC-7(3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	17.2	25.8
179	16.0	13.5	20.3

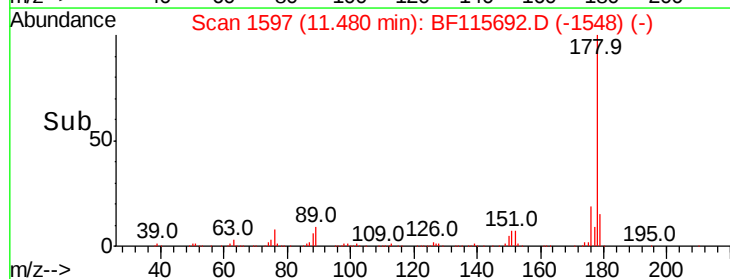
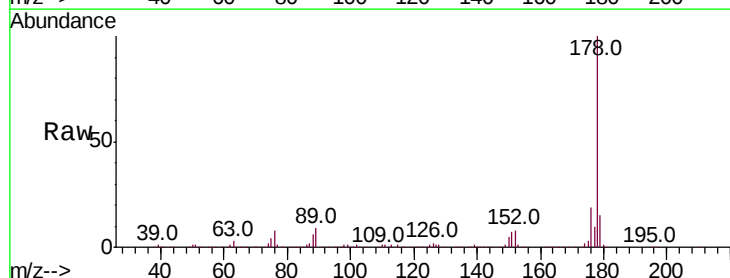
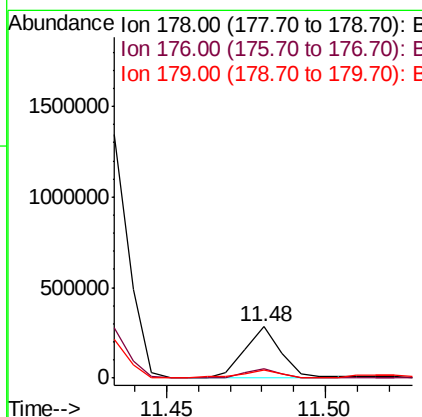
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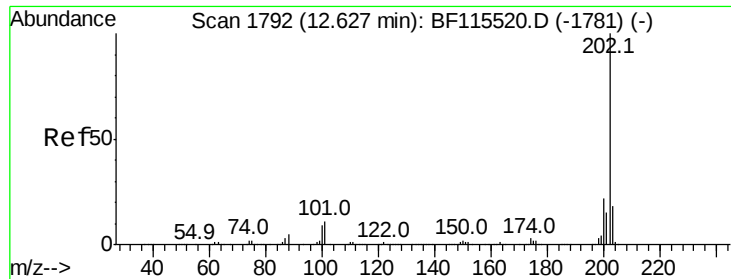
mohammad
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#72
Anthracene
Concen: 7.805 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	15.0	12.7	19.1





#75

Fluoranthene

Concen: 30.531 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF115692.D

Acq: 20 Jul 2019 00:35

Instrument :

BNA_F

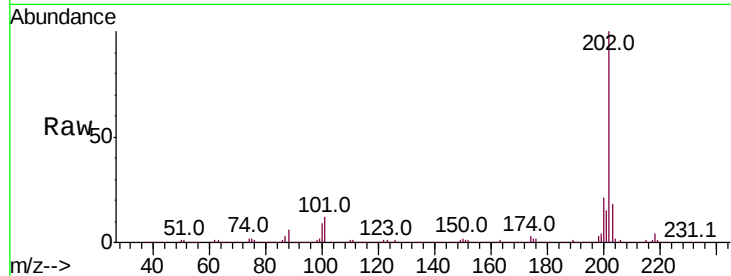
ClientSampled :

AOC-7(3)

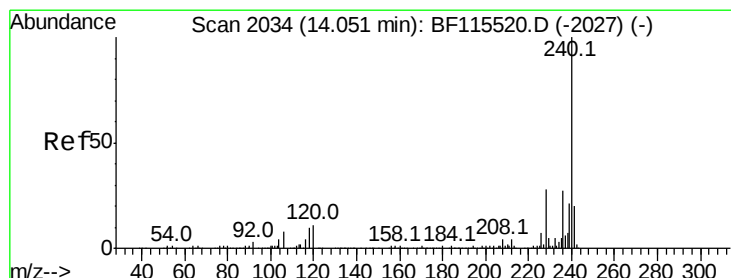
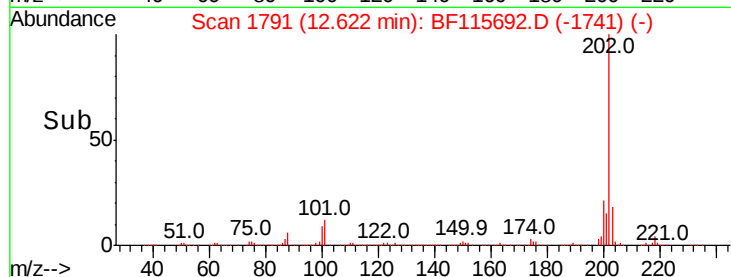
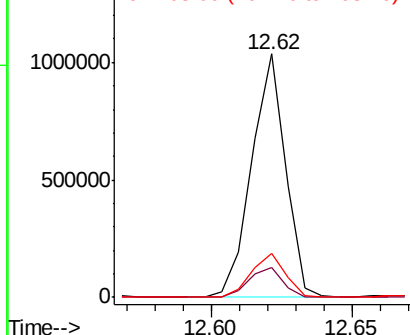
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.0	0.0	31.4
203	18.1	0.0	38.1

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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: 14.04 min Scan# 2033

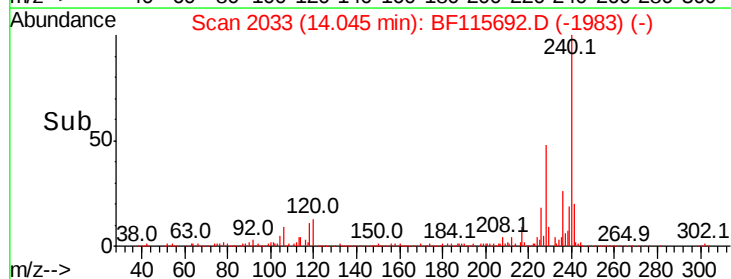
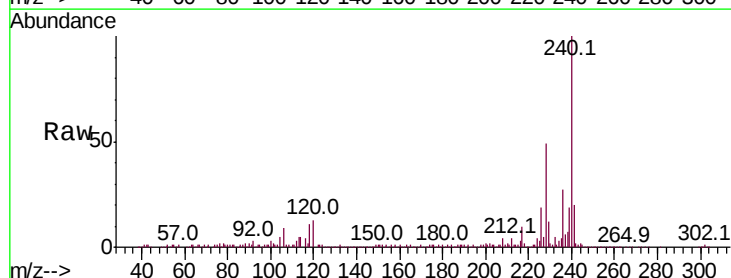
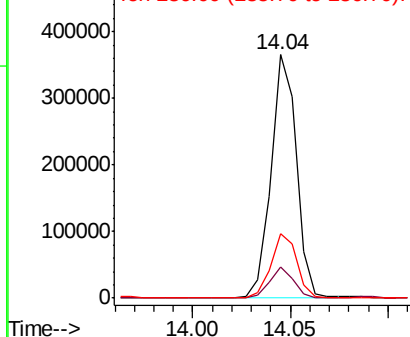
Delta R.T. -0.01 min

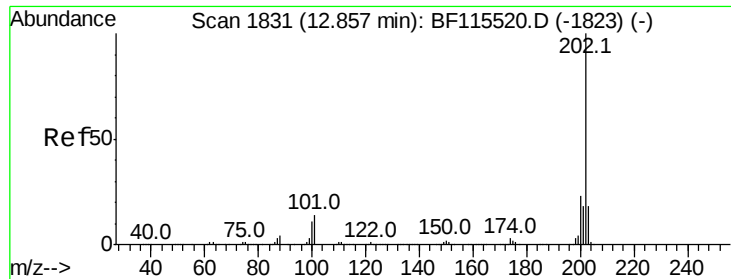
Lab File: BF115692.D

Acq: 20 Jul 2019 00:35

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.8	8.6	13.0
236	26.5	21.3	31.9

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





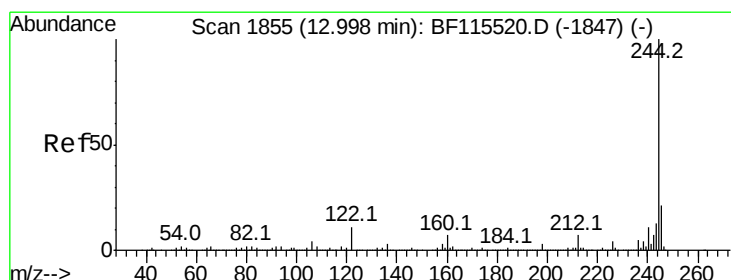
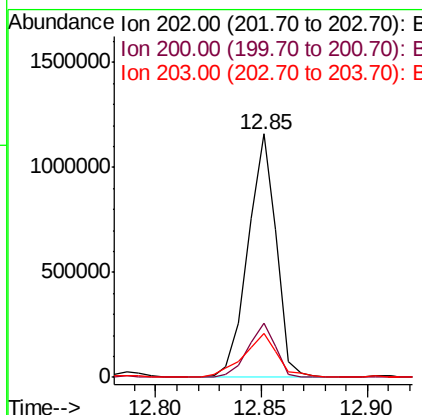
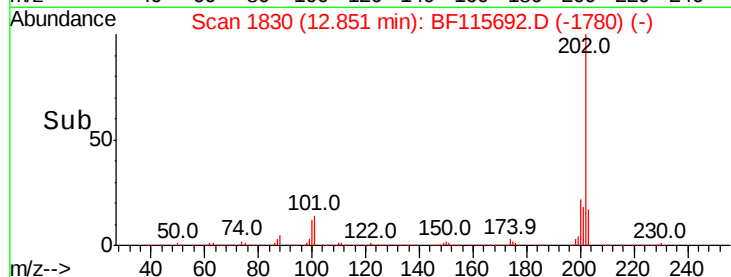
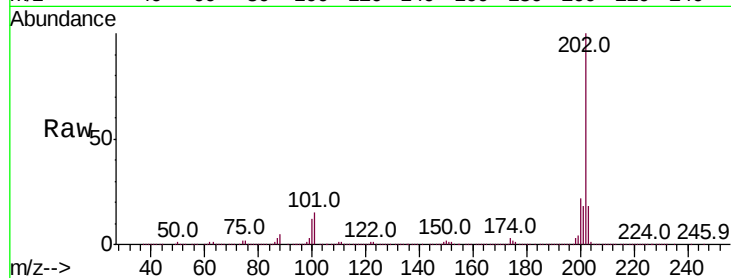
#78
Pvrene
Concen: 38.603 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Instrument :
BNA_F
ClientSampleId :
AOC-7(3)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	18.7	28.1
203	18.3	15.2	22.8

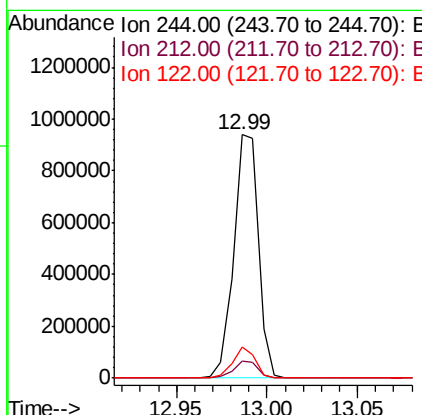
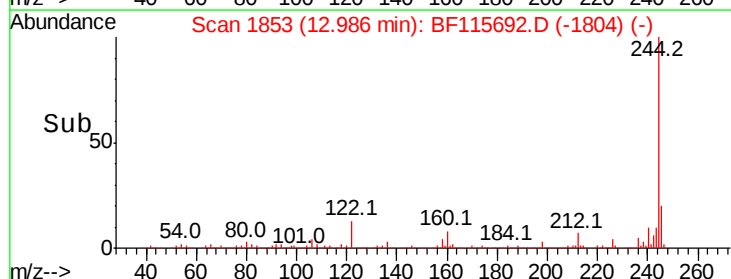
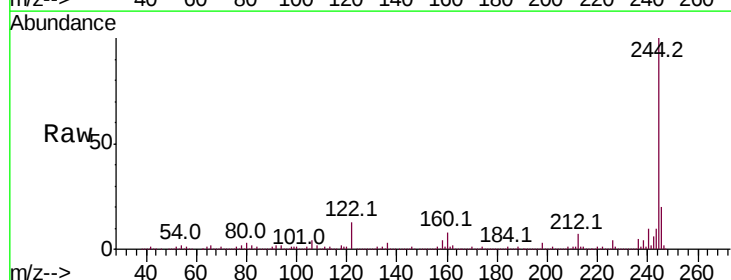
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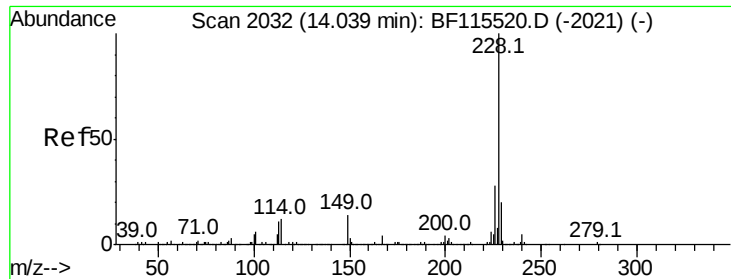
mohammad
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#79
Terphenyl-d14
Concen: 50.075 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	12.8	8.6	12.8





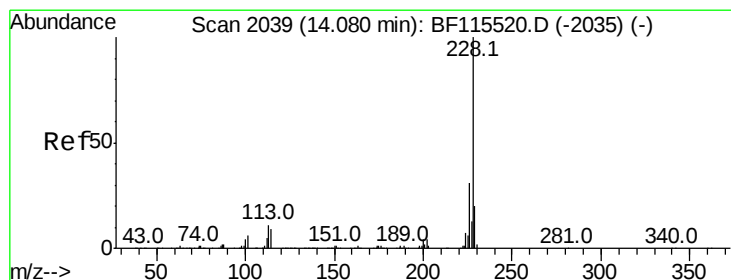
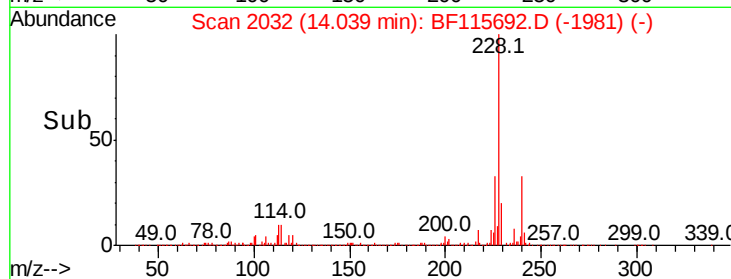
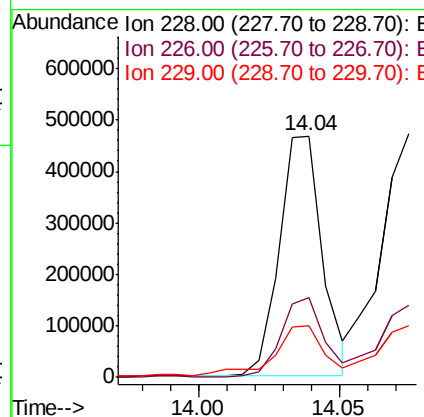
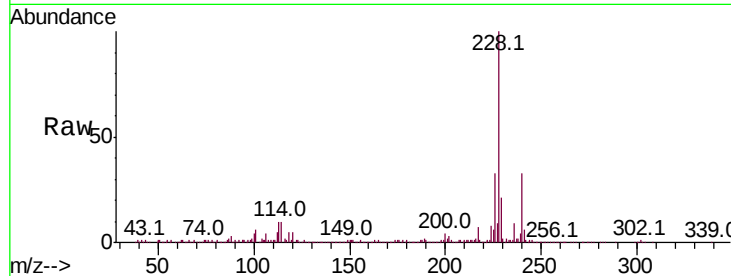
#81
Benzo(a)anthracene
Concen: 22.867 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Instrument :
BNA_F
ClientSampleId :
AOC-7(3)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.3	23.4	35.0
229	21.4	17.2	25.8

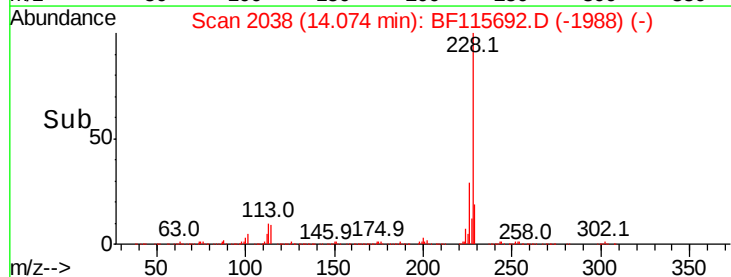
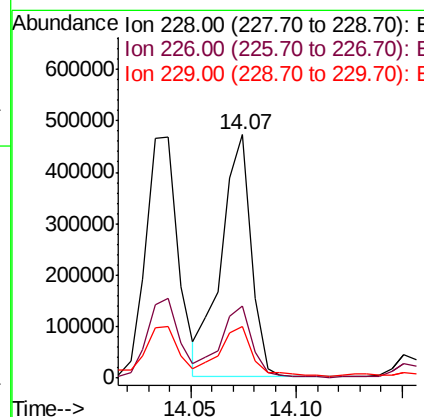
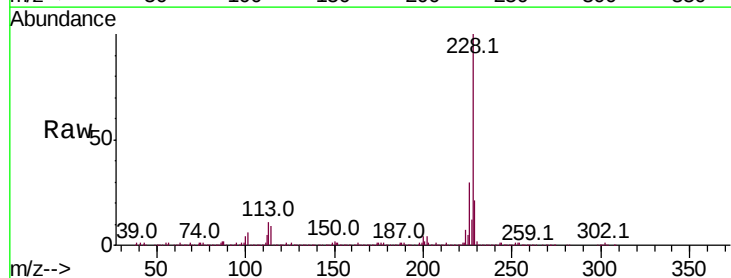
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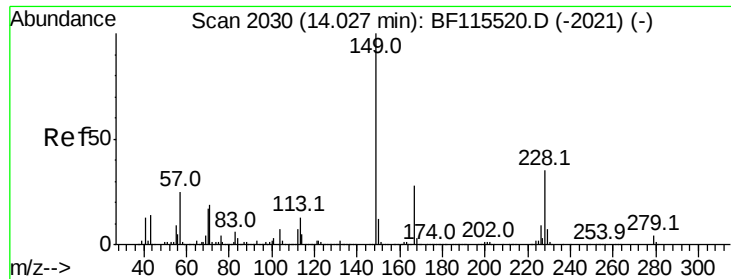
mohammad
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#83
Chrysene
Concen: 21.420 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.7	38.5
229	21.3	16.6	25.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 9.868 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF115692.D

Acq: 20 Jul 2019 00:35

Instrument :

BNA_F

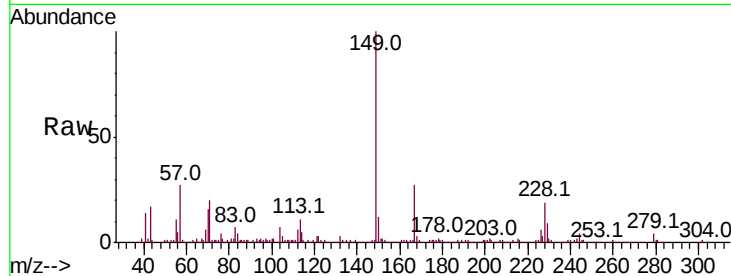
ClientSampleId :

AOC-7(3)

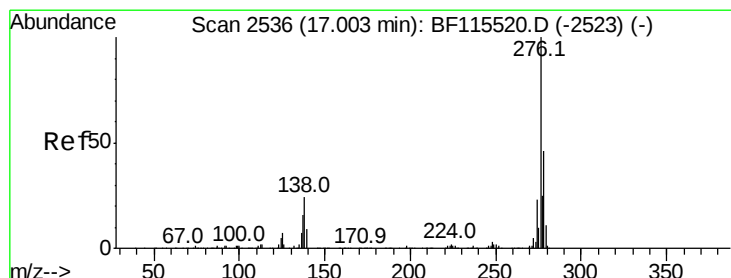
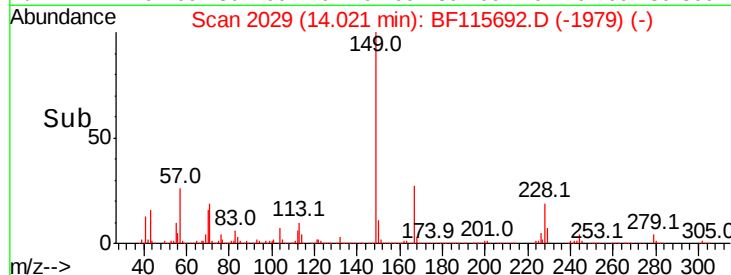
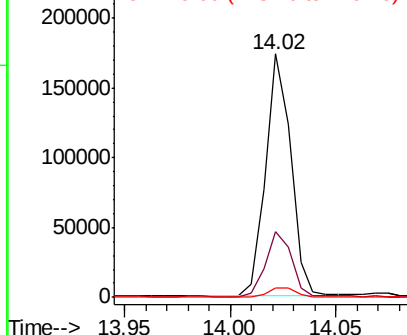
Tot Ion:	149	Resp:	144747
Ion Ratio	Lower	Upper	
149	100		
167	27.2	23.0	34.4
279	3.8	4.2	6.2#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 8.166 ng

RT: 17.00 min Scan# 2535

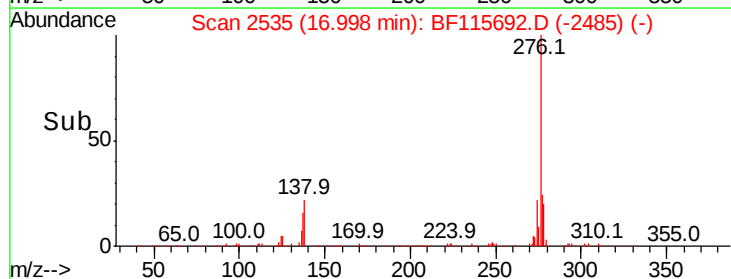
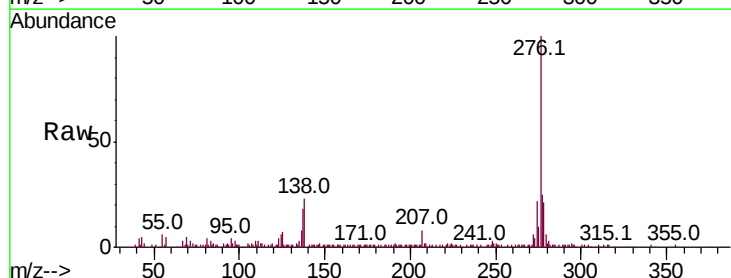
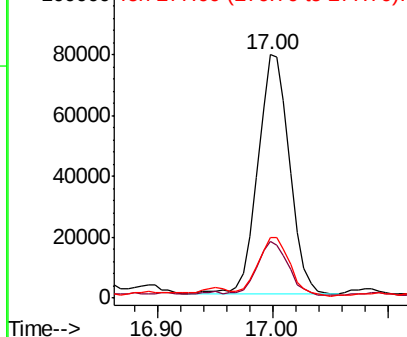
Delta R.T. -0.01 min

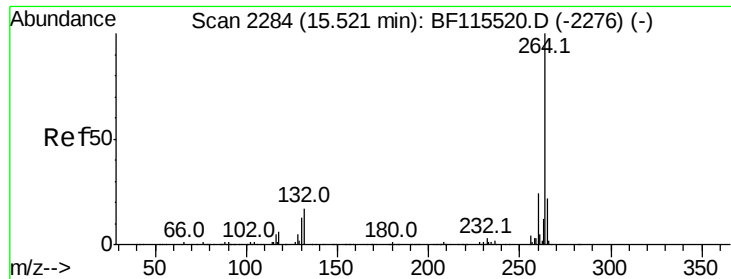
Lab File: BF115692.D

Acq: 20 Jul 2019 00:35

Tgt Ion:	276	Resp:	150428
Ion Ratio	Lower	Upper	
276	100		
138	22.4	20.2	30.2
277	25.1	20.4	30.6

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





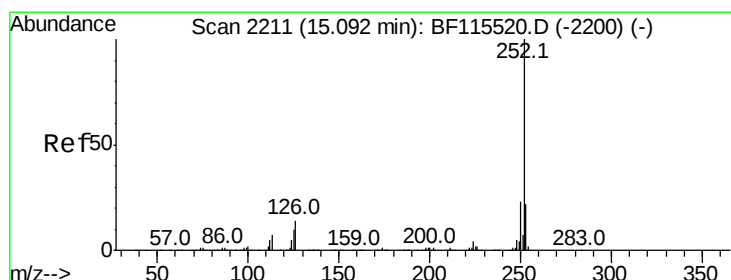
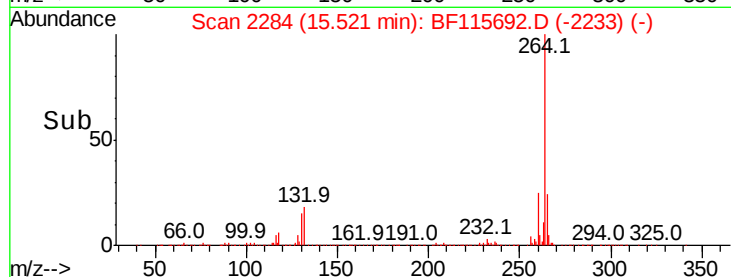
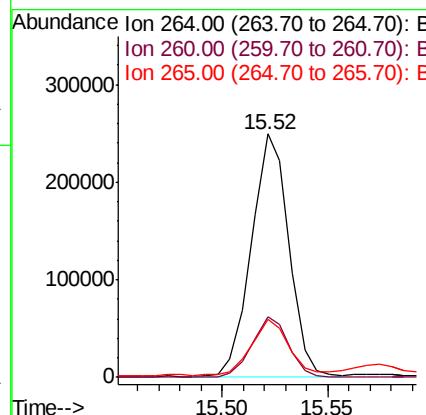
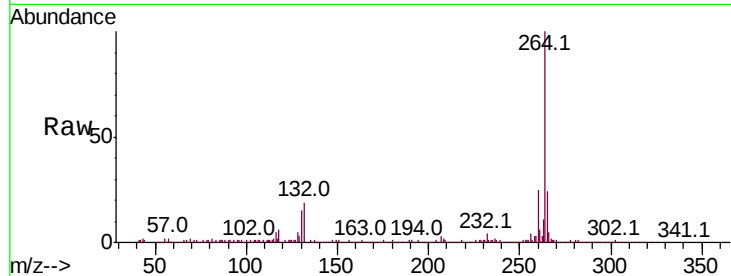
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Instrument :
BNA_F
ClientSampleId :
AOC-7(3)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.8	29.8
265	24.0	17.7	26.5

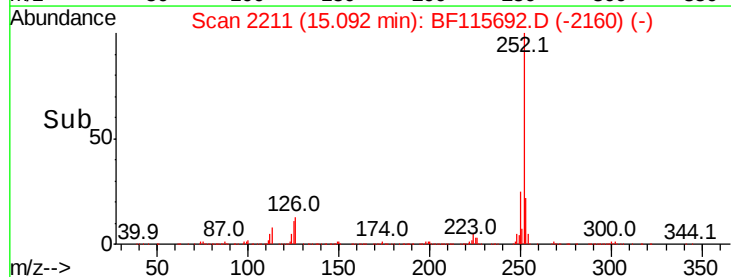
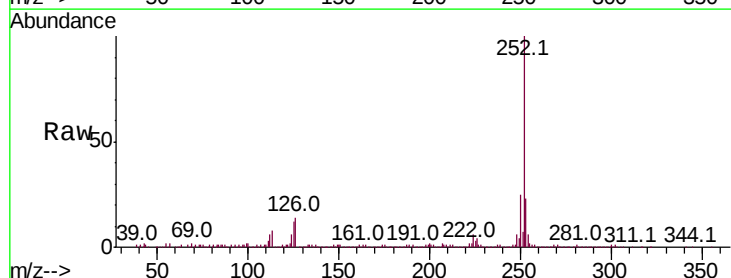
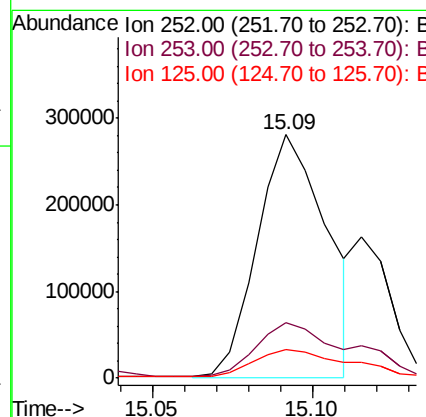
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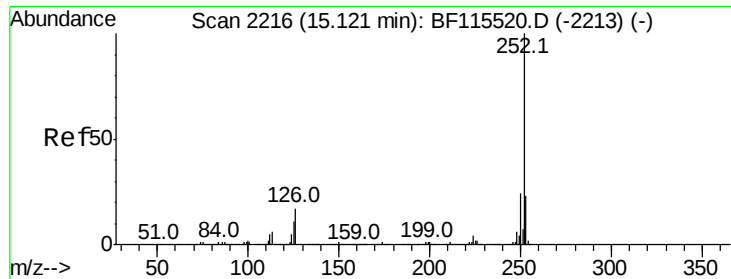
mohammad
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#88
Benzo(b)fluoranthene
Concen: 21.566 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.7	9.0	13.4





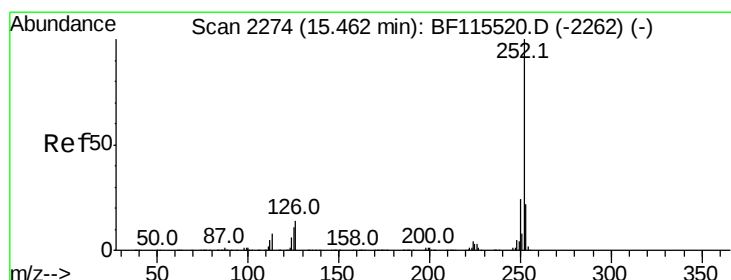
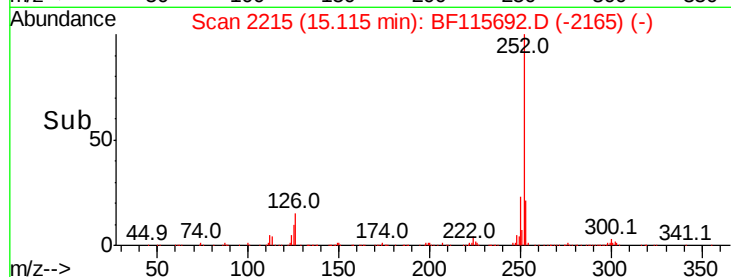
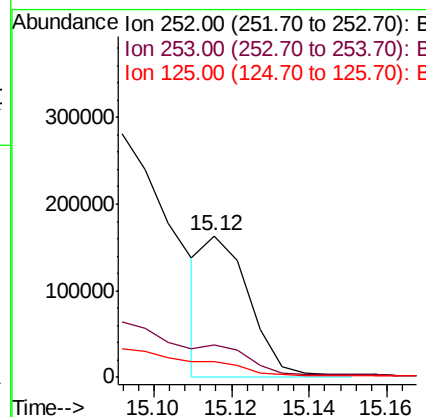
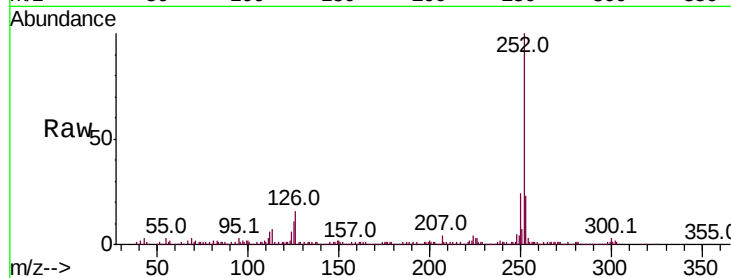
#89
Benzo(k)fluoranthene
Concen: 7.577 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Instrument :
BNA_F
ClientSampleId :
AOC-7(3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.6	28.0
125	11.2	9.0	13.6

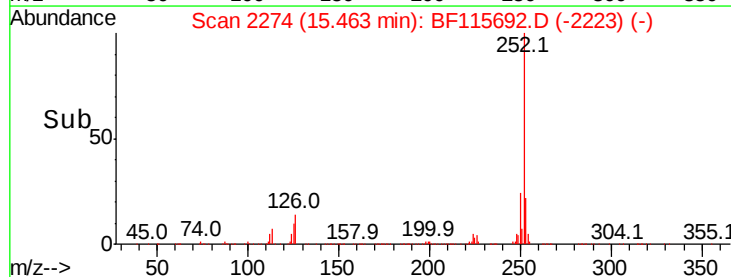
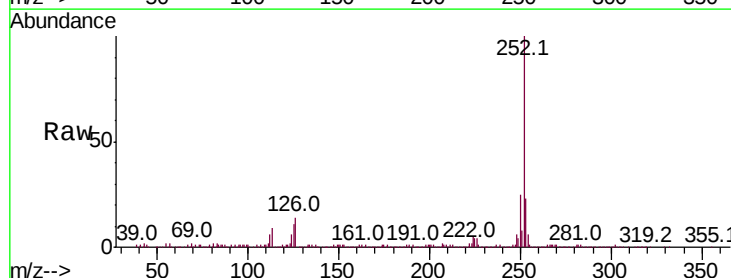
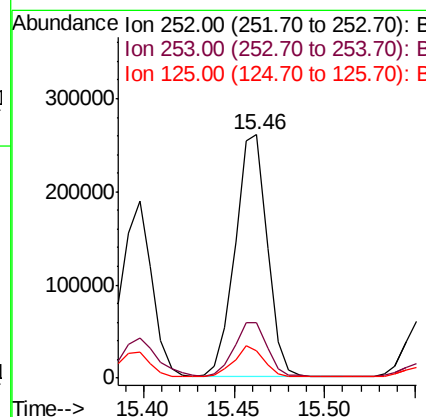
Manual Integrations
APPROVED

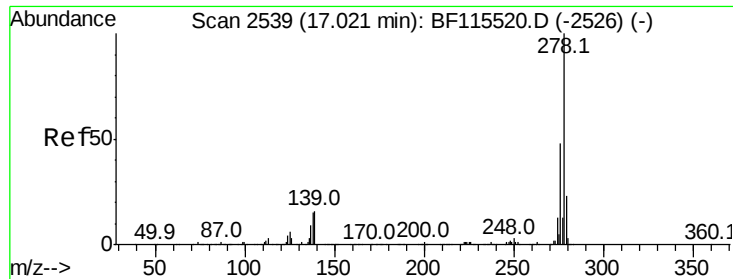
mohammad
7/22/2019 10:01:51 AM



#90
Benzo(a)pyrene
Concen: 19.065 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	11.2	9.1	13.7





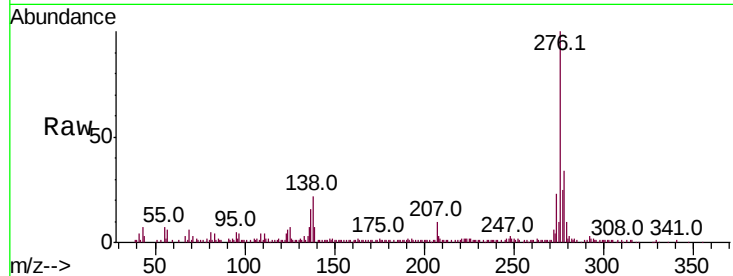
#91
Dibenzo(a,h)anthracene
Concen: 2.991 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Instrument :
BNA_F
ClientSampled :
AOC-7(3)

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.9	13.1	19.7#
279	29.4	19.6	29.4#

Manual Integrations
APPROVED

mohammad
7/22/2019 10:01:51 AM

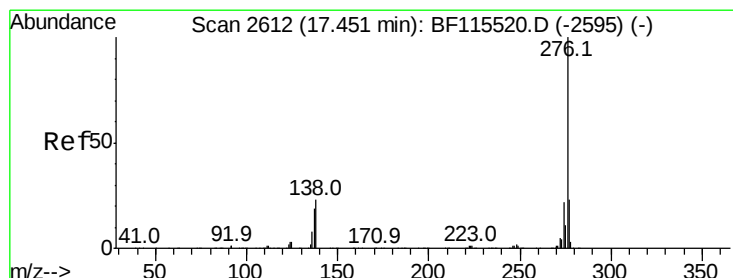
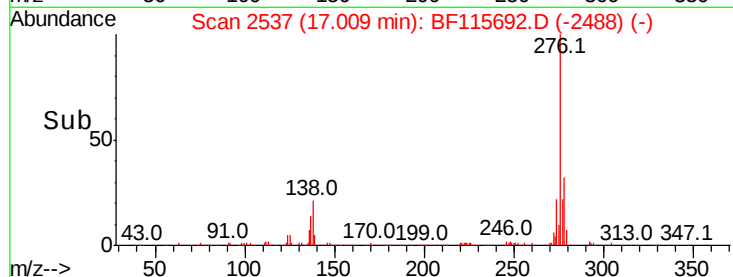
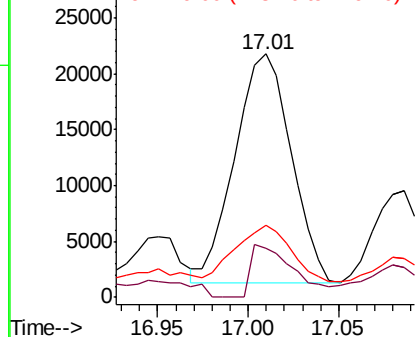


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 9.876 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.00 min
Lab File: BF115692.D
Acq: 20 Jul 2019 00:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.0	28.4
138	23.3	17.2	25.8

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

