

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071719\
 Data File : BF115637.D
 Acq On : 17 Jul 2019 22:06
 Operator : HP/JU
 Sample : K3852-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1_071619

Manual Integrations
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Quant Time: Jul 18 06:39:42 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	209921	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	676330	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	293652	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	451663	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	312427	20.00	ng	-0.02
87) Perylene-d12	15.50	264	293789	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	597402	46.55	ng	0.00
7) Phenol-d6	6.51	99	796683	48.92	ng	0.00
23) Nitrobenzene-d5	7.44	82	463137	39.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	134300	39.18	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	741820	44.22	ng	-0.02
79) Terphenyl-d14	12.97	244	562276	33.21	ng	-0.02
Target Compounds						Qvalue
50) Dimethylphthalate	9.62	163	121535	5.501	ng	99
52) Acenaphthene	9.95	154	94997	5.195	ng	98
58) Fluorene	10.46	166	80834	4.354	ng	96
71) Phenanthrene	11.43	178	1137990	49.153	ng	96
72) Anthracene	11.47	178	311204	13.007	ng	98
73) Carbazole	11.62	167	82745	3.944	ng	98
75) Fluoranthene	12.62	202	1705936	69.729	ng	98
78) Pyrene	12.84	202	1537586	58.088	ng	98
81) Benzo(a)anthracene	14.03	228	755877	36.724	ng	98
83) Chrysene	14.06	228	687521	33.274	ng	97
84) Bis(2-ethylhexyl)phthalate	14.01	149	28371	2.030	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.97	276	368977	21.019	ng	95
88) Benzo(b)fluoranthene	15.07	252	753976m	39.856	ng	
89) Benzo(k)fluoranthene	15.10	252	280442m	16.628	ng	
90) Benzo(a)pyrene	15.44	252	516170	31.746	ng	98
91) Dibenzo(a,h)anthracene	16.98	278	85599	5.997	ng	# 93
92) Benzo(a,h,i)perylene	17.42	276	347099	24.382	ng	96

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

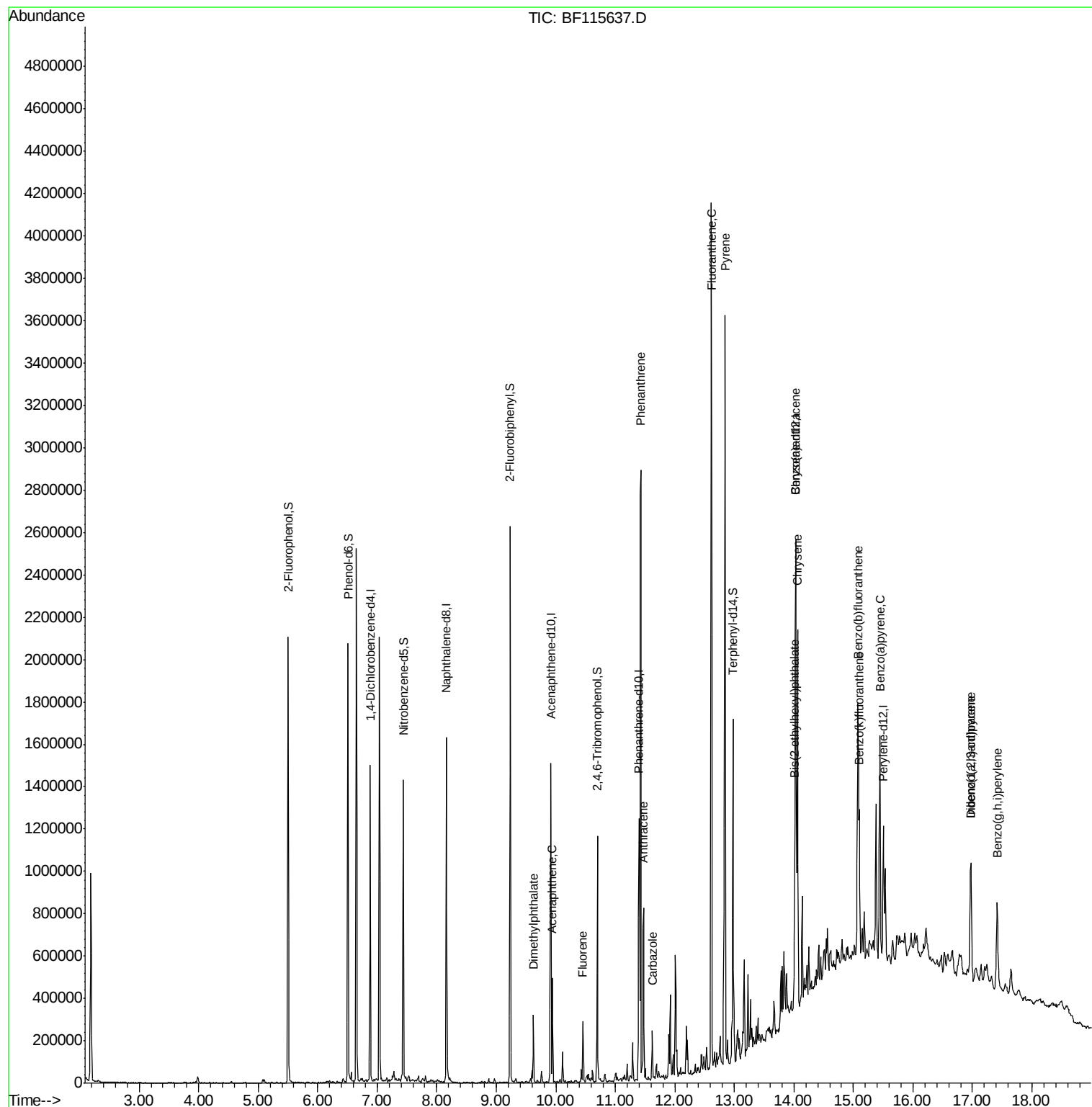
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071719\
Data File : BF115637.D
Acq On : 17 Jul 2019 22:06
Operator : HP/JU
Sample : K3852-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

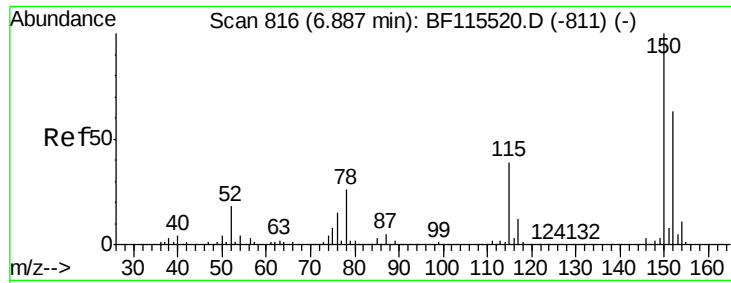
Instrument :
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Quant Time: Jul 18 06:39:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration





#1

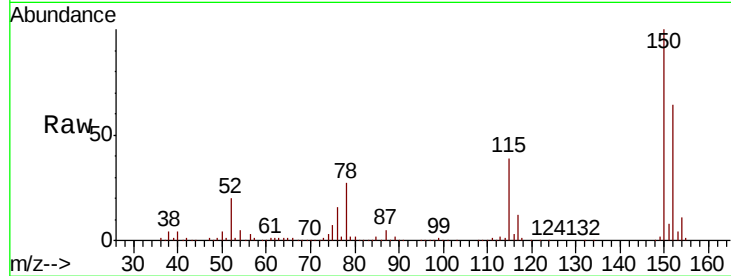
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

Instrument :
BNA_F
ClientSampleId :
COMP-1_071619

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	129.7	194.5
115	61.5	48.2	72.4

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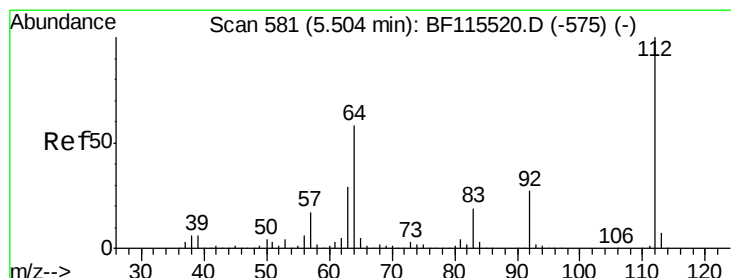
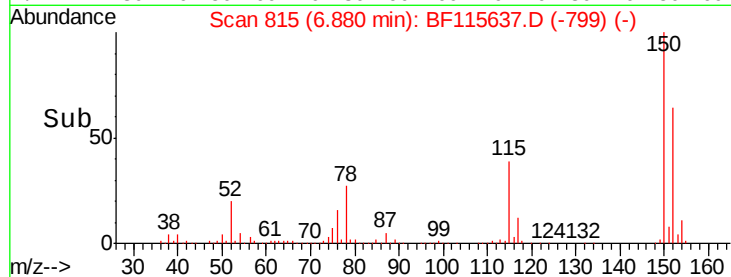
Abundance

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

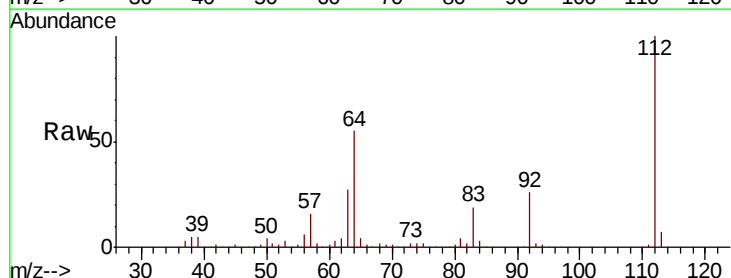
Time-->



#5

2-Fluorophenol
Concen: 46.550 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	46.8	70.2
63	27.4	24.1	36.1



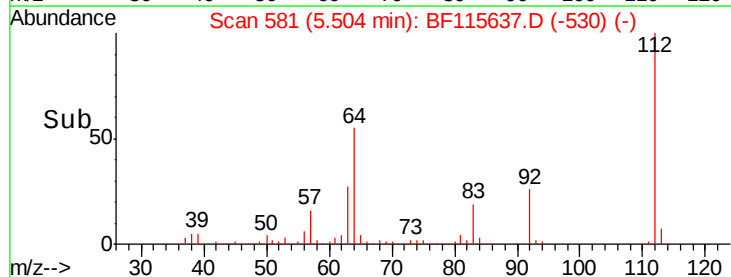
Abundance

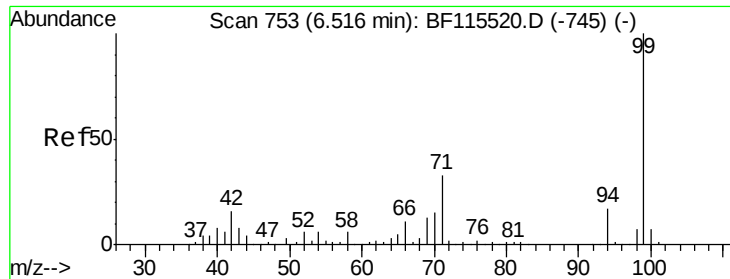
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 48.923 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115637.D

Acq: 17 Jul 2019 22:06

Instrument :

BNA_F

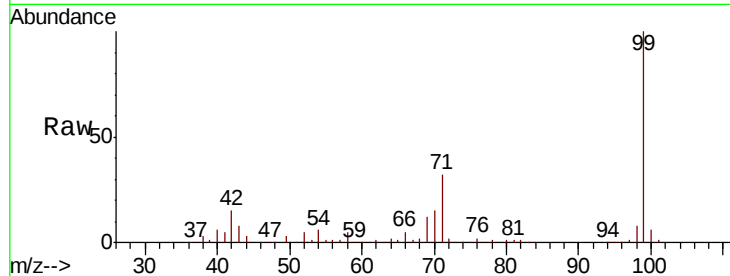
ClientSampleId :

COMP-1_071619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		796683		
42	15.1	13.6	20.4		
71	31.7	28.5	42.7		

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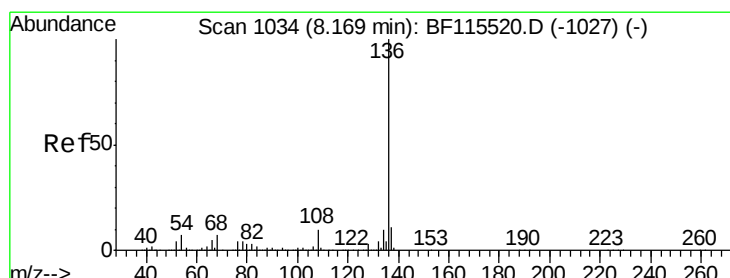
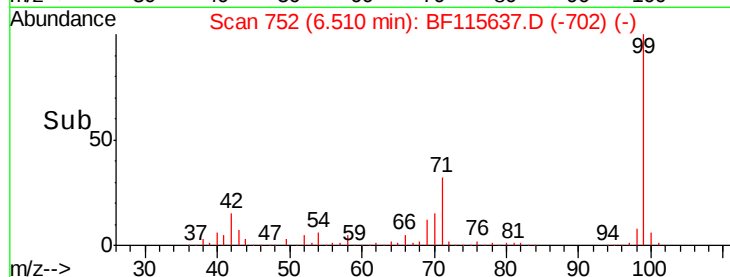
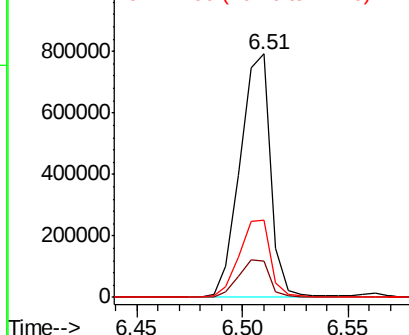


Abundance

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: BF115637.D

Acq: 17 Jul 2019 22:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		676330		
137	11.0	9.0	13.4		
54	6.8	5.6	8.4		
68	6.1	5.0	7.6		

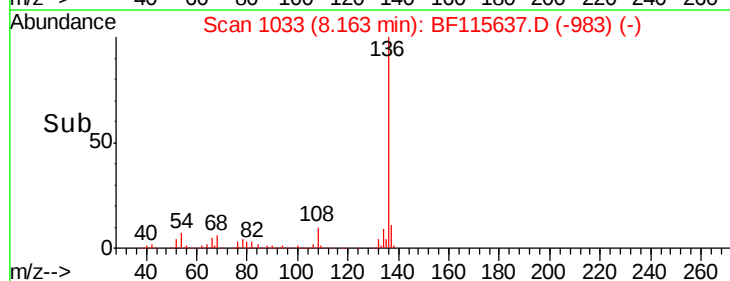
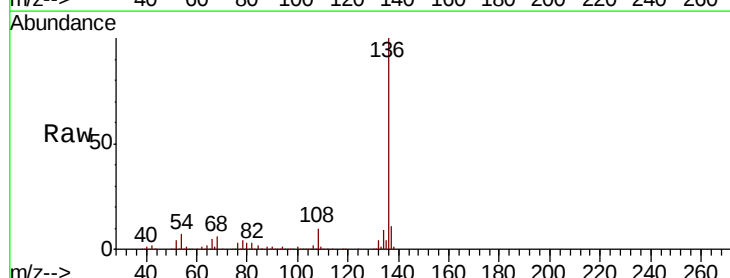
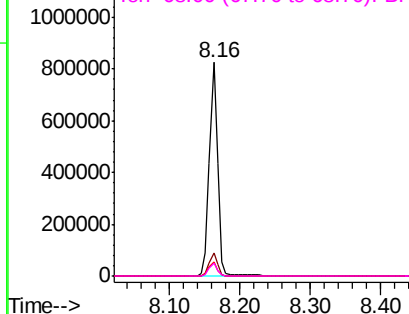
Abundance

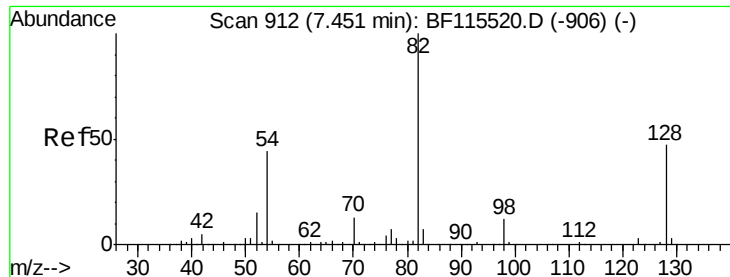
Ion 136.00 (135.70 to 136.70): E

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





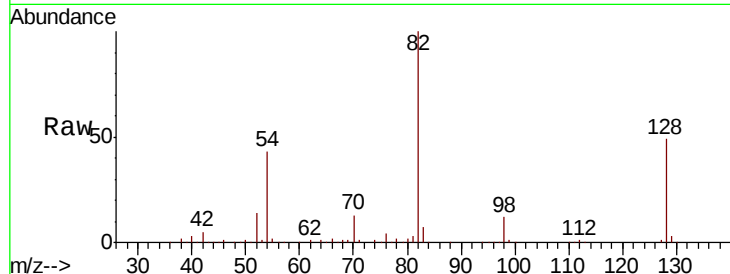
#23
Nitrobenzene-d5
Concen: 39.818 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

Instrument :
BNA_F
ClientSampleId :
COMP-1_071619

Tot Ion	82	Resp	463137
Ion Ratio	100	Lower	Upper
82	100		
128	49.1	38.6	57.8
54	42.9	35.6	53.4

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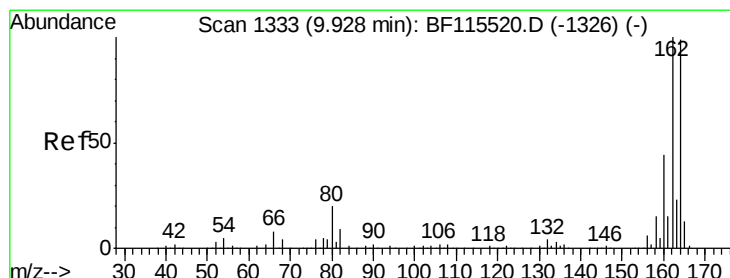
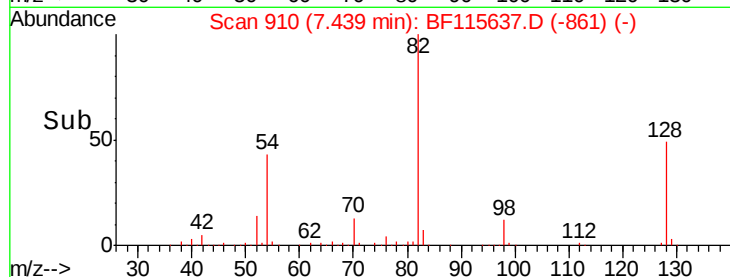
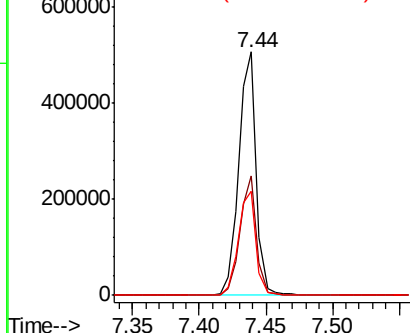


Abundance

Ion 82.00 (81.70 to 82.70): BF1

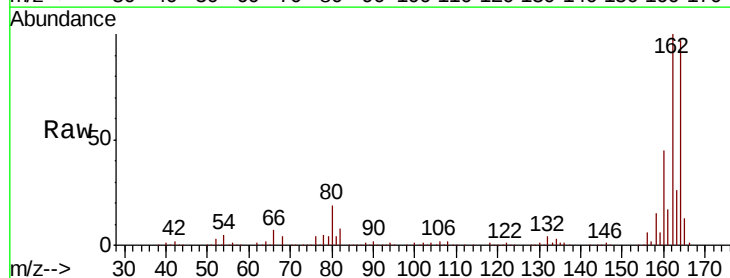
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

Tgt Ion	164	Resp	293652
Ion Ratio	100	Lower	Upper
164	100		
162	103.5	82.9	124.3
160	46.5	36.8	55.2

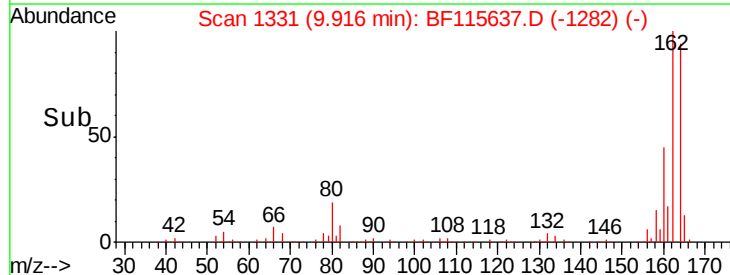
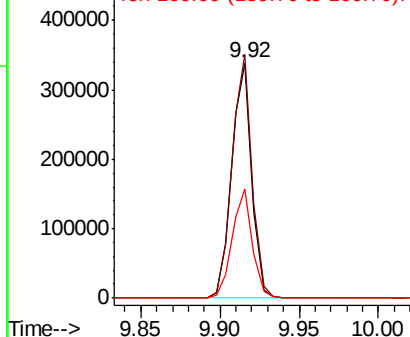


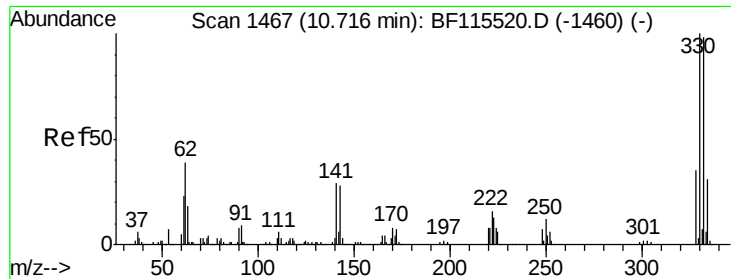
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





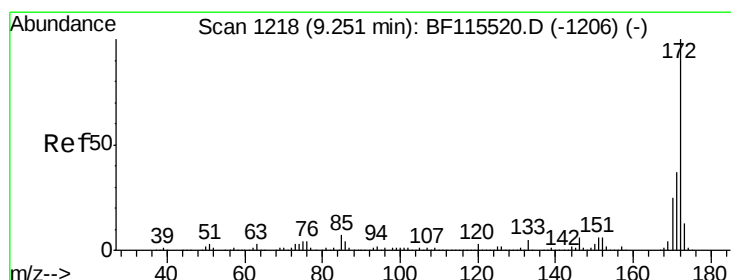
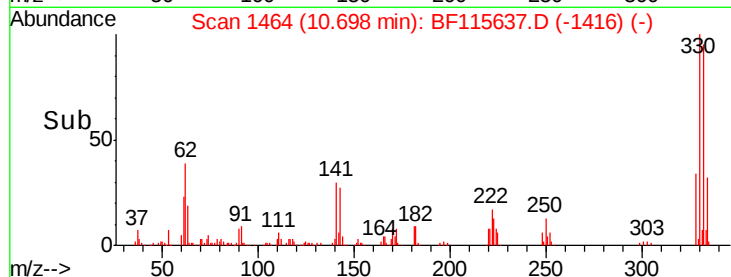
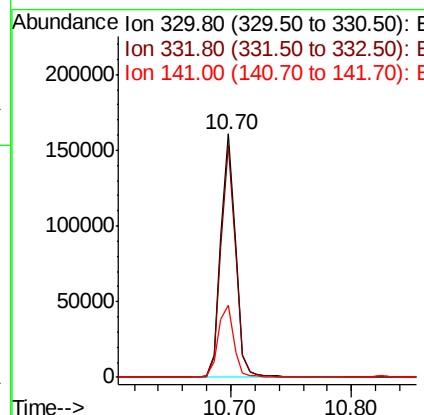
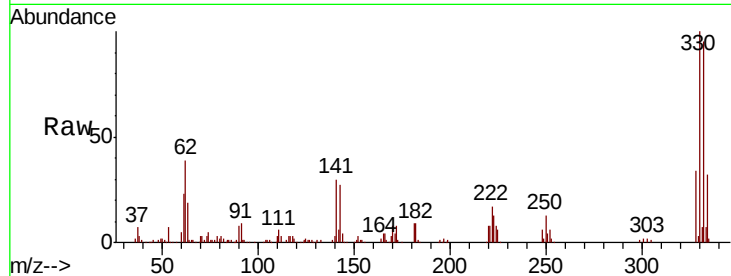
#42
 2,4,6-Tribromophenol
 Concen: 39.182 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BF115637.D
 Acq: 17 Jul 2019 22:06

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1_071619

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.4	116.2
141	31.6	22.4	33.6

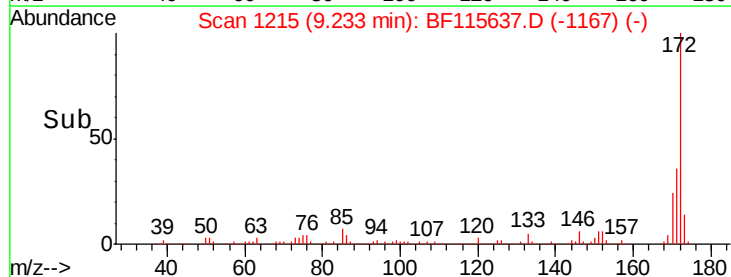
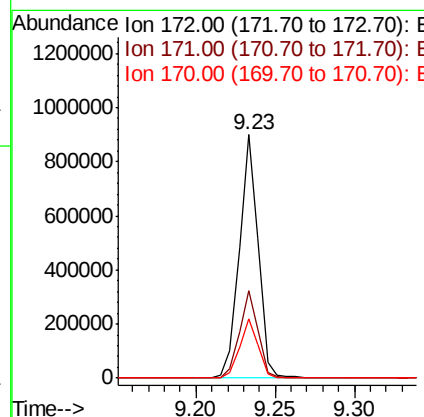
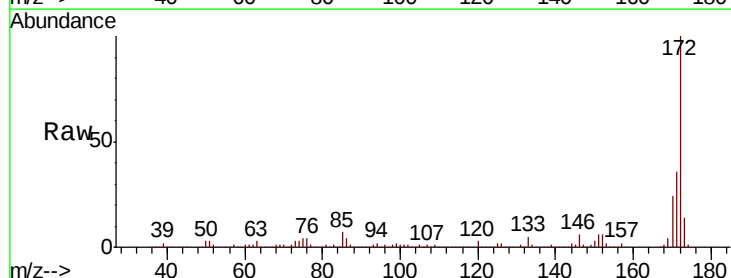
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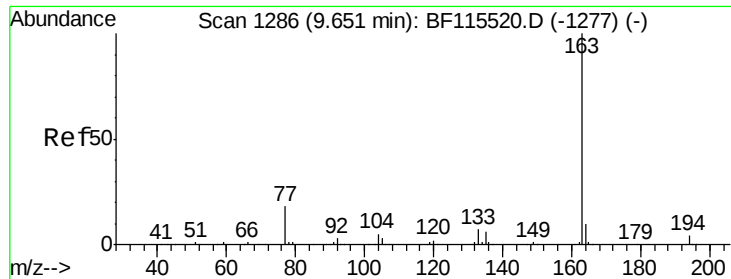
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#45
 2-Fluorobiphenyl
 Concen: 44.215 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: BF115637.D
 Acq: 17 Jul 2019 22:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.6	46.0
170	24.3	20.5	30.7





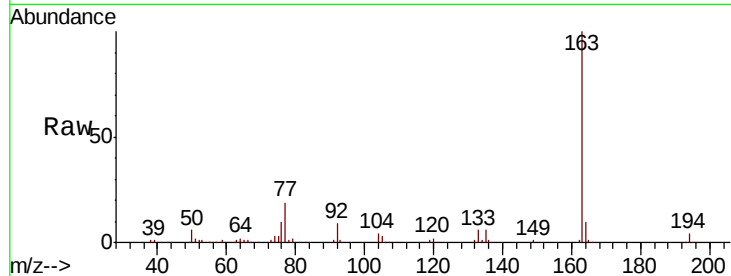
#50
Dimethylphthalate
Concen: 5.501 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

Instrument :
BNA_F
ClientSampleId :
COMP-1_071619

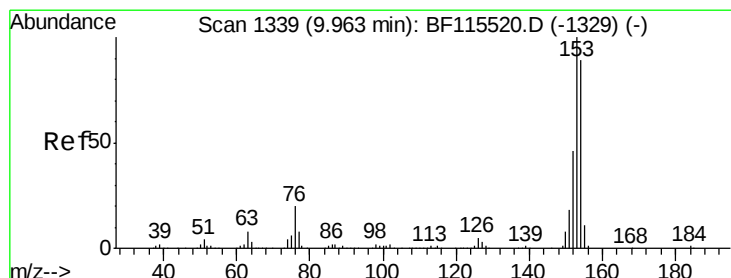
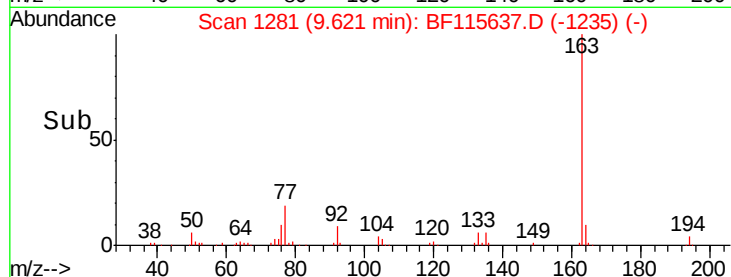
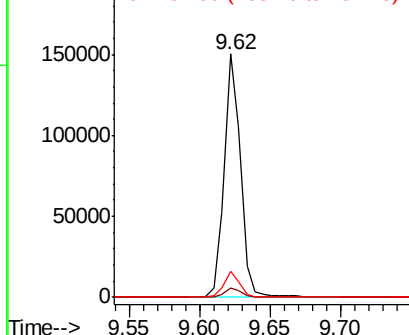
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	3.8		3.3	4.9	
164	10.4		8.7	13.1	

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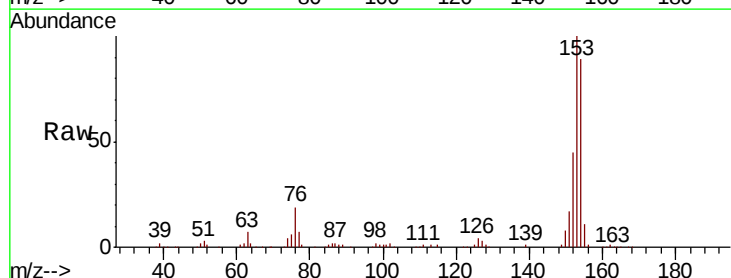


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

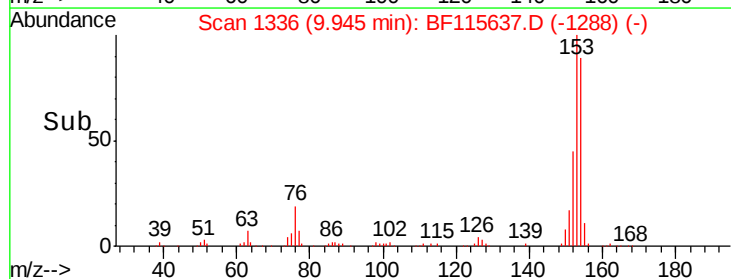
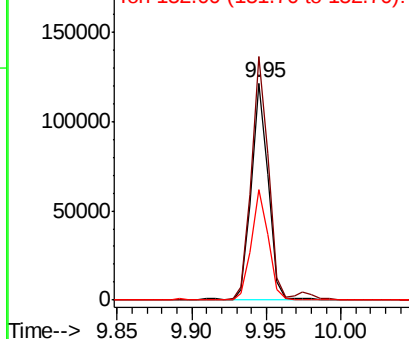


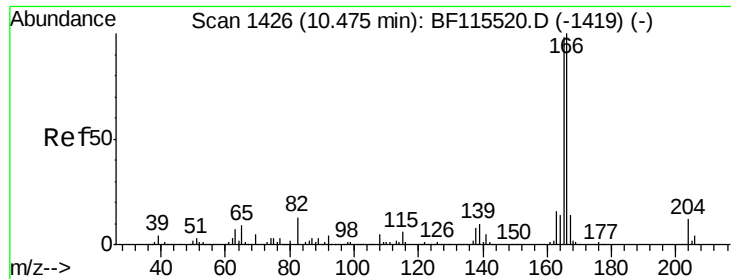
#52
Acenaphthene
Concen: 5.195 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100				
153	112.0		88.6	133.0	
152	50.9		42.3	63.5	



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





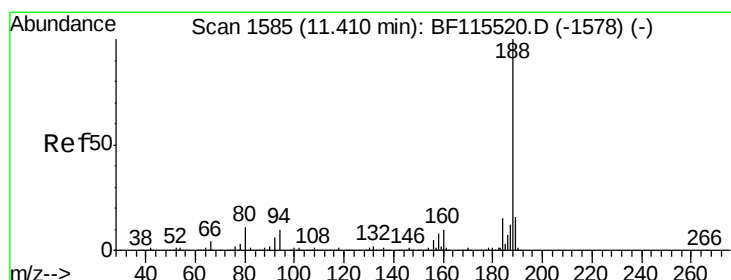
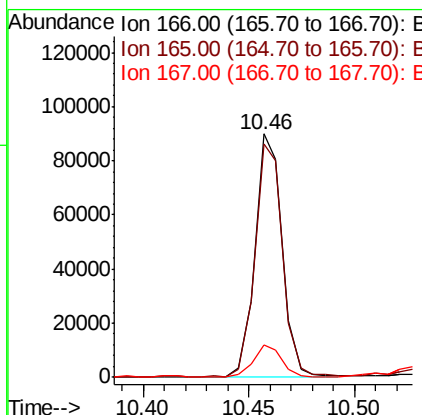
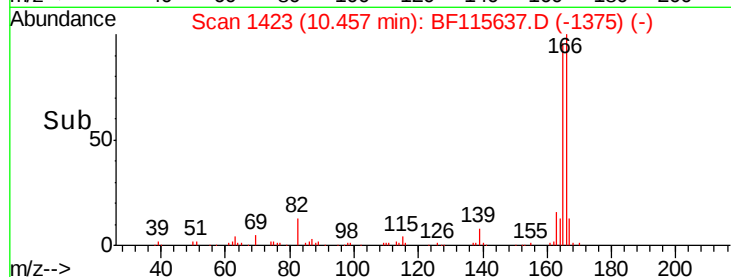
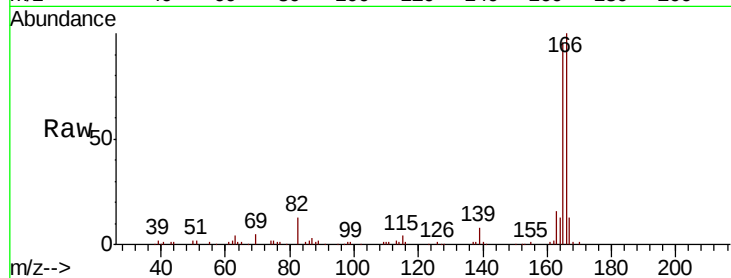
#58
 Fluorene
 Concen: 4.354 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.02 min
 Lab File: BF115637.D
 Acq: 17 Jul 2019 22:06

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1_071619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		80834		
165	95.8	79.8	119.6		
167	13.5	11.2	16.8		

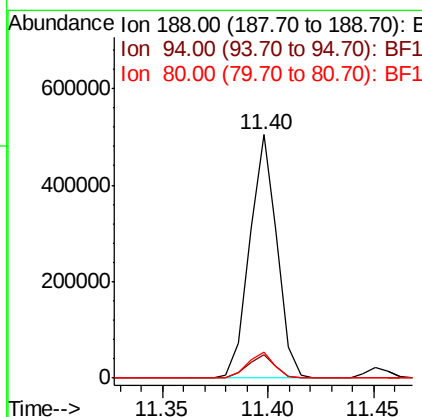
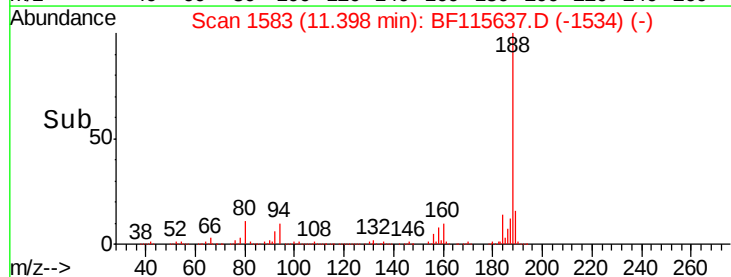
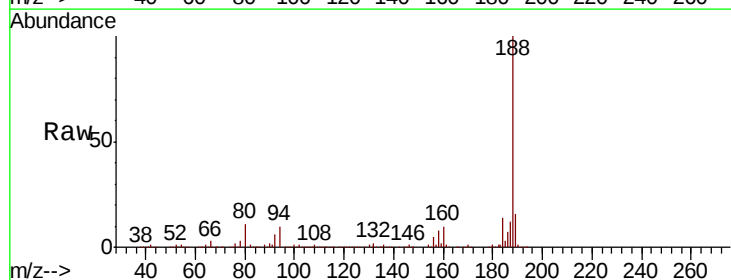
Manual Integrations
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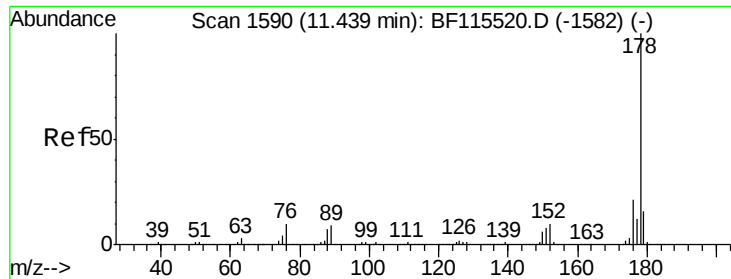
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF115637.D
 Acq: 17 Jul 2019 22:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		451663		
94	9.7	7.8	11.6		
80	10.5	8.6	13.0		





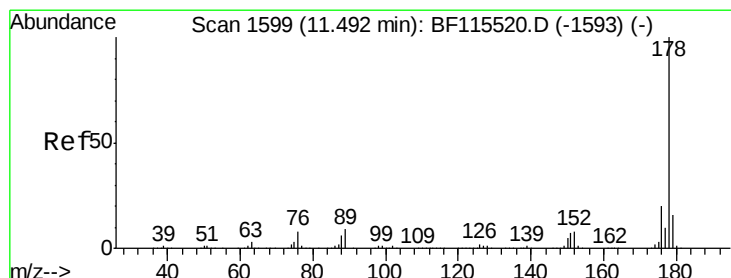
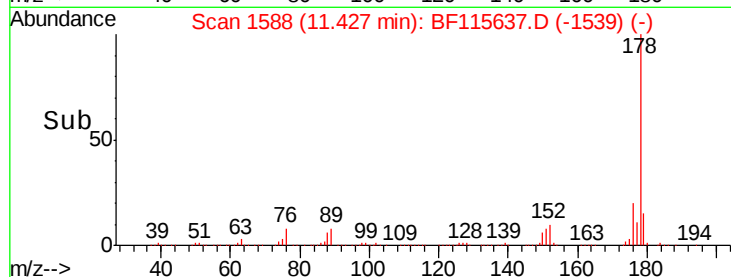
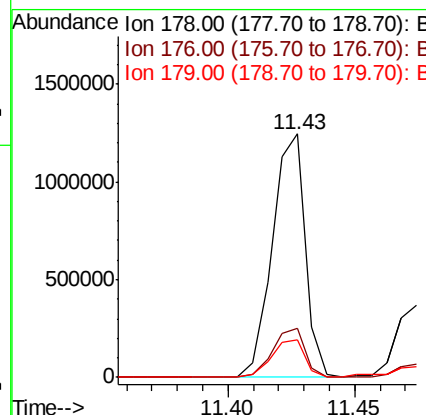
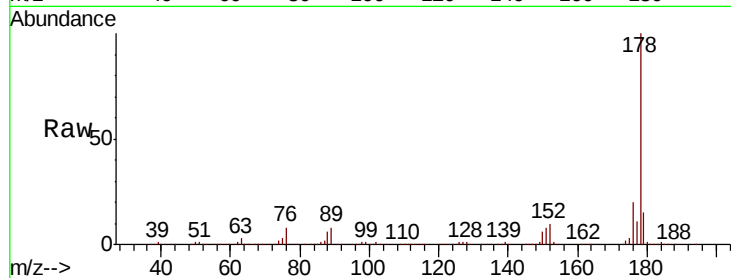
#71
Phenanthrene
Concen: 49.153 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

Instrument :
BNA_F
ClientSampleId :
COMP-1_071619

Tot Ion:178 Resp: 1137990
Ion Ratio Lower Upper
178 100
176 19.9 17.2 25.8
179 15.2 13.5 20.3

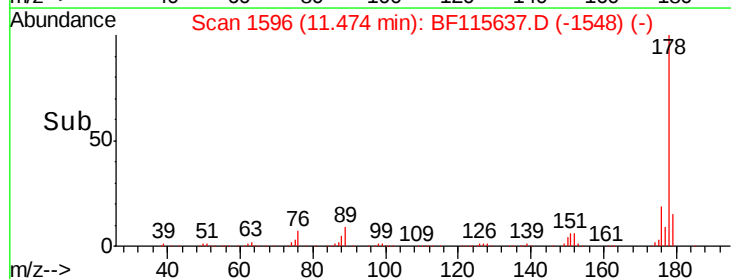
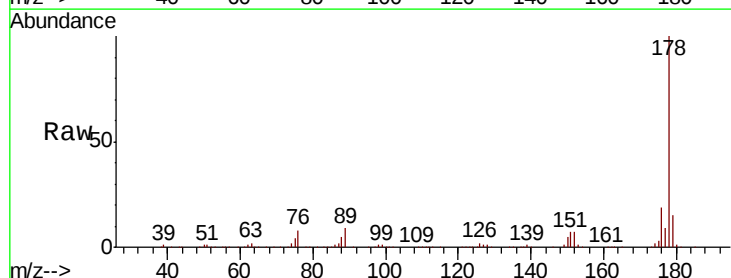
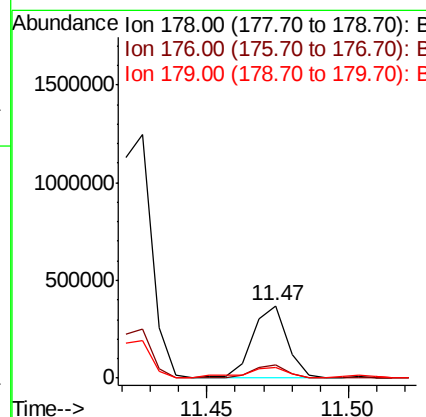
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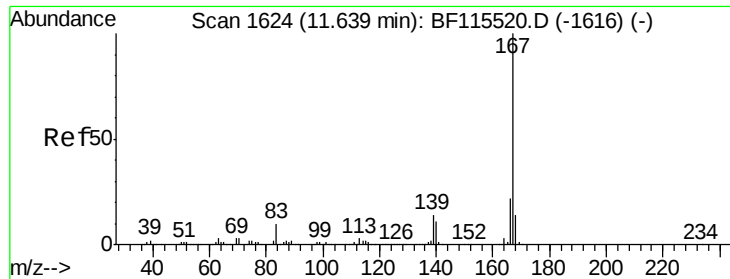
mohammad
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#72
Anthracene
Concen: 13.007 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

Tgt Ion:178 Resp: 311204
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 15.3 12.7 19.1





#73

Carbazole

Concen: 3.944 ng

RT: 11.62 min Scan# 1621

Delta R.T. -0.02 min

Lab File: BF115637.D

Acq: 17 Jul 2019 22:06

Instrument :

BNA_F

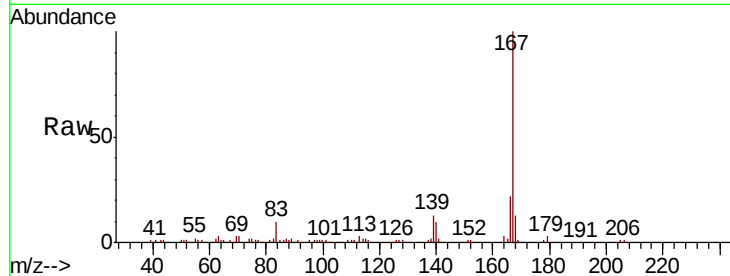
ClientSampleId :

COMP-1_071619

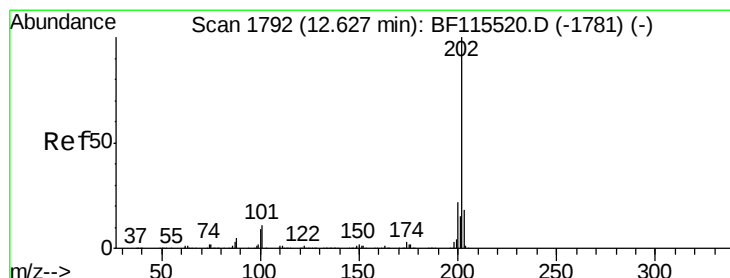
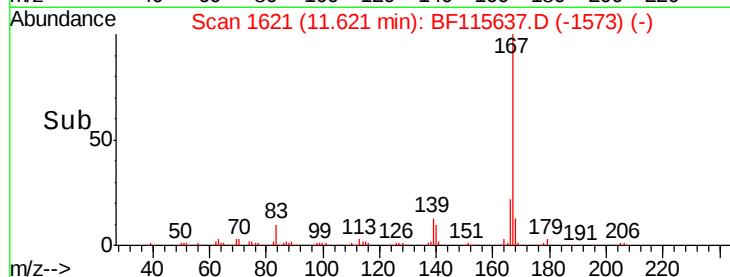
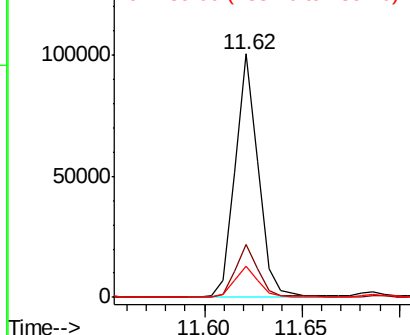
Tot Ion:	167	Resp:	82745
Ion Ratio	Lower	Upper	
167	100		
166	21.5	18.1	27.1
139	13.0	11.3	16.9

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 69.729 ng

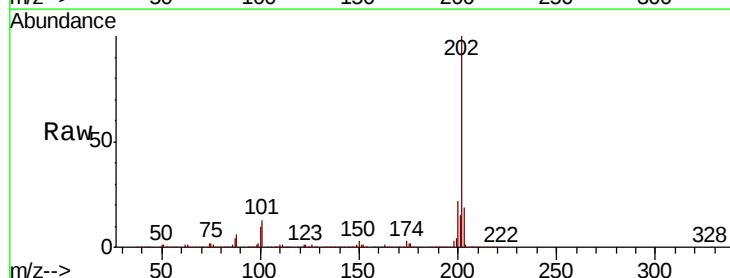
RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

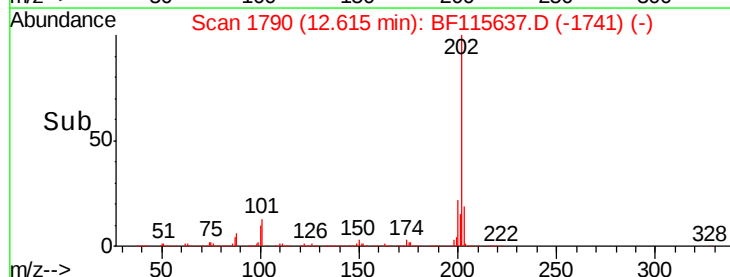
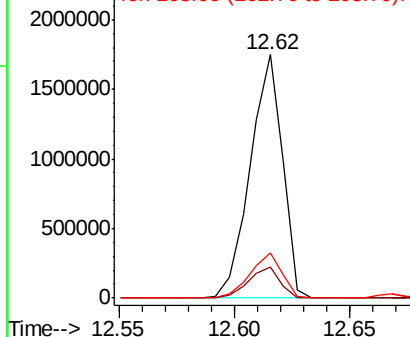
Lab File: BF115637.D

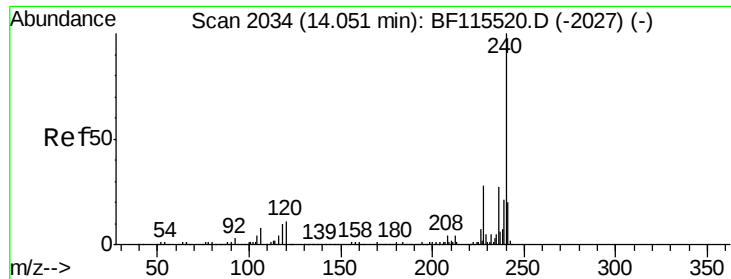
Acq: 17 Jul 2019 22:06

Tgt Ion:	202	Resp:	1705936
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	31.4
203	18.6	0.0	38.1



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





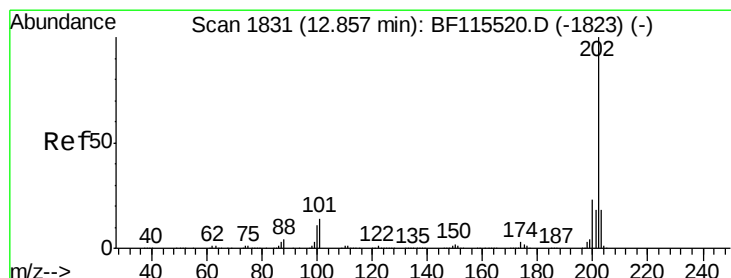
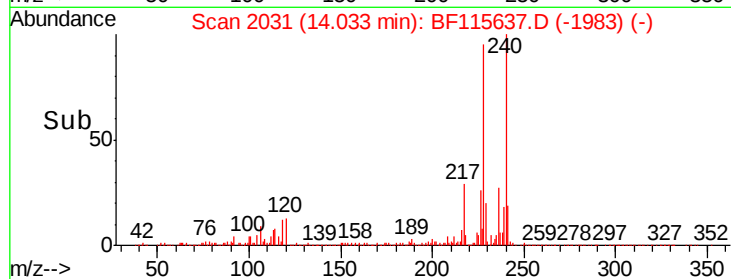
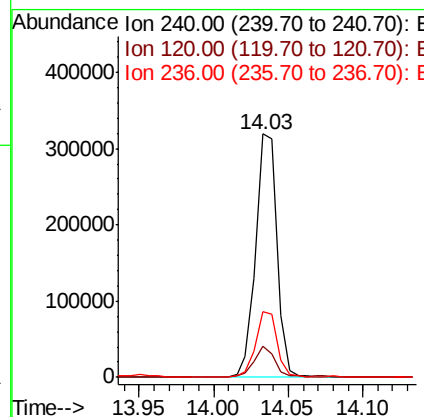
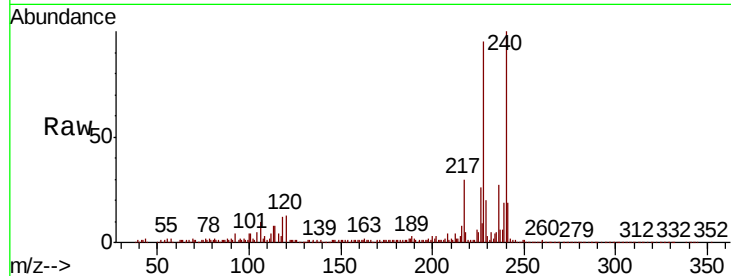
#76
Chrvsene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

Instrument :
BNA_F
ClientSampleId :
COMP-1_071619

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.6	13.0
236	27.2	21.3	31.9

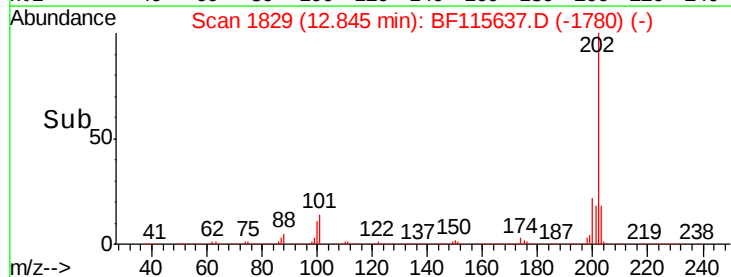
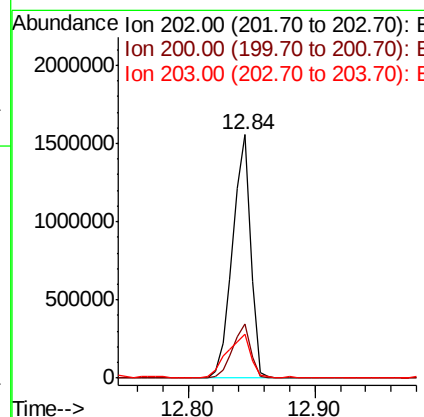
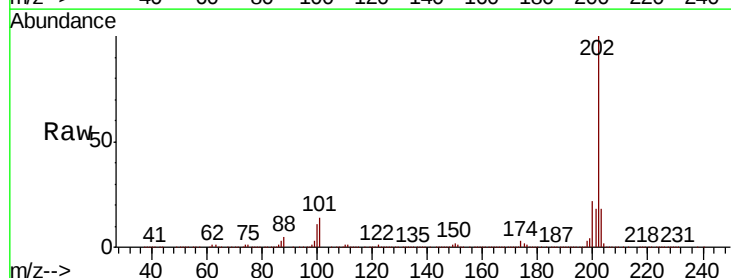
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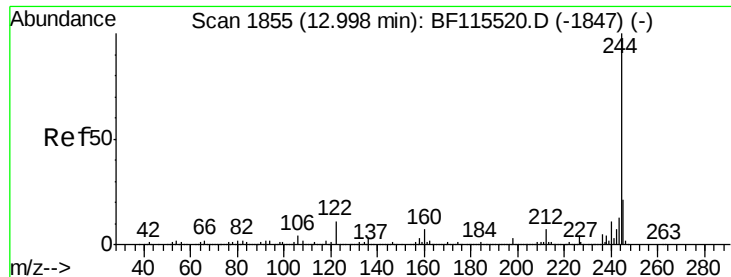
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#78
Pyrene
Concen: 58.088 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.7	28.1
203	18.1	15.2	22.8





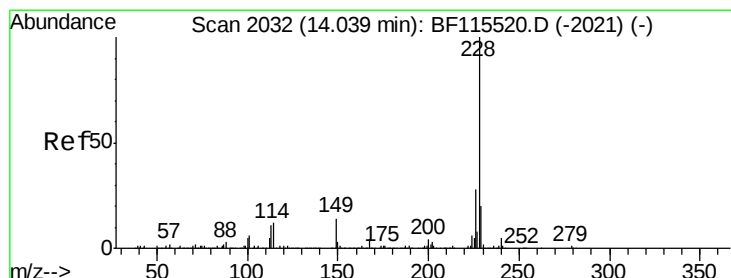
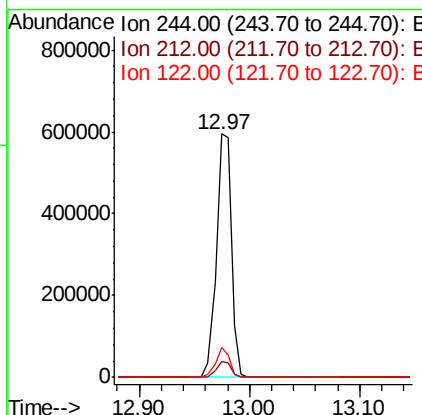
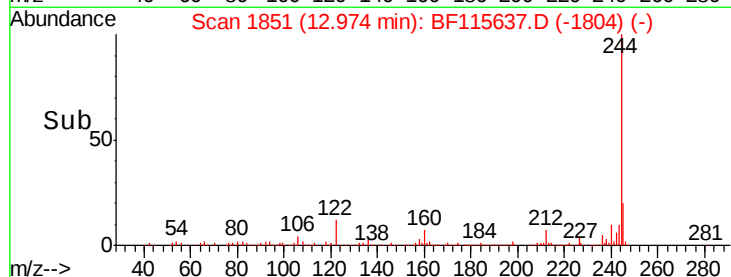
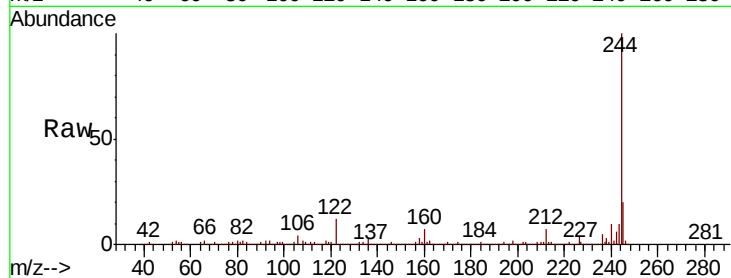
#79
 Terphenyl-d14
 Concen: 33.208 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.02 min
 Lab File: BF115637.D
 Acq: 17 Jul 2019 22:06

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1_071619

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	12.1	8.6	12.8

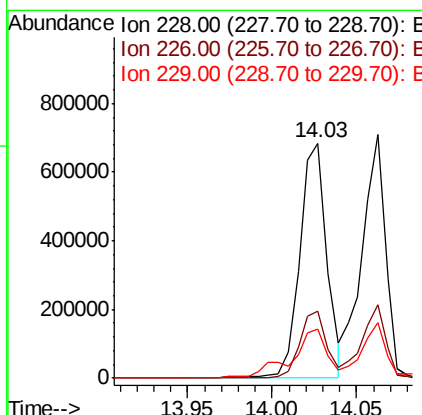
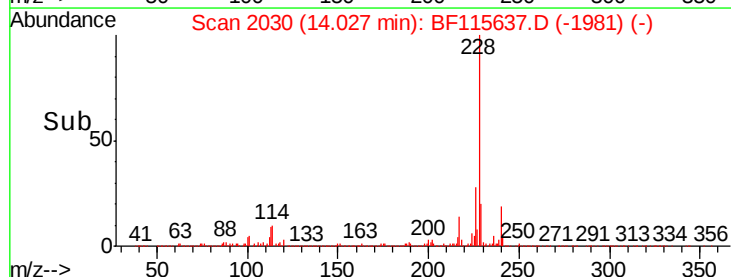
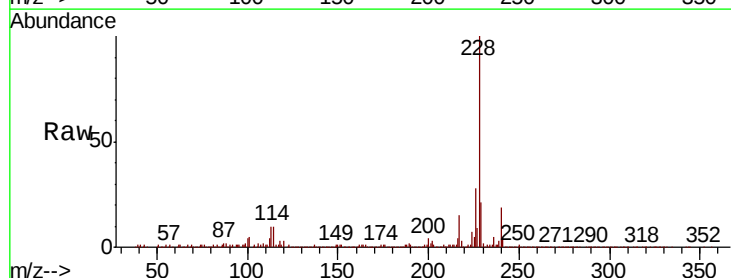
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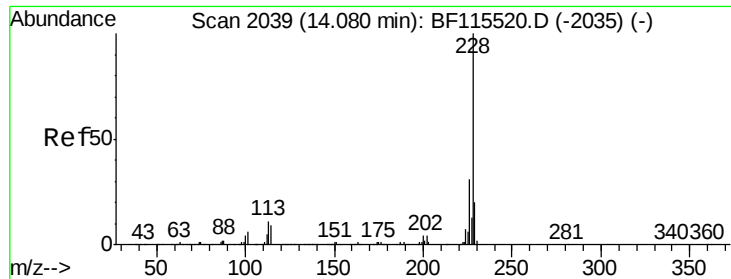
mohammad
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#81
 Benzo(a)anthracene
 Concen: 36.724 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF115637.D
 Acq: 17 Jul 2019 22:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.4	35.0
229	20.7	17.2	25.8





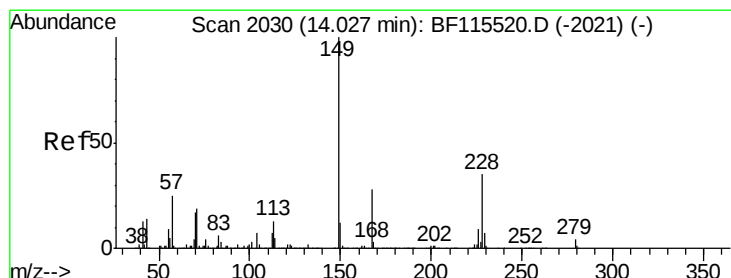
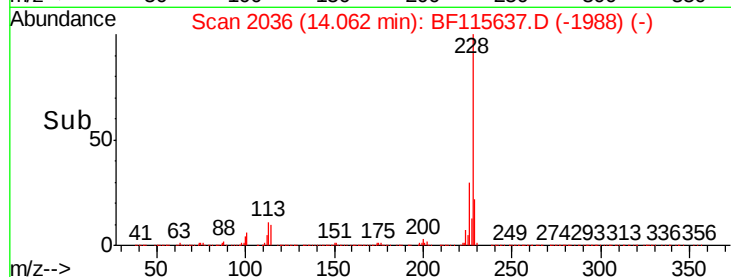
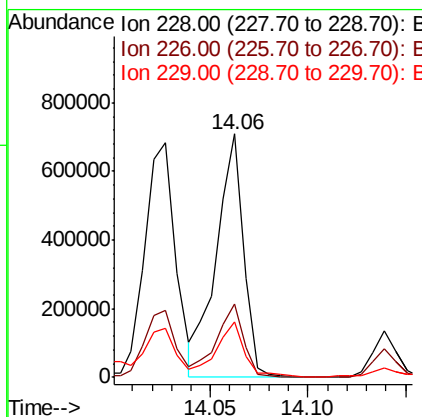
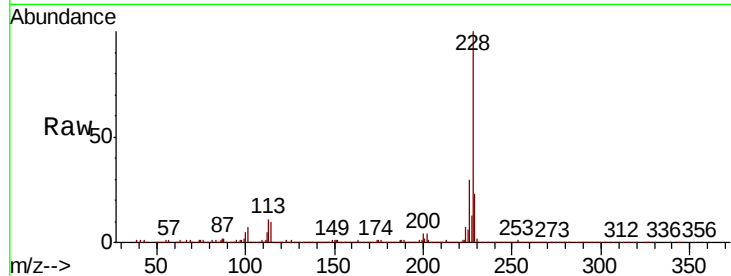
#83
Chrysene
Concen: 33.274 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

Instrument :
BNA_F
ClientSampleId :
COMP-1_071619

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.7	38.5
229	22.7	16.6	25.0

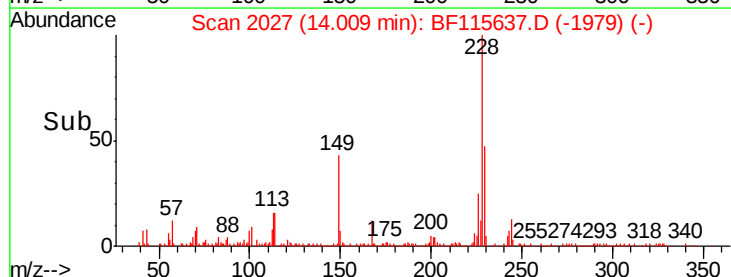
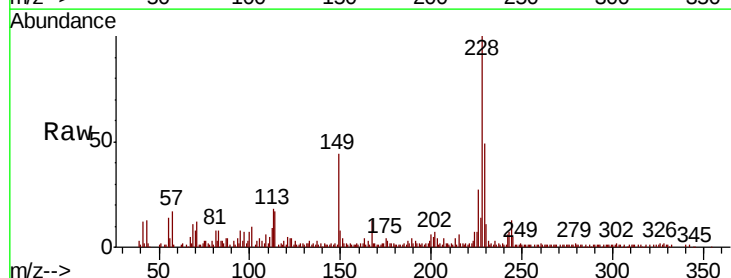
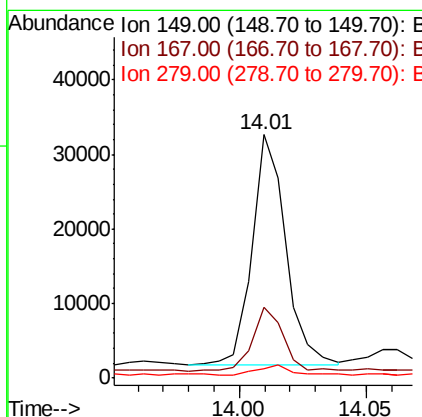
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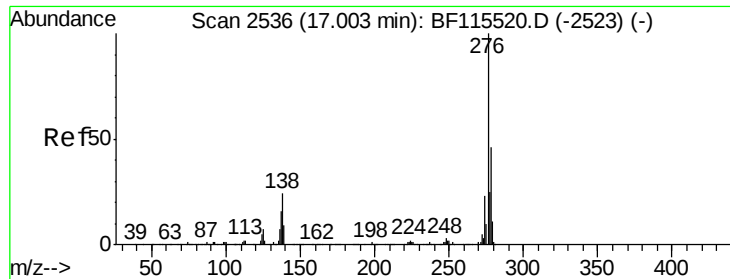
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.030 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.3	23.0	34.4
279	4.1	4.2	6.2#





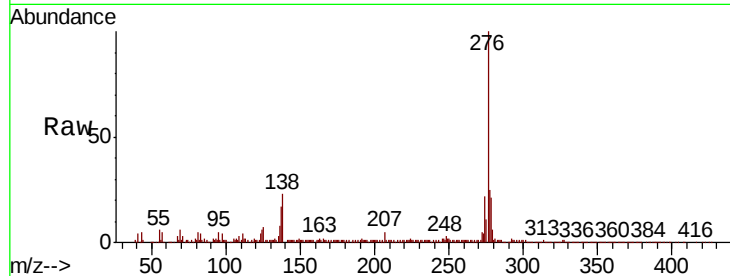
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 21.019 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.03 min
 Lab File: BF115637.D
 Acq: 17 Jul 2019 22:06

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1_071619

Tot Ion:	276	Resp:	368977
Ion Ratio	Lower	Upper	
276	100		
138	21.6	20.2	30.2
277	23.6	20.4	30.6

Manual Integrations
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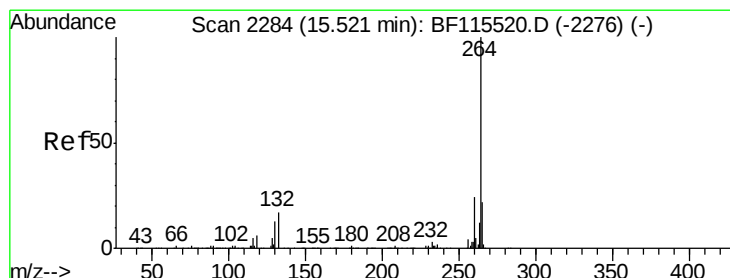
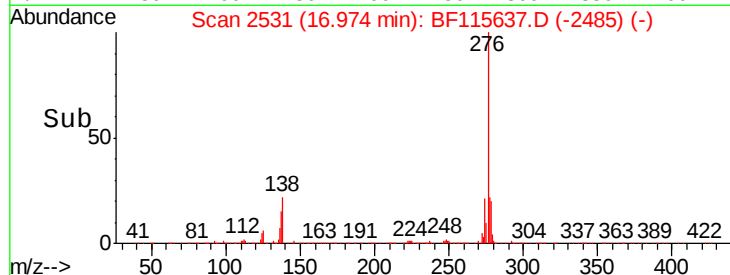
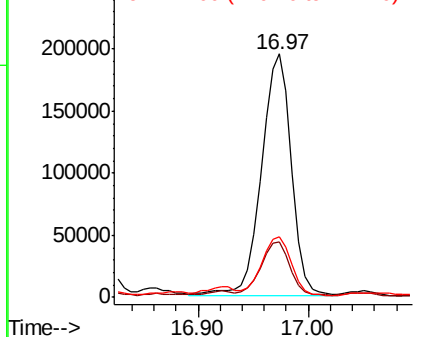


Abundance

Ion 276.00 (275.70 to 276.70): E

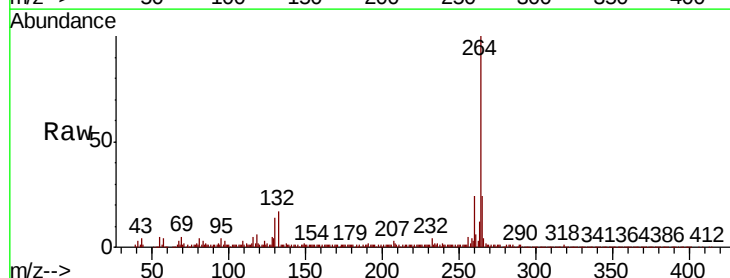
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.02 min
 Lab File: BF115637.D
 Acq: 17 Jul 2019 22:06

Tgt Ion:	264	Resp:	293789
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.8	29.8
265	23.5	17.7	26.5

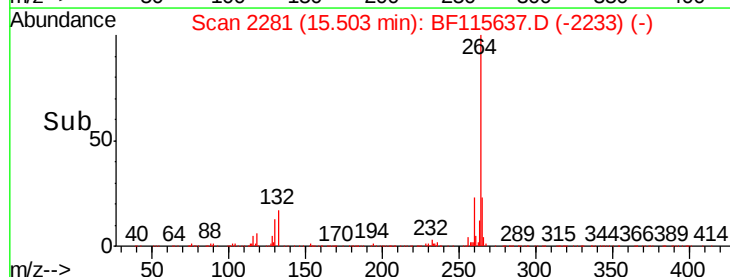
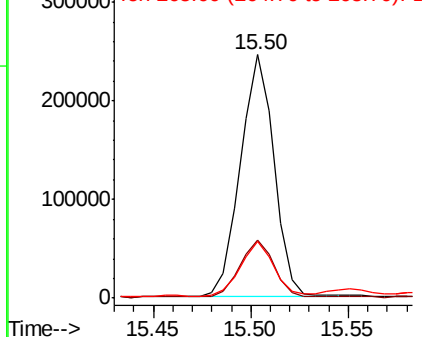


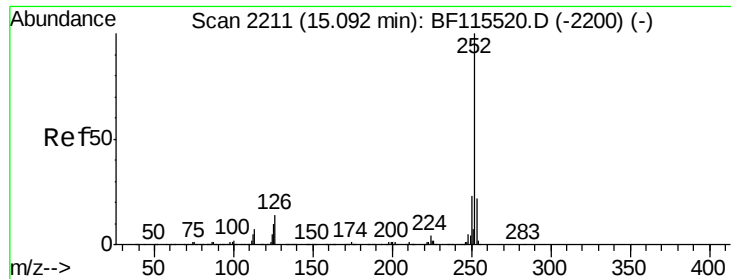
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





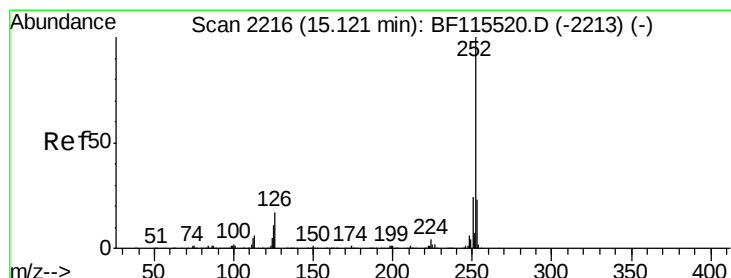
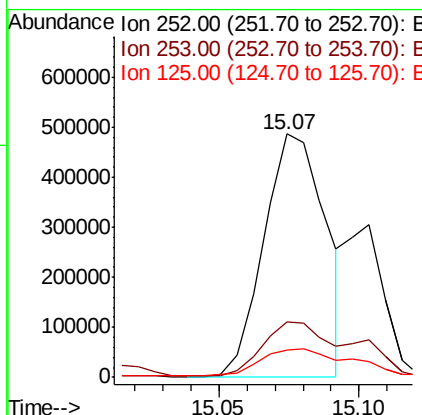
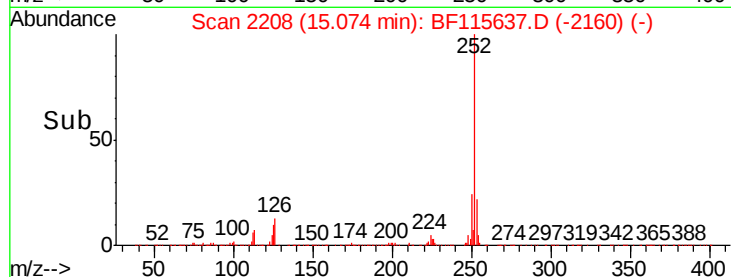
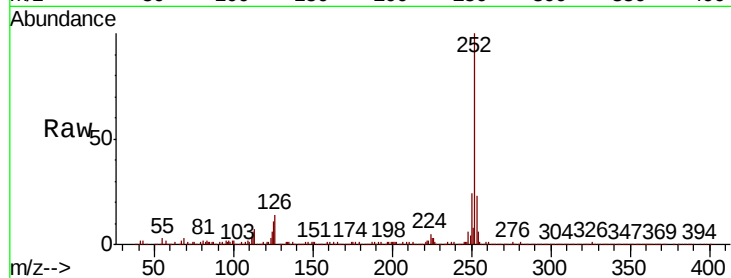
#88
Benzo(b)fluoranthene
Concen: 39.856 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

Instrument :
BNA_F
ClientSampleId :
COMP-1_071619

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.2	9.0	13.4

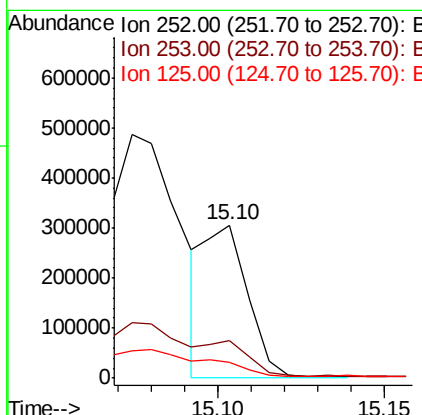
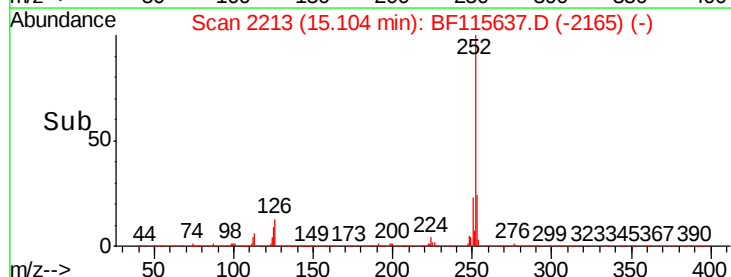
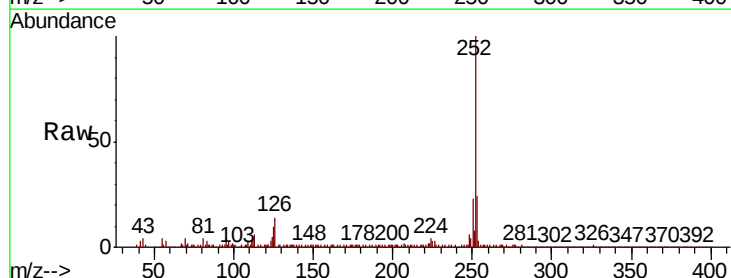
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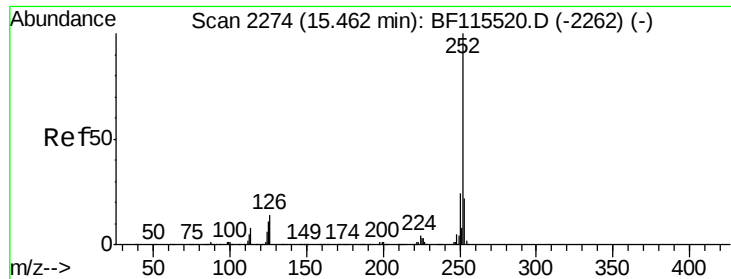
mohammad
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#89
Benzo(k)fluoranthene
Concen: 16.628 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.6	28.0
125	10.4	9.0	13.6





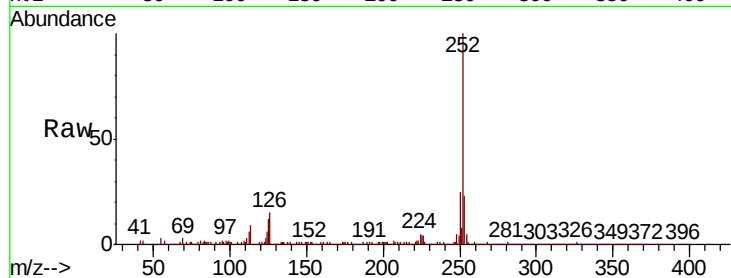
#90
Benzo(a)pyrene
Concen: 31.746 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

Instrument :
BNA_F
ClientSampleId :
COMP-1_071619

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	17.8	26.6
125	12.0	9.1	13.7

Manual Integrations
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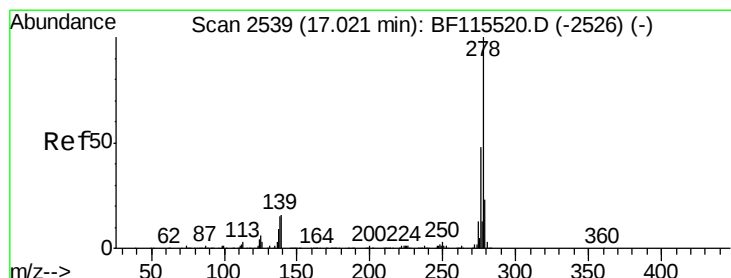
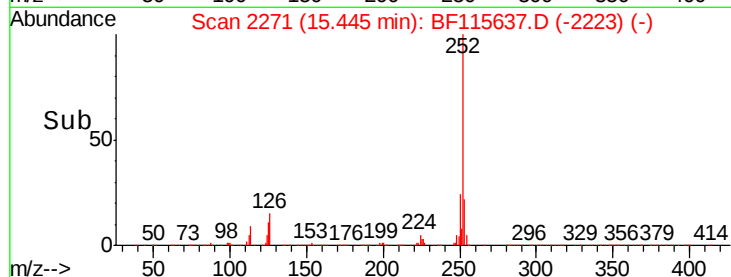
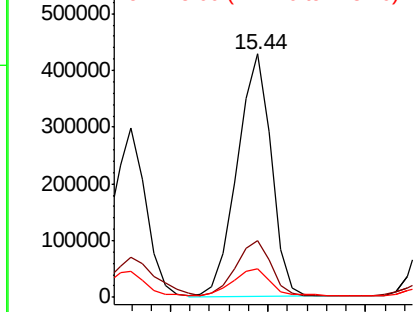


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Dibenzo(a,h)anthracene
Concen: 5.997 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BF115637.D
Acq: 17 Jul 2019 22:06

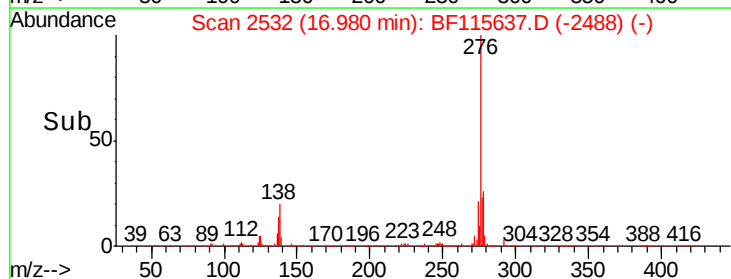
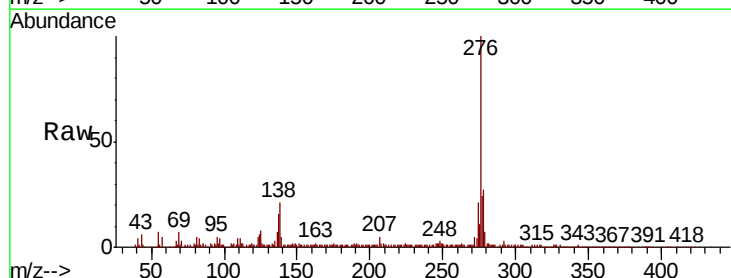
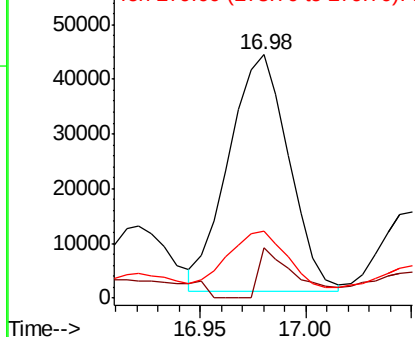
Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	20.5	13.1	19.7#
279	27.3	19.6	29.4

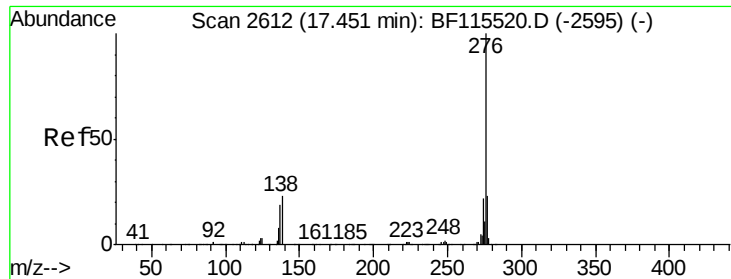
Abundance

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(a,h,i)perylene
 Concen: 24.382 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.04 min
 Lab File: BF115637.D
 Acq: 17 Jul 2019 22:06

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1_071619

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.0	28.4
138	24.2	17.2	25.8

Manual Integrations
 APPROVED

mohammad
 7/19/2019 2:26:11 PM

