

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115608.D
 Acq On : 16 Jul 2019 20:11
 Operator : HP/JU
 Sample : K3622-05 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-071519-A

Manual Integrations
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Quant Time: Jul 17 05:42:22 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	156475	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	521835	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	235955	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	402792	20.00	ng	0.00
76) Chrysene-d12	14.04	240	339889	20.00	ng	-0.01
87) Perylene-d12	15.52	264	373556	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	368314	38.50	ng	0.00
7) Phenol-d6	6.50	99	472449	38.92	ng	-0.02
23) Nitrobenzene-d5	7.43	82	294145	32.78	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	95639	34.73	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	489373	36.30	ng	-0.02
79) Terphenyl-d14	12.99	244	468012	25.41	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.77	152	99001	4.350	ng	95
50) Dimethylphthalate	9.63	163	71268	4.015	ng	98
58) Fluorene	10.46	166	57020	3.822	ng	95
71) Phenanthrene	11.43	178	491235	23.792	ng	96
72) Anthracene	11.47	178	160080	7.502	ng	98
75) Fluoranthene	12.62	202	866977	39.737	ng	98
78) Pyrene	12.84	202	883822	30.692	ng	97
81) Benzo(a)anthracene	14.03	228	488303	21.807	ng	95
83) Chrysene	14.07	228	466868	20.770	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	212987	11.153	ng	94
88) Benzo(b)fluoranthene	15.09	252	633208m	26.324	ng	
89) Benzo(k)fluoranthene	15.11	252	184366m	8.597	ng	
90) Benzo(a)pyrene	15.45	252	427498	20.678	ng	99
91) Dibenzo(a,h)anthracene	17.00	278	54260	2.990	ng	# 85
92) Benzo(a,h,i)perylene	17.43	276	191025	10.553	ng	97

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

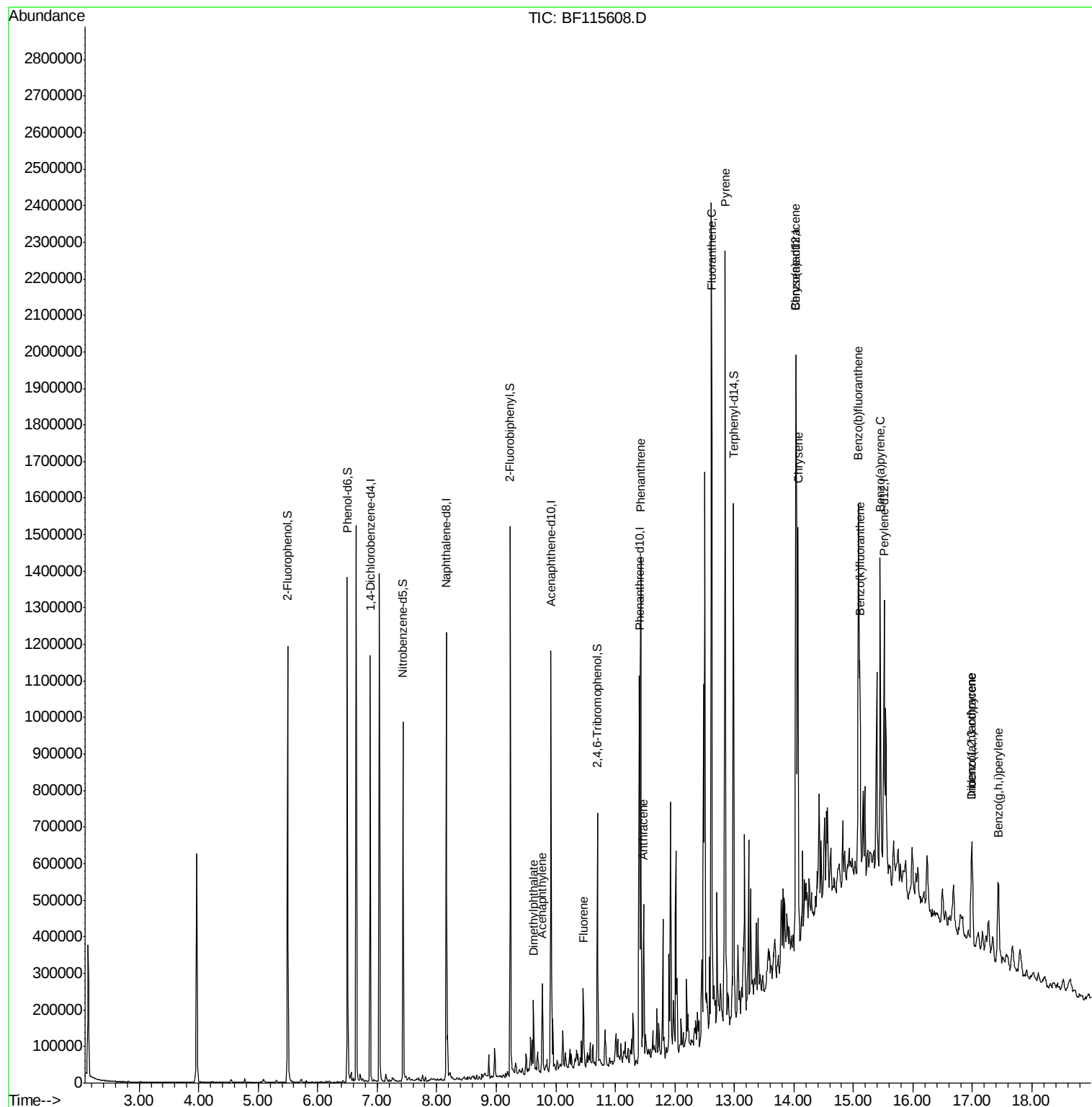
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

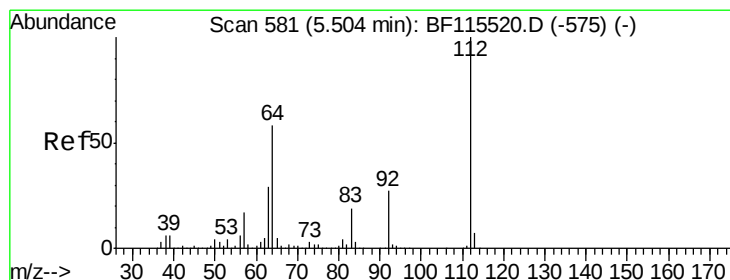
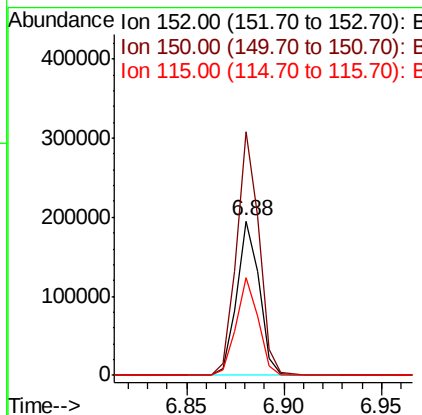
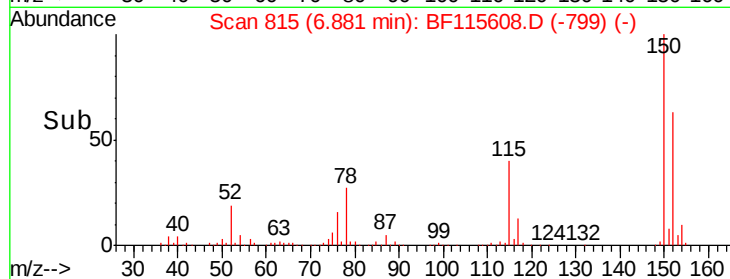
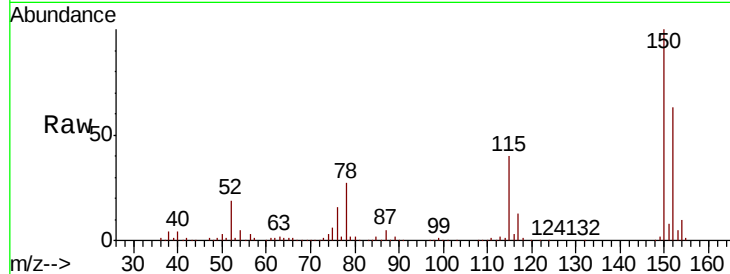
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Instrument :
BNA_F
ClientSampleId :
OR-03-071519-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	129.7	194.5
115	63.4	48.2	72.4

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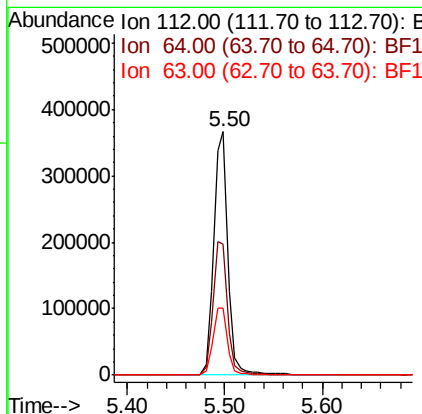
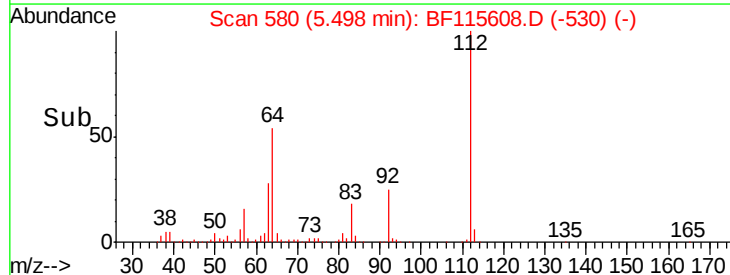
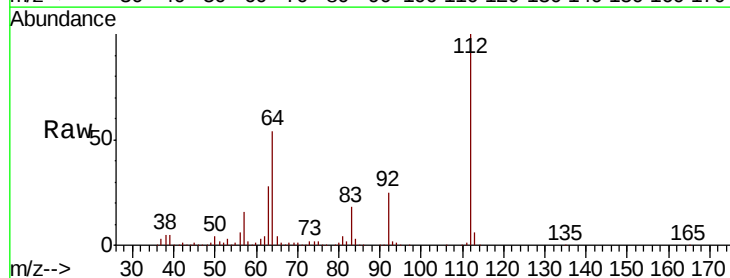
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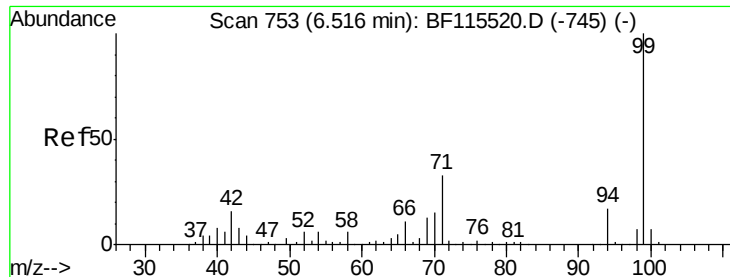


#5

2-Fluorophenol
Concen: 38.502 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	46.8	70.2
63	27.7	24.1	36.1





#7

Phenol-d6

Concen: 38.922 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

Instrument :

BNA_F

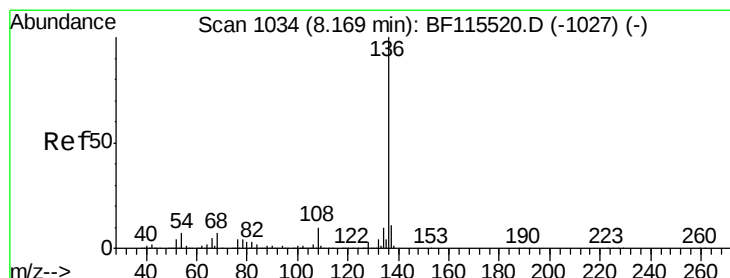
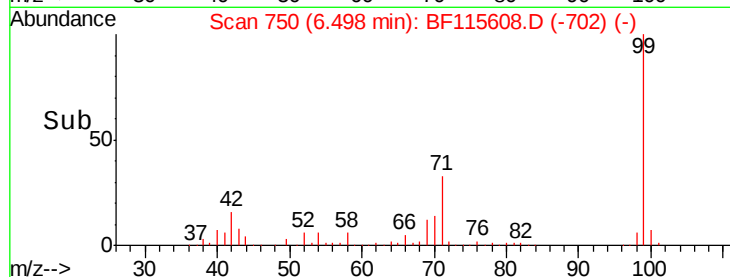
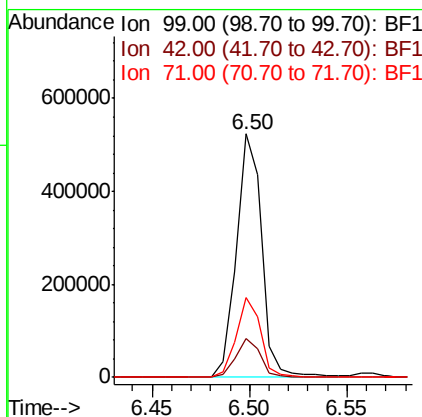
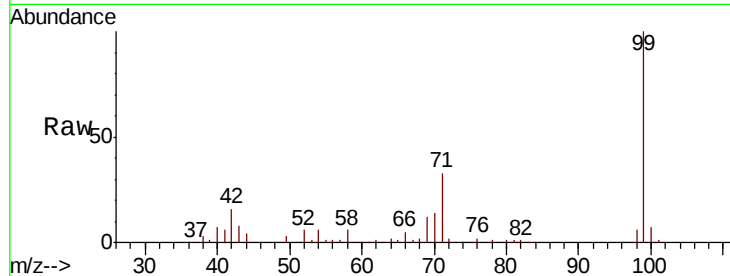
ClientSampleId :

OR-03-071519-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		472449		
42	16.2	13.6	20.4		
71	32.5	28.5	42.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

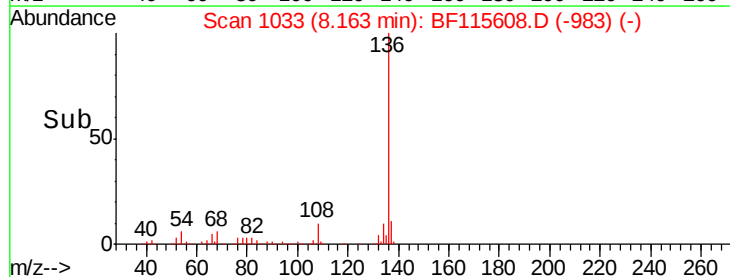
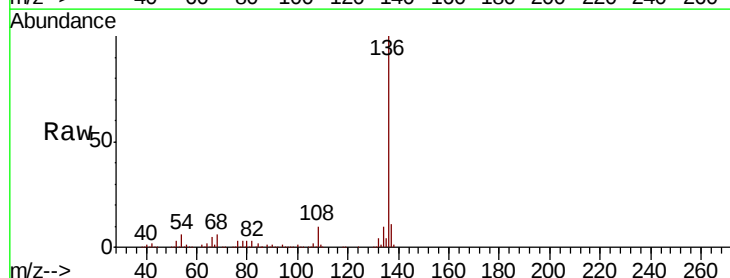
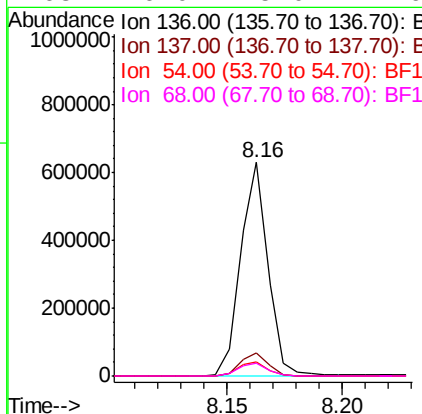
RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		521835		
137	10.9	9.0	13.4		
54	6.4	5.6	8.4		
68	6.0	5.0	7.6		





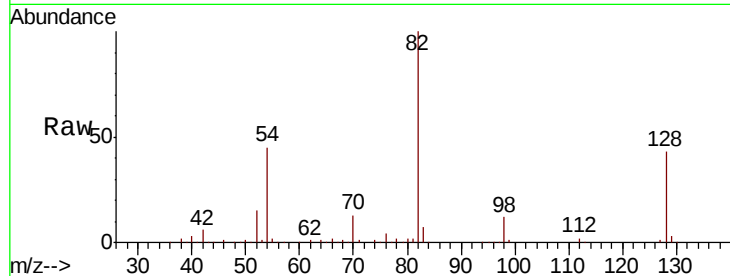
#23
 Nitrobenzene-d5
 Concen: 32.776 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: BF115608.D
 Acq: 16 Jul 2019 20:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-071519-A

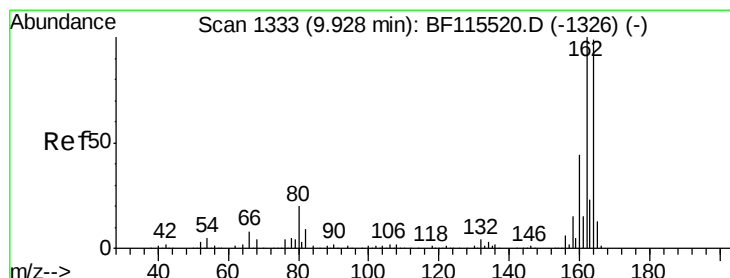
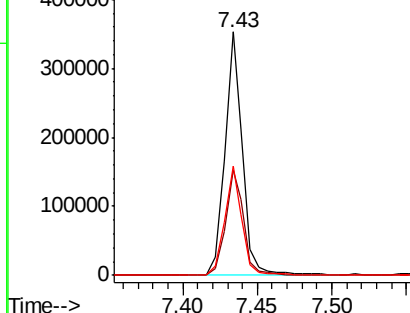
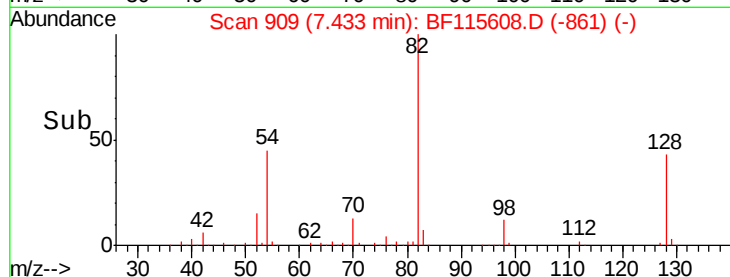
Tot Ion	Ratio	Resp	Lower	Upper
82	100	294145		
128	43.5	38.6	57.8	
54	44.6	35.6	53.4	

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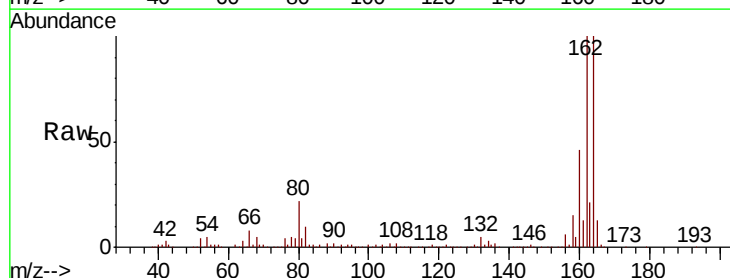


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

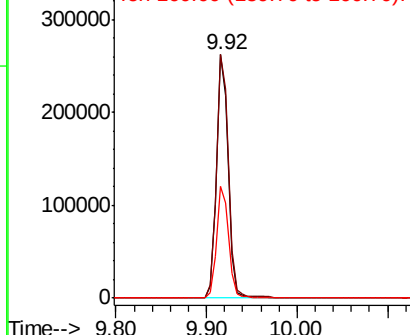
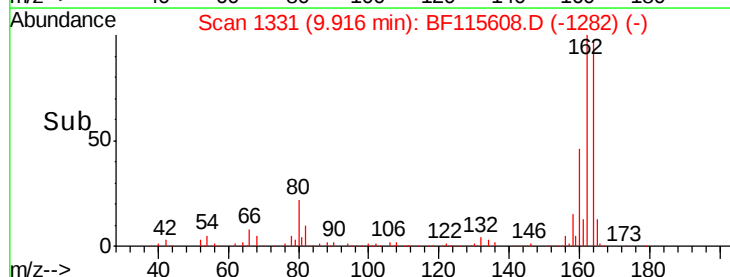


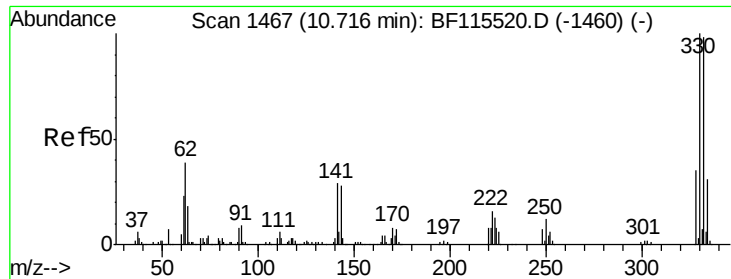
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF115608.D
 Acq: 16 Jul 2019 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	235955		
162	99.9	82.9	124.3	
160	45.7	36.8	55.2	



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





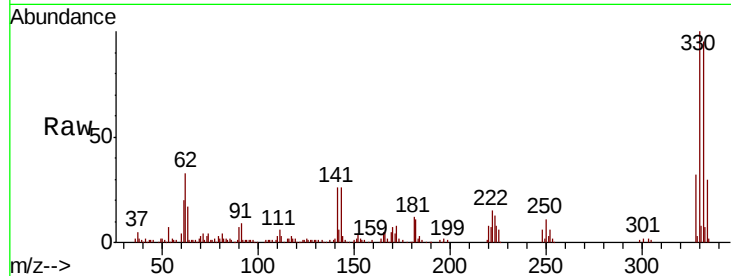
#42
 2,4,6-Tribromophenol
 Concen: 34.725 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF115608.D
 Acq: 16 Jul 2019 20:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-071519-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.4	116.2
141	29.8	22.4	33.6

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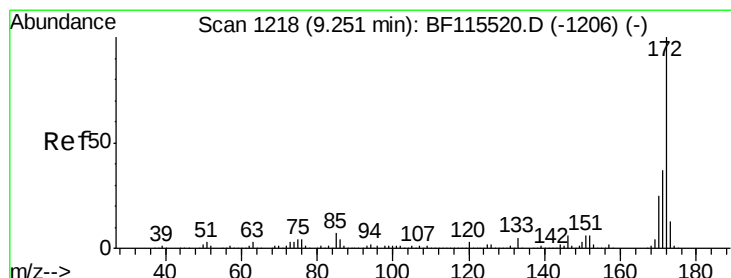
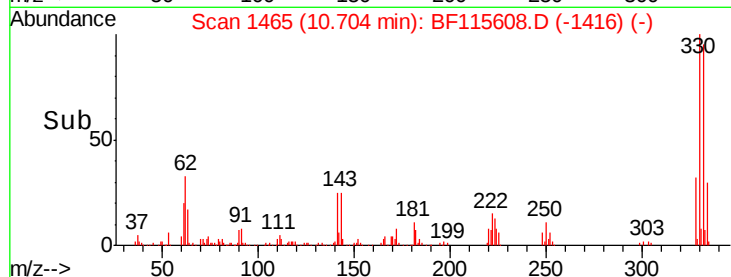
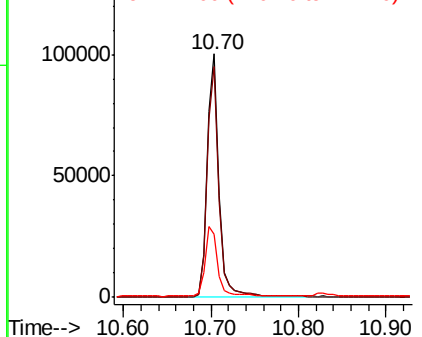


Abundance

Ion 329.80 (329.50 to 330.50): E

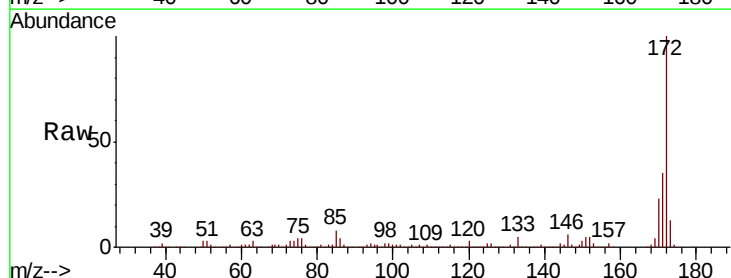
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 36.301 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: BF115608.D
 Acq: 16 Jul 2019 20:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.6	46.0
170	22.8	20.5	30.7

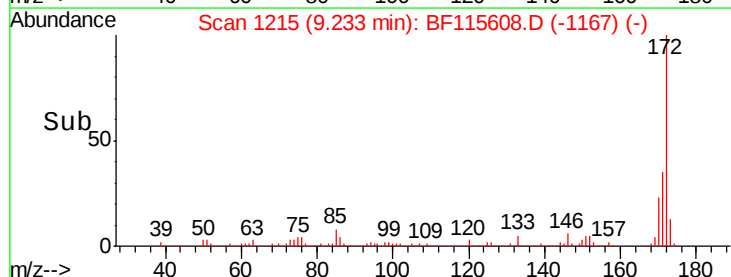
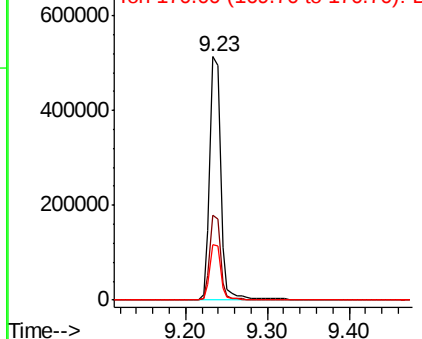


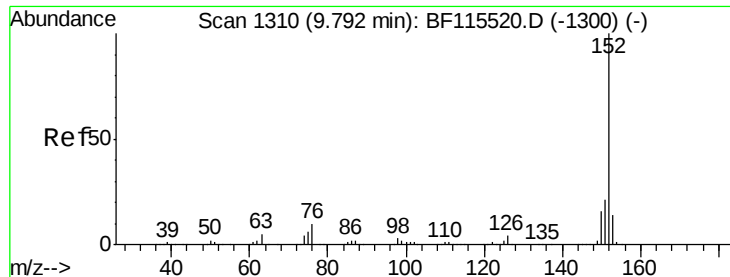
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





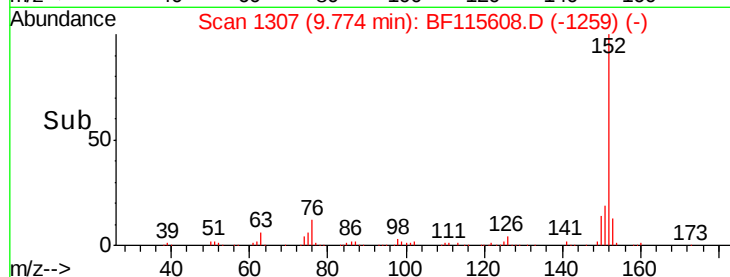
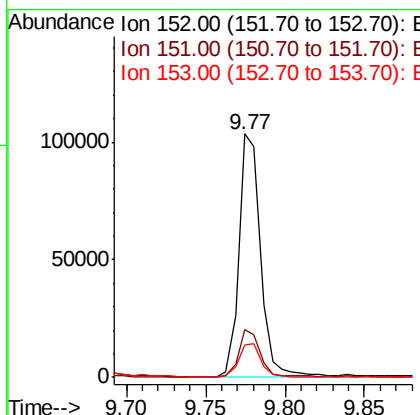
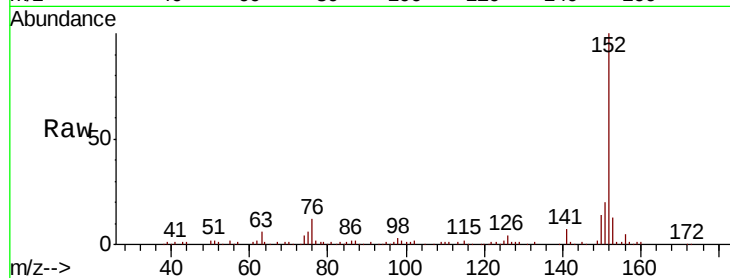
#49
Acenaphthylene
Concen: 4.350 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Instrument :
BNA_F
ClientSampleId :
OR-03-071519-A

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	17.7	26.5
153	13.4	12.0	18.0

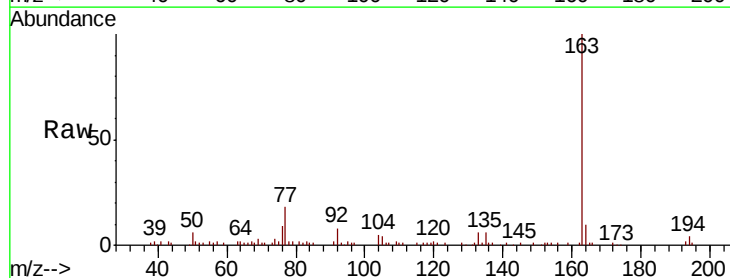
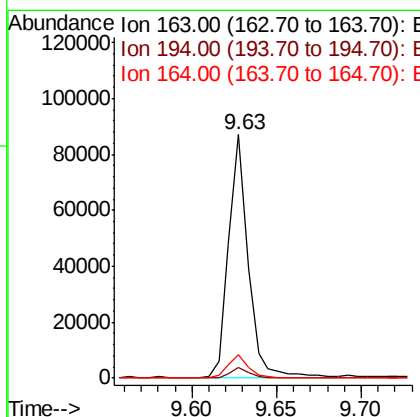
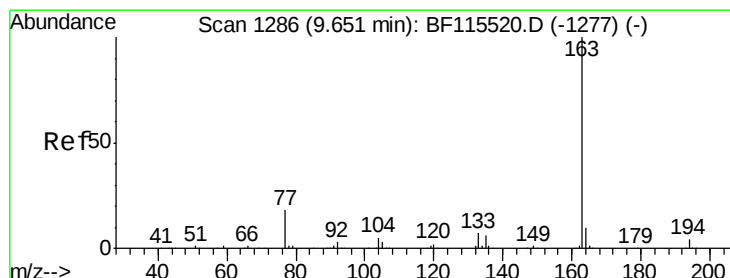
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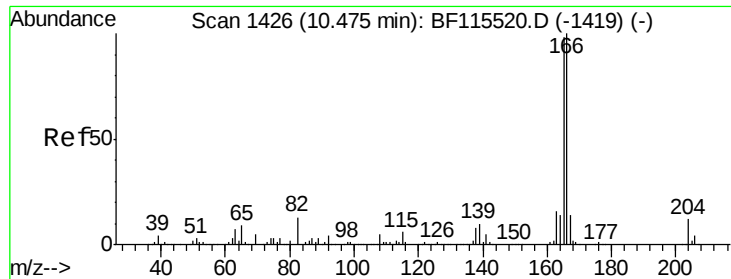
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#50
Dimethylphthalate
Concen: 4.015 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.7	8.7	13.1





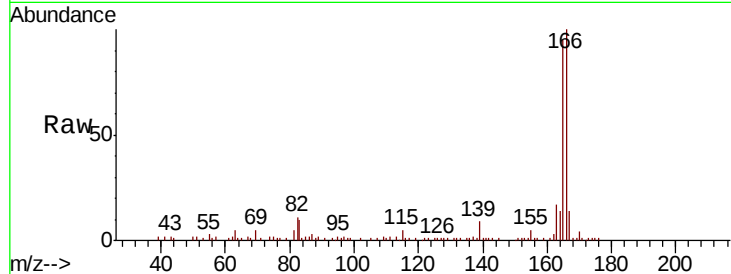
#58
 Fluorene
 Concen: 3.822 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF115608.D
 Acq: 16 Jul 2019 20:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-071519-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		57020		
165	94.6	79.8	119.6		
167	13.6	11.2	16.8		

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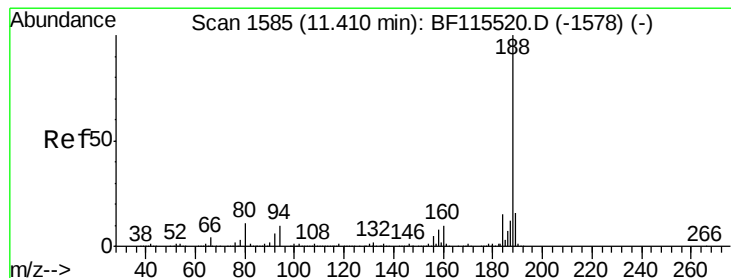
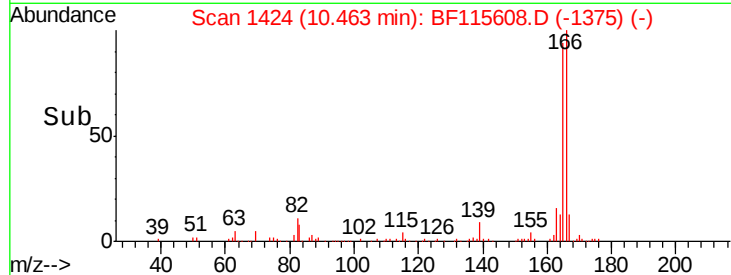
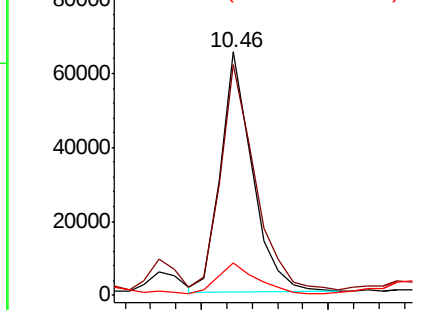


Abundance

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: BF115608.D
 Acq: 16 Jul 2019 20:11

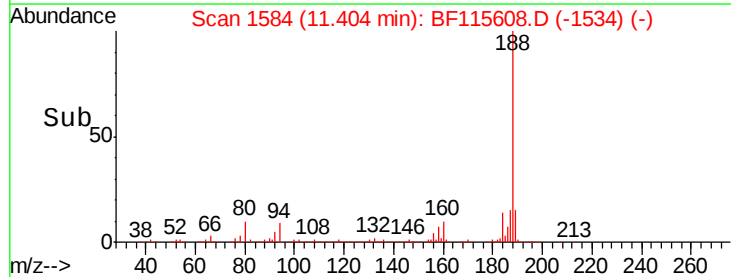
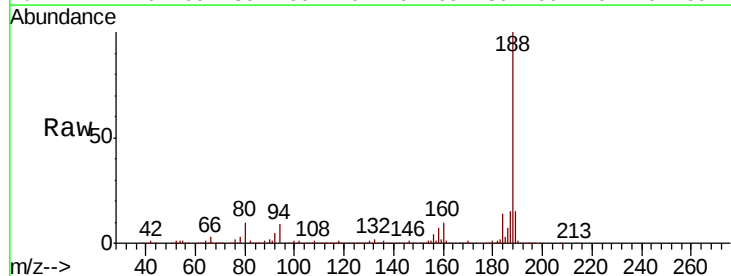
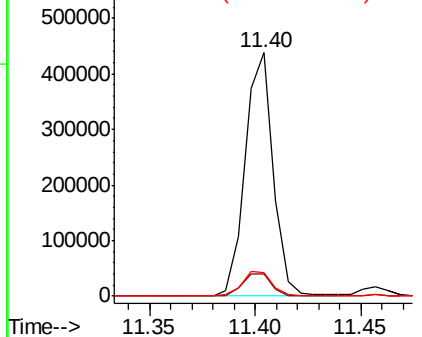
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		402792		
94	9.1	7.8	11.6		
80	9.5	8.6	13.0		

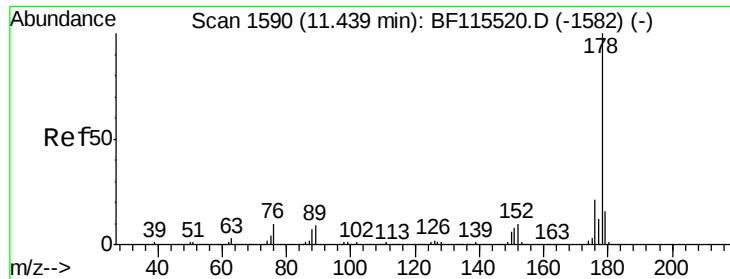
Abundance

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





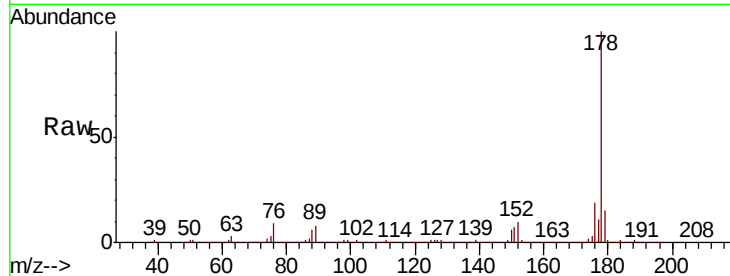
#71
Phenanthrene
Concen: 23.792 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Instrument :
BNA_F
ClientSampleId :
OR-03-071519-A

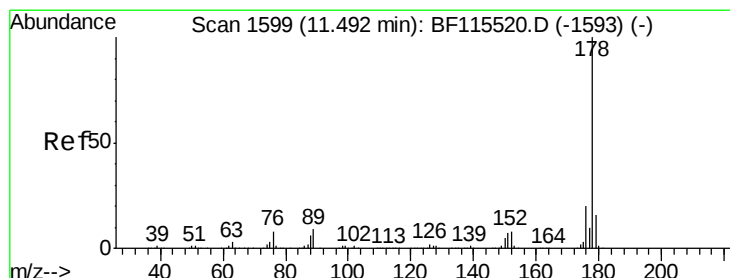
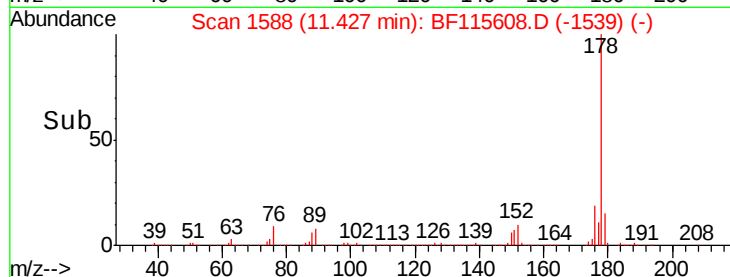
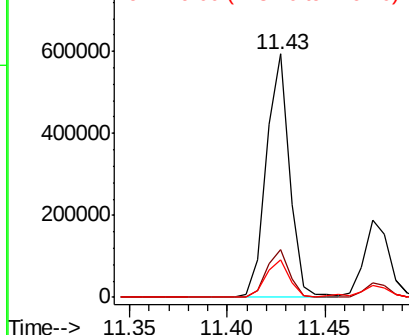
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	17.2	25.8
179	15.4	13.5	20.3

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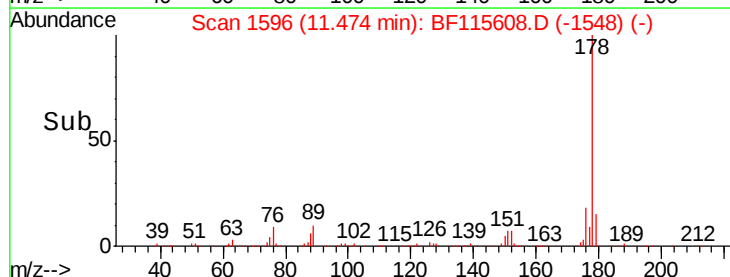
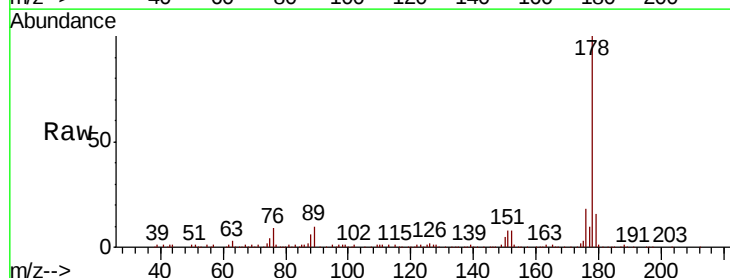
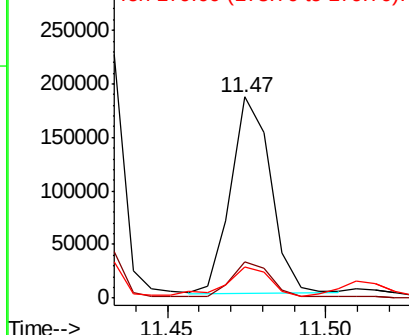
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

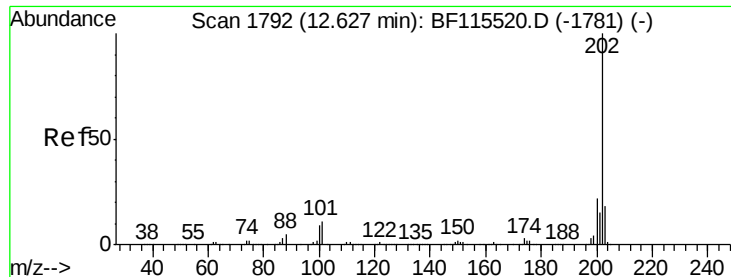


#72
Anthracene
Concen: 7.502 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.9	23.9
179	15.7	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





#75

Fluoranthene

Concen: 39.737 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

Instrument :

BNA_F

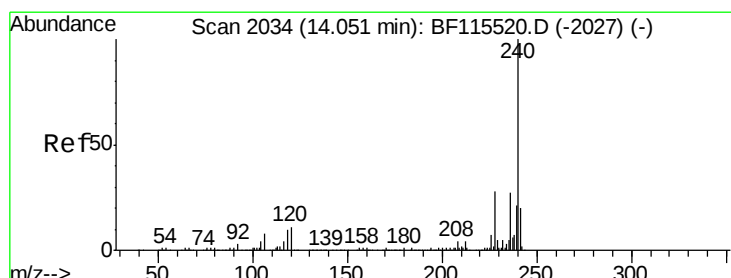
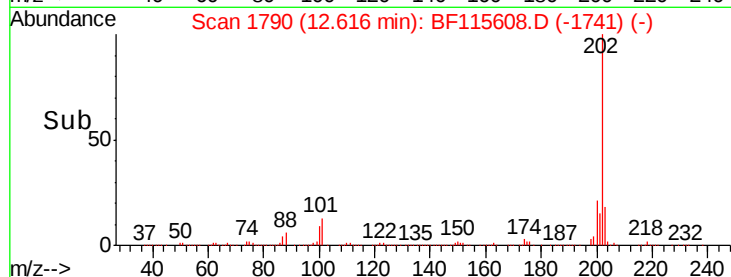
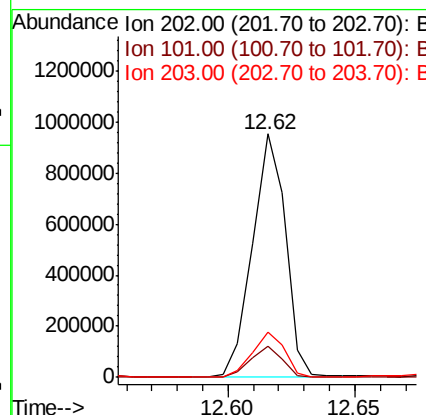
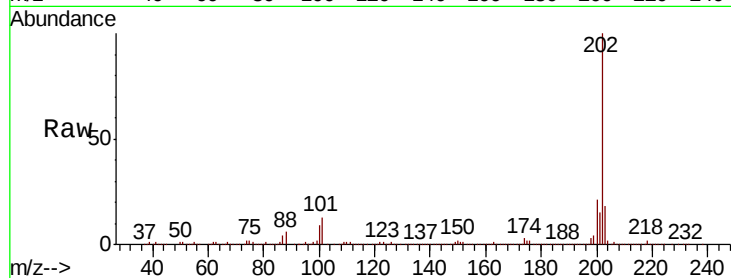
ClientSampleId :

OR-03-071519-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.6	0.0	31.4		
203	18.4	0.0	38.1		

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#76

Chrysene-d12

Concen: 20.000 ng

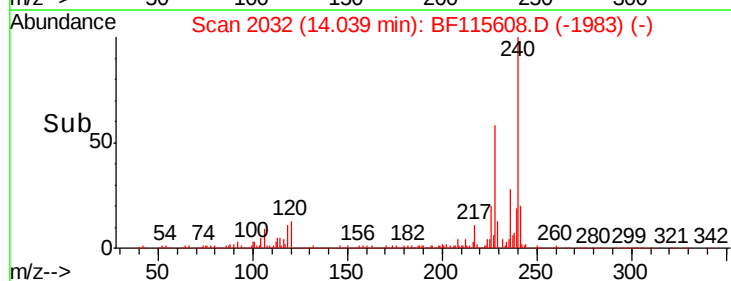
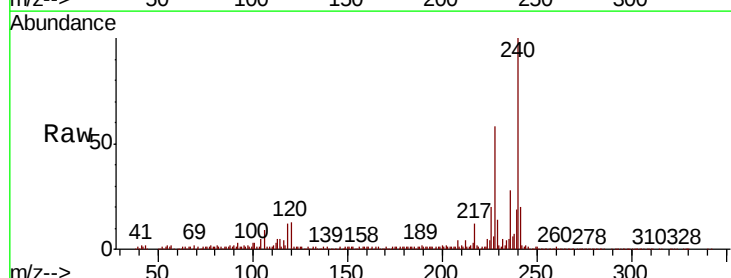
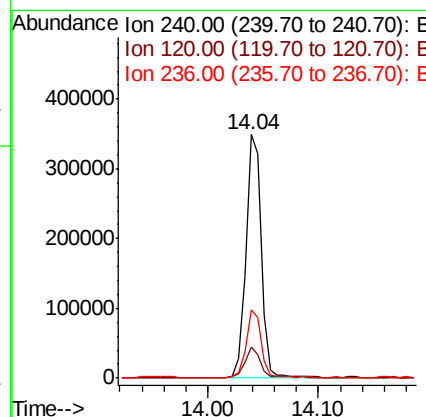
RT: 14.04 min Scan# 2032

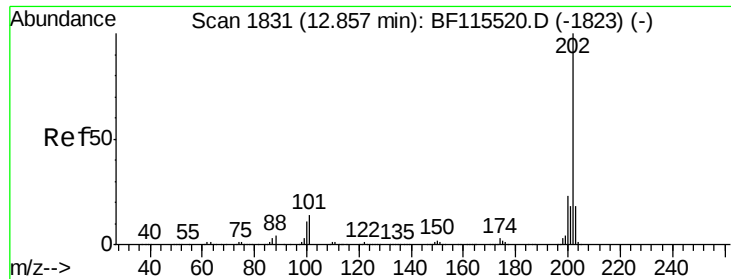
Delta R.T. -0.01 min

Lab File: BF115608.D

Acq: 16 Jul 2019 20:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	12.9	8.6	13.0		
236	27.9	21.3	31.9		





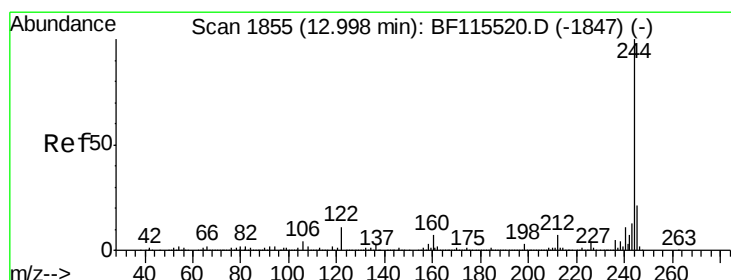
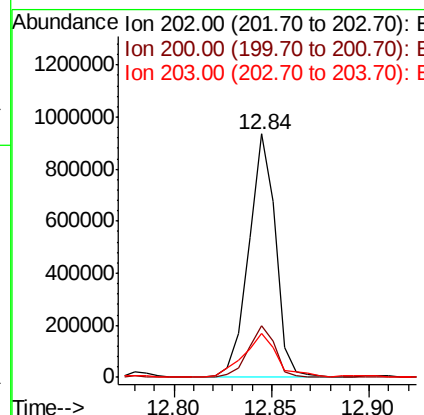
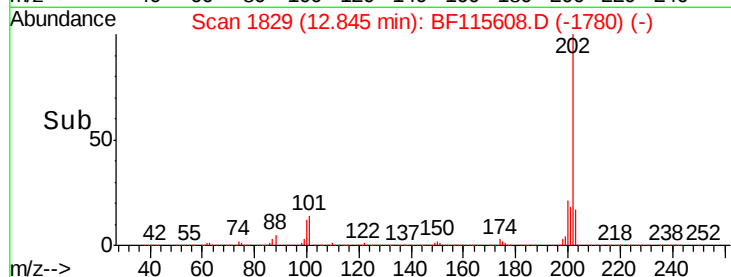
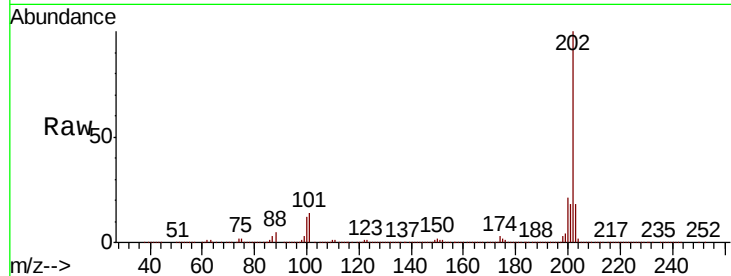
#78
Pvrene
Concen: 30.692 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Instrument :
BNA_F
ClientSampleId :
OR-03-071519-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.7	28.1
203	18.1	15.2	22.8

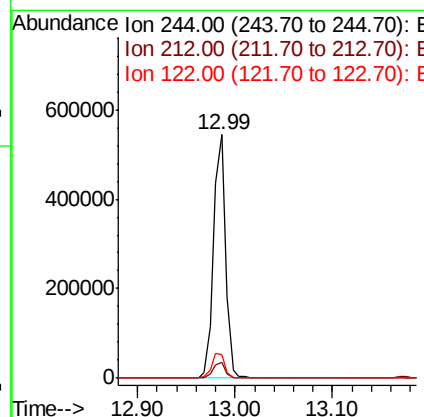
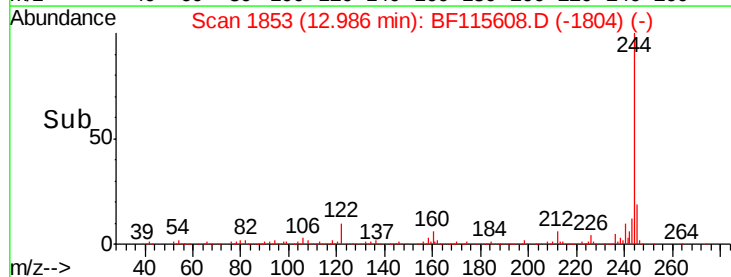
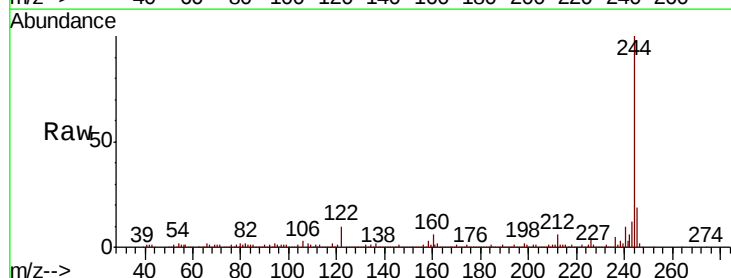
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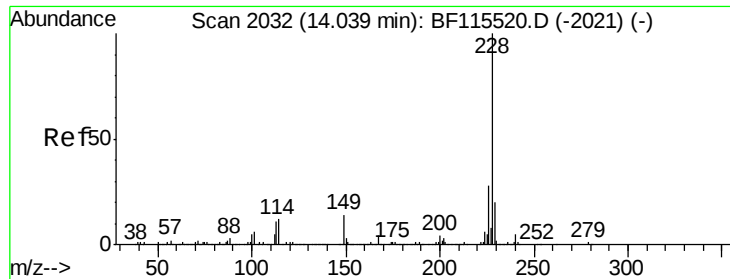
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#79
Terphenyl-d14
Concen: 25.407 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	9.7	8.6	12.8





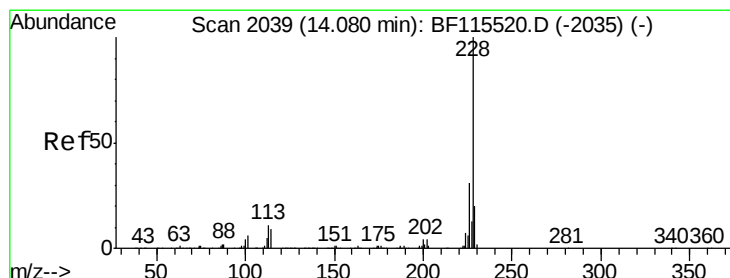
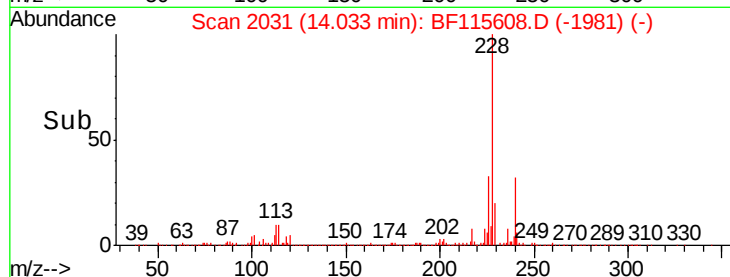
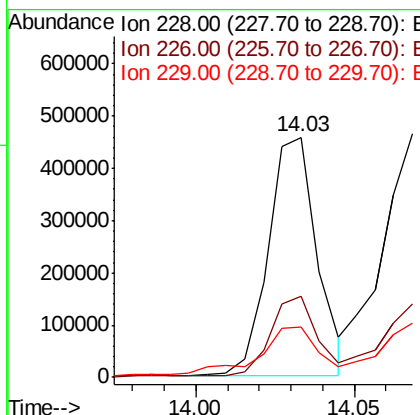
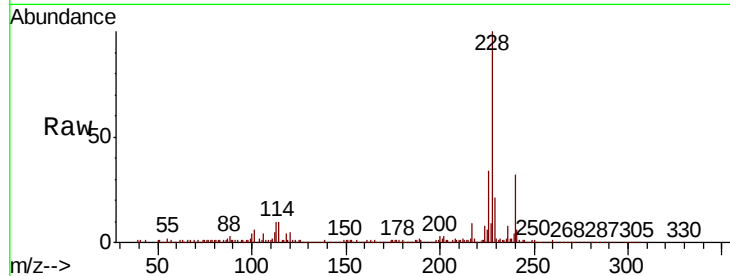
#81
Benzo(a)anthracene
Concen: 21.807 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Instrument :
BNA_F
ClientSampleId :
OR-03-071519-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.6	23.4	35.0
229	21.2	17.2	25.8

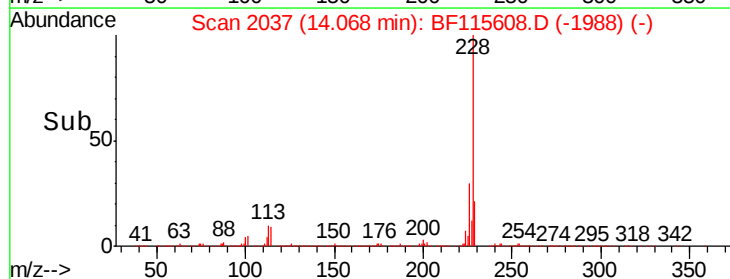
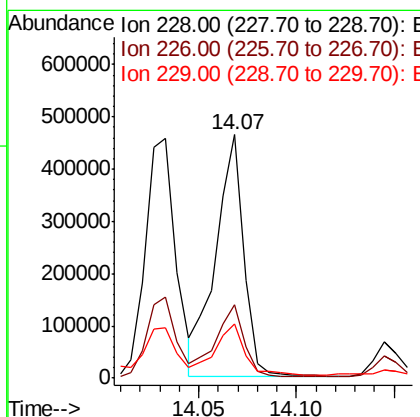
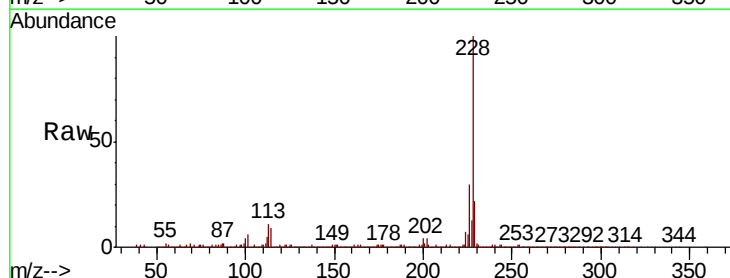
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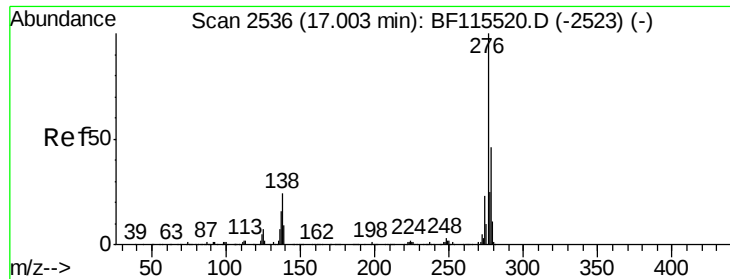
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#83
Chrysene
Concen: 20.770 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.7	38.5
229	22.4	16.6	25.0





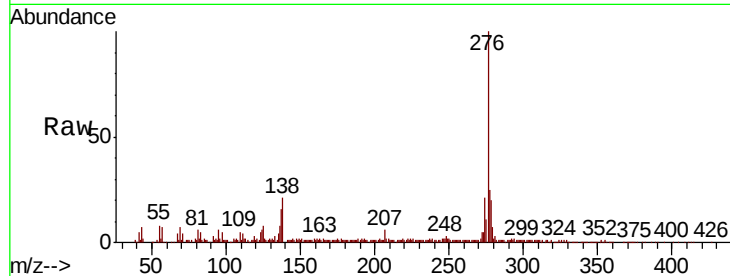
#86
Indeno(1,2,3-cd)pyrene
Concen: 11.153 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.02 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Instrument :
BNA_F
ClientSampleId :
OR-03-071519-A

Tot Ion	Ratio	Resp	Lower	Upper
276	100	212987		
138	20.6		20.2	30.2
277	23.7		20.4	30.6

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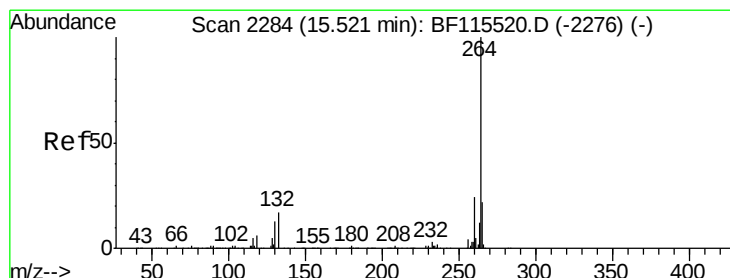
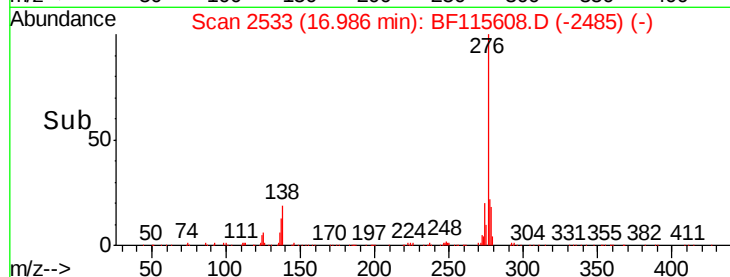
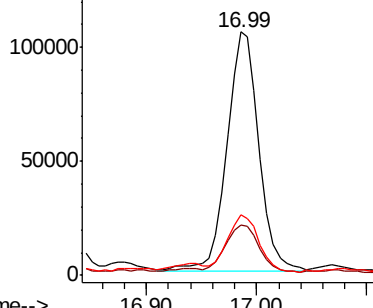


Abundance

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: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

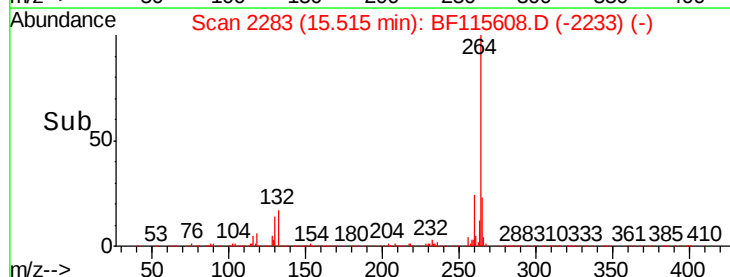
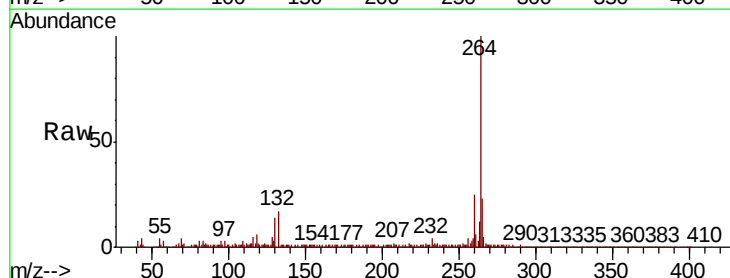
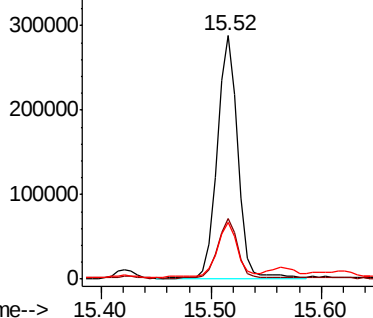
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	373556		
260	25.0		19.8	29.8
265	23.1		17.7	26.5

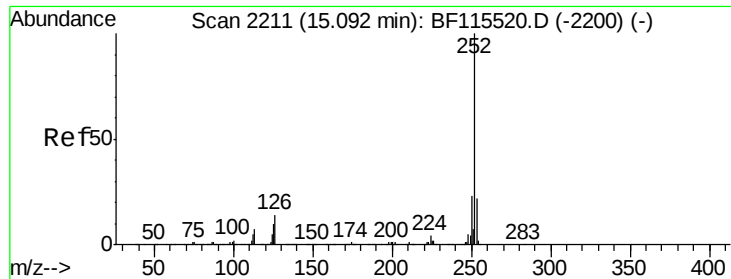
Abundance

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





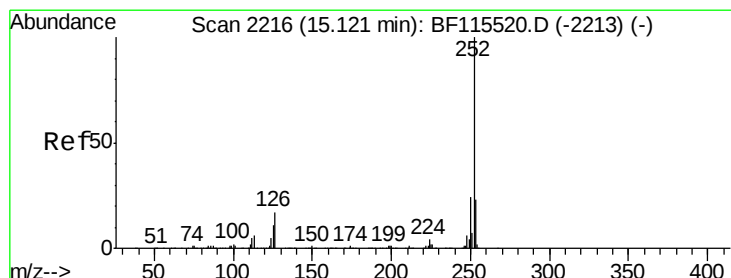
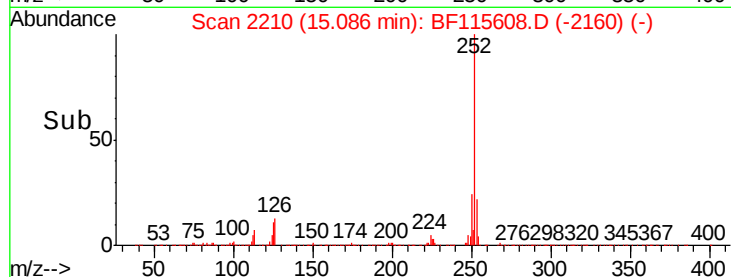
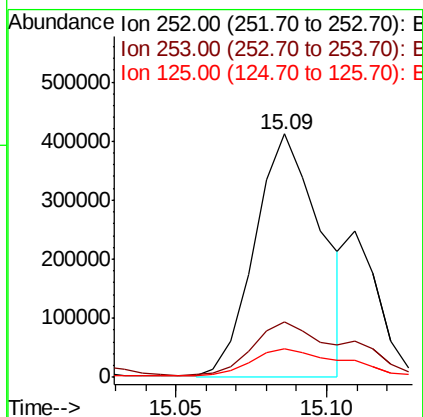
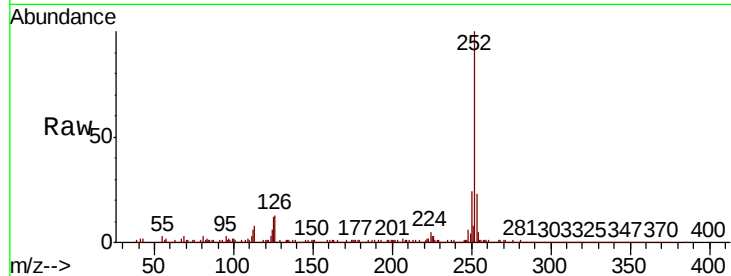
#88
Benzo(b)fluoranthene
Concen: 26.324 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Instrument :
BNA_F
ClientSampleId :
OR-03-071519-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	11.8	9.0	13.4

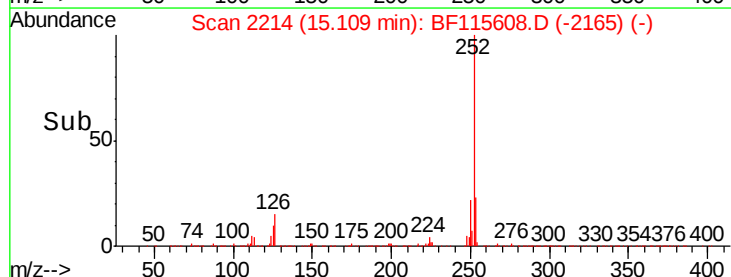
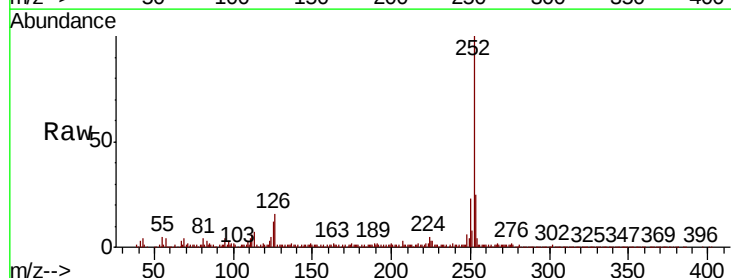
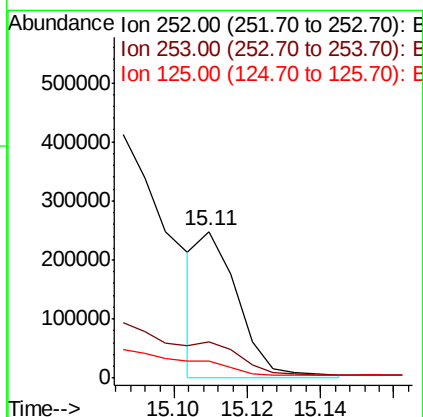
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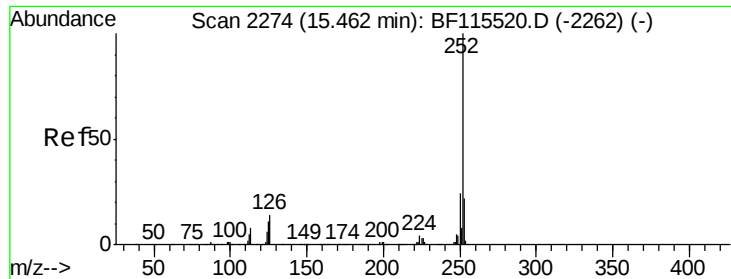
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#89
Benzo(k)fluoranthene
Concen: 8.597 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.6	28.0
125	11.6	9.0	13.6





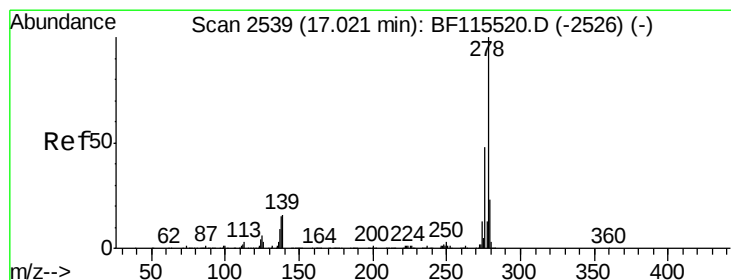
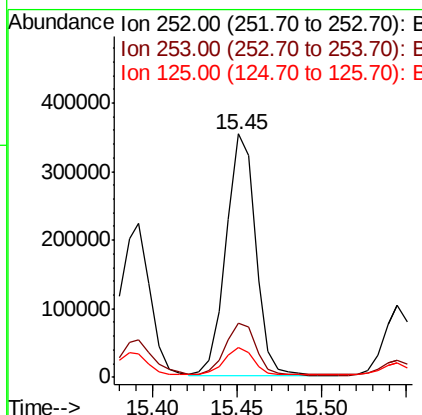
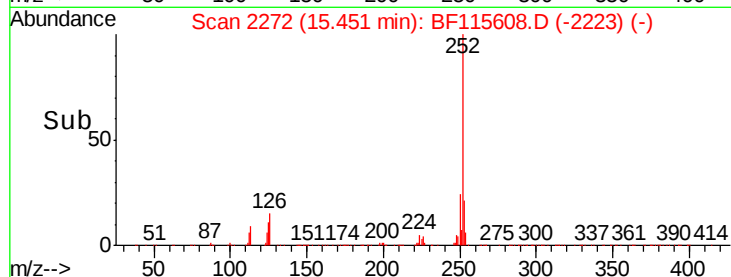
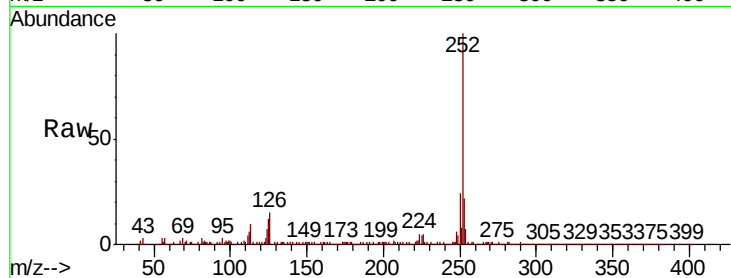
#90
Benzo(a)pyrene
Concen: 20.678 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Instrument :
BNA_F
ClientSampleId :
OR-03-071519-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	12.5	9.1	13.7

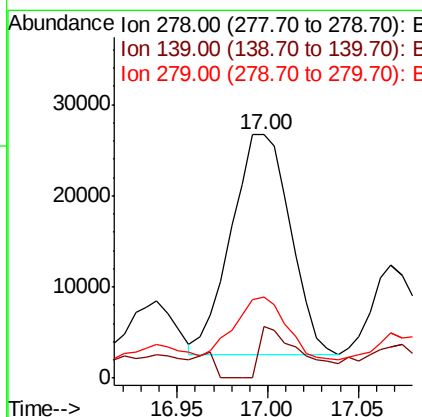
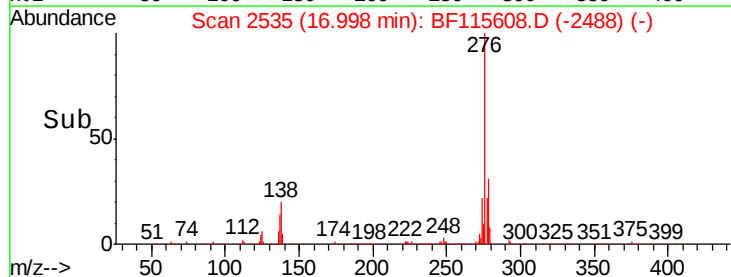
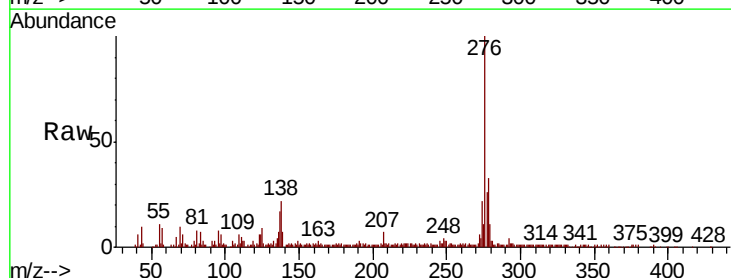
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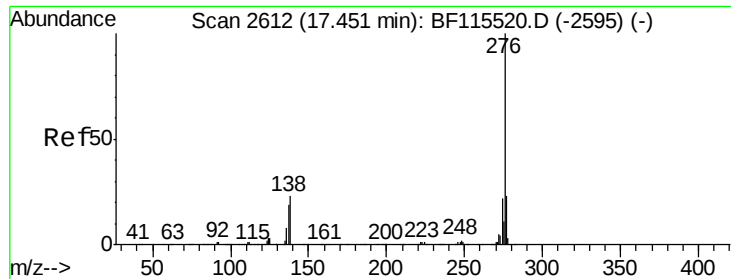
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#91
Dibenzo(a,h)anthracene
Concen: 2.990 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.02 min
Lab File: BF115608.D
Acq: 16 Jul 2019 20:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.4	13.1	19.7#
279	33.2	19.6	29.4#





#92
 Benzo(a,h,i)perylene
 Concen: 10.553 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. -0.02 min
 Lab File: BF115608.D
 Acq: 16 Jul 2019 20:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-071519-A

Tot Ion:	276	Resp:	191025
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.0	28.4
138	22.8	17.2	25.8

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