

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116093.D
 Acq On : 9 Aug 2019 2:58
 Operator : HP/JU
 Sample : K4178-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 370-371

Manual Integrations
 APPROVED

mohammad
 8/14/2019 9:21:46 AM

Quant Time: Aug 09 17:01:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	152785	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	618952	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	320711	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	479001	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	300505	20.00	ng	0.00
87) Perylene-d12	15.47	264	320682	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	391891	42.94	ng	-0.01
7) Phenol-d6	6.47	99	525464	45.63	ng	-0.02
23) Nitrobenzene-d5	7.40	82	331412	30.91	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	120477	38.75	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	637564	37.24	ng	-0.02
79) Terphenyl-d14	12.94	244	530139	37.17	ng	-0.01
Target Compounds						
49) Acenaphthylene	9.73	152	229241	8.338	ng	Qvalue 97
50) Dimethylphthalate	9.59	163	115314	5.281	ng	# 98
71) Phenanthrene	11.38	178	631459	25.787	ng	98
72) Anthracene	11.43	178	255153	10.296	ng	99
75) Fluoranthene	12.58	202	902056	35.187	ng	98
78) Pyrene	12.81	202	1829971	80.785	ng	99
81) Benzo(a)anthracene	14.00	228	721533m	37.566	ng	
83) Chrysene	14.03	228	686302	36.805	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	272103	17.374	ng	95
88) Benzo(b)fluoranthene	15.05	252	559607m	30.180	ng	
89) Benzo(k)fluoranthene	15.07	252	199453m	11.044	ng	
90) Benzo(a)pyrene	15.42	252	583302	35.191	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	82683	5.763	ng	# 85
92) Benzo(g,h,i)perylene	17.39	276	427721	30.355	ng	98

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

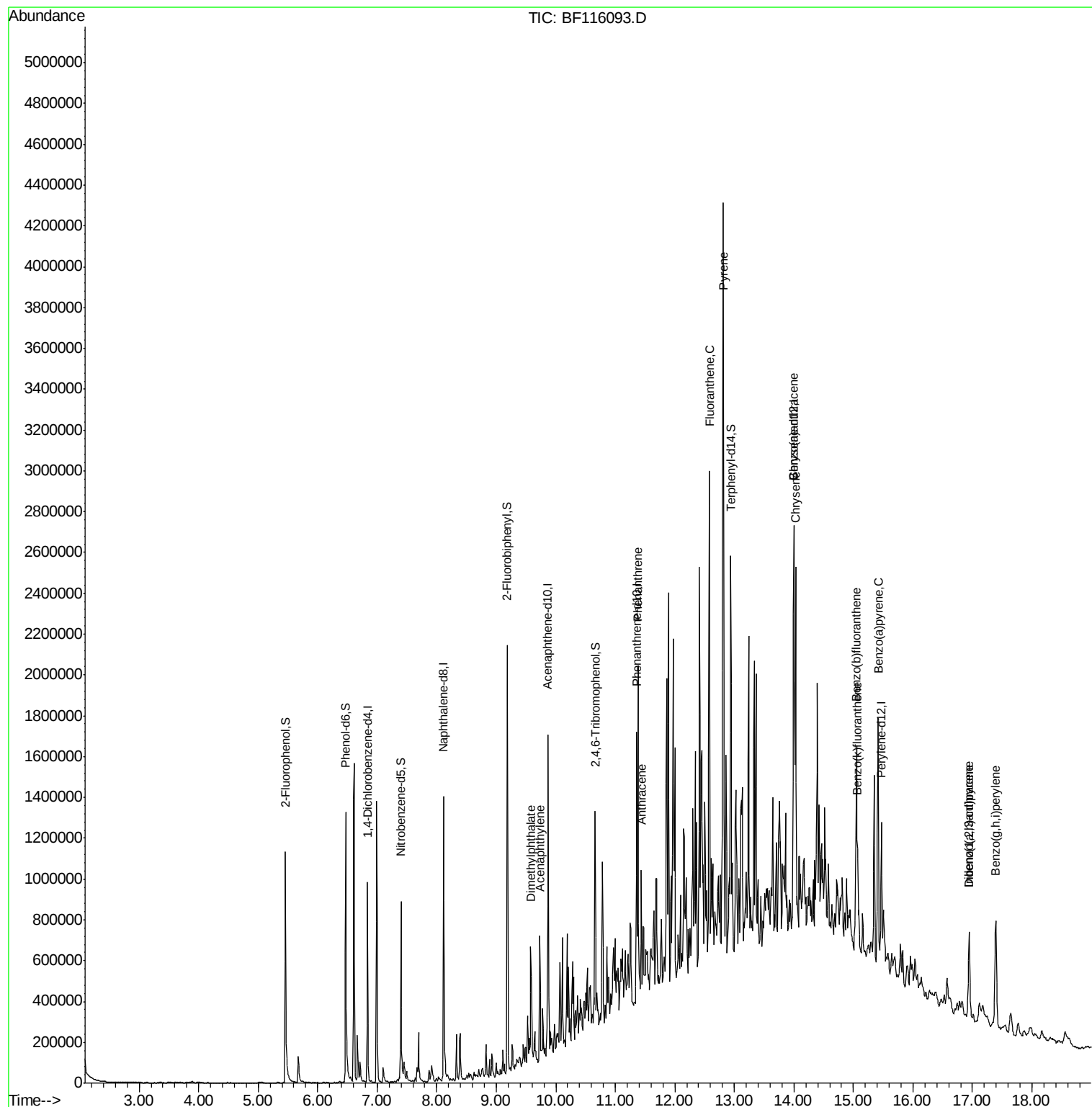
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
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#1

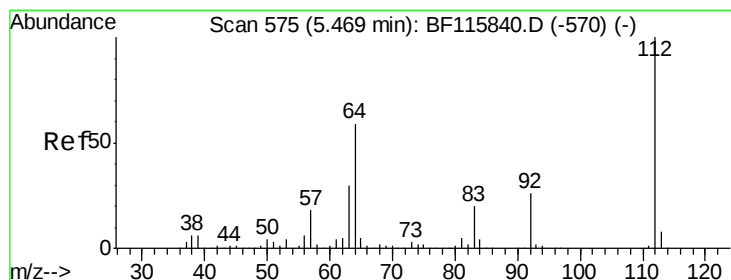
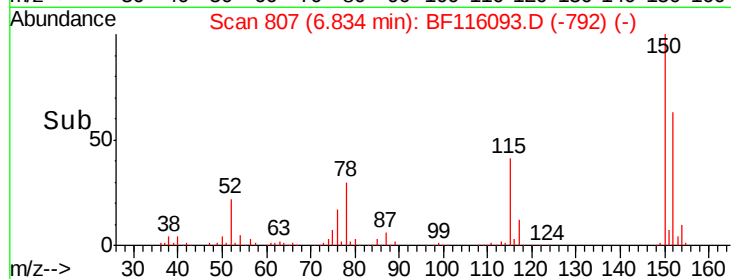
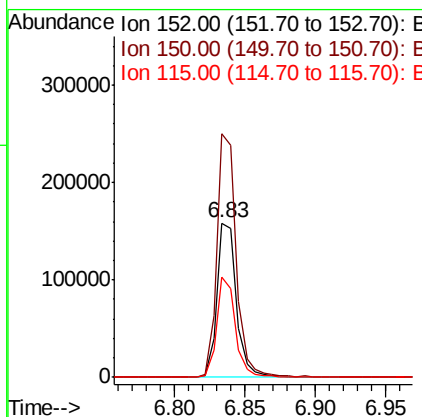
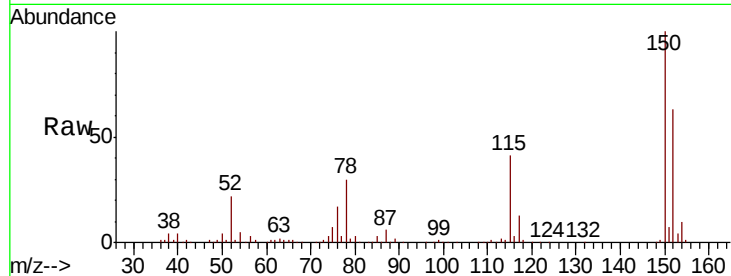
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF116093.D
Acq: 9 Aug 2019 2:58

Instrument :
BNA_F
ClientSampleId :
370-371

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	126.2	189.2
115	64.7	49.9	74.9

Manual Integrations
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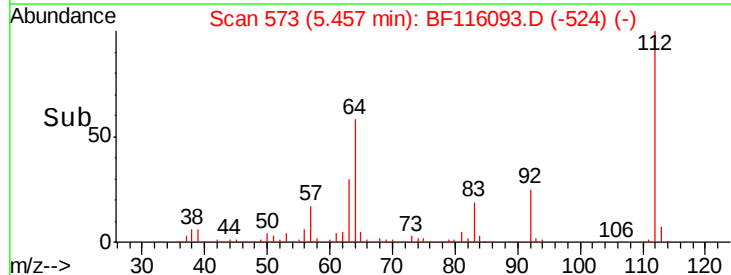
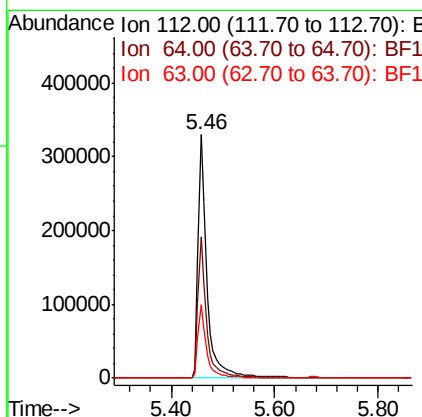
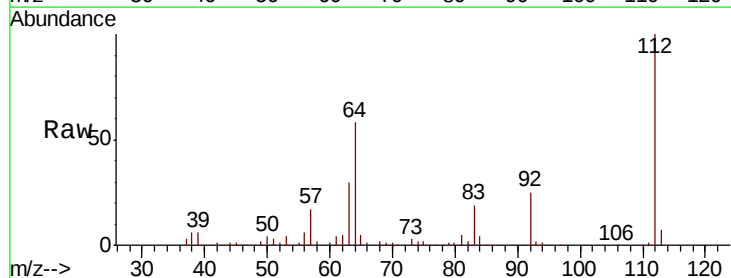
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#5

2-Fluorophenol
Concen: 42.939 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116093.D
Acq: 9 Aug 2019 2:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	45.4	68.2
63	30.4	23.7	35.5





#7

Phenol-d6

Concen: 45.634 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116093.D

Acq: 9 Aug 2019 2:58

Instrument :

BNA_F

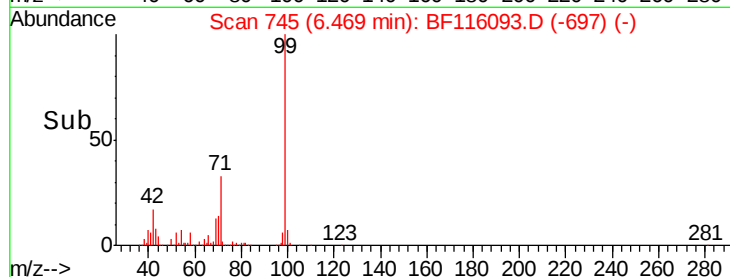
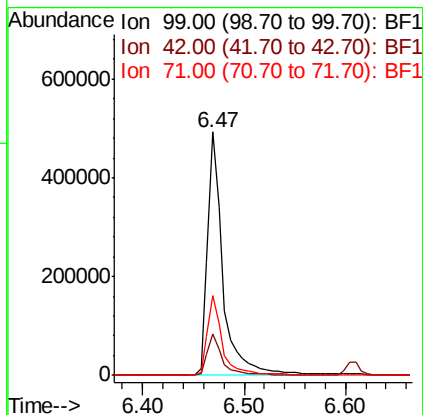
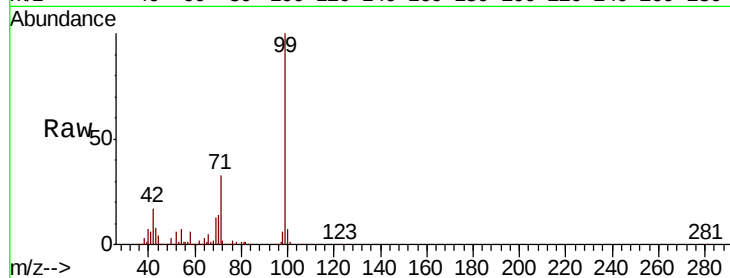
ClientSampleId :

370-371

Tot Ion:	99	Resp:	525464
Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.8	20.8
71	32.9	27.3	40.9

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

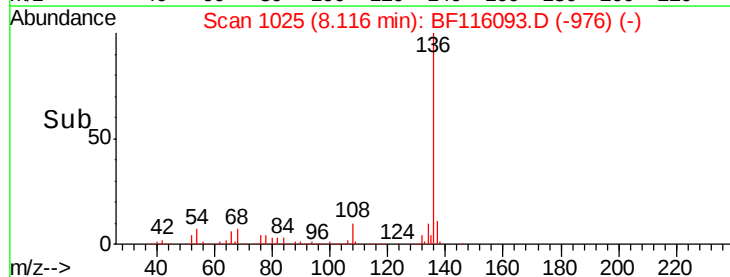
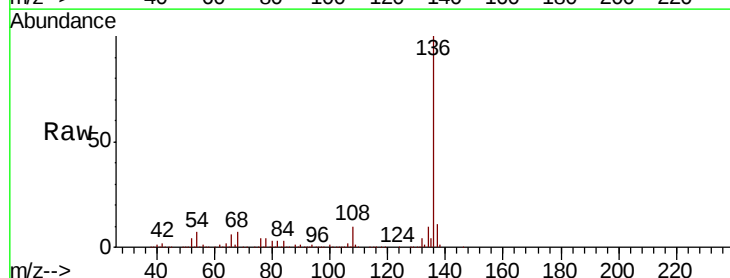
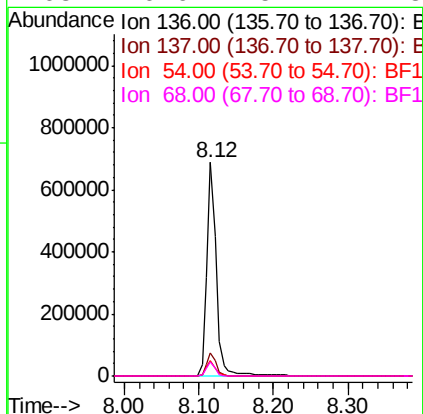
RT: 8.12 min Scan# 1025

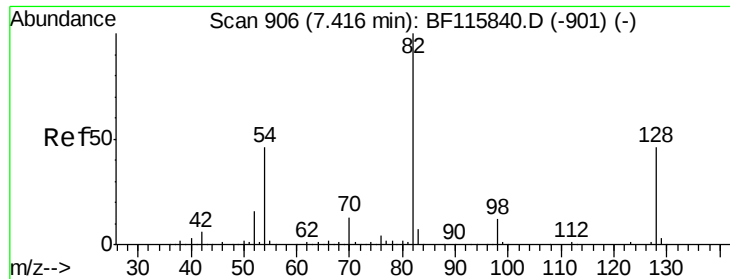
Delta R.T. -0.01 min

Lab File: BF116093.D

Acq: 9 Aug 2019 2:58

Tgt Ion:	136	Resp:	618952
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.1	5.8	8.6
68	6.6	5.2	7.8





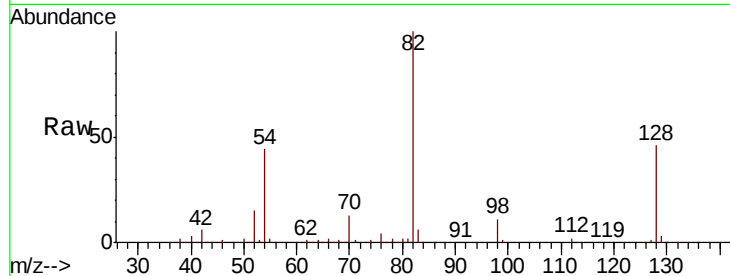
#23
 Nitrobenzene-d5
 Concen: 30.907 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF116093.D
 Acq: 9 Aug 2019 2:58

Instrument :
 BNA_F
 ClientSampled :
 370-371

Tot Ion	Ratio	Resp	Lower	Upper
82	100	331412		
128	46.1	36.5	54.7	
54	43.7	36.0	54.0	

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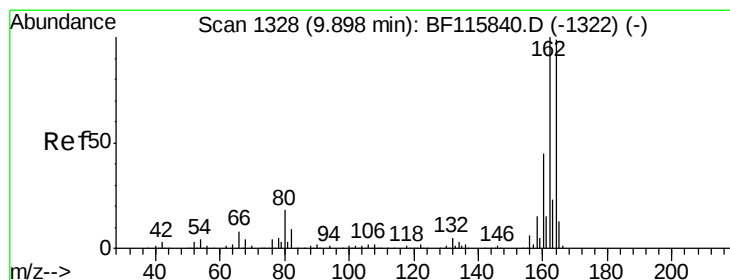
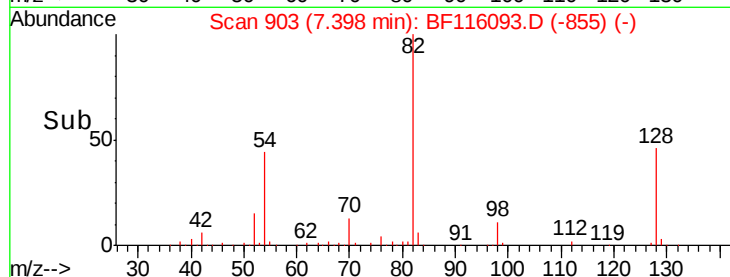
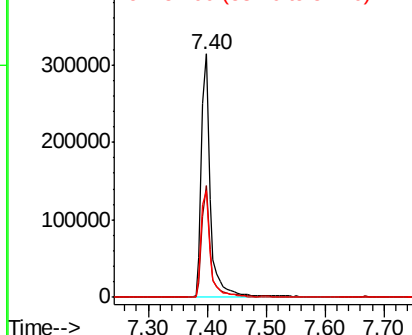


Abundance

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: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF116093.D
 Acq: 9 Aug 2019 2:58

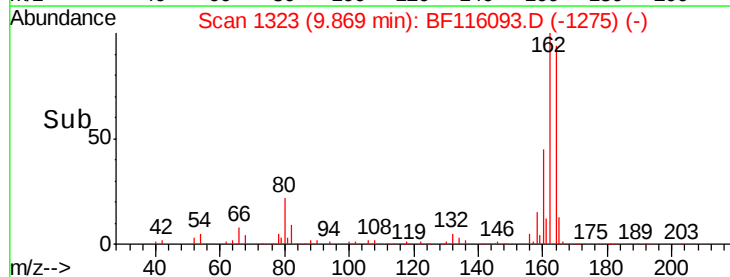
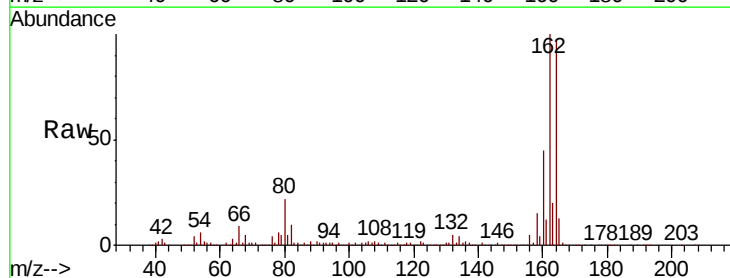
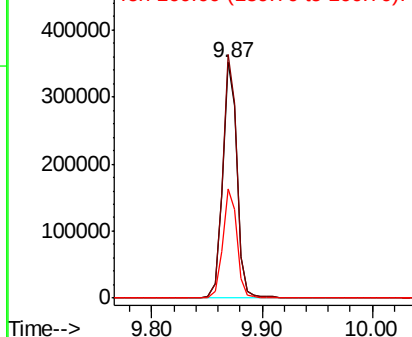
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	320711		
162	103.4	82.6	124.0	
160	46.5	37.6	56.4	

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





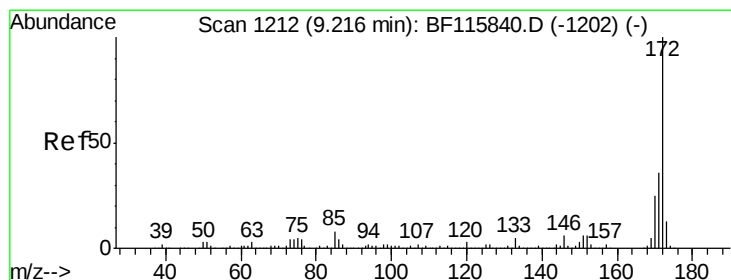
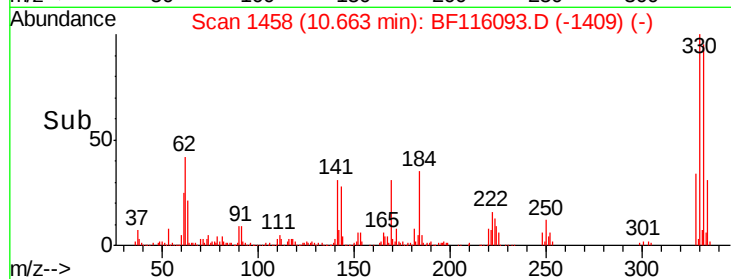
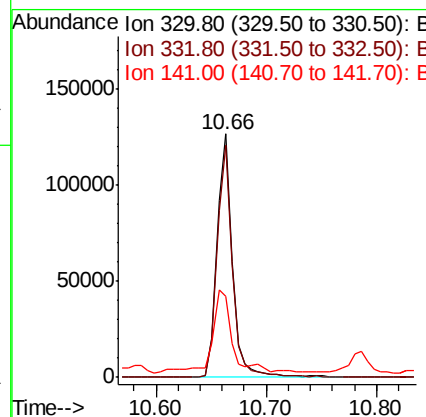
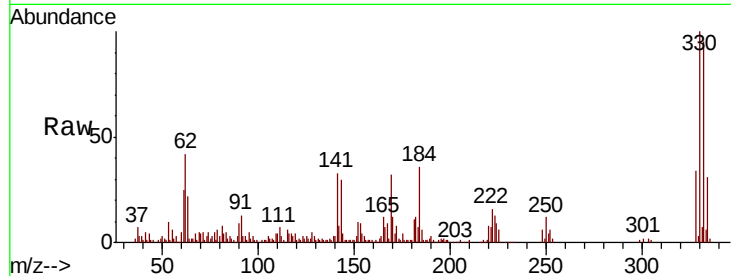
#42
 2,4,6-Tribromophenol
 Concen: 38.746 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116093.D
 Acq: 9 Aug 2019 2:58

Instrument :
 BNA_F
 ClientSampleId :
 370-371

Tot Ion	Ratio	Resp	Lower	Upper
330	100	120477		
332	95.0	76.8	115.2	
141	46.2	26.3	39.5#	

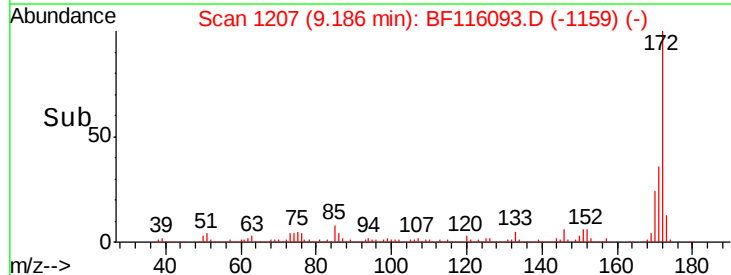
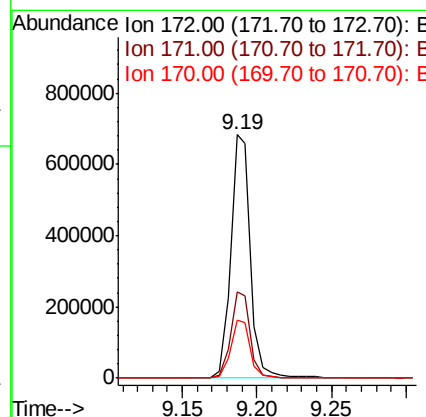
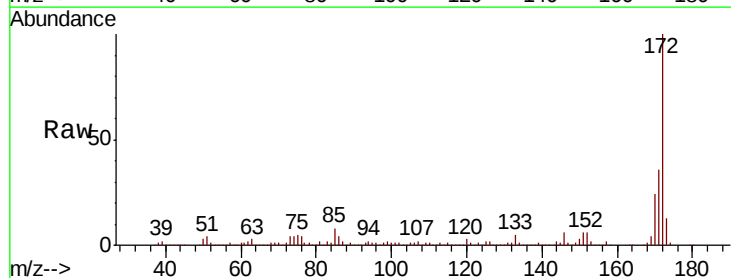
Manual Integrations
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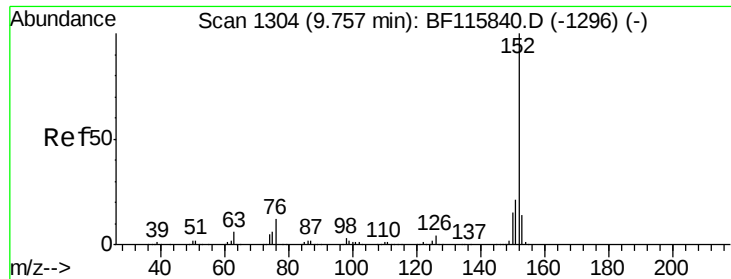
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#45
 2-Fluorobiphenyl
 Concen: 37.236 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF116093.D
 Acq: 9 Aug 2019 2:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	637564		
171	35.6	29.6	44.4	
170	24.1	20.1	30.1	





#49

Acenaphthylene

Concen: 8.338 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF116093.D

Acq: 9 Aug 2019 2:58

Instrument :

BNA_F

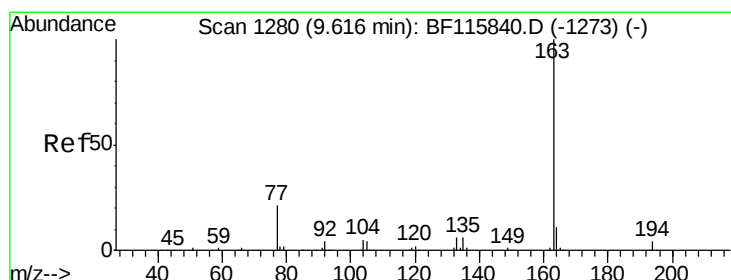
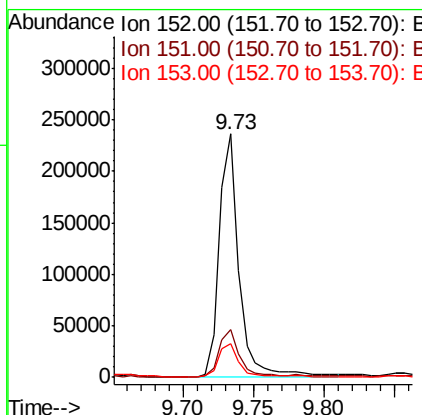
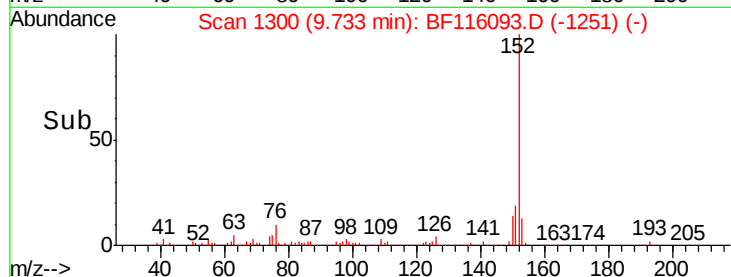
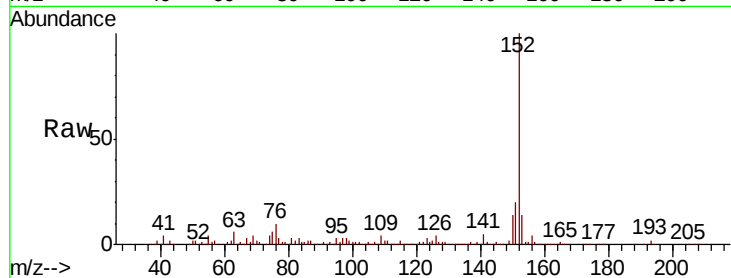
ClientSampleId :

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Tot Ion:	152	Resp:	229241
Ion Ratio	Lower	Upper	
152	100		
151	19.6	17.2	25.8
153	13.8	11.8	17.8

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#50

Dimethylphthalate

Concen: 5.281 ng

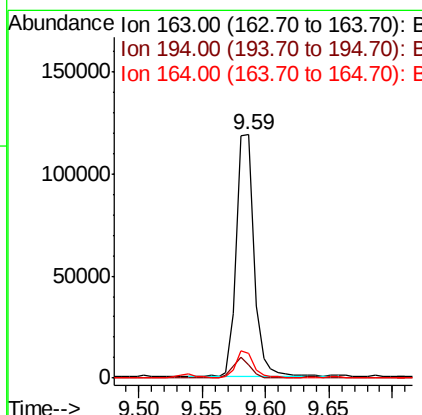
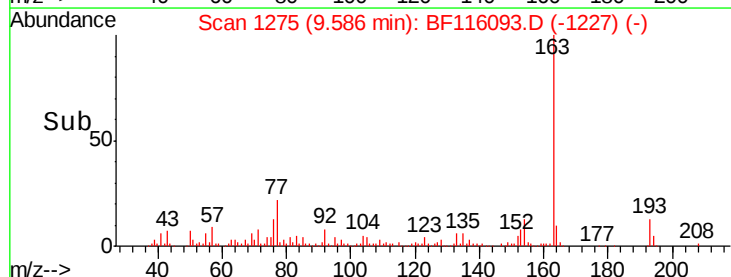
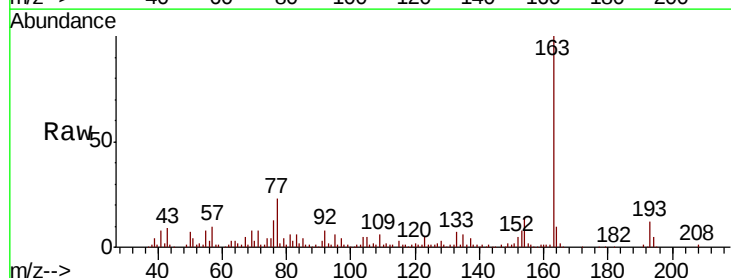
RT: 9.59 min Scan# 1275

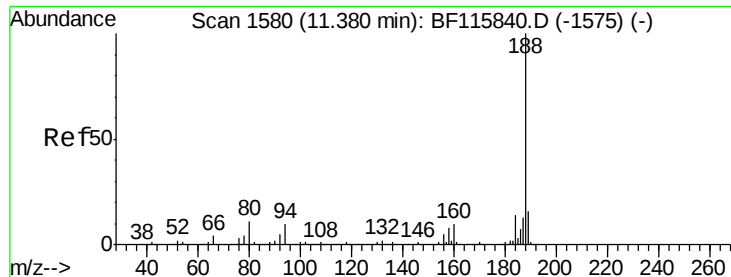
Delta R.T. -0.02 min

Lab File: BF116093.D

Acq: 9 Aug 2019 2:58

Tgt Ion:	163	Resp:	115314
Ion Ratio	Lower	Upper	
163	100		
194	5.4	3.0	4.6#
164	10.0	8.4	12.6





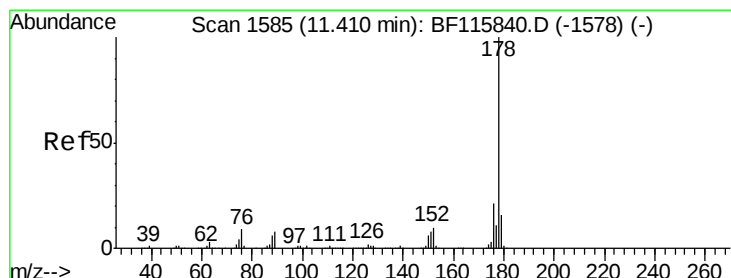
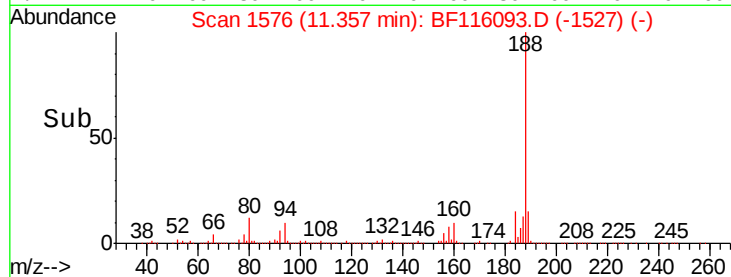
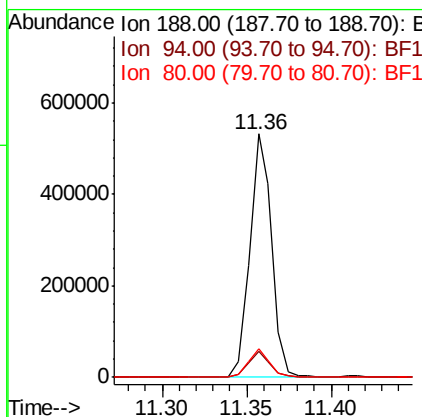
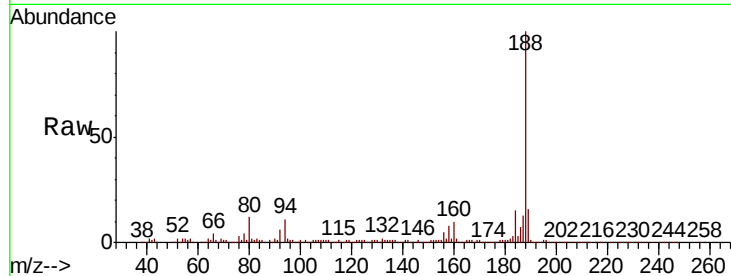
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116093.D
Acq: 9 Aug 2019 2:58

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:188	Resp:	479001
Ion Ratio	Lower	Upper
188 100		
94 10.5	8.1	12.1
80 11.7	8.7	13.1

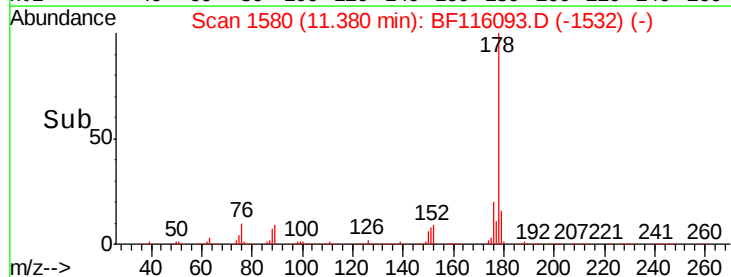
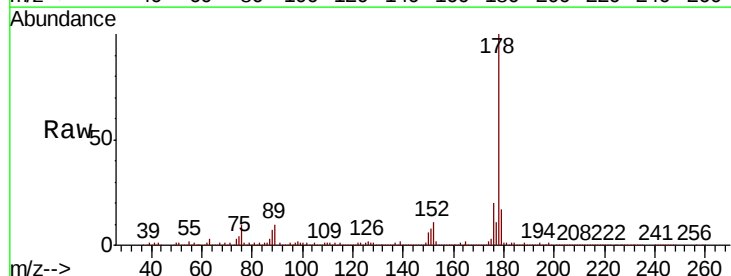
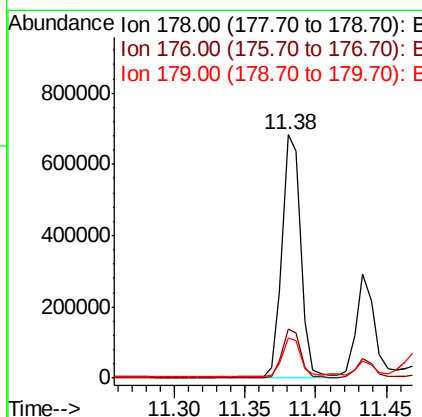
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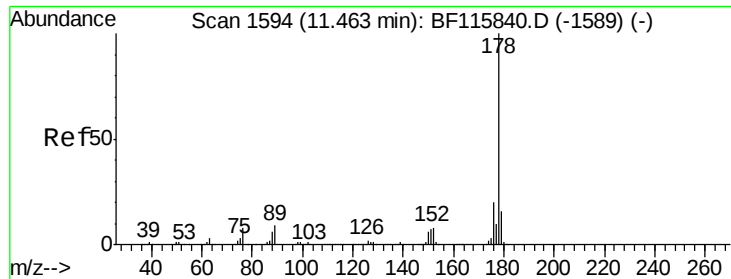
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#71
Phenanthrene
Concen: 25.787 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF116093.D
Acq: 9 Aug 2019 2:58

Tgt Ion:178	Resp:	631459
Ion Ratio	Lower	Upper
178 100		
176 20.1	16.6	24.8
179 16.5	12.5	18.7





#72

Anthracene

Concen: 10.296 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF116093.D

Acq: 9 Aug 2019 2:58

Instrument :

BNA_F

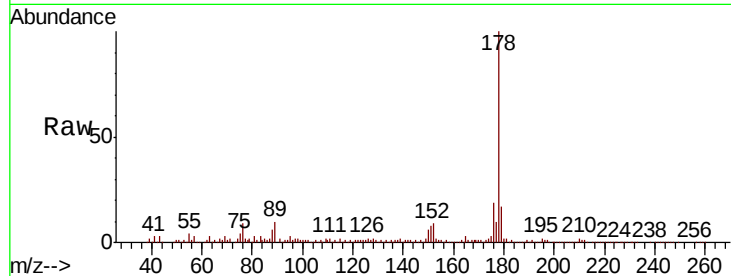
ClientSampleId :

370-371

Tot Ion:	178	Resp:	255153
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.7	23.5
179	16.7	13.0	19.6

Manual Integrations
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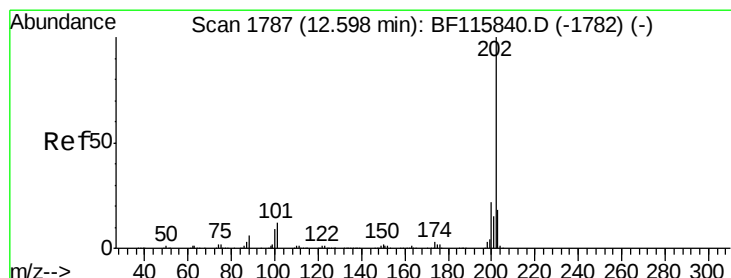
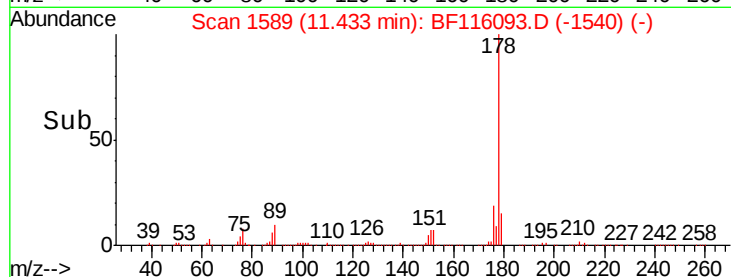
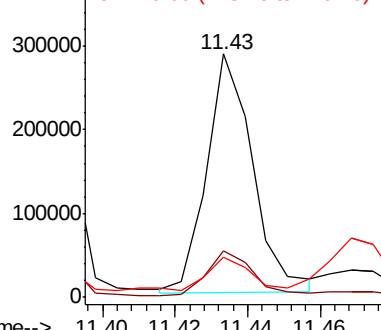


Abundance

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



#75

Fluoranthene

Concen: 35.187 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF116093.D

Acq: 9 Aug 2019 2:58

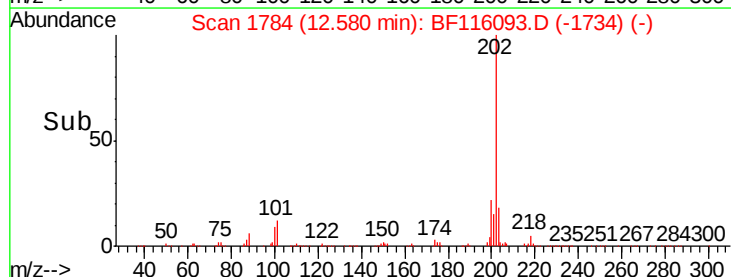
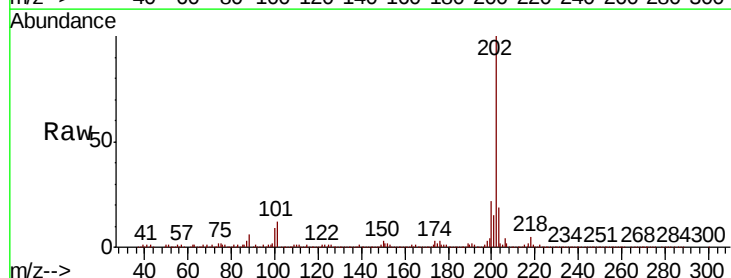
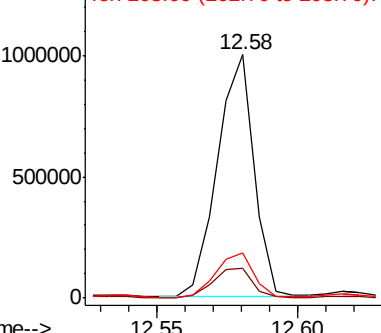
Tgt Ion:	202	Resp:	902056
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	31.2
203	18.6	0.0	37.8

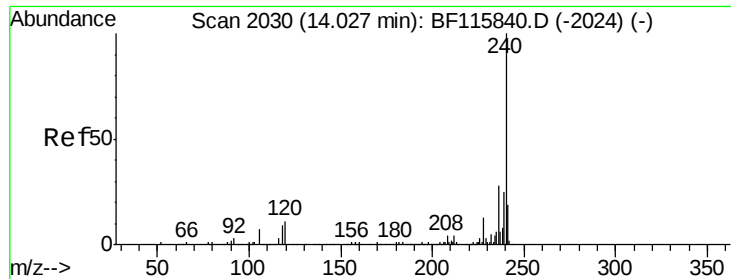
Abundance

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: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116093.D

Acq: 9 Aug 2019 2:58

Instrument :

BNA_F

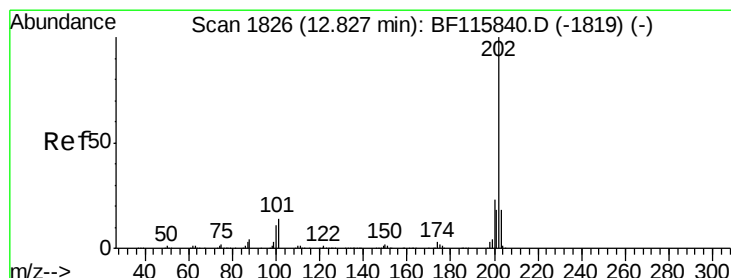
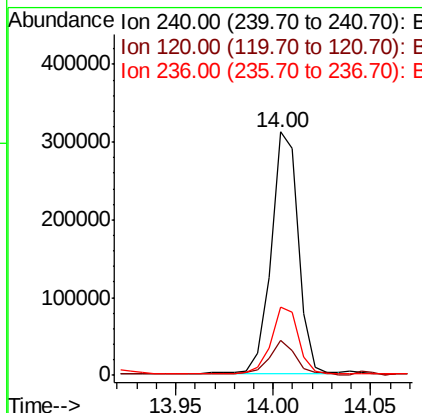
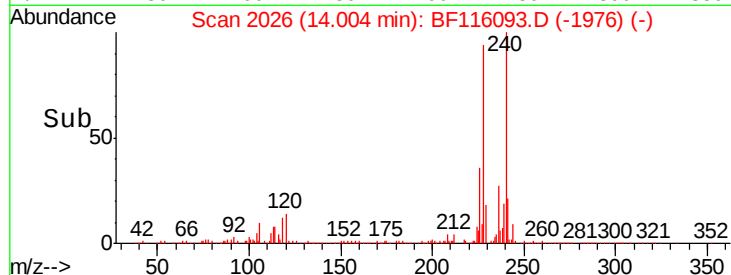
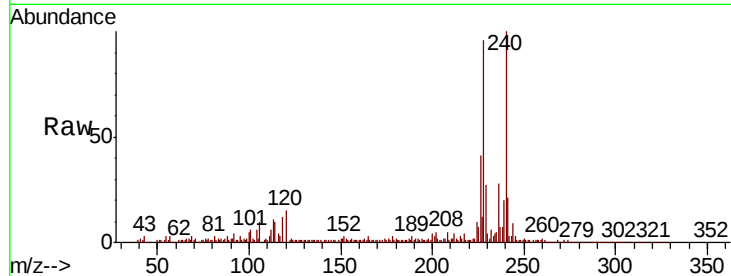
ClientSampleId :

370-371

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.5	10.7	16.1
236	28.1	22.2	33.2

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#78

Pyrene

Concen: 80.785 ng

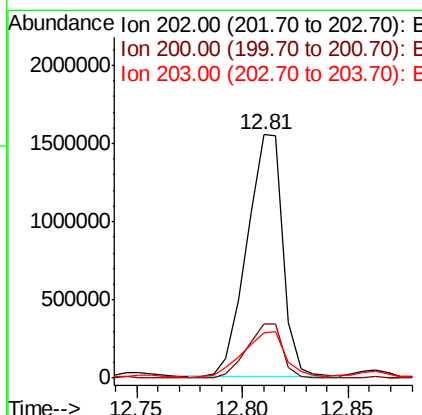
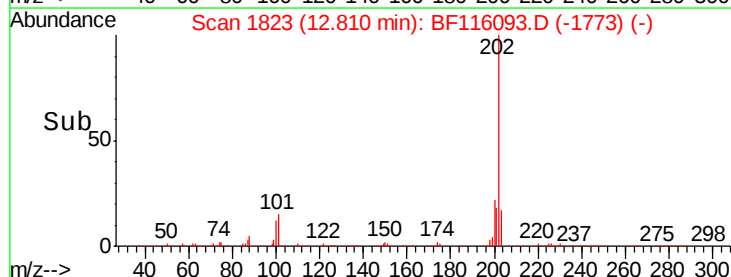
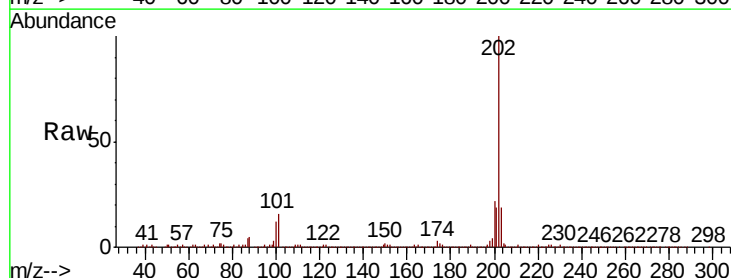
RT: 12.81 min Scan# 1823

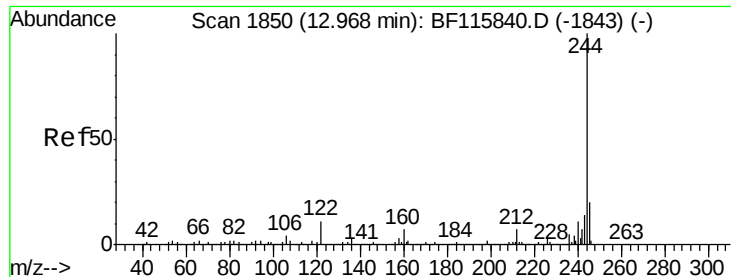
Delta R.T. -0.01 min

Lab File: BF116093.D

Acq: 9 Aug 2019 2:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	18.0	27.0
203	18.7	14.1	21.1





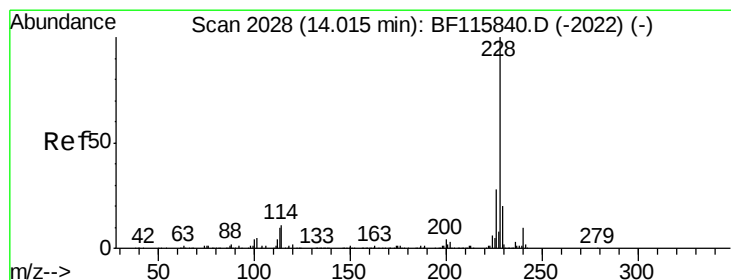
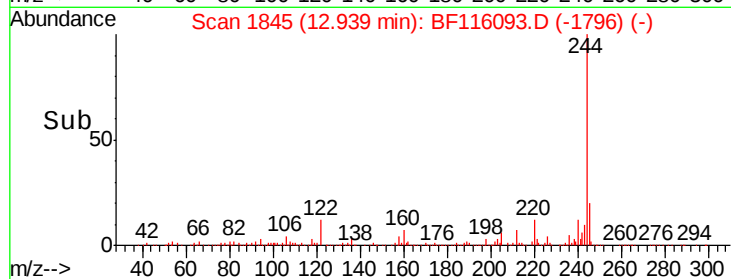
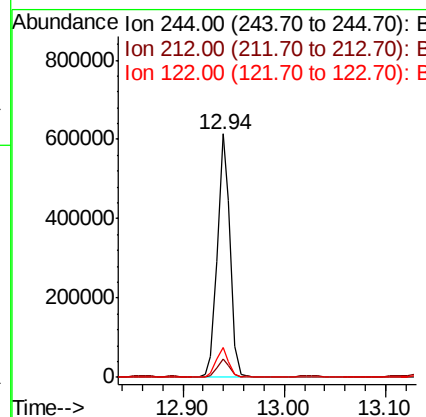
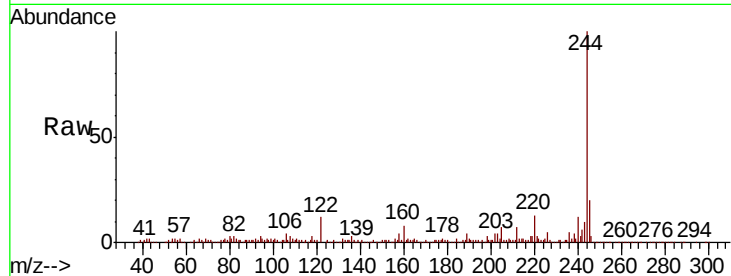
#79
 Terphenyl-d14
 Concen: 37.174 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116093.D
 Acq: 9 Aug 2019 2:58

Instrument :
 BNA_F
 ClientSampleId :
 370-371

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	12.4	9.0	13.4

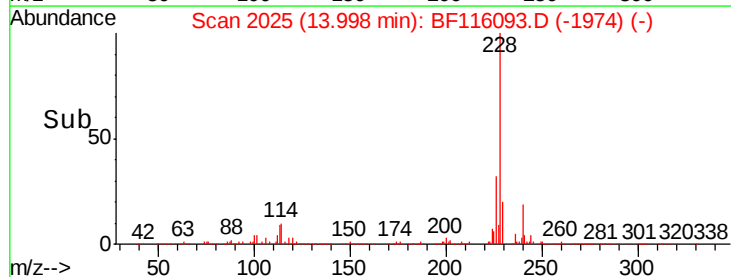
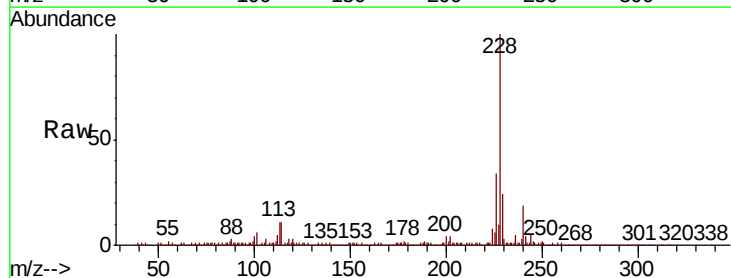
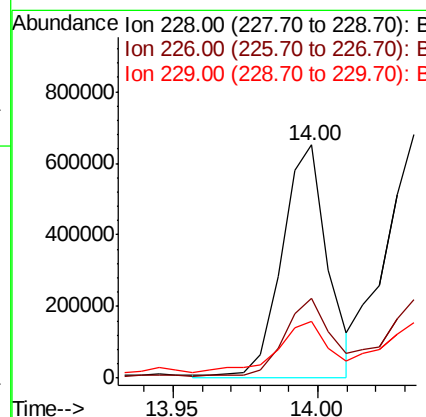
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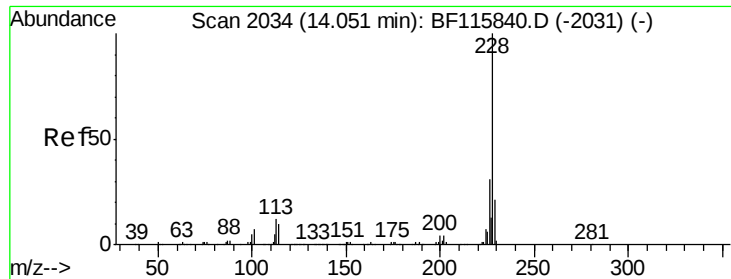
mohammad
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#81
 Benzo(a)anthracene
 Concen: 37.566 ng m
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BF116093.D
 Acq: 9 Aug 2019 2:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.1	22.7	34.1#
229	24.3	16.2	24.4





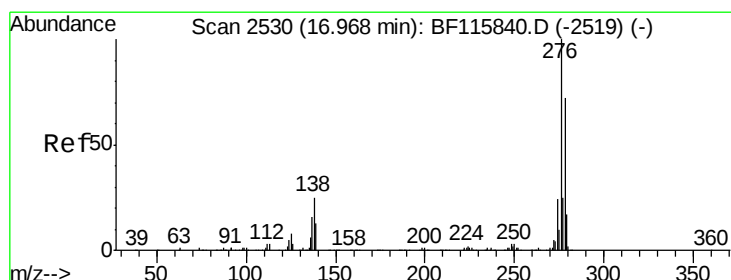
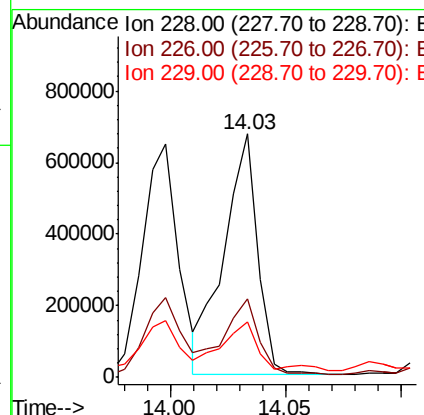
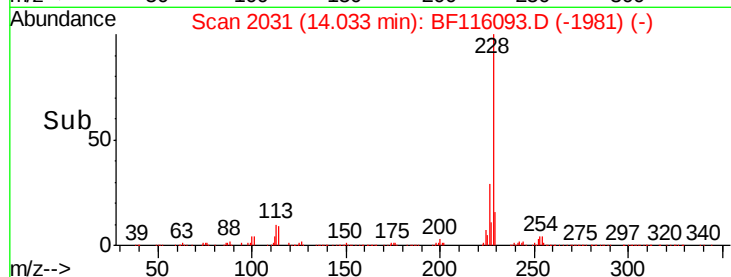
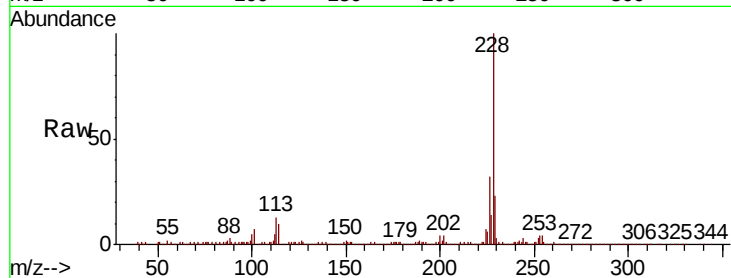
#83
Chrysene
Concen: 36.805 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF116093.D
Acq: 9 Aug 2019 2:58

Instrument :
BNA_F
ClientSampleId :
370-371

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		686302		
226	32.3	25.5	38.3		
229	22.8	16.6	24.8		

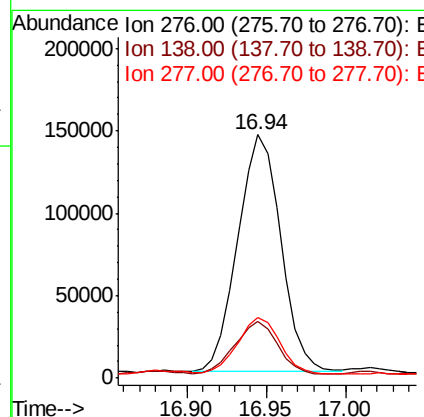
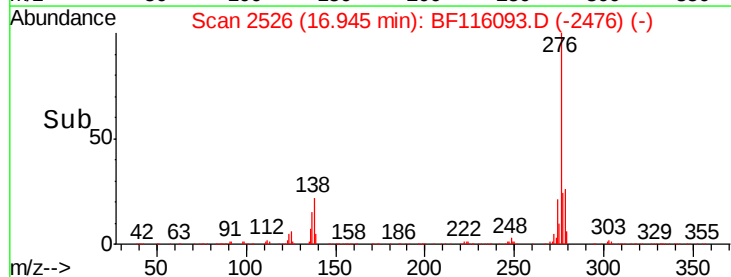
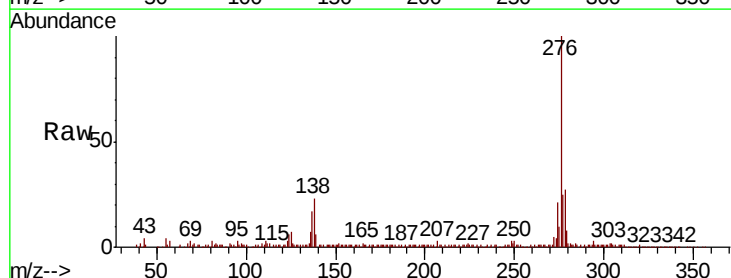
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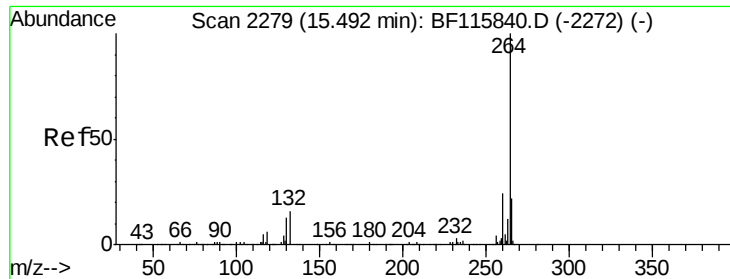
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 17.374 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116093.D
Acq: 9 Aug 2019 2:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100		272103		
138	21.7	20.4	30.6		
277	23.8	20.0	30.0		





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF116093.D

Acq: 9 Aug 2019 2:58

Instrument :

BNA_F

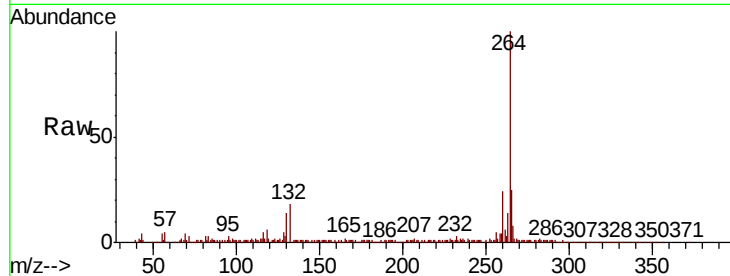
ClientSampleId :

370-371

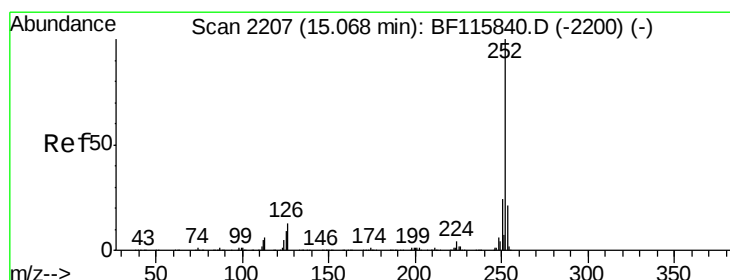
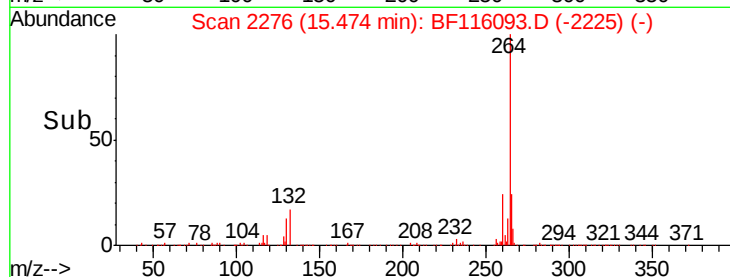
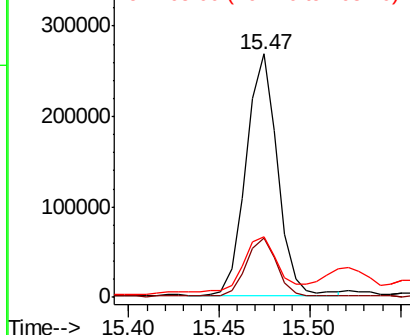
Tot Ion:	264	Resp:	320682
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.7	29.5
265	24.7	17.4	26.0

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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: 30.180 ng m

RT: 15.05 min Scan# 2204

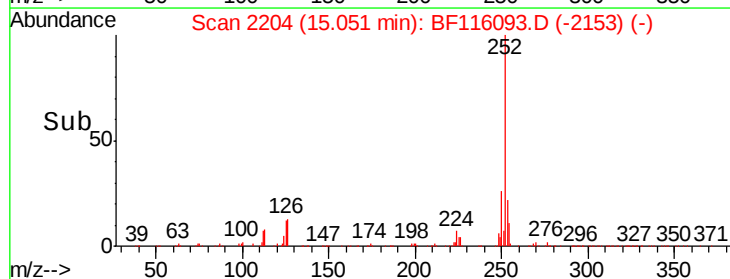
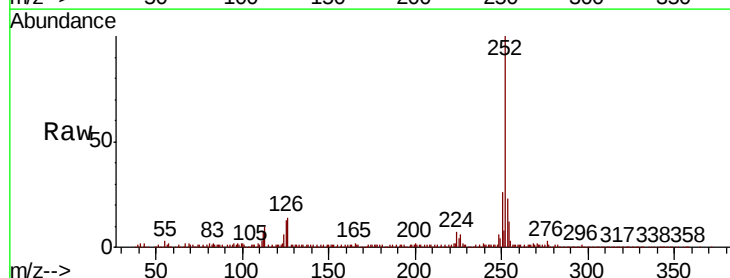
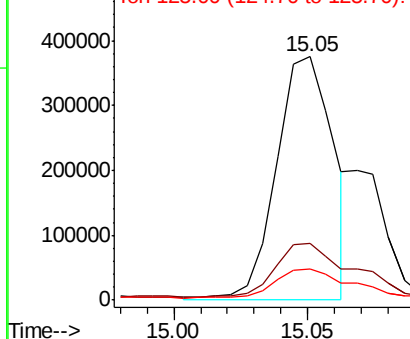
Delta R.T. 0.00 min

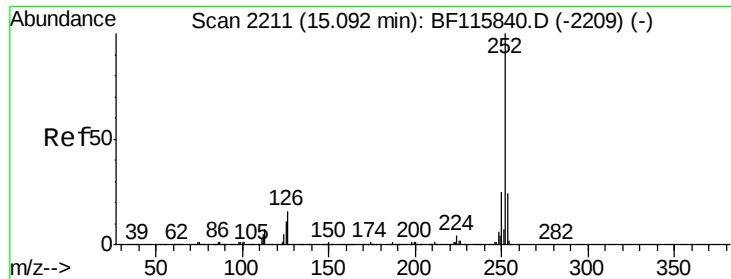
Lab File: BF116093.D

Acq: 9 Aug 2019 2:58

Tgt Ion:	252	Resp:	559607
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.8
125	12.7	8.4	12.6#

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





#89

Benzo(k)fluoranthene

Concen: 11.044 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BF116093.D

Acq: 9 Aug 2019 2:58

Instrument :

BNA_F

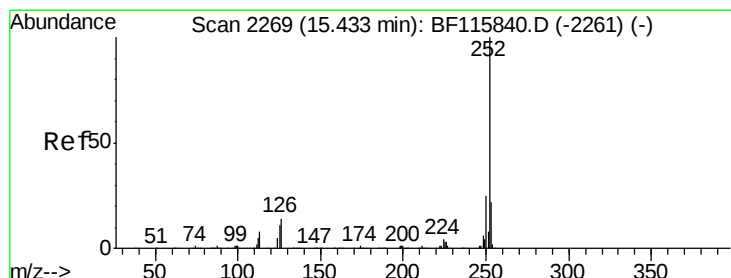
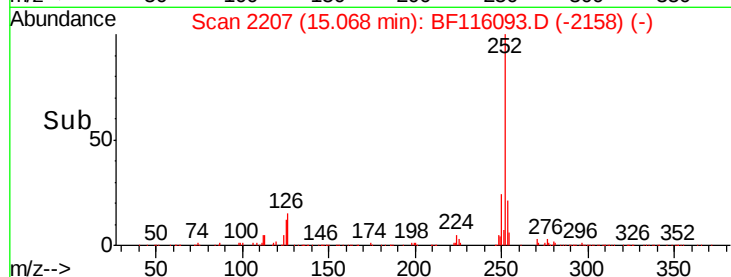
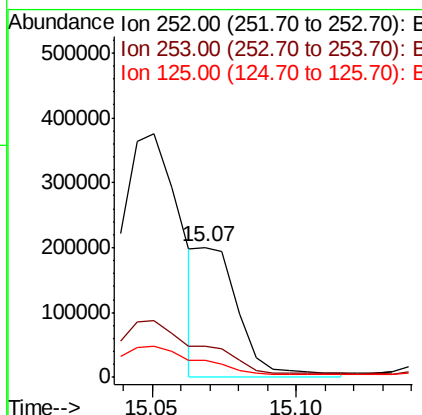
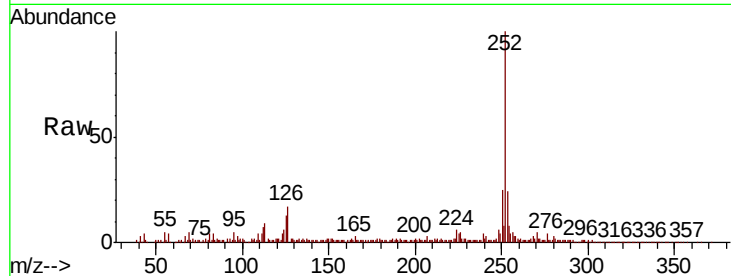
ClientSampled :

370-371

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	13.5	7.7	11.5

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#90

Benzo(a)pyrene

Concen: 35.191 ng

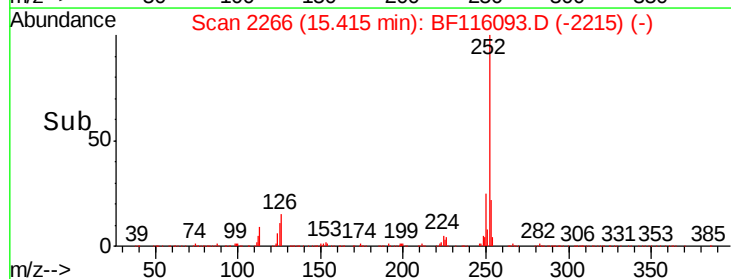
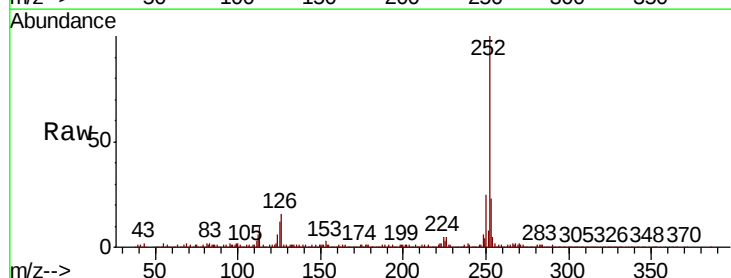
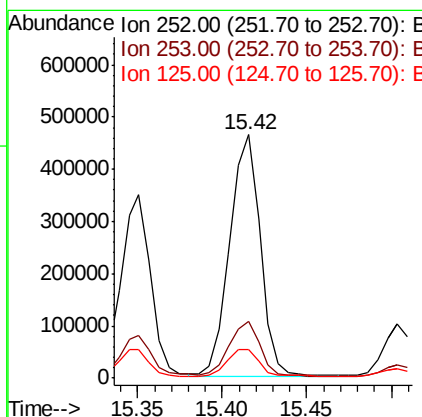
RT: 15.42 min Scan# 2266

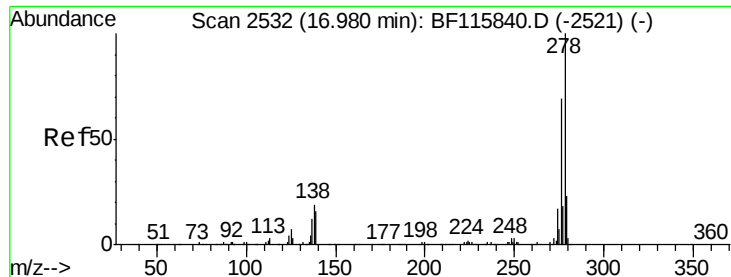
Delta R.T. 0.00 min

Lab File: BF116093.D

Acq: 9 Aug 2019 2:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.0	8.9	13.3





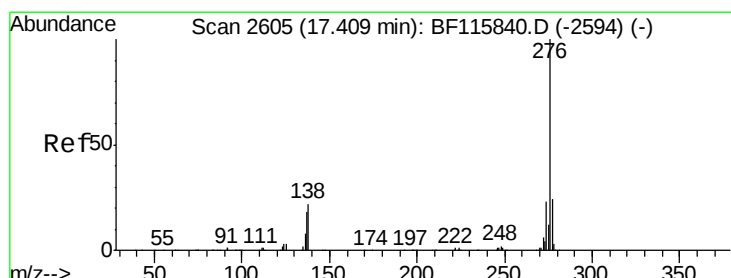
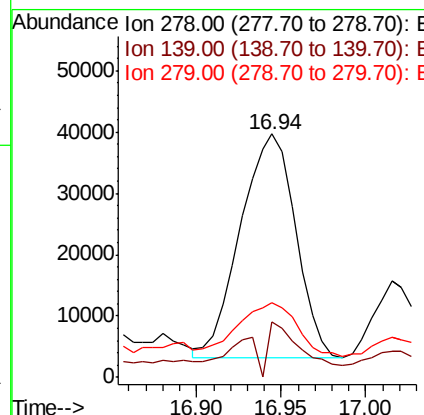
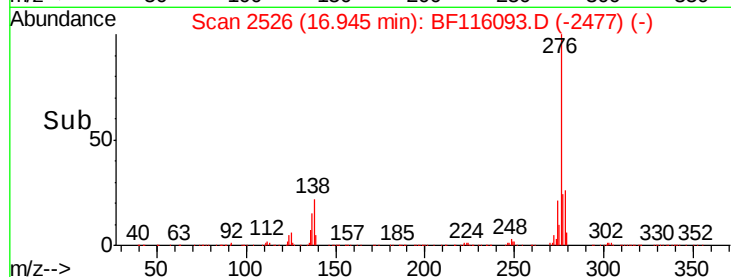
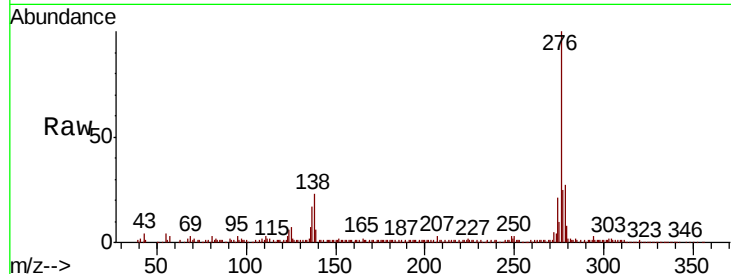
#91
Dibenzo(a,h)anthracene
Concen: 5.763 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116093.D
Acq: 9 Aug 2019 2:58

Instrument :
BNA_F
ClientSampled :
370-371

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.8	12.8	19.2#
279	30.5	18.8	28.2#

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#92
Benzo(g,h,i)perylene
Concen: 30.355 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.01 min
Lab File: BF116093.D
Acq: 9 Aug 2019 2:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.4	27.6
138	22.3	17.0	25.6

