

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090819\
 Data File : BF116893.D
 Acq On : 9 Sep 2019 2:50
 Operator : HP/JU
 Sample : K4757-03 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-4-8

Manual Integrations
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mohammad
 9/12/2019 9:26:39 AM

Quant Time: Sep 09 04:00:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	78058	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	327807	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	169188	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	266711	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	156150	20.00	ng	0.00
87) Perylene-d12	15.45	264	174133	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	219742	45.61	ng	0.00
7) Phenol-d6	6.47	99	315523	49.87	ng	0.00
23) Nitrobenzene-d5	7.40	82	187279	32.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	67128	59.35	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	347161	34.61	ng	-0.02
79) Terphenyl-d14	12.93	244	289922	34.35	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.59	163	43195	3.698	ng	98
71) Phenanthrene	11.38	178	58426	3.935	ng	100
75) Fluoranthene	12.57	202	129134	8.850	ng	99
78) Pyrene	12.80	202	131872	9.500	ng	98
81) Benzo(a)anthracene	13.98	228	59991	6.070	ng	96
83) Chrysene	14.02	228	53507	5.255	ng	96
86) Indeno(1,2,3-cd)pyrene	16.90	276	30683	3.752	ng	93
88) Benzo(b)fluoranthene	15.02	252	74642m	7.090	ng	
90) Benzo(a)pyrene	15.39	252	52424	5.724	ng	99
92) Benzo(g,h,i)perylene	17.33	276	28441	3.478	ng	97

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

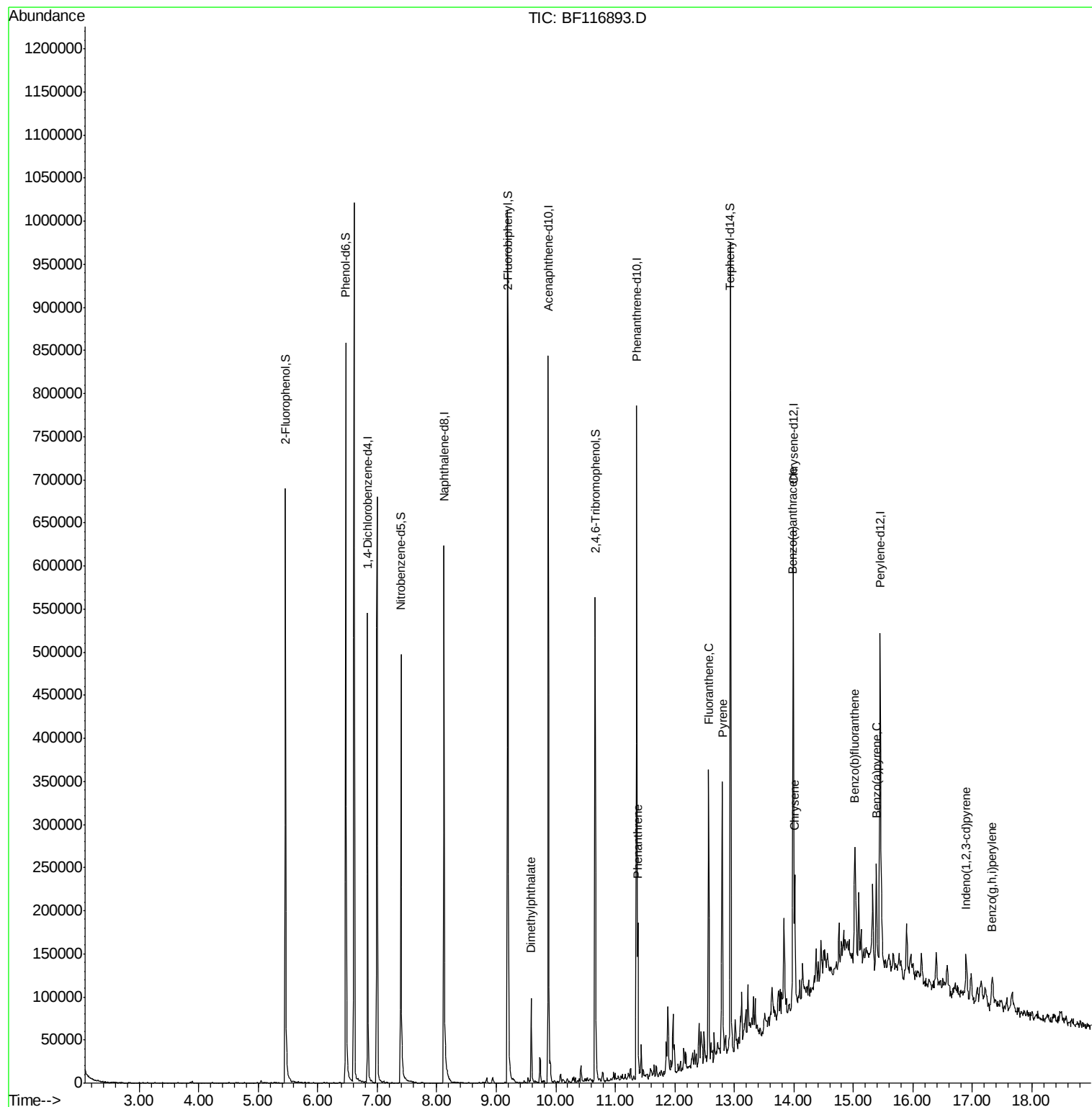
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090819\
Data File : BF116893.D
Acq On : 9 Sep 2019 2:50
Operator : HP/JU
Sample : K4757-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
A-4-8

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#1

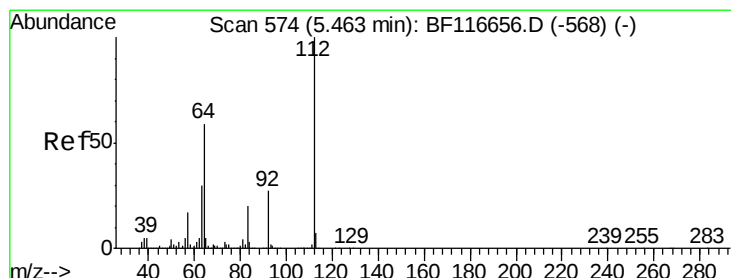
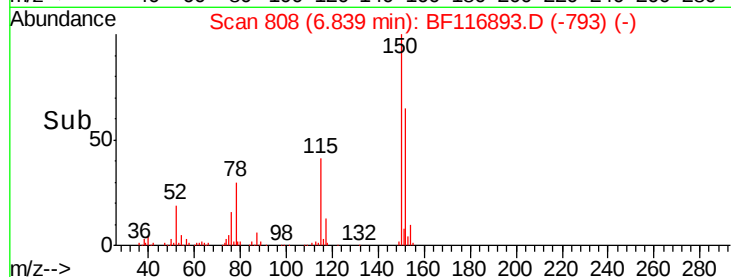
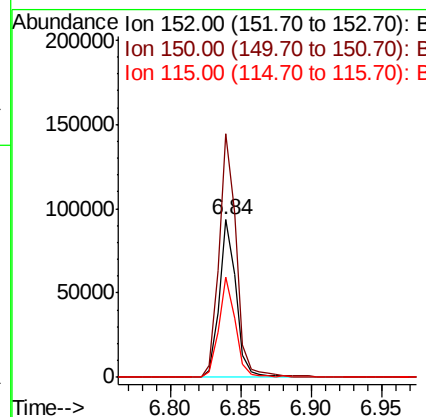
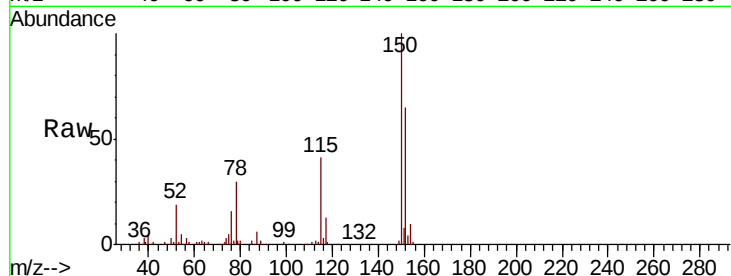
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.4	186.6
115	63.9	49.9	74.9

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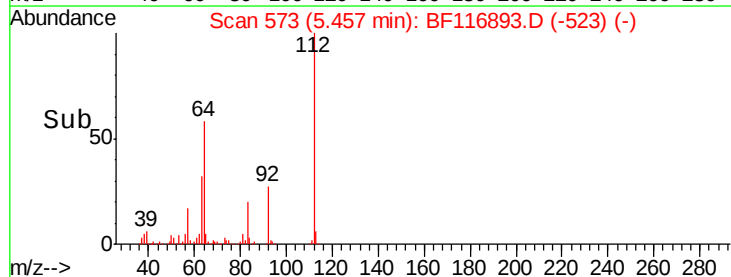
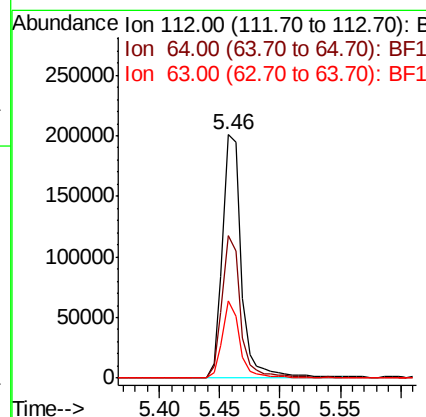
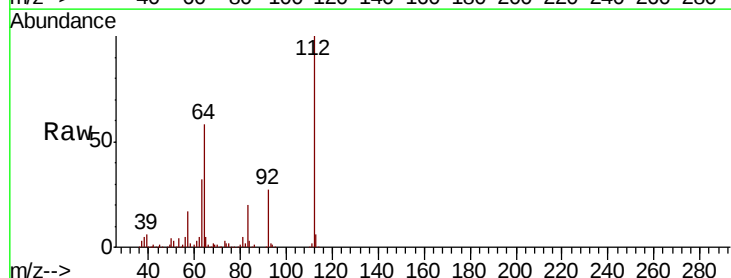
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#5

2-Fluorophenol
Concen: 45.606 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.1	70.7
63	31.6	24.9	37.3





#7

Phenol-d6

Concen: 49.870 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116893.D

Acq: 9 Sep 2019 2:50

Instrument :

BNA_F

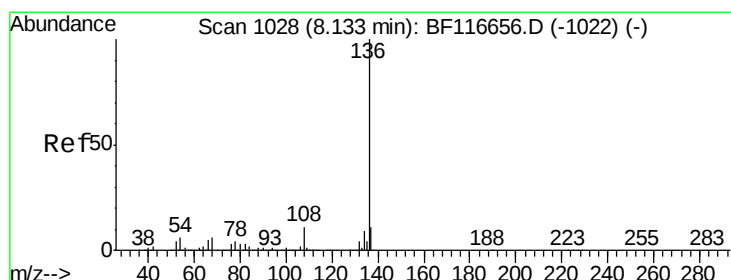
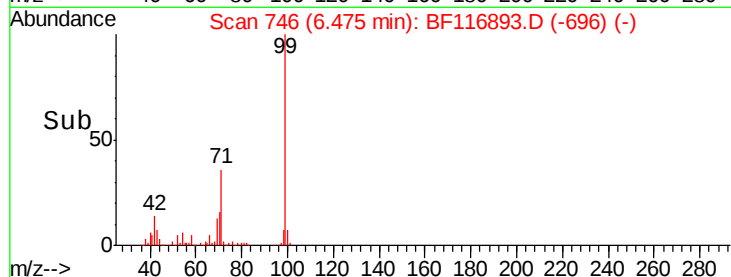
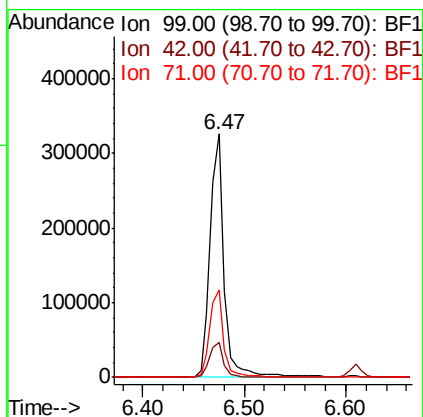
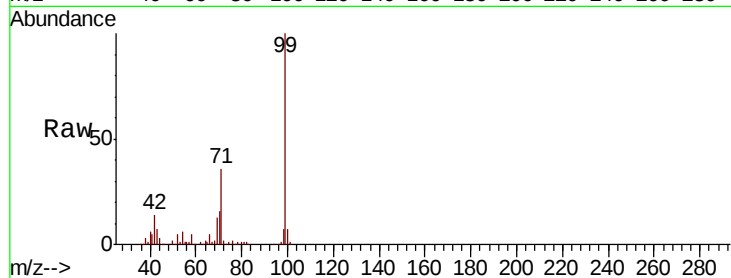
ClientSampleId :

A-4-8

Tot Ion:	99	Resp:	315523
Ion Ratio	Lower	Upper	
99	100		
42	14.3	13.7	20.5
71	36.2	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

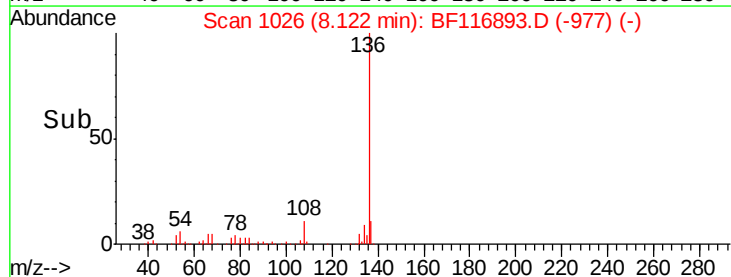
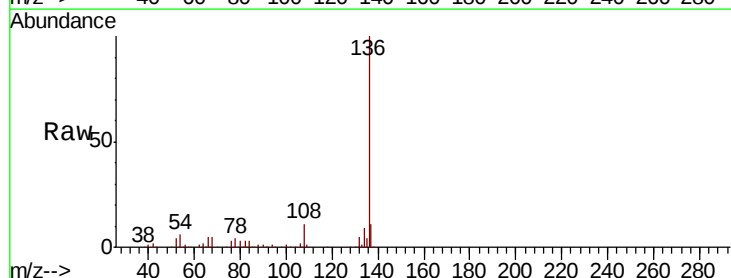
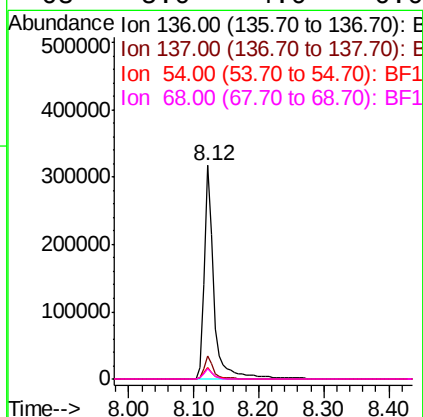
RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116893.D

Acq: 9 Sep 2019 2:50

Tgt Ion:	136	Resp:	327807
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	5.7	4.8	7.2
68	5.0	4.0	6.0





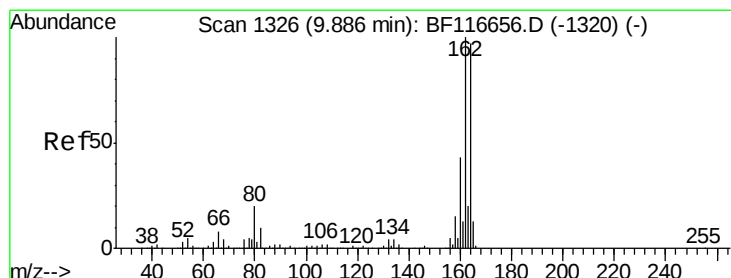
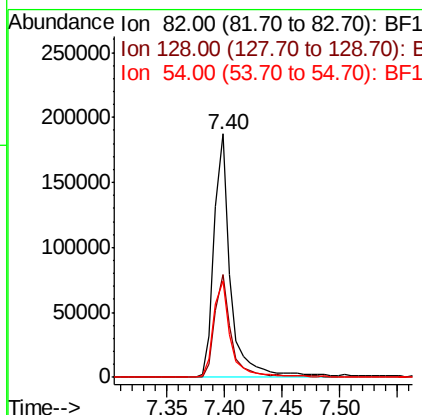
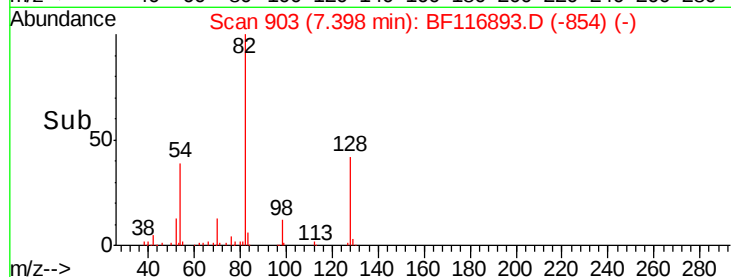
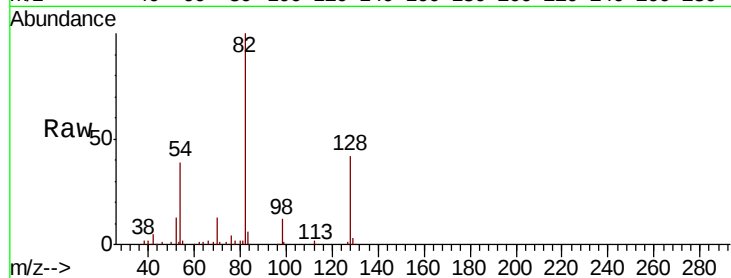
#23
Nitrobenzene-d5
Concen: 32.615 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Instrument :
BNA_F
ClientSampleId :
A-4-8

Tot Ion	82	Resp	187279
Ion Ratio	Lower	Upper	
82	100		
128	42.1	32.8	49.2
54	39.4	36.9	55.3

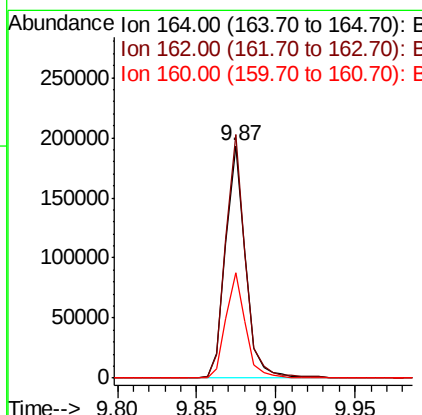
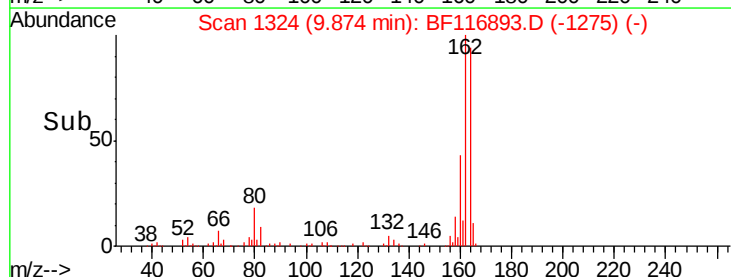
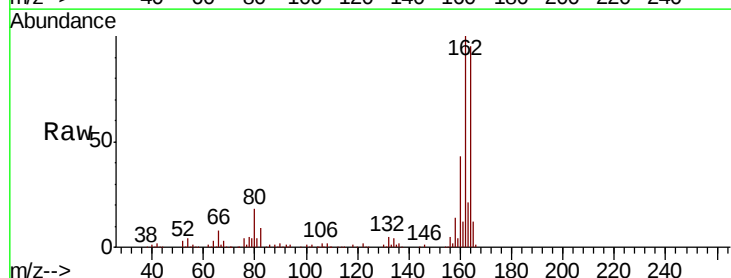
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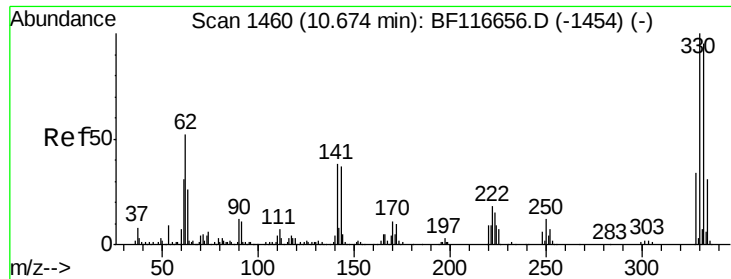
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Tgt Ion	164	Resp	169188
Ion Ratio	Lower	Upper	
164	100		
162	104.8	81.4	122.0
160	45.3	35.4	53.2





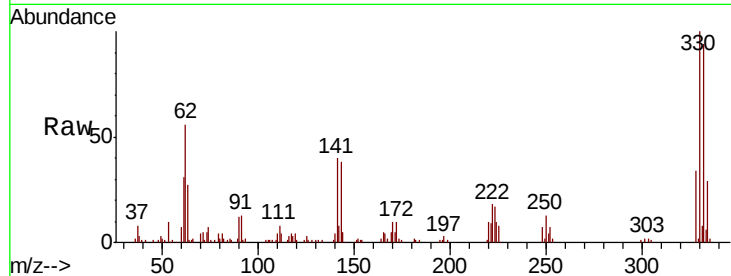
#42
 2,4,6-Tribromophenol
 Concen: 59.350 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116893.D
 Acq: 9 Sep 2019 2:50

Instrument :
 BNA_F
 ClientSampleId :
 A-4-8

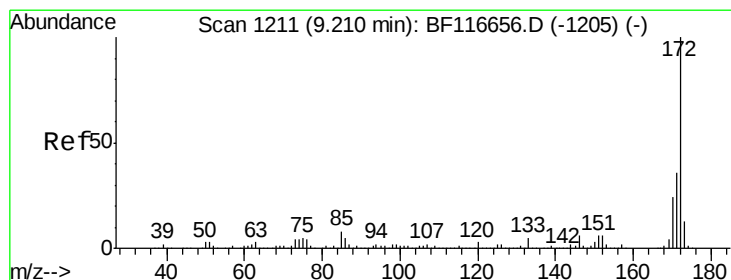
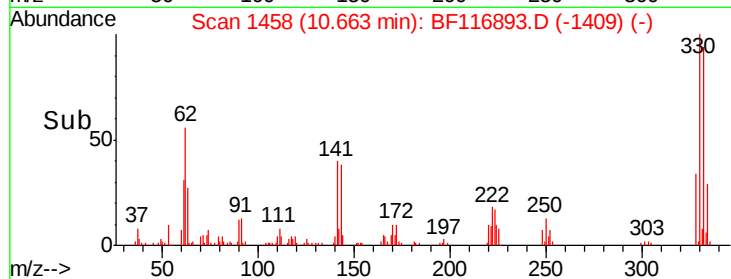
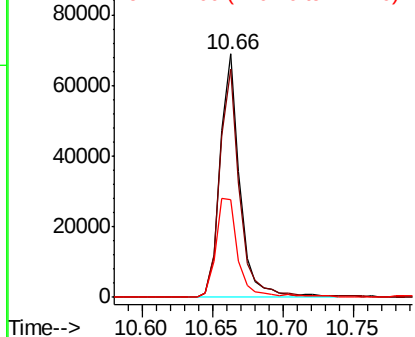
Tot Ion	Ratio	Resp	Lower	Upper
330	100	67128		
332	96.2		76.9	115.3
141	45.8		31.4	47.2

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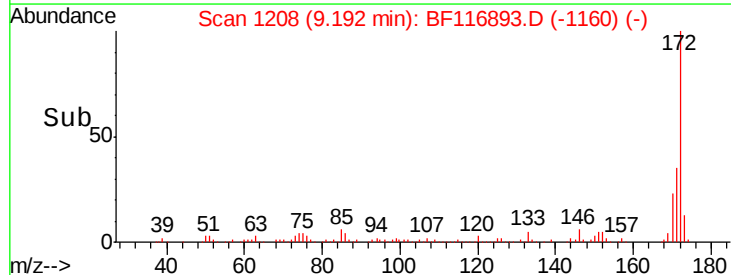
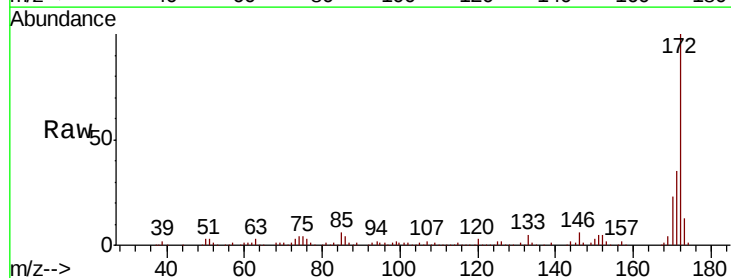
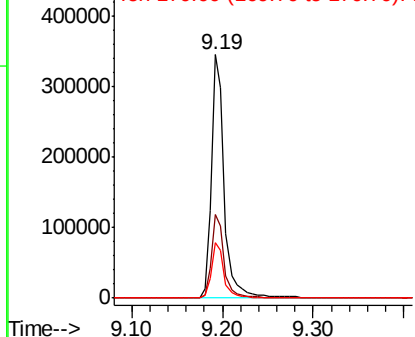
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 34.614 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: BF116893.D
 Acq: 9 Sep 2019 2:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	347161		
171	34.5		27.8	41.6
170	22.7		18.9	28.3

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





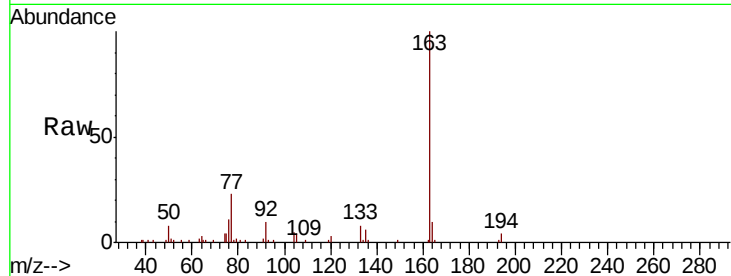
#50
Dimethylphthalate
Concen: 3.698 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Instrument :
BNA_F
ClientSampleId :
A-4-8

Tot Ion	Ratio	Resp	Lower	Upper
163	100	43195		
194	3.6		2.8	4.2
164	9.8		8.6	12.8

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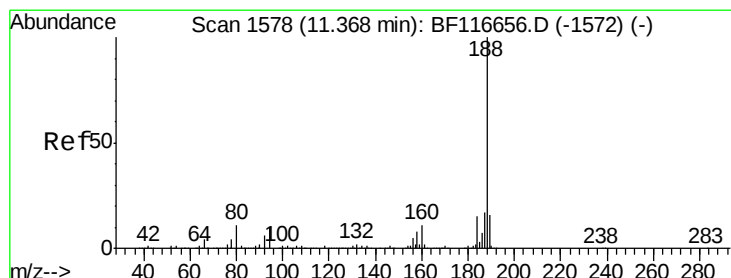
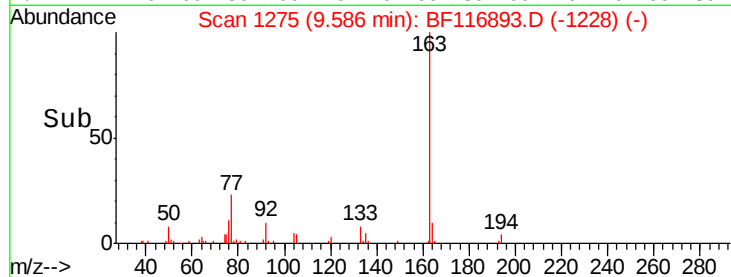
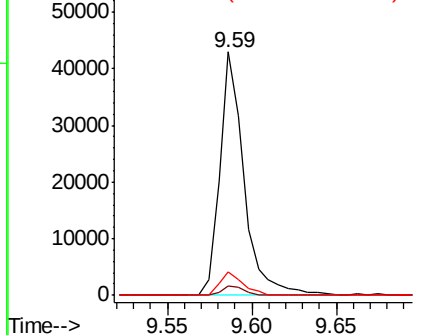


Abundance

Ion 163.00 (162.70 to 163.70): E

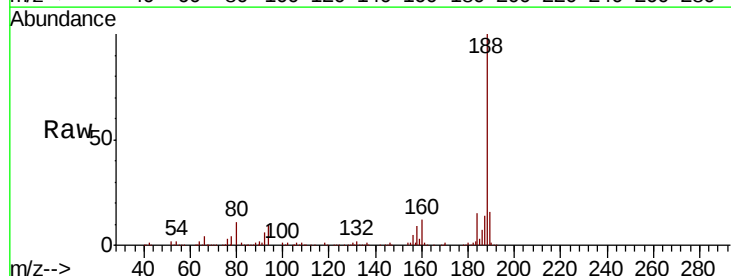
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	266711		
94	10.1		7.3	10.9
80	10.8		8.4	12.6

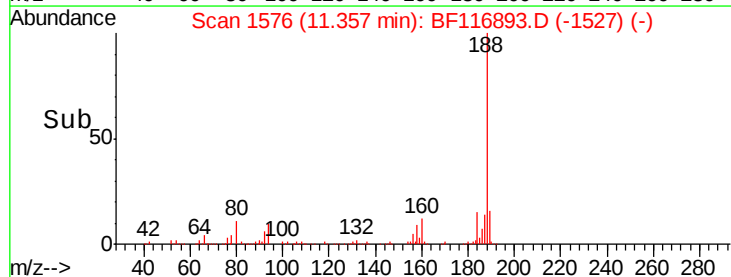
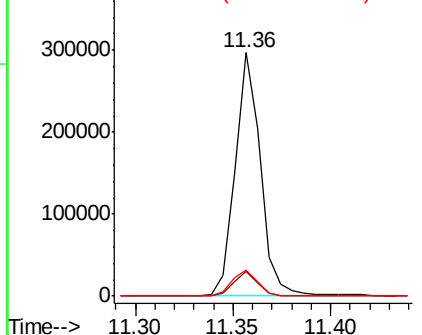


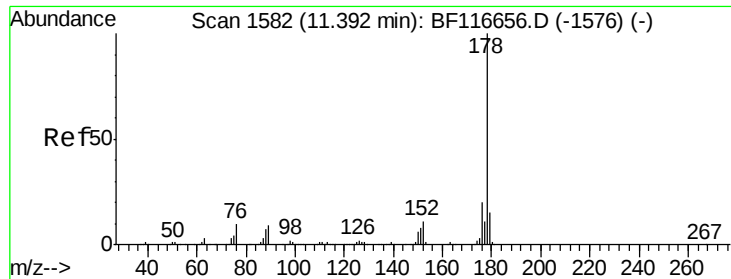
Abundance

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





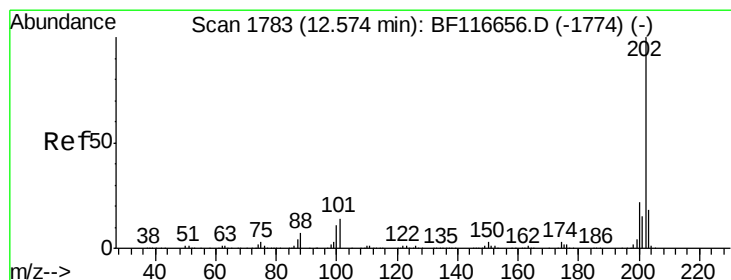
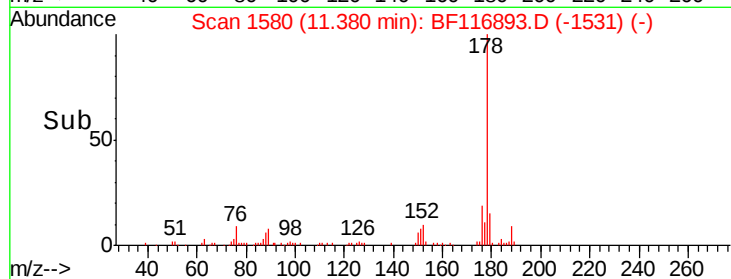
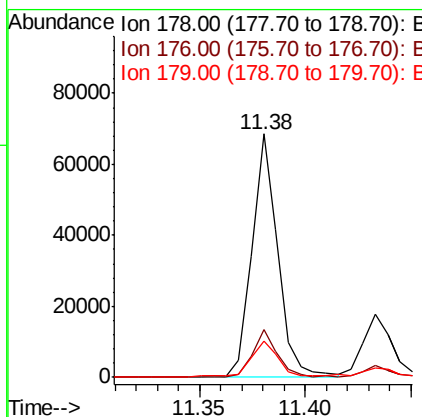
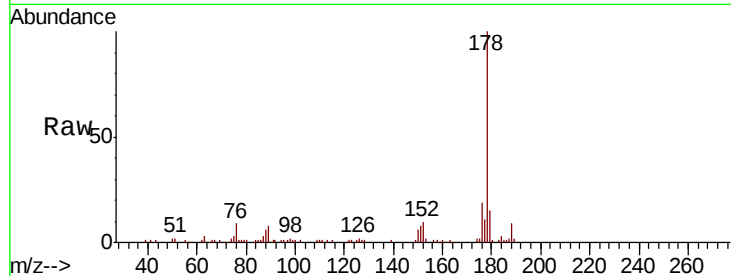
#71
Phenanthrene
Concen: 3.935 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Instrument :
BNA_F
ClientSampleId :
A-4-8

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.0	12.2	18.2

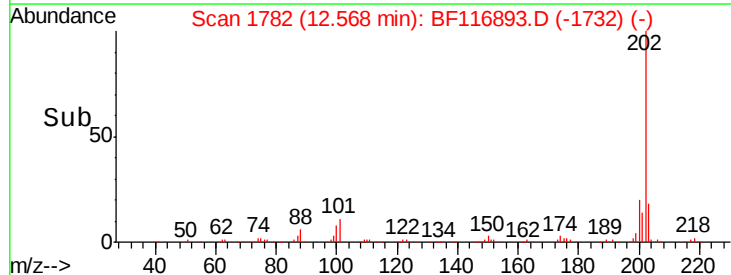
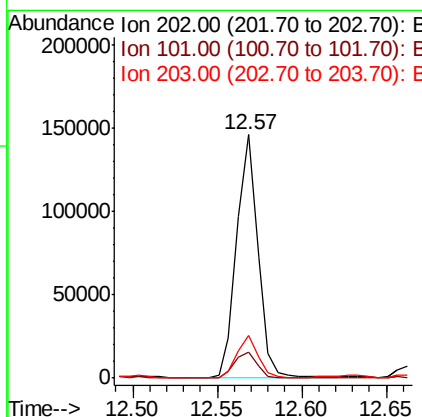
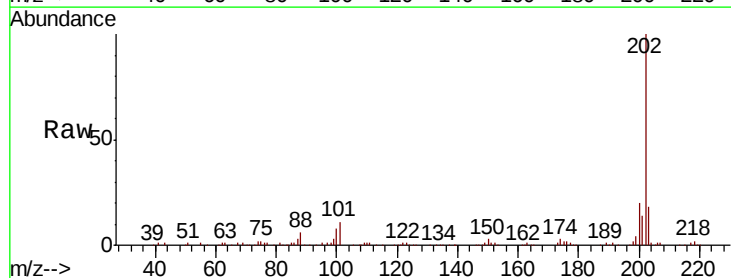
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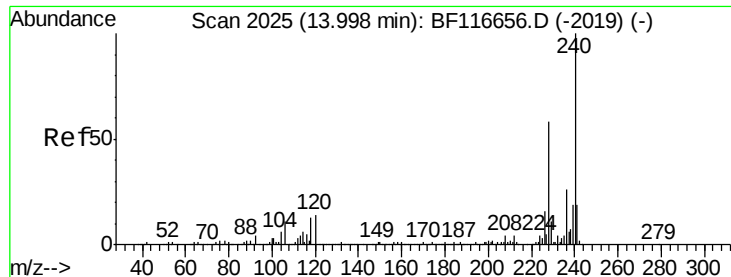
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#75
Fluoranthene
Concen: 8.850 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.3
203	17.6	0.0	37.6





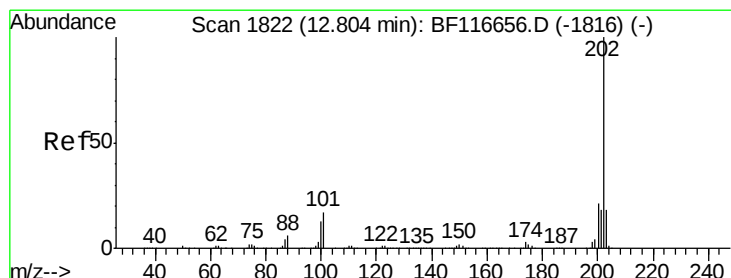
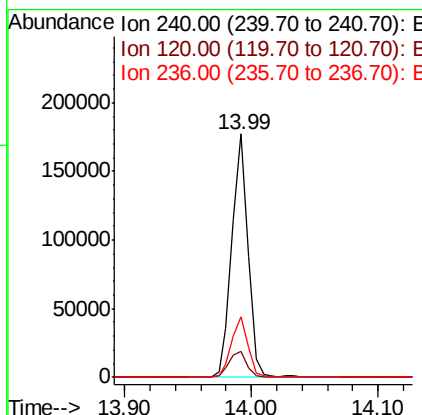
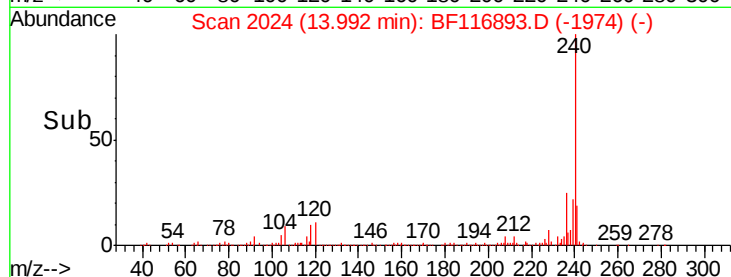
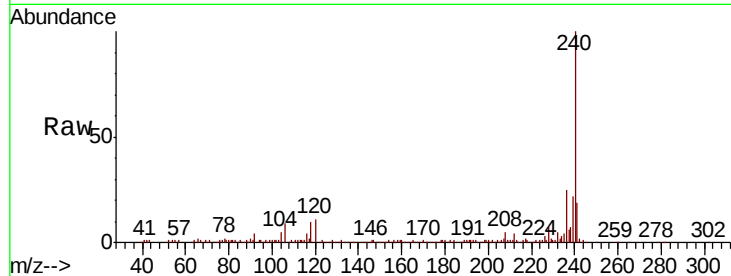
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Instrument :
BNA_F
ClientSampleId :
A-4-8

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	9.1	13.7
236	24.8	21.1	31.7

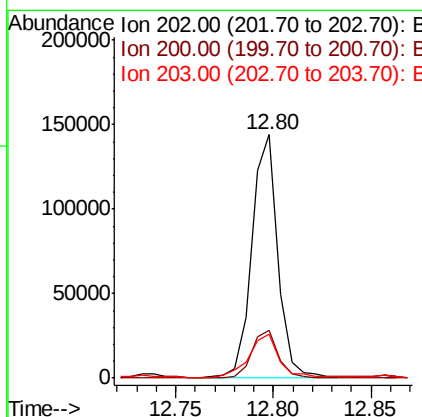
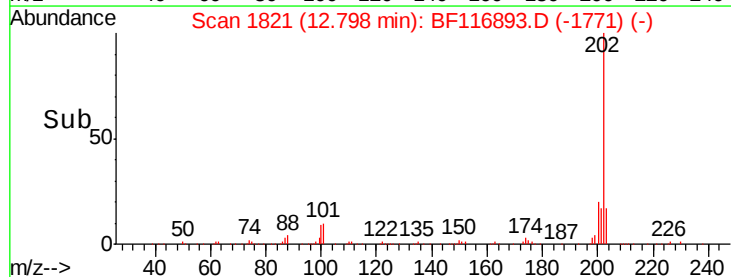
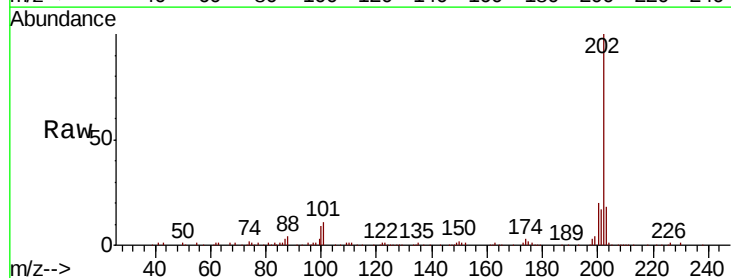
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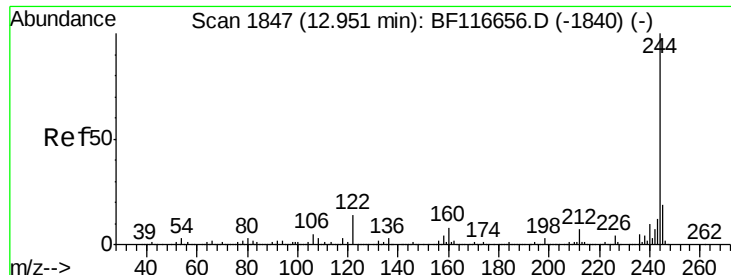
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#78
Pyrene
Concen: 9.500 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	19.6	16.5	24.7
203	18.1	13.7	20.5





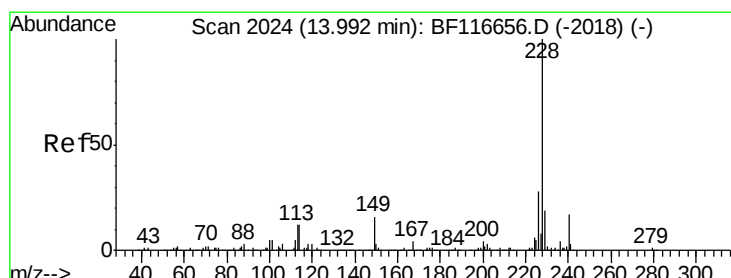
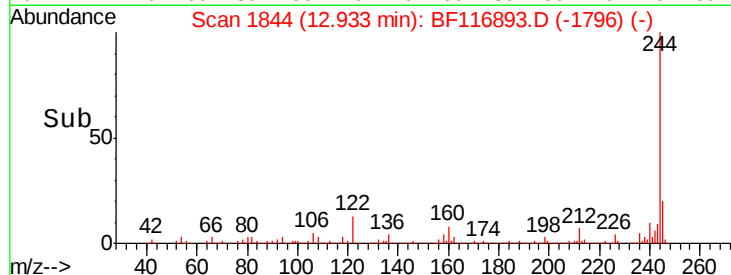
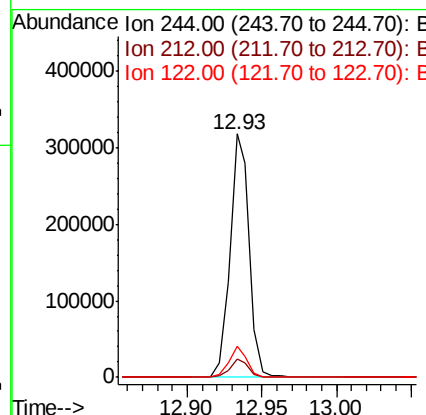
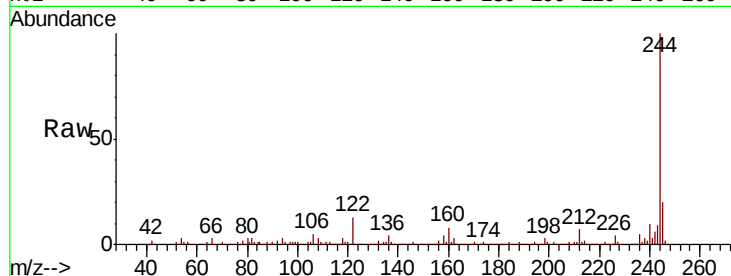
#79
 Terphenyl-d14
 Concen: 34.348 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF116893.D
 Acq: 9 Sep 2019 2:50

Instrument :
 BNA_F
 ClientSampleId :
 A-4-8

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.3	6.1	9.1	
122	12.6	10.2	15.4	

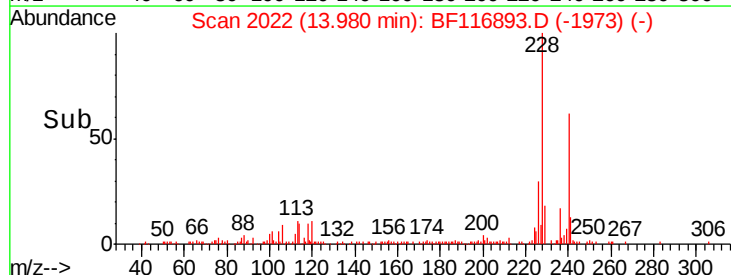
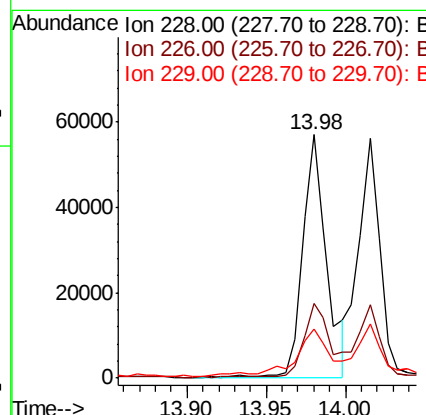
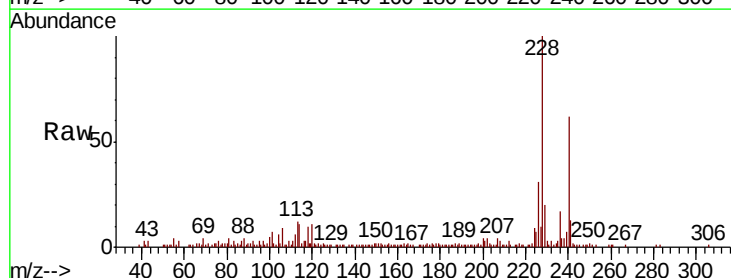
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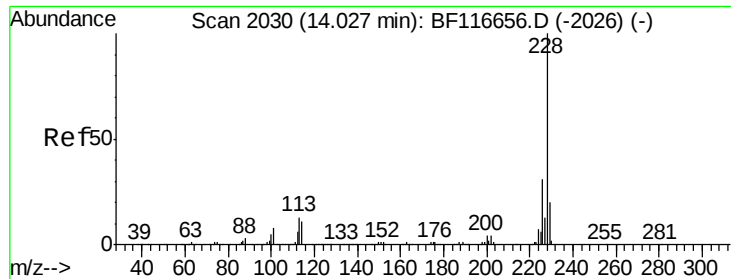
mohammad
 9/12/2019 9:26:39 AM



#81
 Benzo(a)anthracene
 Concen: 6.070 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF116893.D
 Acq: 9 Sep 2019 2:50

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.9	22.0	33.0	
229	20.3	16.4	24.6	





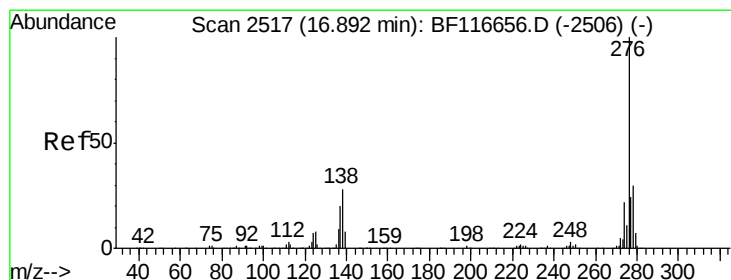
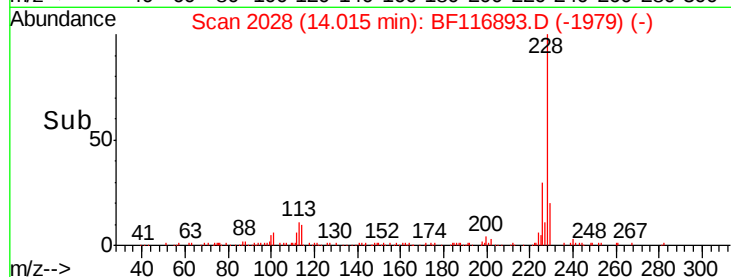
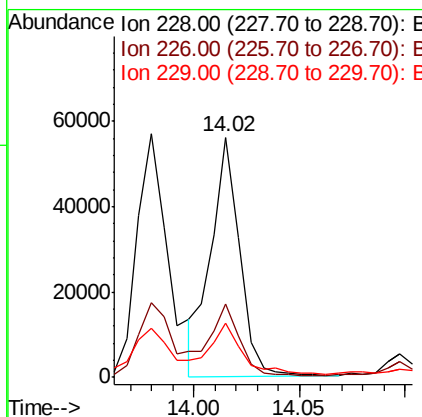
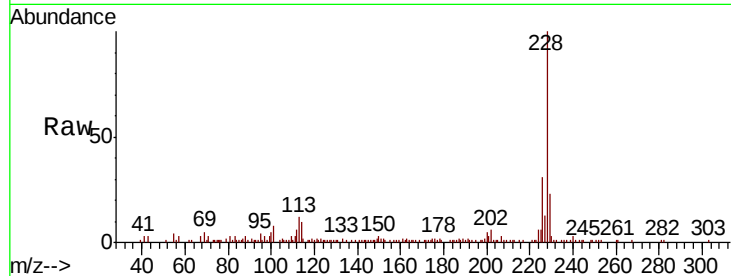
#83
Chrysene
Concen: 5.255 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Instrument :
BNA_F
ClientSampleId :
A-4-8

Tot Ion:	228	Resp:	53507
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.0	36.0
229	22.8	15.4	23.0

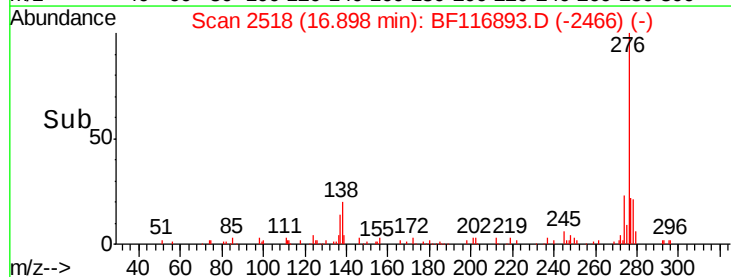
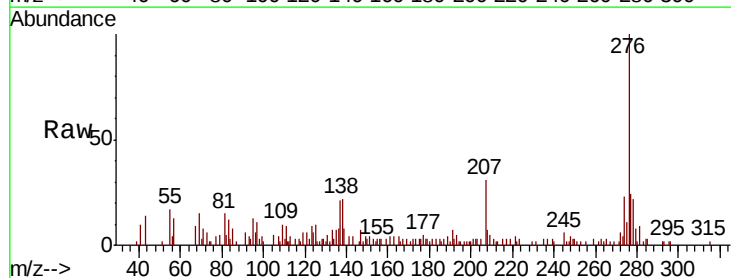
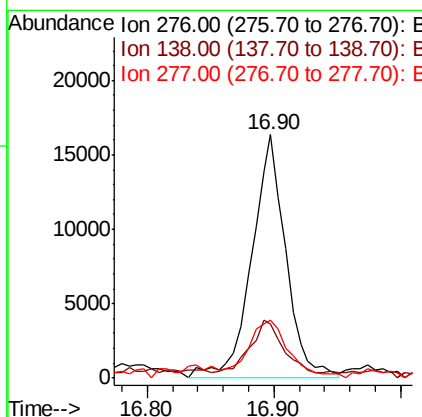
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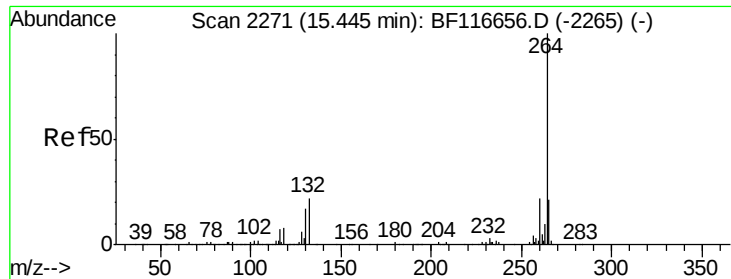
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.752 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Tgt Ion:	276	Resp:	30683
Ion Ratio	Lower	Upper	
276	100		
138	20.6	19.4	29.2
277	28.8	20.5	30.7





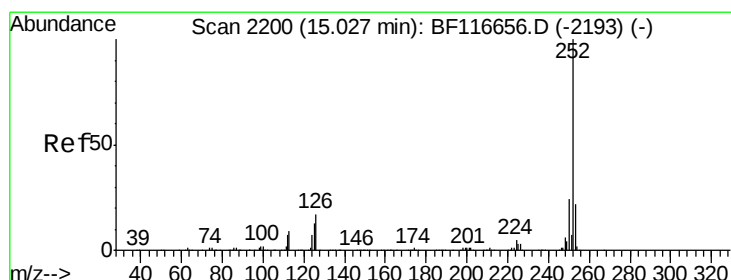
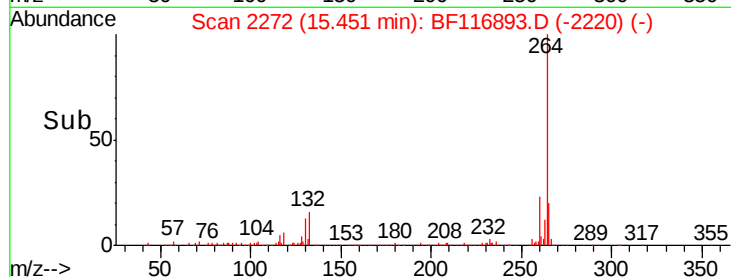
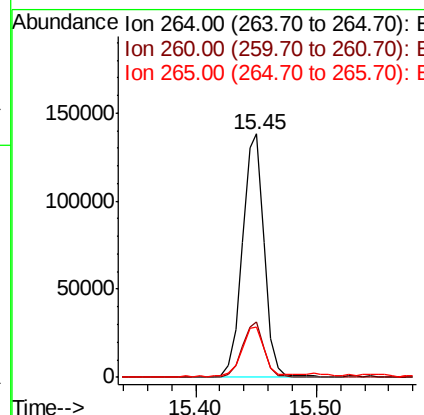
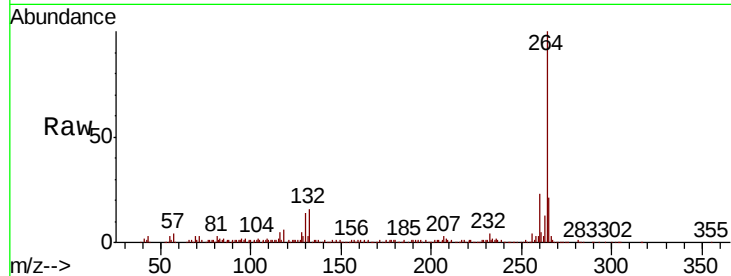
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Instrument :
BNA_F
ClientSampleId :
A-4-8

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.3	27.5
265	20.6	16.5	24.7

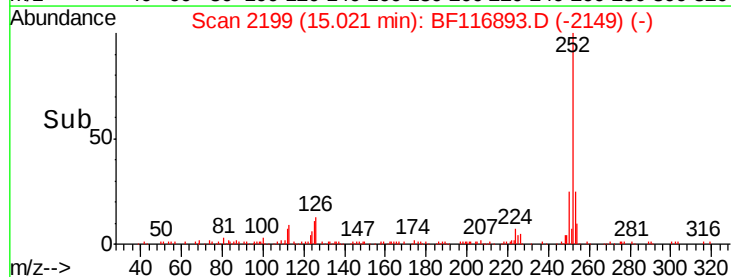
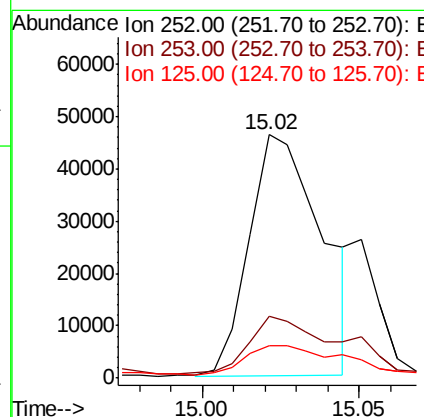
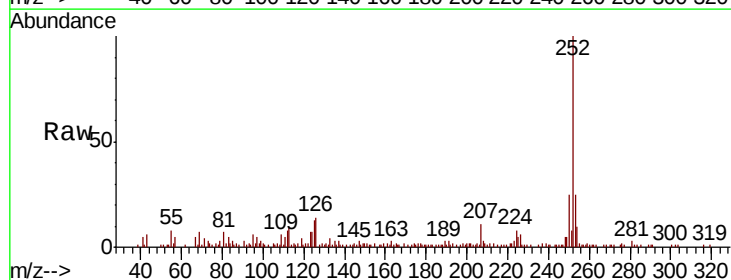
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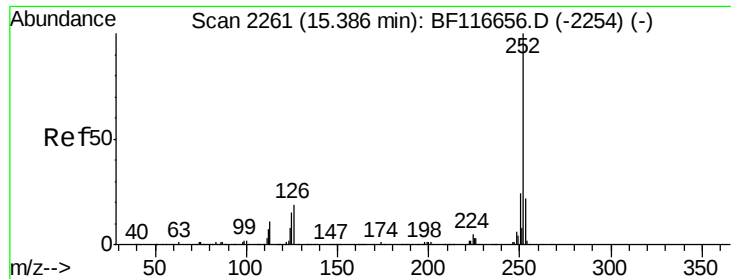
mohammad
9/12/2019 9:26:39 AM



#88
Benzo(b)fluoranthene
Concen: 7.090 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.7	26.5
125	13.4	8.2	12.2#





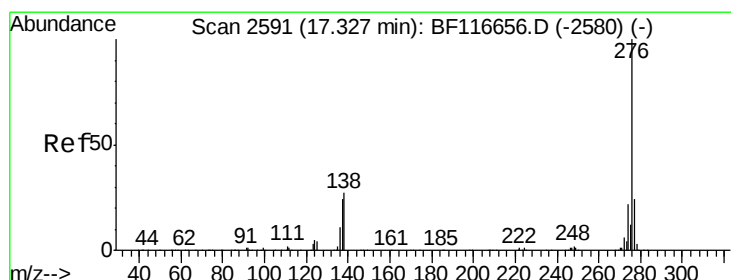
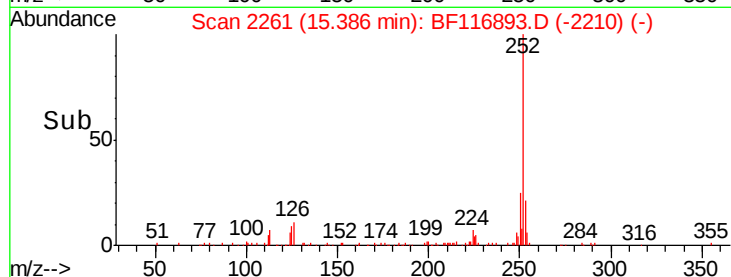
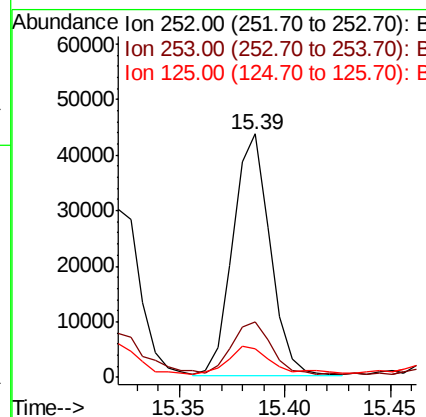
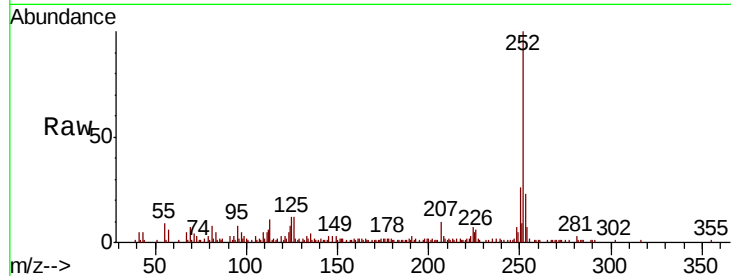
#90
Benzo(a)pyrene
Concen: 5.724 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Instrument :
BNA_F
ClientSampled :
A-4-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	11.5	9.8	14.8

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.478 ng
RT: 17.33 min Scan# 2592
Delta R.T. 0.01 min
Lab File: BF116893.D
Acq: 9 Sep 2019 2:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.5	27.7
138	21.0	16.2	24.2

