

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116740.D
 Acq On : 1 Sep 2019 14:10
 Operator : HP/JU
 Sample : K4525-19
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-C-(0-1.9)

Manual Integrations
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mohammad
 9/5/2019 9:54:14 AM

Quant Time: Sep 02 05:35:45 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	6.85	152	124804	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	507315	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	271536	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	456969	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	403153	20.00	ng	-0.01
87) Perylene-d12	15.44	264	432758	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	434691	56.43	ng	-0.01
7) Phenol-d6	6.47	99	671017	66.33	ng	-0.01
23) Nitrobenzene-d5	7.40	82	407496	45.85	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	166709	91.84	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	813121	50.51	ng	-0.01
79) Terphenyl-d14	12.94	244	957713	43.95	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.59	163	42814	2.284	ng	98
71) Phenanthrene	11.38	178	58176	2.287	ng	95
75) Fluoranthene	12.56	202	113206	4.528	ng	97
78) Pyrene	12.79	202	98362	2.745	ng	99
88) Benzo(b)fluoranthene	15.02	252	62232m	2.379	ng	

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

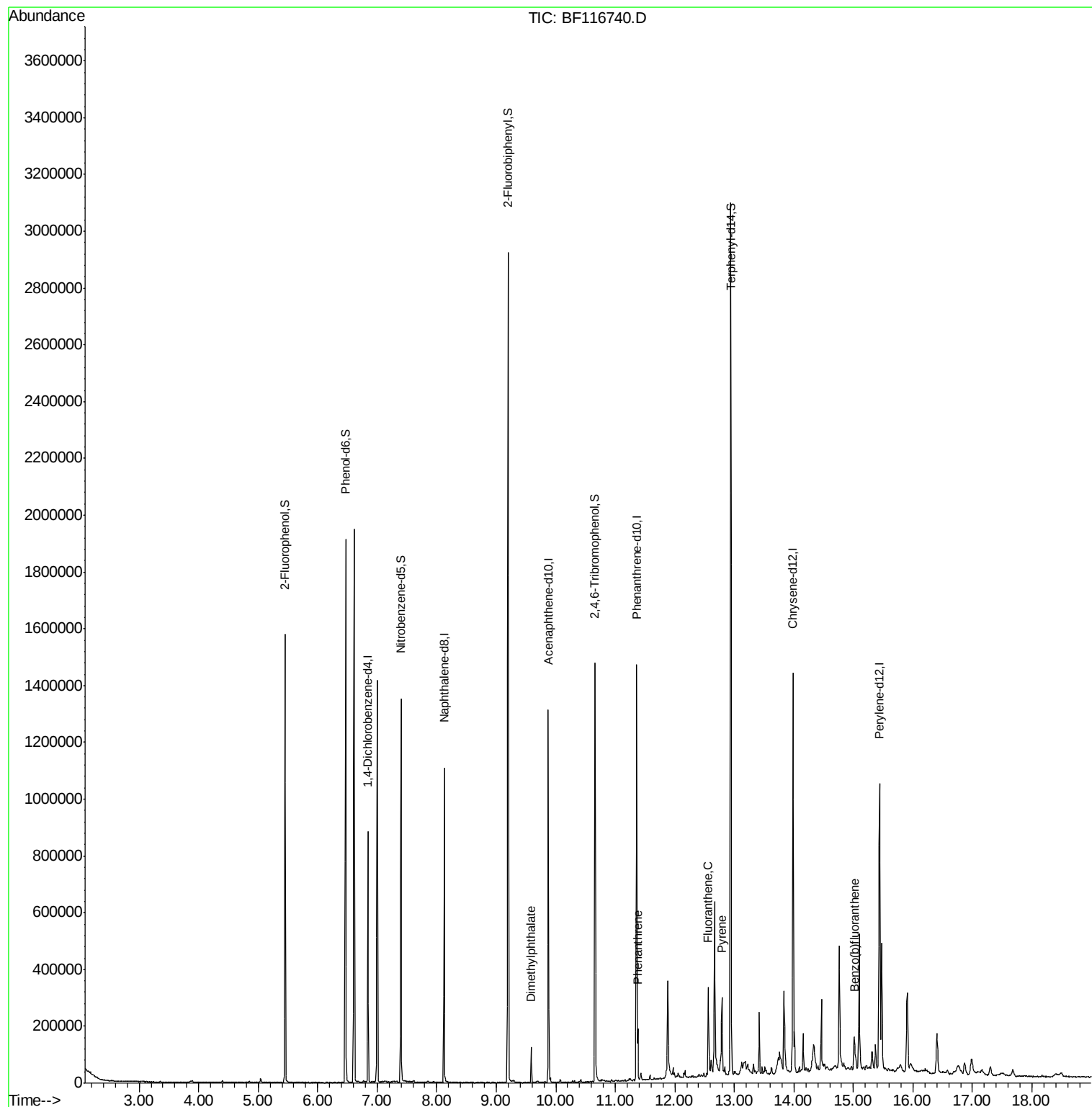
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
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#1

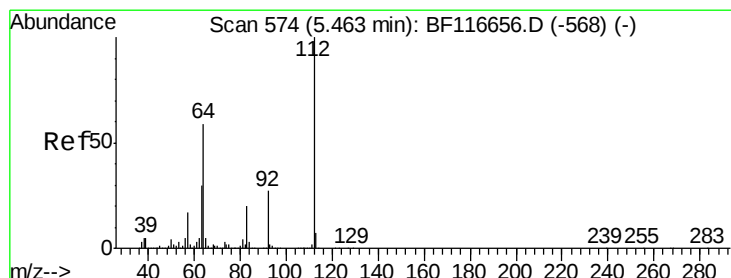
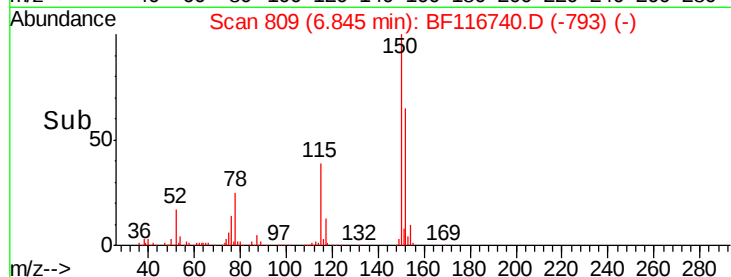
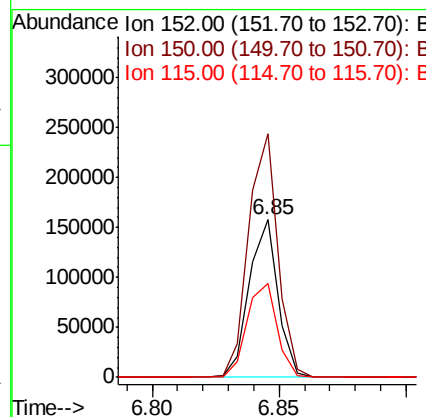
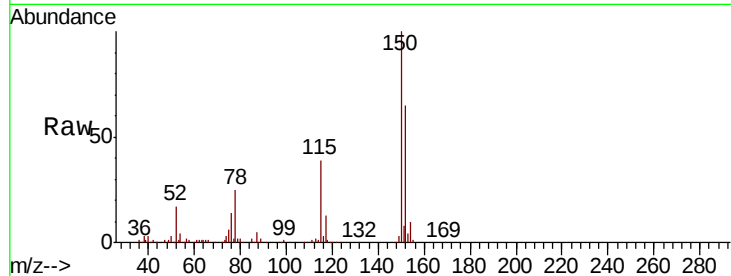
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

Instrument :
BNA_F
ClientSampleId :
T9-12-13-C-(0-1.9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.4	186.6
115	59.9	49.9	74.9

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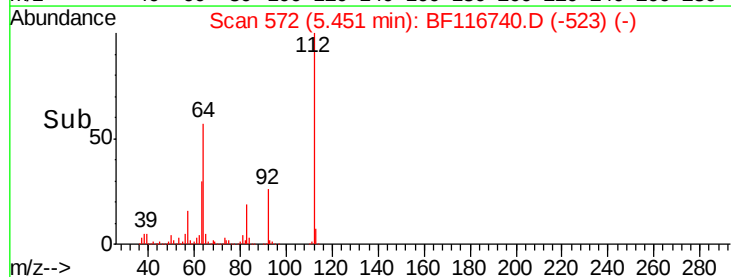
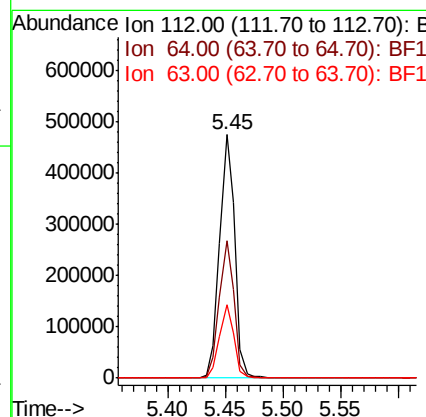
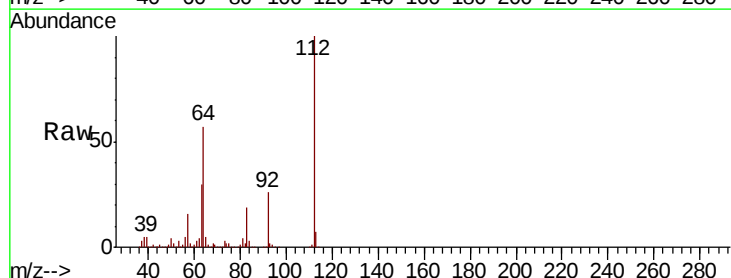
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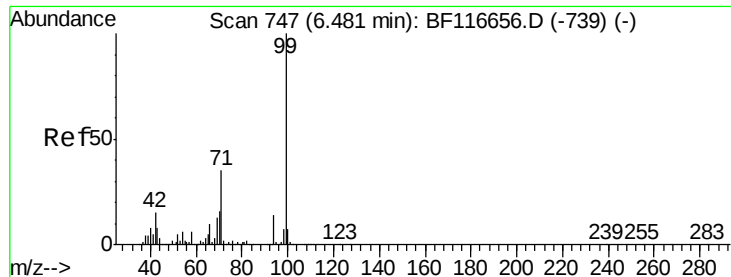


#5

2-Fluorophenol
Concen: 56.426 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.1	70.7
63	29.9	24.9	37.3





#7

Phenol-d6

Concen: 66.334 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116740.D

Acq: 1 Sep 2019 14:10

Instrument :

BNA_F

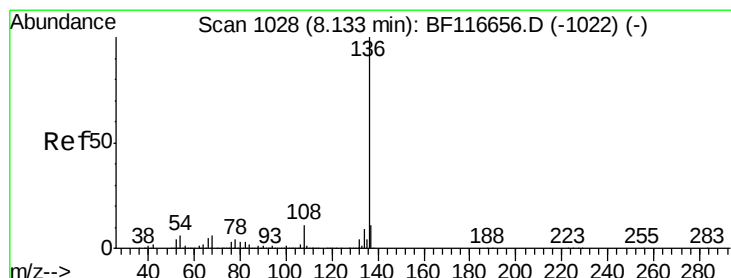
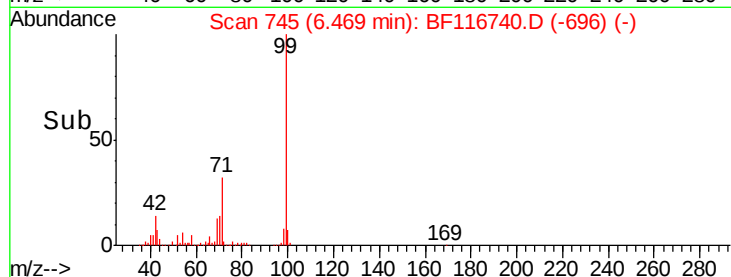
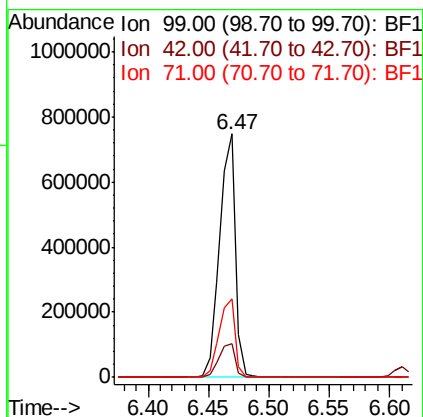
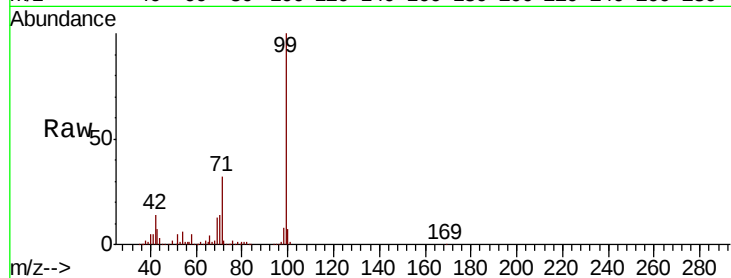
ClientSampleId :

T9-12-13-C-(0-1.9)

Tot Ion:	99	Resp:	671017
Ion Ratio	Lower	Upper	
99	100		
42	13.7	13.7	20.5
71	32.5	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

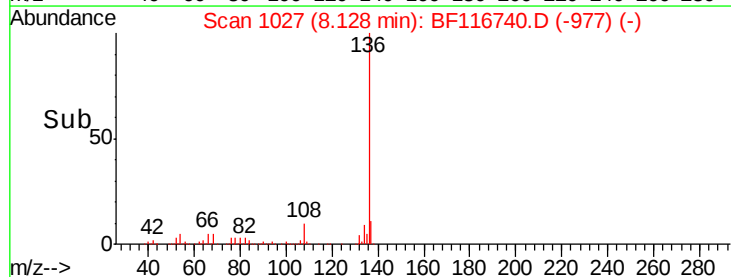
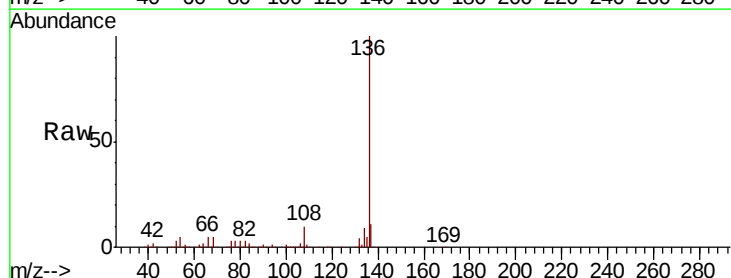
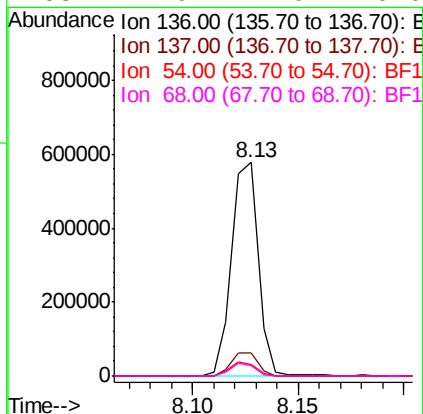
RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116740.D

Acq: 1 Sep 2019 14:10

Tgt Ion:	136	Resp:	507315
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	5.3	4.8	7.2
68	4.9	4.0	6.0





#23

Nitrobenzene-d5

Concen: 45.855 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF116740.D

Acq: 1 Sep 2019 14:10

Instrument :

BNA_F

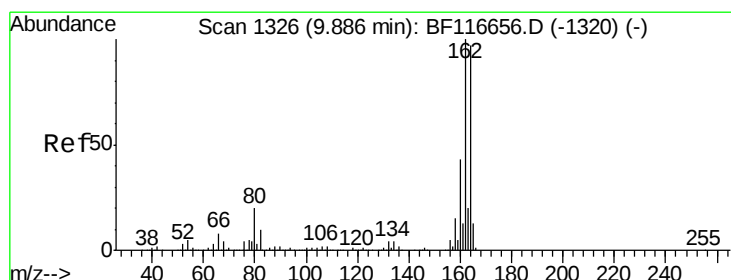
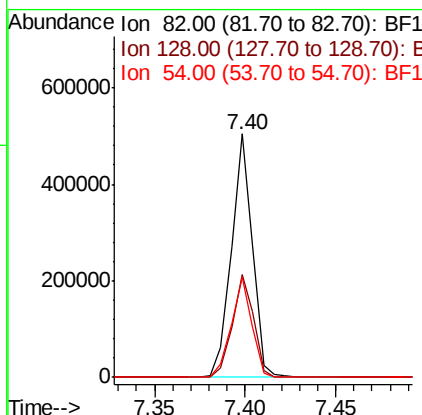
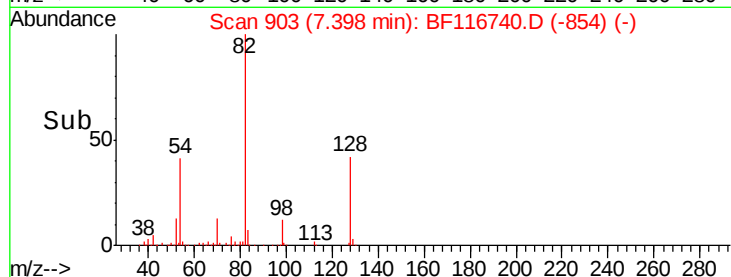
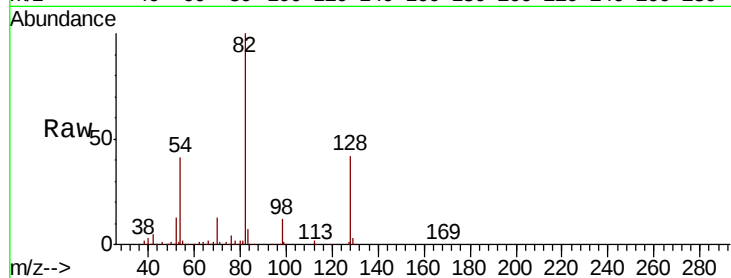
ClientSampleId :

T9-12-13-C-(0-1.9)

Tot Ion	82	Resp	407496
Ion Ratio	Lower	Upper	
82	100		
128	42.3	32.8	49.2
54	41.0	36.9	55.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

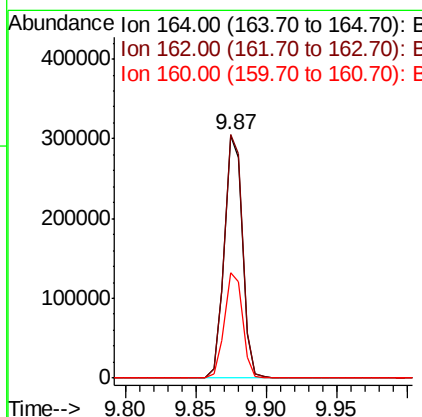
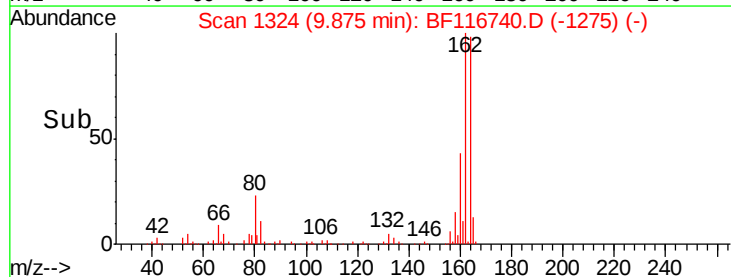
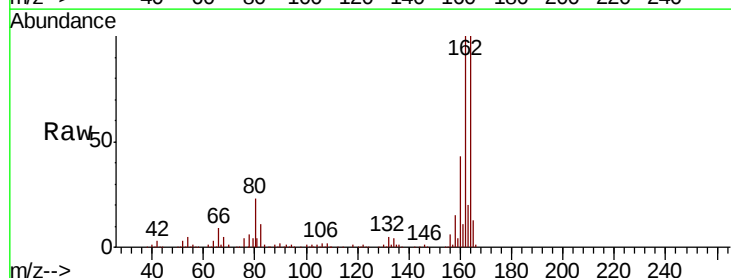
RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116740.D

Acq: 1 Sep 2019 14:10

Tgt Ion	164	Resp	271536
Ion Ratio	Lower	Upper	
164	100		
162	100.4	81.4	122.0
160	43.6	35.4	53.2





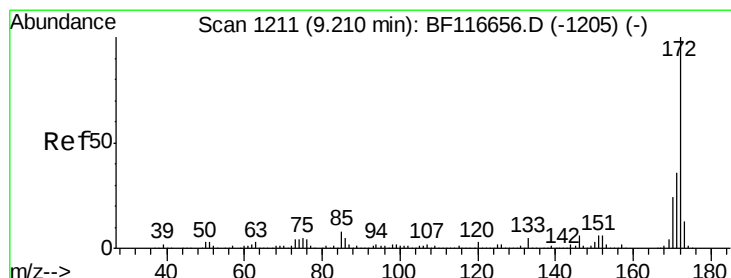
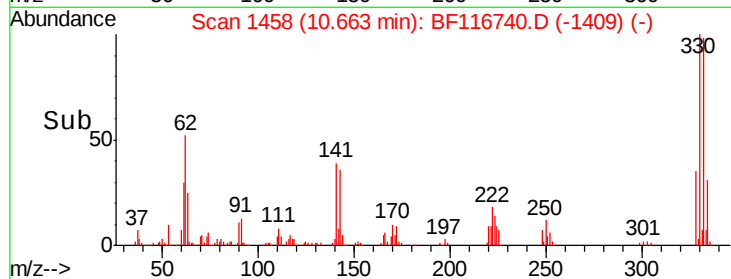
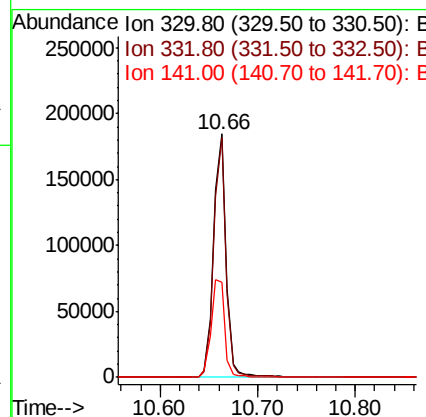
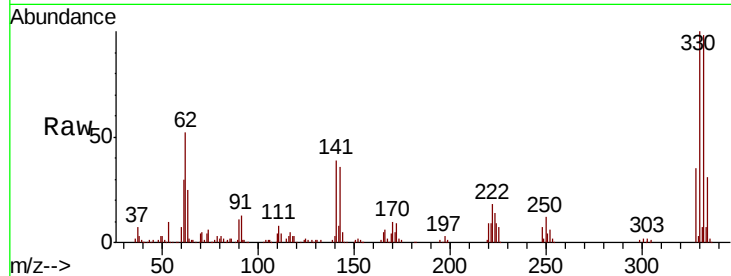
#42
 2,4,6-Tribromophenol
 Concen: 91.837 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116740.D
 Acq: 1 Sep 2019 14:10

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-C-(0-1.9)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	166709		
332	95.9	76.9	115.3	
141	43.3	31.4	47.2	

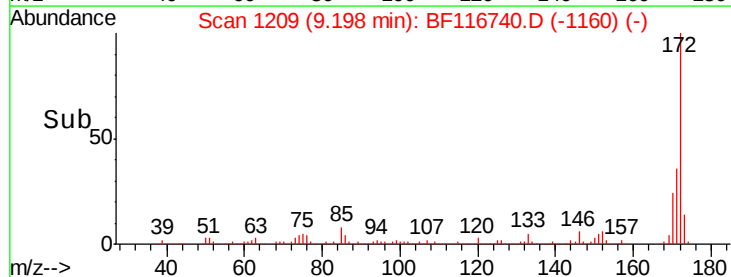
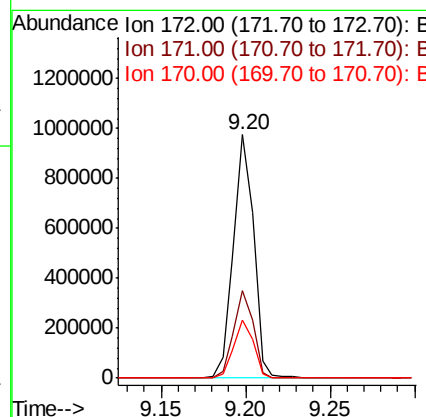
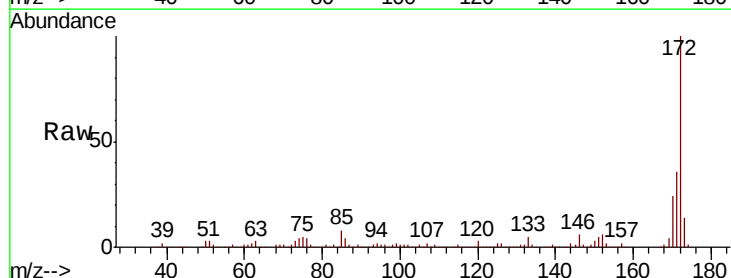
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#45
 2-Fluorobiphenyl
 Concen: 50.514 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116740.D
 Acq: 1 Sep 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	813121		
171	36.0	27.8	41.6	
170	23.8	18.9	28.3	





#50

Dimethylphthalate

Concen: 2.284 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116740.D

Acq: 1 Sep 2019 14:10

Instrument :

BNA_F

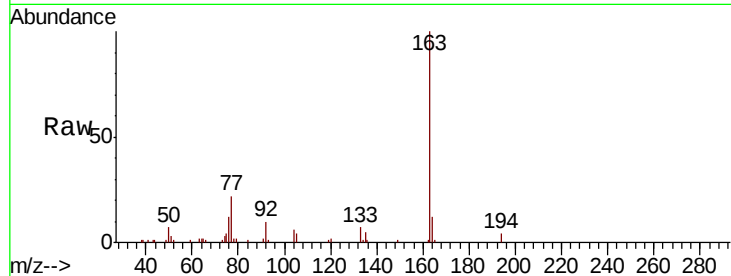
ClientSampleId :

T9-12-13-C-(0-1.9)

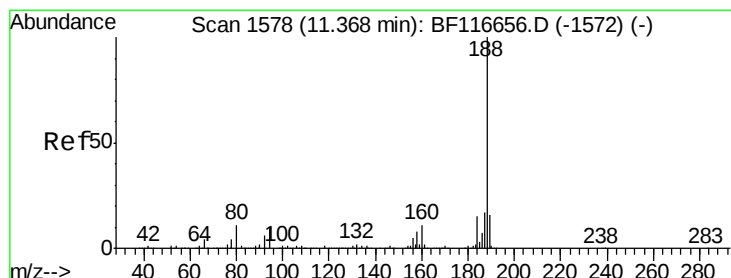
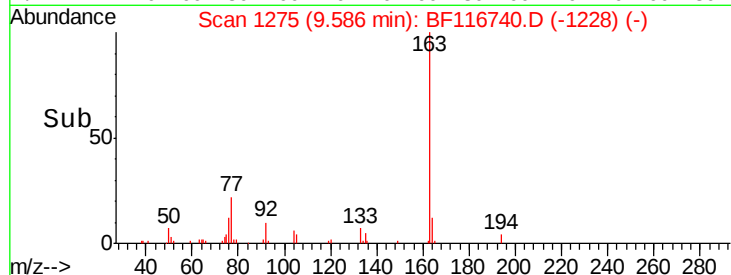
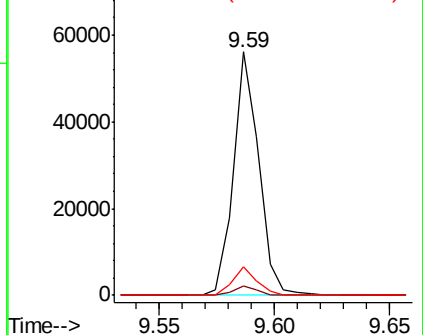
Tot Ion:	163	Resp:	42814
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.8	4.2
164	11.6	8.6	12.8

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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

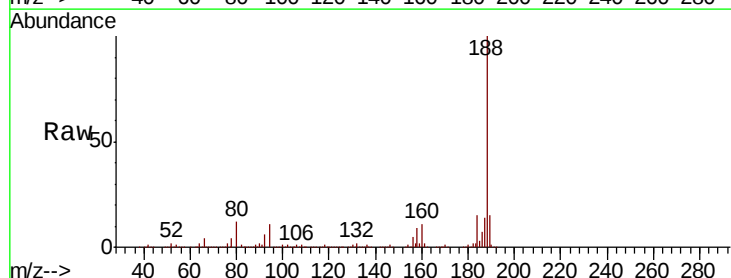
RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

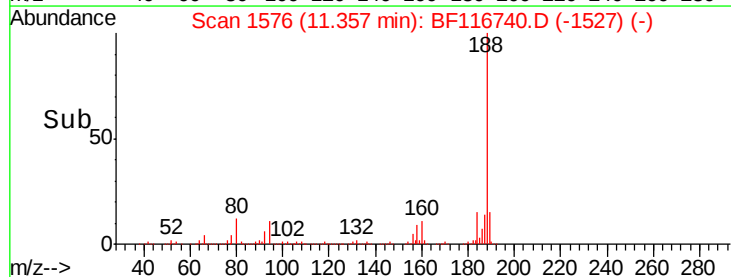
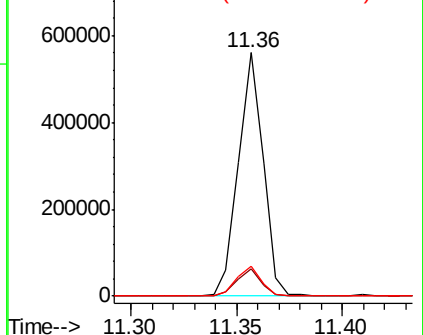
Lab File: BF116740.D

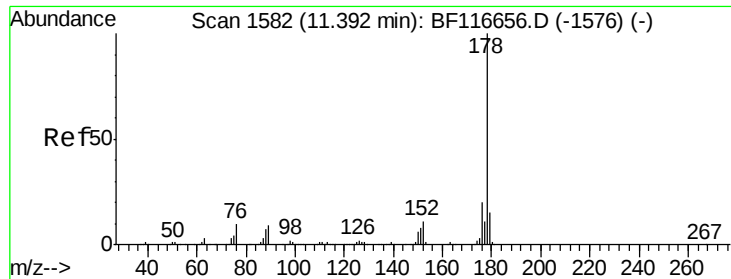
Acq: 1 Sep 2019 14:10

Tgt Ion:	188	Resp:	456969
Ion Ratio	Lower	Upper	
188	100		
94	11.1	7.3	10.9#
80	12.1	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





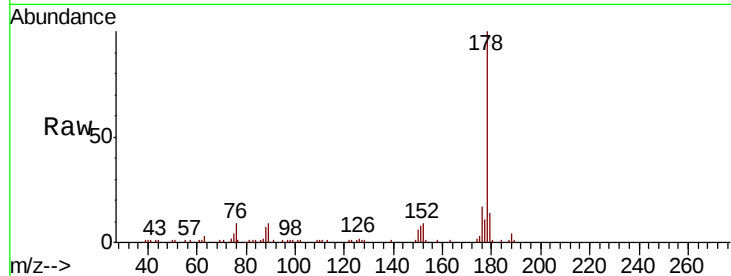
#71
Phenanthrene
Concen: 2.287 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

Instrument :
BNA_F
ClientSampleId :
T9-12-13-C-(0-1.9)

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.7	15.4	23.0
179	13.7	12.2	18.2

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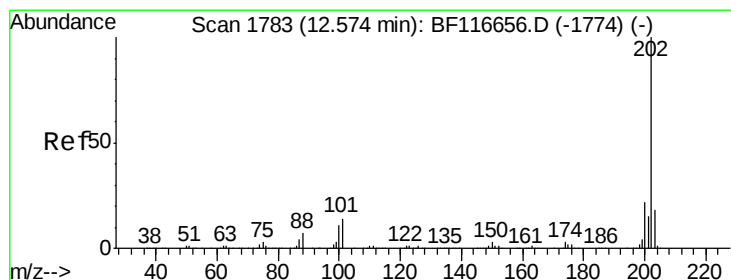
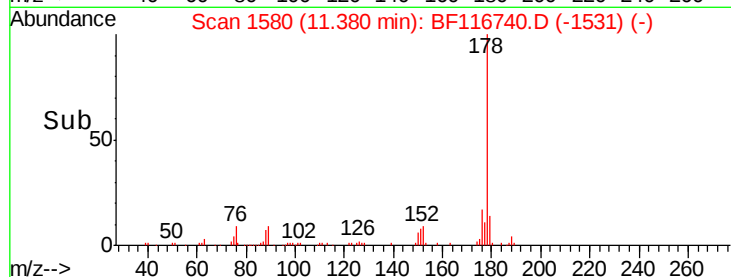
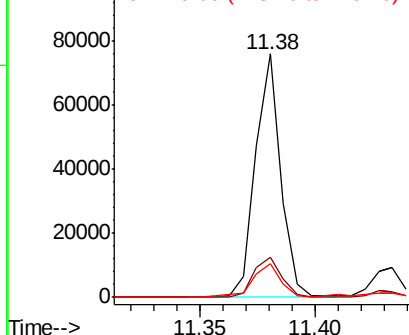


Abundance

Ion 178.00 (177.70 to 178.70): E

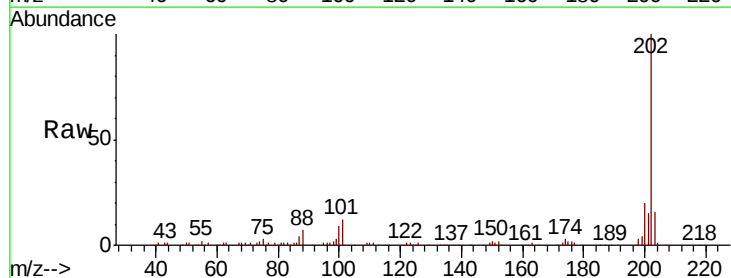
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 4.528 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.3
203	16.4	0.0	37.6

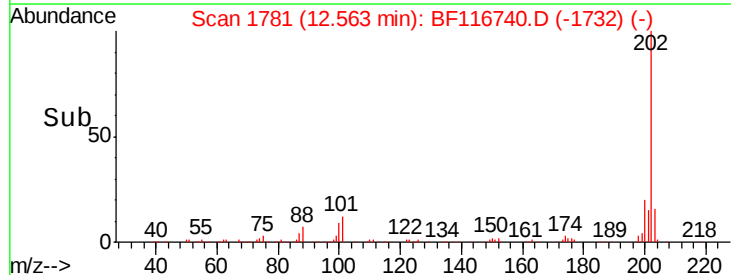
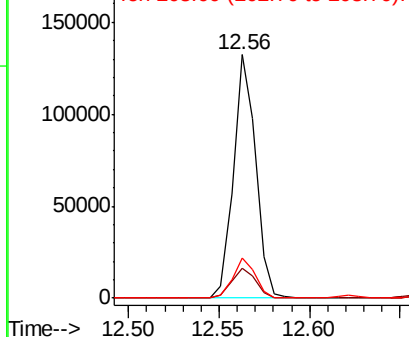


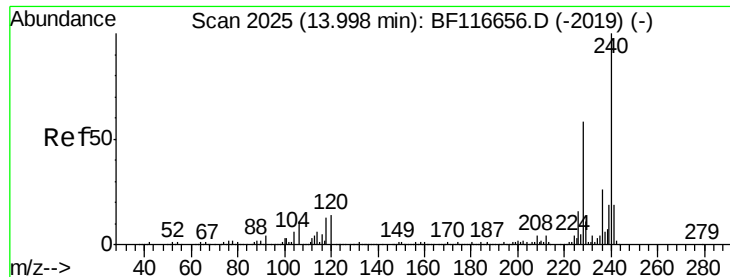
Abundance

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





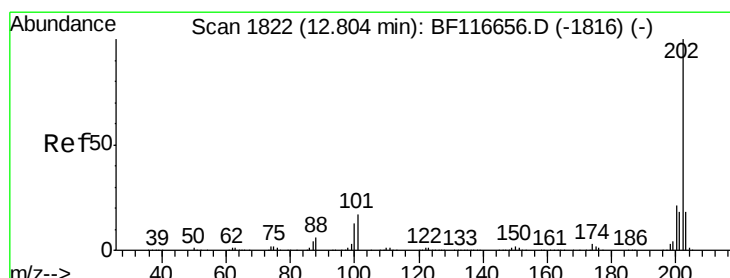
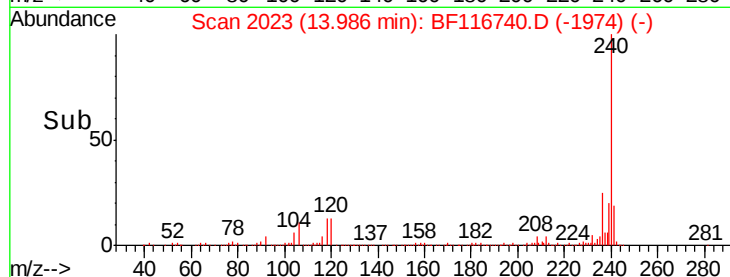
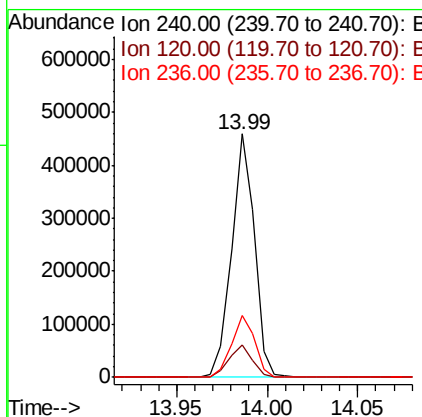
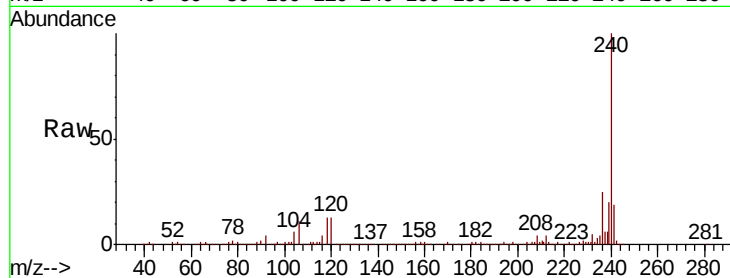
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

Instrument :
BNA_F
ClientSampleId :
T9-12-13-C-(0-1.9)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.1	13.7
236	25.3	21.1	31.7

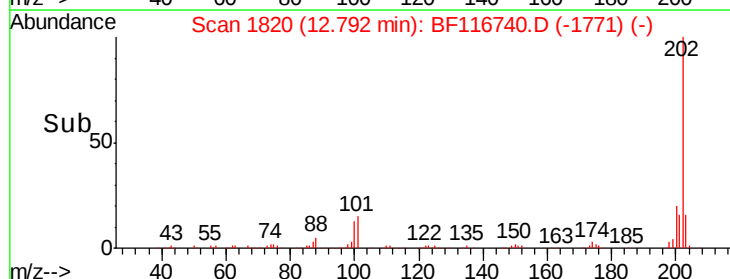
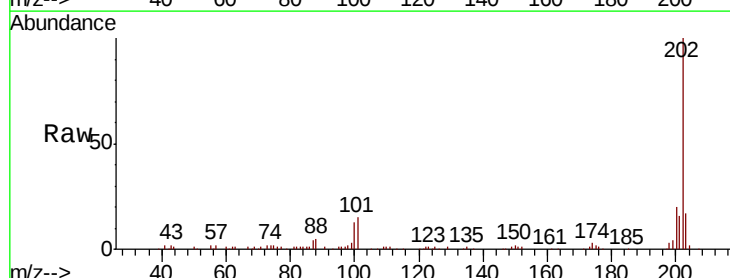
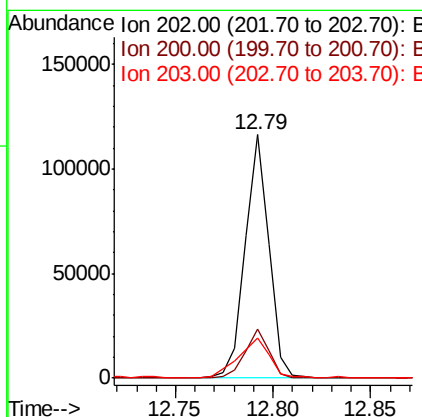
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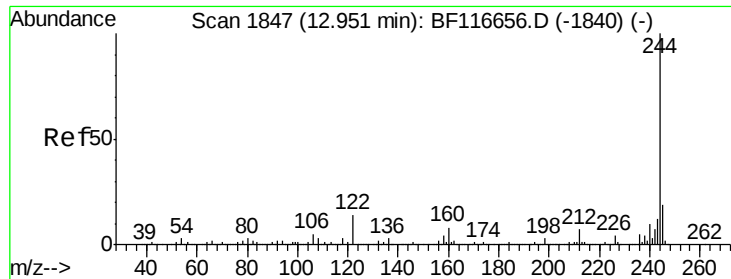
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#78
Pyrene
Concen: 2.745 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF116740.D
Acq: 1 Sep 2019 14:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.5	24.7
203	16.6	13.7	20.5





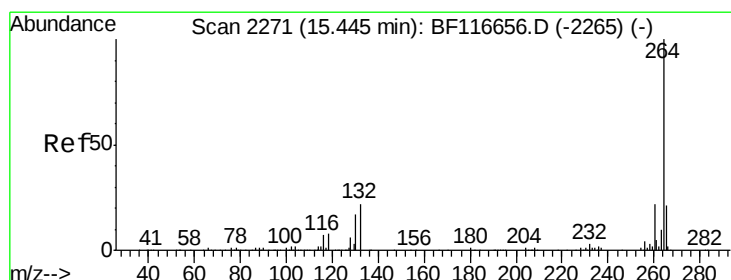
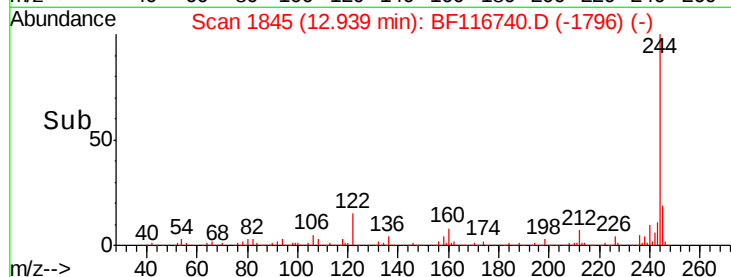
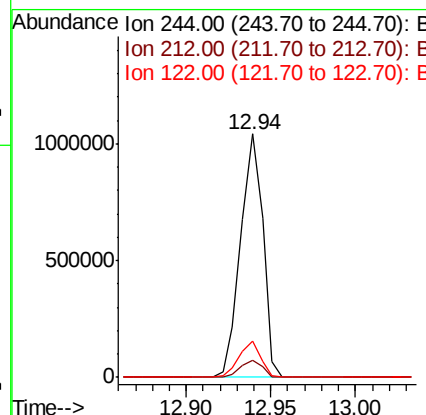
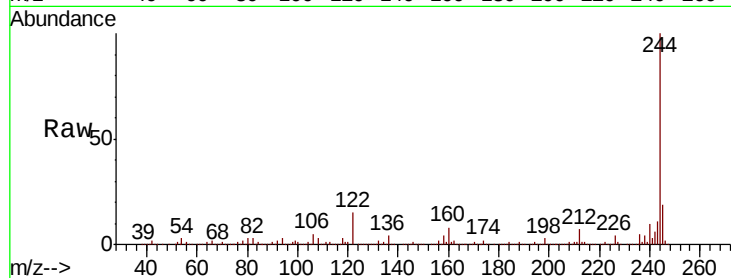
#79
 Terphenyl-d14
 Concen: 43.946 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116740.D
 Acq: 1 Sep 2019 14:10

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-C-(0-1.9)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	15.1	10.2	15.4

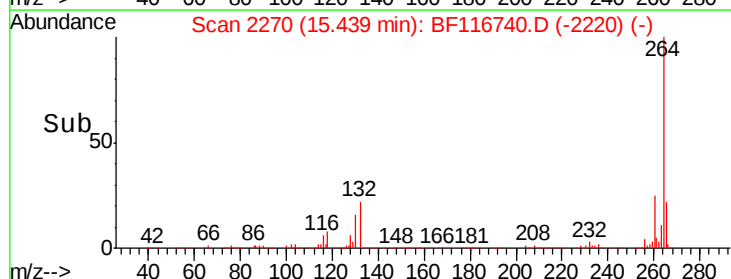
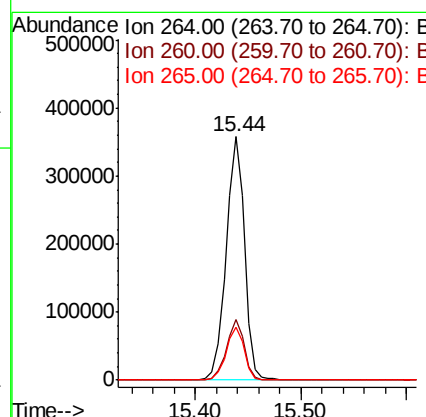
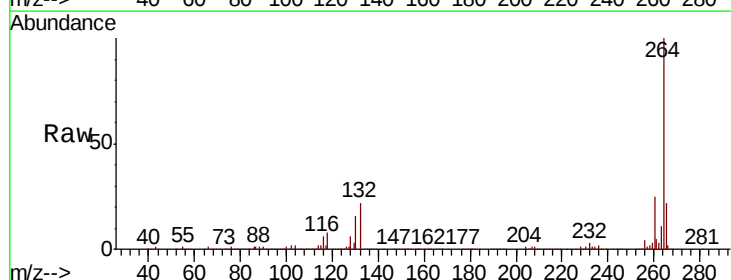
Manual Integrations
 APPROVED

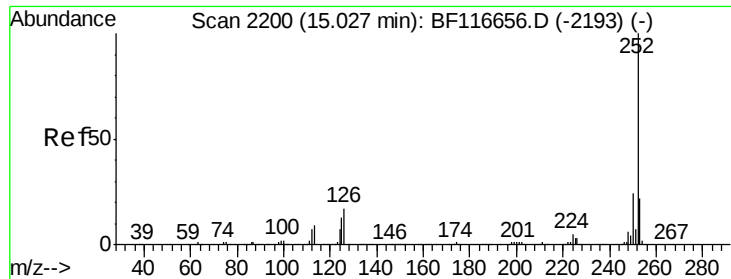
mohammad
 9/5/2019 9:54:14 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF116740.D
 Acq: 1 Sep 2019 14:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.3	27.5
265	21.9	16.5	24.7





#88
 Benzo(b)fluoranthene
 Concen: 2.379 ng/mL
 RT: 15.02 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BF116740.D
 Acq: 1 Sep 2019 14:10

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-C-(0-1.9)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	14.3	8.2	12.2

Manual Integrations
 APPROVED

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