

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116760.D
 Acq On : 1 Sep 2019 23:14
 Operator : HP/JU
 Sample : K4095-13 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-082819

Manual Integrations
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 9/5/2019 9:55:07 AM

Quant Time: Sep 02 07:03:25 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	93373	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	404532	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	229259	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	399649	20.00	ng	0.00
76) Chrysene-d12	13.99	240	260777	20.00	ng	0.00
87) Perylene-d12	15.44	264	235305	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	184547	32.02	ng	0.00
7) Phenol-d6	6.47	99	258646	34.18	ng	-0.01
23) Nitrobenzene-d5	7.40	82	139873	19.74	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	47615	31.07	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	301784	22.21	ng	-0.01
79) Terphenyl-d14	12.94	244	315184	22.36	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.59	163	52063	3.289	ng	98
71) Phenanthrene	11.39	178	194898	8.761	ng	99
72) Anthracene	11.43	178	63331	2.828	ng	98
75) Fluoranthene	12.57	202	313810	14.353	ng	99
78) Pyrene	12.80	202	298709	12.886	ng	99
81) Benzo(a)anthracene	13.98	228	146891	8.900	ng	98
83) Chrysene	14.02	228	131415	7.729	ng	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	42435	3.107	ng	95
88) Benzo(b)fluoranthene	15.02	252	134037m	9.422	ng	
89) Benzo(k)fluoranthene	15.05	252	50053m	3.859	ng	
90) Benzo(a)pyrene	15.39	252	91565	7.398	ng	# 96
92) Benzo(a,h,i)perylene	17.33	276	44120	3.993	ng	# 93

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

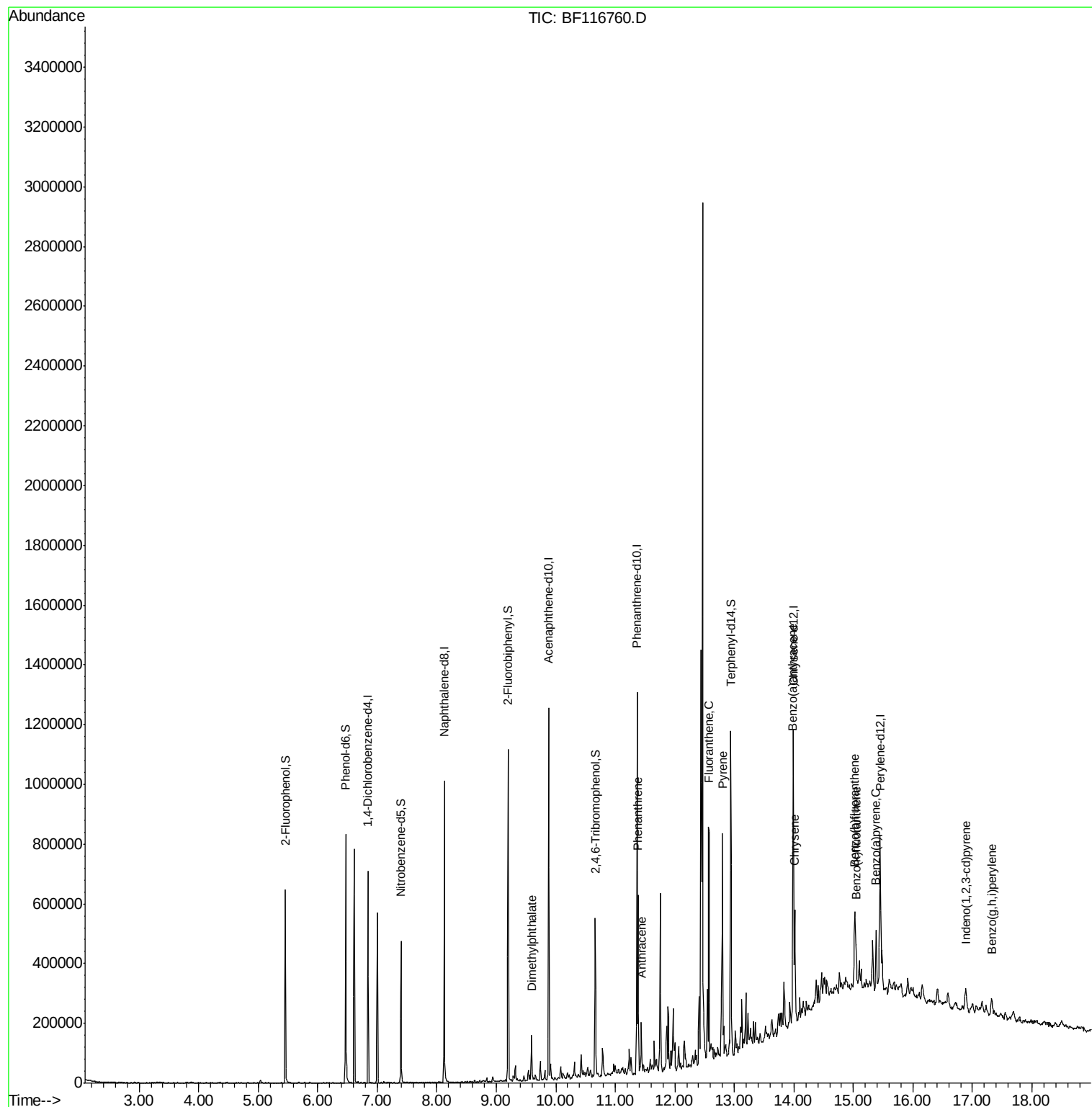
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116760.D
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ALS Vial : 23 Sample Multiplier: 1

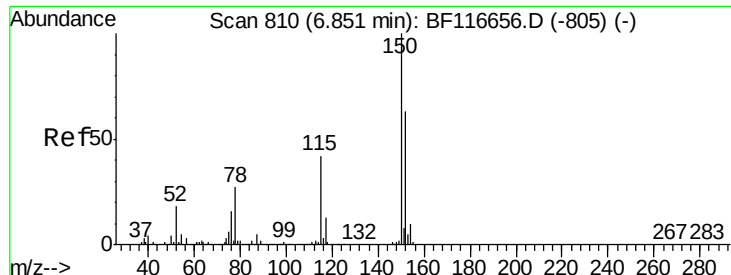
Instrument :
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#1

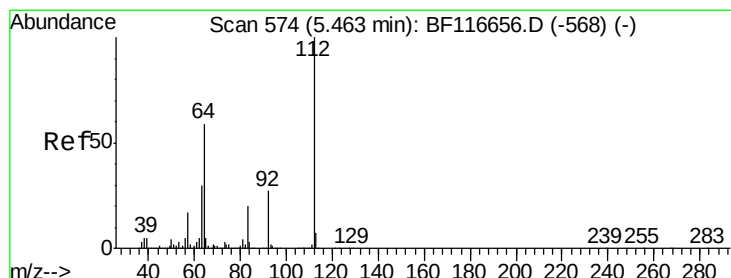
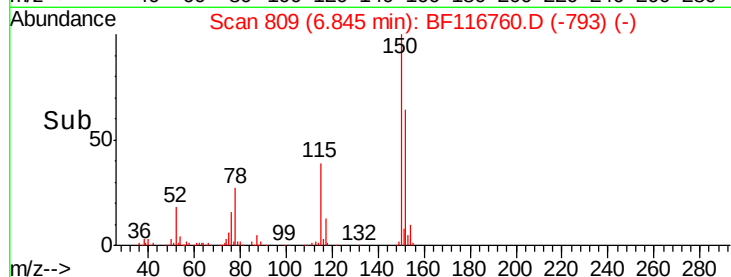
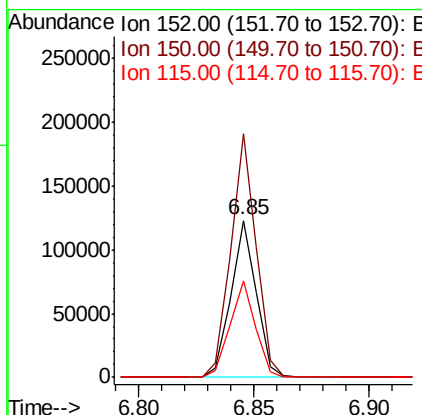
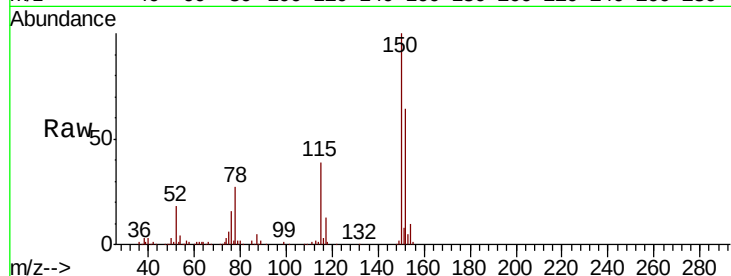
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
SU-01-082819

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.4	186.6
115	61.1	49.9	74.9

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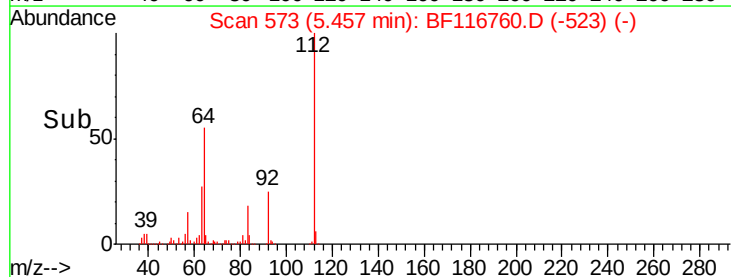
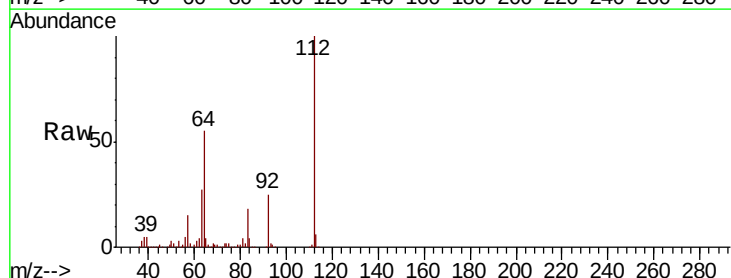
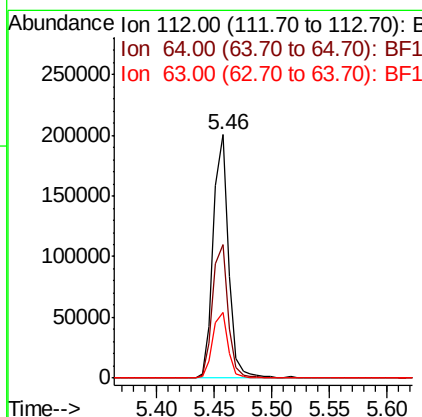
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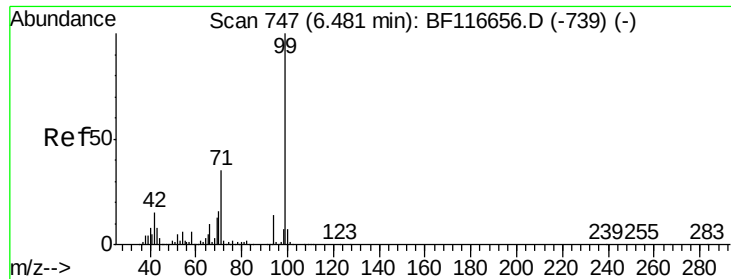


#5

2-Fluorophenol
Concen: 32.020 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	47.1	70.7
63	27.0	24.9	37.3





#7

Phenol-d6

Concen: 34.175 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

Instrument :

BNA_F

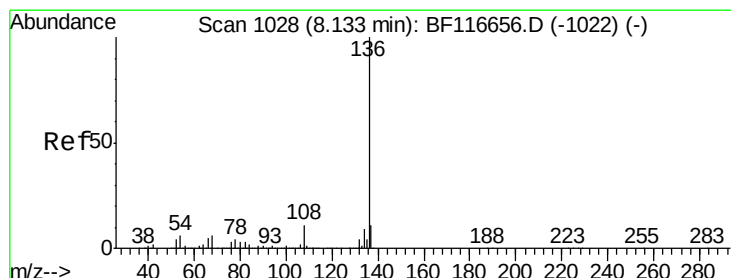
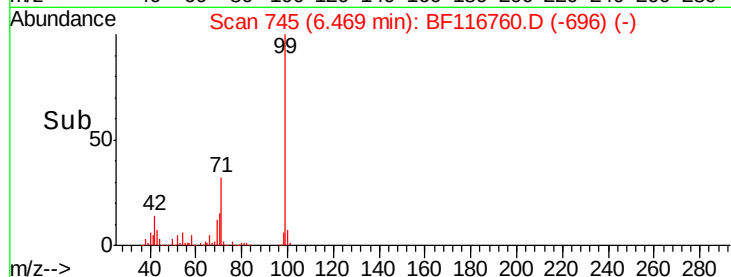
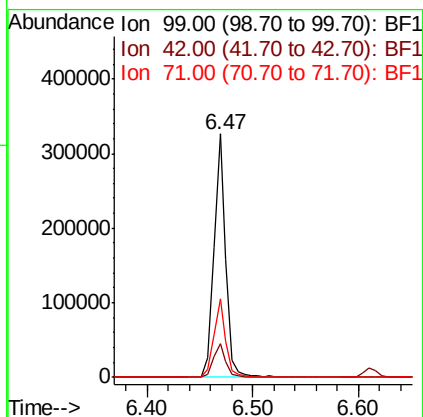
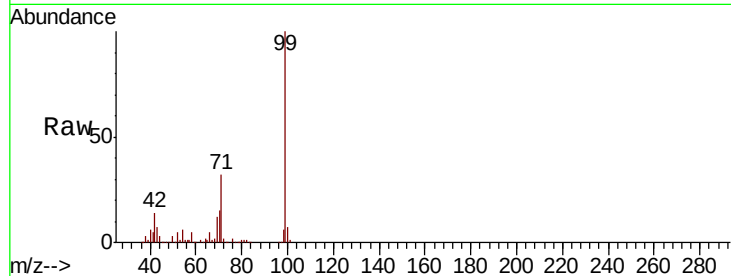
ClientSampleId :

SU-01-082819

Tot Ion:	99	Resp:	258646
Ion Ratio	Lower	Upper	
99	100		
42	14.0	13.7	20.5
71	32.4	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

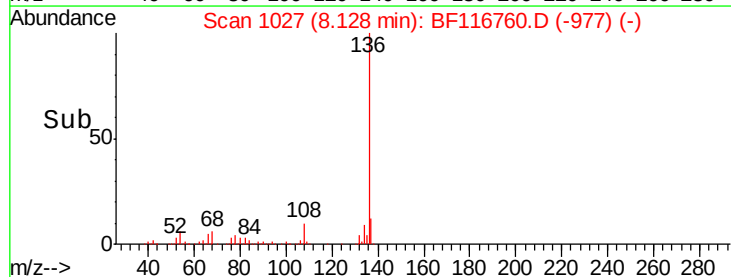
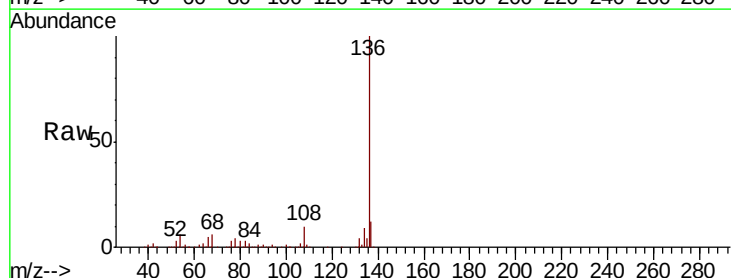
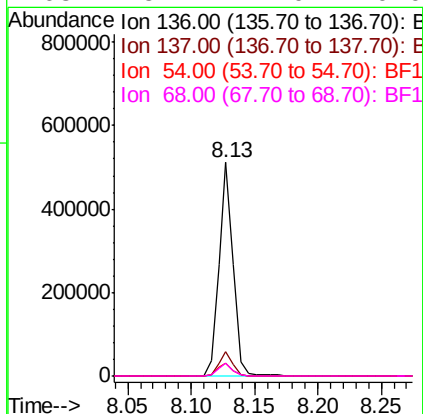
RT: 8.13 min Scan# 1027

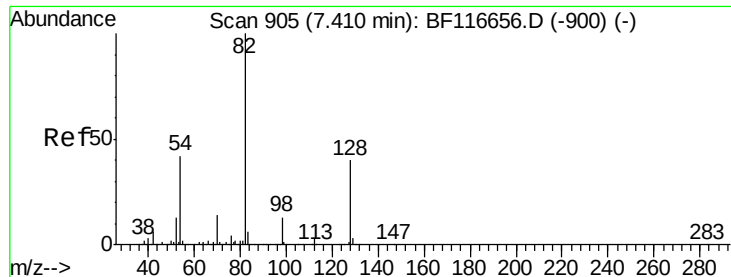
Delta R.T. -0.01 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

Tgt Ion:	136	Resp:	404532
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.9	13.3
54	6.2	4.8	7.2
68	5.7	4.0	6.0





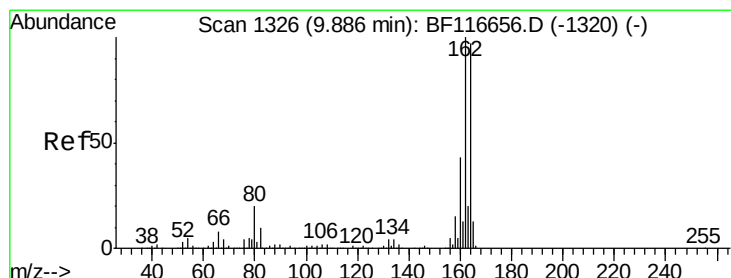
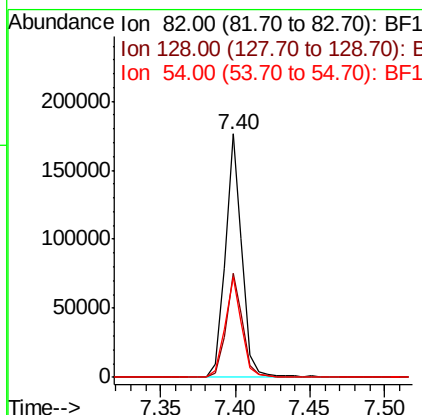
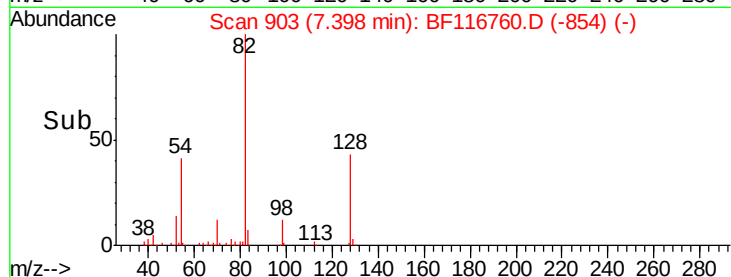
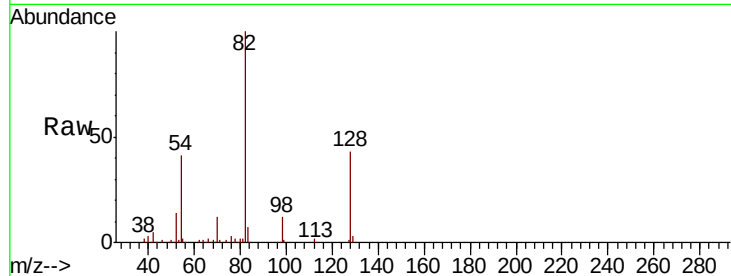
#23
 Nitrobenzene-d5
 Concen: 19.739 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF116760.D
 Acq: 1 Sep 2019 23:14

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-082819

Tot Ion	82	Resp	139873
Ion Ratio	Lower	Upper	
82	100		
128	42.6	32.8	49.2
54	41.3	36.9	55.3

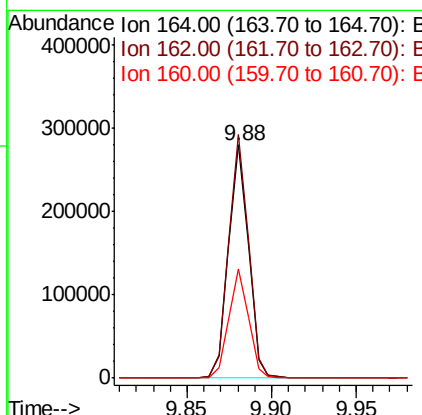
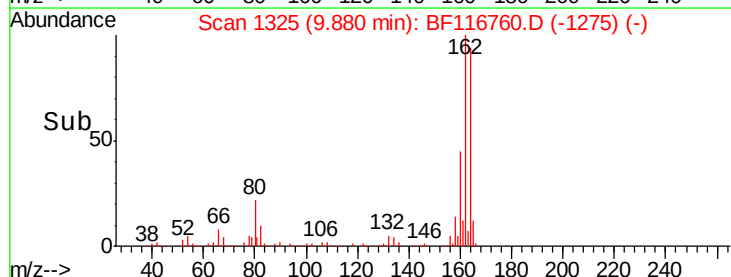
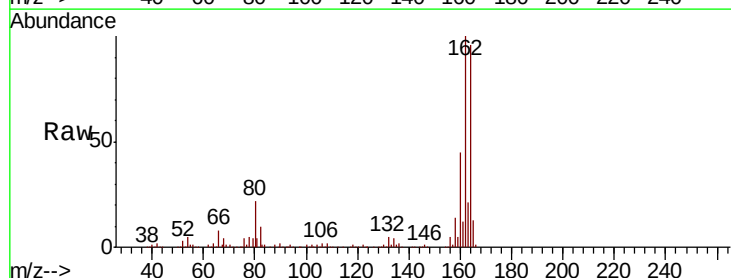
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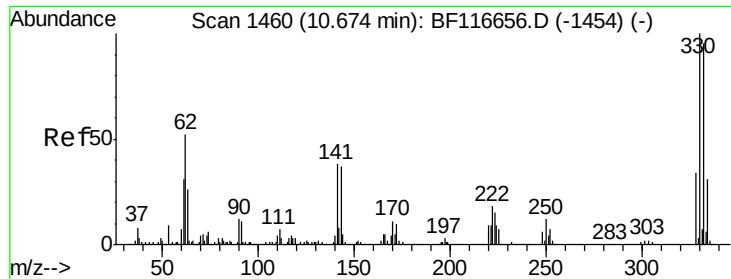
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF116760.D
 Acq: 1 Sep 2019 23:14

Tgt Ion	164	Resp	229259
Ion Ratio	Lower	Upper	
164	100		
162	104.5	81.4	122.0
160	46.9	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 31.067 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

Instrument :

BNA_F

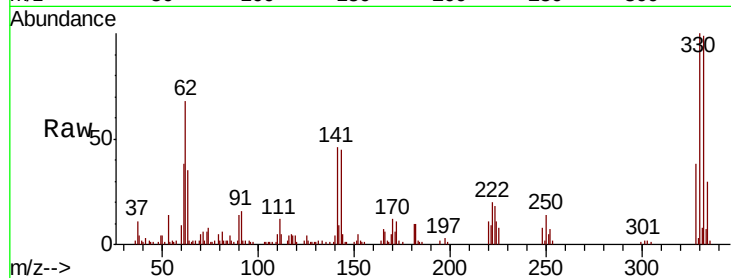
ClientSampleId :

SU-01-082819

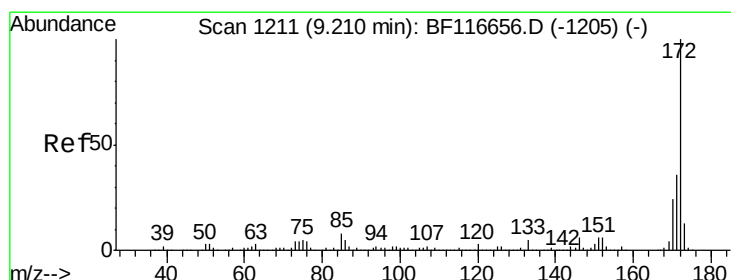
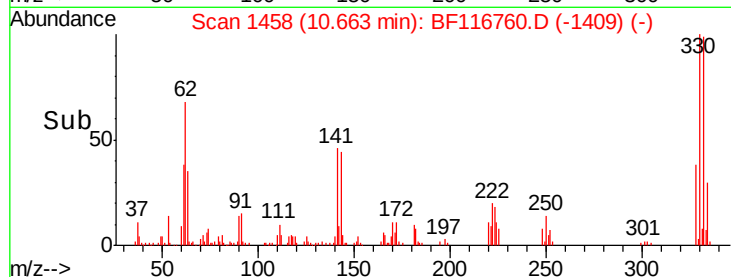
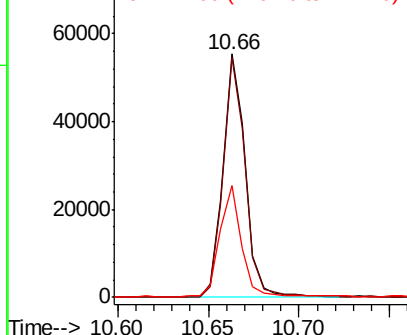
Tot Ion:	330	Resp:	47615
Ion Ratio	Lower	Upper	
330	100		
332	97.5	76.9	115.3
141	46.4	31.4	47.2

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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: 22.205 ng

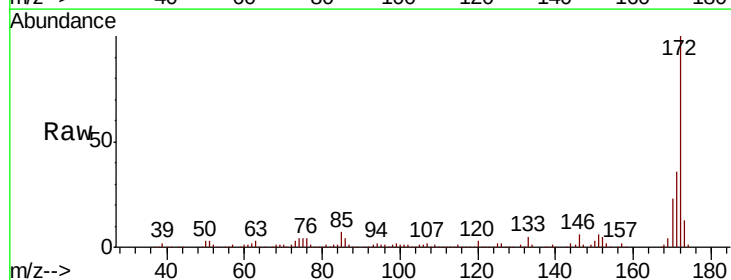
RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

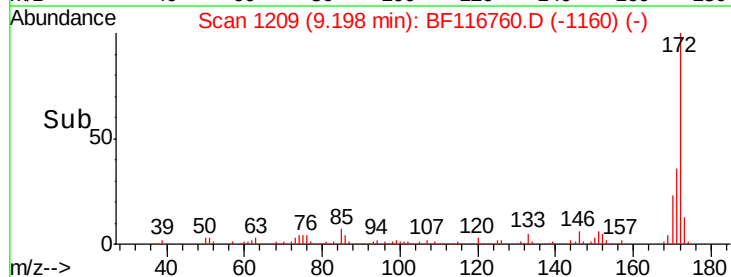
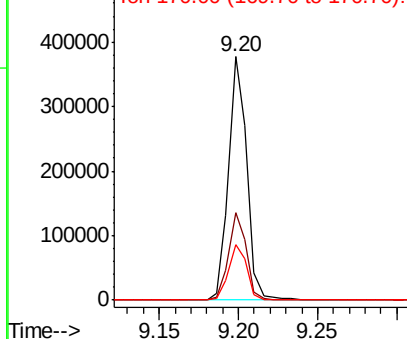
Lab File: BF116760.D

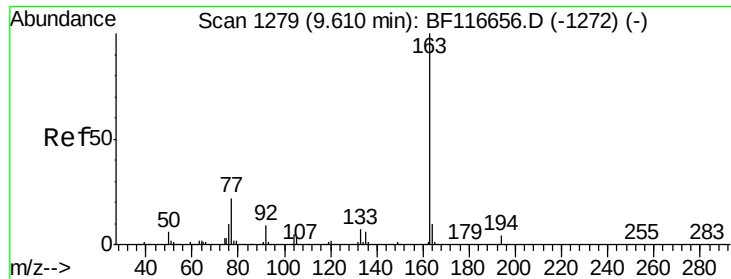
Acq: 1 Sep 2019 23:14

Tgt Ion:	172	Resp:	301784
Ion Ratio	Lower	Upper	
172	100		
171	35.7	27.8	41.6
170	23.0	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





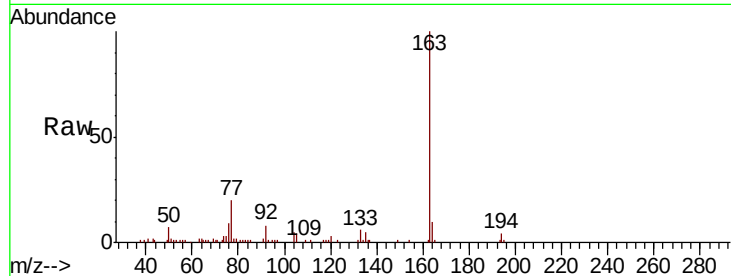
#50
Dimethylphthalate
Concen: 3.289 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
SU-01-082819

Tot Ion	Ratio	Resp	Lower	Upper
163	100	52063		
194	3.6		2.8	4.2
164	10.0		8.6	12.8

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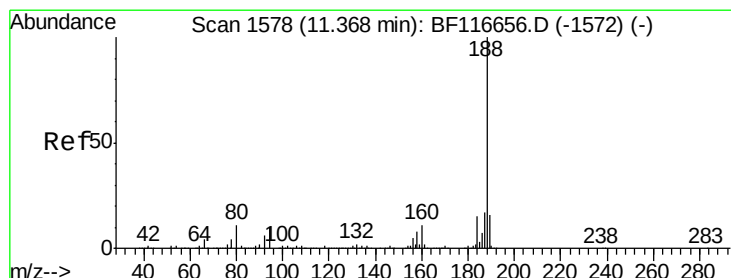
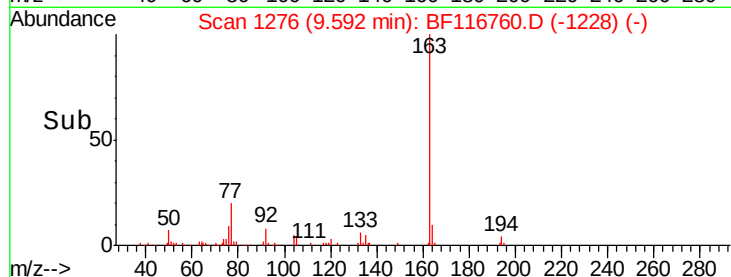
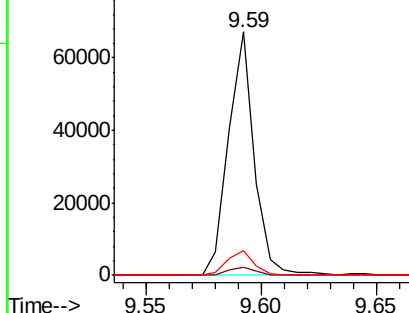


Abundance

Ion 163.00 (162.70 to 163.70): E

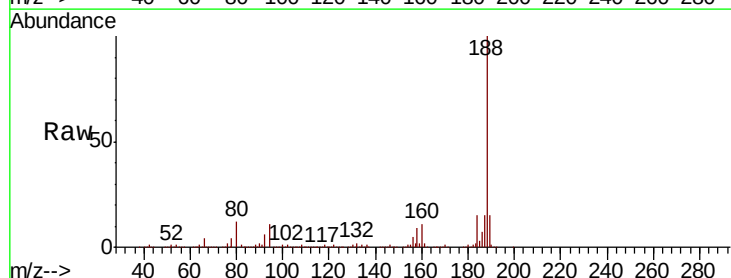
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	399649		
94	10.9		7.3	10.9
80	11.9		8.4	12.6

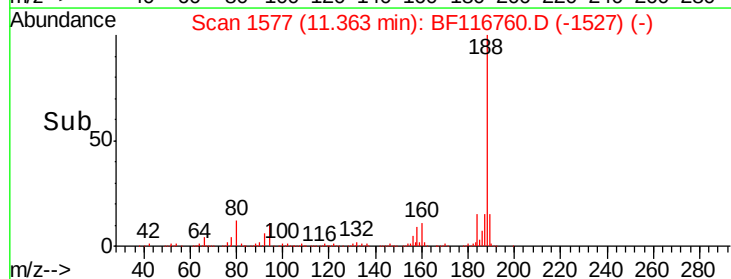
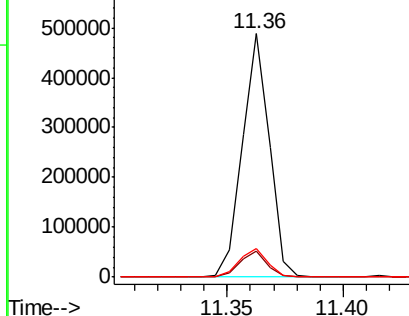


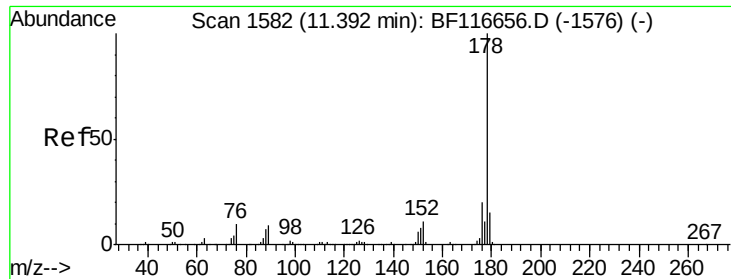
Abundance

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





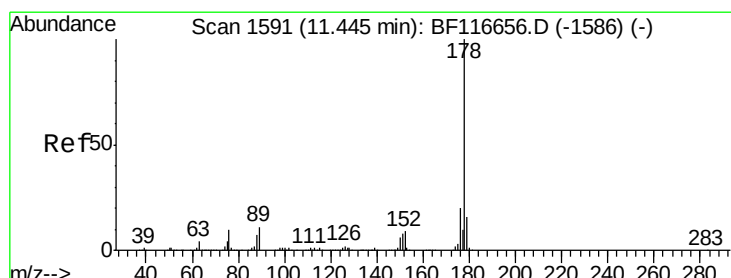
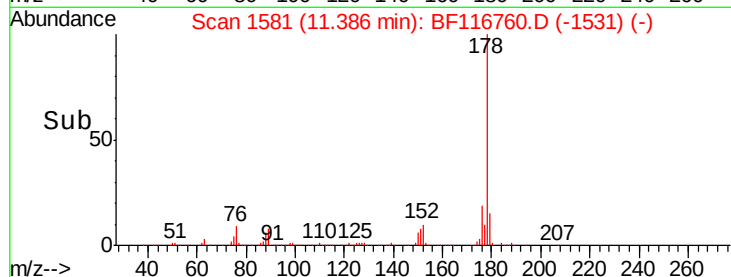
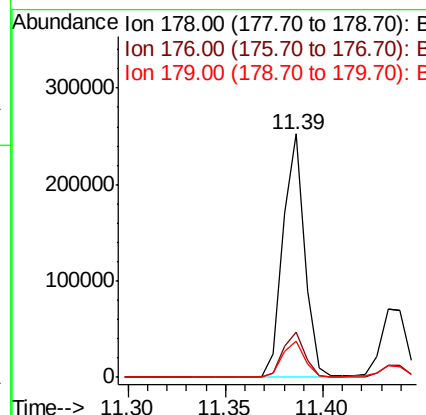
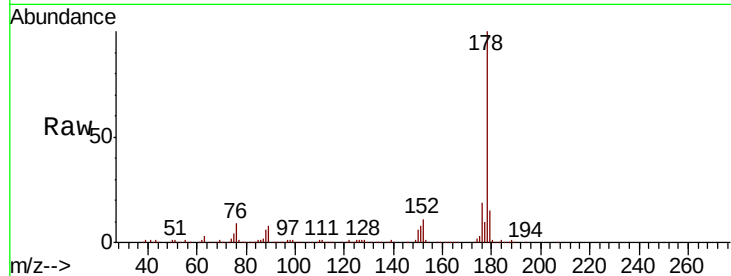
#71
Phenanthrene
Concen: 8.761 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
SU-01-082819

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.1	12.2	18.2

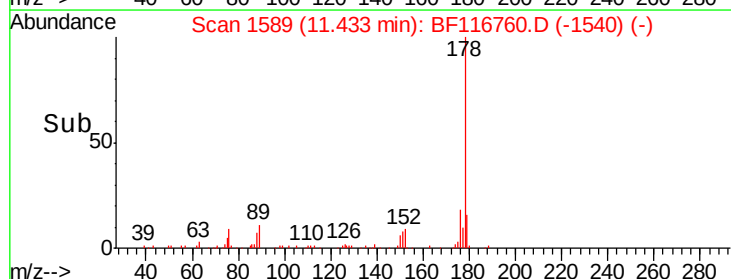
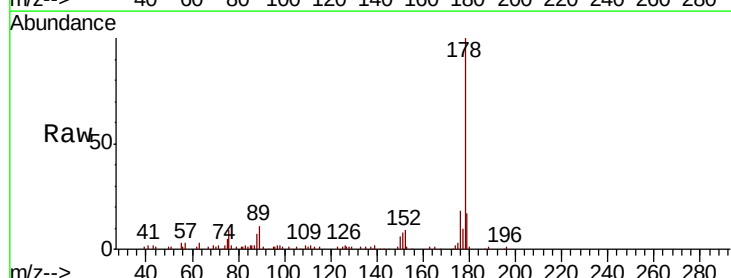
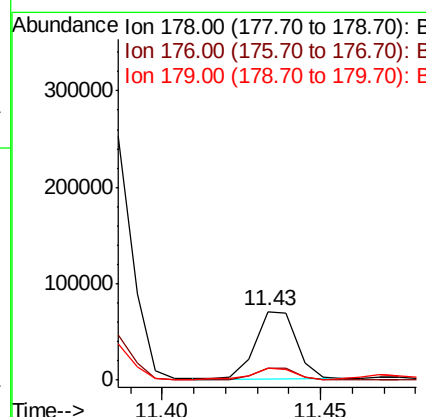
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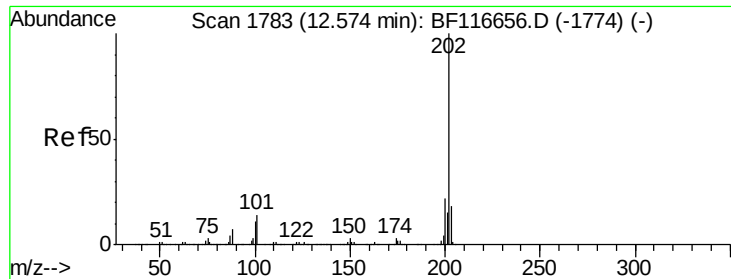
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#72
Anthracene
Concen: 2.828 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	16.6	12.5	18.7





#75

Fluoranthene

Concen: 14.353 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116760.D

Acq: 1 Sep 2019 23:14

Instrument :

BNA_F

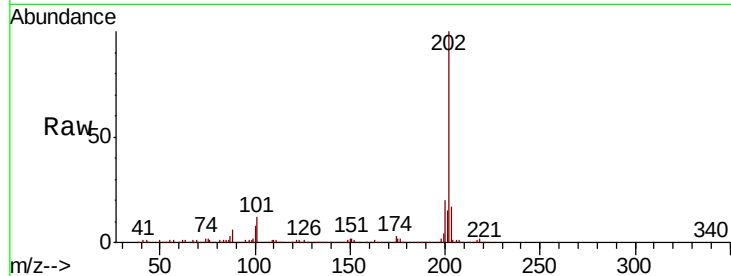
ClientSampleId :

SU-01-082819

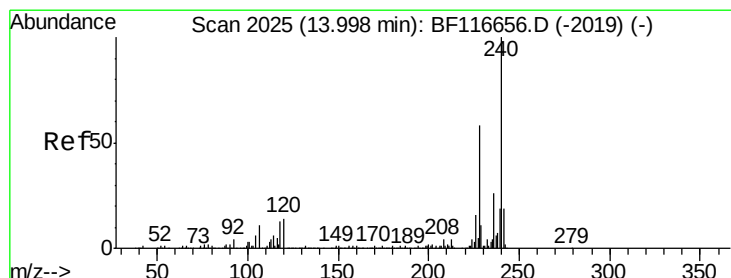
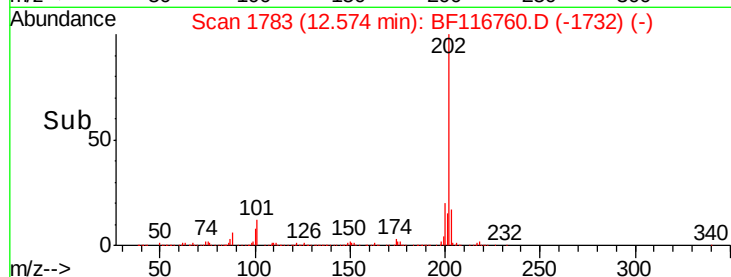
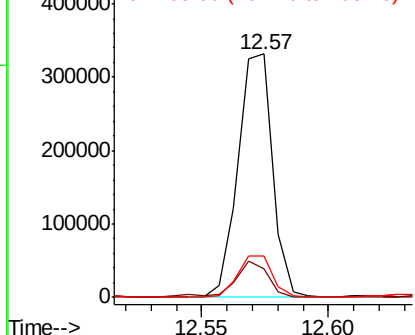
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		313810		
101	12.0	0.0	31.3		
203	17.2	0.0	37.6		

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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

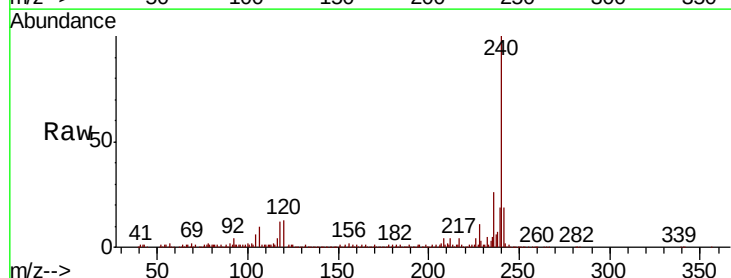
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

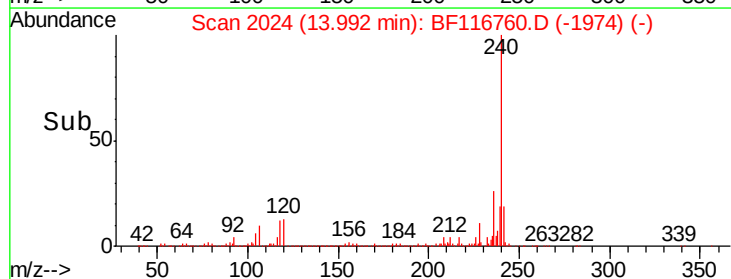
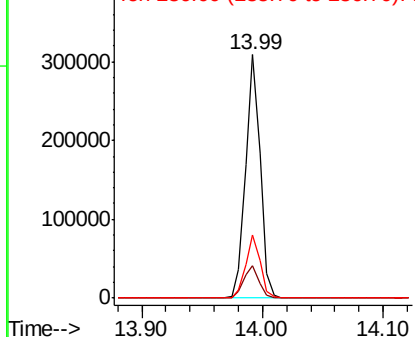
Lab File: BF116760.D

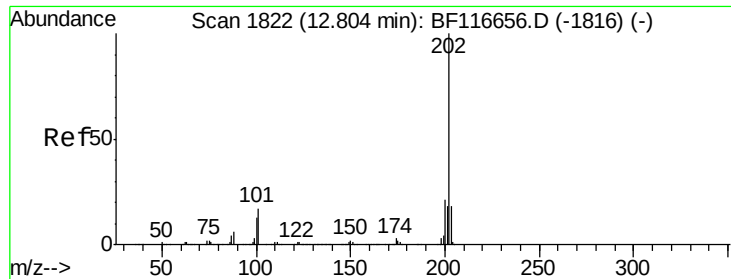
Acq: 1 Sep 2019 23:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		260777		
120	13.4	9.1	13.7		
236	25.9	21.1	31.7		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





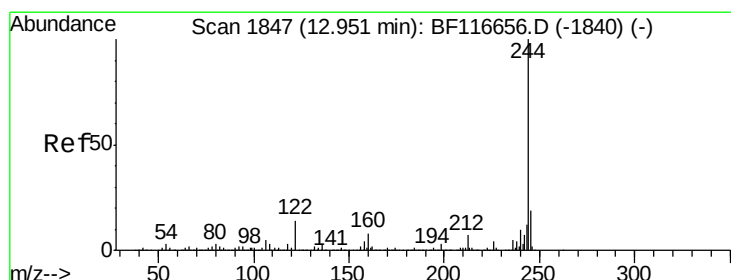
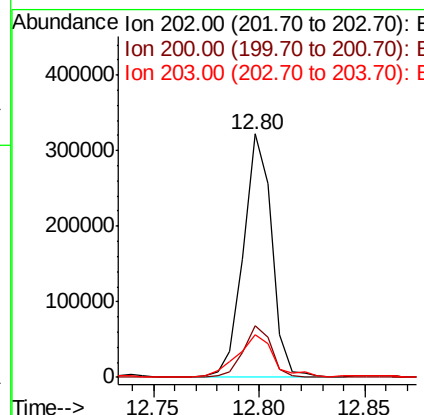
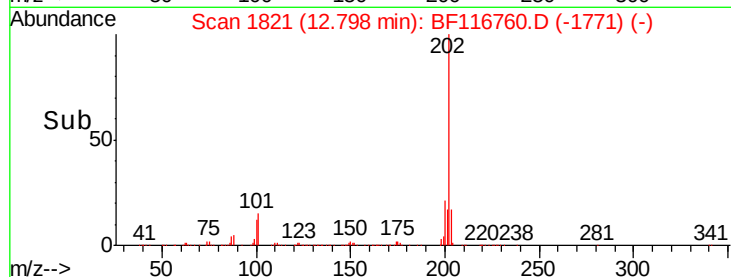
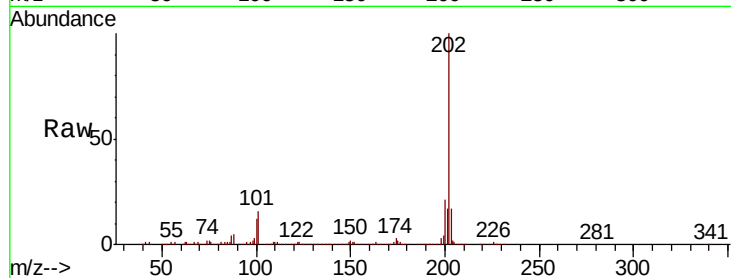
#78
Pvrene
Concen: 12.886 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
SU-01-082819

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	16.5	24.7
203	17.5	13.7	20.5

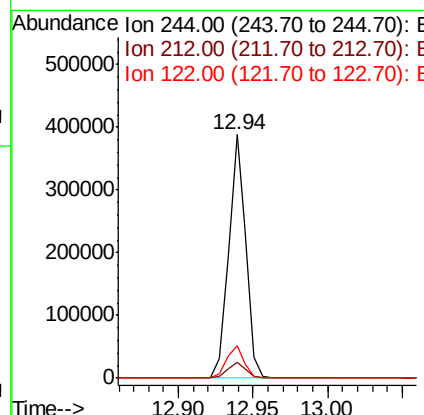
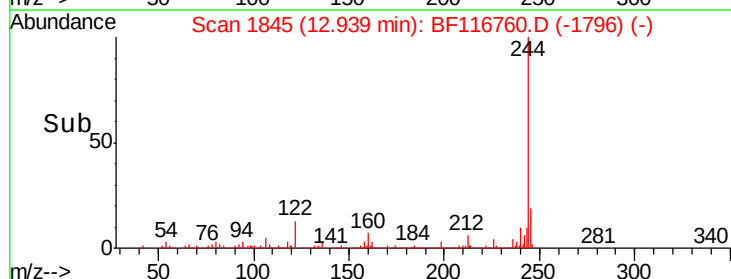
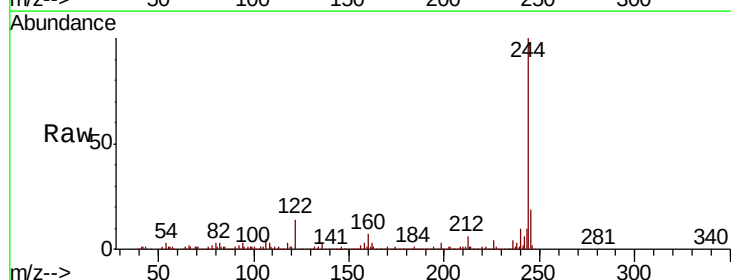
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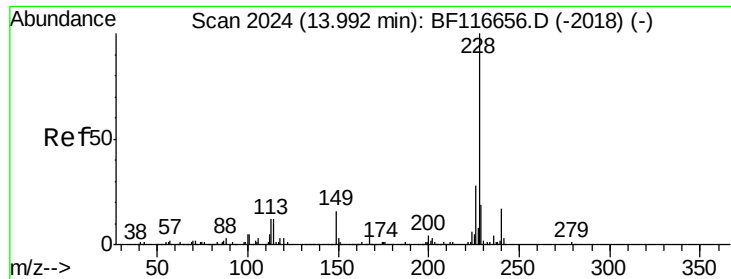
mohammad
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#79
Terphenyl-d14
Concen: 22.359 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.3	6.1	9.1
122	13.5	10.2	15.4





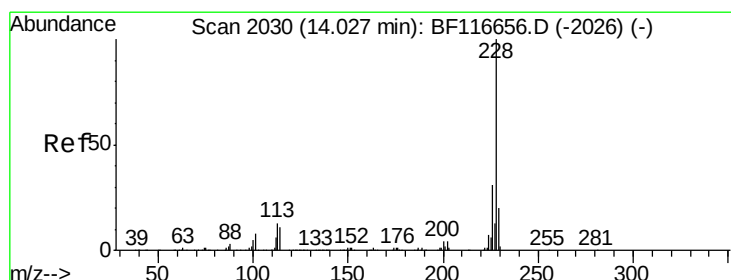
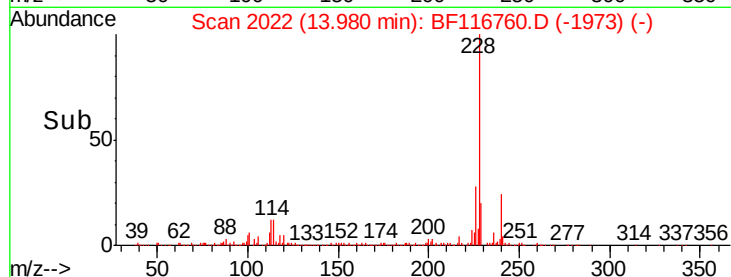
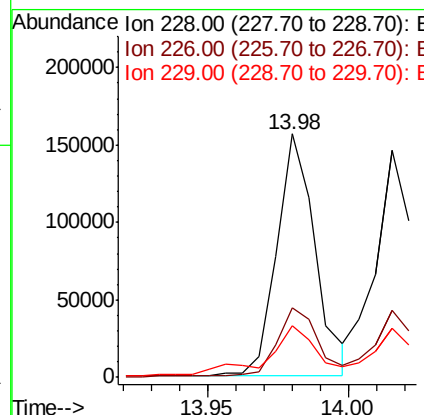
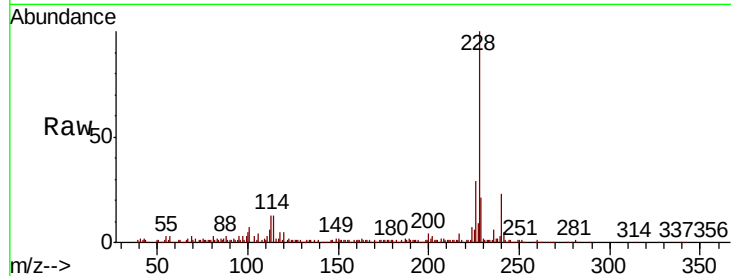
#81
Benzo(a)anthracene
Concen: 8.900 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
SU-01-082819

Tot Ion	Ratio	Resp	Lower	Upper
228	100	146891		
226	28.6		22.0	33.0
229	21.1		16.4	24.6

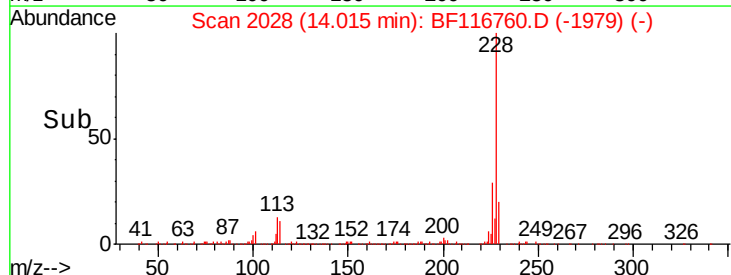
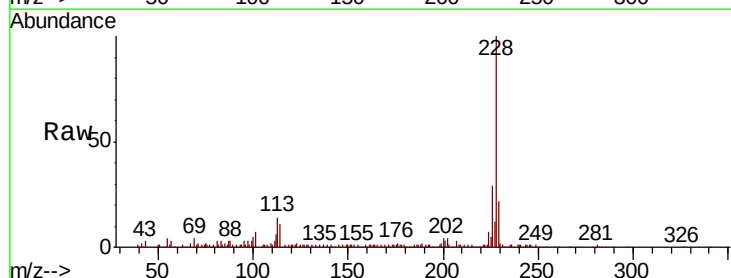
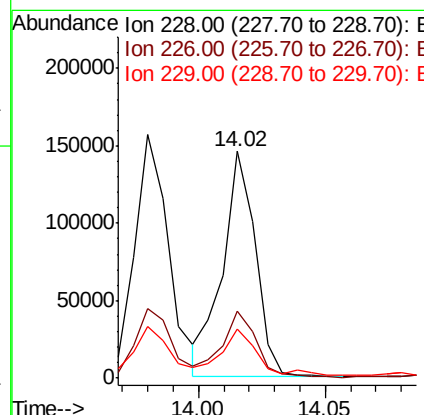
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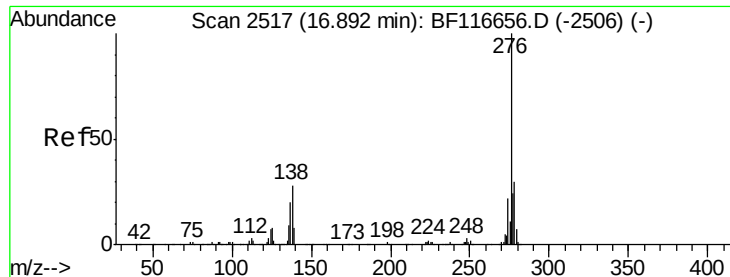
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#83
Chrysene
Concen: 7.729 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	131415		
226	29.5		24.0	36.0
229	21.7		15.4	23.0





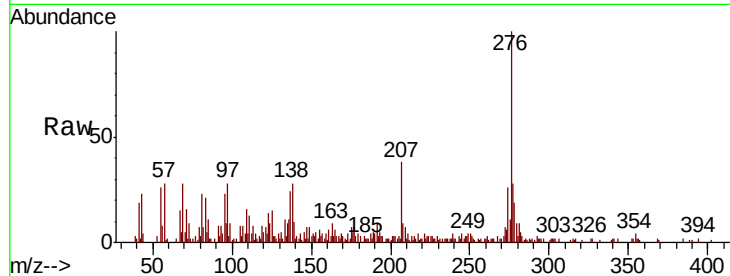
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.107 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
SU-01-082819

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.9	19.4	29.2
277	27.4	20.5	30.7

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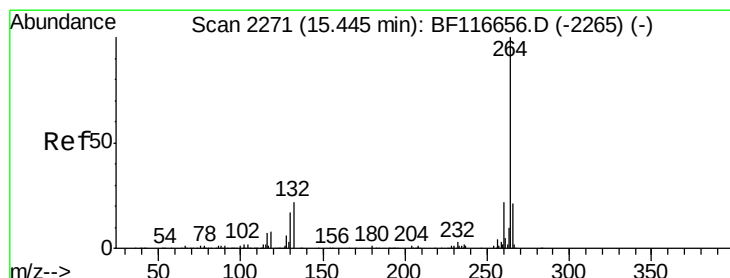
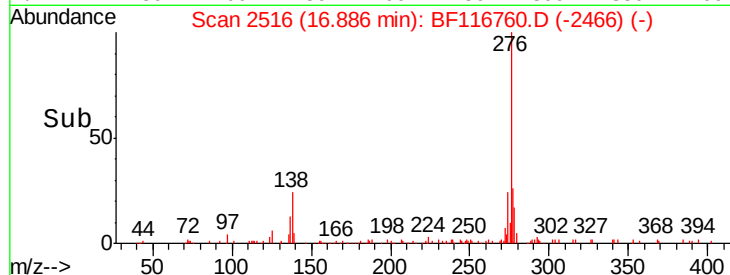
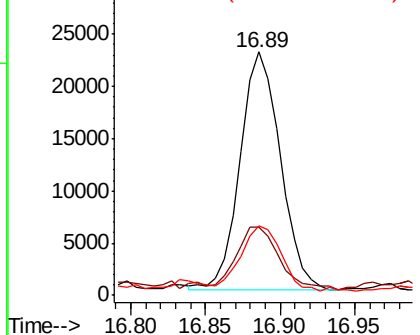


Abundance

Ion 276.00 (275.70 to 276.70): E

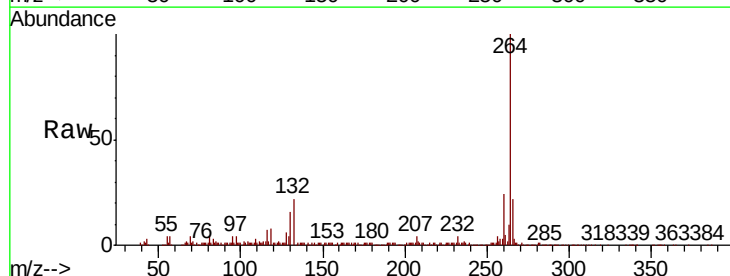
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	22.4	16.5	24.7

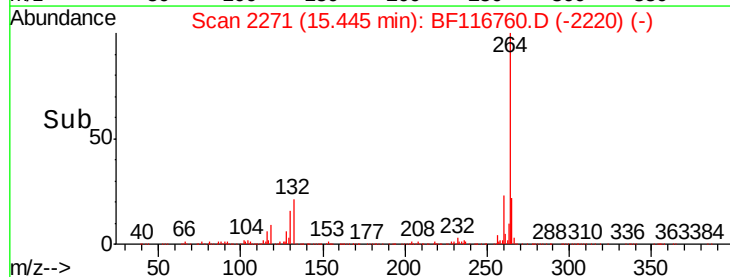
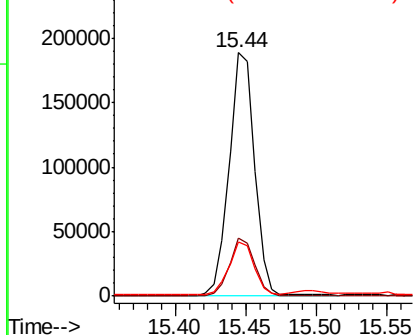


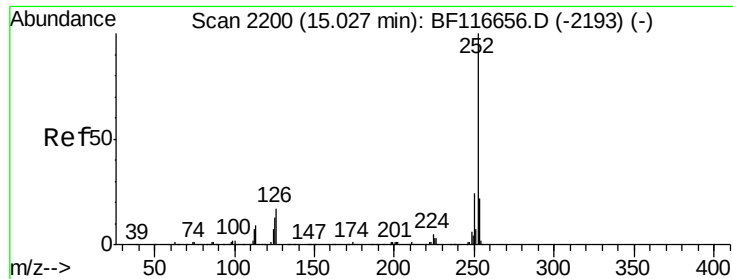
Abundance

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





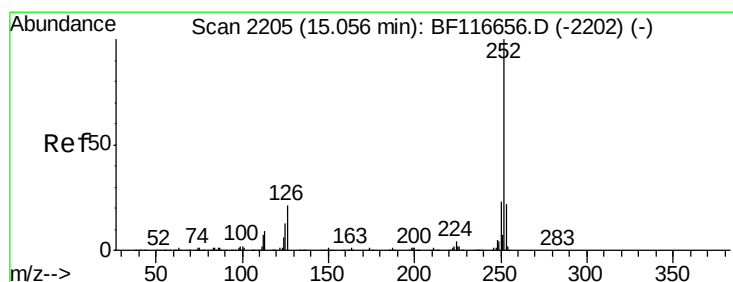
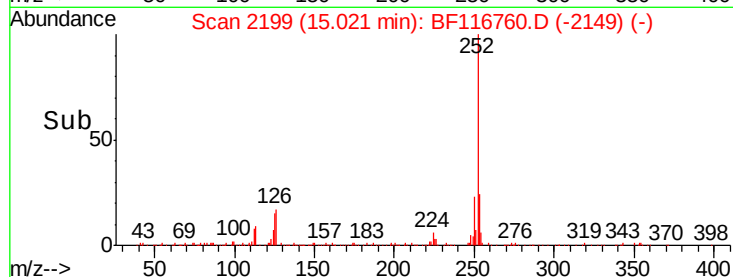
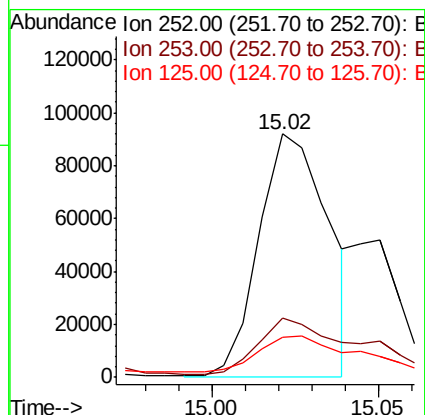
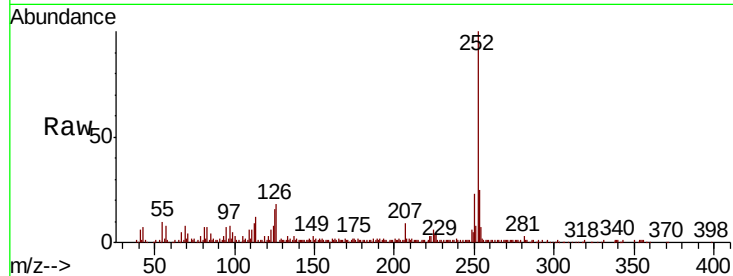
#88
Benzo(b)fluoranthene
Concen: 9.422 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
SU-01-082819

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.7	26.5
125	16.3	8.2	12.2

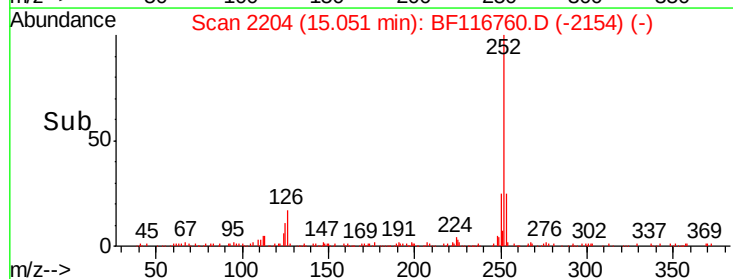
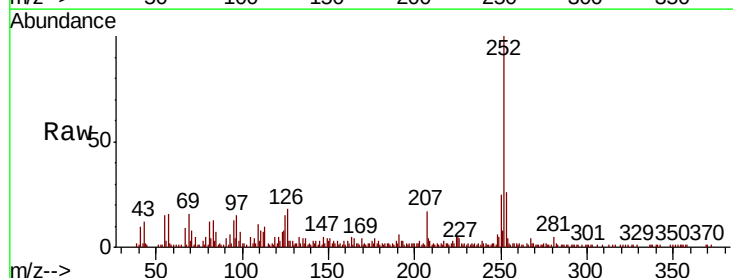
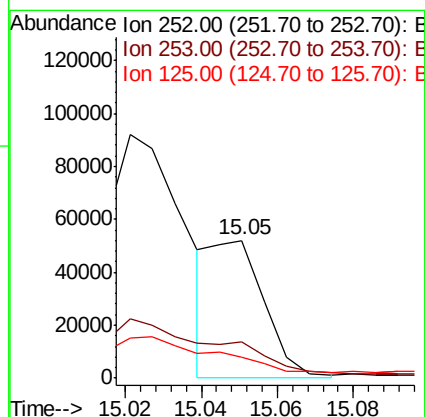
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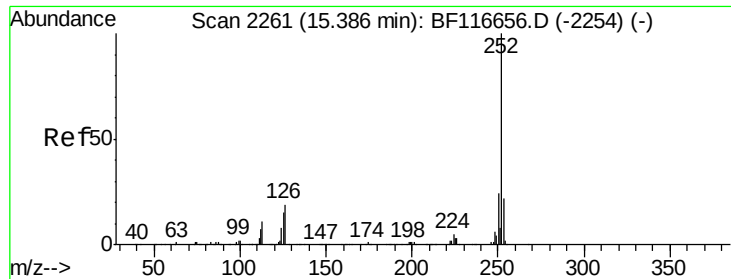
mohammad
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#89
Benzo(k)fluoranthene
Concen: 3.859 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.7	26.5
125	15.1	8.6	13.0





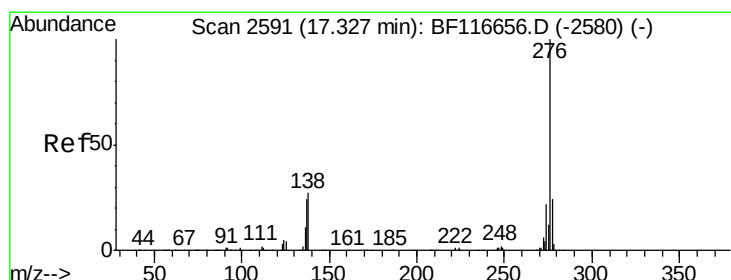
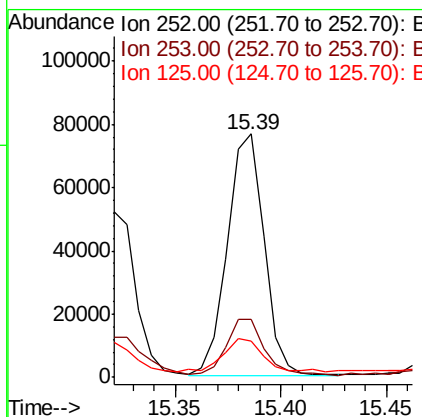
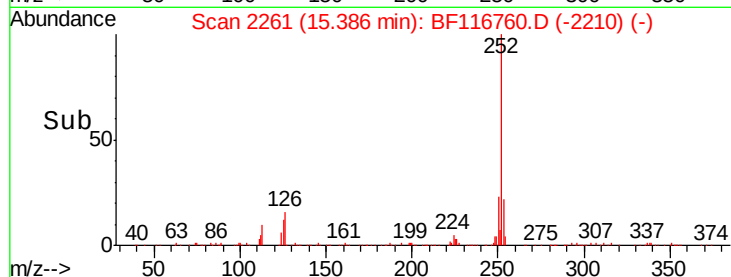
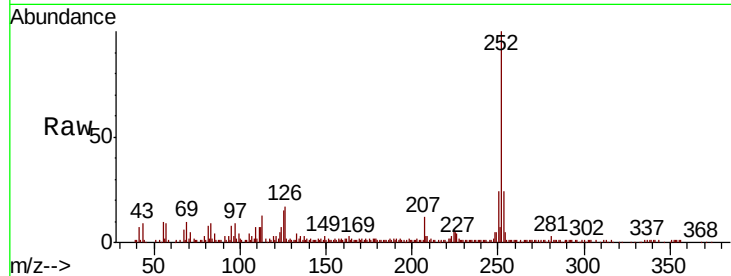
#90
Benzo(a)pyrene
Concen: 7.398 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Instrument :
BNA_F
ClientSampleId :
SU-01-082819

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	15.1	9.8	14.8

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.993 ng
RT: 17.33 min Scan# 2591
Delta R.T. 0.00 min
Lab File: BF116760.D
Acq: 1 Sep 2019 23:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.7	18.5	27.7
138	25.8	16.2	24.2

