

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116690.D
 Acq On : 31 Aug 2019 11:08
 Operator : HP/JU
 Sample : K4517-15
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-C

Manual Integrations
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mohammad
 9/5/2019 9:23:09 AM

Quant Time: Aug 31 17:19:32 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	104168	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	407722	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	214281	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	359298	20.00	ng	0.00
76) Chrysene-d12	13.99	240	290453	20.00	ng	0.00
87) Perylene-d12	15.44	264	268392	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	833392	129.61	ng	0.00
7) Phenol-d6	6.47	99	1169581	138.52	ng	0.00
23) Nitrobenzene-d5	7.40	82	746499	104.52	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	207215	144.65	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	894110	70.39	ng	0.00
79) Terphenyl-d14	12.95	244	934131	59.50	ng	0.00
Target Compounds						
10) Phenol	6.49	94	44746	4.786	ng	94
50) Dimethylphthalate	9.59	163	134808	9.112	ng	98
71) Phenanthrene	11.39	178	290410	14.520	ng	100
72) Anthracene	11.43	178	49838	2.475	ng	98
75) Fluoranthene	12.57	202	419729	21.354	ng	97
78) Pyrene	12.80	202	350521	13.576	ng	99
81) Benzo(a)anthracene	13.98	228	175108	9.526	ng	99
83) Chrysene	14.02	228	165289	8.728	ng	97
86) Indeno(1,2,3-cd)pyrene	16.87	276	62701	4.122	ng	97
88) Benzo(b)fluoranthene	15.02	252	167124m	10.299	ng	
89) Benzo(k)fluoranthene	15.04	252	50776m	3.432	ng	
90) Benzo(a)pyrene	15.38	252	104467	7.400	ng	97
92) Benzo(a,h,i)perylene	17.31	276	54896	4.356	ng	# 93

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

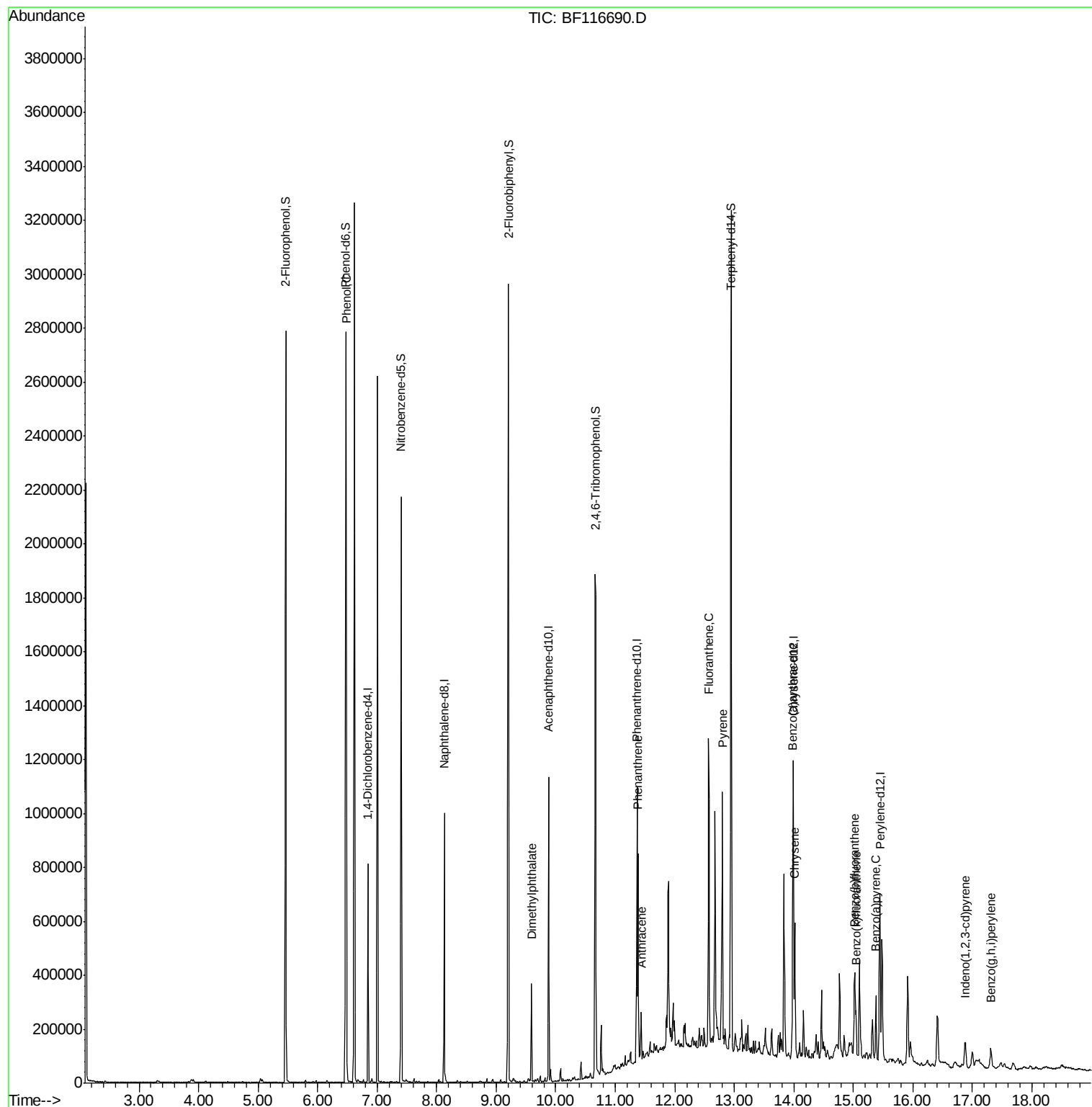
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
Data File : BF116690.D
Acq On : 31 Aug 2019 11:08
Operator : HP/JU
Sample : K4517-15
Misc :
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Instrument :
BNA_F
ClientSampled :
T4-S-C

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#1

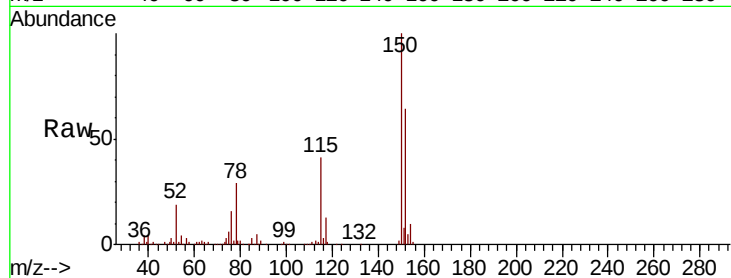
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Instrument :
BNA_F
ClientSampleId :
T4-S-C

Tot Ion	Ratio	Resp	Lower	Upper
152	100	104168		
150	156.3	124.4	186.6	
115	64.7	49.9	74.9	

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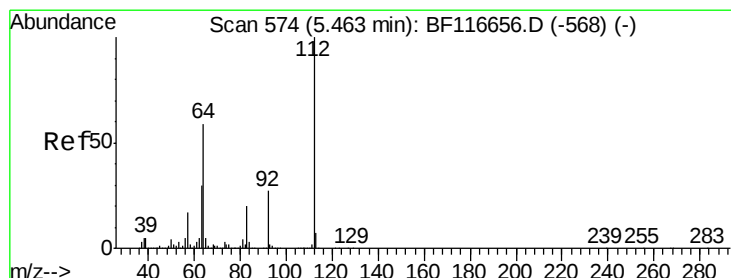
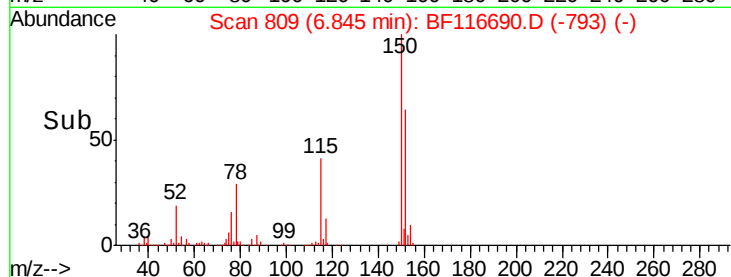
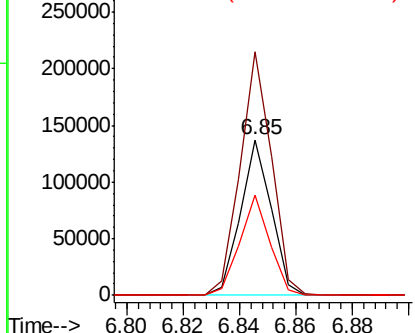


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

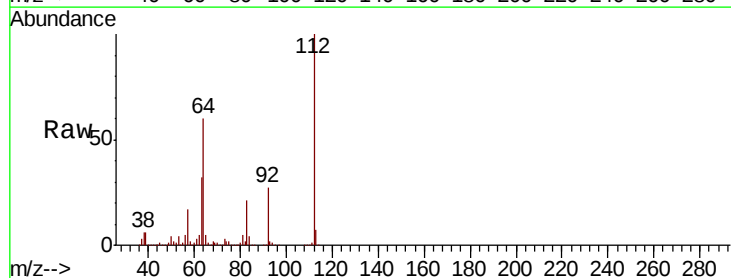
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 129.612 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	833392		
64	60.3	47.1	70.7	
63	32.1	24.9	37.3	

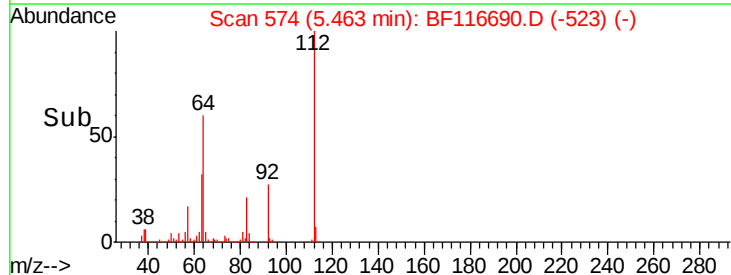
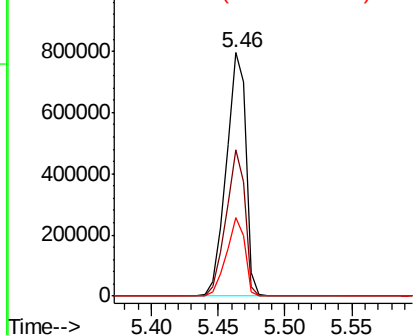


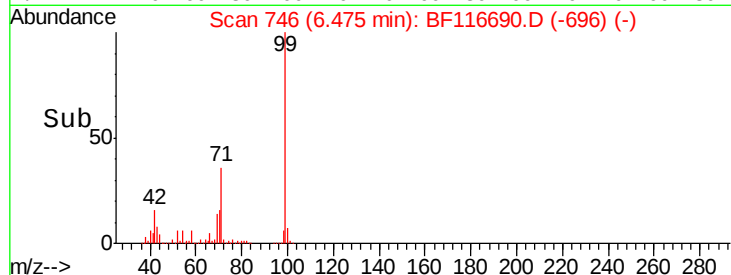
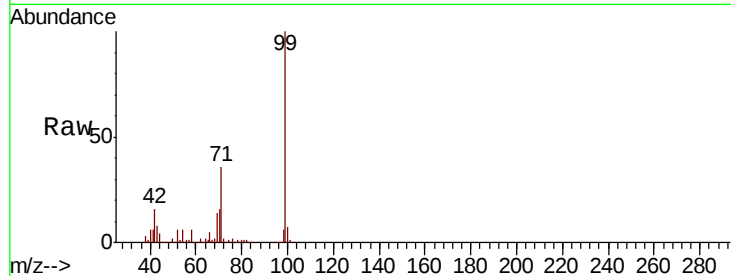
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 138.524 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

Tot Ion:	99	Resp:	1169581
Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.7	20.5
71	36.4	30.8	46.2

Instrument :

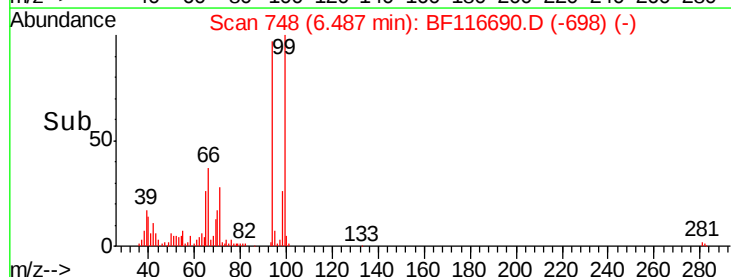
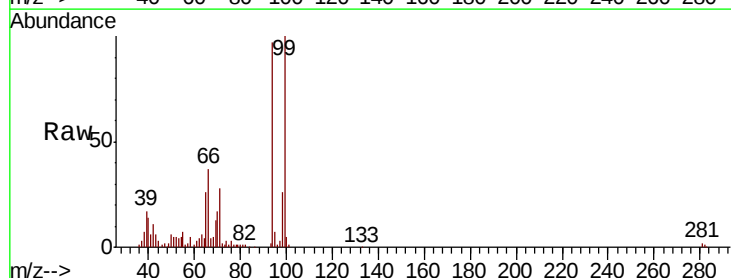
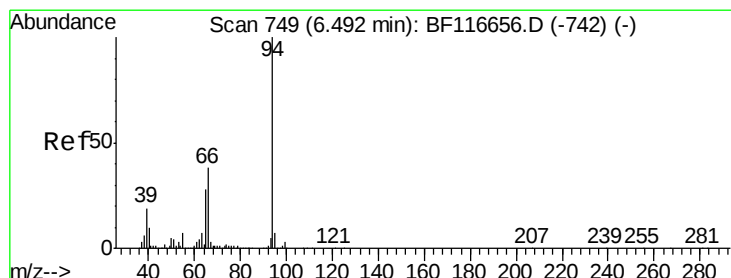
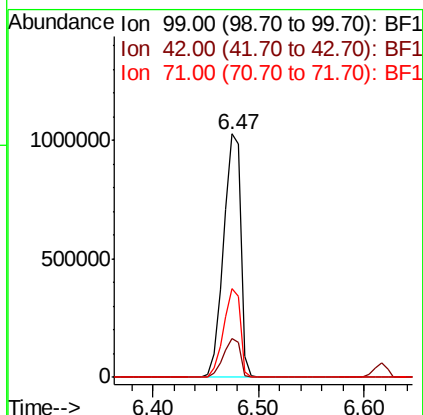
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ClientSampleId :

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#10

Phenol

Concen: 4.786 ng

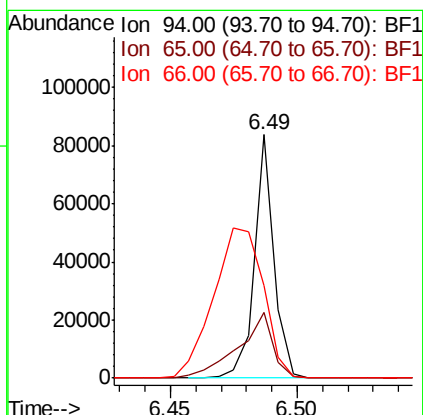
RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

Tgt Ion:	94	Resp:	44746
Ion	Ratio	Lower	Upper
94	100		
65	26.9	10.8	50.8
66	37.9	21.1	61.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

Instrument :

BNA_F

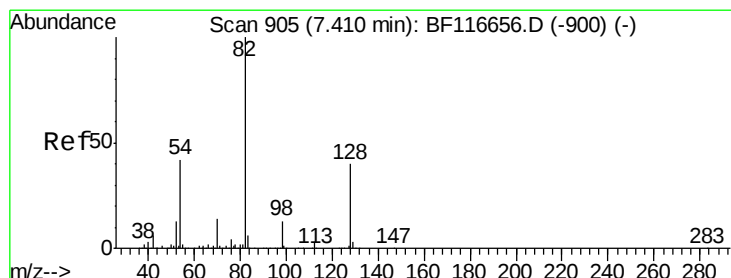
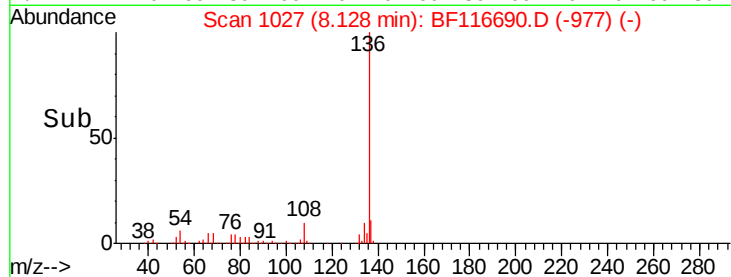
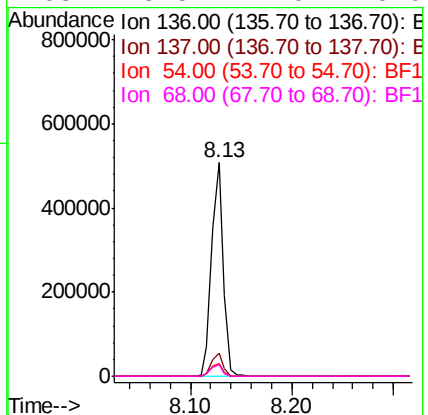
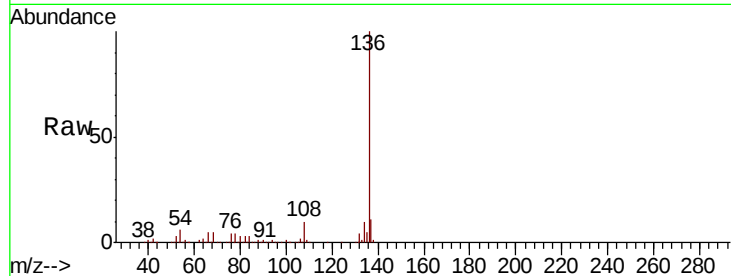
ClientSampleId :

T4-S-C

Tot Ion	Ratio	Resp	Lower	Upper
136	100	407722		
137	10.7		8.9	13.3
54	5.9		4.8	7.2
68	5.5		4.0	6.0

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#23

Nitrobenzene-d5

Concen: 104.521 ng

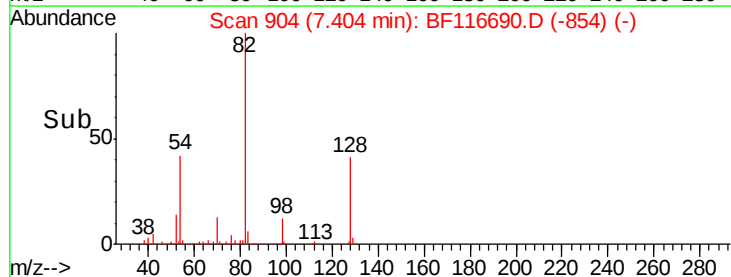
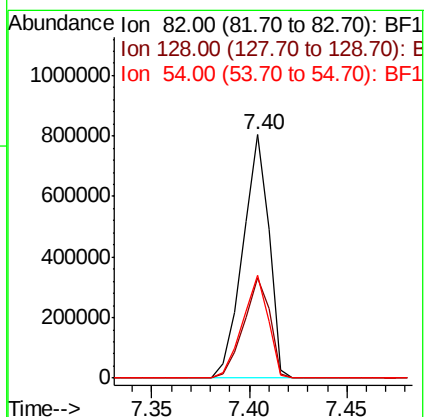
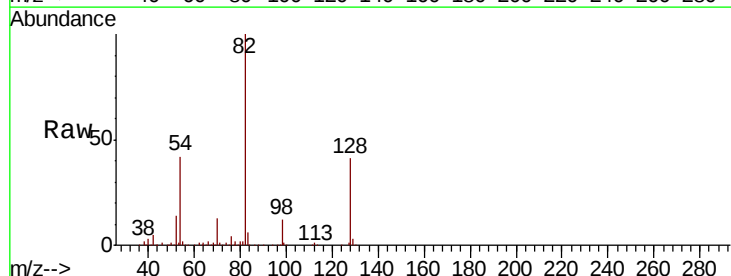
RT: 7.40 min Scan# 904

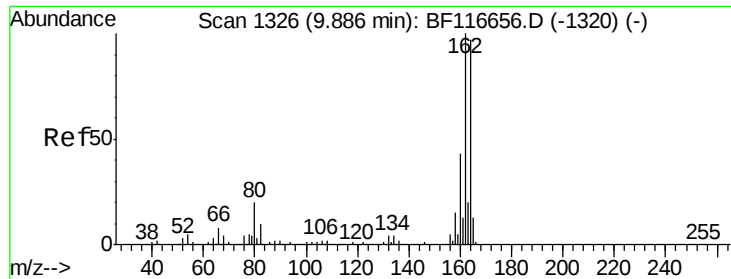
Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	746499		
128	41.0		32.8	49.2
54	42.0		36.9	55.3





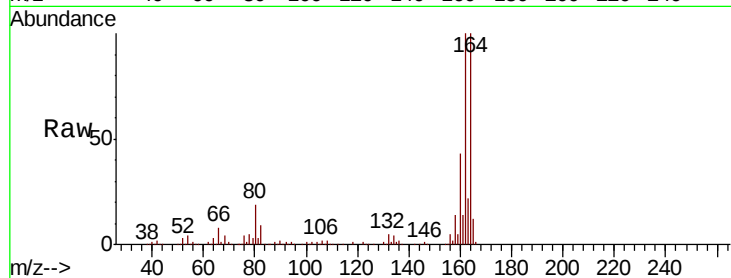
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Instrument :
BNA_F
ClientSampleId :
T4-S-C

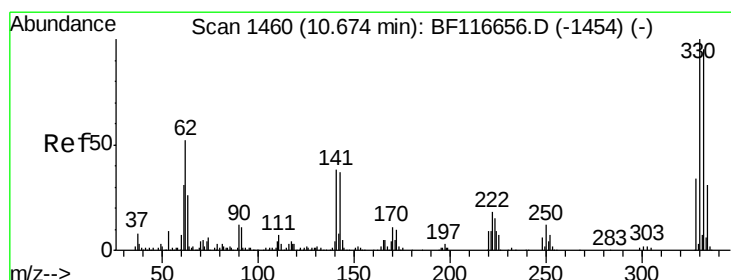
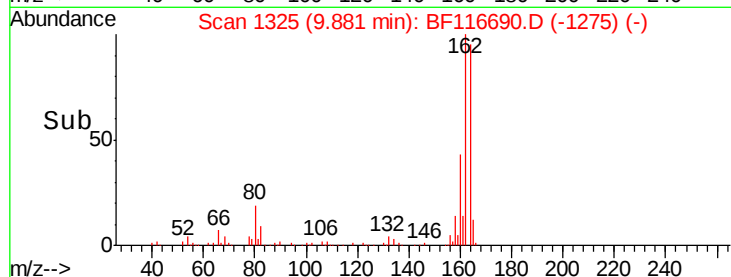
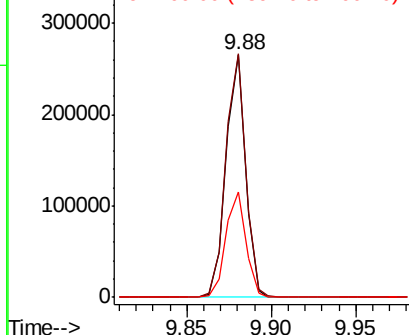
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.5	81.4	122.0	
160	43.5	35.4	53.2	

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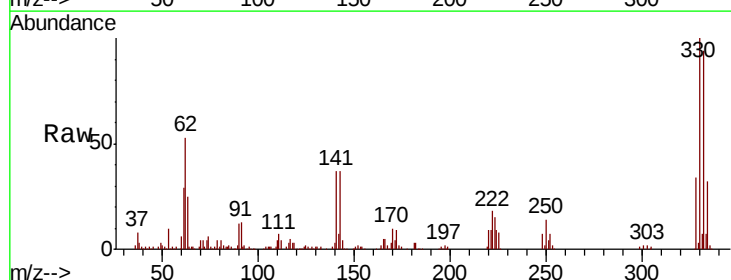


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

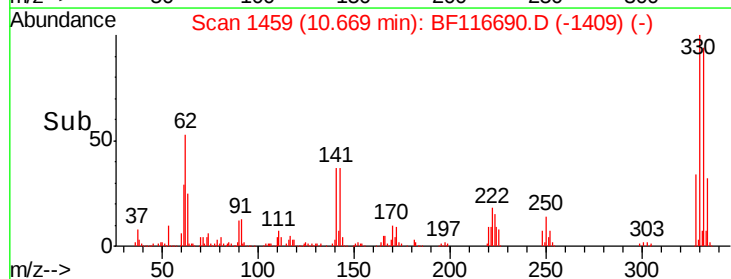
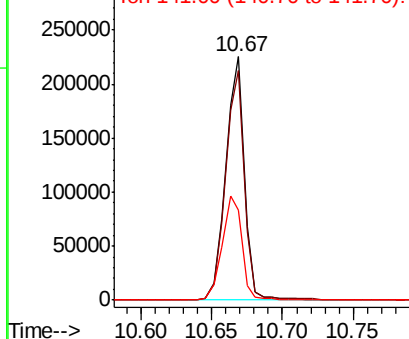


#42
2,4,6-Tribromophenol
Concen: 144.651 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	76.9	115.3	
141	45.7	31.4	47.2	



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





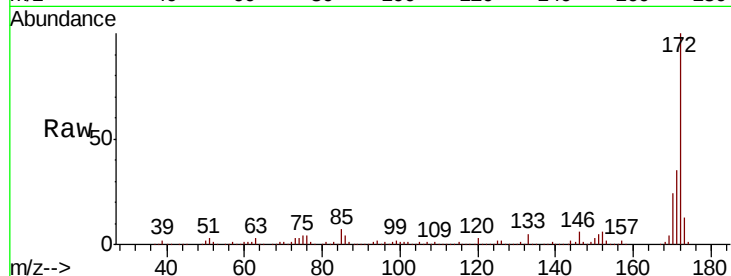
#45
2-Fluorobiphenyl
Concen: 70.387 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Instrument :
BNA_F
ClientSampled :
T4-S-C

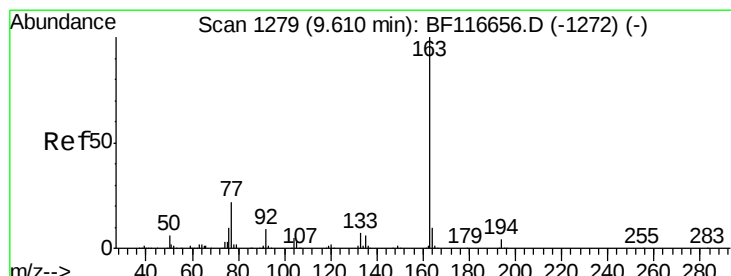
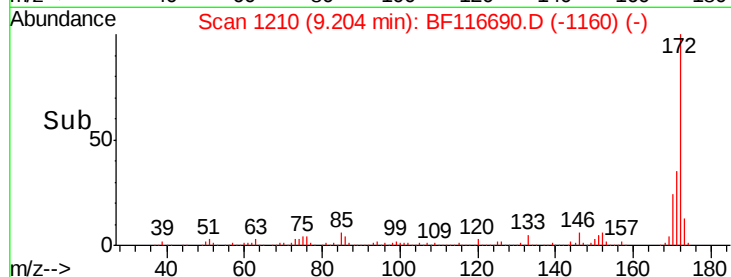
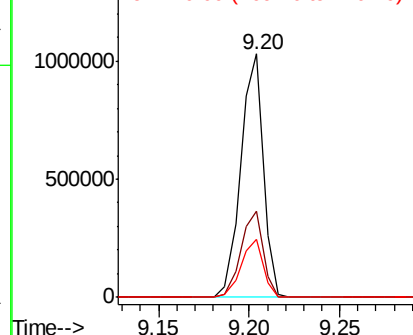
Tot Ion	Ratio	Resp	Lower	Upper
172	100	894110		
171	35.1		27.8	41.6
170	23.7		18.9	28.3

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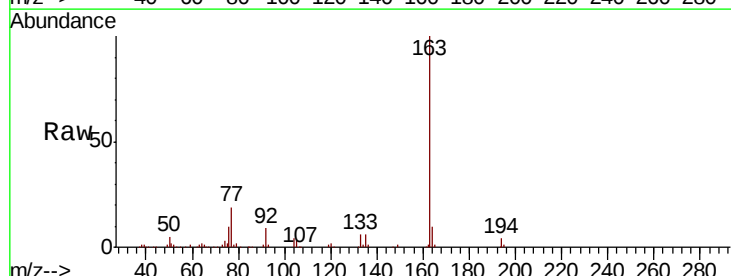


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

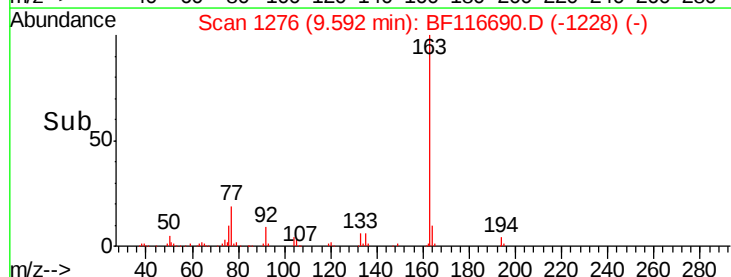
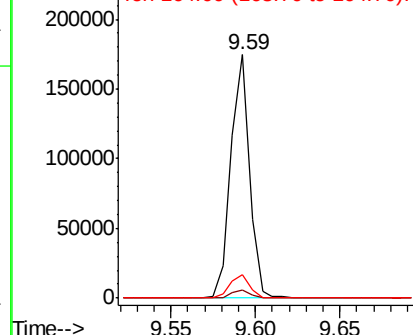


#50
Dimethylphthalate
Concen: 9.112 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	134808		
194	3.5		2.8	4.2
164	9.7		8.6	12.8



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: BF116690.D

Acq: 31 Aug 2019 11:08

Instrument :

BNA_F

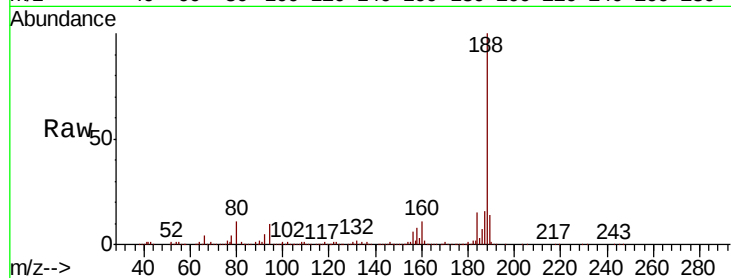
ClientSampled :

T4-S-C

Tot Ion:	188	Resp:	359298
Ion Ratio	Lower	Upper	
188	100		
94	9.5	7.3	10.9
80	10.9	8.4	12.6

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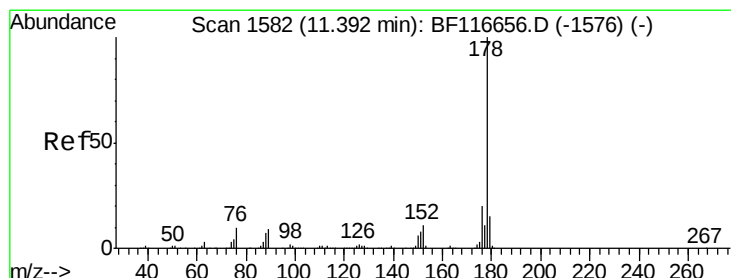
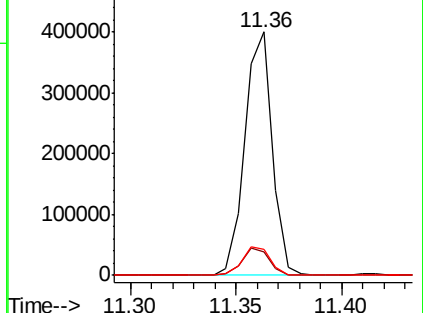
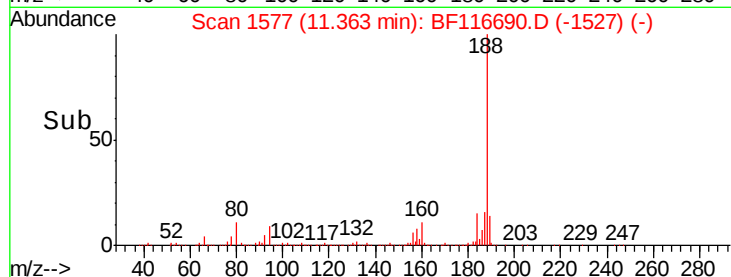
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 14.520 ng

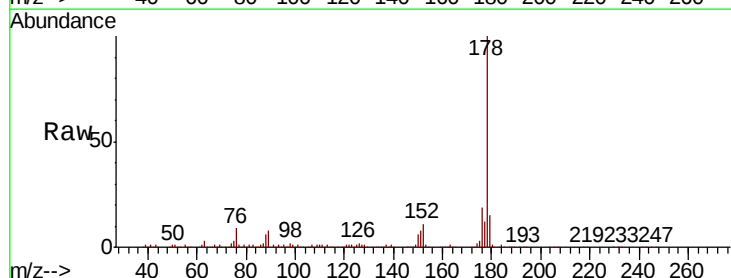
RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

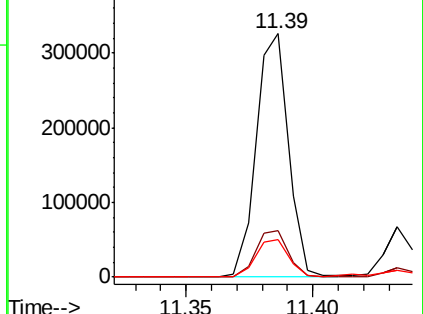
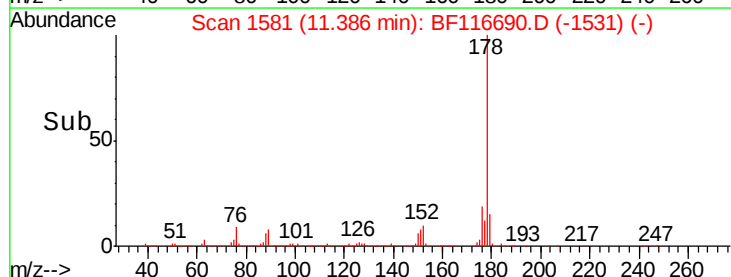
Tgt Ion:	178	Resp:	290410
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.4	23.0
179	15.2	12.2	18.2

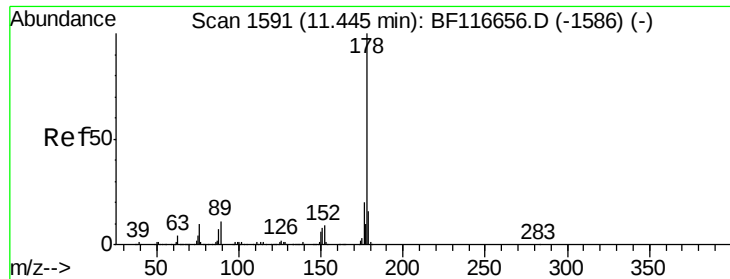


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.475 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

Instrument :

BNA_F

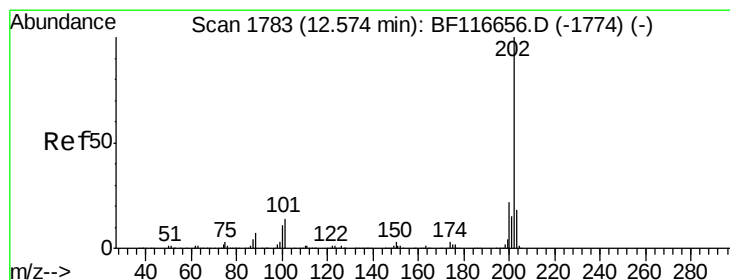
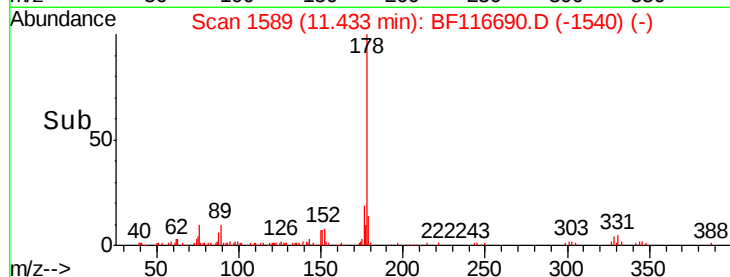
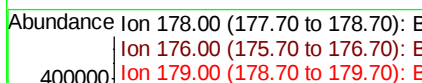
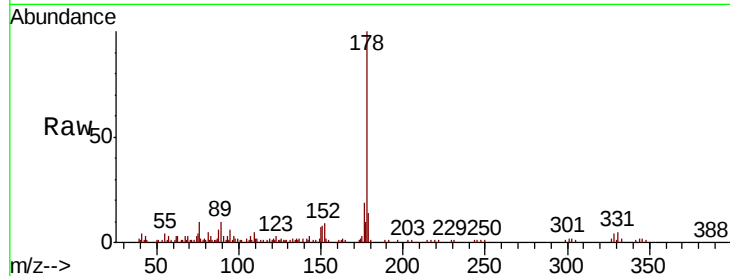
ClientSampleId :

T4-S-C

Tot Ion:	178	Resp:	49838
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.4	23.0
179	14.0	12.5	18.7

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#75

Fluoranthene

Concen: 21.354 ng

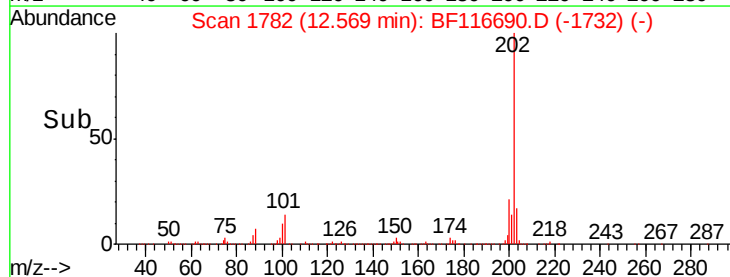
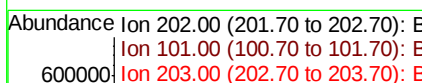
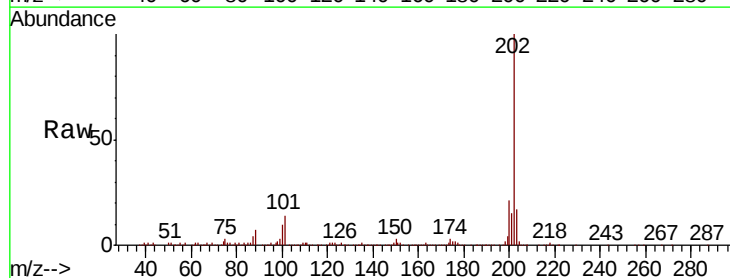
RT: 12.57 min Scan# 1782

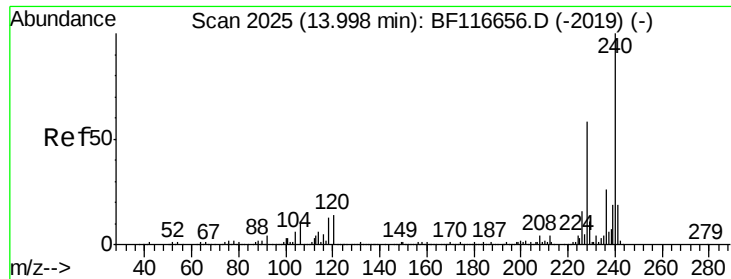
Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

Tgt Ion:	202	Resp:	419729
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	31.3
203	17.2	0.0	37.6





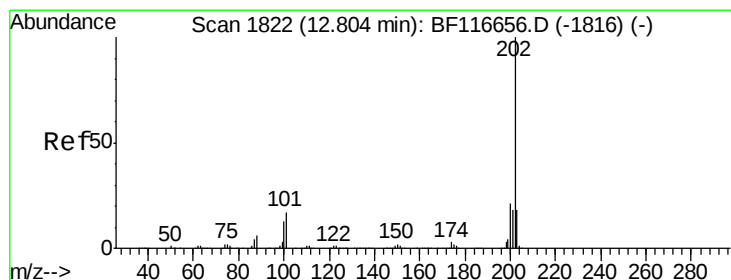
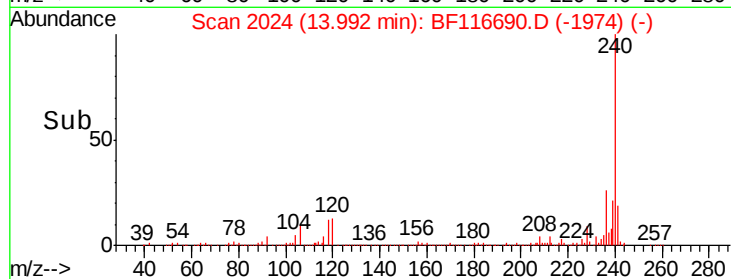
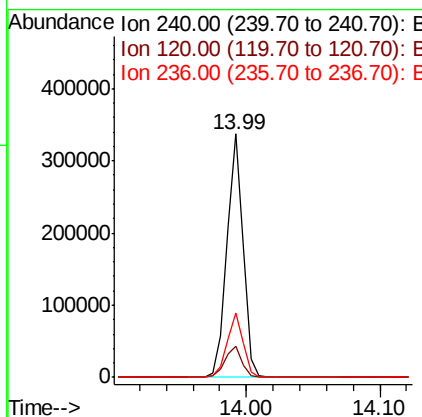
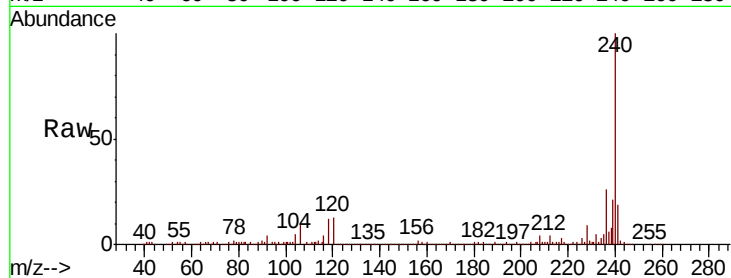
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Instrument :
BNA_F
ClientSampleId :
T4-S-C

Tot Ion	Ratio	Resp	Lower	Upper
240	100	290453		
120	13.0		9.1	13.7
236	26.4		21.1	31.7

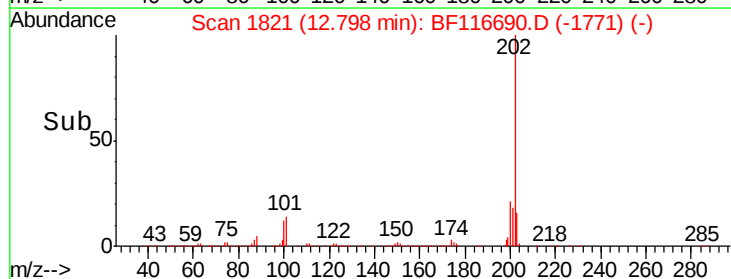
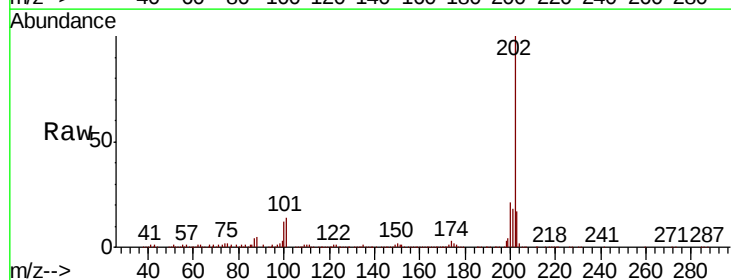
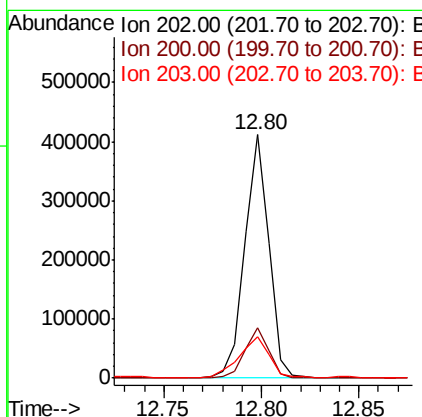
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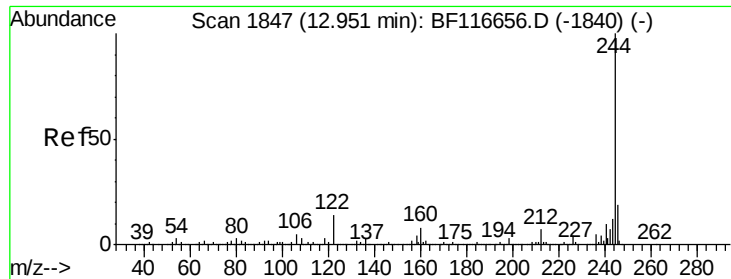
mohammad
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#78
Pyrene
Concen: 13.576 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	350521		
200	20.8		16.5	24.7
203	16.9		13.7	20.5





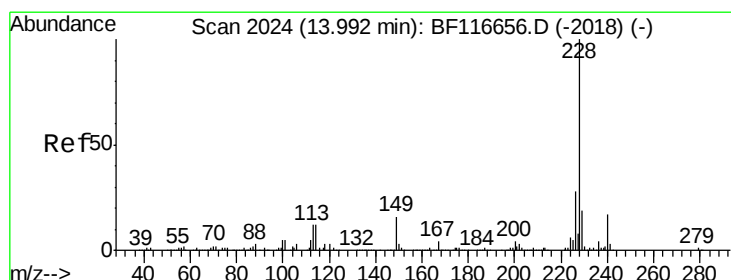
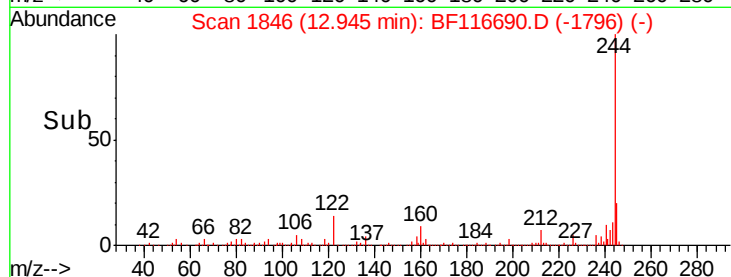
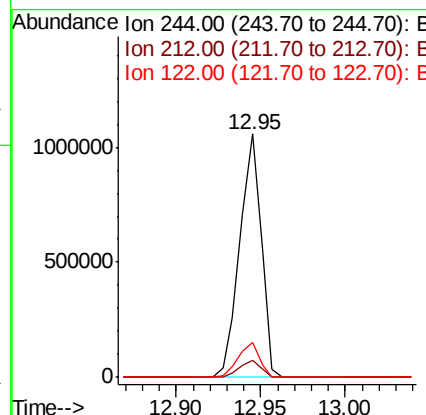
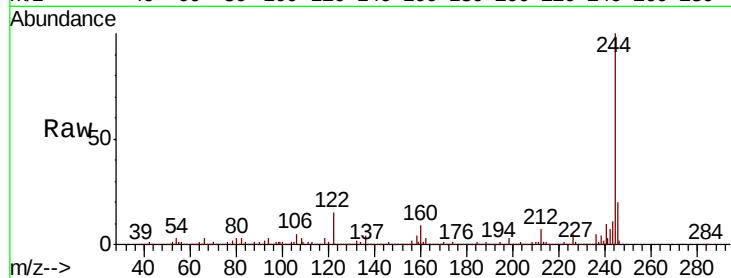
#79
 Terphenyl-d14
 Concen: 59.496 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116690.D
 Acq: 31 Aug 2019 11:08

Instrument :
 BNA_F
 ClientSampled :
 T4-S-C

Tot Ion	Ratio	Resp	Lower	Upper
244	100	934131		
212	7.2		6.1	9.1
122	14.6		10.2	15.4

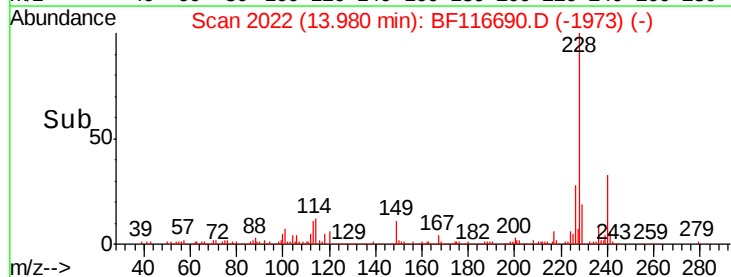
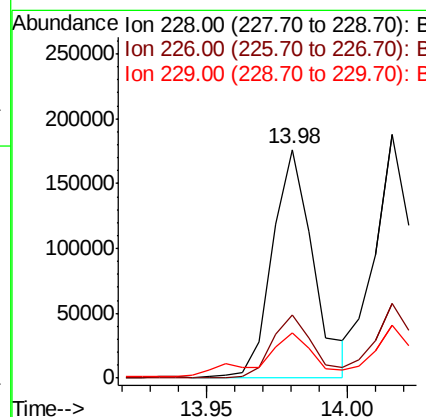
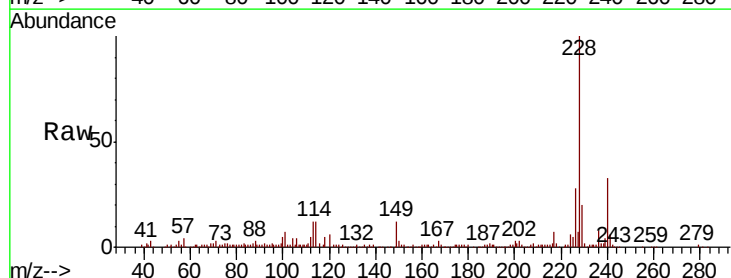
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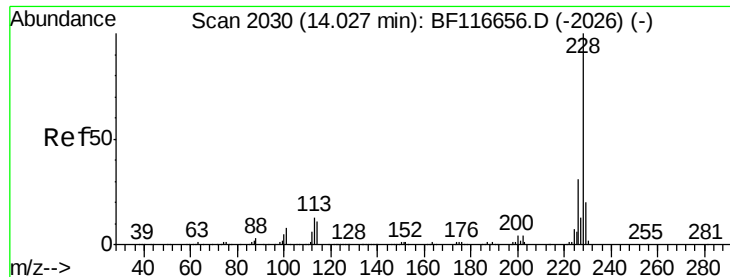
mohammad
 9/5/2019 9:23:09 AM



#81
 Benzo(a)anthracene
 Concen: 9.526 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF116690.D
 Acq: 31 Aug 2019 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	175108		
226	27.9		22.0	33.0
229	19.7		16.4	24.6





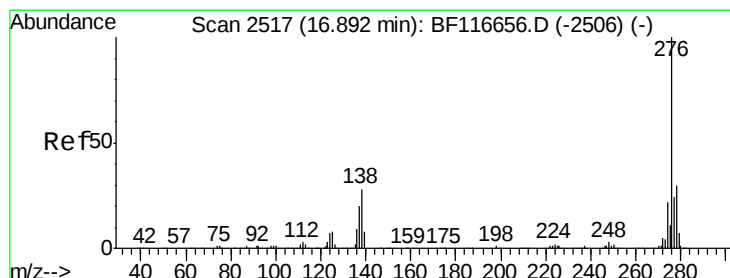
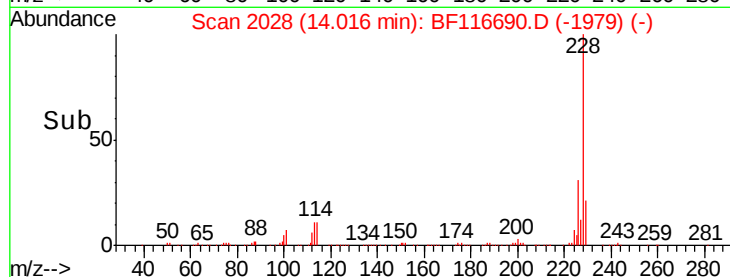
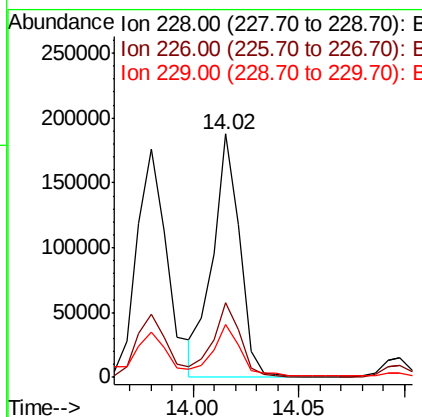
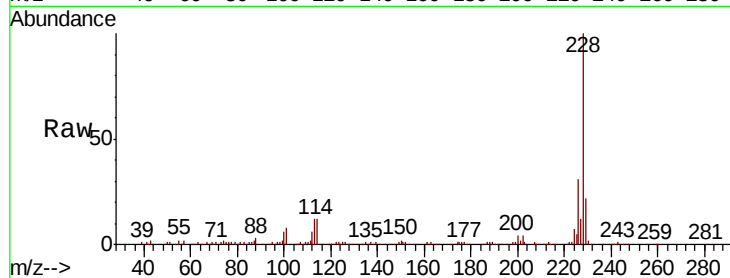
#83
Chrysene
Concen: 8.728 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Instrument :
BNA_F
ClientSampled :
T4-S-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.0	36.0
229	21.9	15.4	23.0

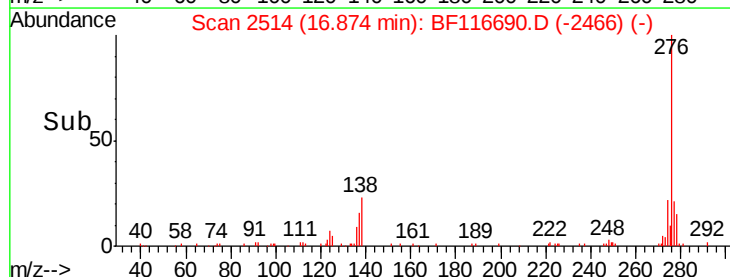
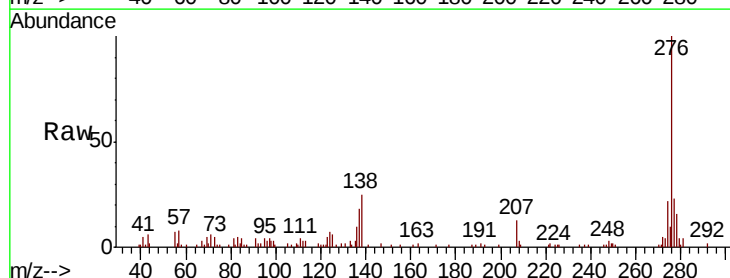
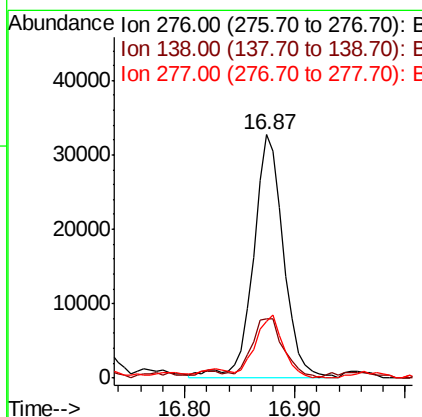
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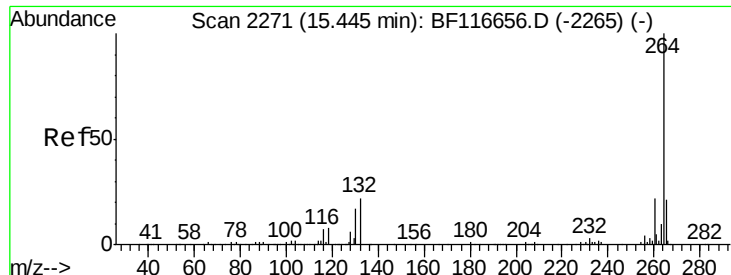
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.122 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.02 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.0	19.4	29.2
277	24.2	20.5	30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.00 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

Instrument :

BNA_F

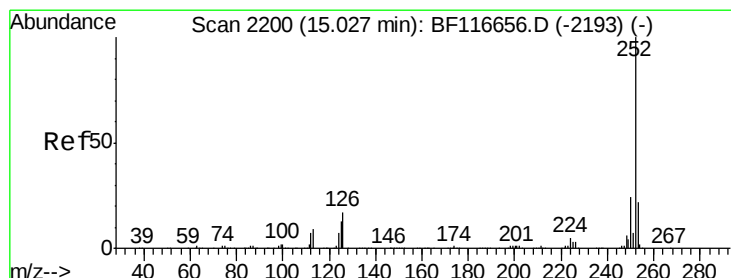
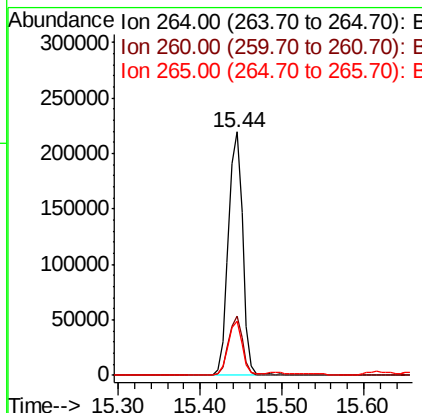
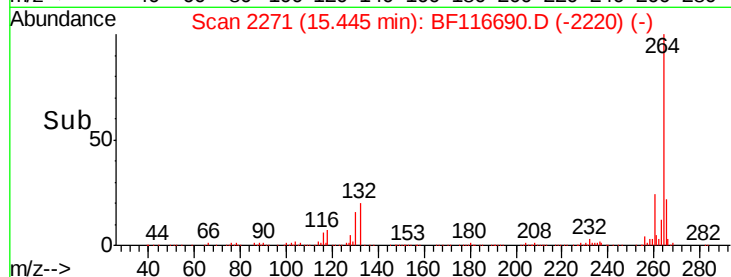
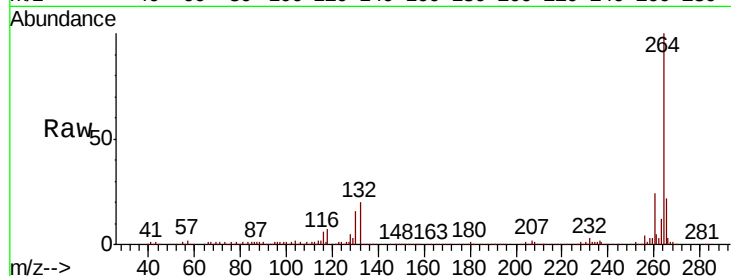
ClientSampleId :

T4-S-C

Tot Ion	Ratio	Resp	Lower	Upper
264	100	268392		
260	24.2	18.3	27.5	
265	22.3	16.5	24.7	

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#88

Benzo(b)fluoranthene

Concen: 10.299 ng m

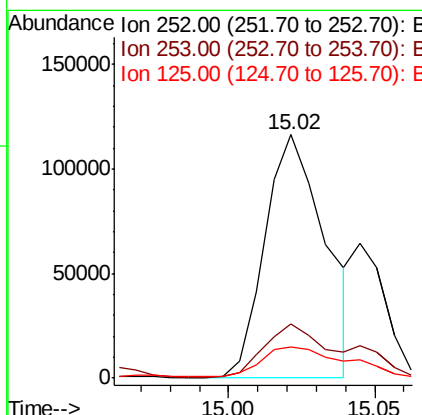
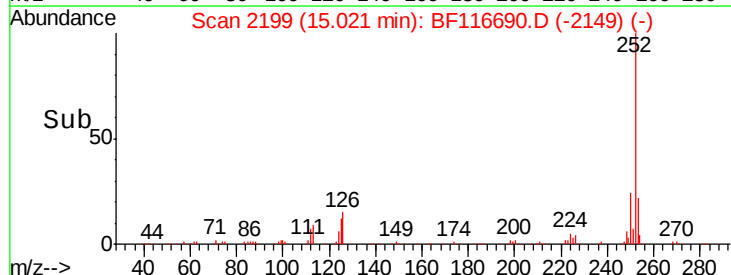
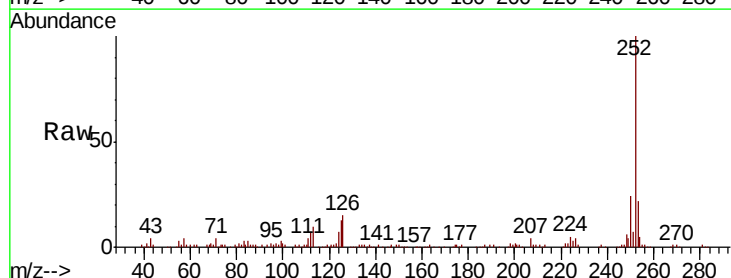
RT: 15.02 min Scan# 2199

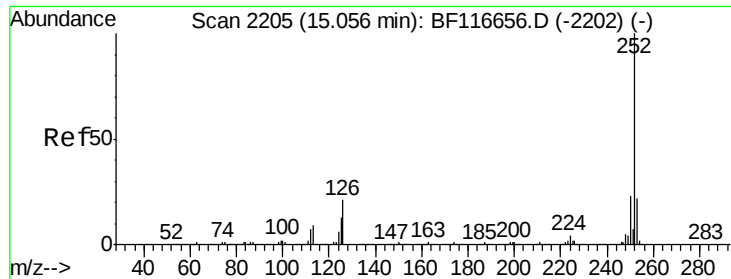
Delta R.T. -0.01 min

Lab File: BF116690.D

Acq: 31 Aug 2019 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	167124		
253	22.3	17.7	26.5	
125	12.6	8.2	12.2#	





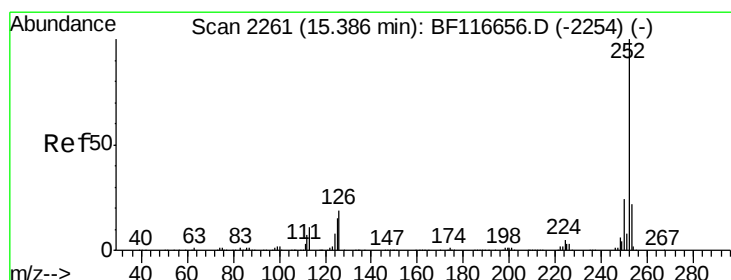
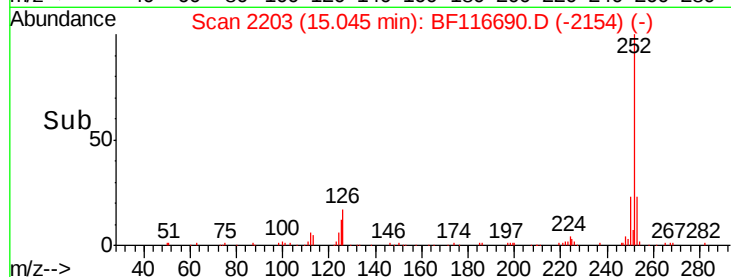
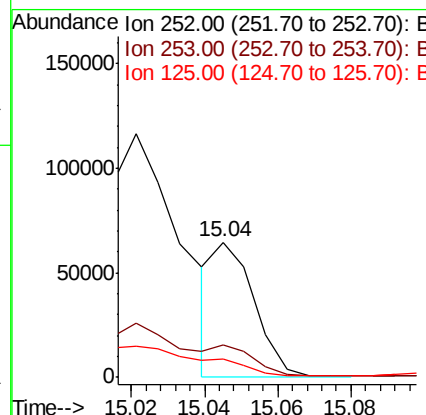
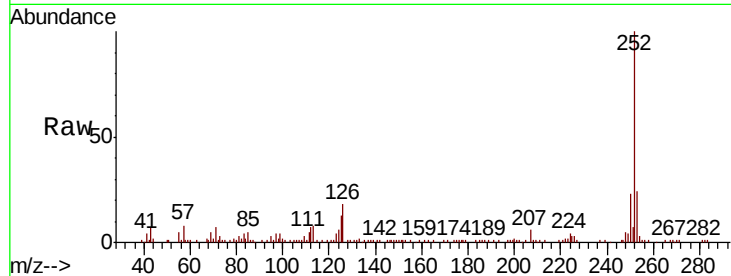
#89
Benzo(k)fluoranthene
Concen: 3.432 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Instrument :
BNA_F
ClientSampled :
T4-S-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	13.3	8.6	13.0

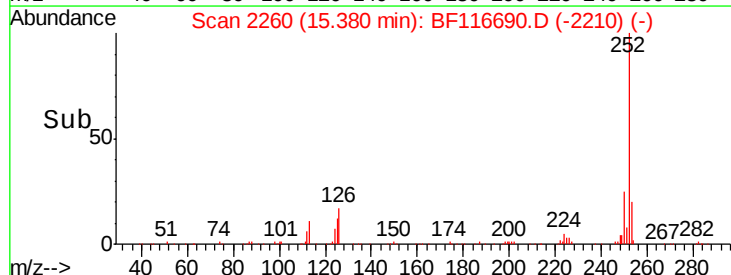
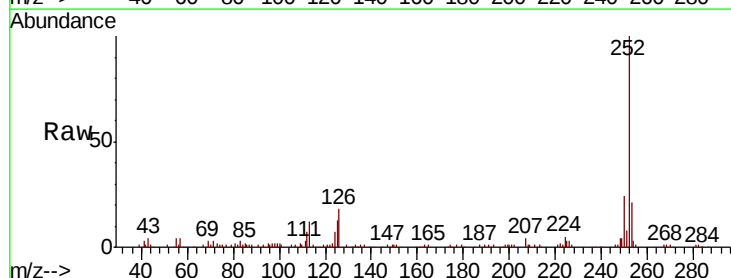
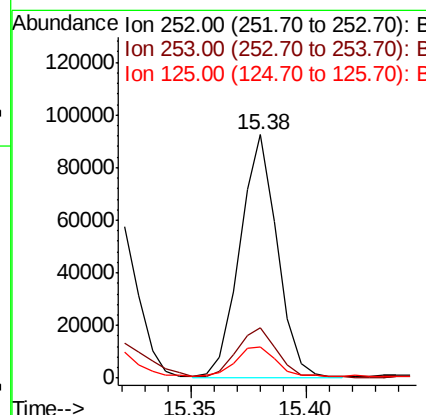
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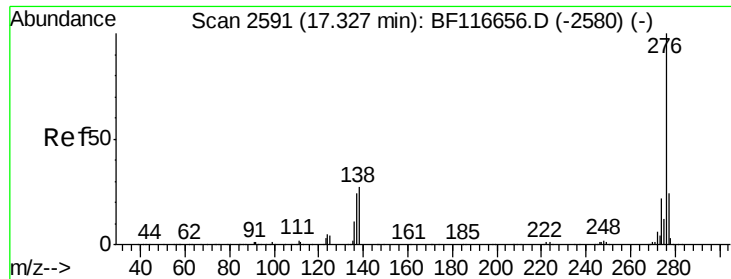
mohammad
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#90
Benzo(a)pyrene
Concen: 7.400 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116690.D
Acq: 31 Aug 2019 11:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	18.1	27.1
125	12.6	9.8	14.8





#92
 Benzo(a,h,i)perylene
 Concen: 4.356 ng
 RT: 17.31 min Scan# 2588
 Delta R.T. -0.02 min
 Lab File: BF116690.D
 Acq: 31 Aug 2019 11:08

Instrument :
 BNA_F
 ClientSampleId :
 T4-S-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.5	27.7
138	26.0	16.2	24.2

Manual Integrations
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