

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111173.D
 Acq On : 7 Dec 2018 8:10
 Operator : JU/SJ
 Sample : J6168-23
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S5

Manual Integrations
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mohammad
 12/10/2018 12:19:45 PM

Quant Time: Dec 07 09:49:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	433938	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1577827	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	611270	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	945195	20.00	ng	0.00
76) Chrysene-d12	13.96	240	716776	20.00	ng	0.00
87) Perylene-d12	15.40	264	514404	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	2606230	93.72	ng	0.01
7) Phenol-d6	6.44	99	3276713	91.47	ng	0.00
23) Nitrobenzene-d5	7.37	82	2000347	75.06	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	467925	96.30	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2503810	73.95	ng	0.00
79) Terphenyl-d14	12.91	244	1872387	53.50	ng	0.00
Target Compounds						
10) Phenol	6.45	94	262721	6.726	ng	93
50) Dimethylphthalate	9.56	163	520814	12.242	ng	97
71) Phenanthrene	11.35	178	628010	13.813	ng	94
72) Anthracene	11.40	178	158303	3.454	ng	96
75) Fluoranthene	12.53	202	982844	22.092	ng	96
78) Pyrene	12.76	202	841552	15.070	ng	95
81) Benzo(a)anthracene	13.95	228	358380	8.534	ng	99
83) Chrysene	13.99	228	331067	7.941	ng	95
86) Indeno(1,2,3-cd)pyrene	16.81	276	124714	3.726	ng	92
88) Benzo(b)fluoranthene	14.99	252	335885m	11.523	ng	
89) Benzo(k)fluoranthene	15.01	252	81351m	2.887	ng	
90) Benzo(a)pyrene	15.33	252	209810	7.847	ng	97
92) Benzo(a,h,i)perylene	17.23	276	115433	5.120	ng	95

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

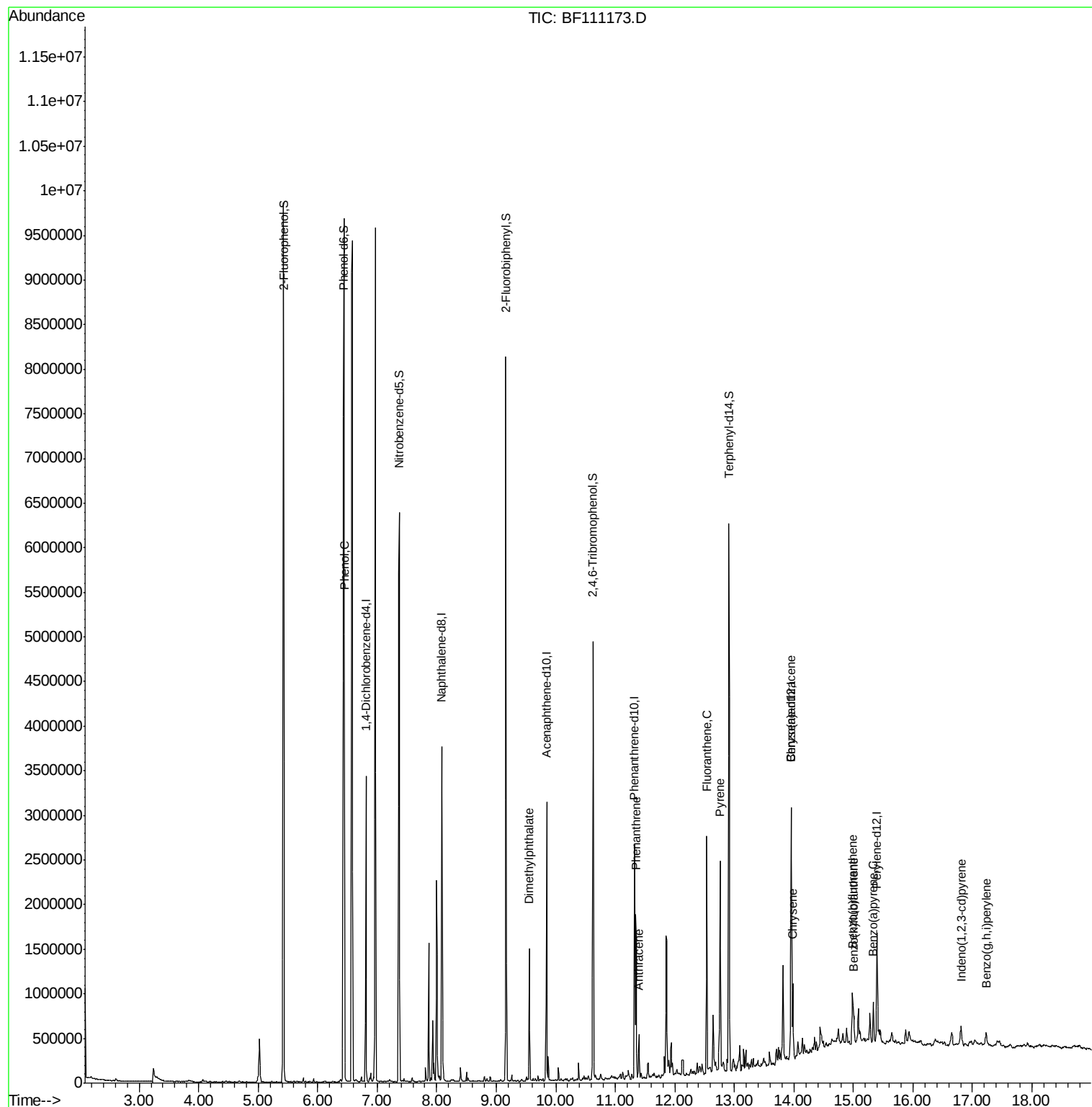
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
Data File : BF111173.D
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Sample : J6168-23
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ALS Vial : 32 Sample Multiplier: 1

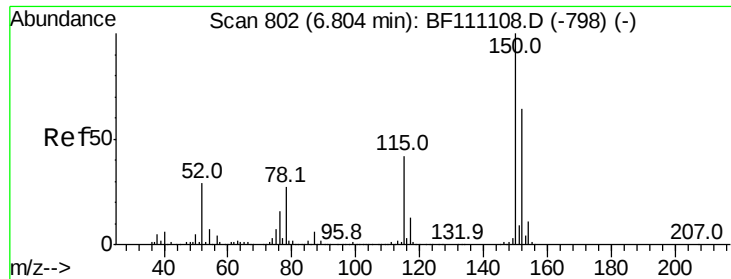
Instrument :
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S5

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
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#1

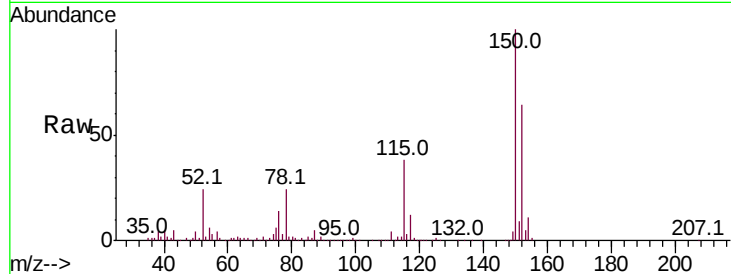
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Instrument :
BNA_F
ClientSampled :
S5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	187.0
115	60.4	52.2	78.2

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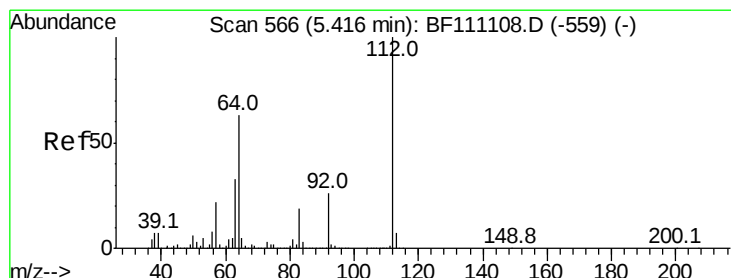
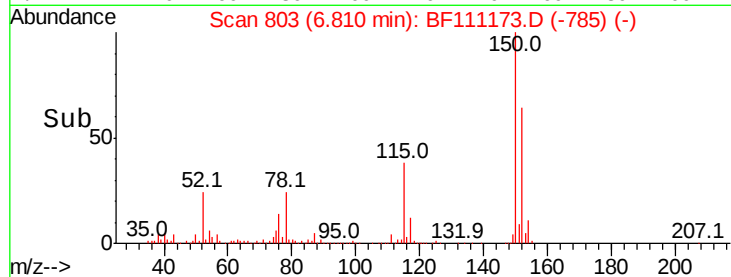
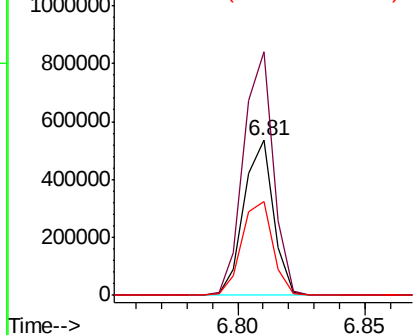


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

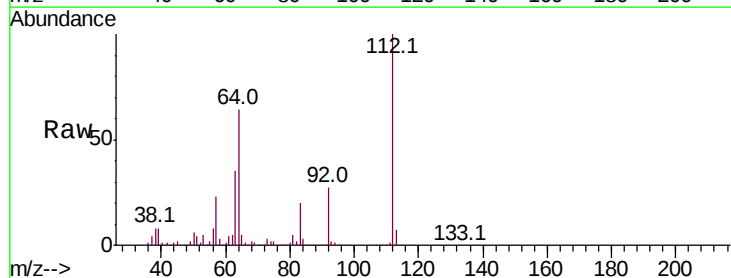
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 93.721 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	50.2	75.4
63	34.8	26.6	39.8

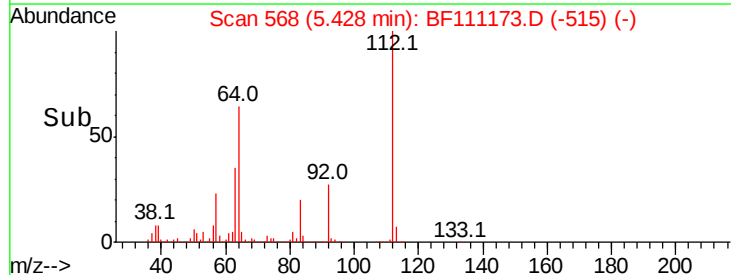
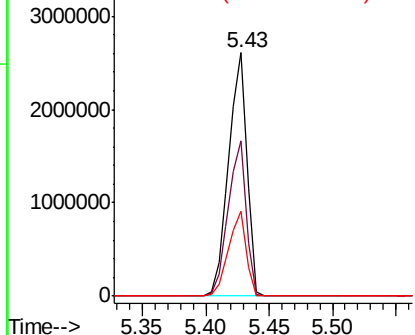


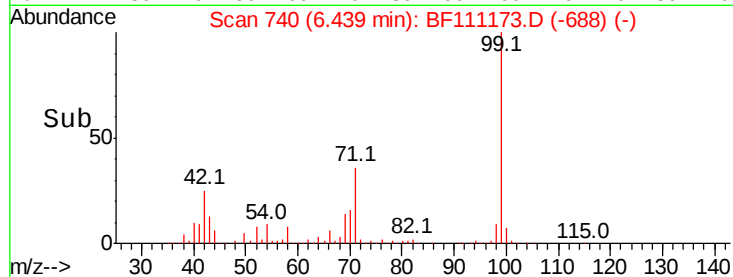
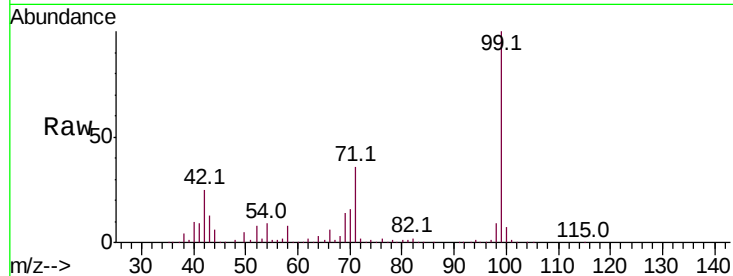
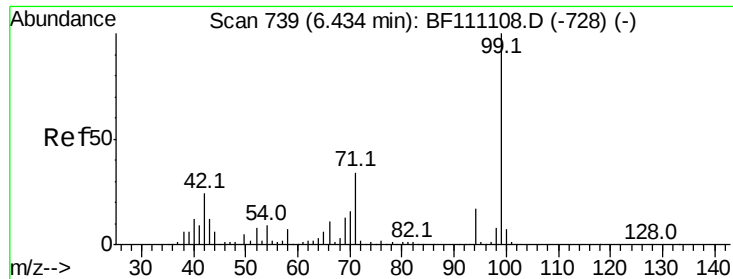
Abundance

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





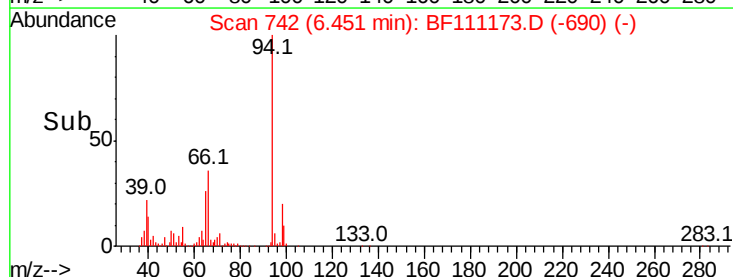
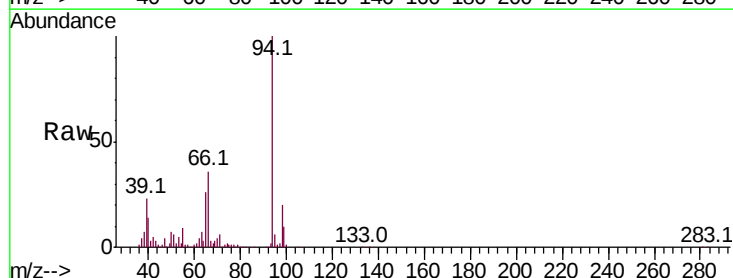
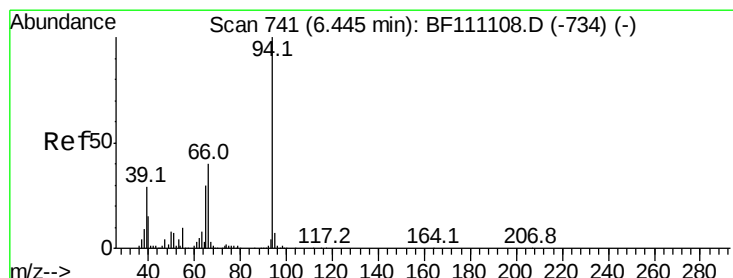
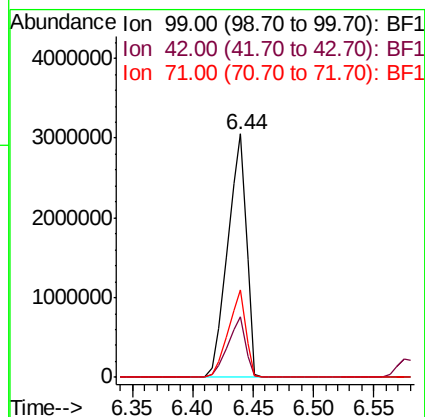
#7
Phenol-d6
Concen: 91.472 ng
RT: 6.44 min Scan# 740
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tot Ion: 99 Resp: 3276713
Ion Ratio Lower Upper
99 100
42 24.9 19.3 28.9
71 35.8 27.4 41.2

Instrument :
BNA_F
ClientSampleId :
S5

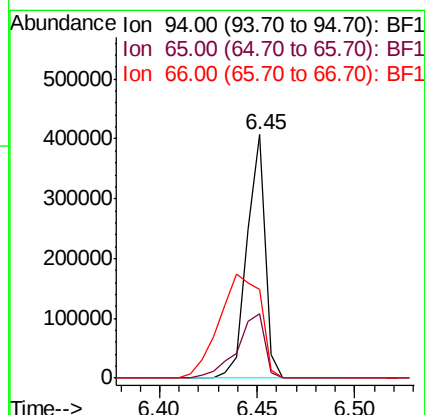
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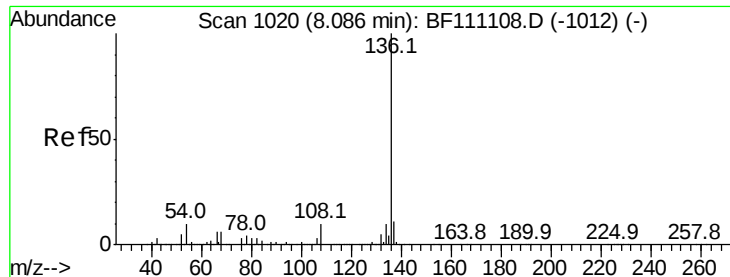
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#10
Phenol
Concen: 6.726 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion: 94 Resp: 262721
Ion Ratio Lower Upper
94 100
65 26.3 10.5 50.5
66 36.3 19.8 59.8





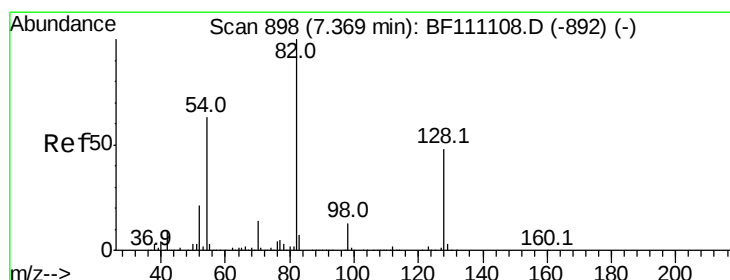
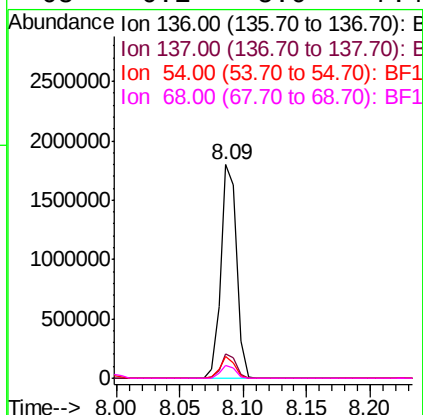
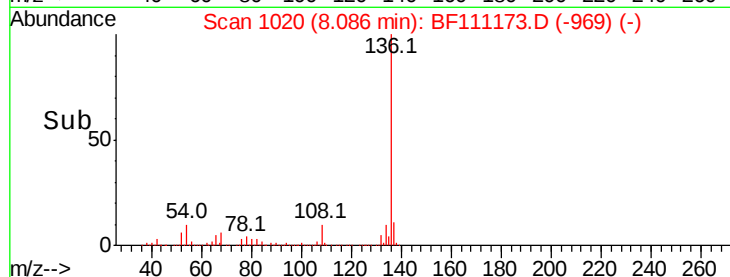
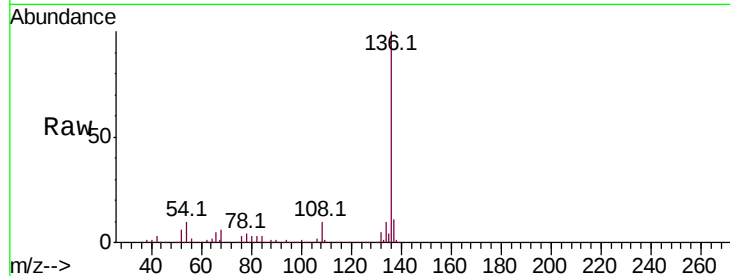
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Instrument :
BNA_F
ClientSampleId :
S5

Tot Ion	136	Resp	1577827
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	10.2	8.4	12.6
68	6.1	5.0	7.4

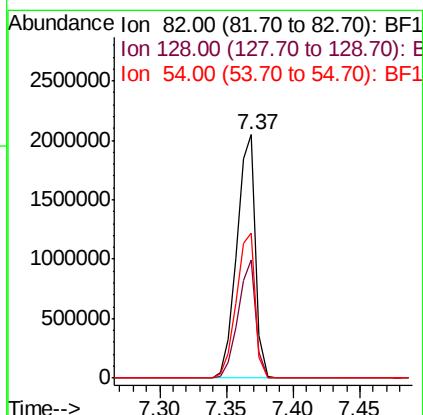
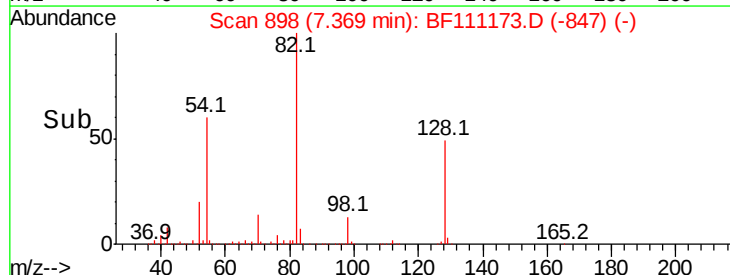
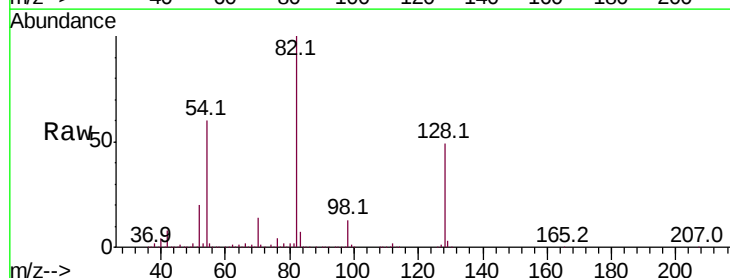
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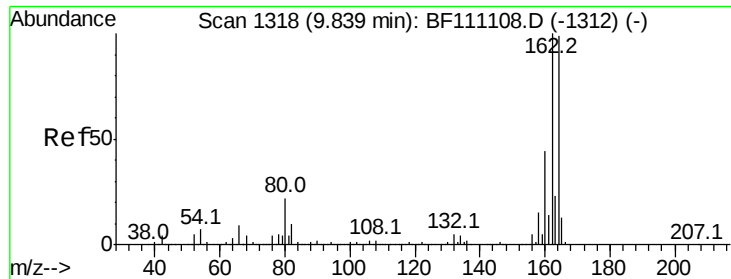
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#23
Nitrobenzene-d5
Concen: 75.057 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion	82	Resp	2000347
Ion	Ratio	Lower	Upper
82	100		
128	48.6	38.1	57.1
54	59.8	50.3	75.5





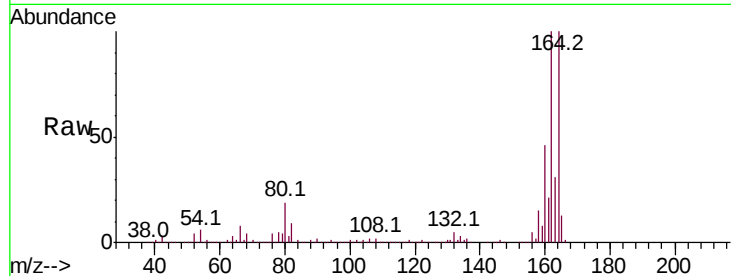
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Instrument :
BNA_F
ClientSampled :
S5

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.5	80.6	120.8	
160	45.8	35.5	53.3	

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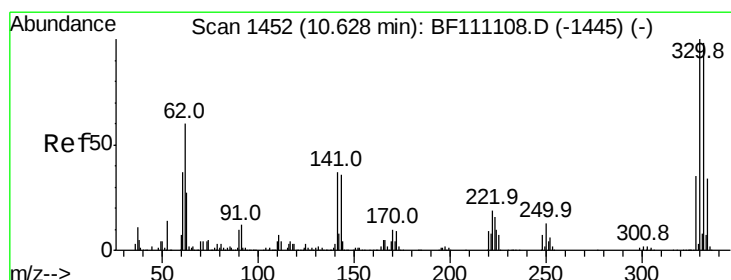
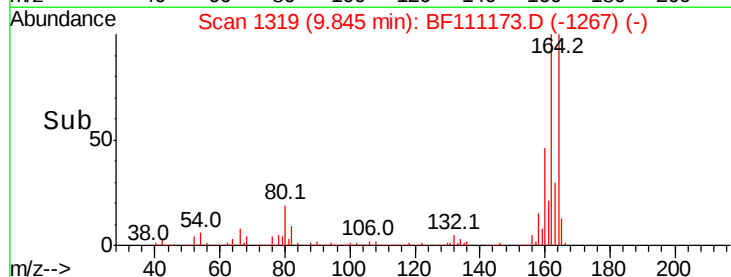
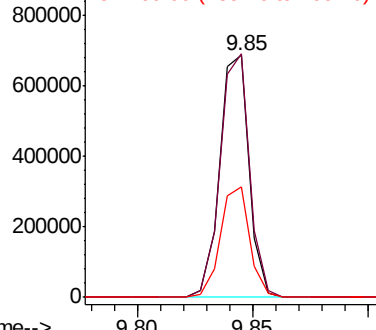


Abundance

Ion 164.00 (163.70 to 164.70): E

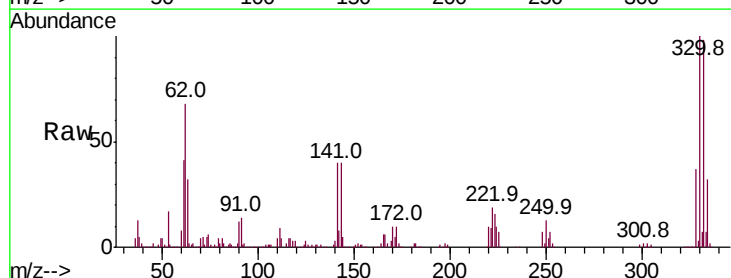
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 96.303 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	77.2	115.8	
141	41.2	36.1	54.1	

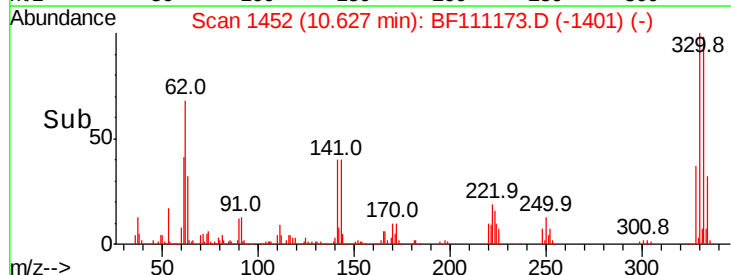
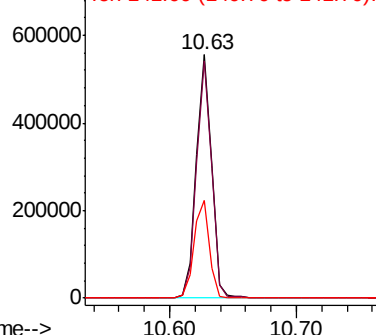


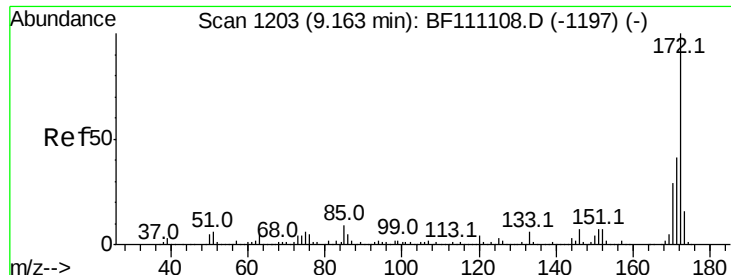
Abundance

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





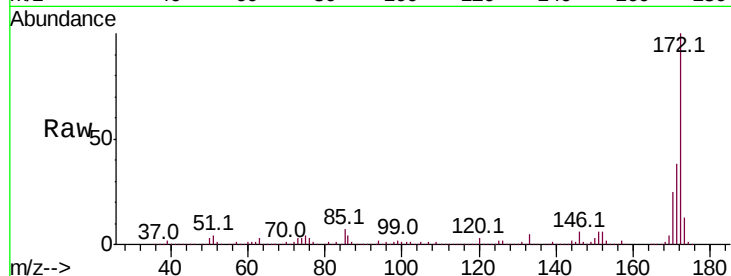
#45
2-Fluorobiphenyl
Concen: 73.953 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Instrument :
BNA_F
ClientSampleId :
S5

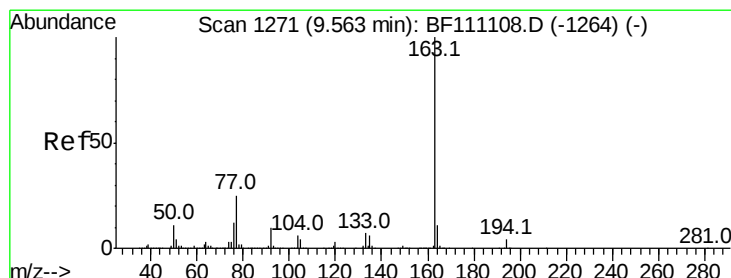
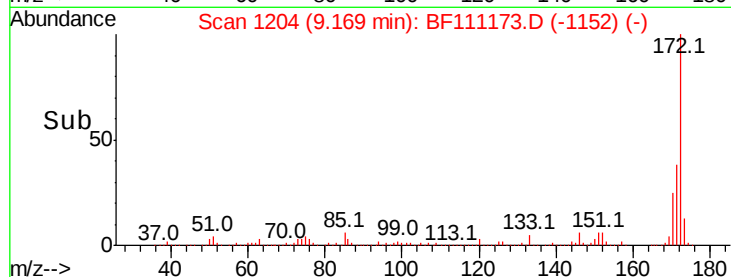
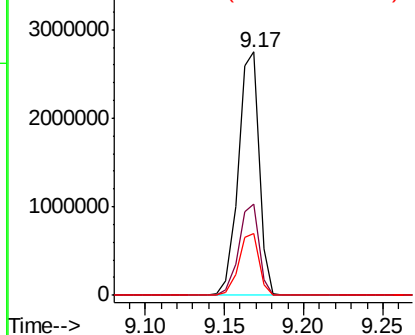
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	33.2	49.8
170	25.2	22.9	34.3

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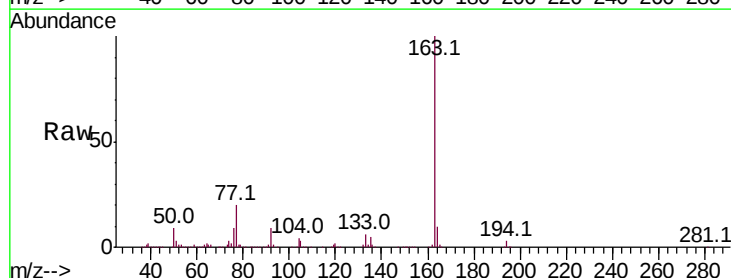


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

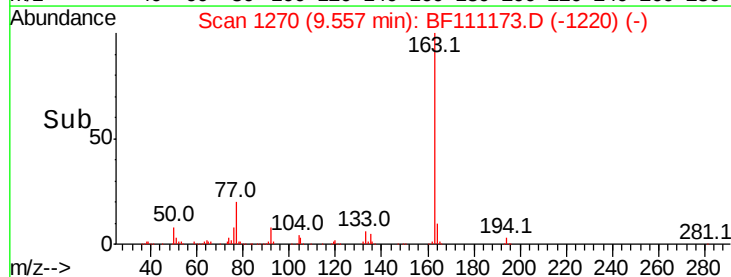
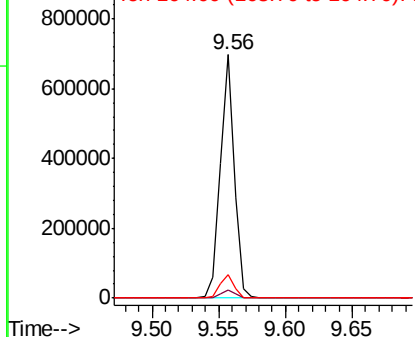


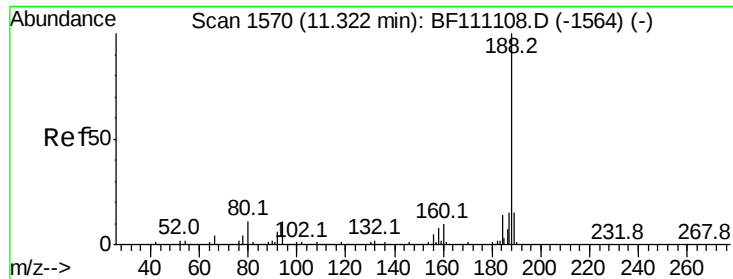
#50
Dimethylphthalate
Concen: 12.242 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.4
164	9.7	8.9	13.3



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





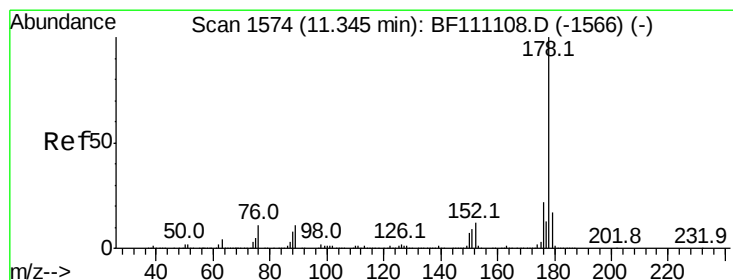
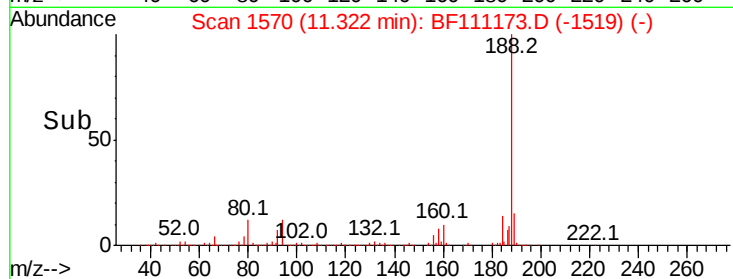
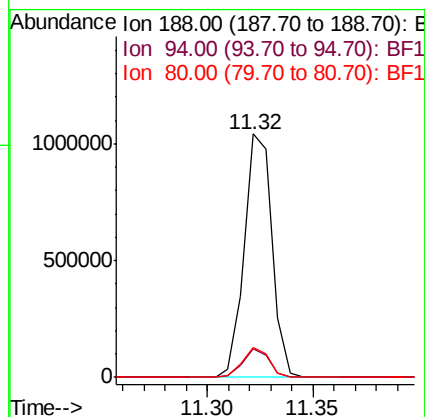
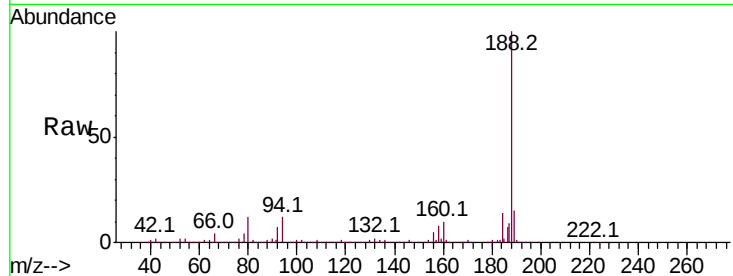
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Instrument :
BNA_F
ClientSampled :
S5

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.9	8.5	12.7
80	12.0	9.0	13.6

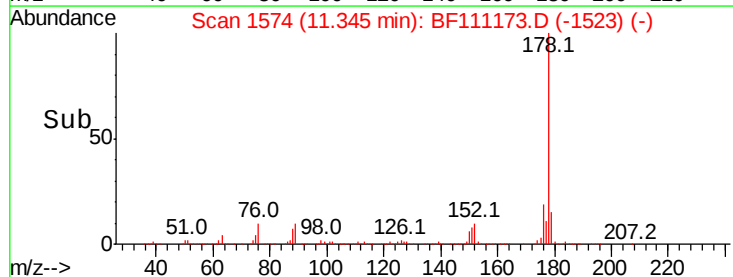
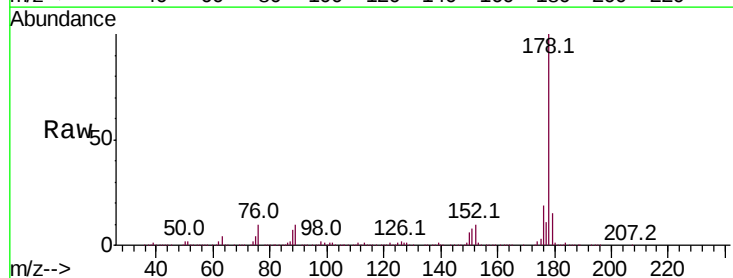
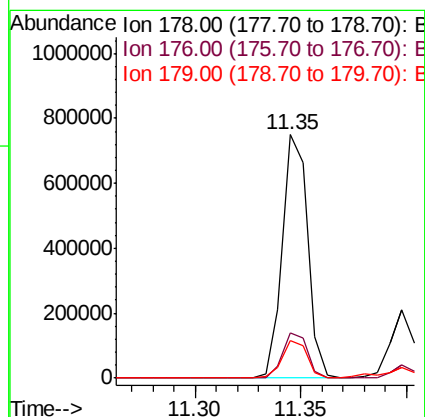
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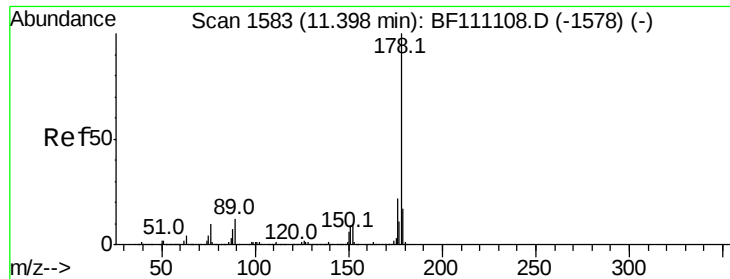
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#71
Phenanthrene
Concen: 13.813 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	17.7	26.5
179	15.4	14.0	21.0





#72

Anthracene

Concen: 3.454 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF111173.D

Acq: 7 Dec 2018 8:10

Instrument :

BNA_F

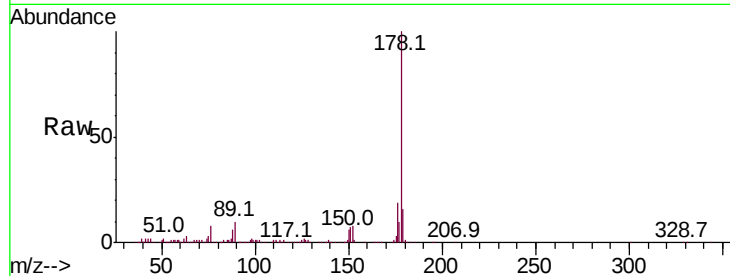
ClientSampled :

S5

Tot Ion:	178	Resp:	158303
Ion Ratio	Lower	Upper	
178	100		
176	19.1	17.3	25.9
179	15.9	13.8	20.8

Manual Integrations
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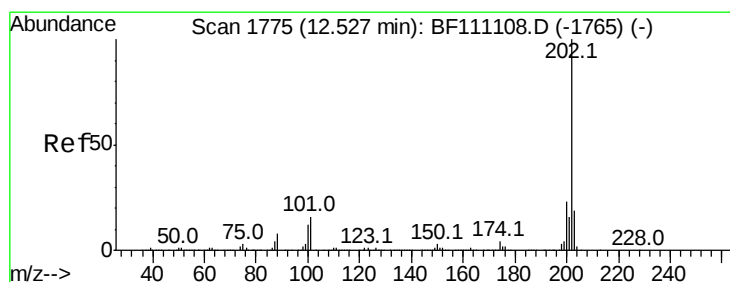
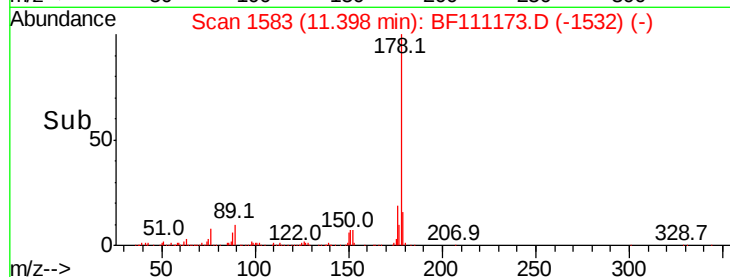
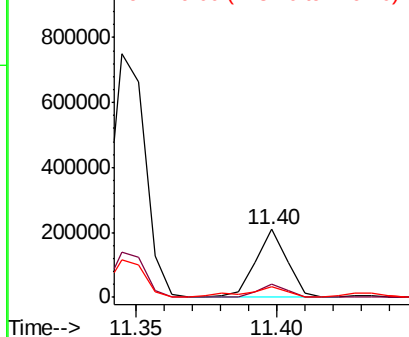


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 22.092 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111173.D

Acq: 7 Dec 2018 8:10

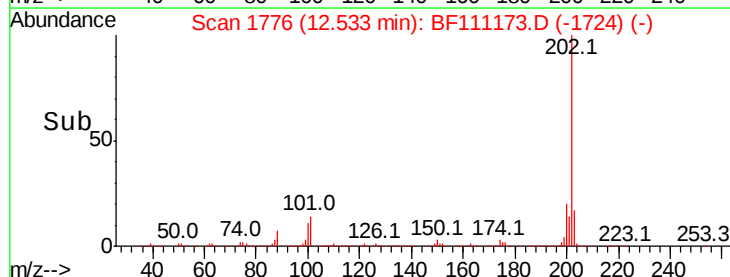
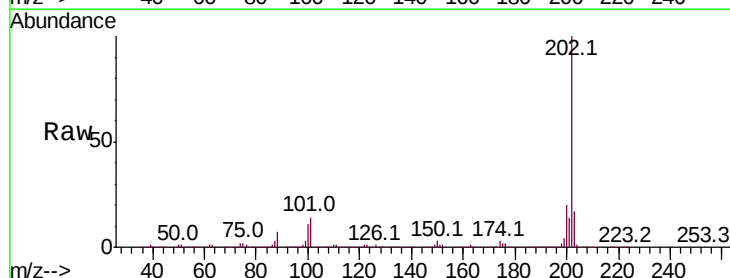
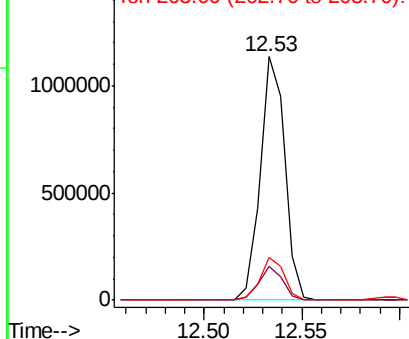
Tgt Ion:	202	Resp:	982844
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	35.8
203	17.3	0.0	38.6

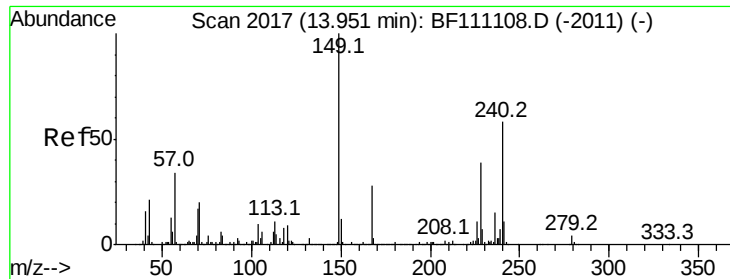
Abundance

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





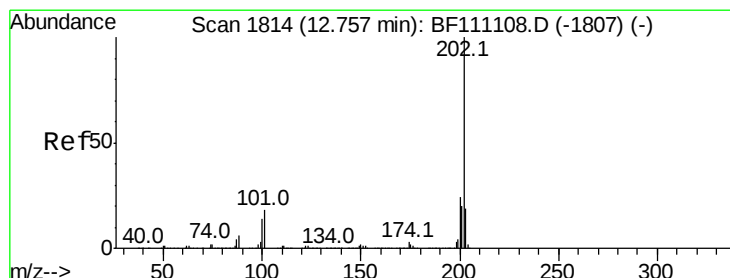
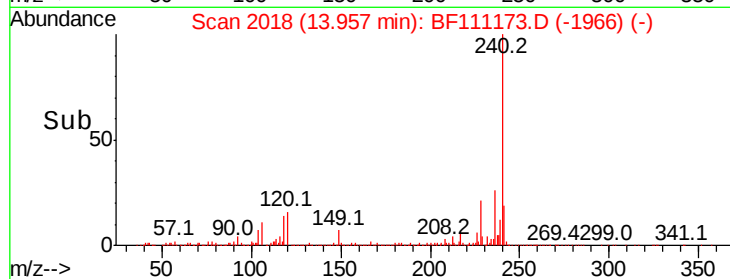
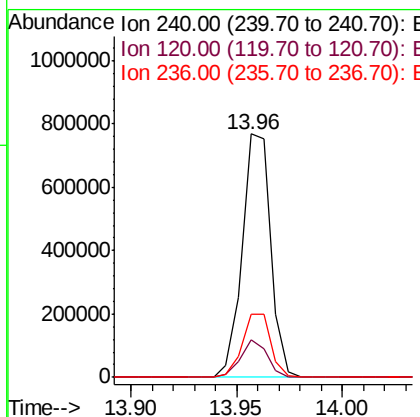
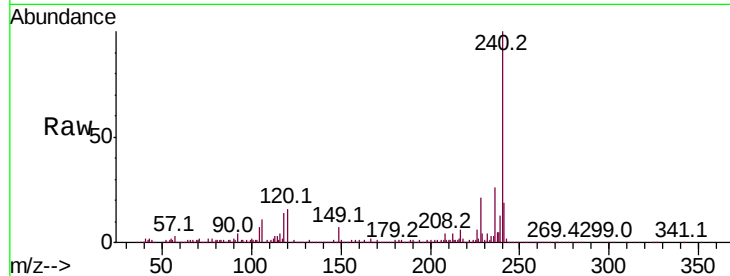
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Instrument :
BNA_F
ClientSampled :
S5

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.6	12.8	19.2
236	25.7	21.1	31.7

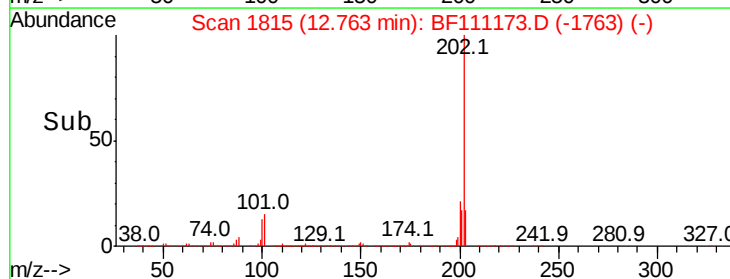
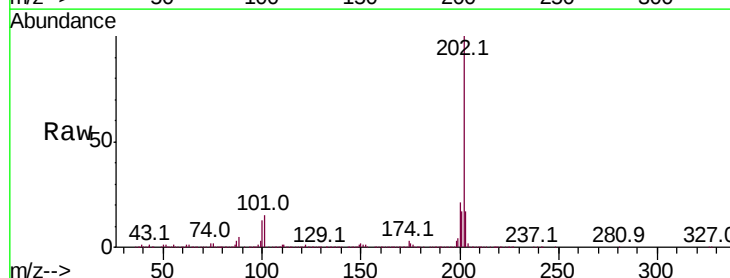
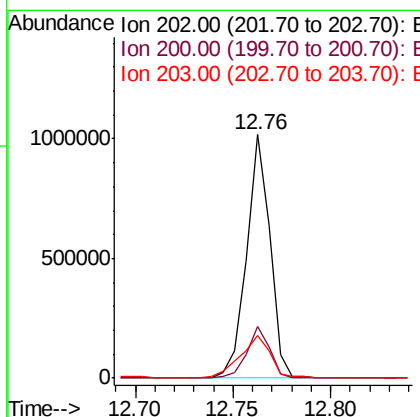
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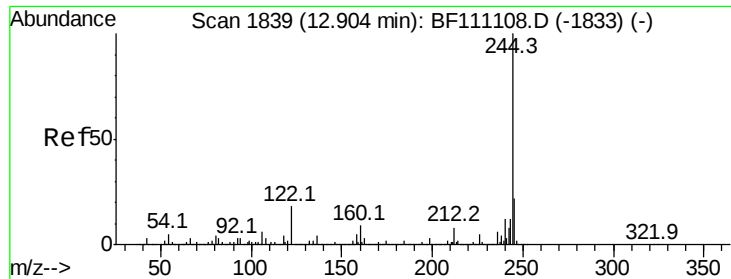
mohammad
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#78
Pyrene
Concen: 15.070 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	19.3	28.9
203	17.3	15.4	23.2





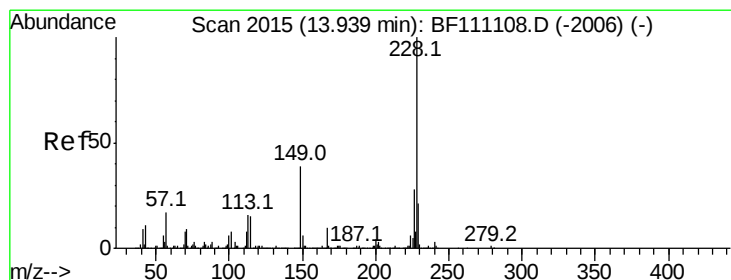
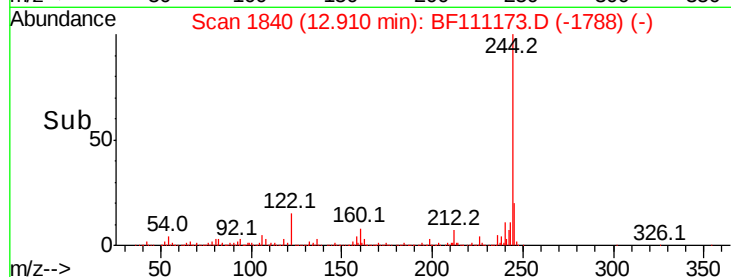
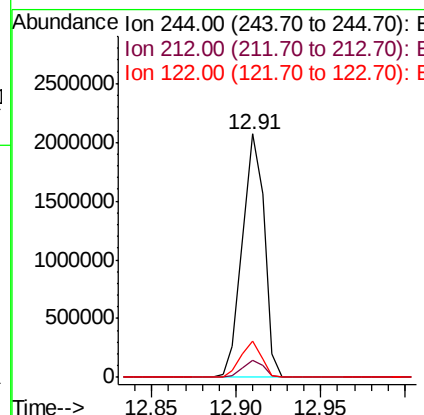
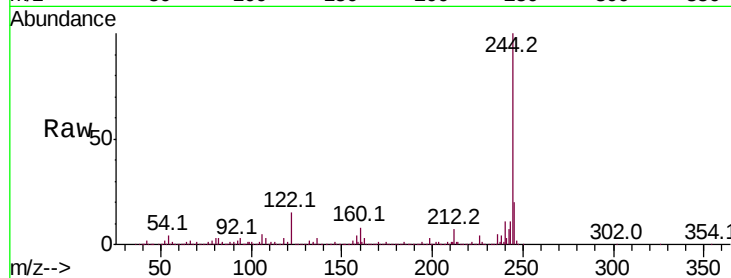
#79
 Terphenyl-d14
 Concen: 53.498 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111173.D
 Acq: 7 Dec 2018 8:10

Instrument :
 BNA_F
 ClientSampled :
 S5

Tot Ion:244 Resp: 1872387
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.6 9.8
 122 15.0 14.2 21.2

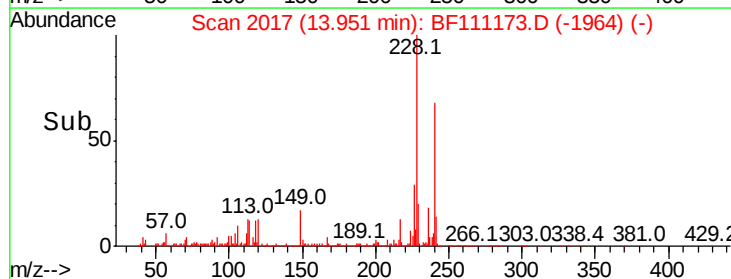
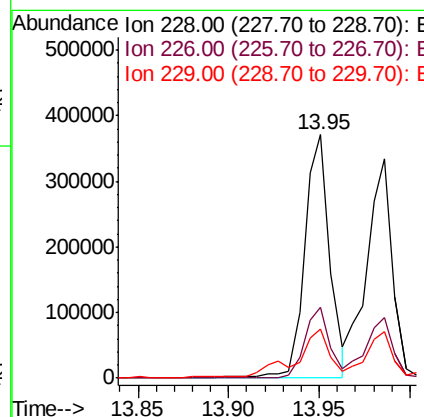
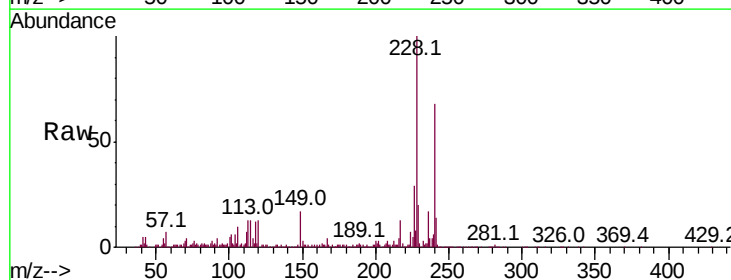
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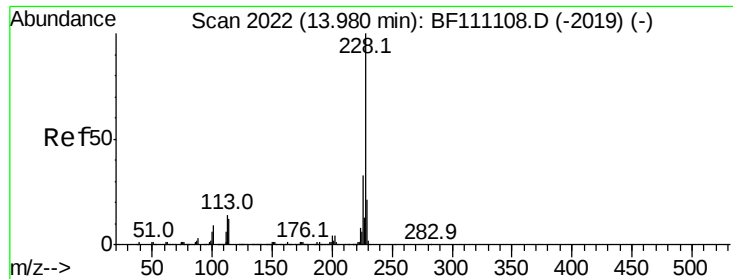
mohammad
 12/10/2018 12:19:45 PM



#81
 Benzo(a)anthracene
 Concen: 8.534 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: BF111173.D
 Acq: 7 Dec 2018 8:10

Tgt Ion:228 Resp: 358380
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.6 34.0
 229 20.3 16.7 25.1





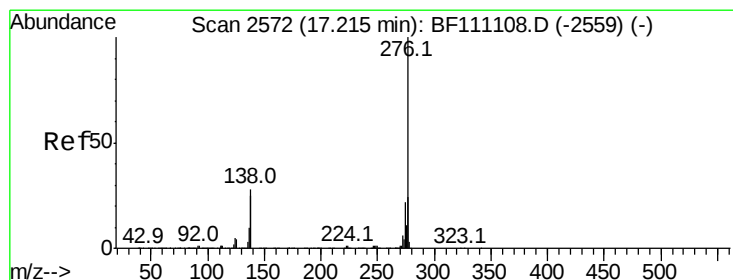
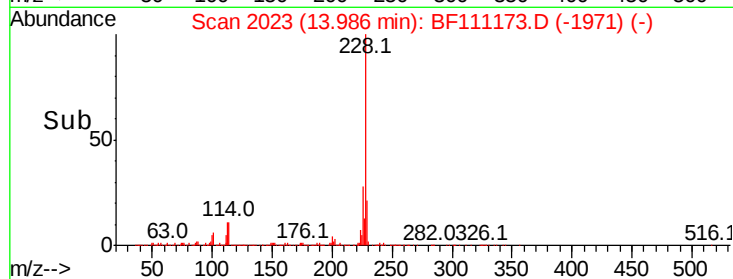
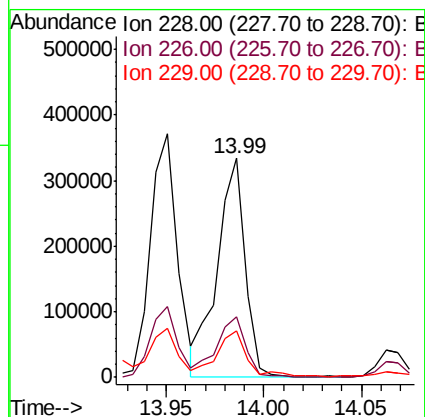
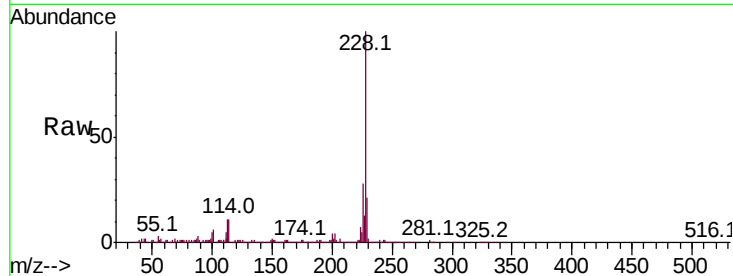
#83
Chrysene
Concen: 7.941 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Instrument :
BNA_F
ClientSampled :
S5

Tot Ion:	228	Resp:	331067
Ion Ratio	Lower	Upper	
228	100		
226	28.0	26.2	39.2
229	21.4	16.9	25.3

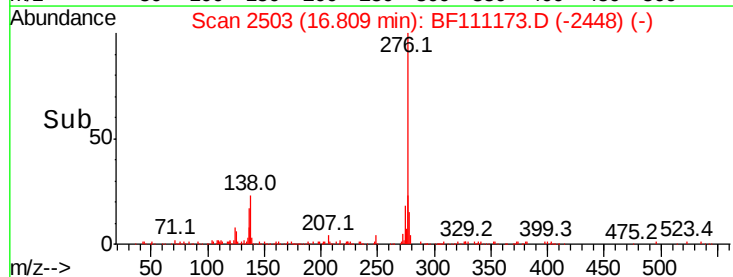
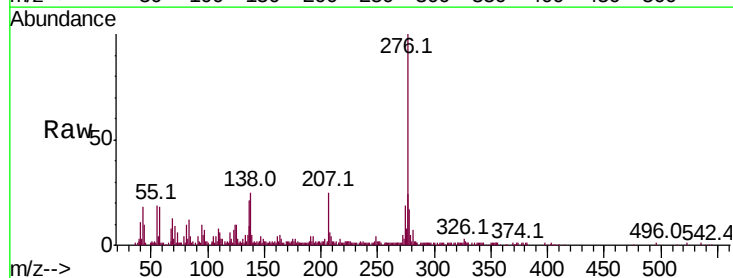
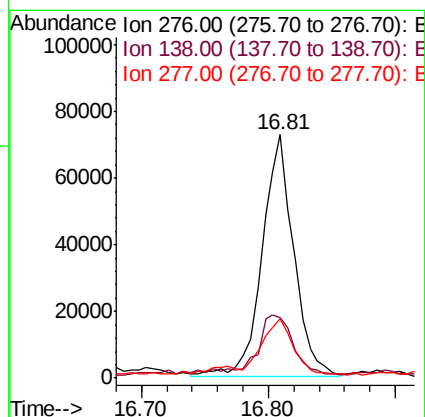
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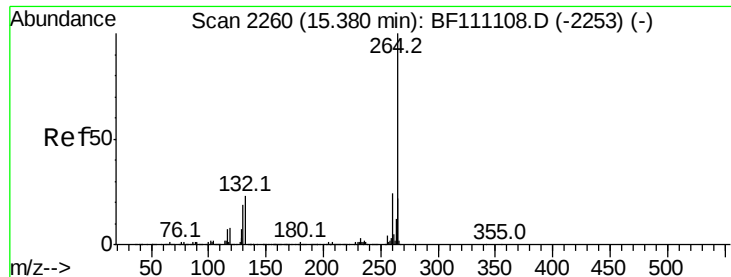
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.726 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.02 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion:	276	Resp:	124714
Ion Ratio	Lower	Upper	
276	100		
138	29.2	20.2	30.4
277	23.6	15.8	23.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.02 min

Lab File: BF111173.D

Acq: 7 Dec 2018 8:10

Instrument :

BNA_F

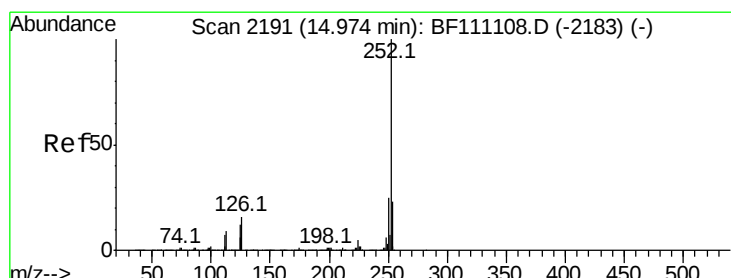
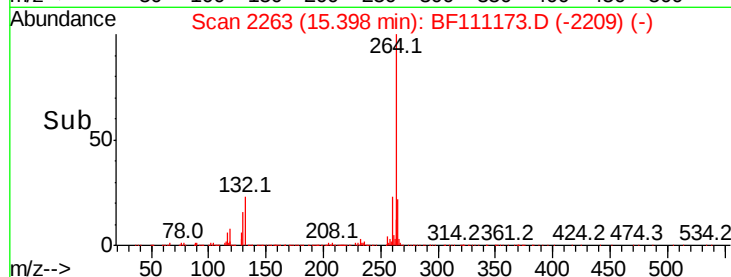
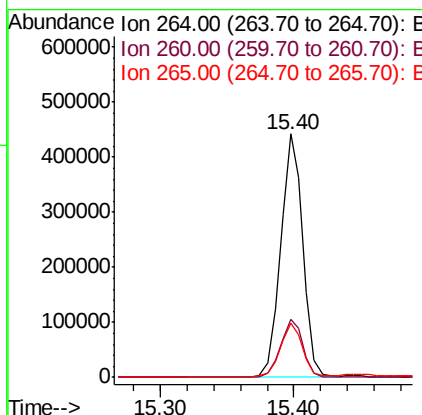
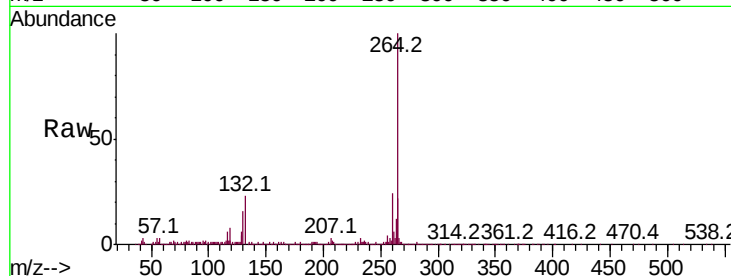
ClientSampled :

S5

Tot Ion:	264	Resp:	514404
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.4	29.0
265	22.4	17.4	26.0

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 11.523 ng m

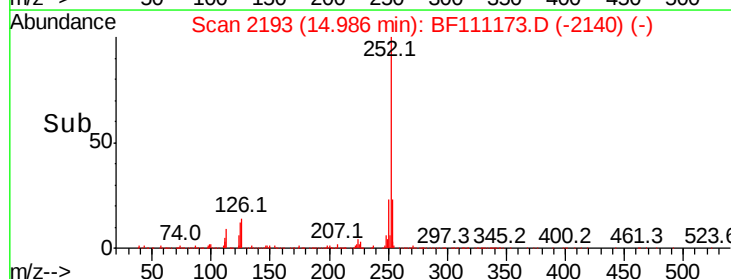
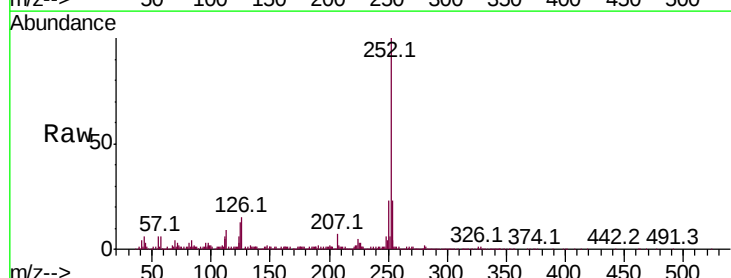
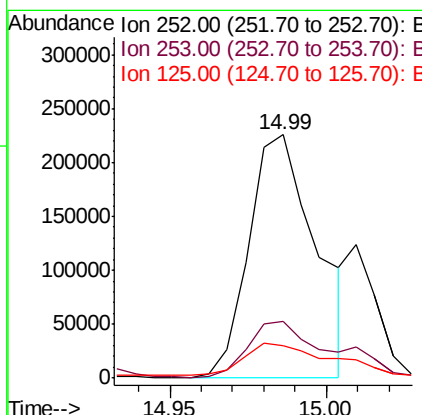
RT: 14.99 min Scan# 2193

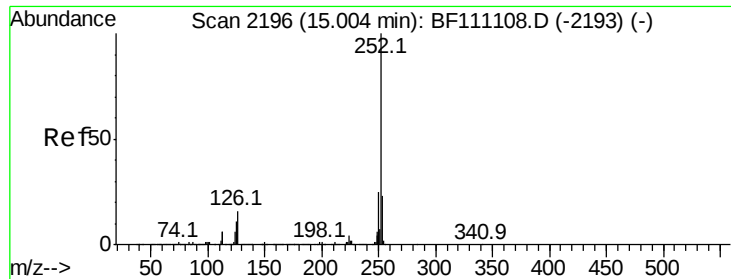
Delta R.T. 0.01 min

Lab File: BF111173.D

Acq: 7 Dec 2018 8:10

Tgt Ion:	252	Resp:	335885
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.5	27.7
125	13.5	9.9	14.9





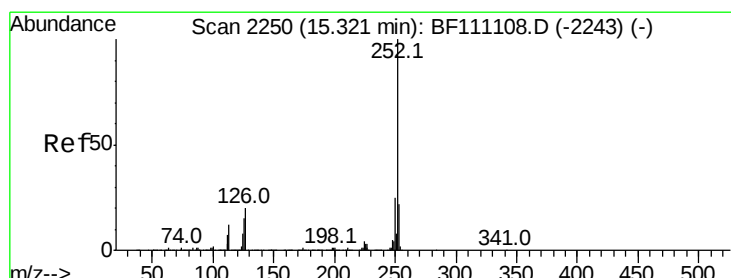
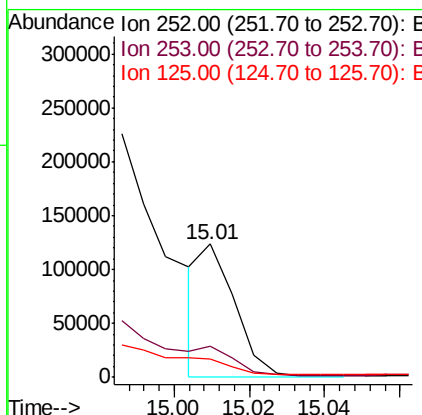
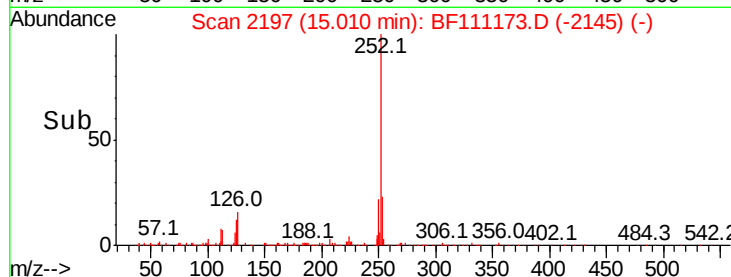
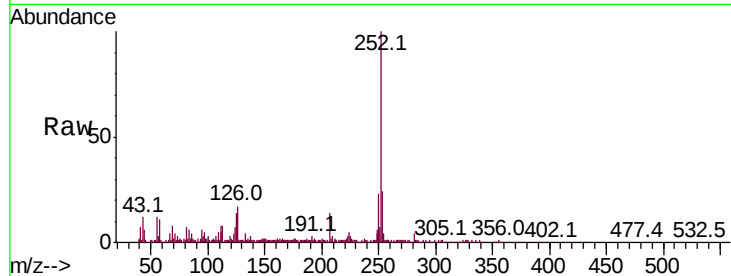
#89
Benzo(k)fluoranthene
Concen: 2.887 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Instrument :
BNA_F
ClientSampled :
S5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	14.1	9.9	14.9

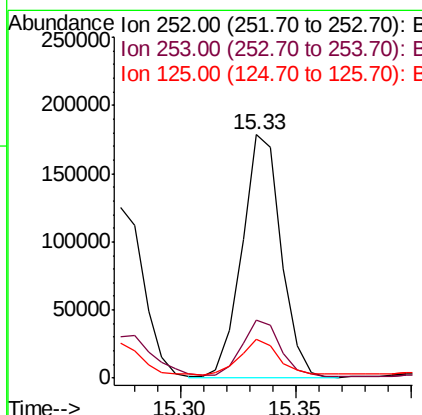
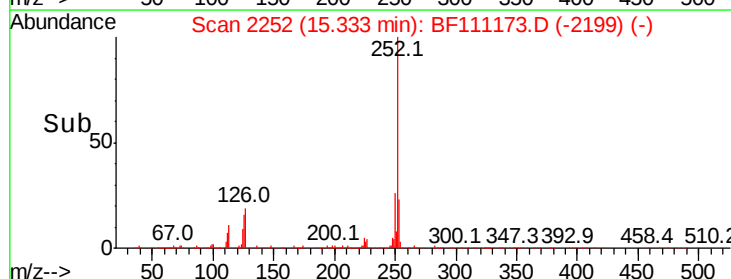
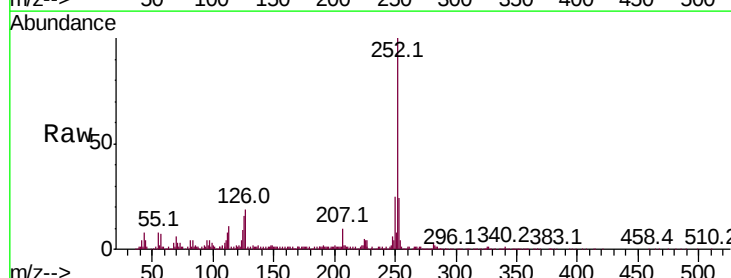
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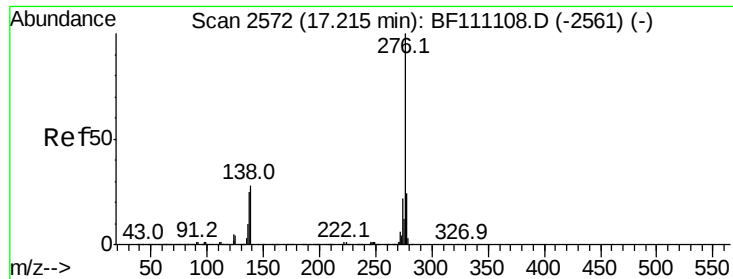
mohammad
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#90
Benzo(a)pyrene
Concen: 7.847 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111173.D
Acq: 7 Dec 2018 8:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	16.1	12.4	18.6





#92
 Benzo(a,h,i)perylene
 Concen: 5.120 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. 0.02 min
 Lab File: BF111173.D
 Acq: 7 Dec 2018 8:10

Instrument :
 BNA_F
 ClientSampleId :
 S5

Tot Ion:	276	Resp:	115433
Ion Ratio	Lower	Upper	
276	100		
277	21.7	19.3	28.9
138	25.4	22.3	33.5

Manual Integrations
 APPROVED

mohammad
 12/10/2018 12:19:45 PM

