

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111174.D
 Acq On : 7 Dec 2018 8:37
 Operator : JU/SJ
 Sample : J6168-28
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S6

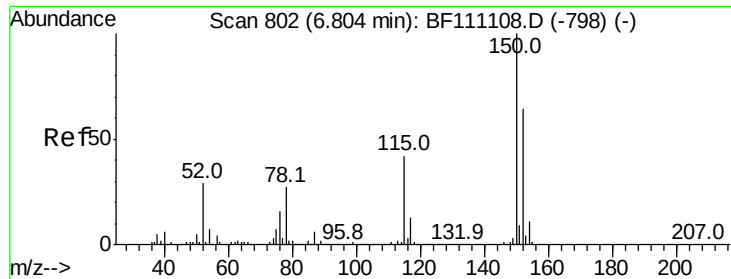
Manual Integrations
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 12/10/2018 12:19:47 PM

Quant Time: Dec 07 09:51:56 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	399143	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1449456	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	567734	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	879609	20.00	ng	0.00
76) Chrysene-d12	13.96	240	680609	20.00	ng	0.00
87) Perylene-d12	15.40	264	476970	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	2473449	96.70	ng	0.01
7) Phenol-d6	6.44	99	3070272	93.18	ng	0.00
23) Nitrobenzene-d5	7.37	82	1840584	75.18	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	445619	98.74	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2517363	81.48	ng	0.00
79) Terphenyl-d14	12.91	244	1959102	58.95	ng	0.00
Target Compounds						
10) Phenol	6.45	94	238728	6.645	ng	89
50) Dimethylphthalate	9.56	163	394172	9.976	ng	97
71) Phenanthrene	11.35	178	250755	5.927	ng	94
75) Fluoranthene	12.53	202	441484	10.663	ng	97
78) Pyrene	12.76	202	375013	7.072	ng	94
81) Benzo(a)anthracene	13.95	228	168851	4.234	ng	97
83) Chrysene	13.98	228	154938	3.914	ng	95
84) Bis(2-ethylhexyl)phthalate	13.96	149	97638	3.156	ng	# 80
85) Di-n-octyl phthalate	14.56	149	137171	2.820	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.80	276	68702	2.161	ng	# 90
88) Benzo(b)fluoranthene	14.98	252	149767m	5.541	ng	
89) Benzo(k)fluoranthene	15.00	252	54753m	2.096	ng	
90) Benzo(a)pyrene	15.33	252	105890	4.271	ng	97
92) Benzo(a,h,i)perylene	17.23	276	68398	3.272	ng	94

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



#1

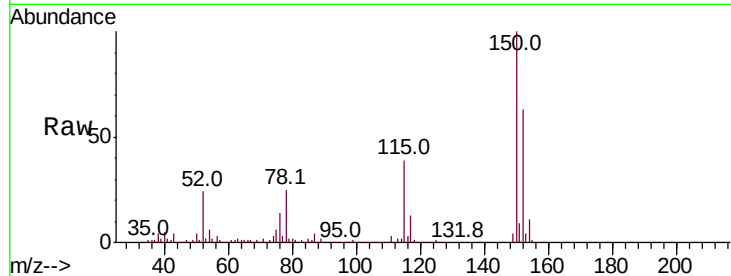
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Instrument :
BNA_F
ClientSampled :
S6

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	187.0
115	62.0	52.2	78.2

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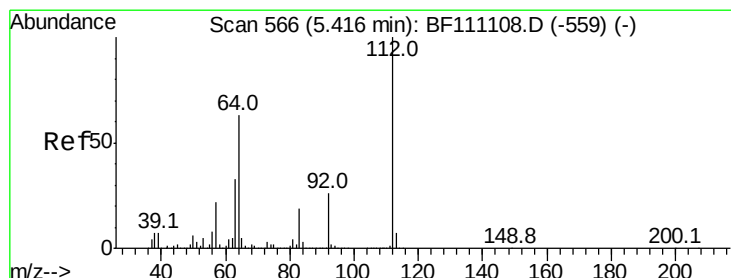
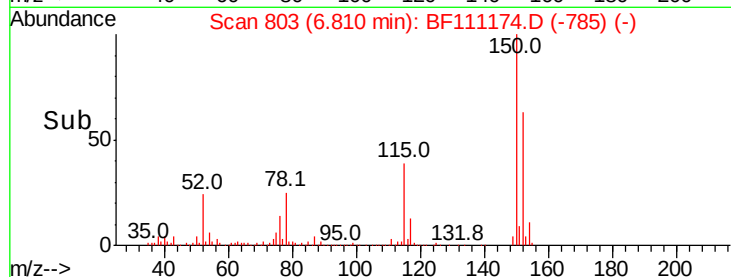
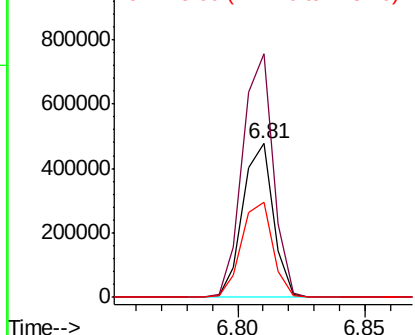


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

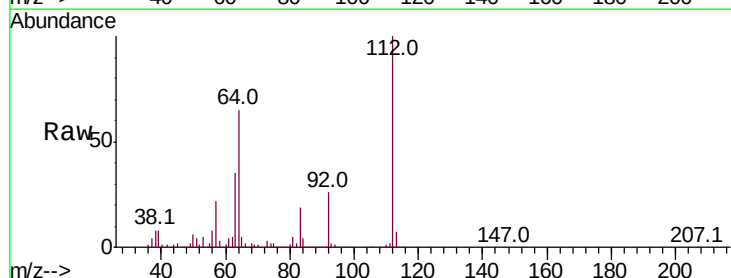
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.700 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	50.2	75.4
63	34.6	26.6	39.8

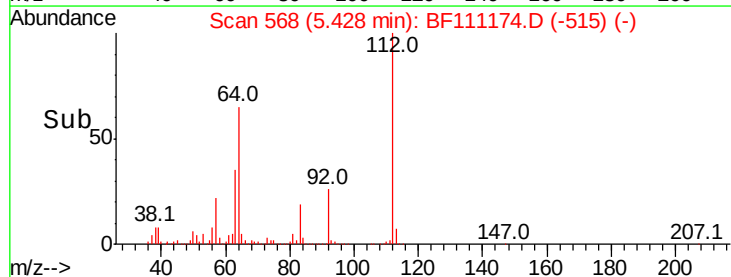
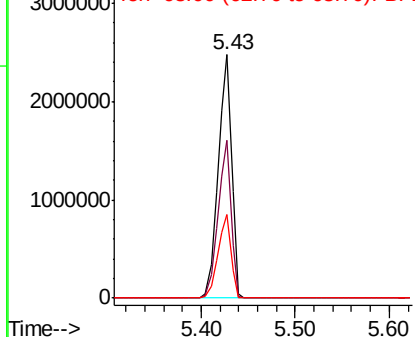


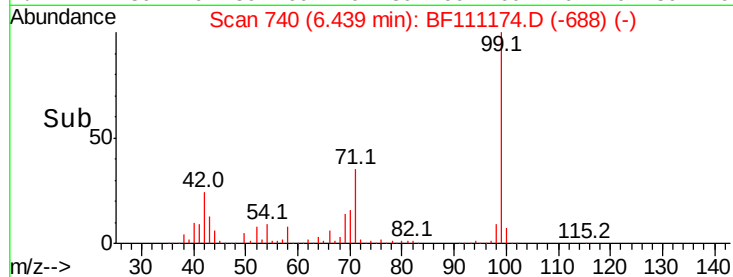
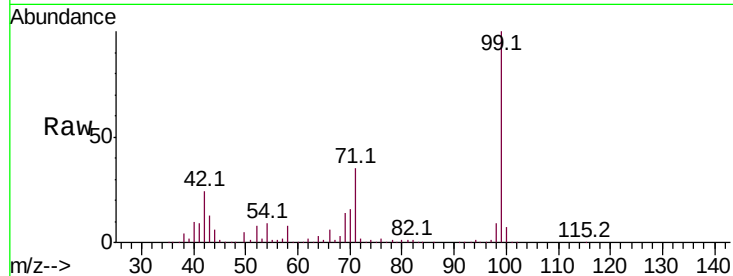
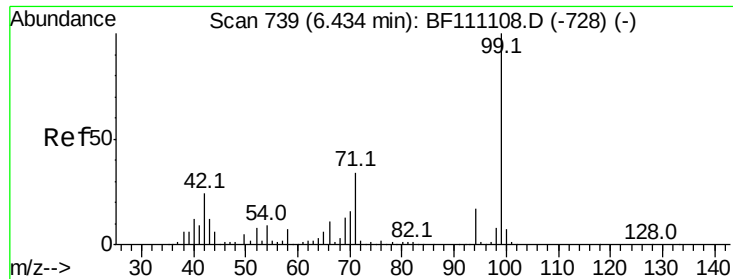
Abundance

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: 93.181 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

Tot Ion: 99 Resp: 3070272

Ion Ratio Lower Upper

99 100

42 24.0 19.3 28.9

71 35.4 27.4 41.2

Instrument :

BNA_F

ClientSampled :

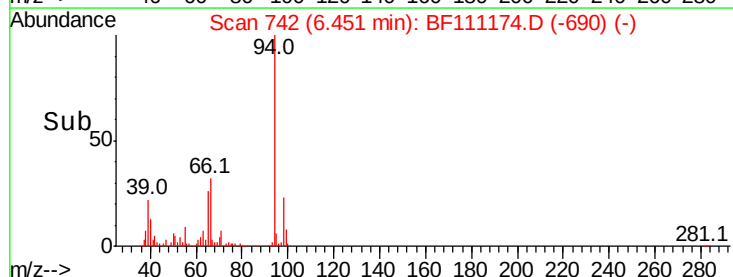
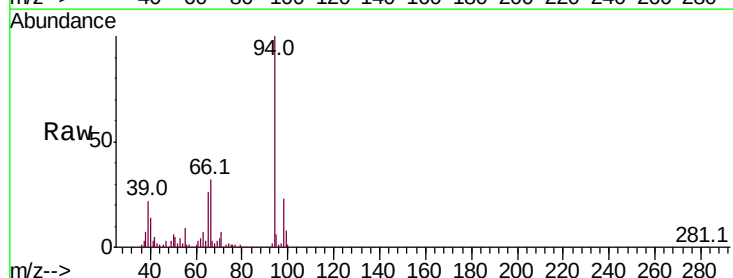
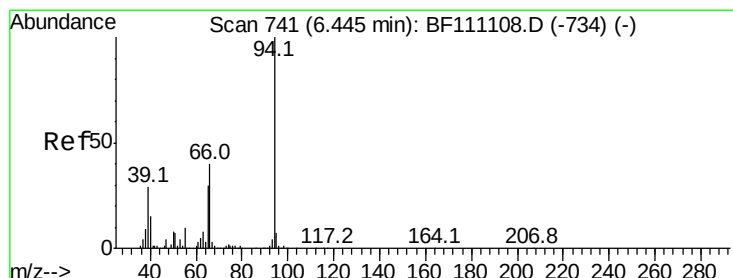
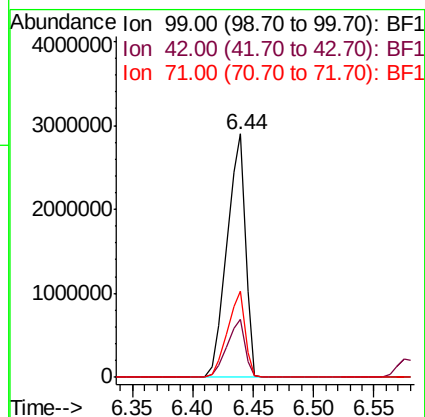
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#10

Phenol

Concen: 6.645 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

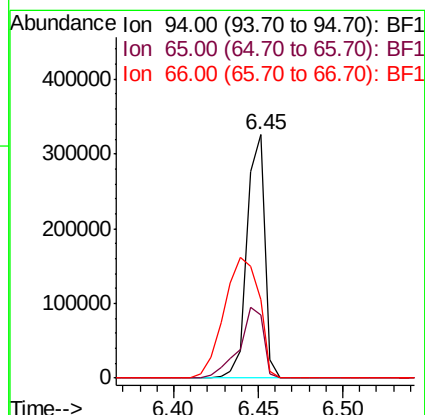
Tgt Ion: 94 Resp: 238728

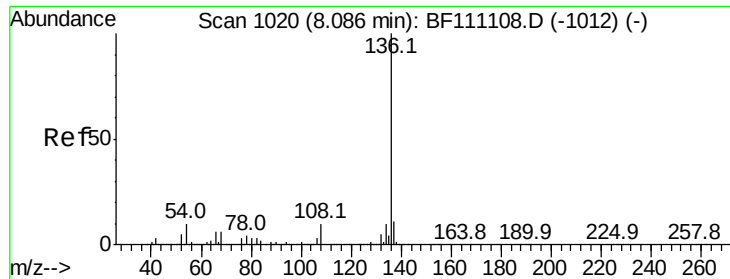
Ion Ratio Lower Upper

94 100

65 25.9 10.5 50.5

66 32.3 19.8 59.8





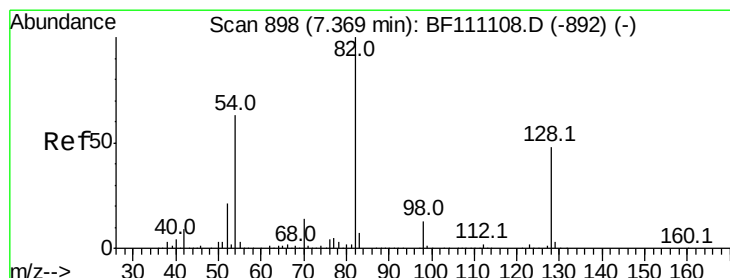
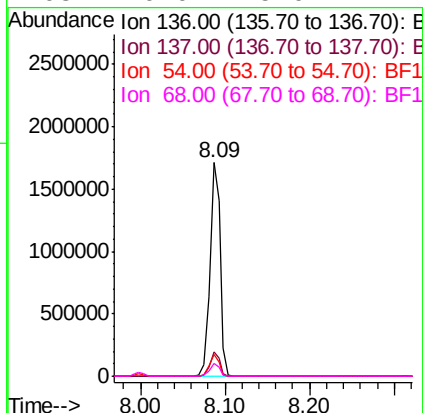
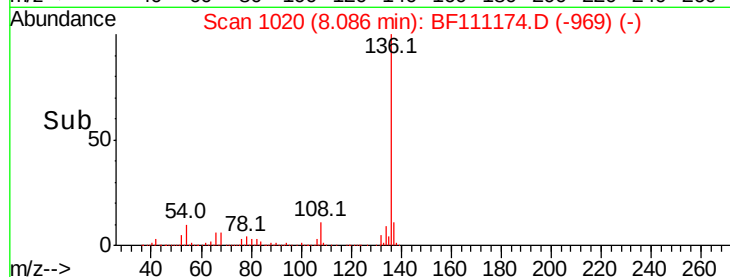
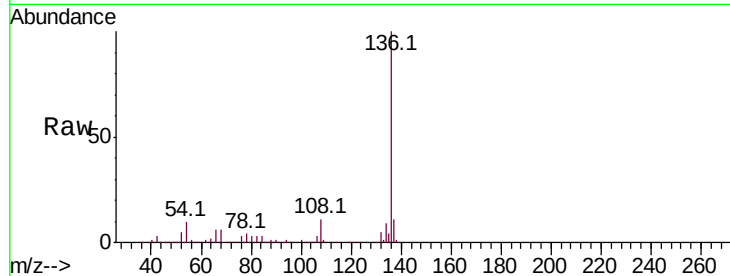
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Instrument :
BNA_F
ClientSampled :
S6

Tot Ion	136	Resp	1449456
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	10.4	8.4	12.6
68	6.0	5.0	7.4

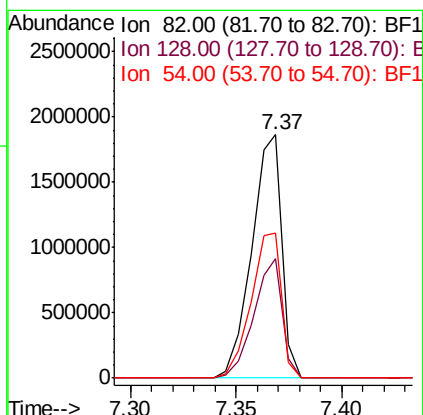
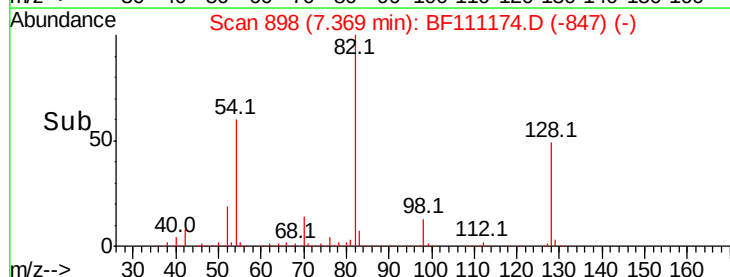
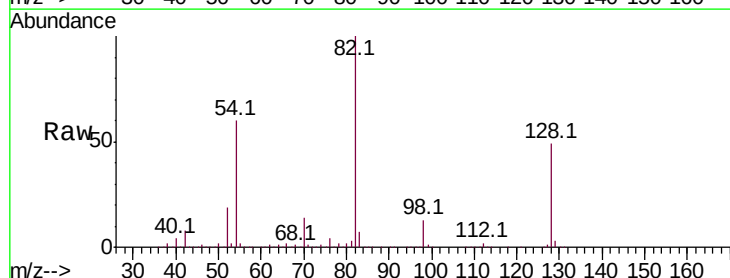
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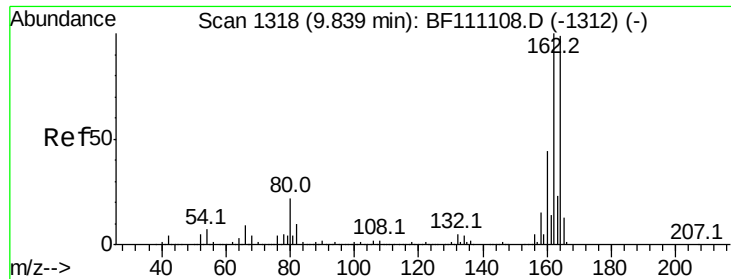
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#23
Nitrobenzene-d5
Concen: 75.179 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion	82	Resp	1840584
Ion	Ratio	Lower	Upper
82	100		
128	49.2	38.1	57.1
54	59.6	50.3	75.5





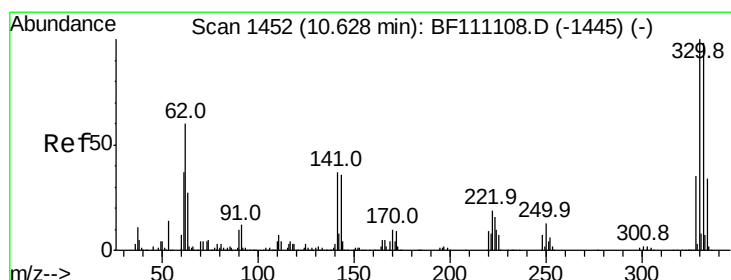
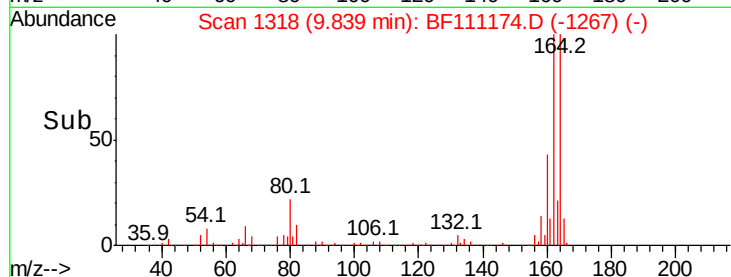
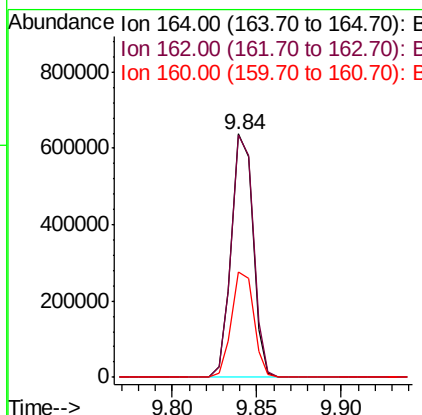
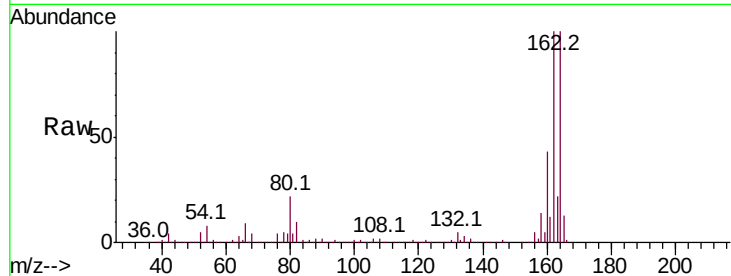
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Instrument :
BNA_F
ClientSampleId :
S6

Tot Ion	Ratio	Resp	Lower	Upper
164	100	567734		
162	99.5	80.6	120.8	
160	43.4	35.5	53.3	

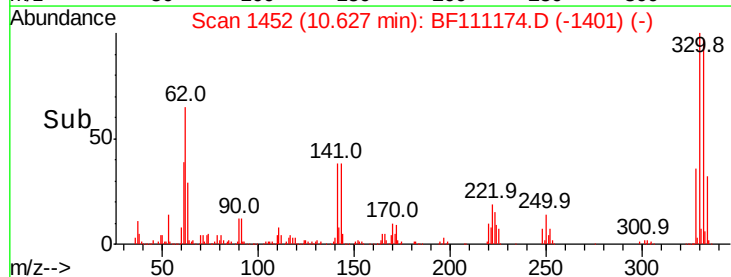
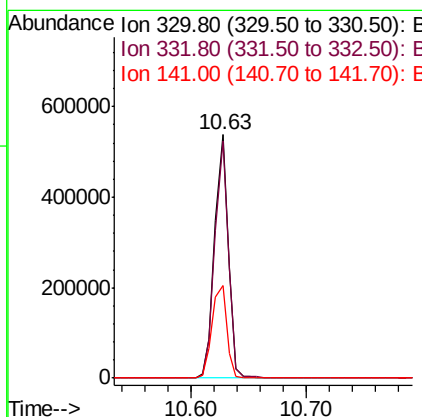
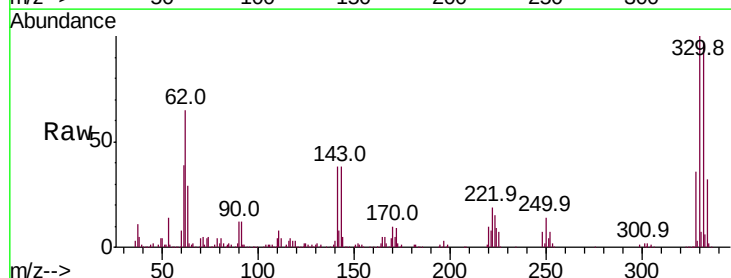
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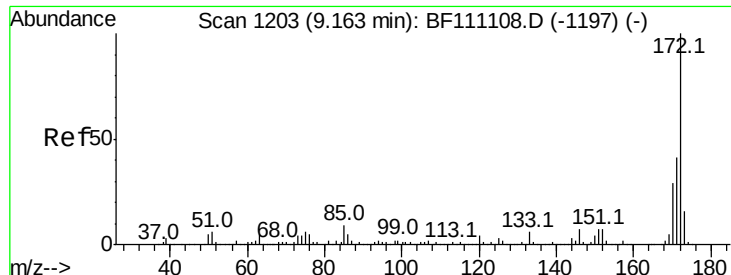
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#42
2,4,6-Tribromophenol
Concen: 98.745 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	445619		
332	97.2	77.2	115.8	
141	41.4	36.1	54.1	





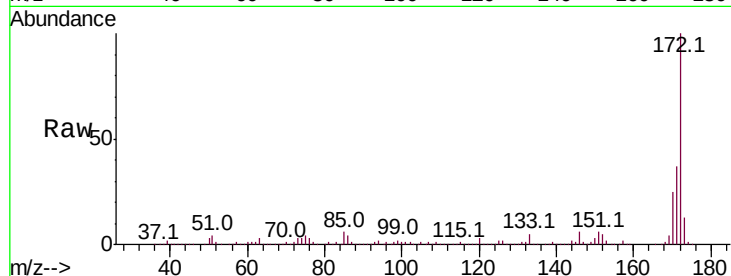
#45
2-Fluorobiphenyl
Concen: 81.482 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Instrument :
BNA_F
ClientSampleId :
S6

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	33.2	49.8
170	24.7	22.9	34.3

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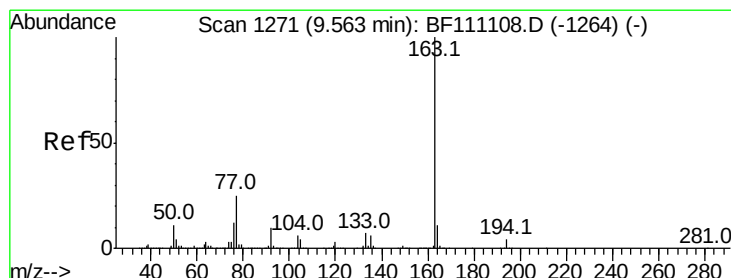
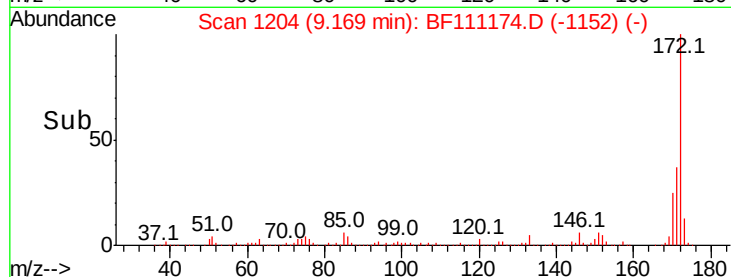
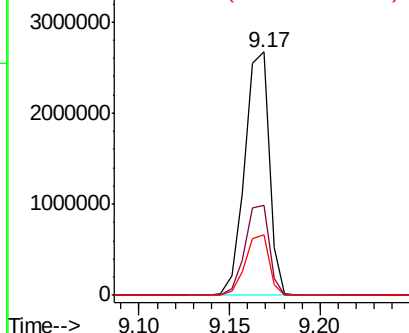


Abundance

Ion 172.00 (171.70 to 172.70): E

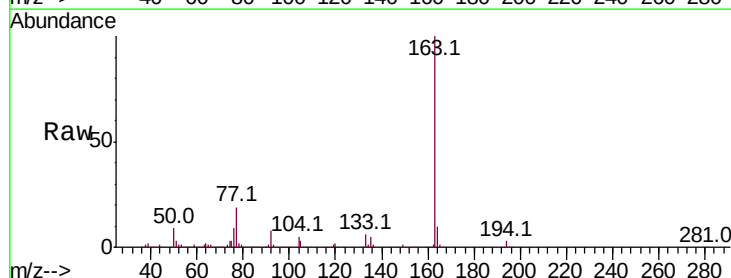
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 9.976 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.4
164	9.6	8.9	13.3

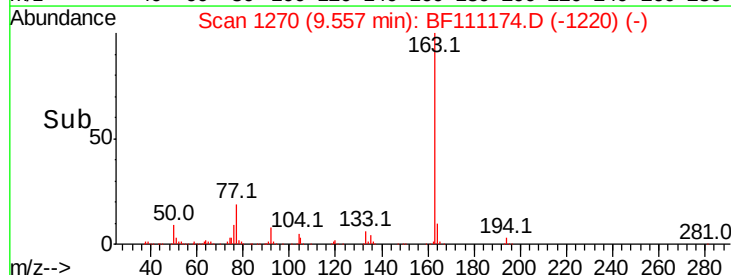
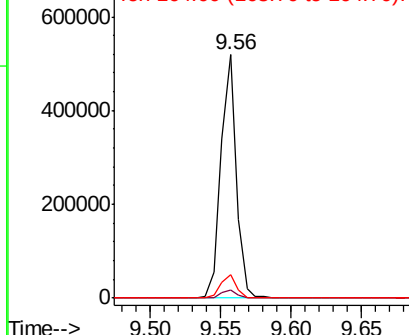


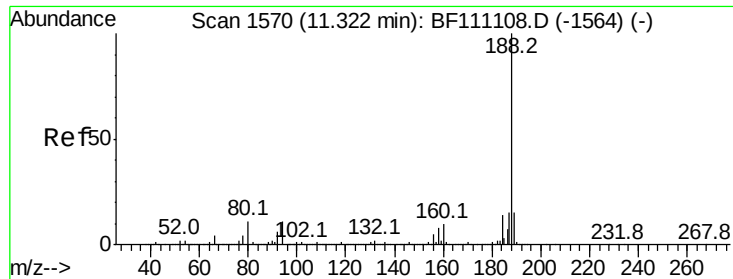
Abundance

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





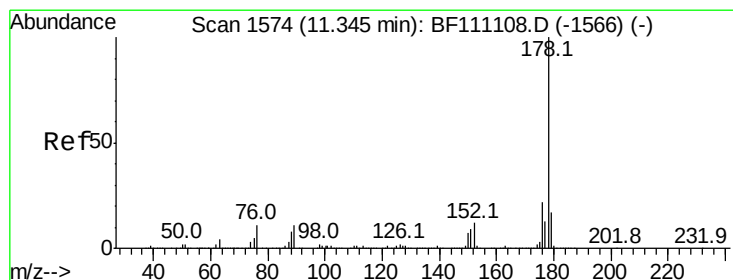
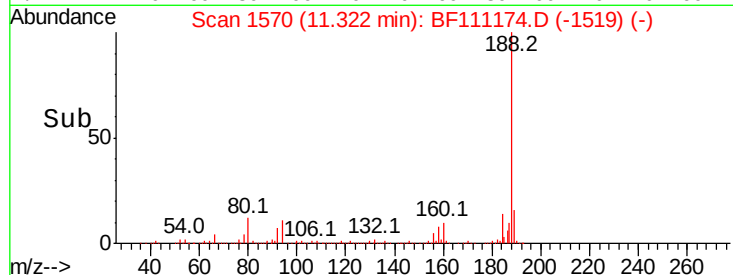
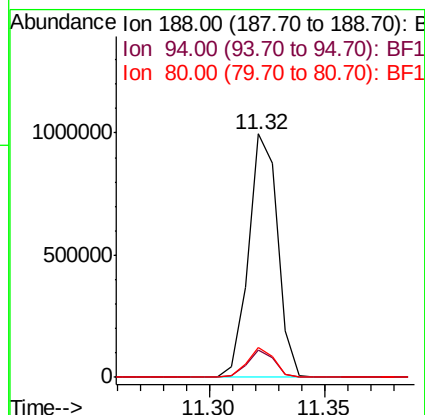
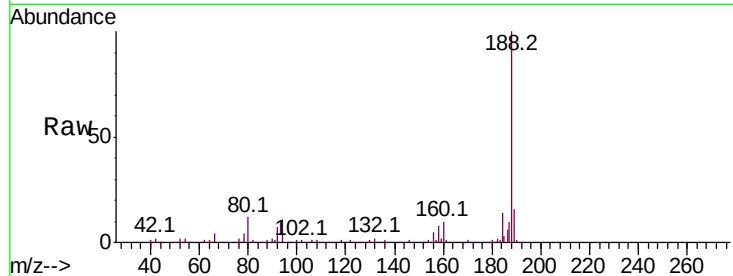
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Instrument :
BNA_F
ClientSampled :
S6

Tot Ion	Ratio	Resp	Lower	Upper
188	100	879609		
94	11.5		8.5	12.7
80	12.2		9.0	13.6

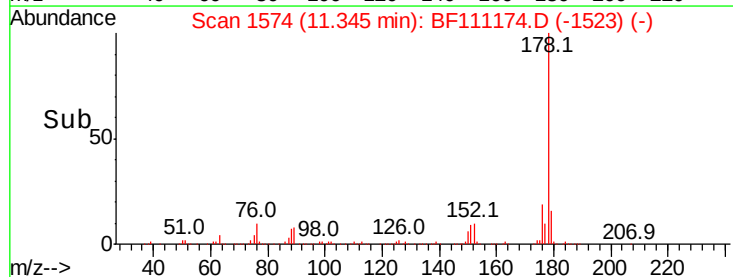
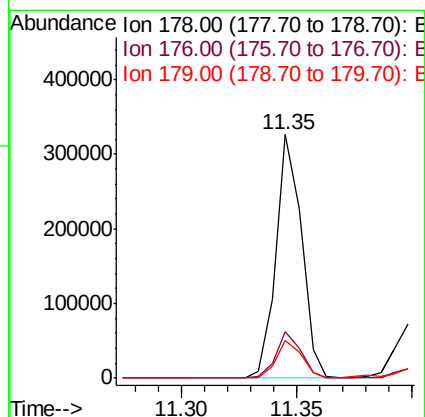
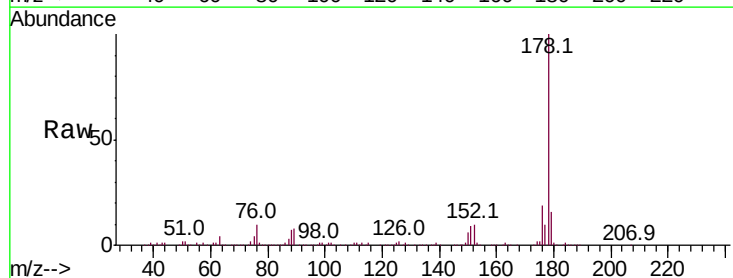
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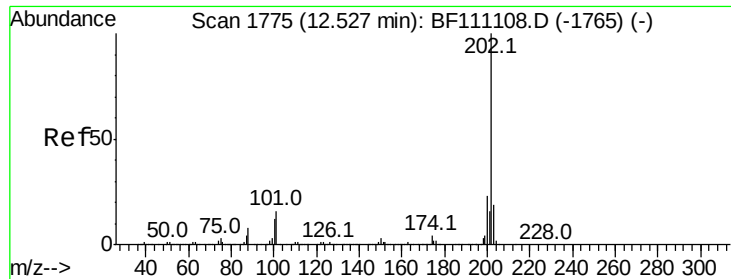
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#71
Phenanthrene
Concen: 5.927 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	250755		
176	18.9		17.7	26.5
179	15.7		14.0	21.0





#75

Fluoranthene

Concen: 10.663 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

Instrument :

BNA_F

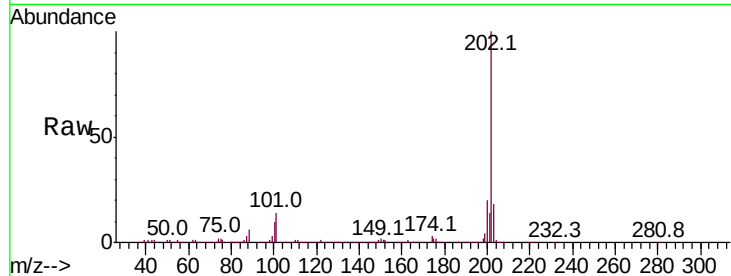
ClientSampled :

S6

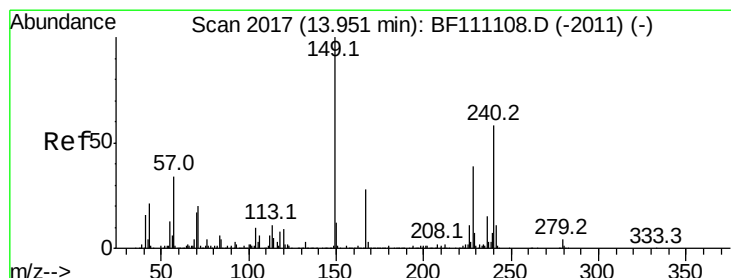
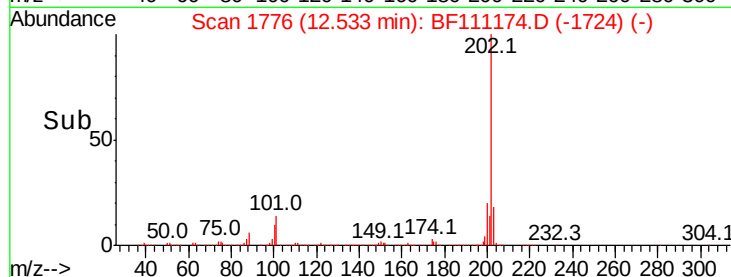
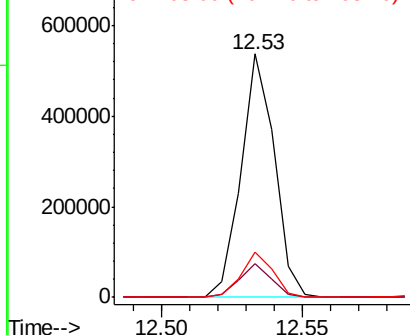
Tot Ion	Ion	Ratio	Resp	Lower	Upper
441484	202	100			
	101	13.6	0.0	35.8	
	203	18.4	0.0	38.6	

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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: 13.96 min Scan# 2018

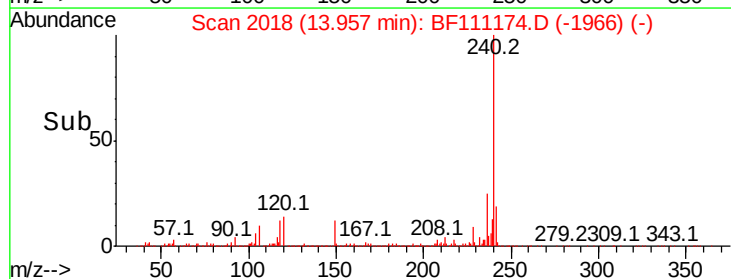
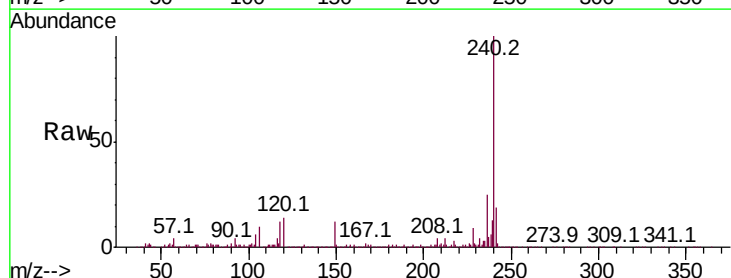
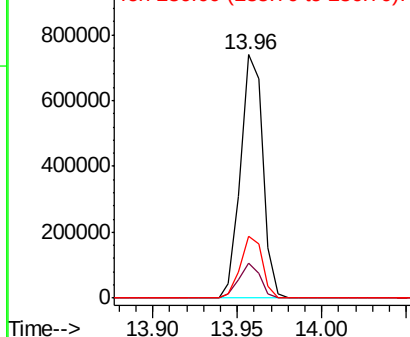
Delta R.T. 0.01 min

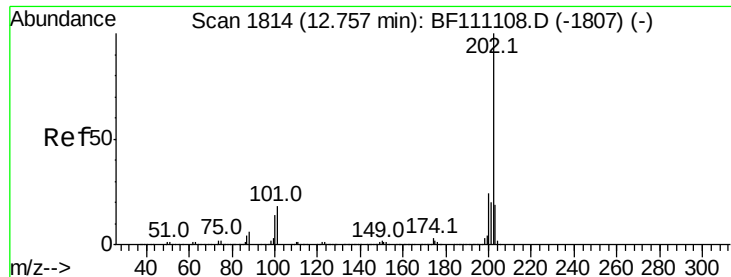
Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
680609	240	100			
	120	14.2	12.8	19.2	
	236	25.3	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





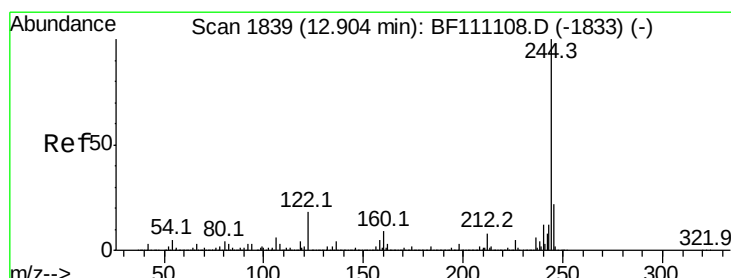
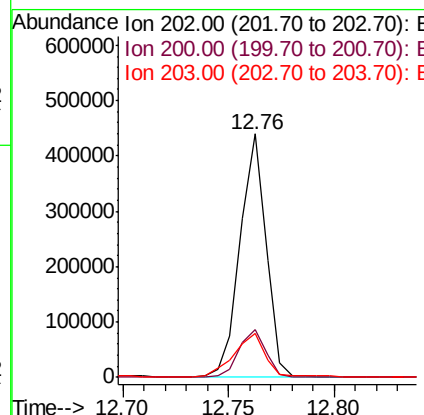
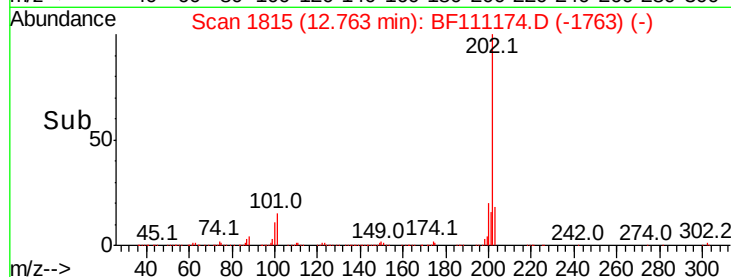
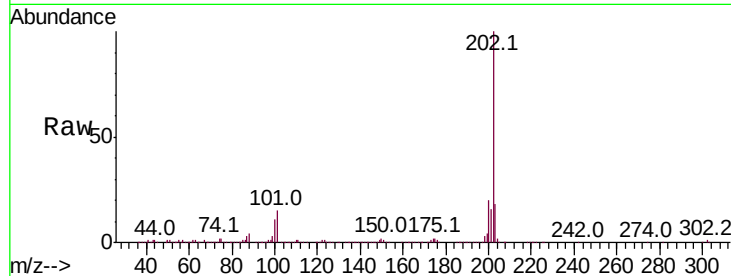
#78
Pvrene
Concen: 7.072 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Instrument :
BNA_F
ClientSampled :
S6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.8	19.3	28.9
203	17.9	15.4	23.2

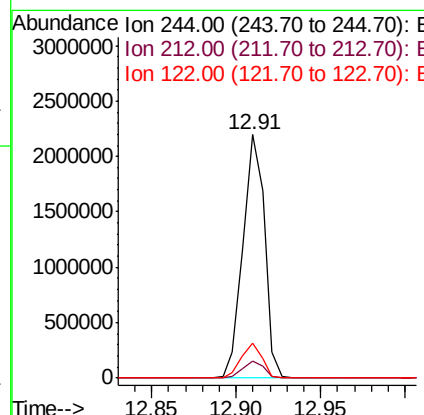
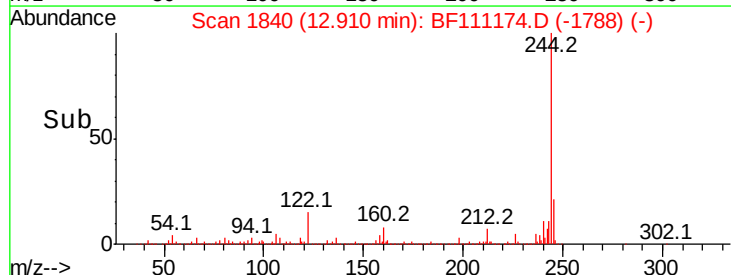
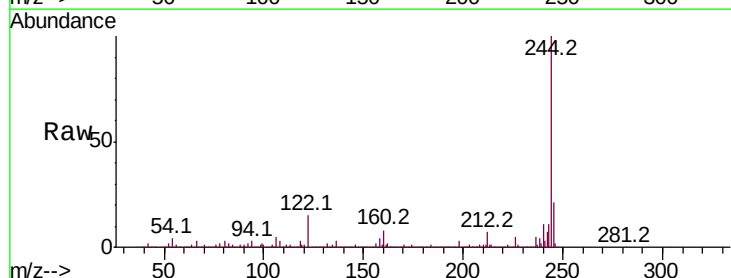
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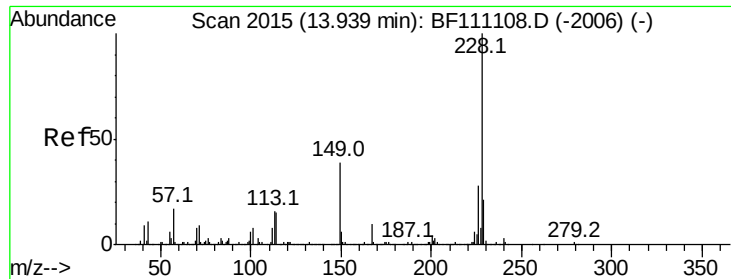
mohammad
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#79
Terphenyl-d14
Concen: 58.950 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.6	9.8
122	14.6	14.2	21.2





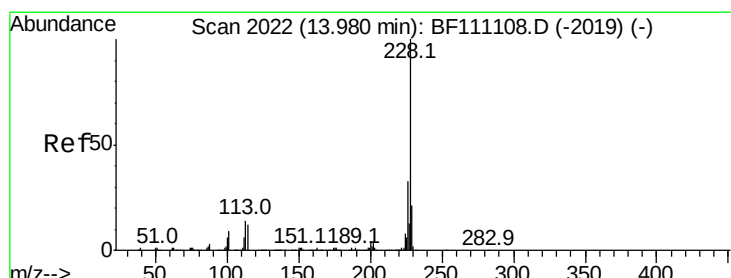
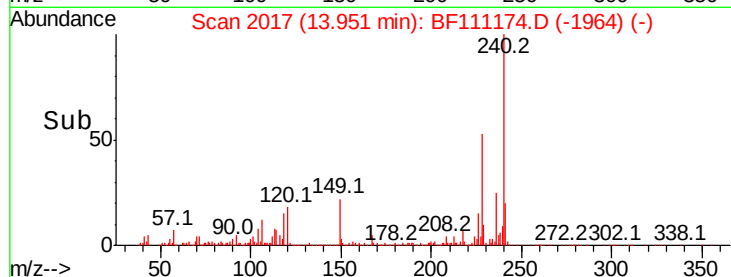
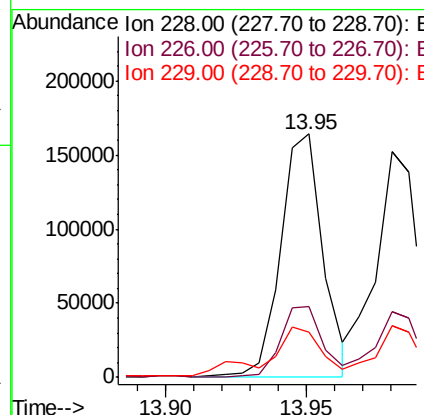
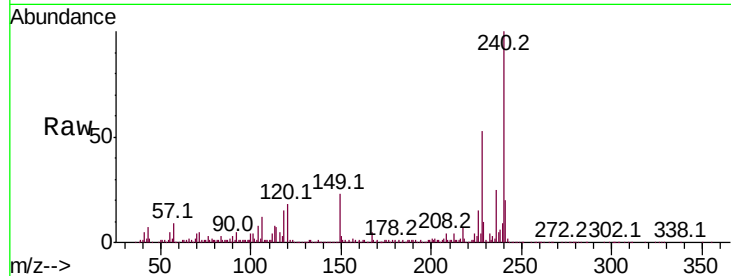
#81
Benzo(a)anthracene
Concen: 4.234 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Instrument :
BNA_F
ClientSampled :
S6

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	34.0
229	18.7	16.7	25.1

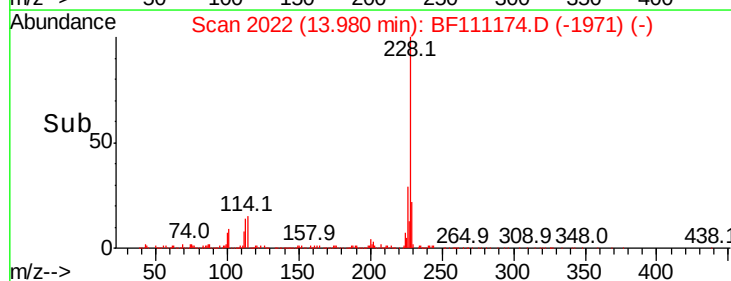
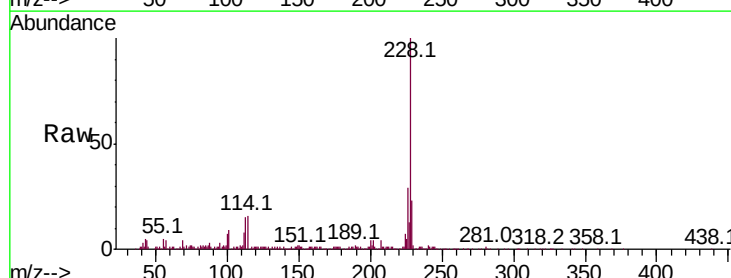
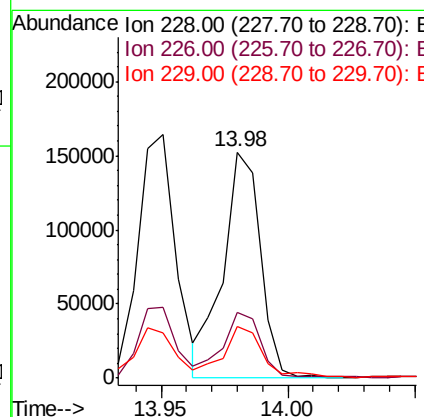
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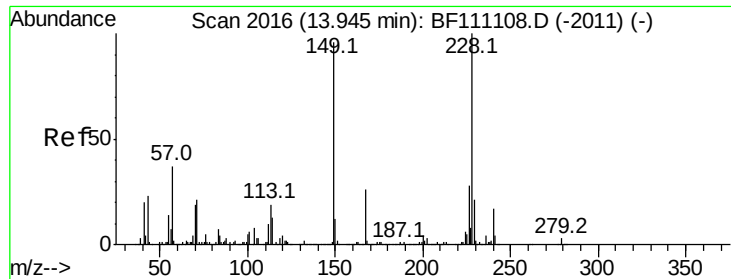
mohammad
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#83
Chrysene
Concen: 3.914 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	26.2	39.2
229	22.7	16.9	25.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.156 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

Instrument :

BNA_F

ClientSampleId :

S6

Tot Ion:149 Resp: 97638

Ion Ratio Lower Upper

149 100

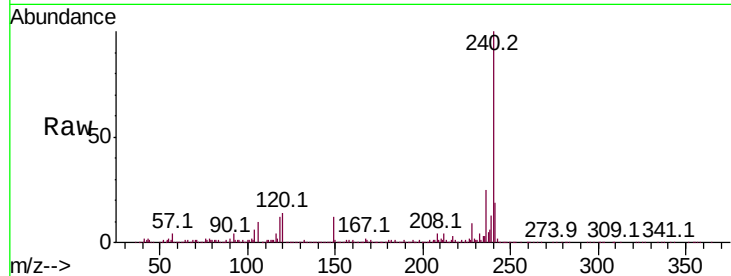
167 15.6 21.6 32.4#

279 1.9 2.3 3.5#

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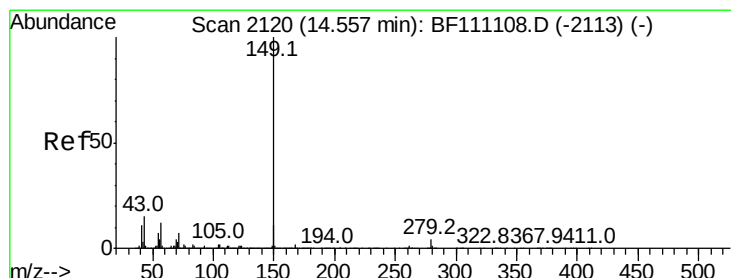
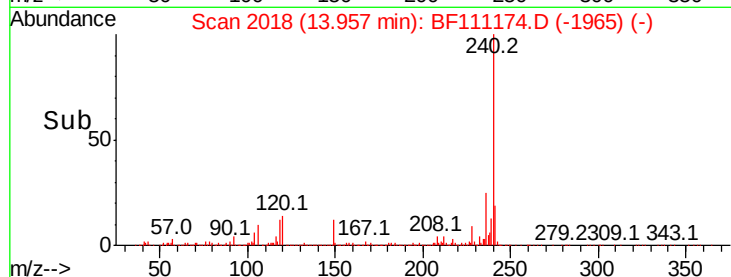
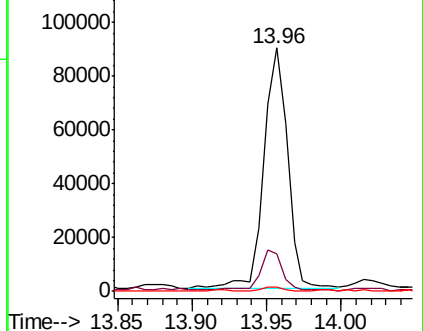
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 2.820 ng

RT: 14.56 min Scan# 2121

Delta R.T. 0.01 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

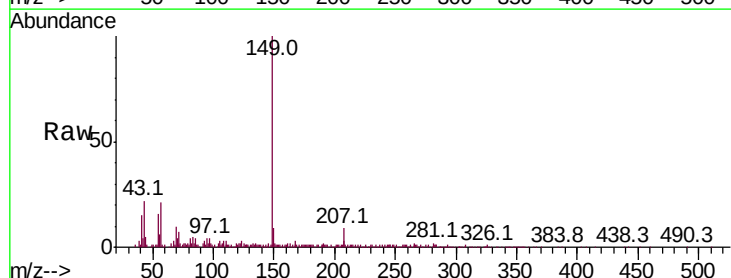
Tgt Ion:149 Resp: 137171

Ion Ratio Lower Upper

149 100

167 2.3 1.3 1.9#

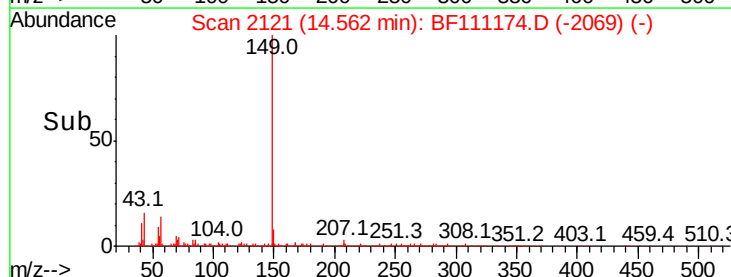
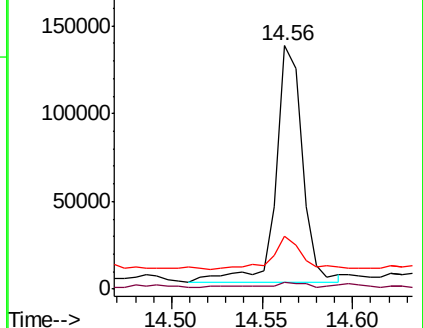
43 15.8 11.9 17.9

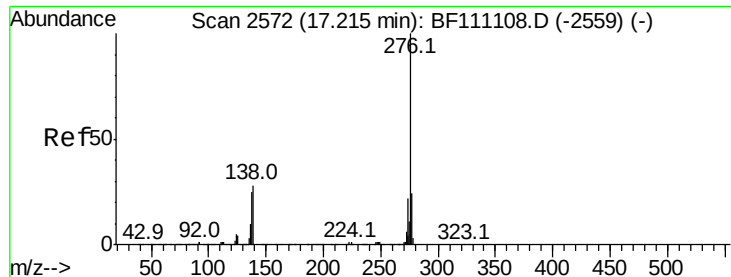


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.161 ng

RT: 16.80 min Scan# 2502

Delta R.T. 0.02 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

Instrument :

BNA_F

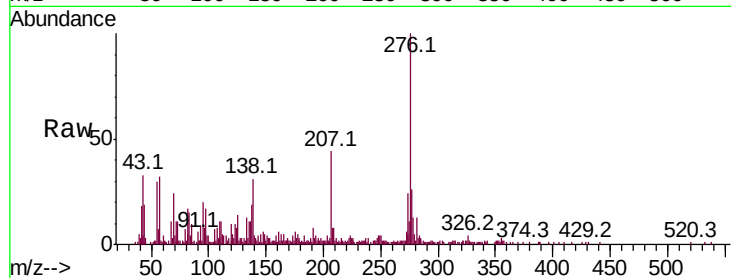
ClientSampled :

S6

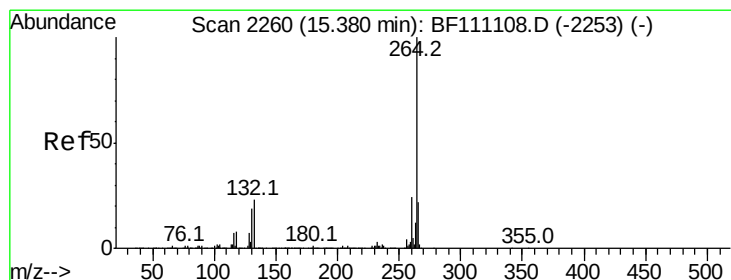
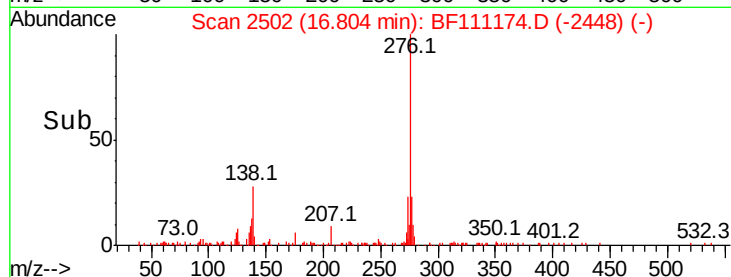
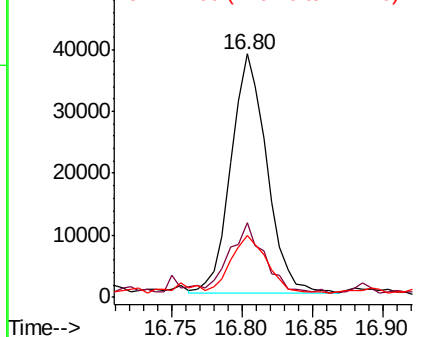
Tot Ion:	276	Resp:	68702
Ion Ratio	Lower	Upper	
276	100		
138	29.9	20.2	30.4
277	24.5	15.8	23.6

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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

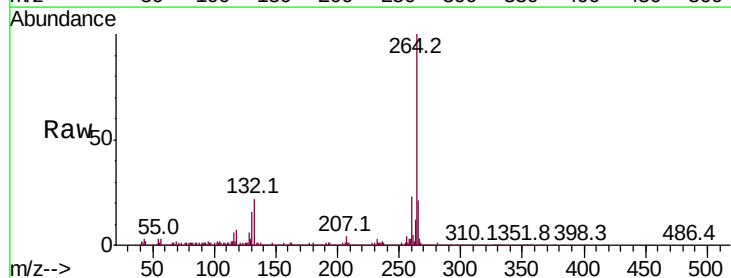
RT: 15.40 min Scan# 2263

Delta R.T. 0.02 min

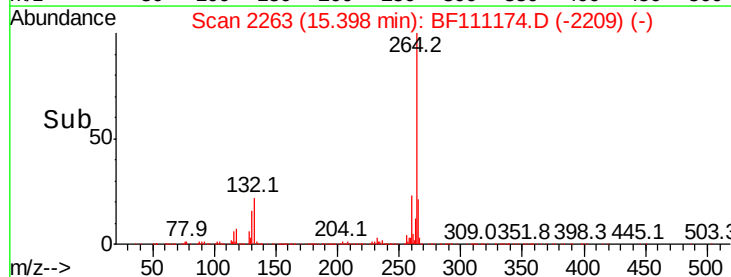
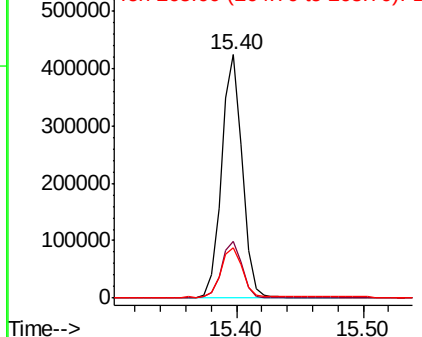
Lab File: BF111174.D

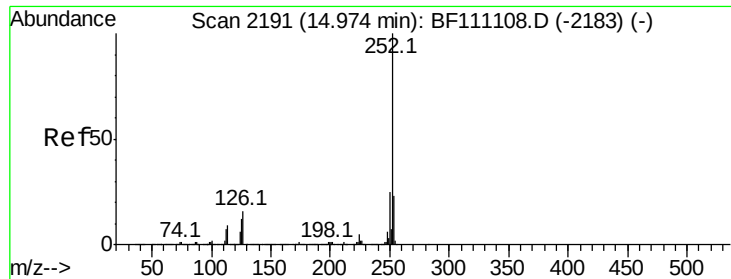
Acq: 7 Dec 2018 8:37

Tgt Ion:	264	Resp:	476970
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.4	29.0
265	20.8	17.4	26.0



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: 5.541 ng m

RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

Instrument :

BNA_F

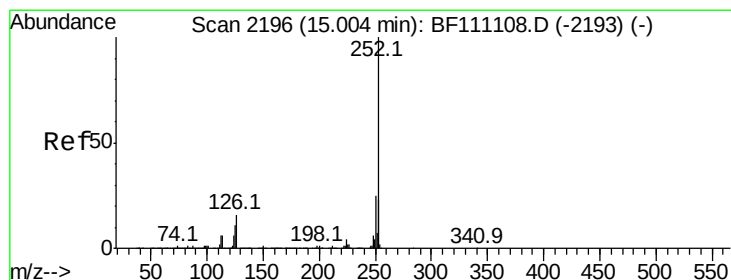
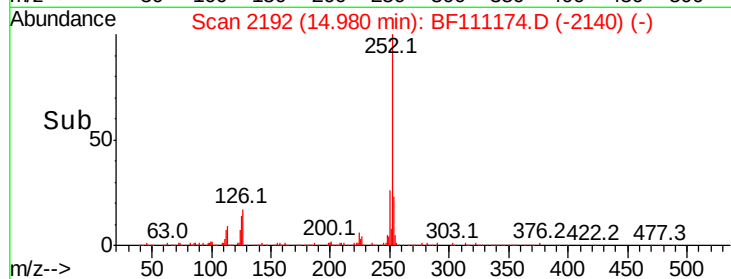
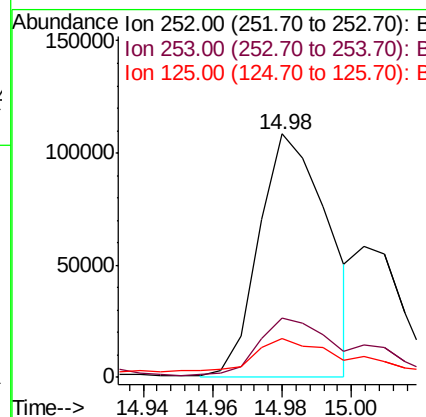
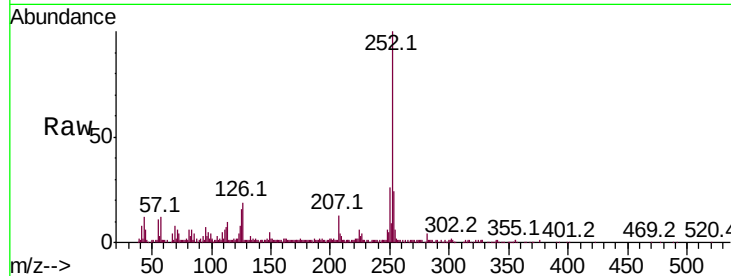
ClientSampled :

S6

Tot Ion:	252	Resp:	149767
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.5	27.7
125	16.0	9.9	14.9#

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#89

Benzo(k)fluoranthene

Concen: 2.096 ng m

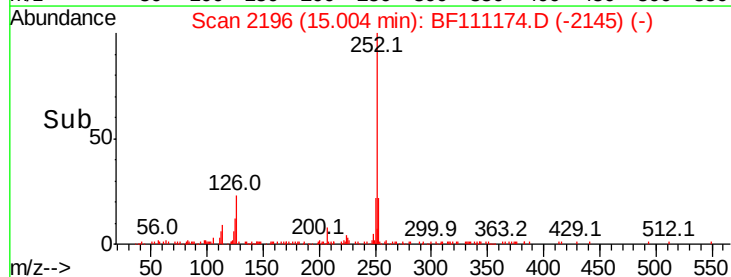
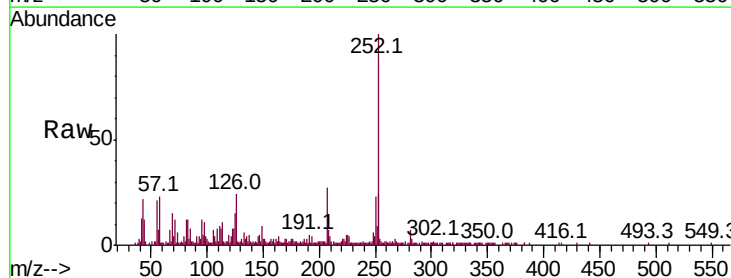
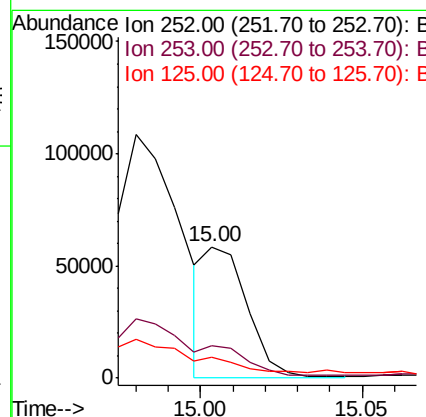
RT: 15.00 min Scan# 2196

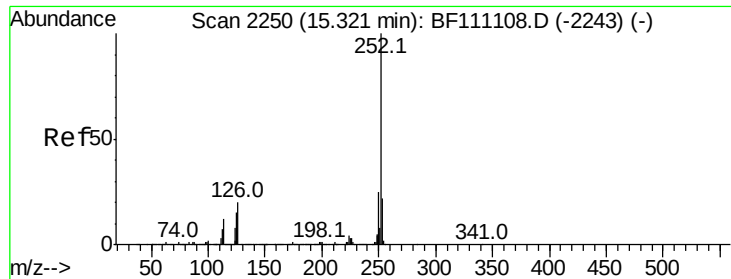
Delta R.T. -0.00 min

Lab File: BF111174.D

Acq: 7 Dec 2018 8:37

Tgt Ion:	252	Resp:	54753
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.2	27.4
125	15.4	9.9	14.9#





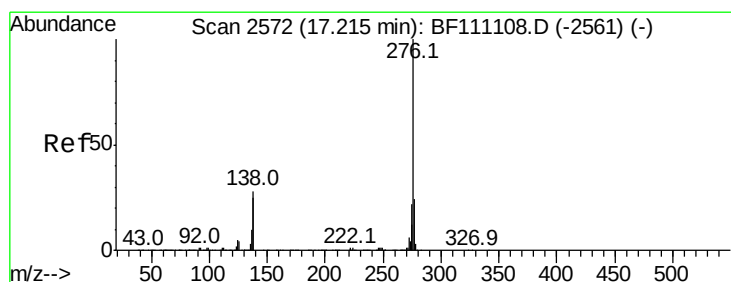
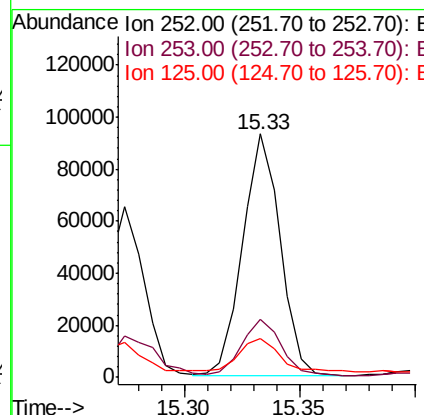
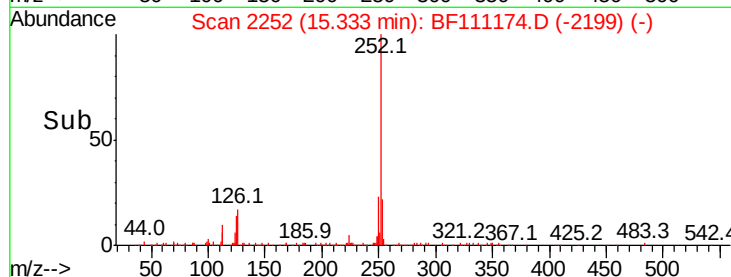
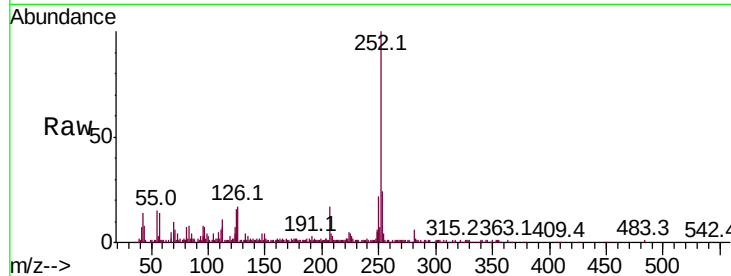
#90
Benzo(a)pyrene
Concen: 4.271 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Instrument :
BNA_F
ClientSampleId :
S6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	16.0	12.4	18.6

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#92
Benzo(g,h,i)perylene
Concen: 3.272 ng
RT: 17.23 min Scan# 2574
Delta R.T. 0.01 min
Lab File: BF111174.D
Acq: 7 Dec 2018 8:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.0	19.3	28.9
138	31.4	22.3	33.5

