

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
 Data File : BF111114.D
 Acq On : 5 Dec 2018 18:31
 Operator : JU/SJ
 Sample : J5775-03 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-113018

Manual Integrations
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 12/6/2018 12:11:48 PM

Quant Time: Dec 05 18:59:50 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	6.80	152	551054	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	2201872	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	994905	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1486154	20.00	ng	0.00
76) Chrysene-d12	13.96	240	982938	20.00	ng	0.00
87) Perylene-d12	15.39	264	777360	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1610640	45.61	ng	-0.01
7) Phenol-d6	6.42	99	2050544	45.08	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1229333	33.05	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	321038	40.59	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2119257	30.15	ng	0.00
79) Terphenyl-d14	12.92	244	1466013	30.54	ng	0.01
Target Compounds						
10) Phenol	6.43	94	124439	2.509	ng	92
50) Dimethylphthalate	9.55	163	147588	2.131	ng	# 96
52) Acenaphthene	9.87	154	143817	2.461	ng	97
58) Fluorene	10.38	166	225234	3.968	ng	98
71) Phenanthrene	11.35	178	1674387	23.422	ng	96
72) Anthracene	11.39	178	491333	6.819	ng	95
73) Carbazole	11.54	167	180779	2.411	ng	95
75) Fluoranthene	12.54	202	2104749	30.089	ng	83
78) Pyrene	12.77	202	3287921	42.936	ng	99
81) Benzo(a)anthracene	13.95	228	1989050	34.538	ng	99
83) Chrysene	13.99	228	1903648	33.297	ng	98
84) Bis(2-ethylhexyl)phthalate	13.95	149	478870	10.717	ng	100
86) Indeno(1,2,3-cd)pyrene	16.80	276	984847	21.455	ng	92
88) Benzo(b)fluoranthene	14.98	252	2382804m	54.095	ng	
89) Benzo(k)fluoranthene	15.00	252	775048m	18.201	ng	
90) Benzo(a)pyrene	15.33	252	1597780	39.546	ng	98
91) Dibenzo(a,h)anthracene	16.82	278	241628m	7.127	ng	
92) Benzo(g,h,i)perylene	17.23	276	919499	26.987	ng	99

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

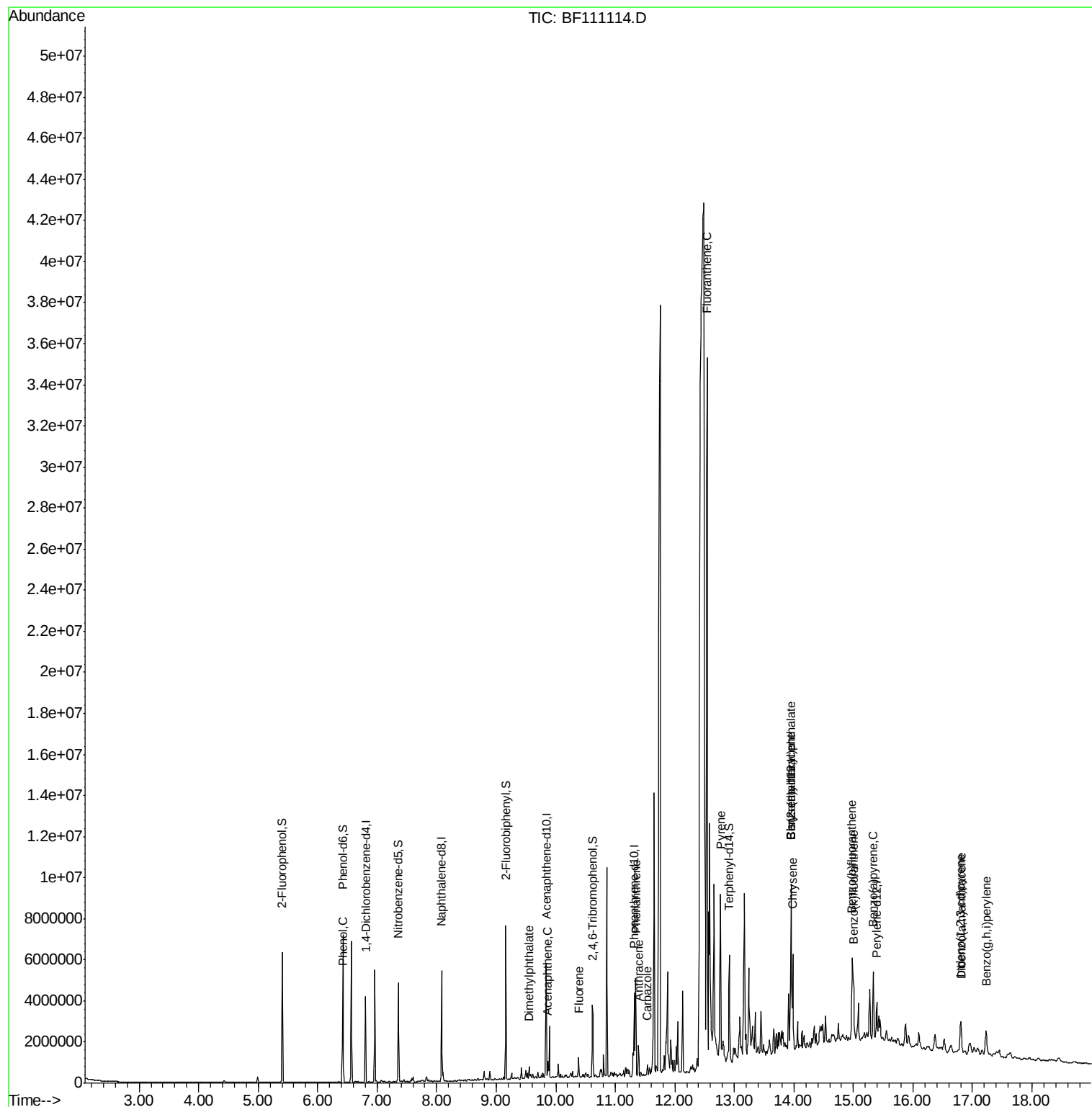
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111114.D
Acq On : 5 Dec 2018 18:31
Operator : JU/SJ
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Misc :
ALS Vial : 11 Sample Multiplier: 1

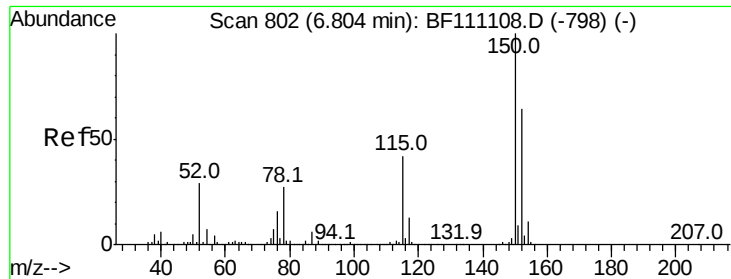
Instrument :
BNA_F
ClientSampleId :
TR-04-113018

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 05 17:30:55 2018
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#1

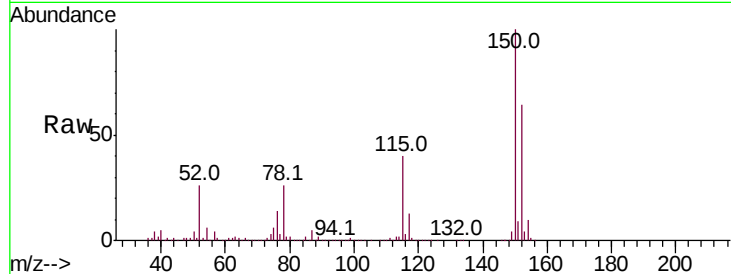
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Instrument :
BNA_F
ClientSampled :
TR-04-113018

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	187.0
115	63.1	52.2	78.2

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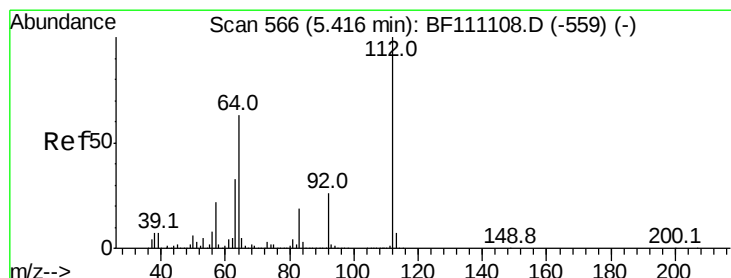
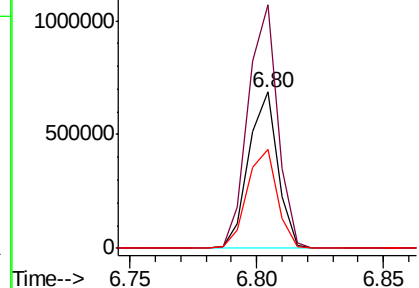
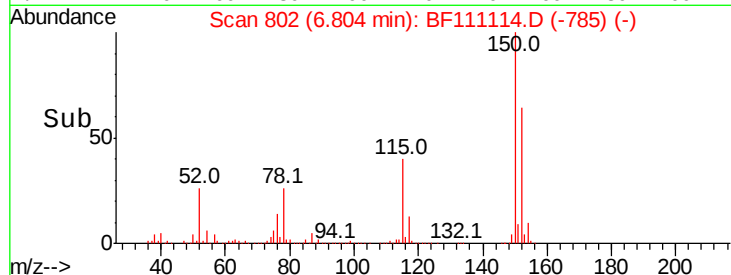


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

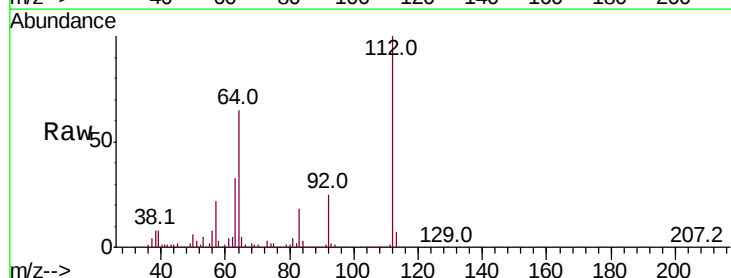
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.610 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	50.2	75.4
63	33.5	26.6	39.8

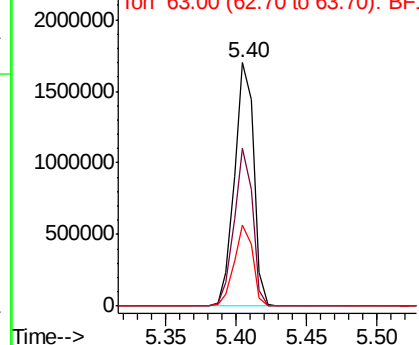
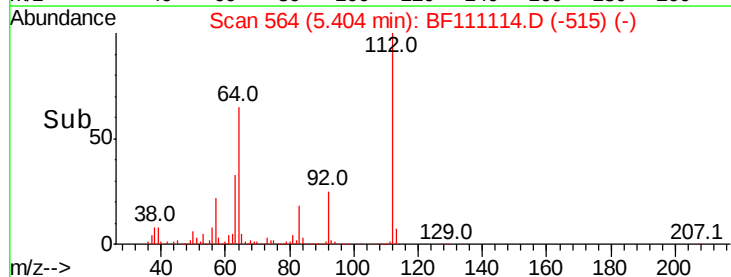


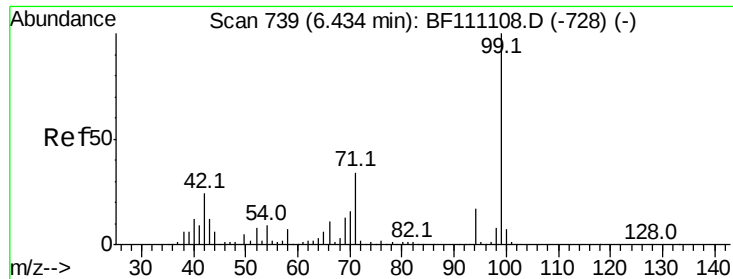
Abundance

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: 45.077 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111114.D

Acq: 5 Dec 2018 18:31

Instrument :

BNA_F

ClientSampleId :

TR-04-113018

Tot Ion: 99 Resp: 2050544

Ion Ratio Lower Upper

99 100

42 23.9 19.3 28.9

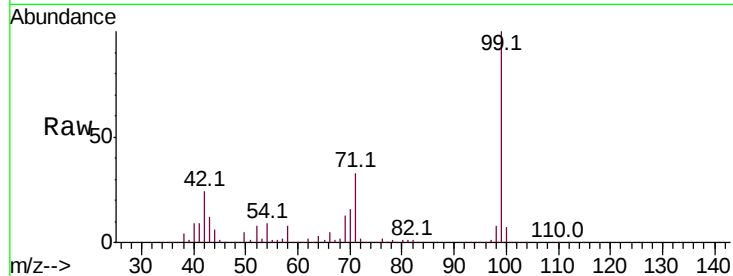
71 33.4 27.4 41.2

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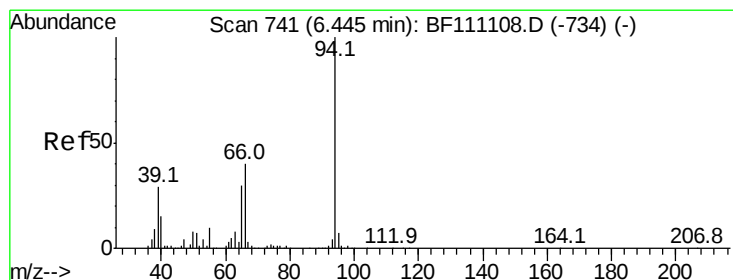
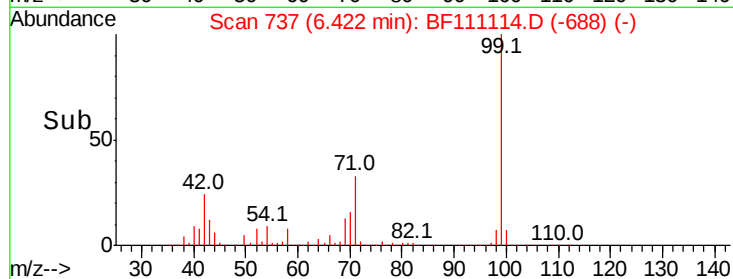
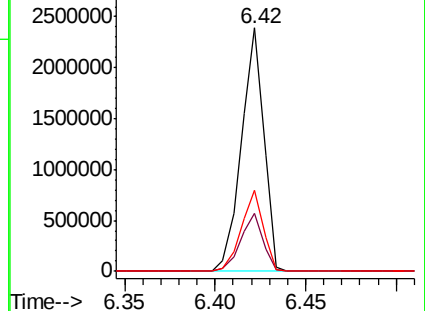
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.509 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111114.D

Acq: 5 Dec 2018 18:31

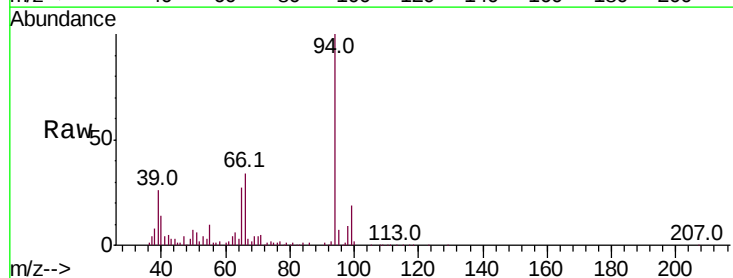
Tgt Ion: 94 Resp: 124439

Ion Ratio Lower Upper

94 100

65 26.9 10.5 50.5

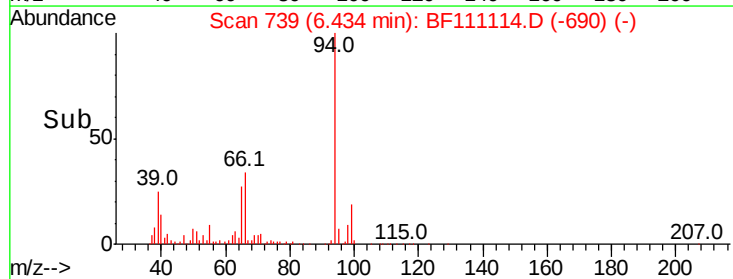
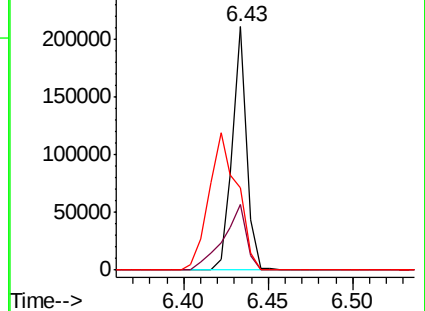
66 33.6 19.8 59.8

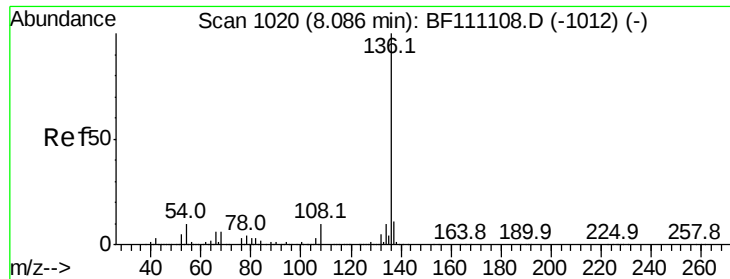


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





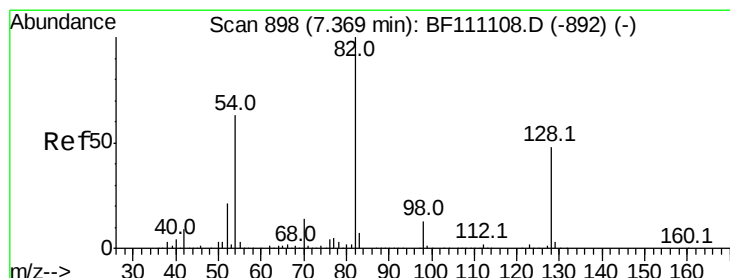
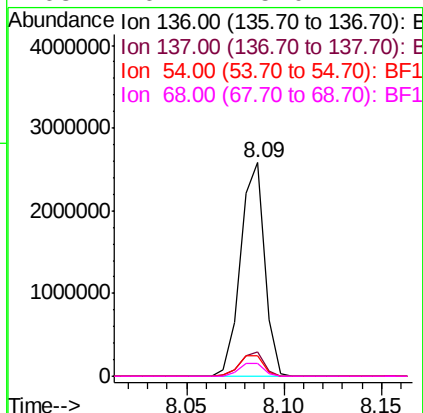
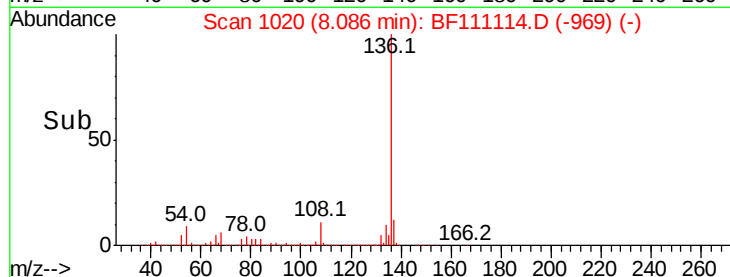
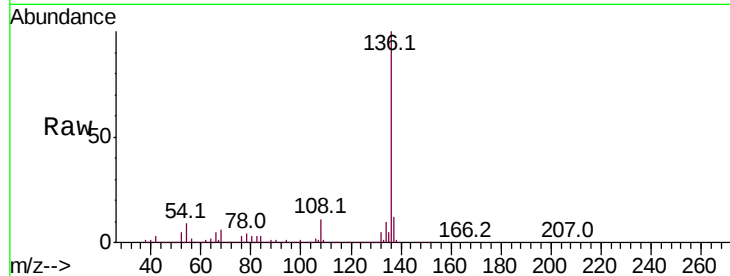
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Instrument :
BNA_F
ClientSampleId :
TR-04-113018

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.6
54	9.5	8.4	12.6
68	6.1	5.0	7.4

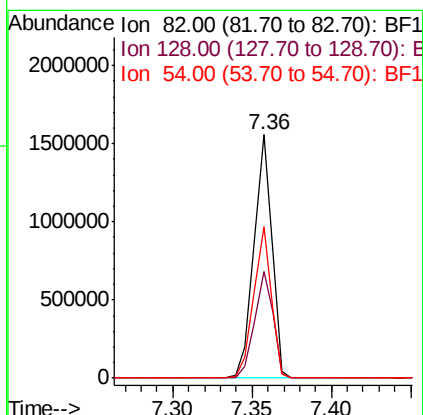
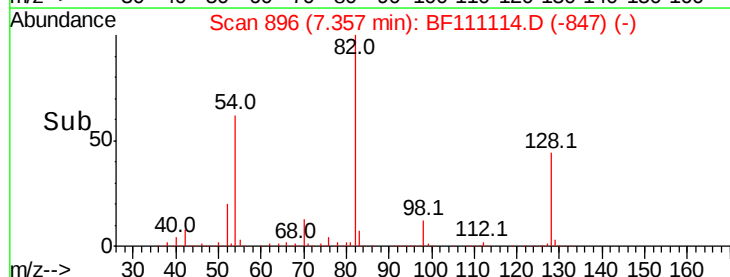
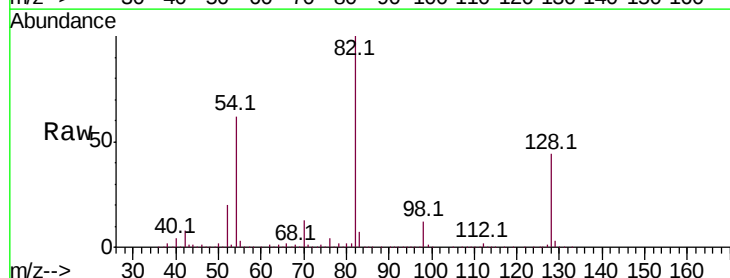
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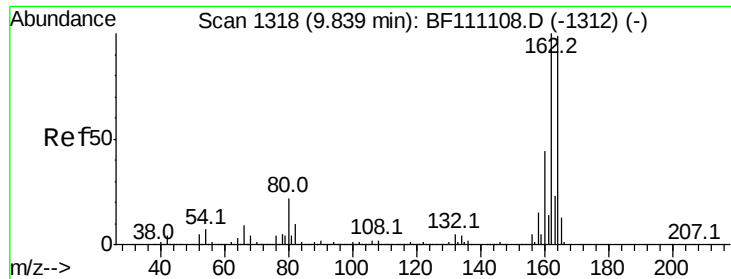
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#23
Nitrobenzene-d5
Concen: 33.054 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.0	38.1	57.1
54	62.2	50.3	75.5





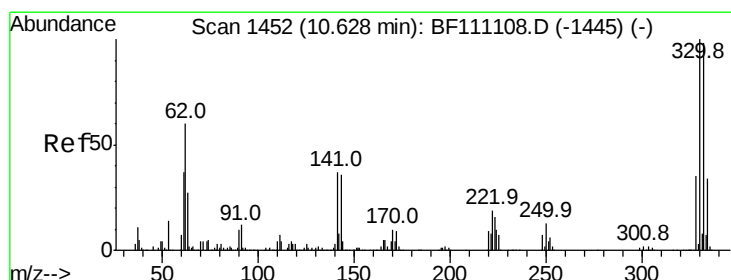
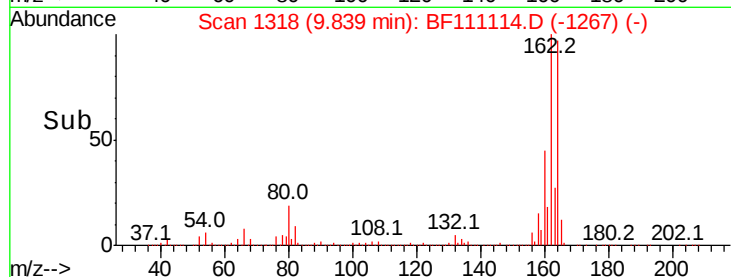
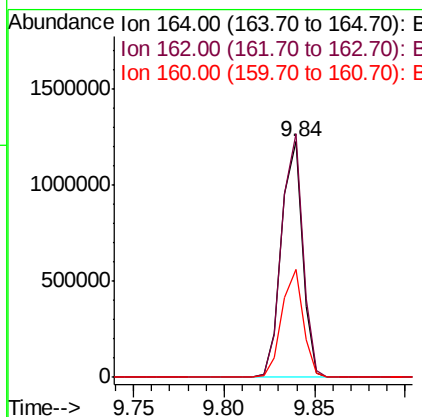
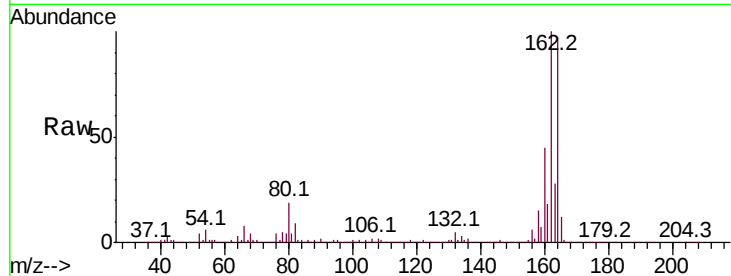
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Instrument :
BNA_F
ClientSampleId :
TR-04-113018

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.4	80.6	120.8	
160	46.1	35.5	53.3	

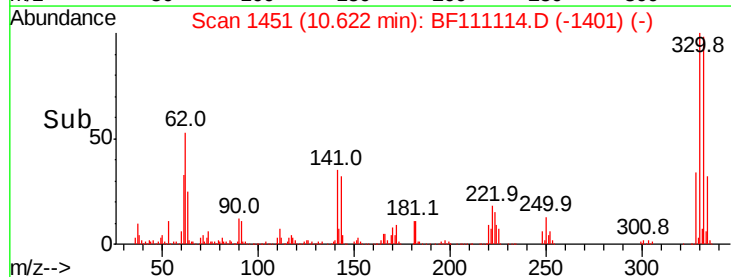
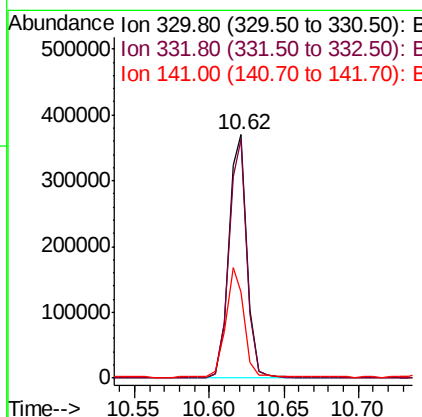
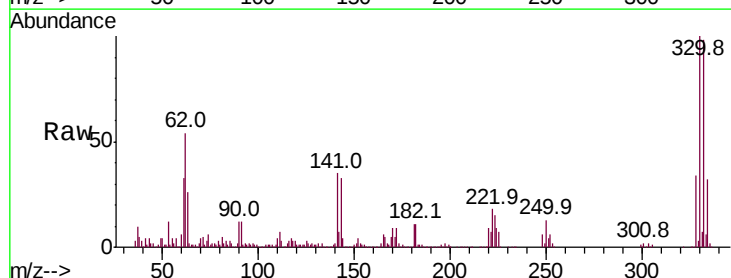
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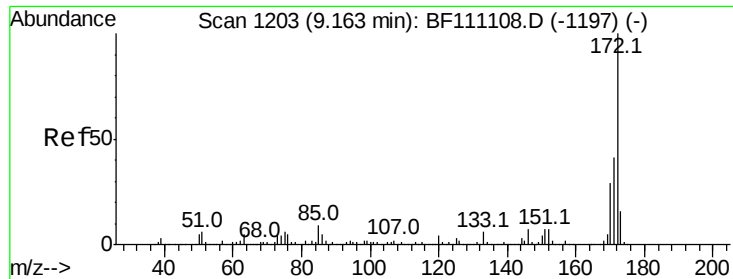
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#42
2,4,6-Tribromophenol
Concen: 40.595 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	77.2	115.8	
141	44.1	36.1	54.1	





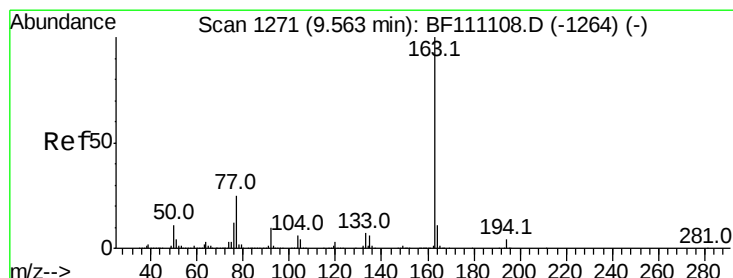
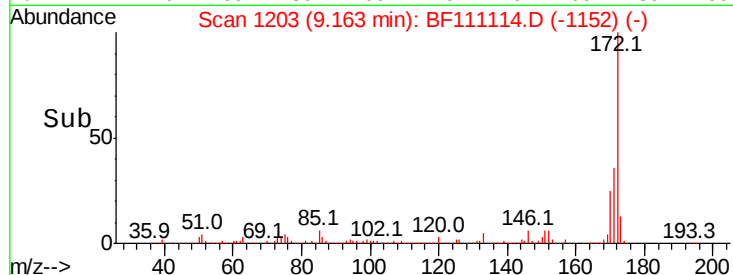
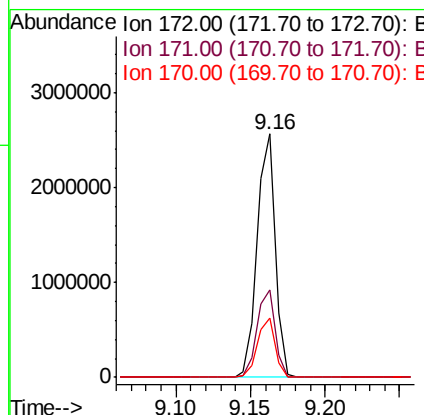
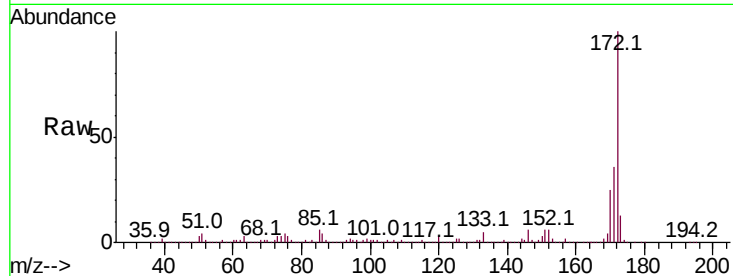
#45
2-Fluorobiphenyl
Concen: 30.155 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Instrument :
BNA_F
ClientSampleId :
TR-04-113018

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	33.2	49.8
170	24.5	22.9	34.3

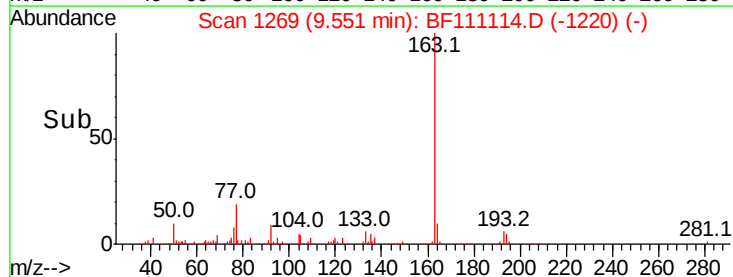
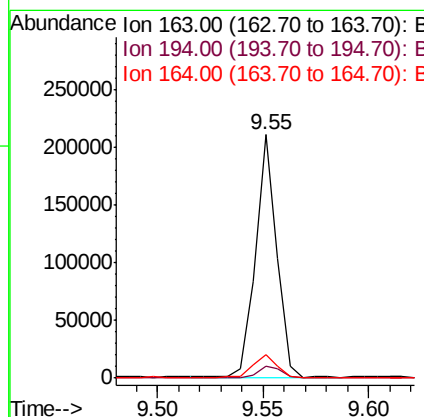
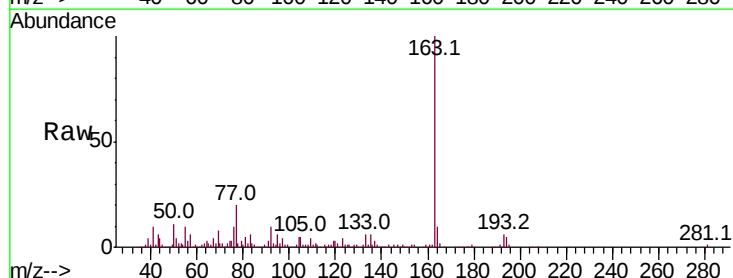
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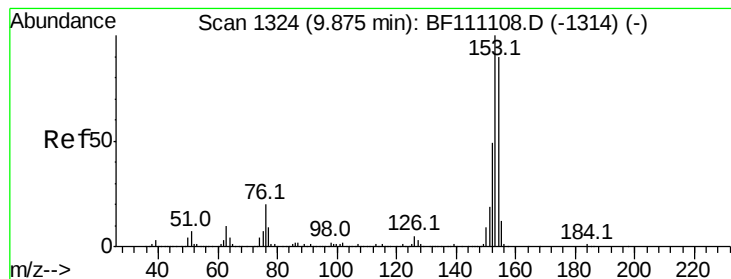
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#50
Dimethylphthalate
Concen: 2.131 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.0	4.4#
164	9.7	8.9	13.3





#52

Acenaphthene

Concen: 2.461 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF111114.D

Acq: 5 Dec 2018 18:31

Instrument :

BNA_F

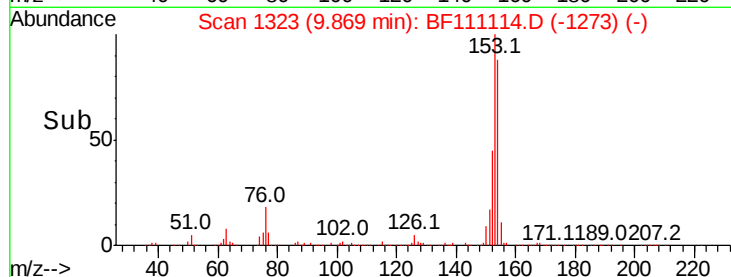
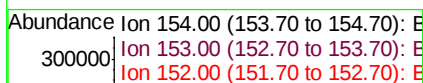
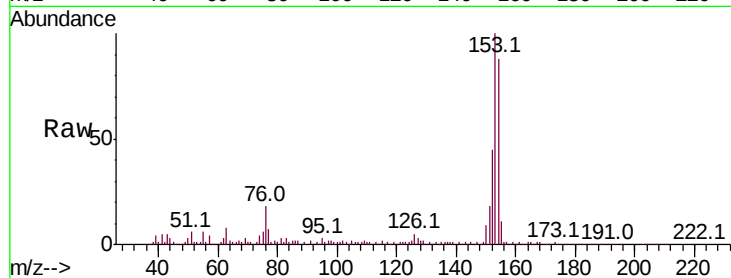
ClientSampleId :

TR-04-113018

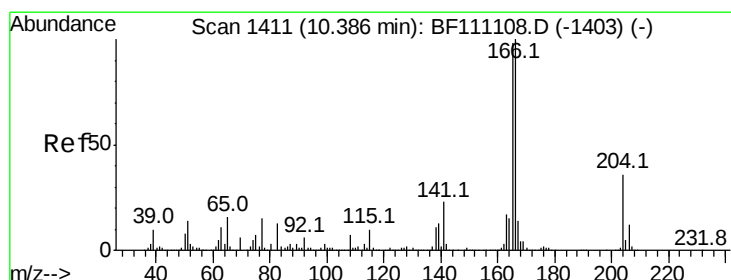
Tot Ion:	154	Resp:	143817
Ion Ratio	Lower	Upper	
154	100		
153	113.1	88.7	133.1
152	50.9	43.8	65.8

Manual Integrations
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Time-->



#58

Fluorene

Concen: 3.968 ng

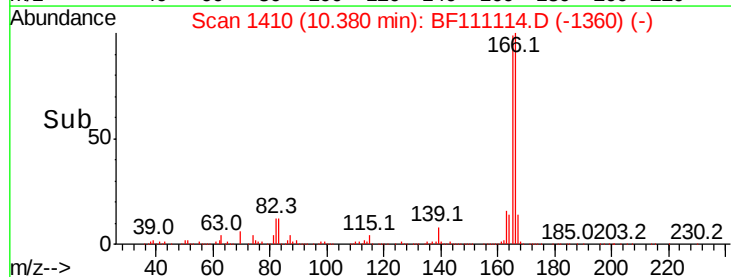
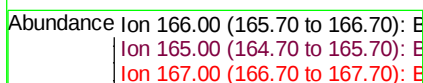
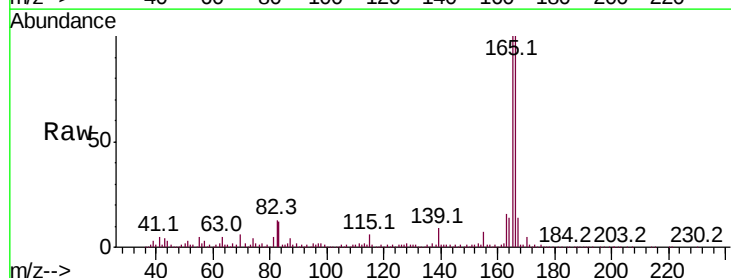
RT: 10.38 min Scan# 1410

Delta R.T. -0.01 min

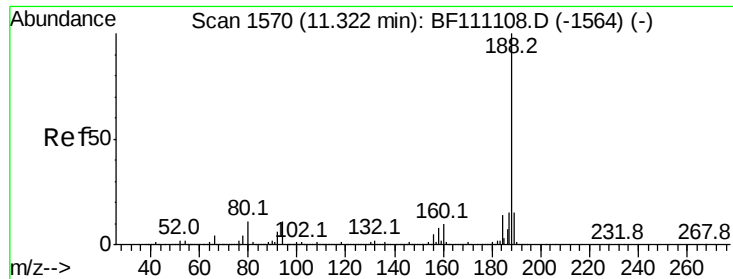
Lab File: BF111114.D

Acq: 5 Dec 2018 18:31

Tgt Ion:	166	Resp:	225234
Ion Ratio	Lower	Upper	
166	100		
165	100.1	78.4	117.6
167	14.5	11.4	17.2



Time-->



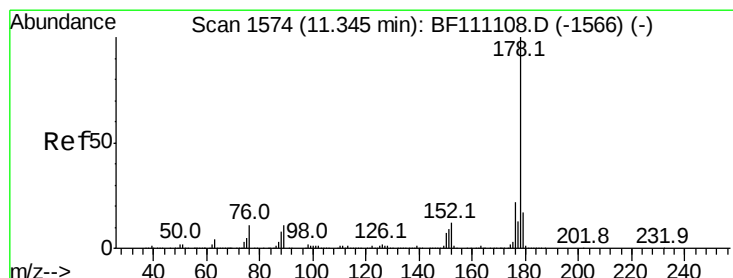
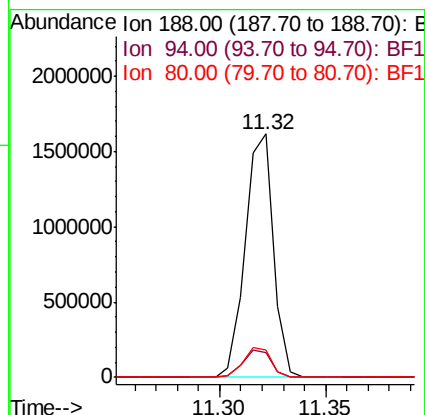
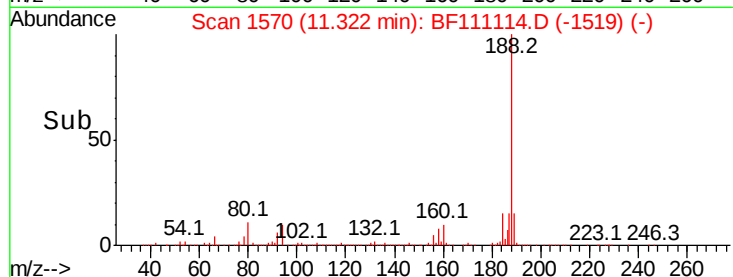
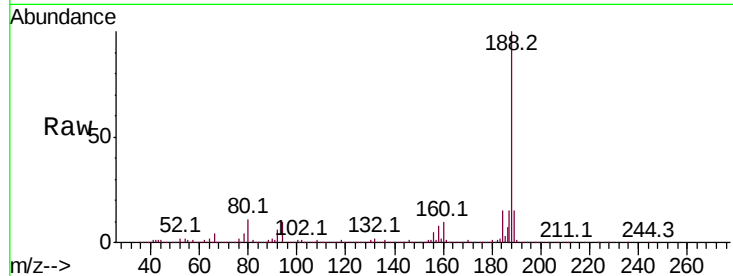
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Instrument :
BNA_F
ClientSampleId :
TR-04-113018

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	11.1	9.0	13.6

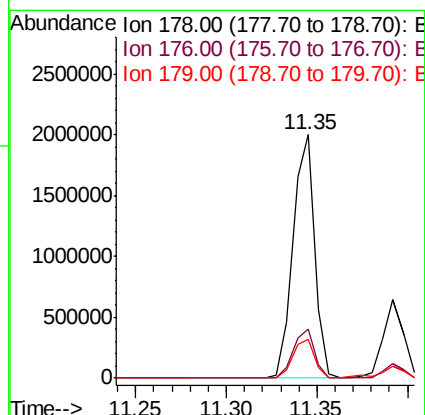
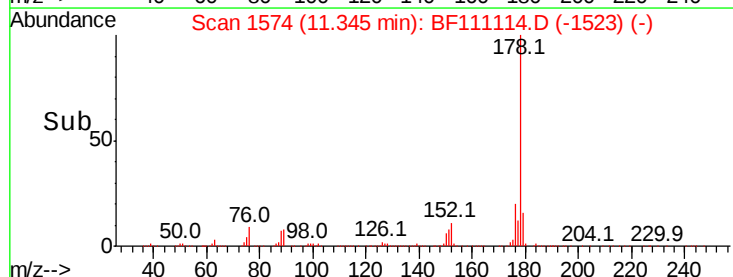
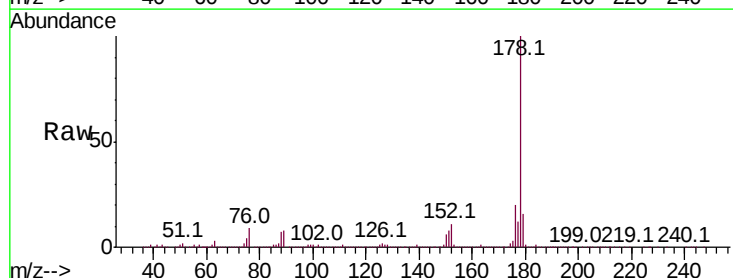
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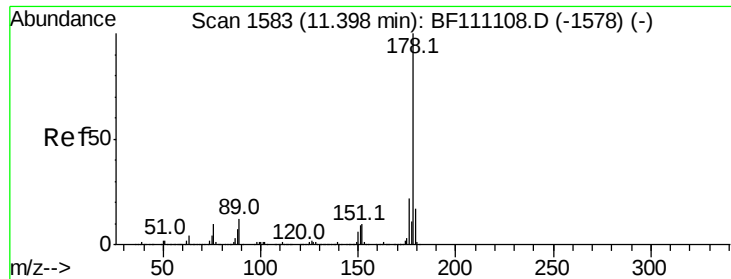
mohammad
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#71
Phenanthrene
Concen: 23.422 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	17.7	26.5
179	15.8	14.0	21.0





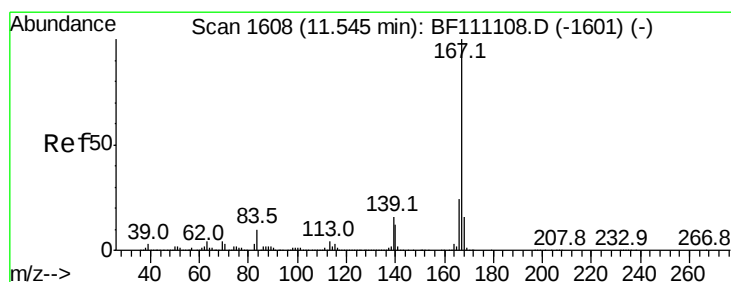
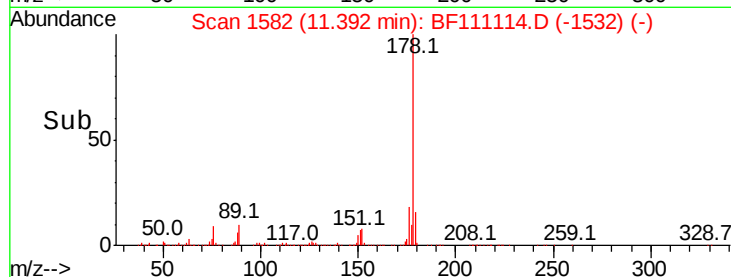
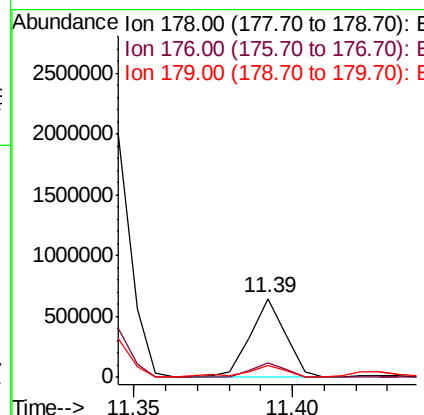
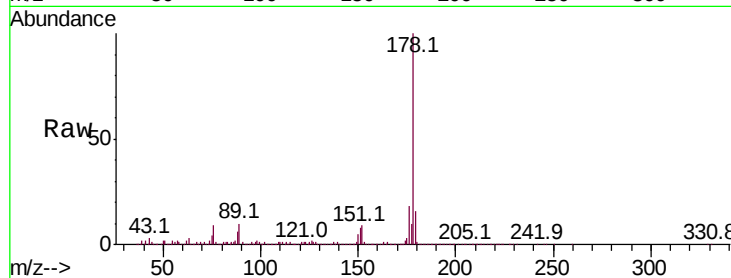
#72
 Anthracene
 Concen: 6.819 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF111114.D
 Acq: 5 Dec 2018 18:31

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-113018

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	17.3	25.9
179	15.9	13.8	20.8

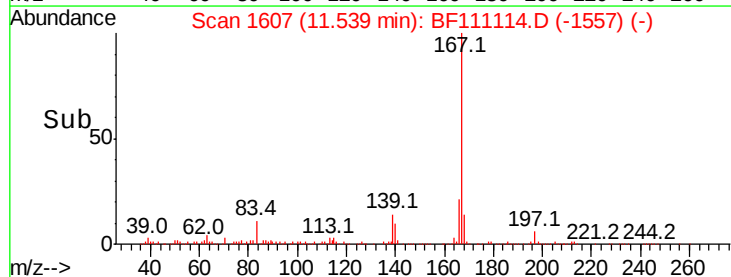
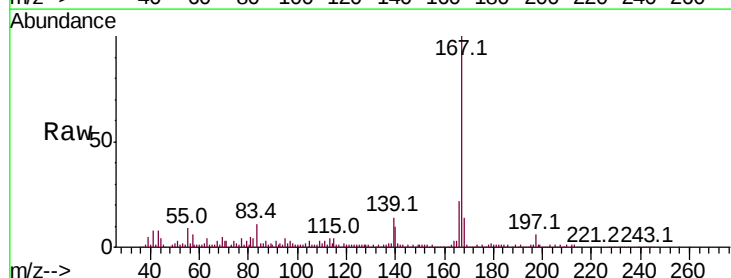
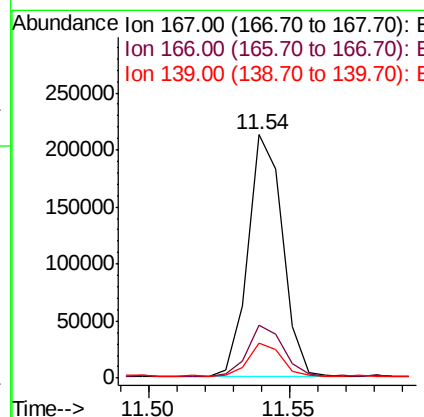
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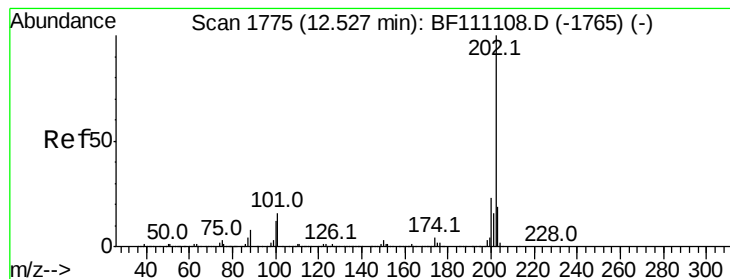
mohammad
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#73
 Carbazole
 Concen: 2.411 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF111114.D
 Acq: 5 Dec 2018 18:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	19.4	29.0
139	14.1	12.6	18.8





#75

Fluoranthene

Concen: 30.089 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF111114.D

Acq: 5 Dec 2018 18:31

Instrument :

BNA_F

ClientSampleId :

TR-04-113018

Tot Ion:202 Resp: 2104749

Ion Ratio Lower Upper

202 100

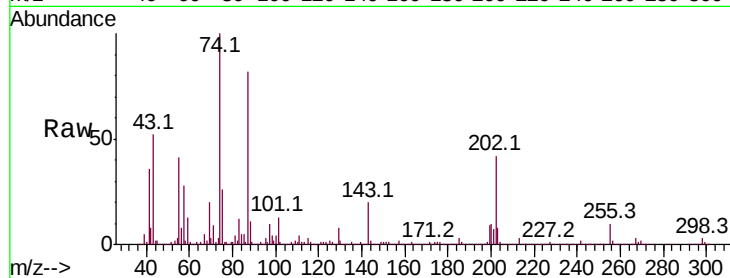
101 31.0 0.0 35.8

203 18.1 0.0 38.6

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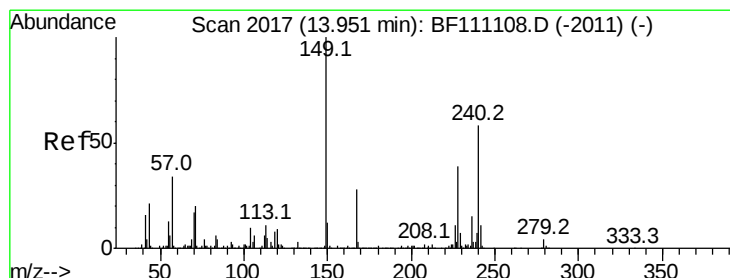
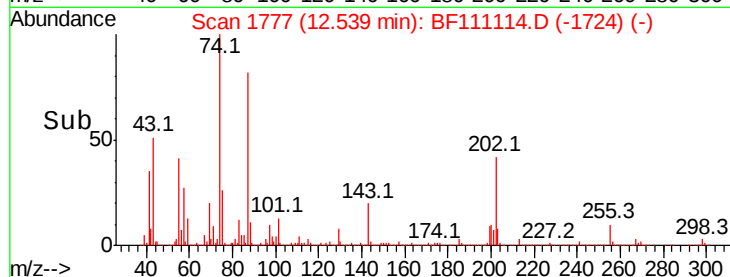
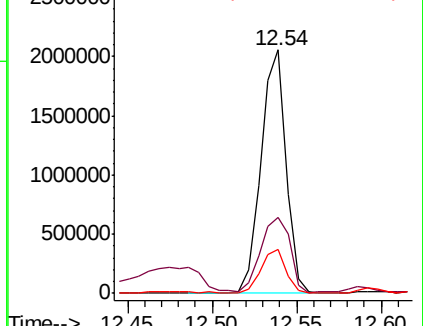
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Abundance Ion 202.00 (201.70 to 202.70): E

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: BF111114.D

Acq: 5 Dec 2018 18:31

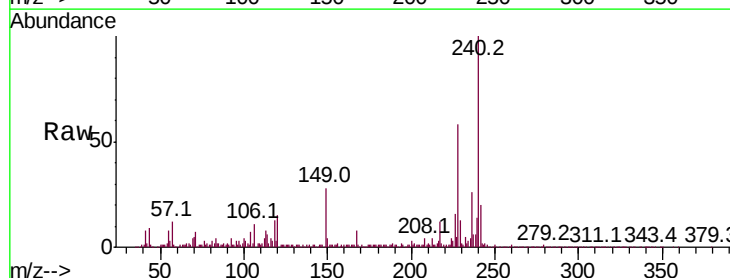
Tgt Ion:240 Resp: 982938

Ion Ratio Lower Upper

240 100

120 14.8 12.8 19.2

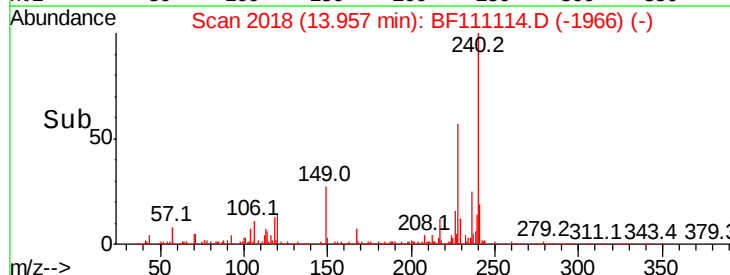
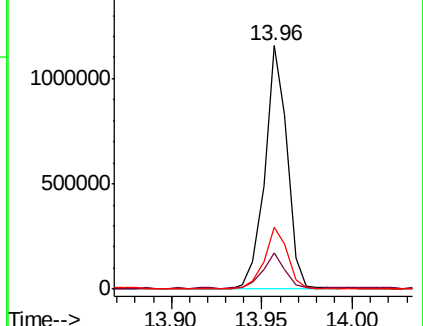
236 25.6 21.1 31.7

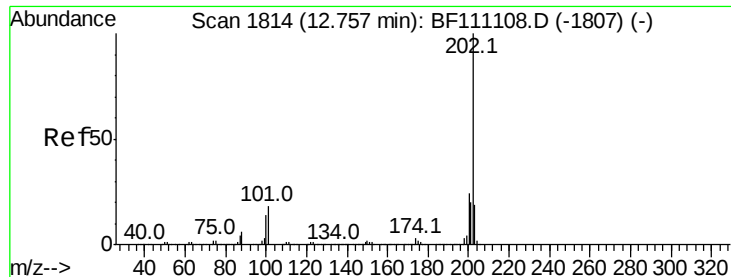


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





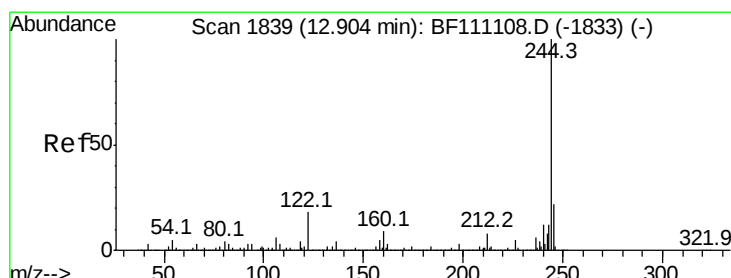
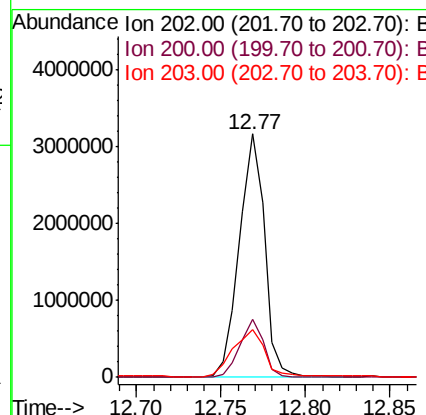
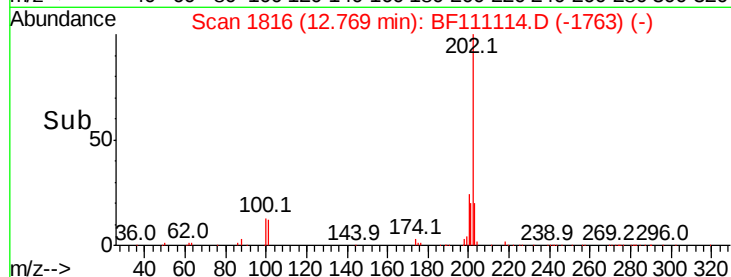
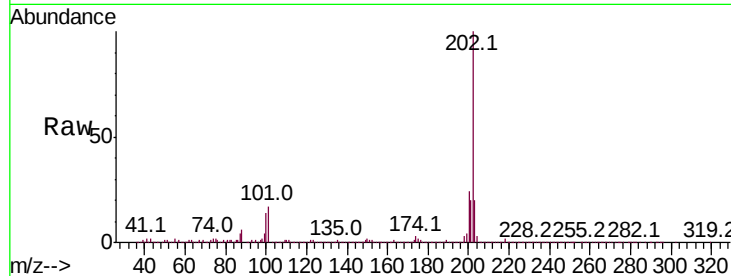
#78
Pvrene
Concen: 42.936 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Instrument :
BNA_F
ClientSampleId :
TR-04-113018

Tot Ion	Ratio	Lower	Upper
202	100		
200	24.0	19.3	28.9
203	19.9	15.4	23.2

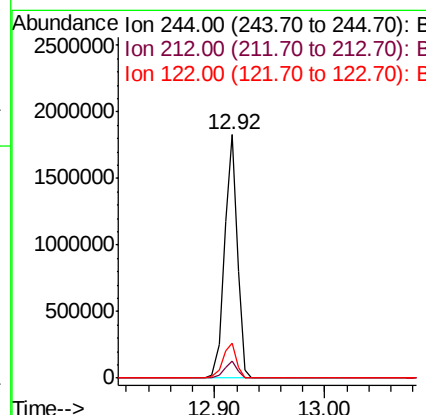
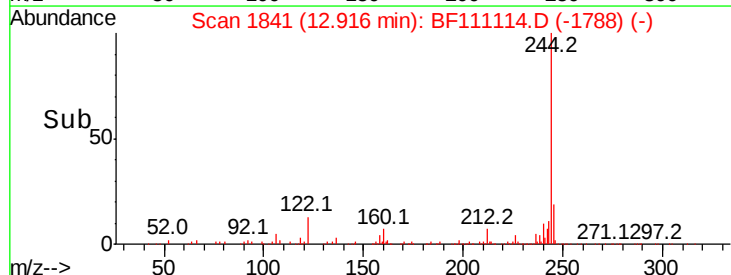
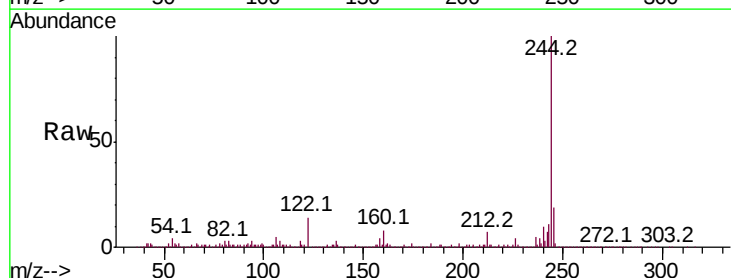
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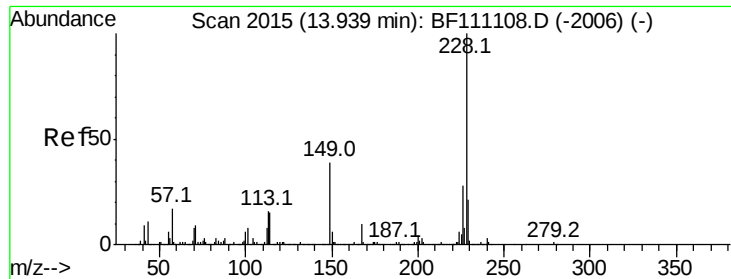
mohammad
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#79
Terphenyl-d14
Concen: 30.545 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.01 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.6	9.8
122	14.1	14.2	21.2#





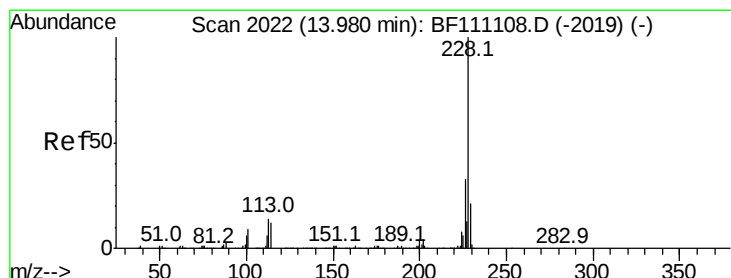
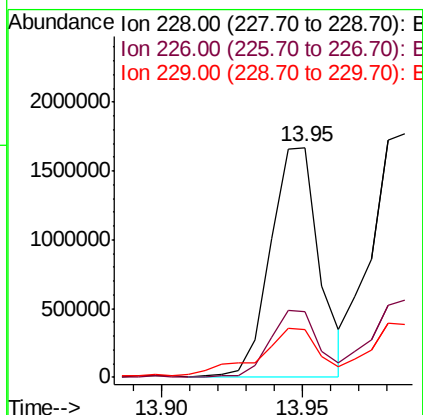
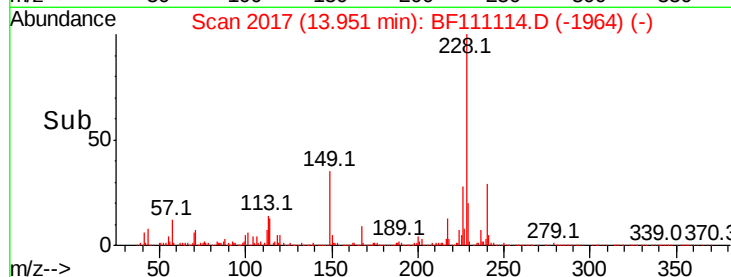
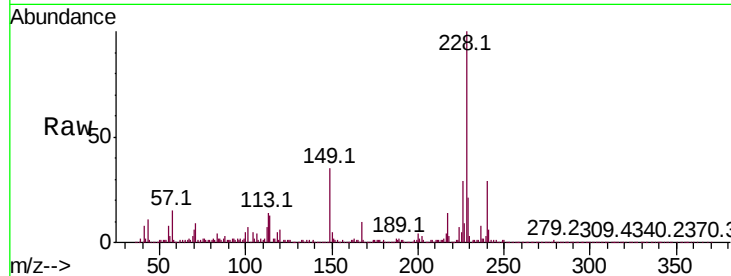
#81
Benzo(a)anthracene
Concen: 34.538 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Instrument :
BNA_F
ClientSampleId :
TR-04-113018

Tot Ion:228 Resp: 1989050
Ion Ratio Lower Upper
228 100
226 28.6 22.6 34.0
229 20.7 16.7 25.1

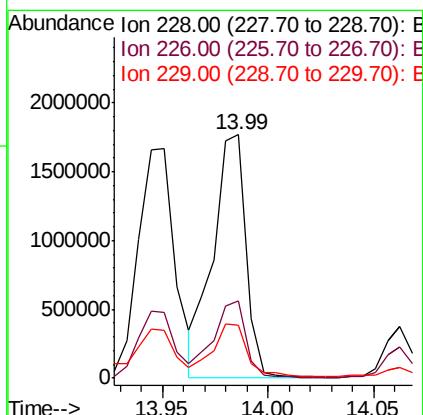
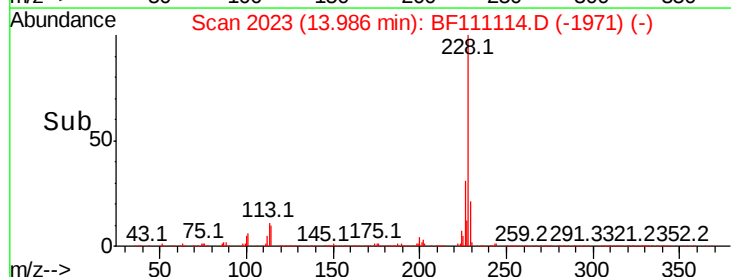
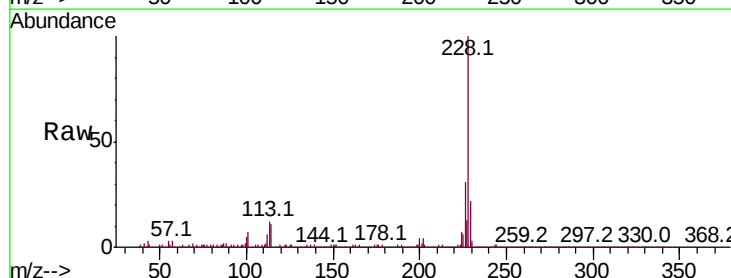
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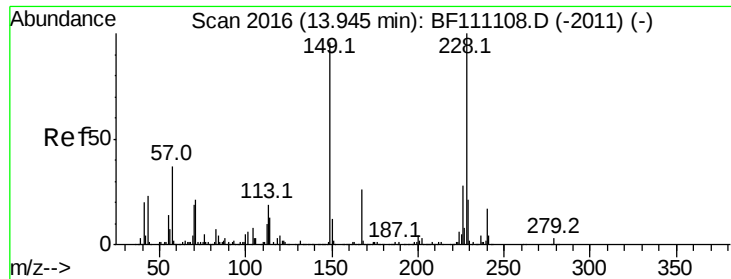
mohammad
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#83
Chrysene
Concen: 33.297 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Tgt Ion:228 Resp: 1903648
Ion Ratio Lower Upper
228 100
226 31.5 26.2 39.2
229 21.6 16.9 25.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 10.717 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF111114.D

Acq: 5 Dec 2018 18:31

Instrument :

BNA_F

ClientSampleId :

TR-04-113018

Tot Ion:149 Resp: 478870

Ion Ratio Lower Upper

149 100

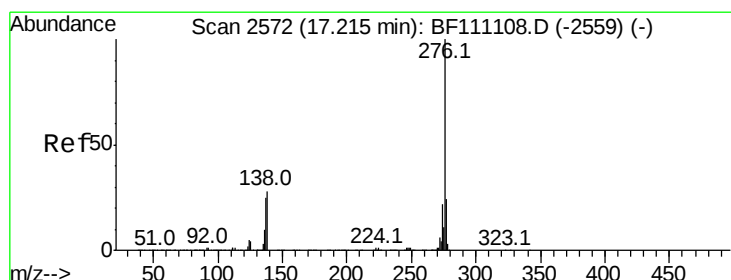
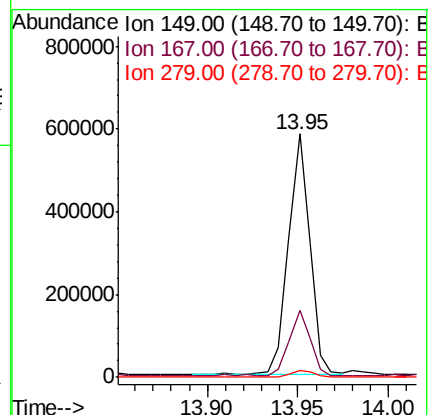
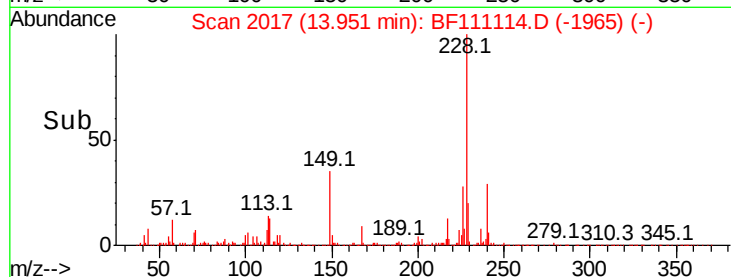
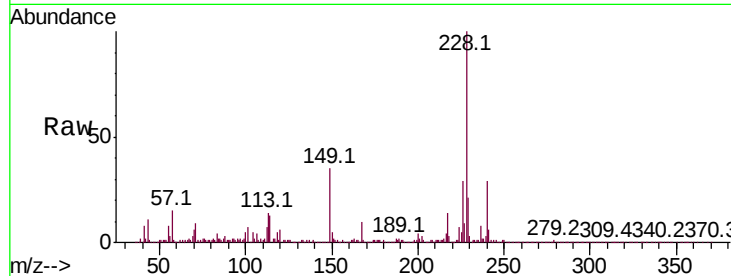
167 27.3 21.6 32.4

279 3.0 2.3 3.5

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#86

Indeno(1,2,3-cd)pyrene

Concen: 21.455 ng

RT: 16.80 min Scan# 2502

Delta R.T. 0.02 min

Lab File: BF111114.D

Acq: 5 Dec 2018 18:31

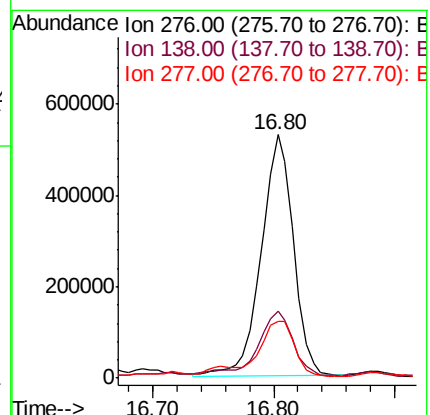
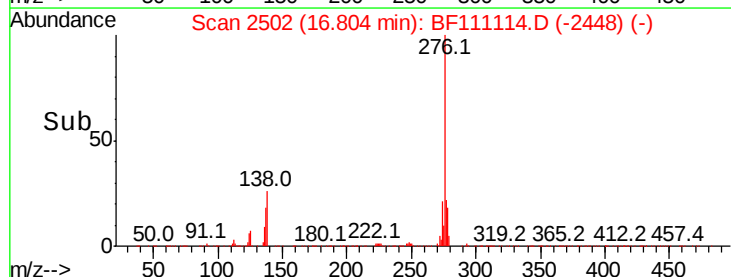
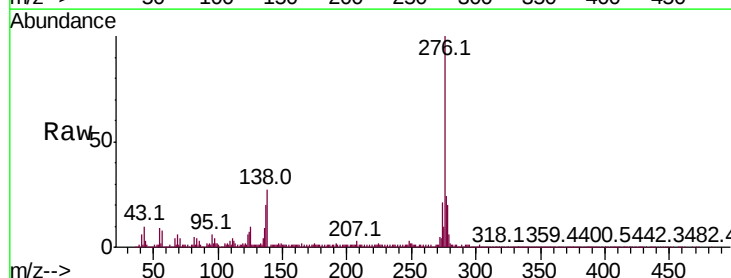
Tgt Ion:276 Resp: 984847

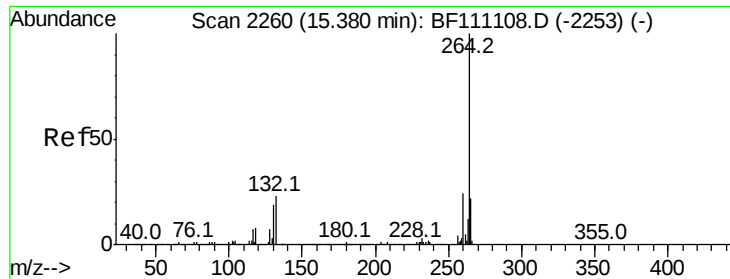
Ion Ratio Lower Upper

276 100

138 29.4 20.2 30.4

277 23.2 15.8 23.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111114.D

Acq: 5 Dec 2018 18:31

Instrument :

BNA_F

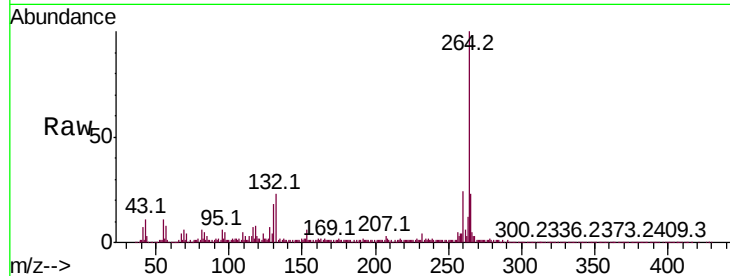
ClientSampleId :

TR-04-113018

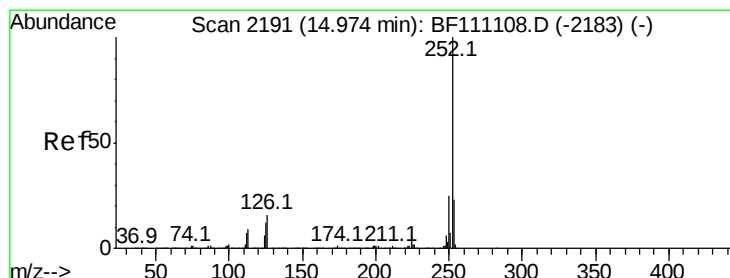
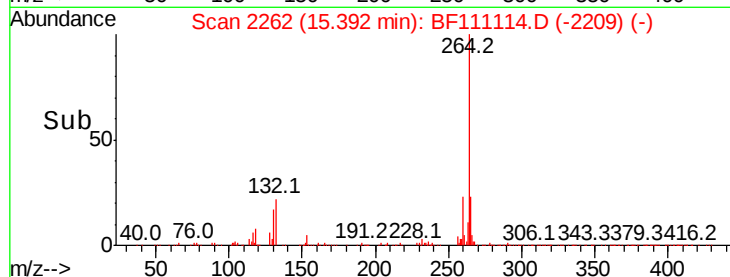
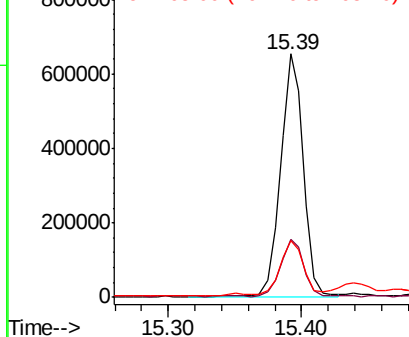
Tot Ion:	264	Resp:	777360
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.4	29.0
265	23.2	17.4	26.0

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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: 54.095 ng m

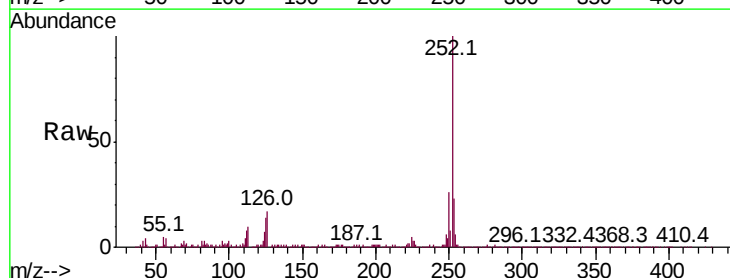
RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

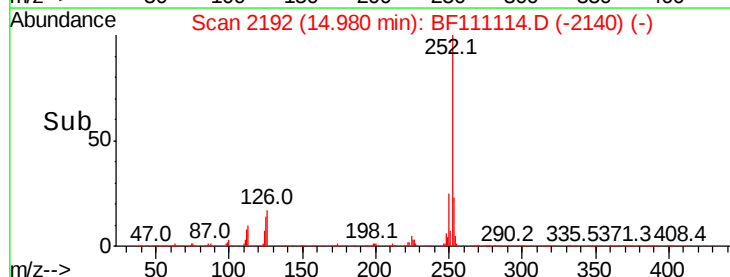
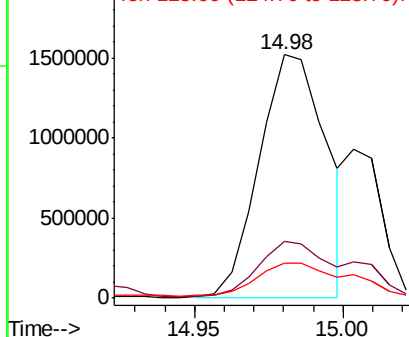
Lab File: BF111114.D

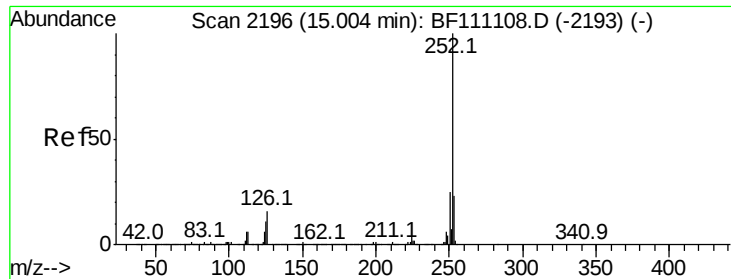
Acq: 5 Dec 2018 18:31

Tgt Ion:	252	Resp:	2382804
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.5	27.7
125	14.5	9.9	14.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 18.201 ng m

RT: 15.00 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BF111114.D

Acq: 5 Dec 2018 18:31

Instrument :

BNA_F

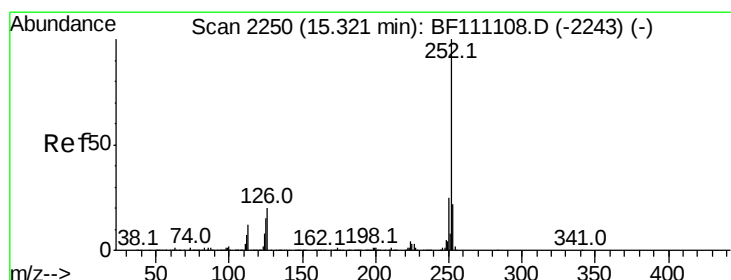
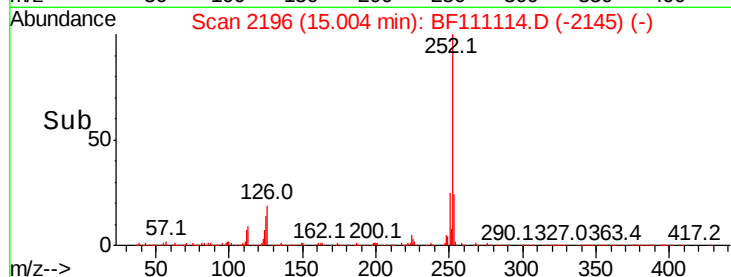
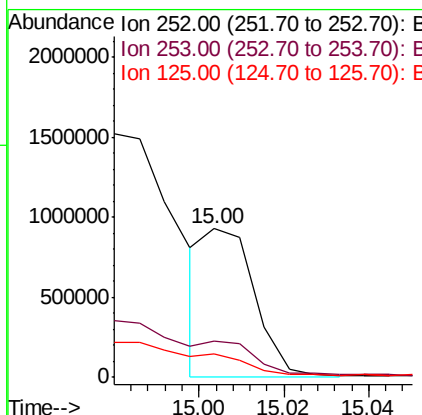
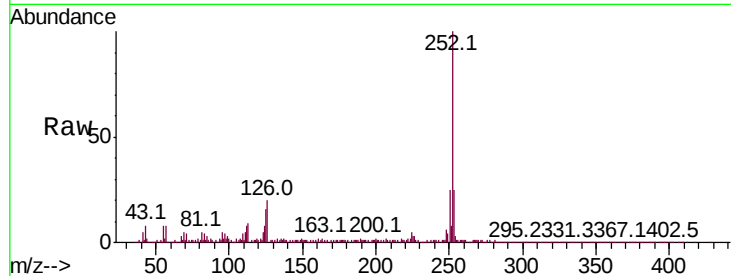
ClientSampleId :

TR-04-113018

Tot Ion:	252	Resp:	775048
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.2	27.4
125	15.8	9.9	14.9#

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#90

Benzo(a)pyrene

Concen: 39.546 ng

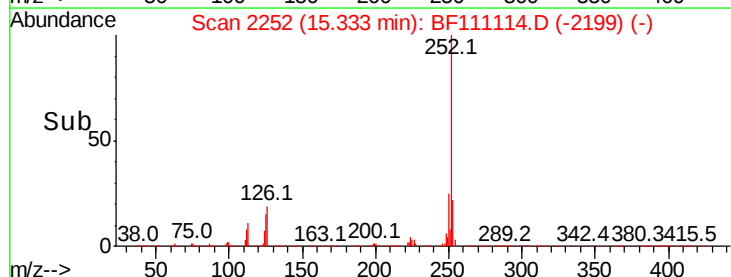
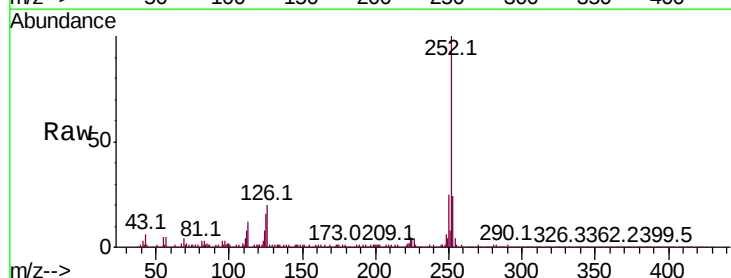
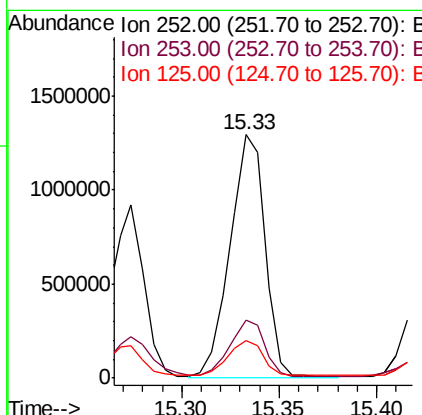
RT: 15.33 min Scan# 2252

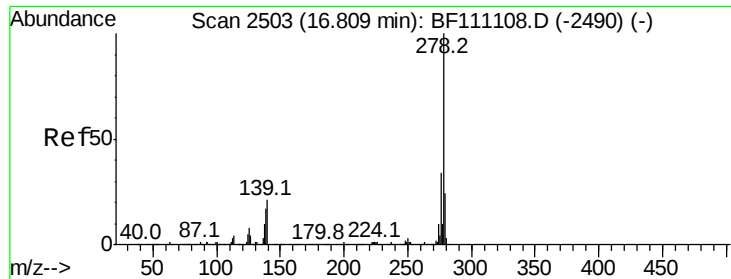
Delta R.T. 0.01 min

Lab File: BF111114.D

Acq: 5 Dec 2018 18:31

Tgt Ion:	252	Resp:	1597780
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.5	26.3
125	15.6	12.4	18.6





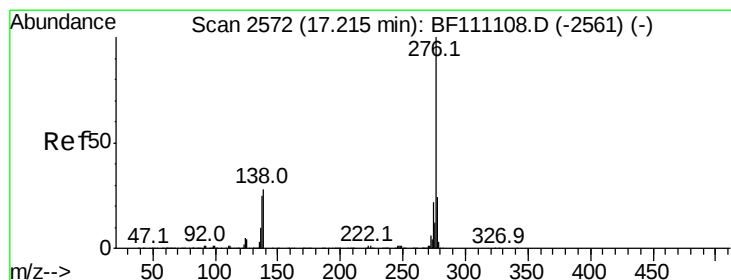
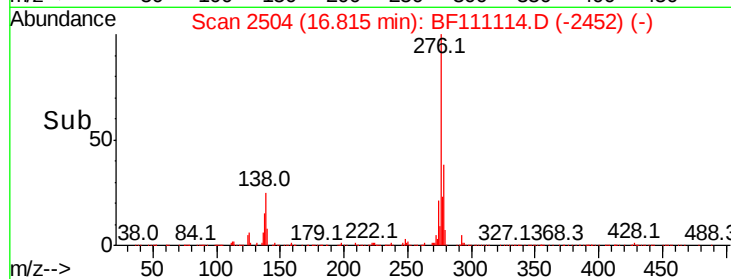
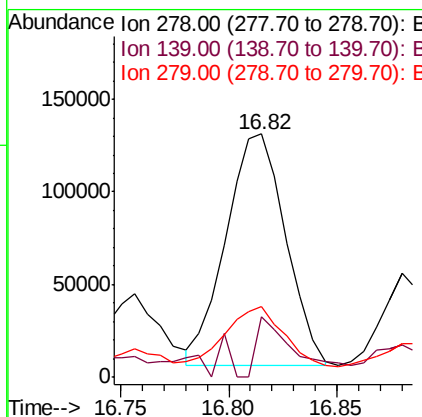
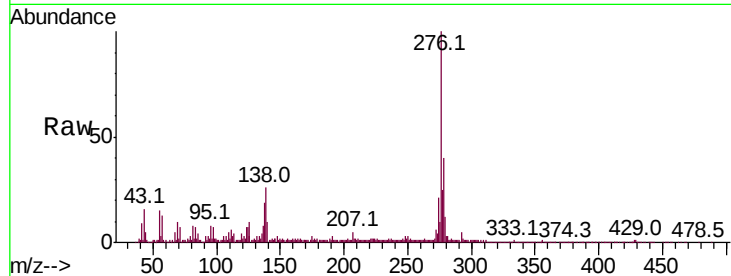
#91
Dibenzo(a,h)anthracene
Concen: 7.127 ng m
RT: 16.82 min Scan# 2504
Delta R.T. 0.01 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Instrument :
BNA_F
ClientSampleId :
TR-04-113018

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.7	16.6	25.0
279	29.3	18.8	28.2

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 26.987 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.02 min
Lab File: BF111114.D
Acq: 5 Dec 2018 18:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.3	28.9
138	27.5	22.3	33.5

