

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111164.D
 Acq On : 7 Dec 2018 3:11
 Operator : JU/SJ
 Sample : J6195-03 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-120518-B

Manual Integrations
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 12/10/2018 12:19:25 PM

Quant Time: Dec 07 07:56:35 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	519906	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1898430	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	755256	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1108599	20.00	ng	0.00
76) Chrysene-d12	13.96	240	897593	20.00	ng	0.01
87) Perylene-d12	15.40	264	632738	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1541592	46.27	ng	0.00
7) Phenol-d6	6.43	99	1915369	44.63	ng	0.00
23) Nitrobenzene-d5	7.36	82	1134430	35.38	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	262830	43.78	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1707745	33.07	ng	0.00
79) Terphenyl-d14	12.91	244	1209256	27.59	ng	0.00
Target Compounds						
10) Phenol	6.44	94	120551	2.576	ng	96
50) Dimethylphthalate	9.56	163	149314	2.841	ng	96
52) Acenaphthene	9.87	154	114284	2.576	ng	96
58) Fluorene	10.39	166	164625	3.820	ng	99
71) Phenanthrene	11.35	178	1022259	19.170	ng	95
72) Anthracene	11.40	178	323327	6.015	ng	95
75) Fluoranthene	12.53	202	1313598	25.174	ng	97
78) Pyrene	12.76	202	1210534	17.311	ng	95
81) Benzo(a)anthracene	13.95	228	527526	10.031	ng	99
83) Chrysene	13.99	228	485369	9.297	ng	95
86) Indeno(1,2,3-cd)pyrene	16.81	276	150673	3.594	ng	# 92
88) Benzo(b)fluoranthene	14.99	252	428891m	11.962	ng	
89) Benzo(k)fluoranthene	15.01	252	108116m	3.119	ng	
90) Benzo(a)pyrene	15.33	252	289674	8.808	ng	96
92) Benzo(a,h,i)perylene	17.23	276	146121	5.269	ng	93

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

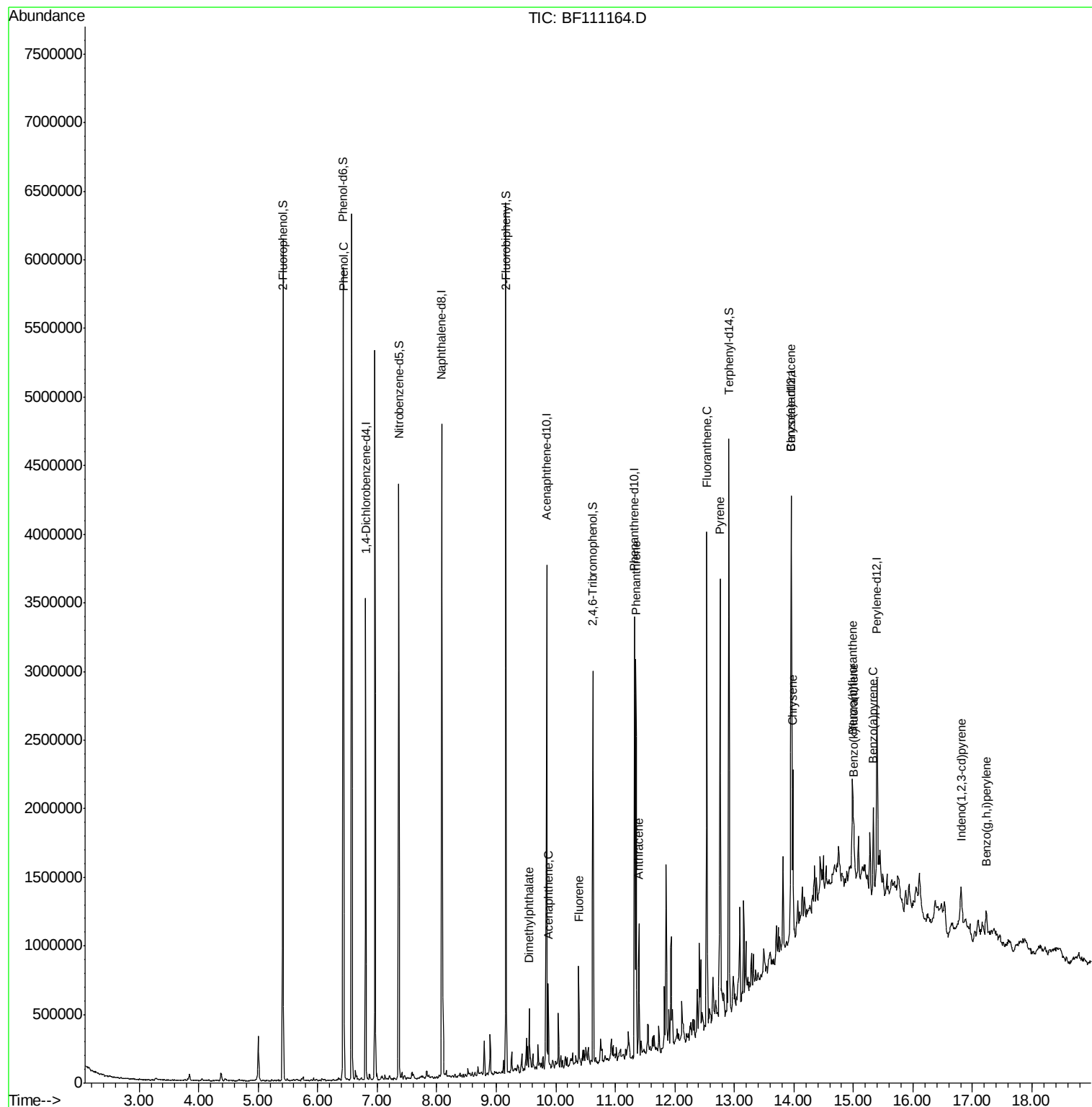
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
Data File : BF111164.D
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ALS Vial : 25 Sample Multiplier: 1

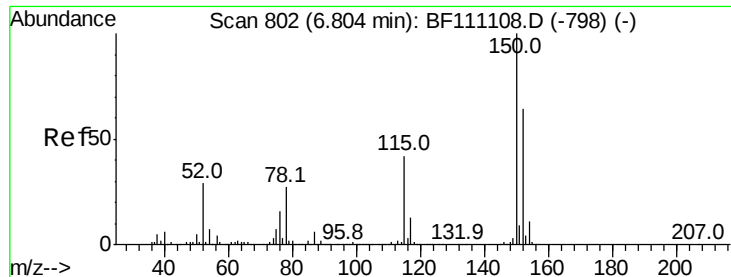
Instrument :
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OR-01-120518-B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

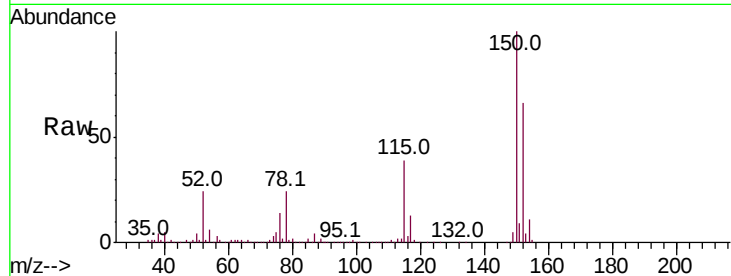
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.6	187.0
115	59.3	52.2	78.2

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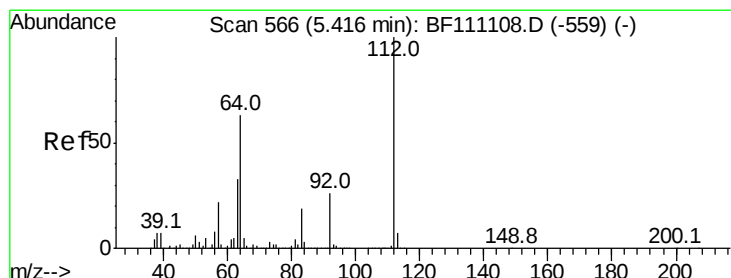
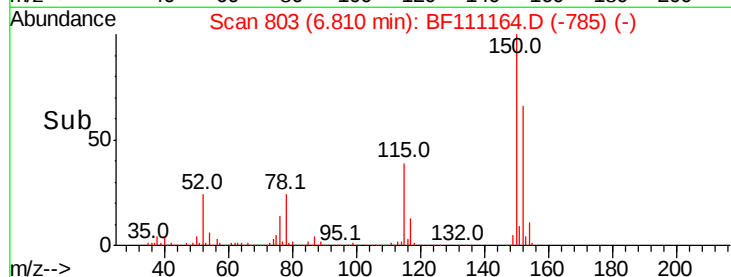
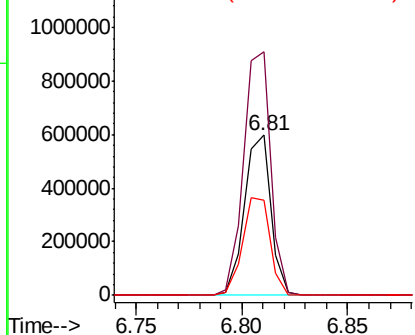


Abundance

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: 46.270 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

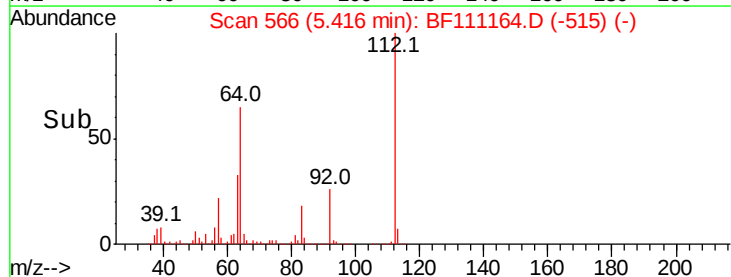
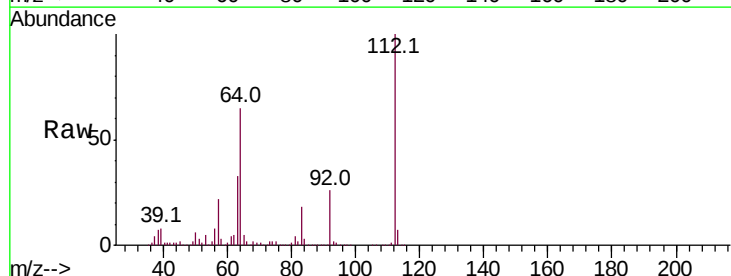
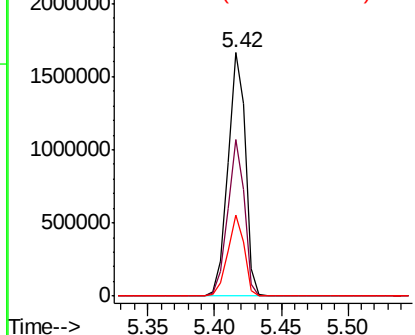
Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	50.2	75.4
63	33.3	26.6	39.8

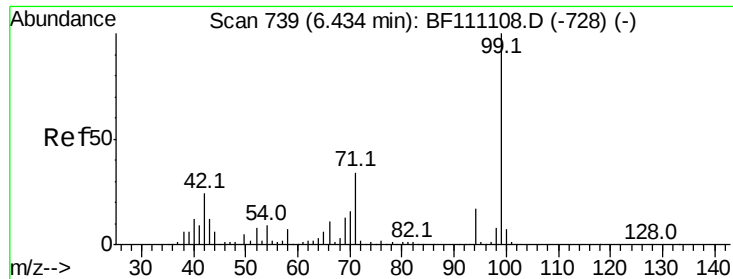
Abundance

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: 44.628 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111164.D

Acq: 7 Dec 2018 3:11

Instrument :

BNA_F

ClientSampleId :

OR-01-120518-B

Tot Ion: 99 Resp: 1915369

Ion Ratio Lower Upper

99 100

42 23.3 19.3 28.9

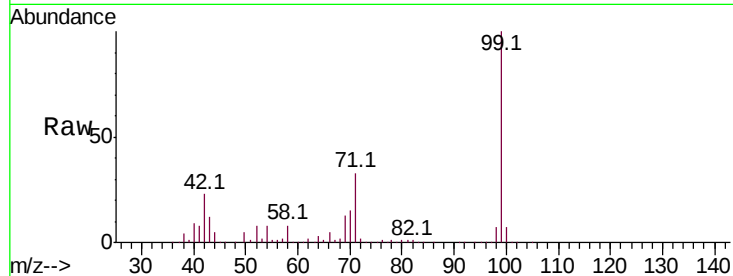
71 33.1 27.4 41.2

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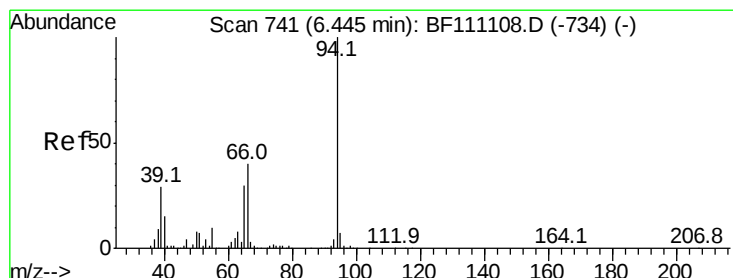
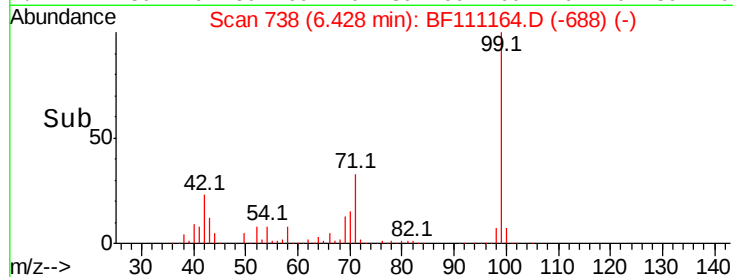
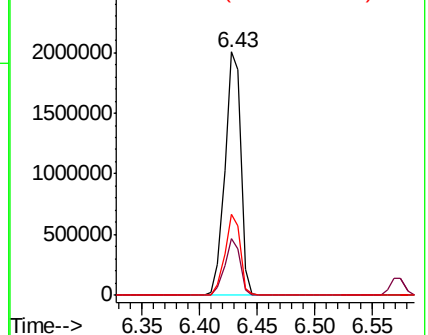
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.576 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111164.D

Acq: 7 Dec 2018 3:11

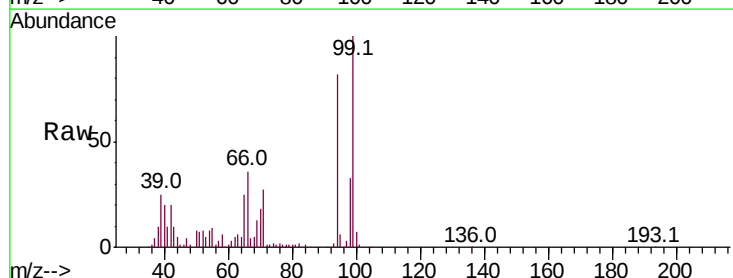
Tgt Ion: 94 Resp: 120551

Ion Ratio Lower Upper

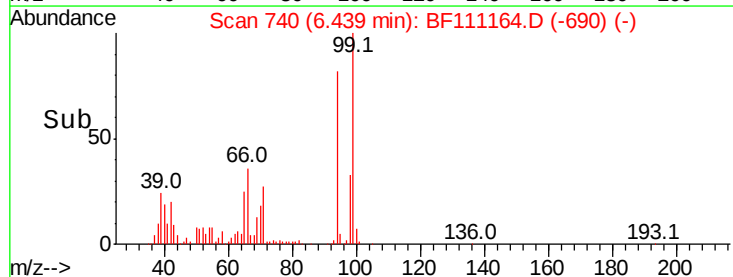
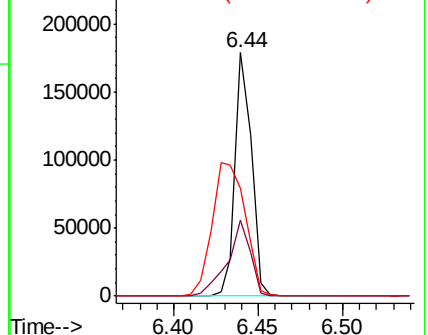
94 100

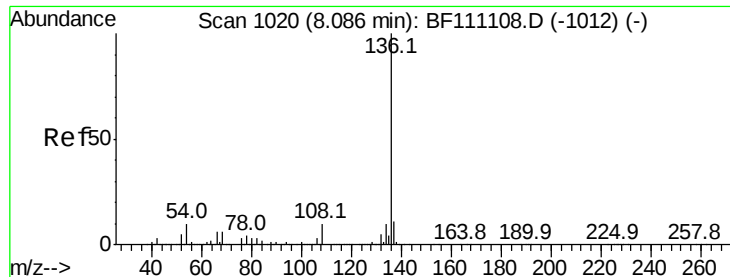
65 31.1 10.5 50.5

66 44.1 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





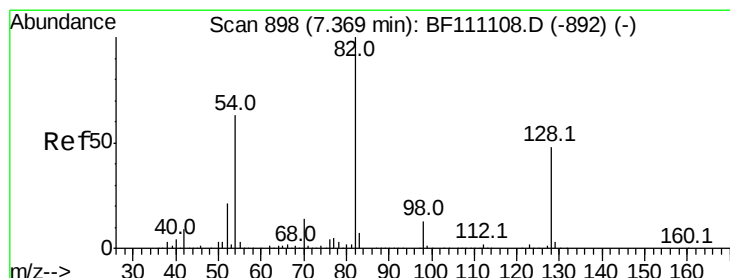
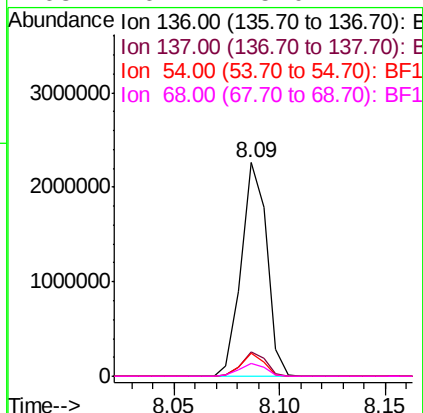
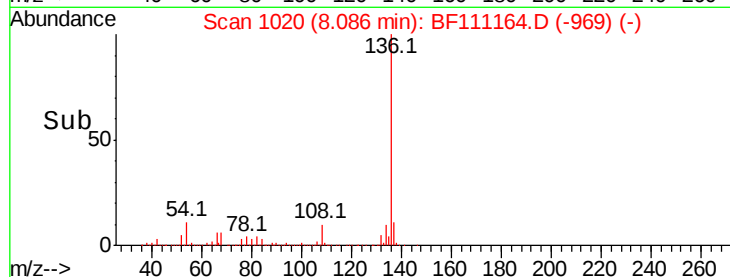
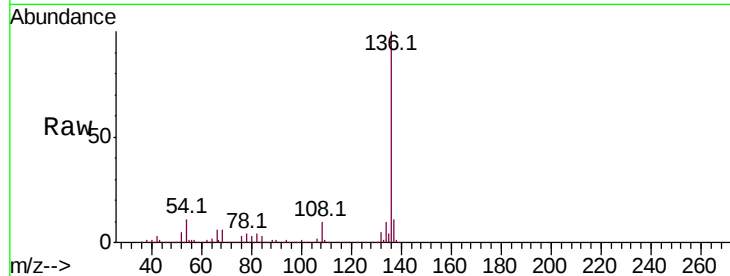
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-B

Tot Ion	136	Resp	1898430
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	10.6	8.4	12.6
68	6.2	5.0	7.4

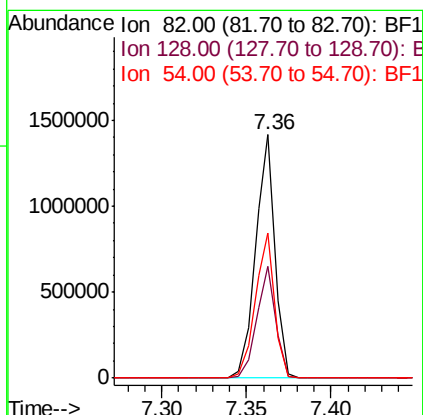
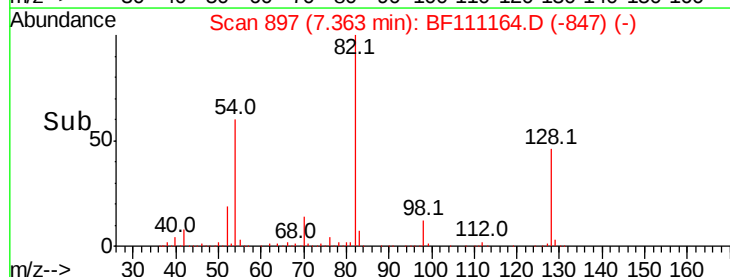
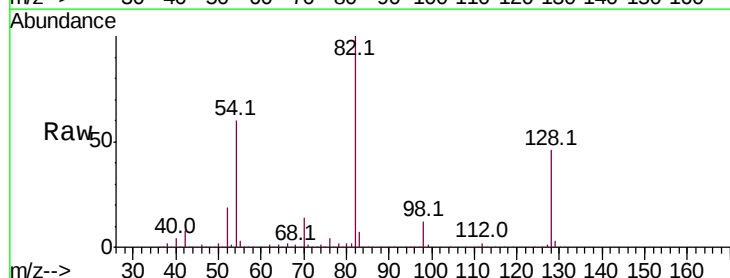
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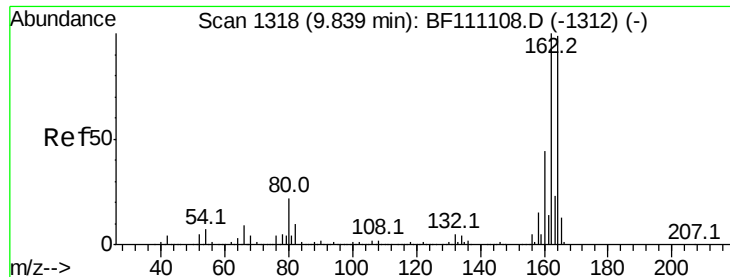
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#23
Nitrobenzene-d5
Concen: 35.378 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Tgt Ion	82	Resp	1134430
Ion	Ratio	Lower	Upper
82	100		
128	46.0	38.1	57.1
54	59.7	50.3	75.5





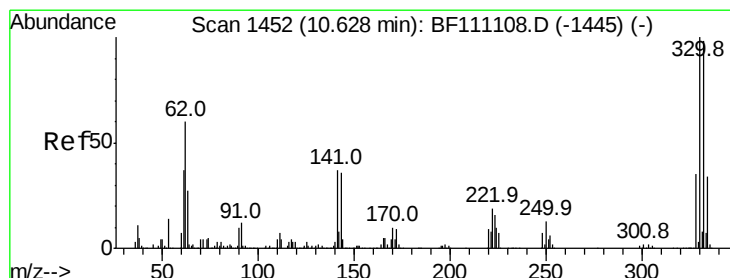
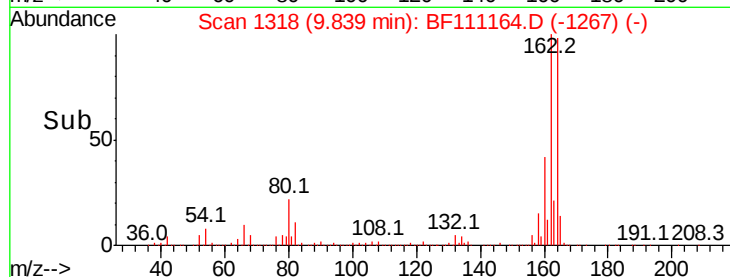
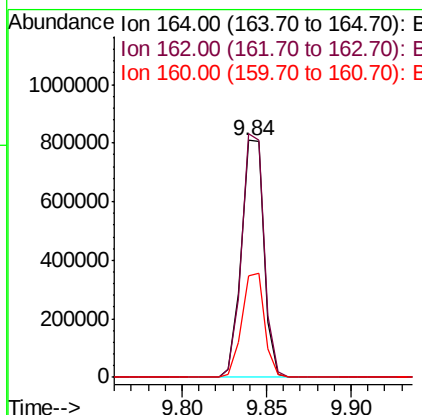
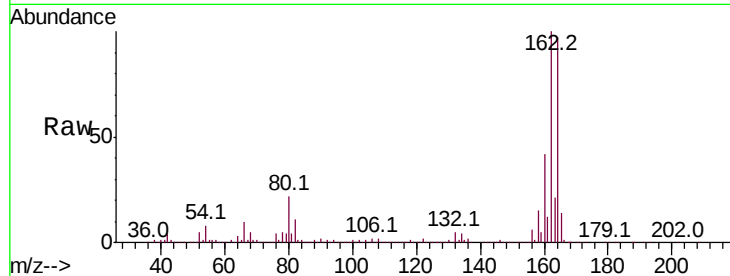
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	80.6	120.8	
160	43.0	35.5	53.3	

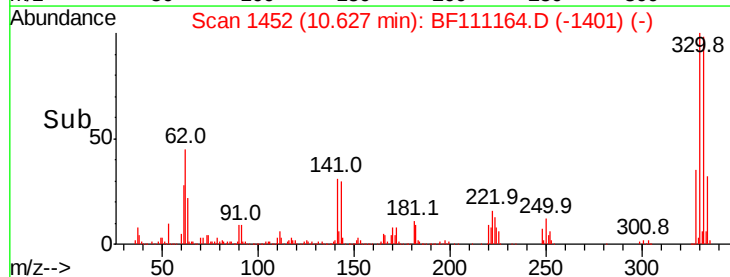
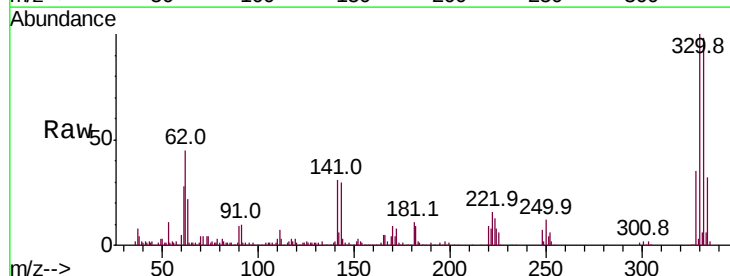
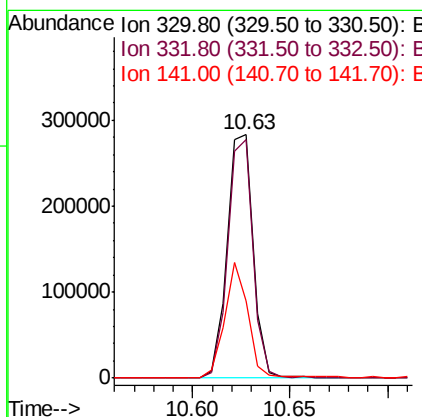
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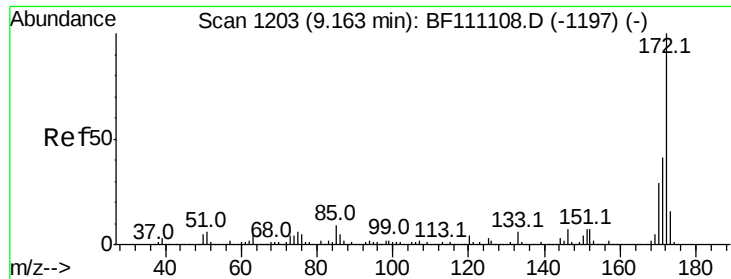
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#42
2,4,6-Tribromophenol
Concen: 43.780 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	77.2	115.8	
141	41.2	36.1	54.1	





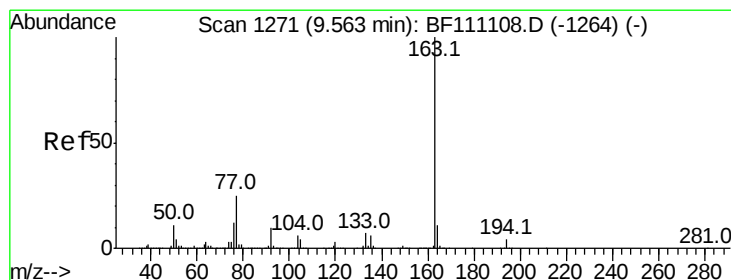
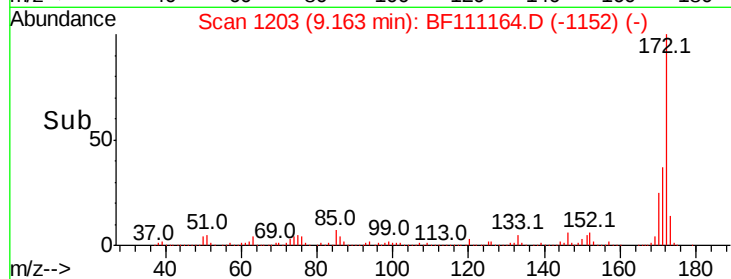
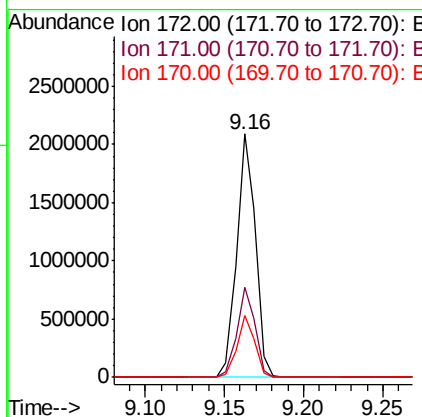
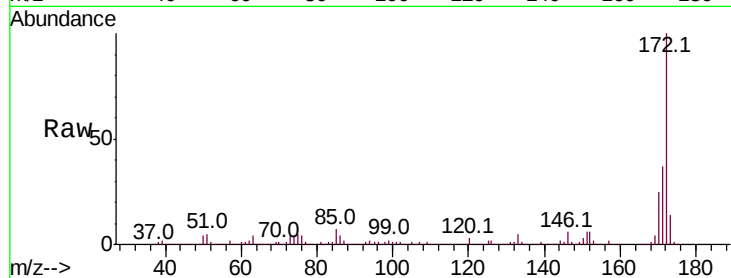
#45
2-Fluorobiphenyl
Concen: 33.074 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	33.2	49.8
170	25.3	22.9	34.3

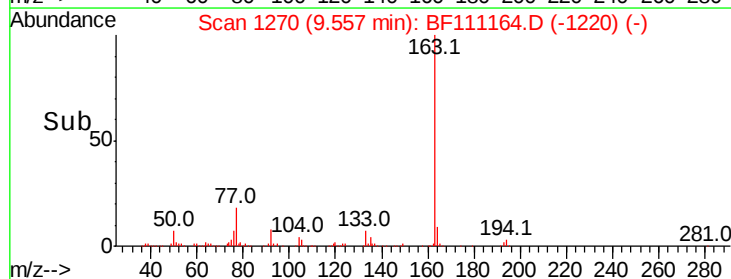
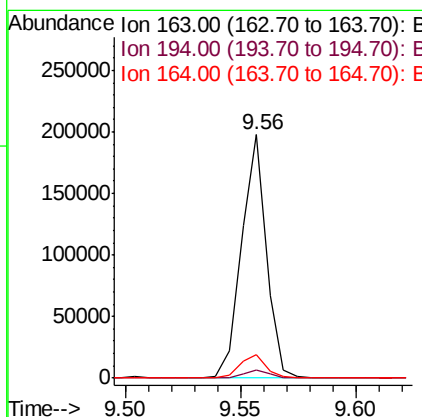
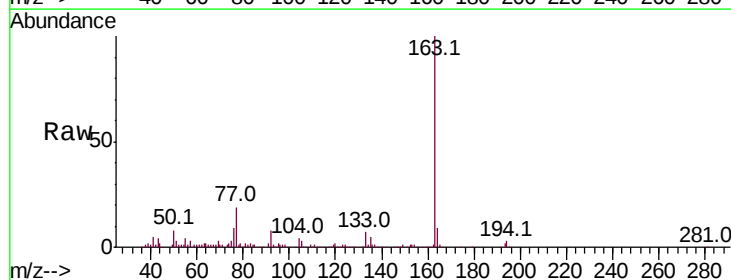
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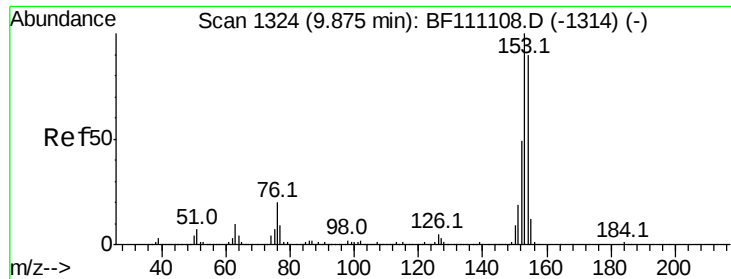
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#50
Dimethylphthalate
Concen: 2.841 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.4
164	9.4	8.9	13.3





#52

Acenaphthene

Concen: 2.576 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF111164.D

Acq: 7 Dec 2018 3:11

Instrument :

BNA_F

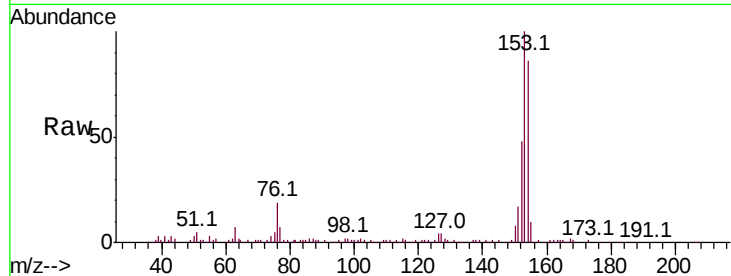
ClientSampleId :

OR-01-120518-B

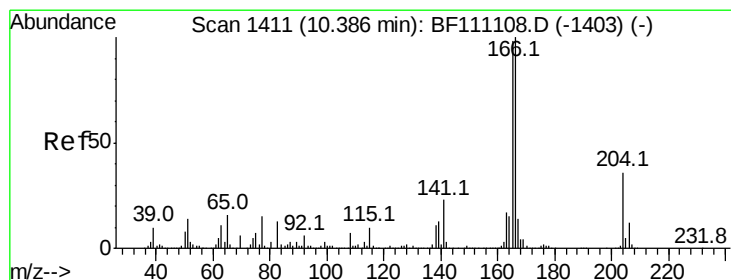
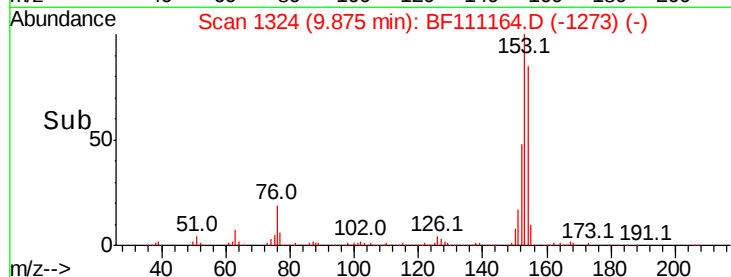
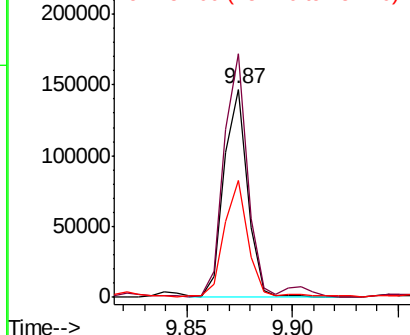
Tot Ion:	154	Resp:	114284
Ion Ratio	Lower	Upper	
154	100		
153	116.9	88.7	133.1
152	56.0	43.8	65.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 3.820 ng

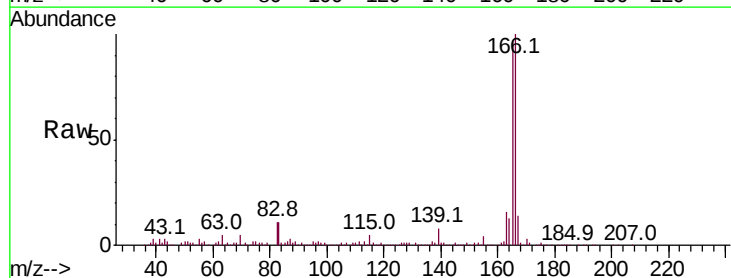
RT: 10.39 min Scan# 1411

Delta R.T. -0.00 min

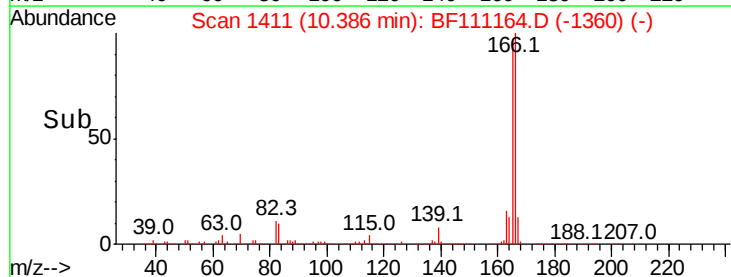
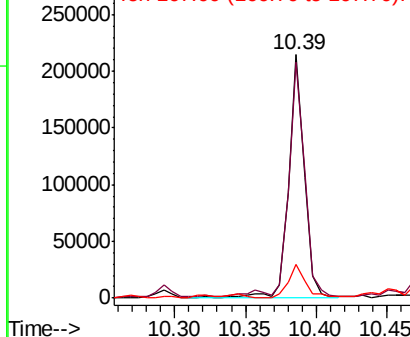
Lab File: BF111164.D

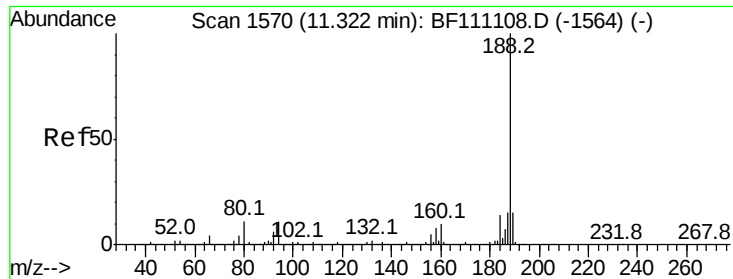
Acq: 7 Dec 2018 3:11

Tgt Ion:	166	Resp:	164625
Ion Ratio	Lower	Upper	
166	100		
165	97.0	78.4	117.6
167	13.7	11.4	17.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





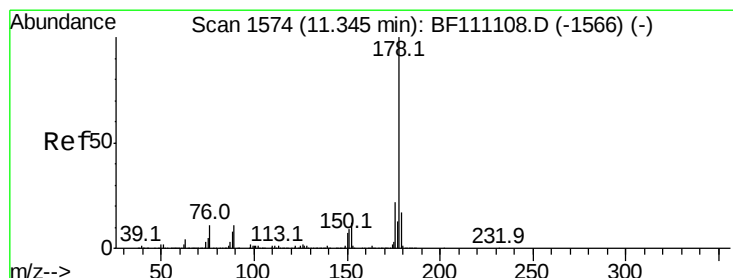
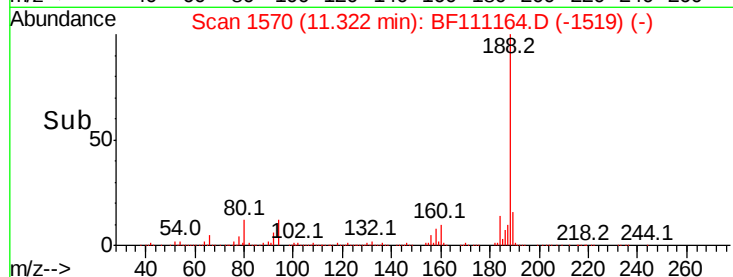
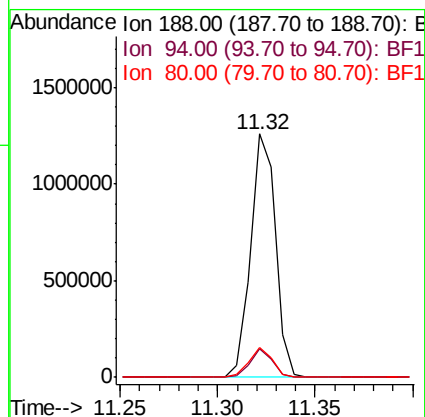
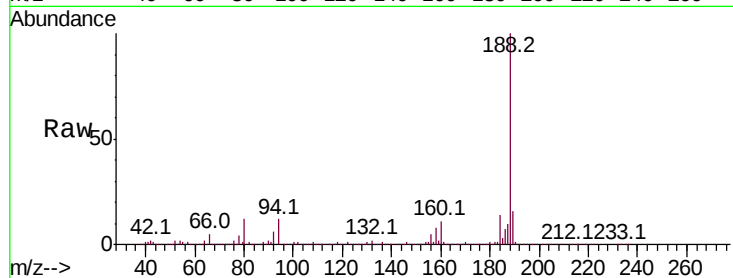
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-B

Tot Ion	Ratio	Lower	Upper
188	100		
94	12.0	8.5	12.7
80	12.5	9.0	13.6

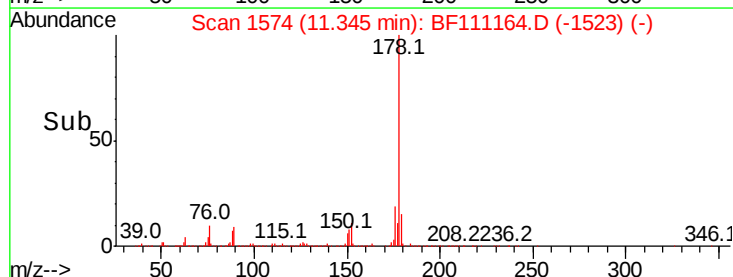
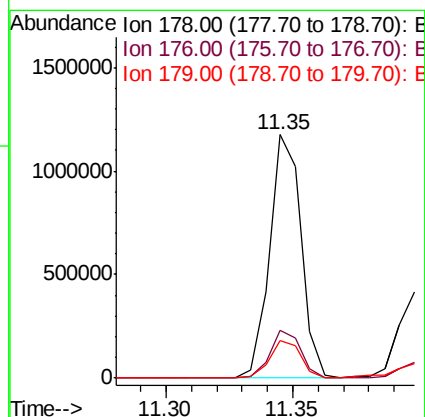
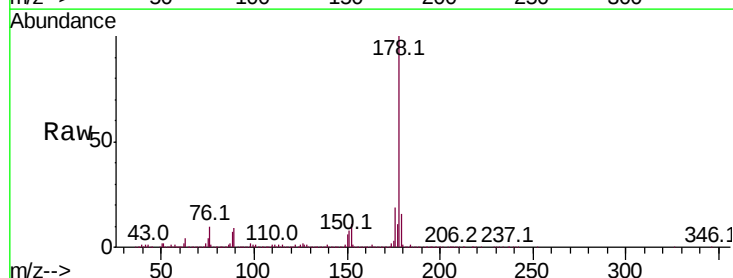
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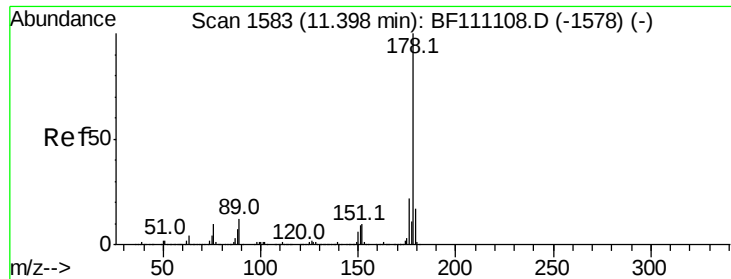
mohammad
12/10/2018 12:19:25 PM



#71
Phenanthrene
Concen: 19.170 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	17.7	26.5
179	15.5	14.0	21.0





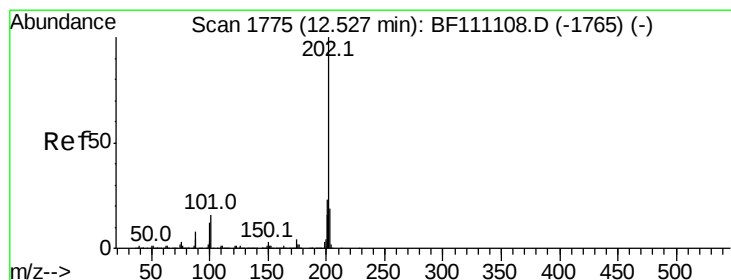
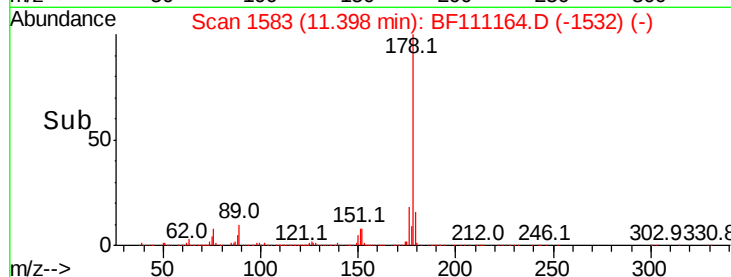
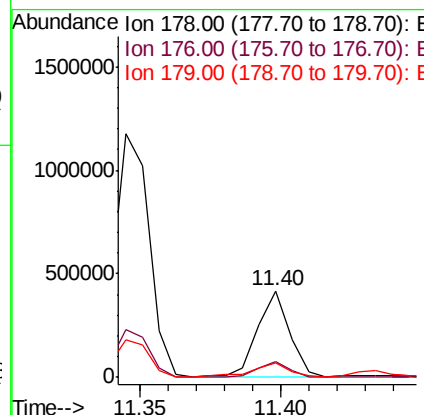
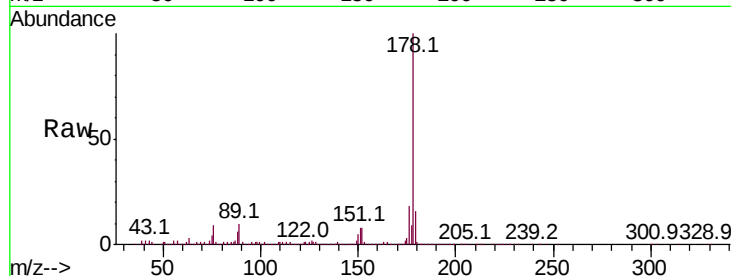
#72
 Anthracene
 Concen: 6.015 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF111164.D
 Acq: 7 Dec 2018 3:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-120518-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	17.3	25.9
179	16.2	13.8	20.8

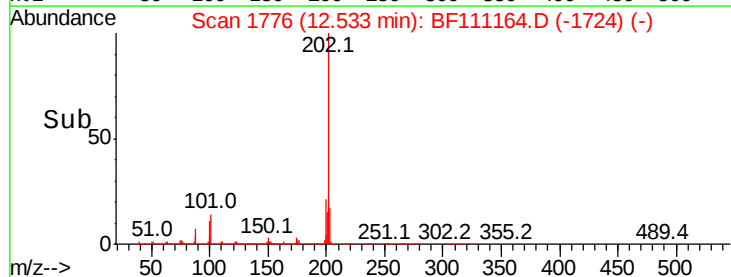
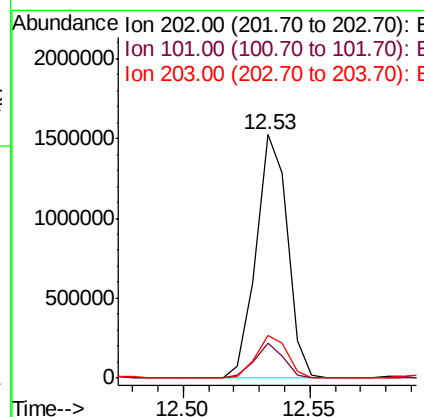
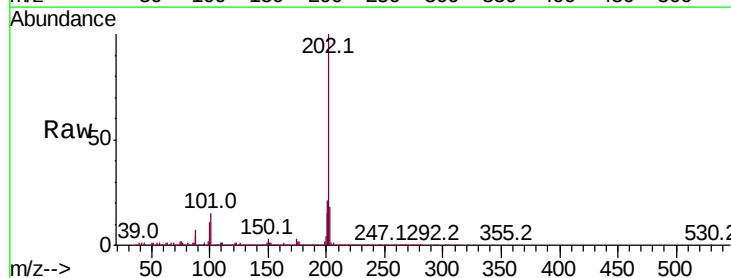
Manual Integrations
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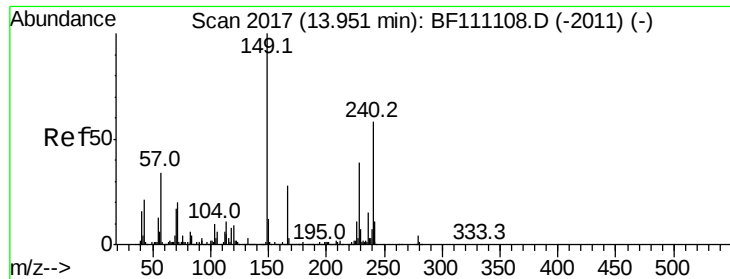
mohammad
 12/10/2018 12:19:25 PM



#75
 Fluoranthene
 Concen: 25.174 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.01 min
 Lab File: BF111164.D
 Acq: 7 Dec 2018 3:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	35.8
203	17.6	0.0	38.6





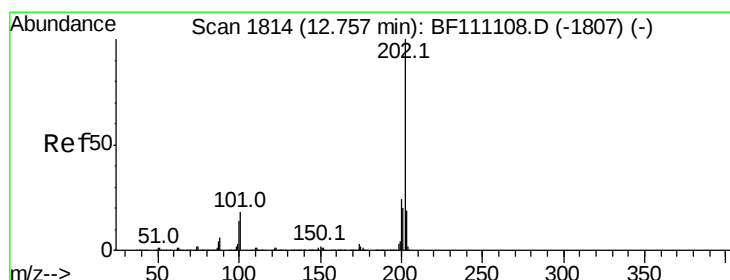
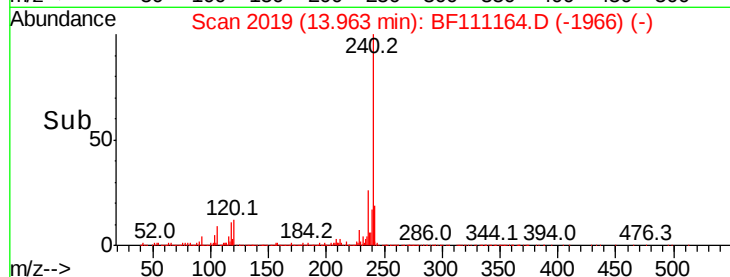
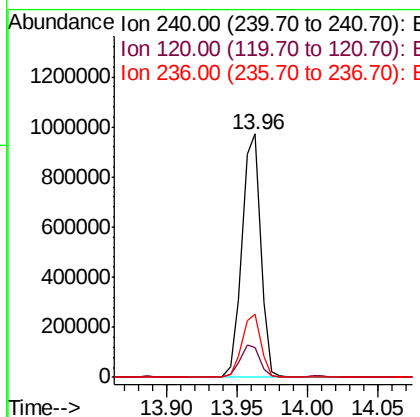
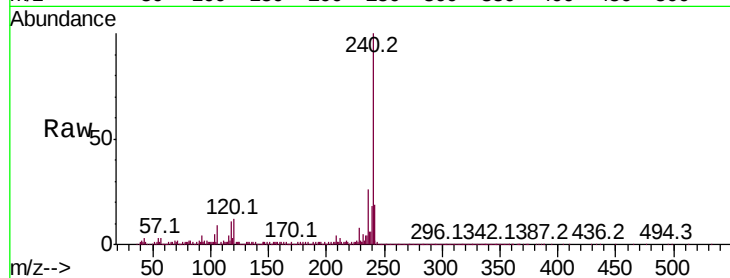
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	12.8	19.2#
236	25.9	21.1	31.7

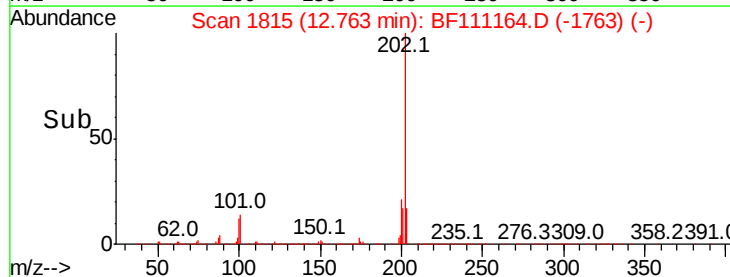
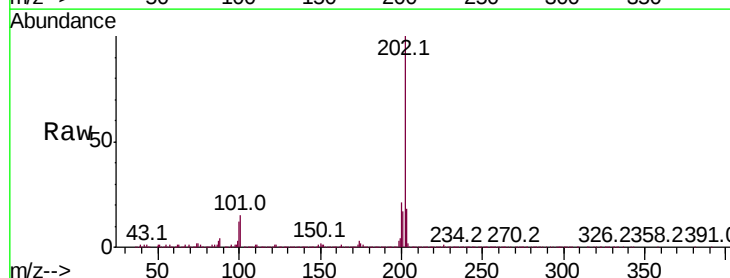
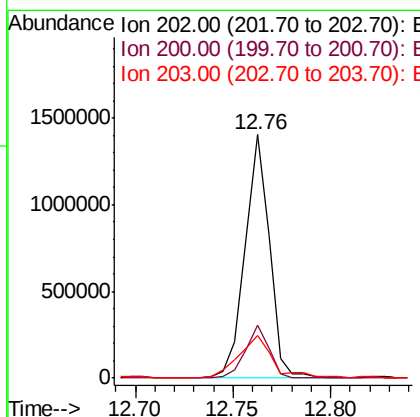
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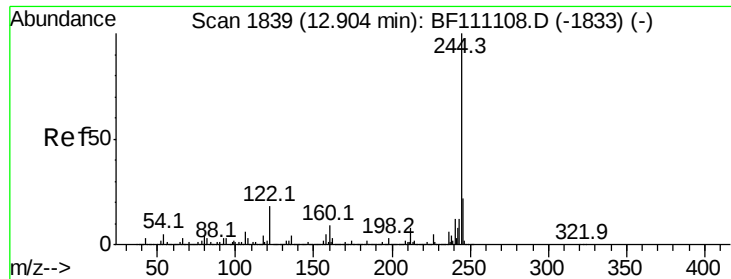
mohammad
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#78
Pyrene
Concen: 17.311 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	19.3	28.9
203	17.6	15.4	23.2





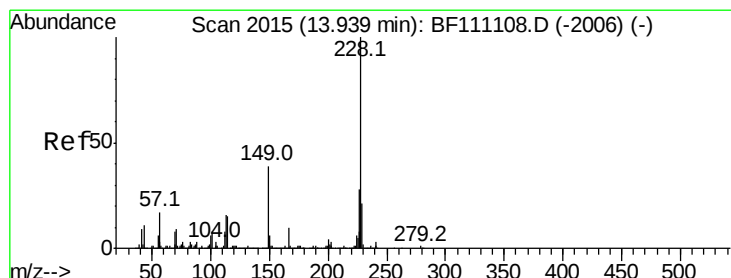
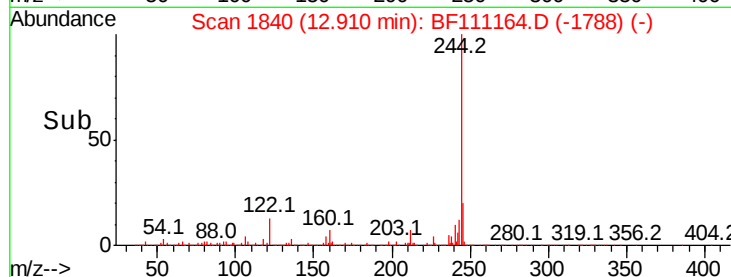
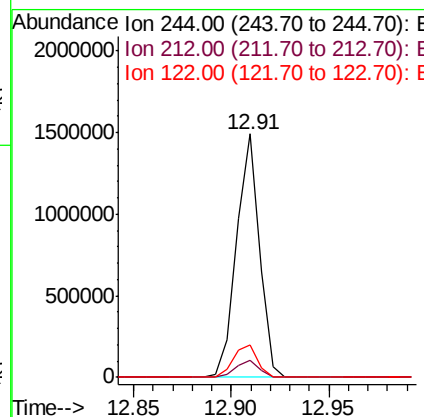
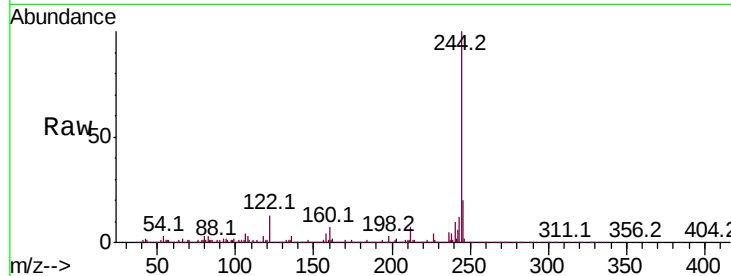
#79
 Terphenyl-d14
 Concen: 27.591 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111164.D
 Acq: 7 Dec 2018 3:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-120518-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.6	9.8
122	13.3	14.2	21.2

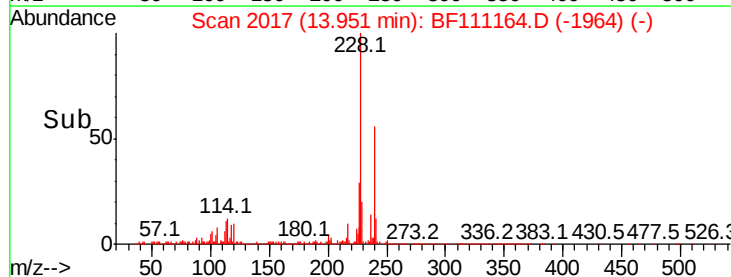
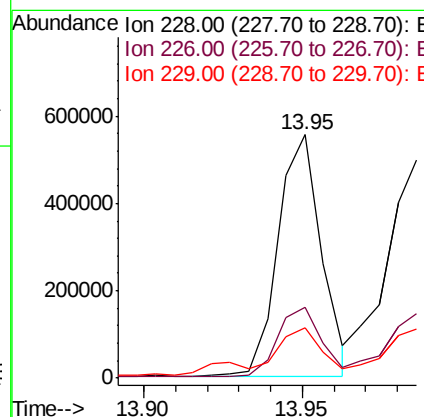
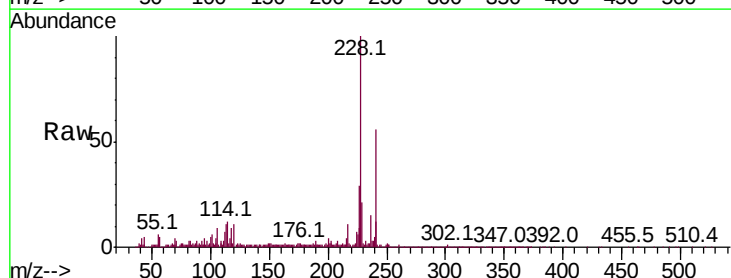
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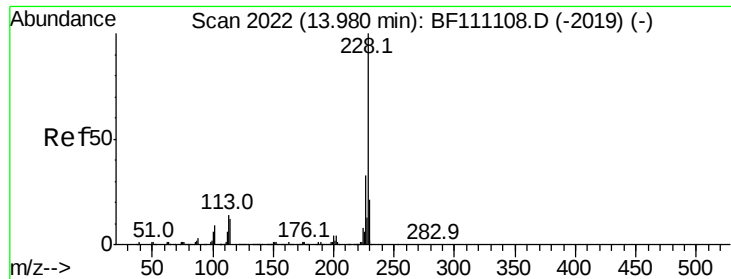
mohammad
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#81
 Benzo(a)anthracene
 Concen: 10.031 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: BF111164.D
 Acq: 7 Dec 2018 3:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	34.0
229	20.6	16.7	25.1





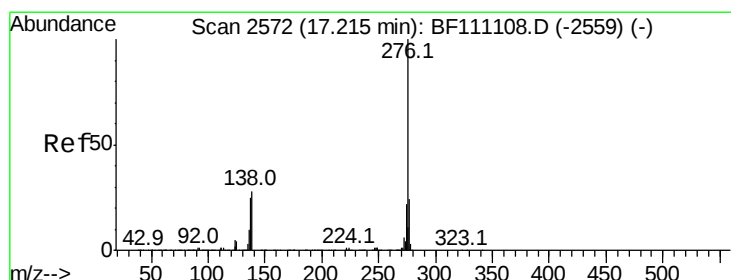
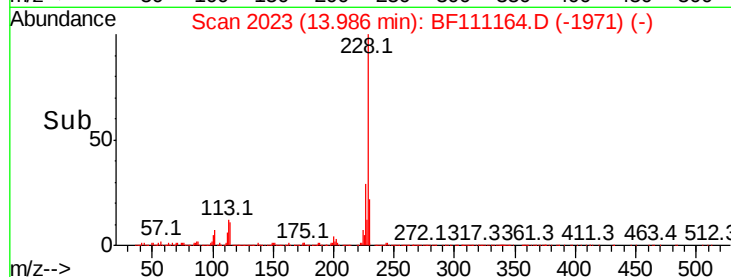
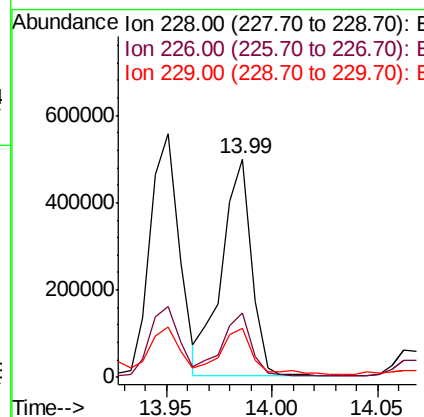
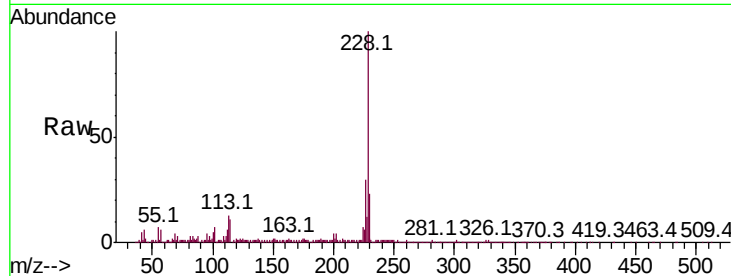
#83
Chrysene
Concen: 9.297 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	26.2	39.2
229	22.5	16.9	25.3

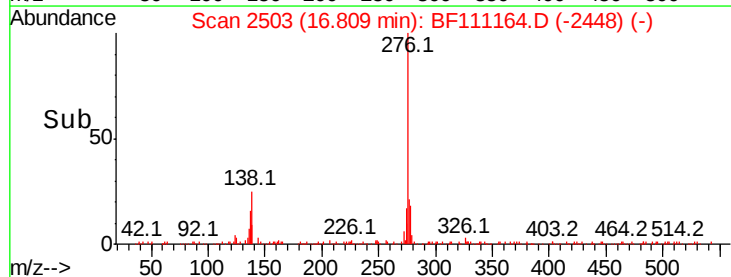
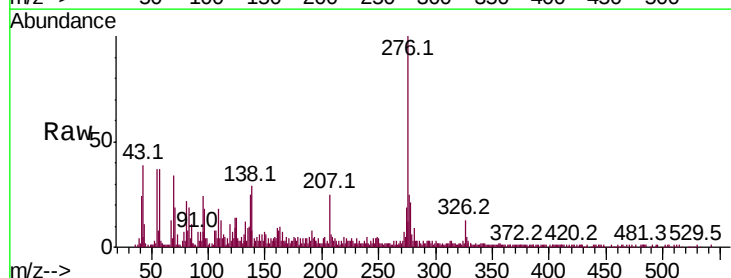
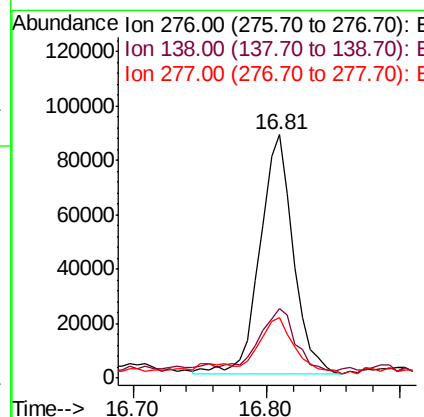
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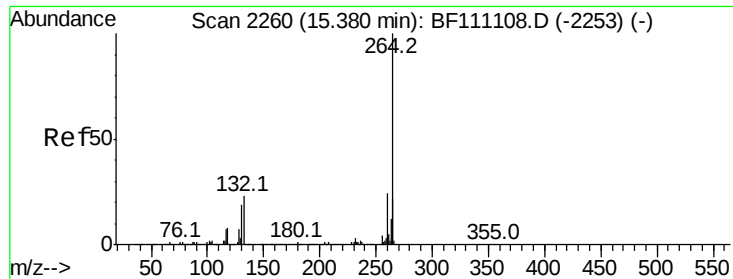
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.594 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.02 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	20.2	30.4
277	24.8	15.8	23.6





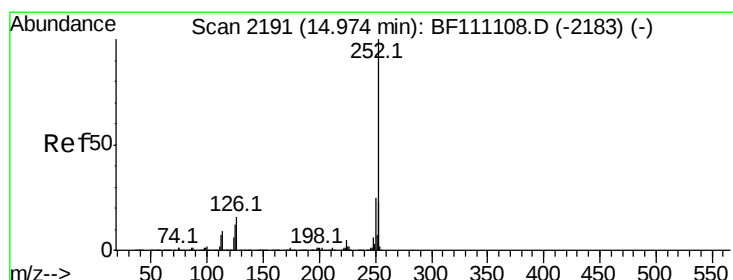
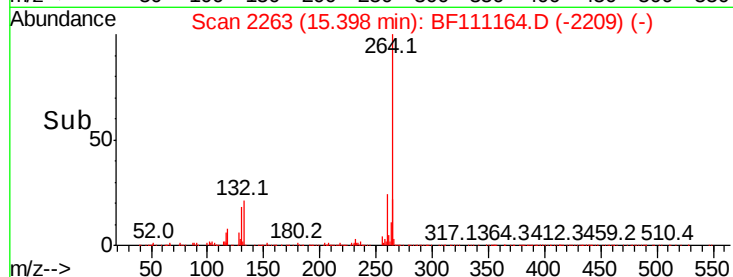
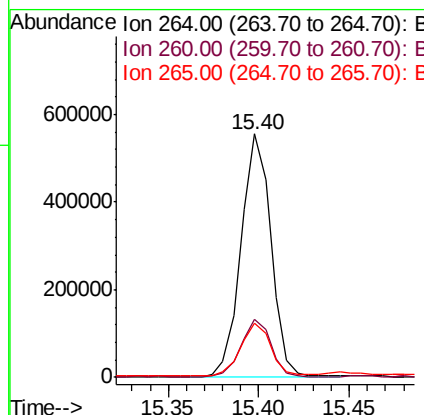
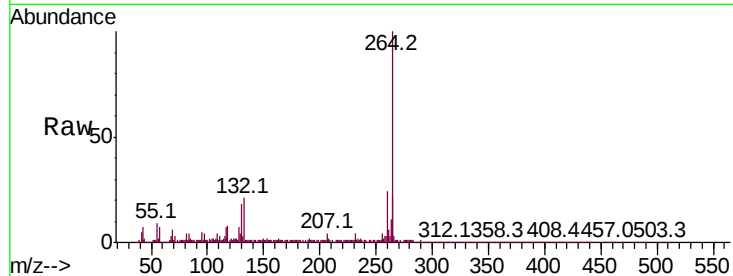
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.02 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.0
265	22.5	17.4	26.0

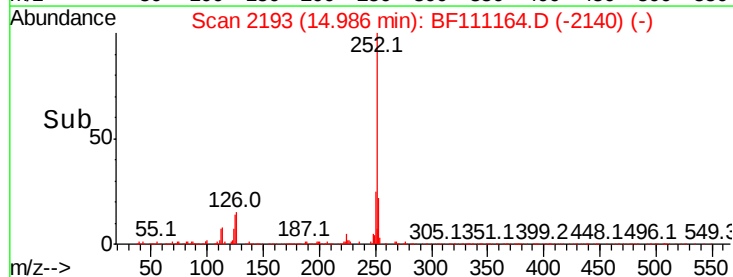
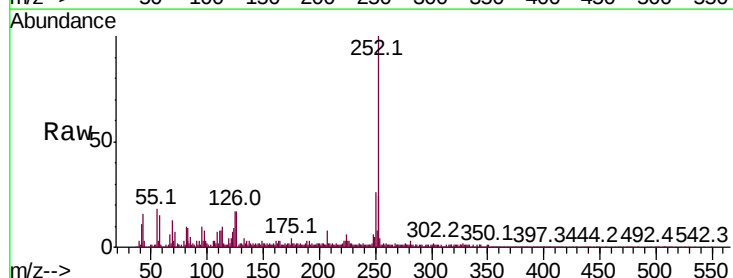
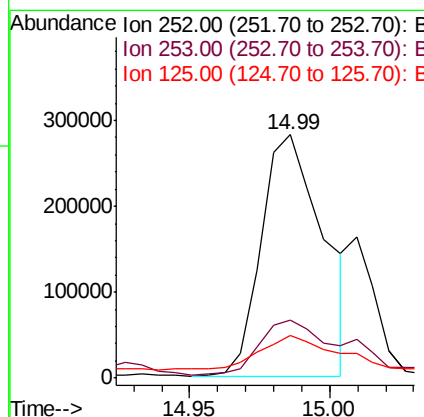
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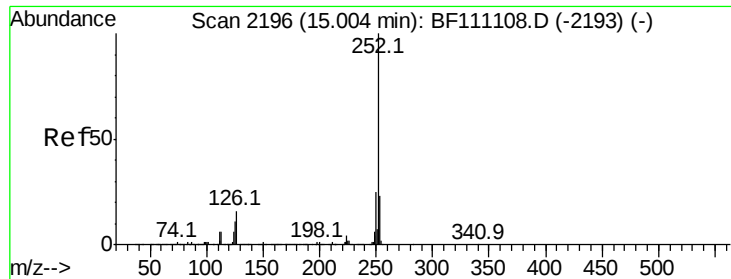
mohammad
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#88
Benzo(b)fluoranthene
Concen: 11.962 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.5	27.7
125	17.5	9.9	14.9#





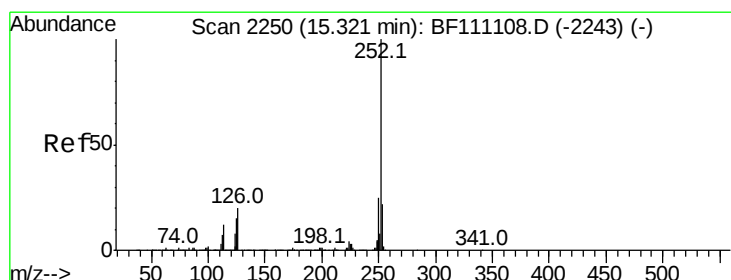
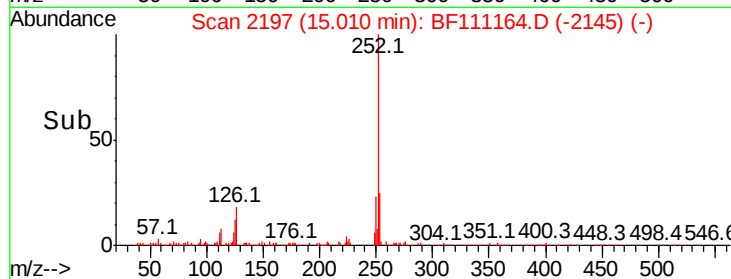
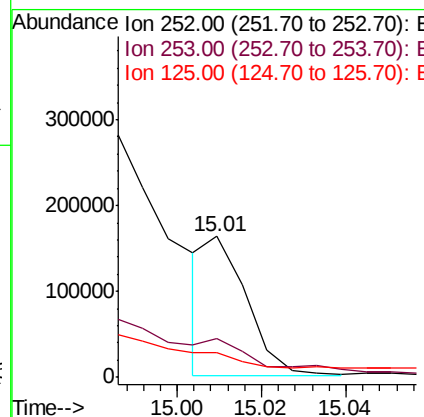
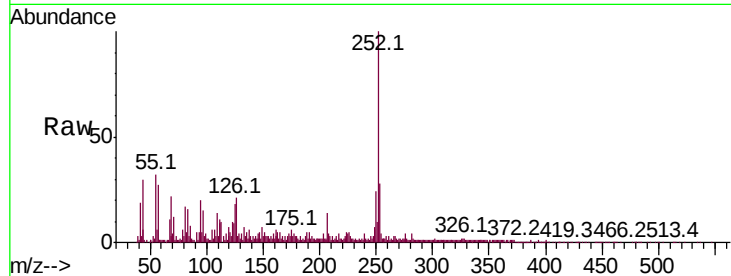
#89
Benzo(k)fluoranthene
Concen: 3.119 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.2	27.4#
125	17.6	9.9	14.9#

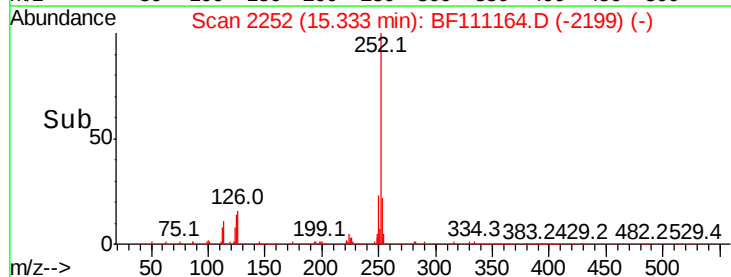
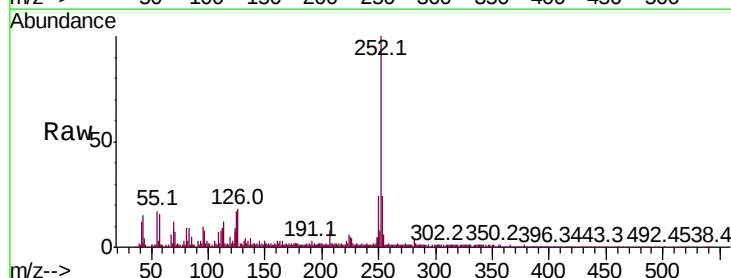
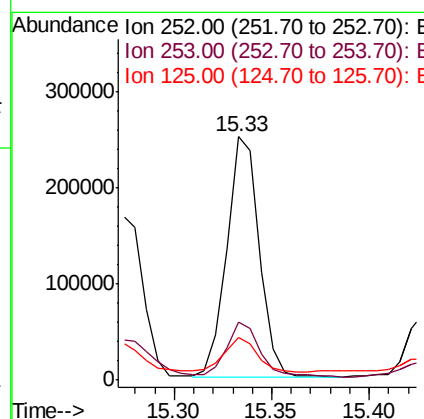
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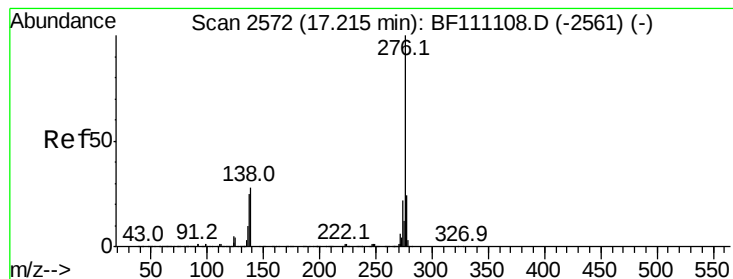
mohammad
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#90
Benzo(a)pyrene
Concen: 8.808 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111164.D
Acq: 7 Dec 2018 3:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	17.3	12.4	18.6





#92

Benzo(a,h,i)perylene

Concen: 5.269 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.02 min

Lab File: BF111164.D

Acq: 7 Dec 2018 3:11

Instrument :

BNA_F

ClientSampleId :

OR-01-120518-B

Tot Ion:	276	Resp:	146121
Ion Ratio	Lower	Upper	
276	100		
277	27.3	19.3	28.9
138	32.0	22.3	33.5

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