

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011819\
 Data File : BF112146.D
 Acq On : 19 Jan 2019 1:07
 Operator : JU/SJ
 Sample : K1011-05 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-011719-A

Manual Integrations
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Sohil
 1/21/2019 12:01:01 PM

Quant Time: Jan 19 03:50:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	263214	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1016587	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	448470	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	720064	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	590624	20.00	ng	0.00
87) Perylene-d12	15.49	264	499799	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	290586	20.04	ng	-0.01
7) Phenol-d6	6.49	99	379359	20.91	ng	-0.01
23) Nitrobenzene-d5	7.41	82	209888	14.26	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	64541	13.34	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	493934	16.15	ng	0.00
79) Terphenyl-d14	12.96	244	396242	14.27	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.40	178	362395	10.000	ng	98
72) Anthracene	11.45	178	116062	3.162	ng	96
75) Fluoranthene	12.59	202	635804	16.618	ng	98
78) Pyrene	12.82	202	605531	15.540	ng	98
81) Benzo(a)anthracene	14.01	228	343236	10.136	ng	97
83) Chrysene	14.05	228	321138	10.022	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	146990	4.972	ng	# 94
88) Benzo(b)fluoranthene	15.06	252	418209m	14.741	ng	
89) Benzo(k)fluoranthene	15.09	252	123920m	4.513	ng	
90) Benzo(a)pyrene	15.43	252	288260	11.079	ng	97
92) Benzo(g,h,i)perylene	17.42	276	142580	6.263	ng	100

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

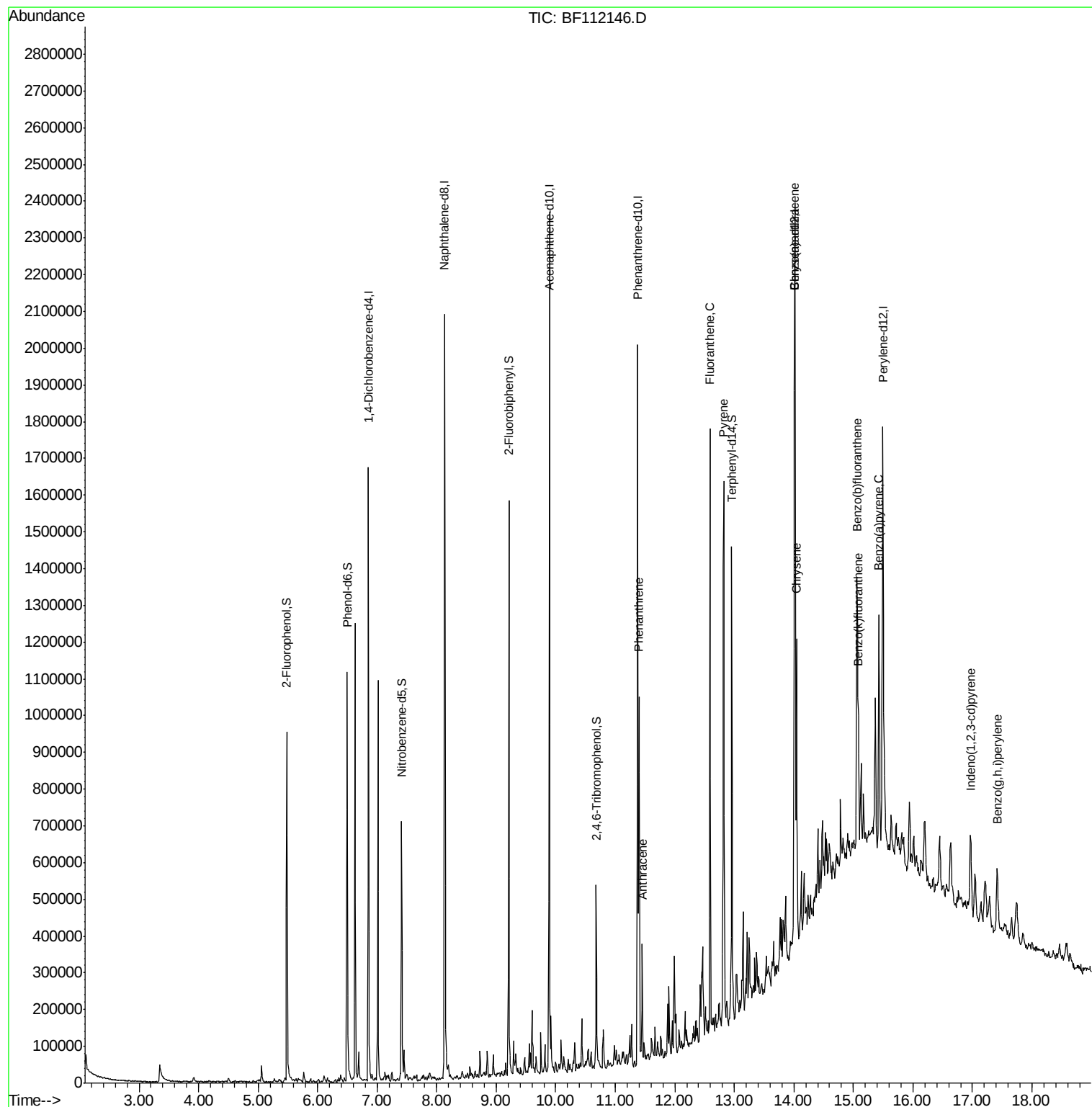
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011819\
Data File : BF112146.D
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Operator : JU/SJ
Sample : K1011-05 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

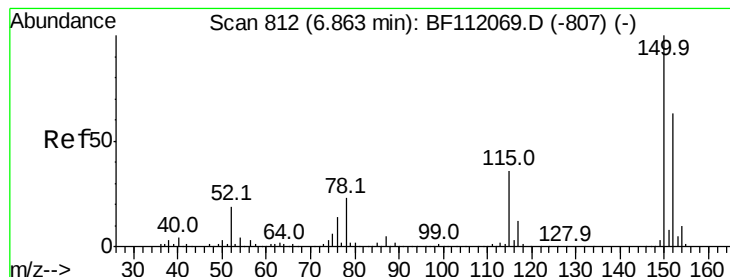
Instrument :
BNA_F
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OR-03-011719-A

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Quant Time: Jan 19 03:50:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

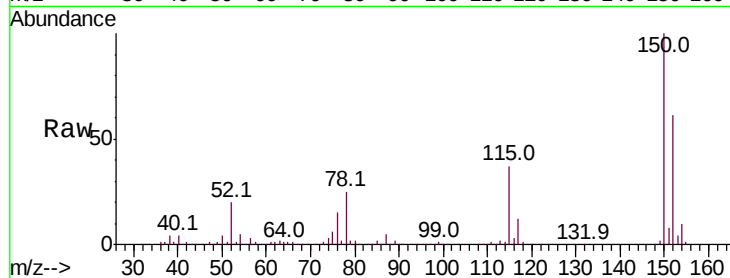
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.6	127.4	191.0
115	61.0	45.5	68.3

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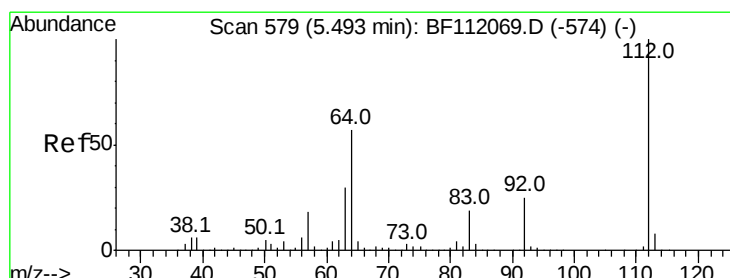
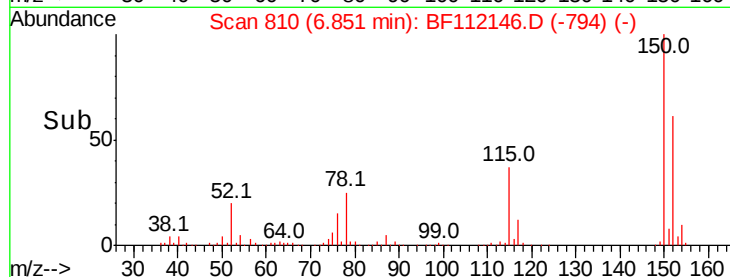
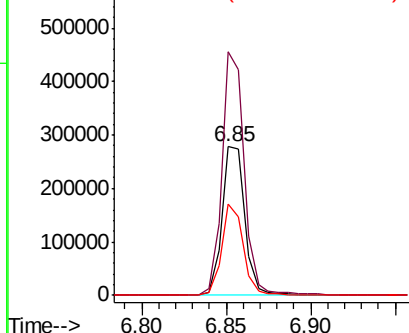


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

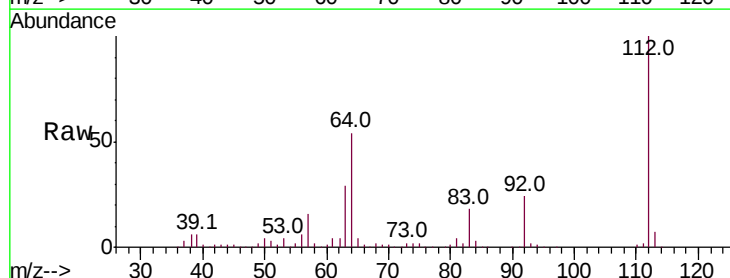
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.038 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	45.7	68.5
63	28.8	23.6	35.4

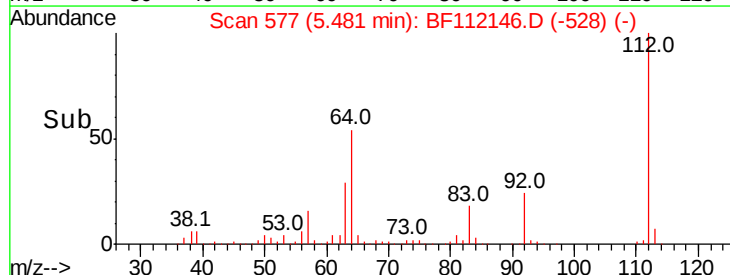
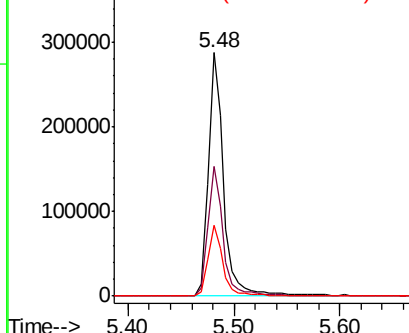


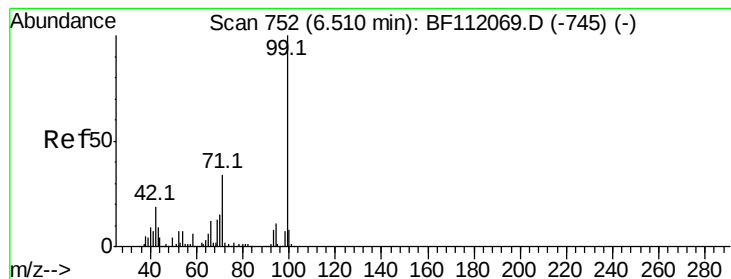
Abundance

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: 20.908 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112146.D

Acq: 19 Jan 2019 1:07

Instrument :

BNA_F

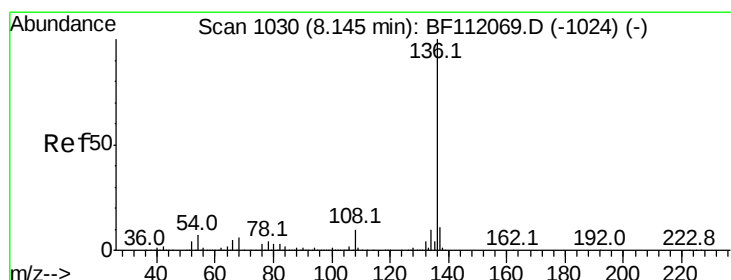
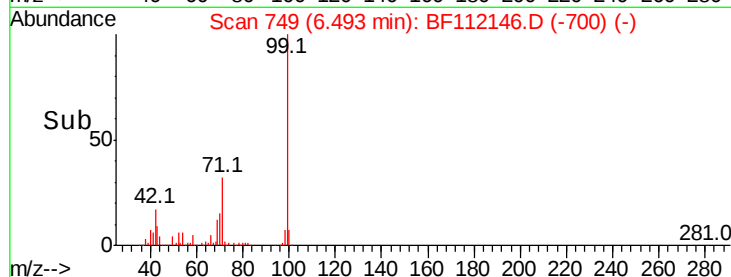
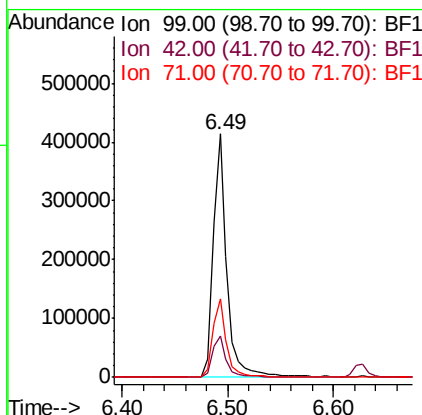
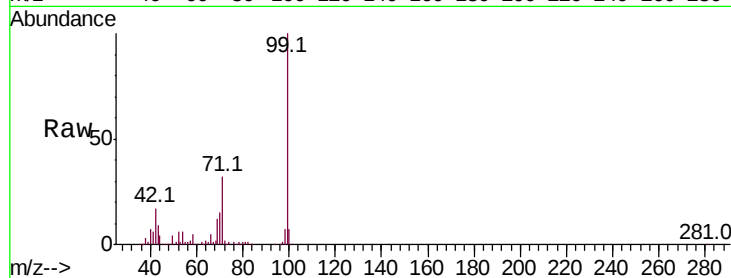
ClientSampleId :

OR-03-011719-A

Tot Ion	Ion	Ratio	Lower	Upper
99	100			
42	17.1	15.1	22.7	
71	32.3	26.9	40.3	

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#21

Naphthalene-d8

Concen: 20.000 ng

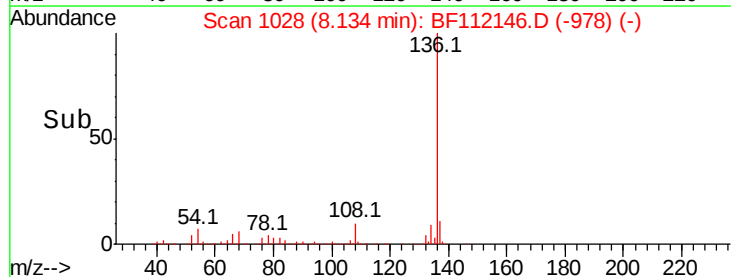
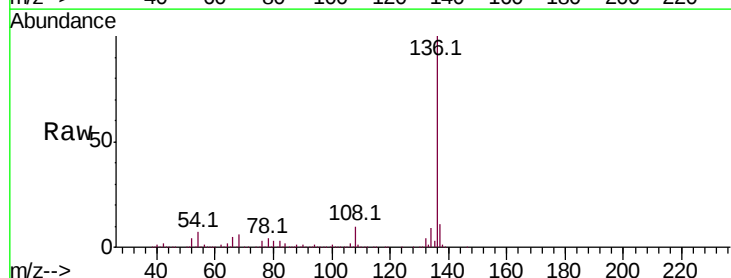
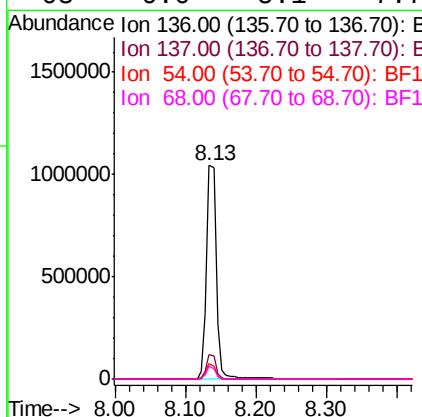
RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF112146.D

Acq: 19 Jan 2019 1:07

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.4	9.1	13.7	
54	7.1	5.9	8.9	
68	6.0	5.1	7.7	





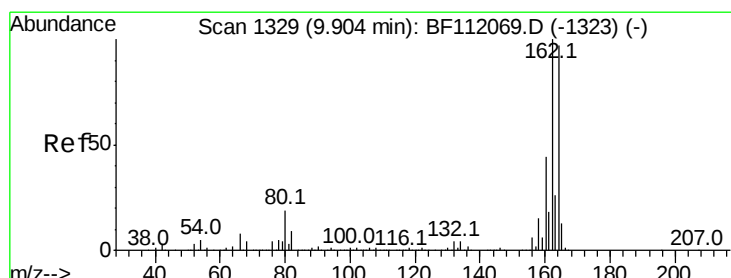
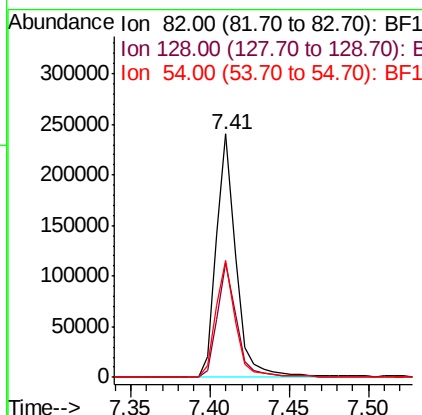
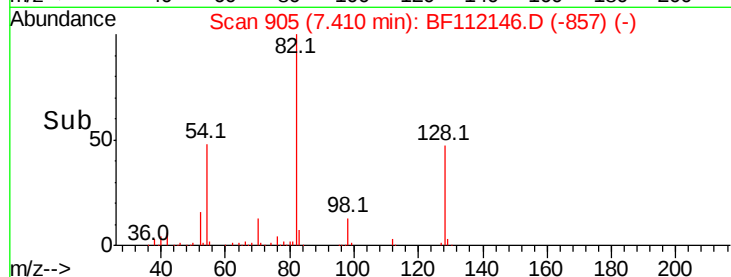
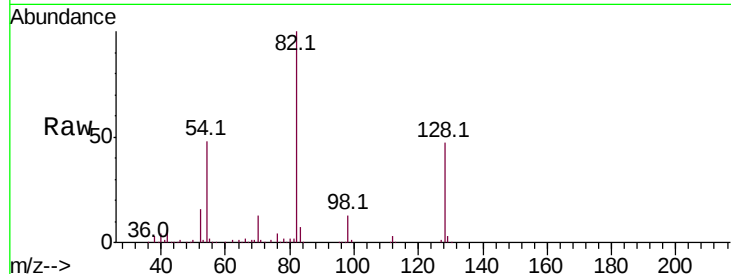
#23
Nitrobenzene-d5
Concen: 14.264 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-A

Tot Ion	Ratio	Resp	Lower	Upper
82	100	209888		
128	47.0		37.8	56.8
54	48.0		39.7	59.5

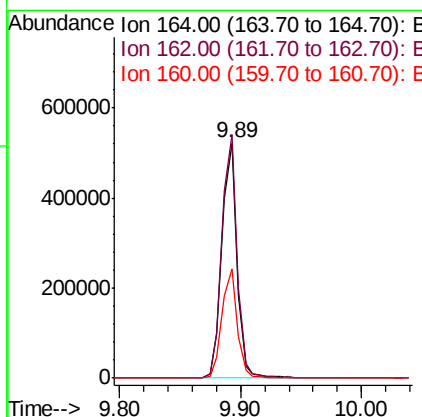
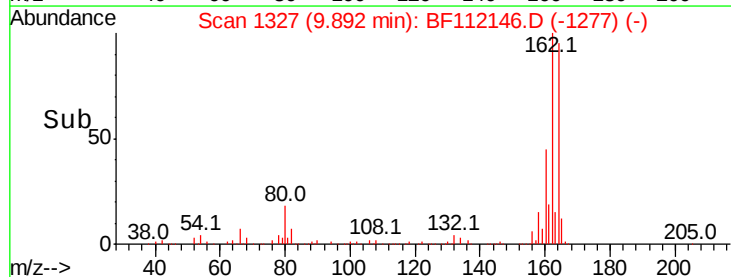
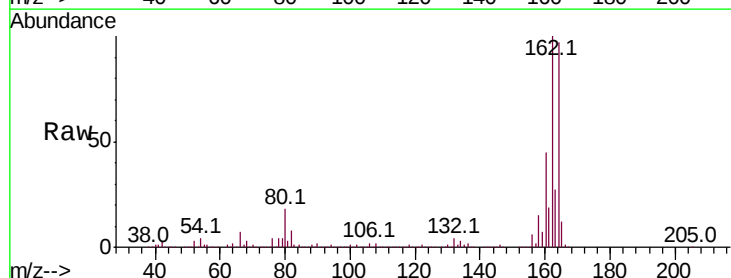
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	448470		
162	103.5		82.2	123.4
160	46.4		36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 13.340 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF112146.D

Acq: 19 Jan 2019 1:07

Instrument :

BNA_F

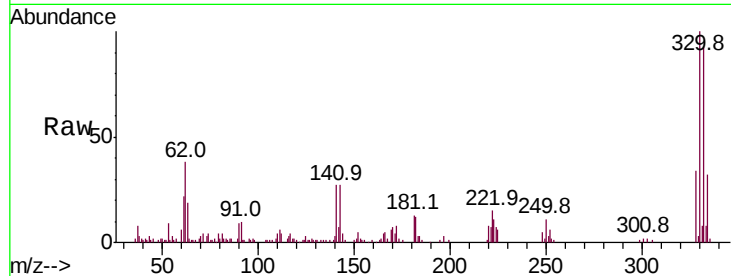
ClientSampleId :

OR-03-011719-A

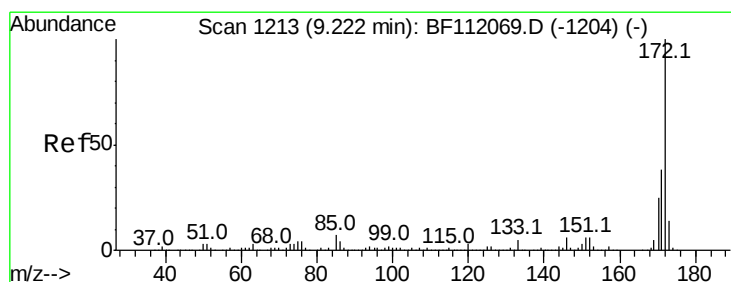
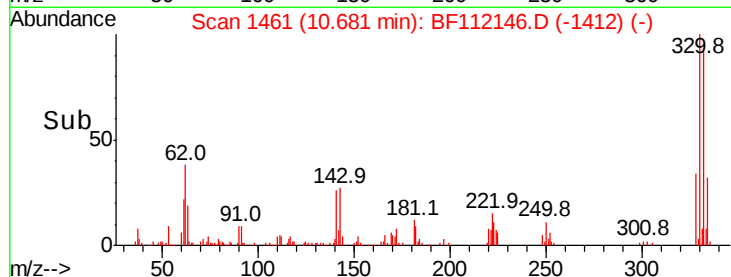
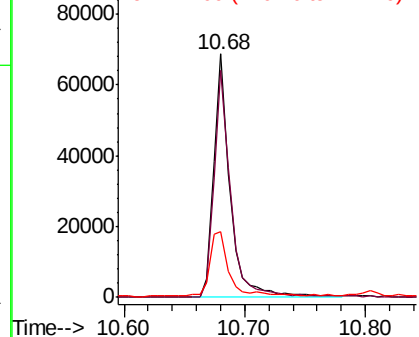
Tot Ion:	330	Resp:	64541
Ion Ratio	Lower	Upper	
330	100		
332	95.4	76.6	114.8
141	29.1	24.3	36.5

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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: 16.147 ng

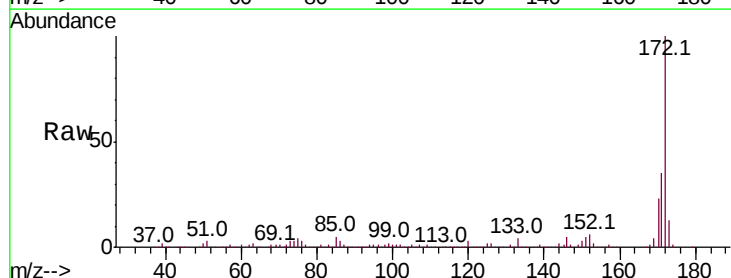
RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

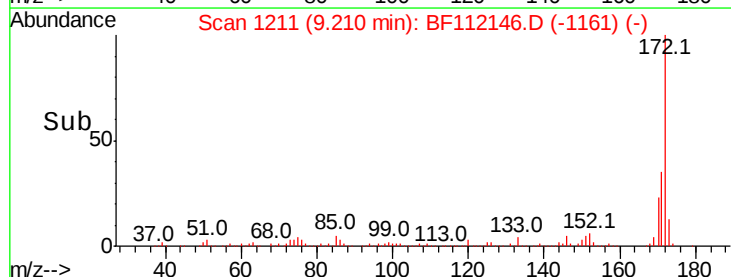
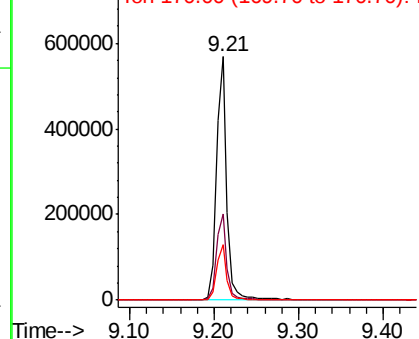
Lab File: BF112146.D

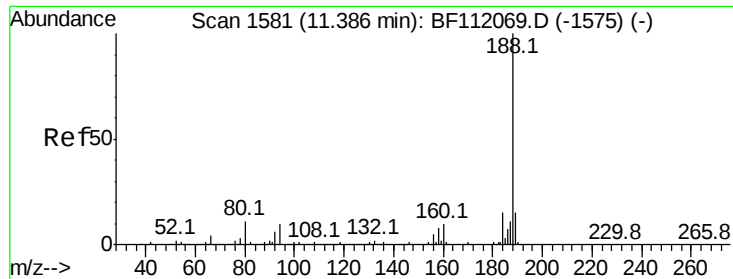
Acq: 19 Jan 2019 1:07

Tgt Ion:	172	Resp:	493934
Ion Ratio	Lower	Upper	
172	100		
171	35.3	30.5	45.7
170	22.8	20.2	30.4



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





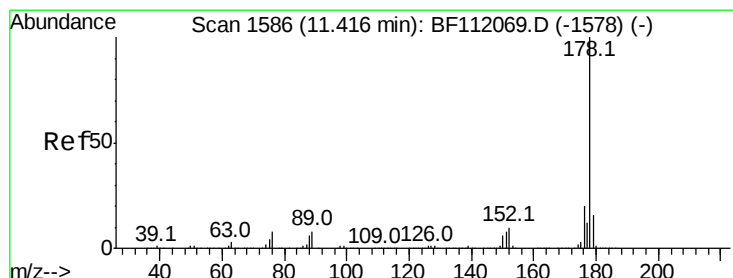
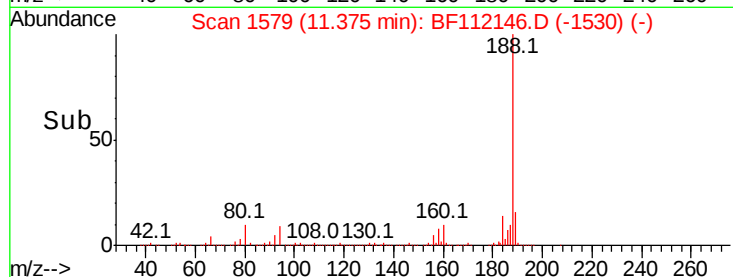
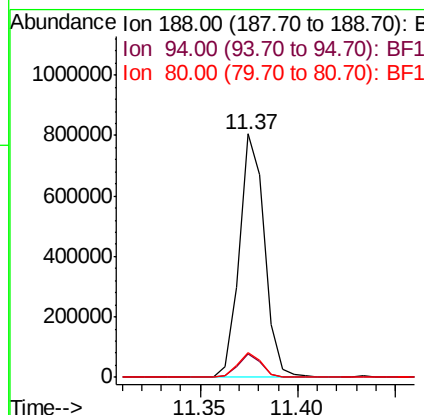
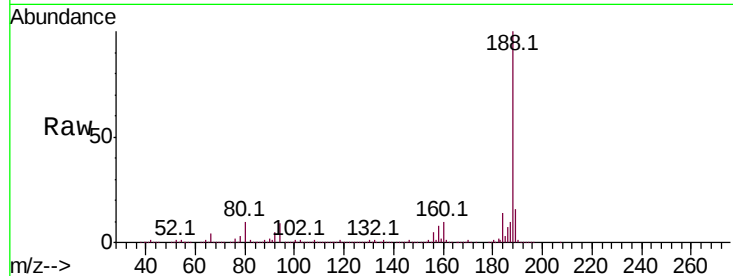
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Instrument :
BNA_F
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OR-03-011719-A

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.4	8.2	12.2
80	10.2	8.9	13.3

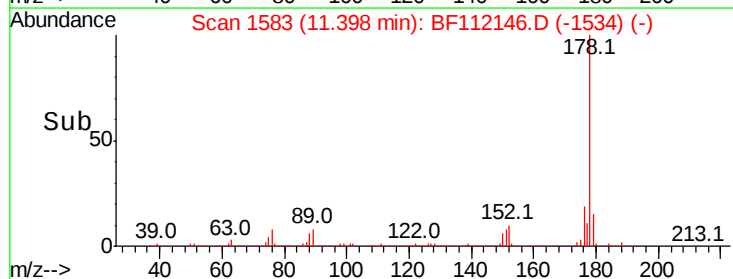
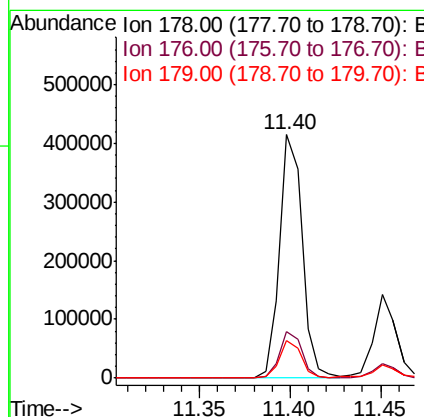
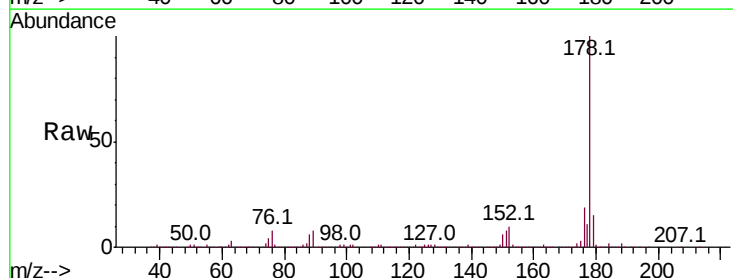
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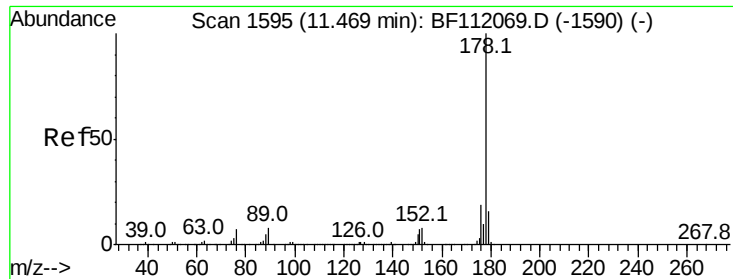
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#71
Phenanthrene
Concen: 10.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	16.3	24.5
179	15.5	13.0	19.4





#72

Anthracene

Concen: 3.162 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.01 min

Lab File: BF112146.D

Acq: 19 Jan 2019 1:07

Instrument :

BNA_F

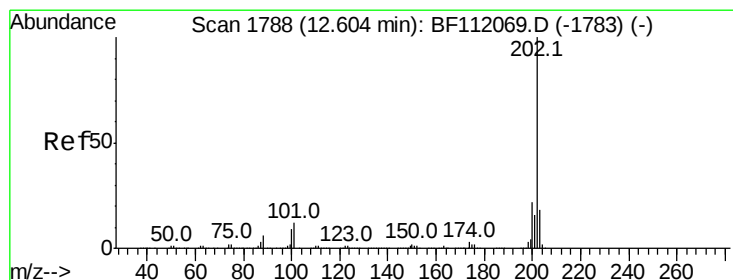
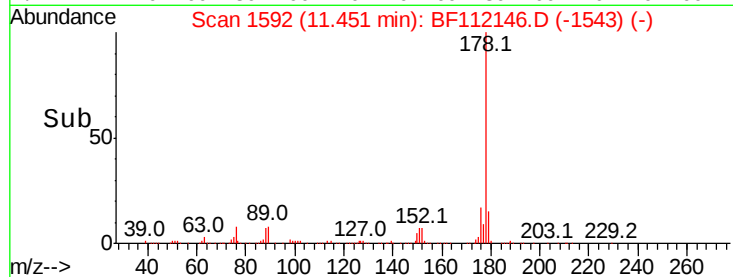
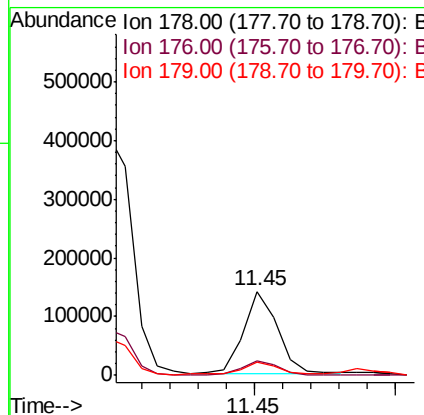
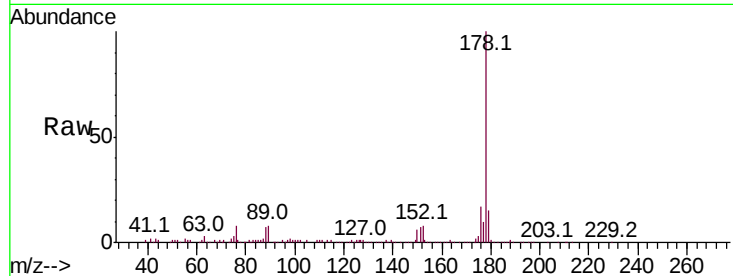
ClientSampleId :

OR-03-011719-A

Tot Ion:	178	Resp:	116062
Ion Ratio	Lower	Upper	
178	100		
176	16.8	15.5	23.3
179	15.2	12.8	19.2

Manual Integrations
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#75

Fluoranthene

Concen: 16.618 ng

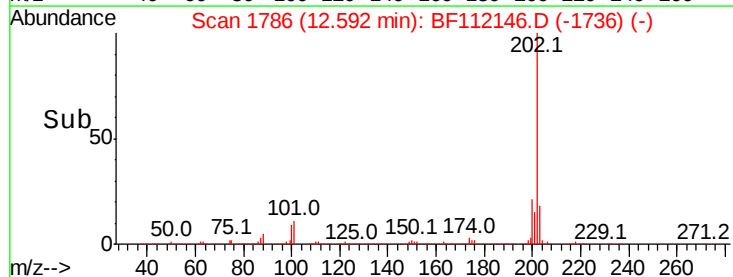
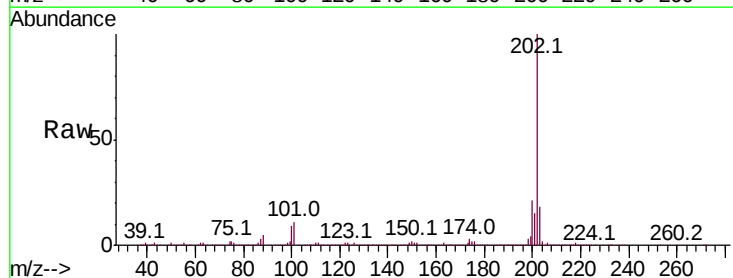
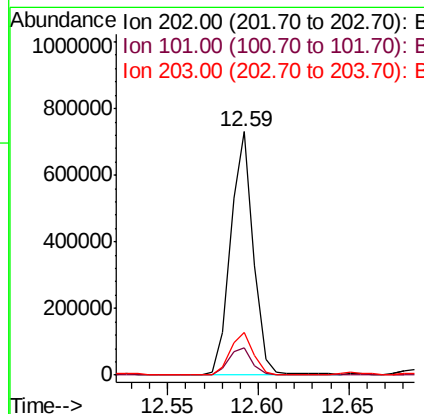
RT: 12.59 min Scan# 1786

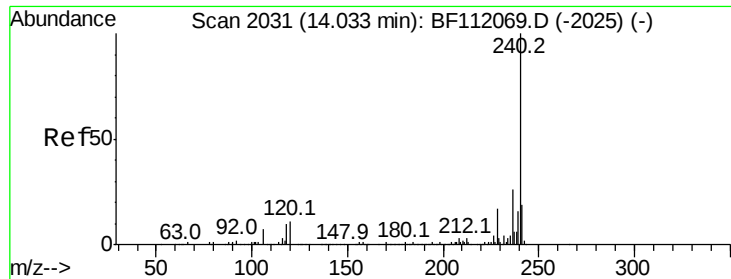
Delta R.T. -0.01 min

Lab File: BF112146.D

Acq: 19 Jan 2019 1:07

Tgt Ion:	202	Resp:	635804
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	31.8
203	17.7	0.0	38.4





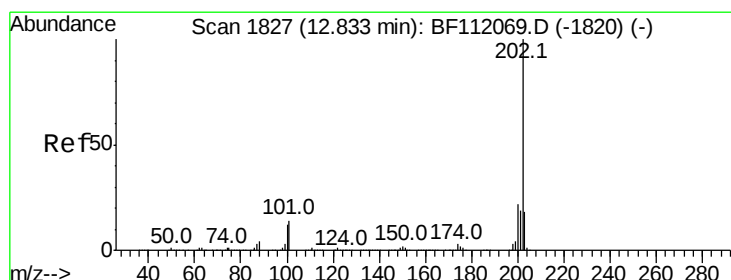
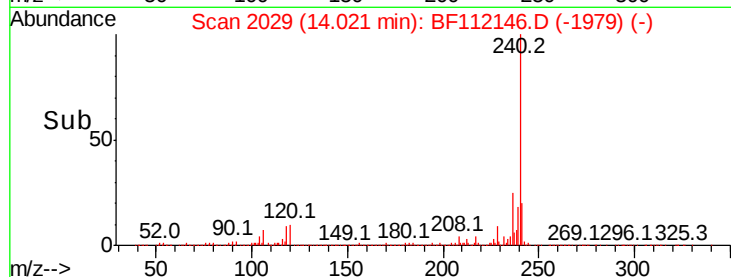
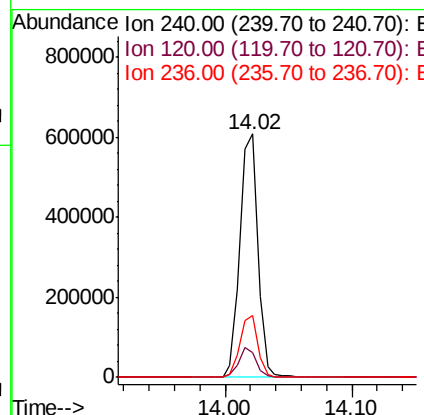
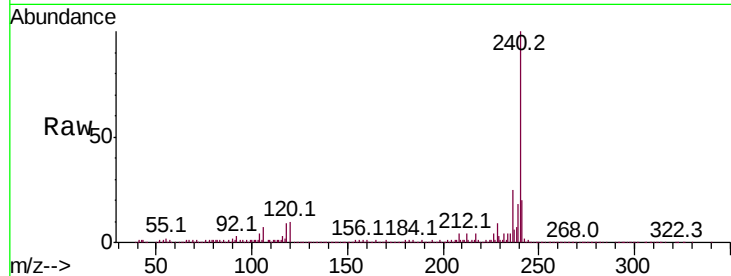
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF112146.D
 Acq: 19 Jan 2019 1:07

Instrument :
 BNA_F
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 OR-03-011719-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.0	13.6
236	25.3	20.7	31.1

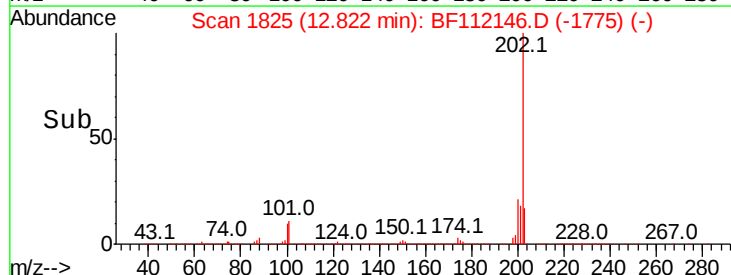
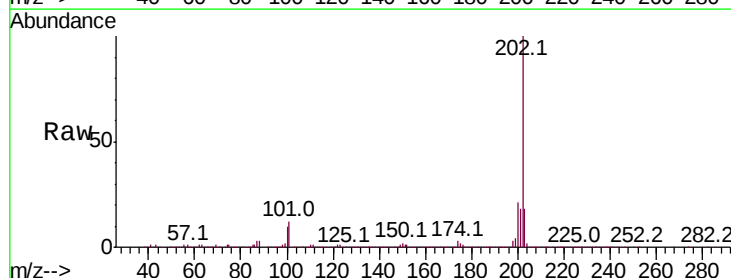
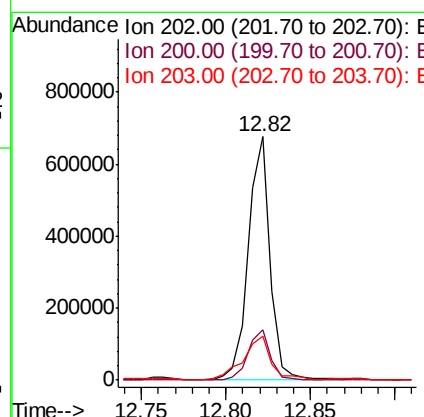
Manual Integrations
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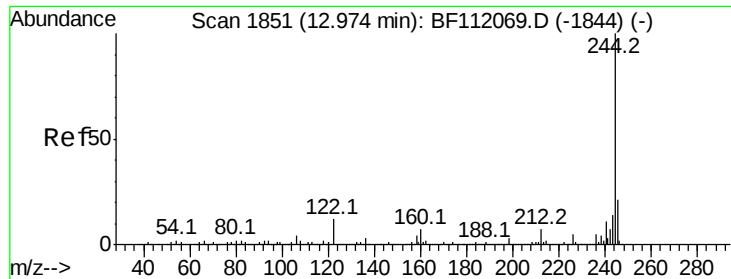
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#78
 Pyrene
 Concen: 15.540 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF112146.D
 Acq: 19 Jan 2019 1:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.7	26.5
203	18.1	14.6	22.0





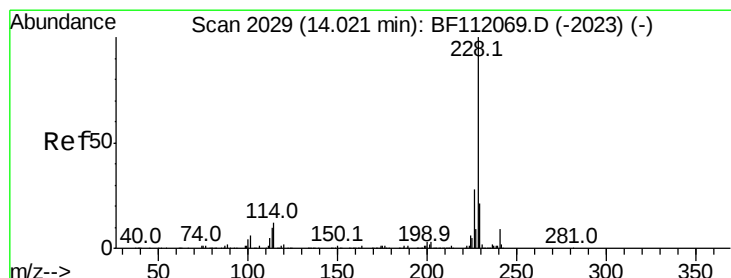
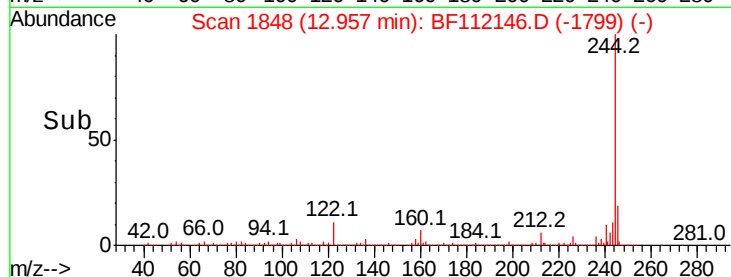
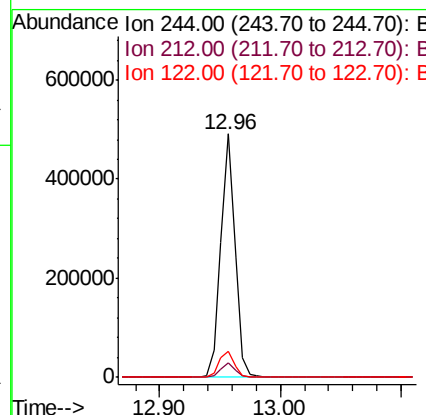
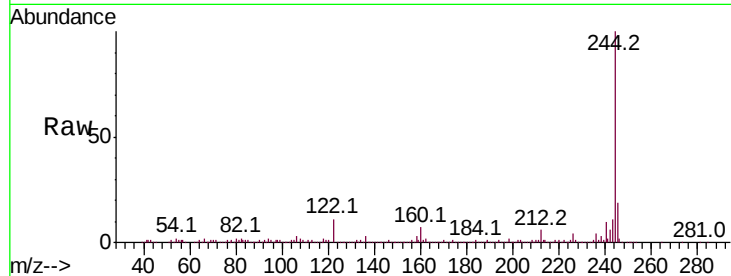
#79
 Terphenyl-d14
 Concen: 14.272 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF112146.D
 Acq: 19 Jan 2019 1:07

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-011719-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.9	8.9
122	10.6	9.8	14.6

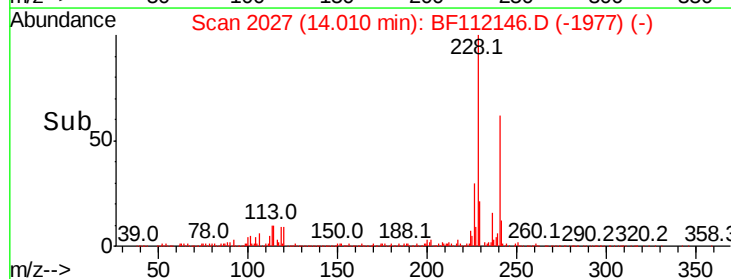
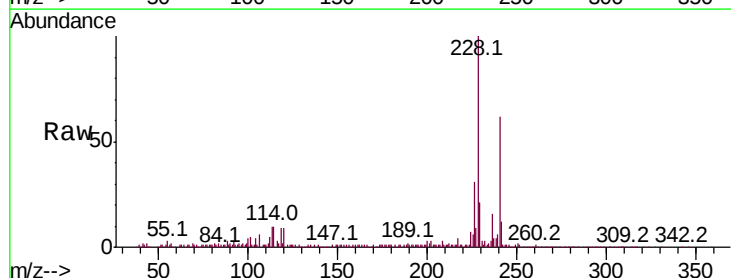
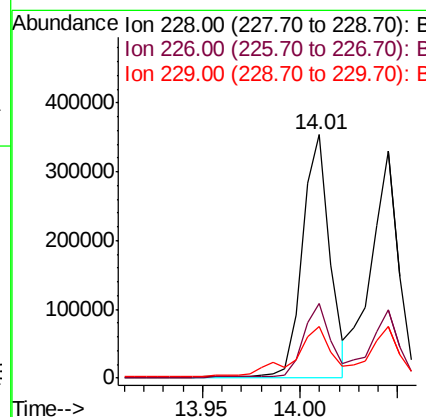
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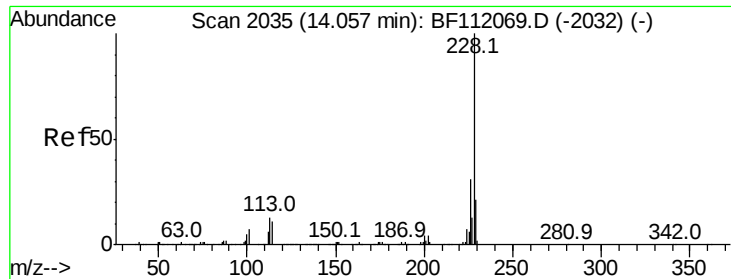
Sohil
 1/21/2019 12:01:01 PM



#81
 Benzo(a)anthracene
 Concen: 10.136 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF112146.D
 Acq: 19 Jan 2019 1:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	34.0
229	21.4	16.5	24.7





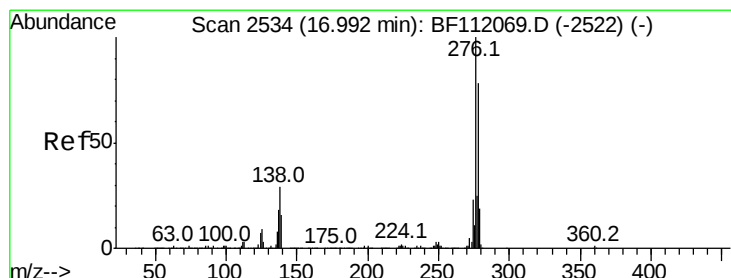
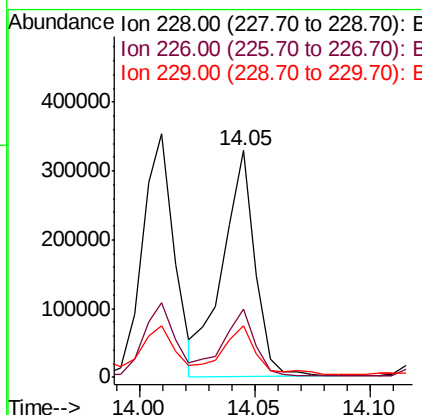
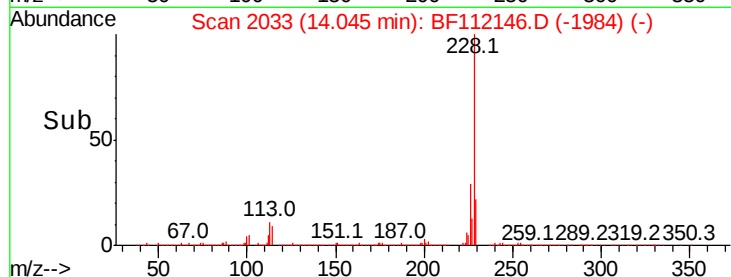
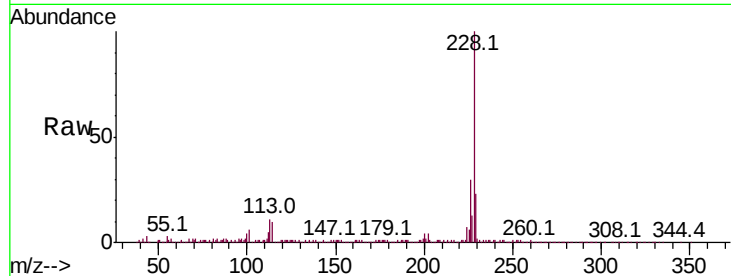
#83
Chrysene
Concen: 10.022 ng
RT: 14.05 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.9	16.6	24.8

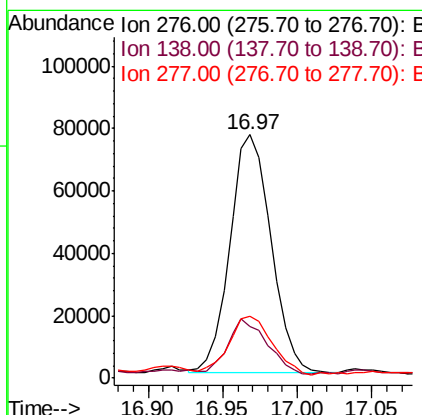
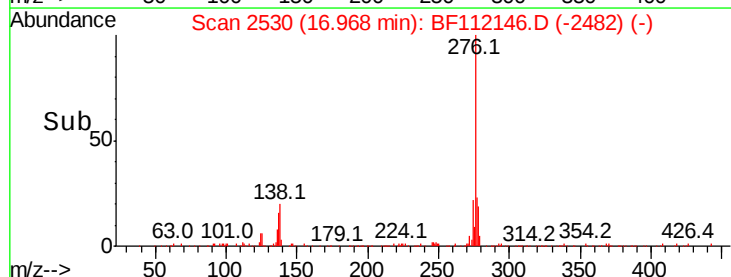
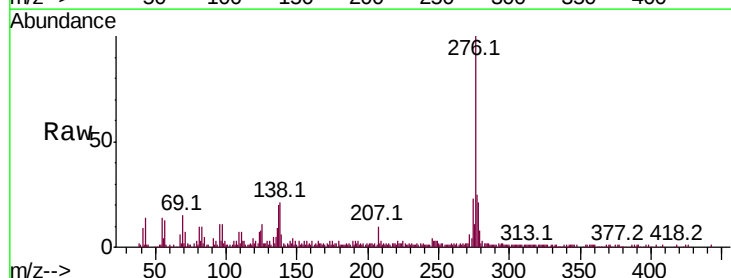
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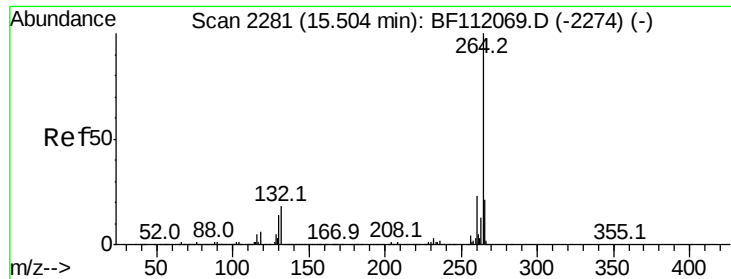
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.972 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	22.6	34.0#
277	25.5	20.3	30.5





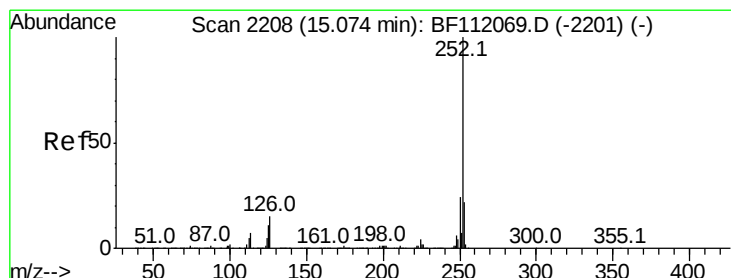
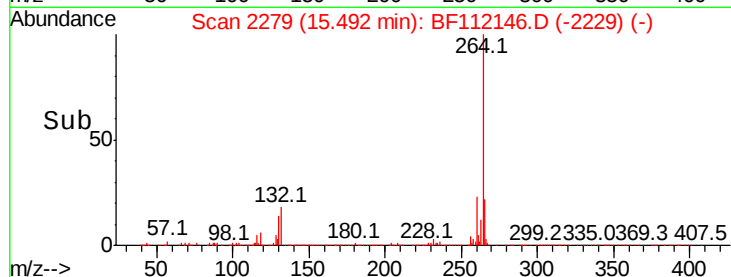
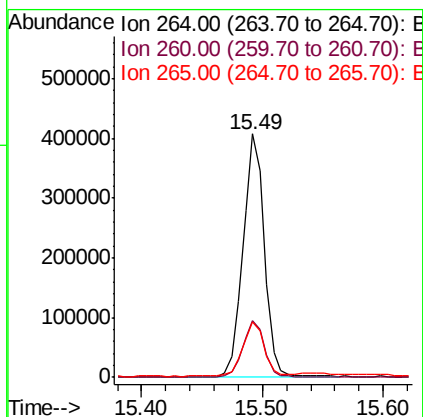
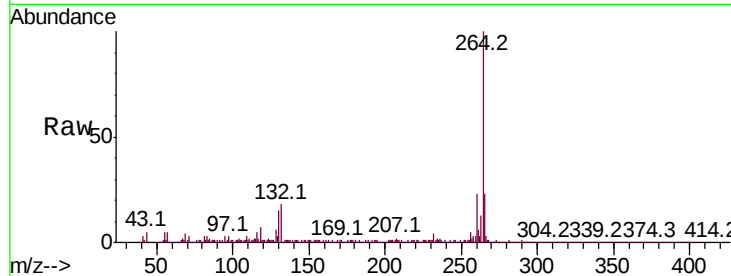
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Instrument :
BNA_F
ClientSampled :
OR-03-011719-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.2
265	22.6	17.0	25.4

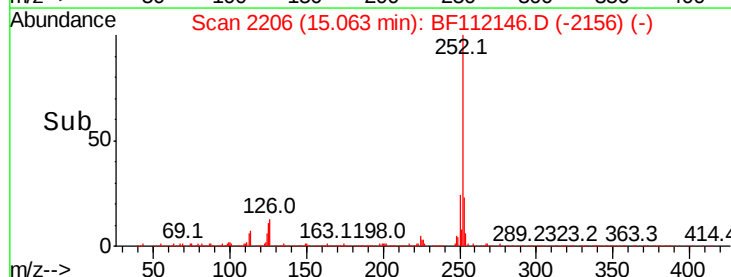
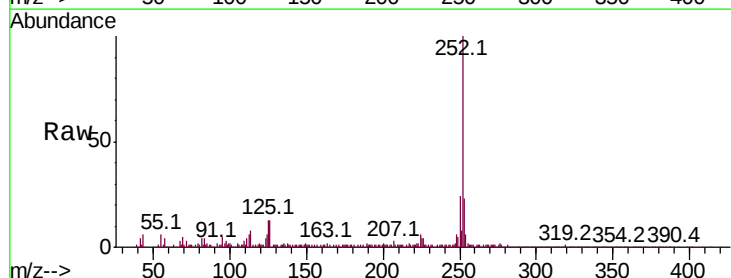
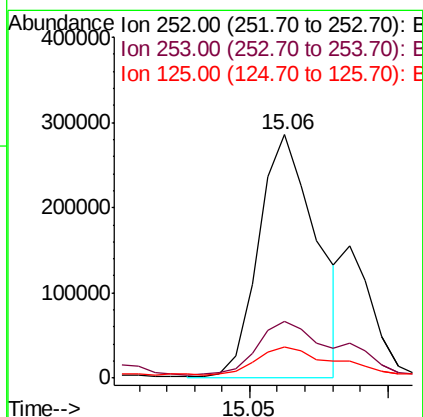
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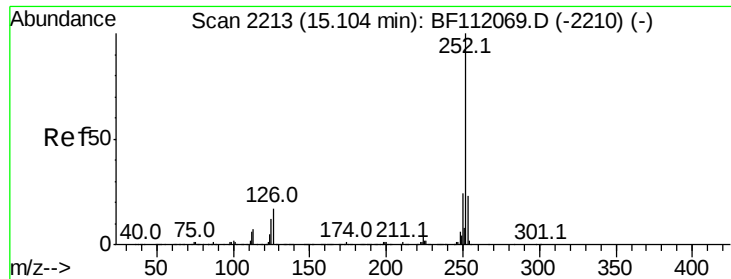
Sohil
1/21/2019 12:01:01 PM



#88
Benzo(b)fluoranthene
Concen: 14.741 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	12.6	8.7	13.1





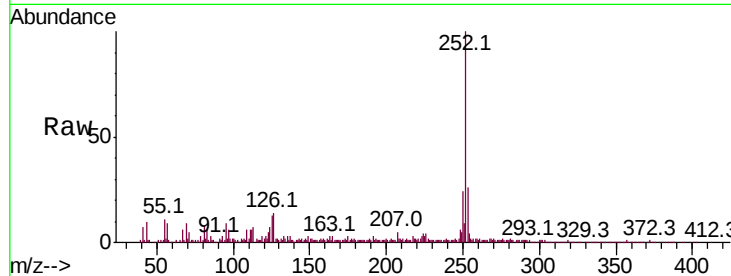
#89
Benzo(k)fluoranthene
Concen: 4.513 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Instrument :
BNA_F
ClientSampleId :
OR-03-011719-A

Tot Ion	Ratio	Resp	Lower	Upper
252	100	123920		
253	26.3	18.0	27.0	
125	12.6	9.1	13.7	

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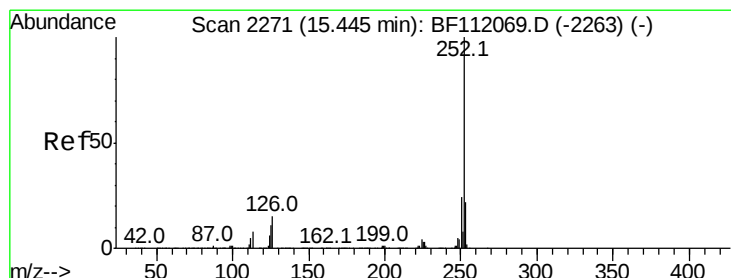
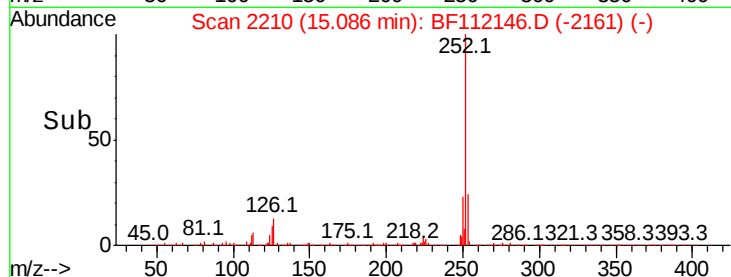
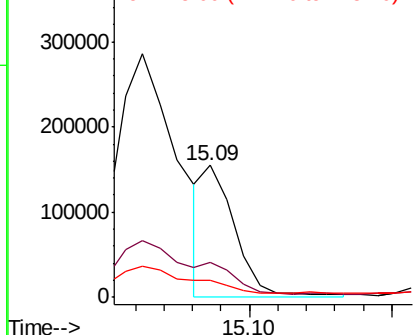


Abundance

Ion 252.00 (251.70 to 252.70): E

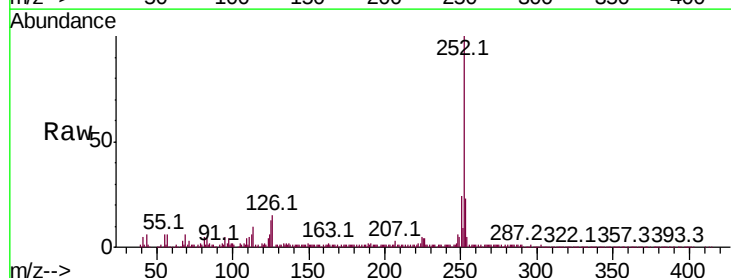
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 11.079 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF112146.D
Acq: 19 Jan 2019 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	288260		
253	22.8	17.5	26.3	
125	12.9	9.0	13.4	

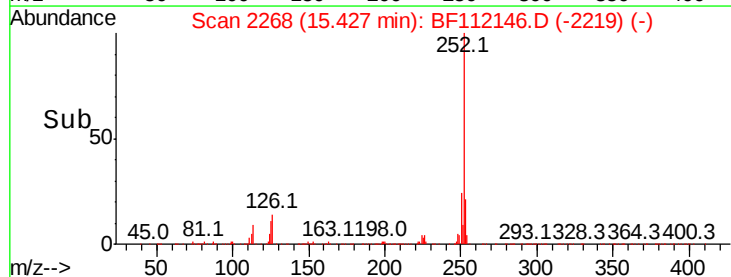
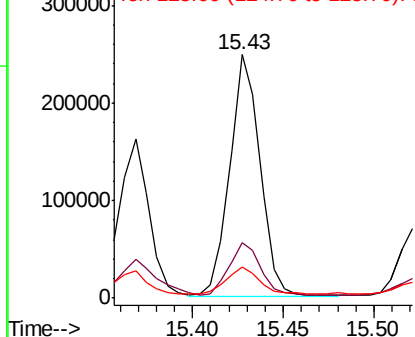


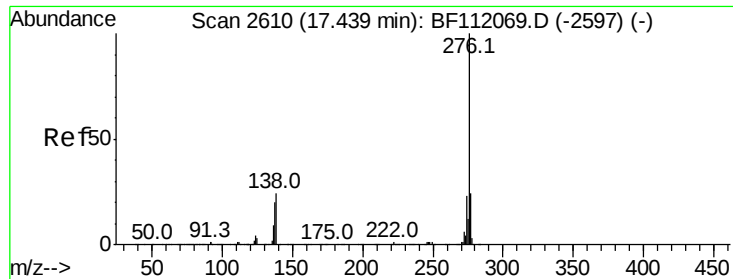
Abundance

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





#92
 Benzo(a,h,i)perylene
 Concen: 6.263 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.01 min
 Lab File: BF112146.D
 Acq: 19 Jan 2019 1:07

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-011719-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	23.8	19.1	28.7

Manual Integrations
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