

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021419\
 Data File : BF112565.D
 Acq On : 14 Feb 2019 14:04
 Operator : JU/SJ
 Sample : K1349-05 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-021319-A

Manual Integrations
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 2/15/2019 4:53:04 PM

Quant Time: Feb 15 06:23:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	85097	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	310487	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	136696	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	252054	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	255921	20.00	ng	0.00
87) Perylene-d12	15.49	264	206066	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	202526	50.55	ng	-0.02
7) Phenol-d6	6.47	99	247589	44.47	ng	-0.02
23) Nitrobenzene-d5	7.39	82	149043	27.66	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	64616	40.61	ng	-0.02
45) 2-Fluorobiphenyl	9.18	172	289346	29.94	ng	-0.02
79) Terphenyl-d14	12.94	244	299777	22.06	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	15820	2.590	ng	Qvalue 84
31) Naphthalene	8.13	128	43692	3.009	ng	98
37) 2-Methylnaphthalene	8.83	142	44850	4.512	ng	97
38) 1-Methylnaphthalene	8.92	142	32982	3.462	ng	# 94
52) Acenaphthene	9.90	154	45232	5.574	ng	98
55) Dibenzofuran	10.07	168	43566	3.513	ng	93
58) Fluorene	10.42	166	60956	6.569	ng	98
71) Phenanthrene	11.38	178	373189	28.479	ng	97
72) Anthracene	11.43	178	103114	7.900	ng	97
73) Carbazole	11.59	167	33265	2.584	ng	99
75) Fluoranthene	12.57	202	354731	25.239	ng	99
78) Pvrene	12.81	202	322218	18.185	ng	98
81) Benzo(a)anthracene	14.00	228	139348	9.262	ng	98
83) Chrysene	14.03	228	127215	8.859	ng	95
88) Benzo(b)fluoranthene	15.06	252	120612m	9.787	ng	
89) Benzo(k)fluoranthene	15.08	252	46653m	3.952	ng	
90) Benzo(a)pvrene	15.42	252	90564	8.167	ng	# 95
92) Benzo(g,h,i)perylene	17.44	276	40217	4.770	ng	95

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



#1

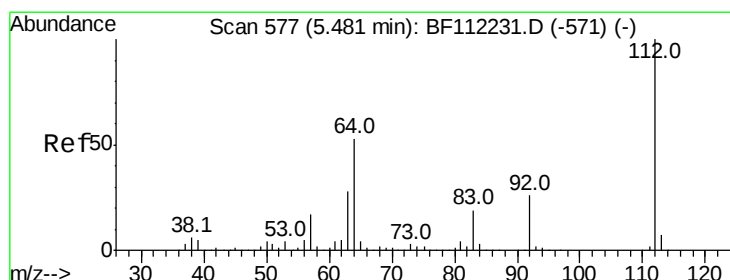
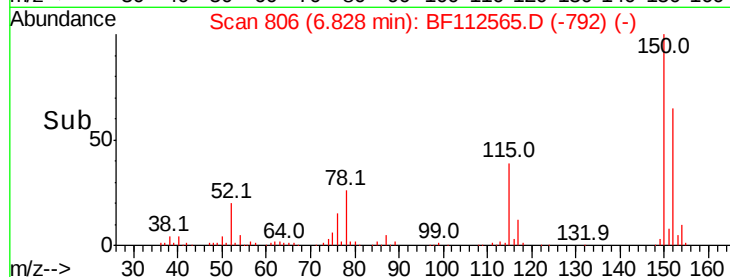
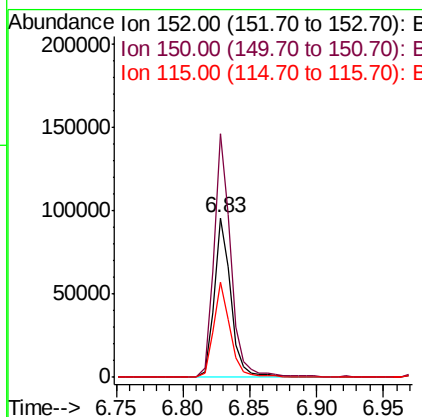
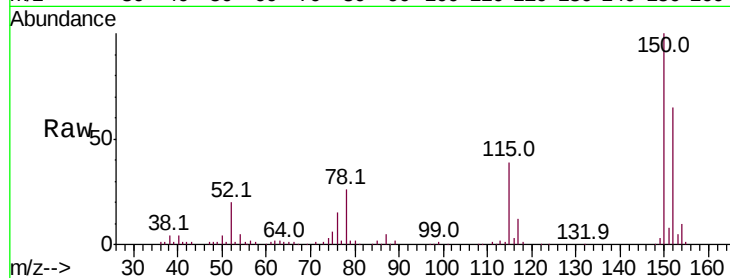
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	127.4	191.0
115	59.9	45.5	68.3

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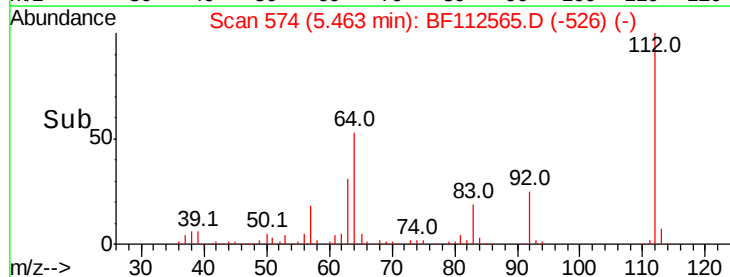
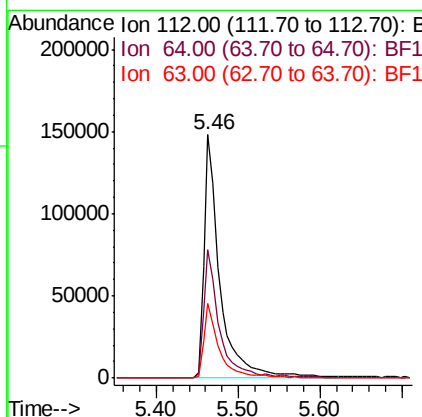
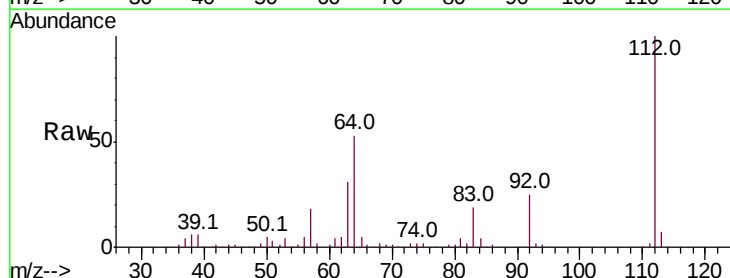
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#5

2-Fluorophenol
Concen: 50.552 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	45.7	68.5
63	30.7	23.6	35.4





#7

Phenol-d6

Concen: 44.474 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112565.D

Acq: 14 Feb 2019 14:04

Instrument :

BNA_F

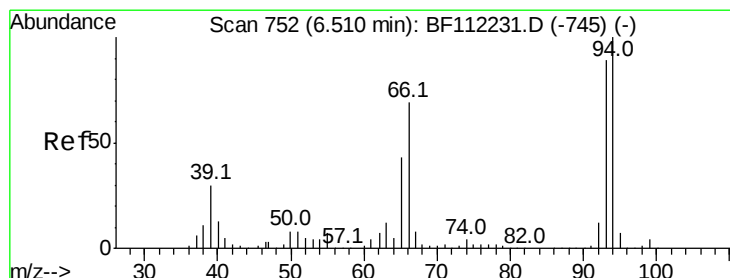
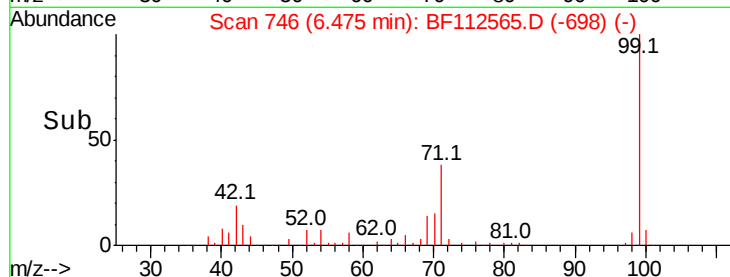
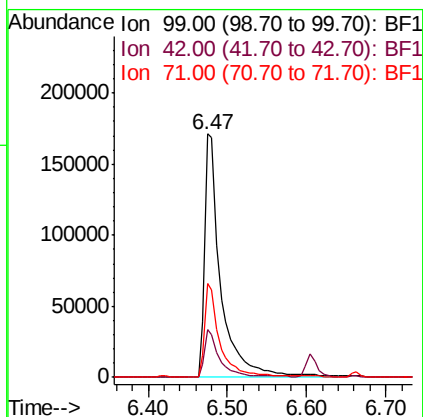
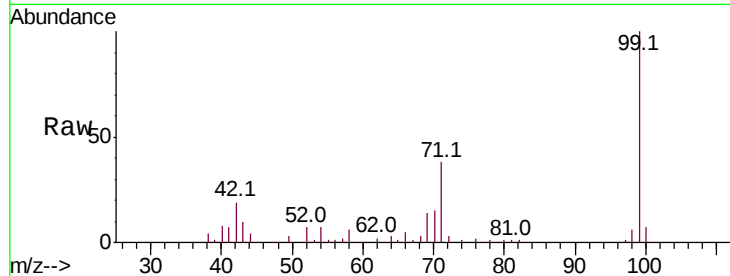
ClientSampleId :

OR-01-021319-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		247589		
42	19.5	15.1	22.7		
71	38.5	26.9	40.3		

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#10

Phenol

Concen: 2.590 ng

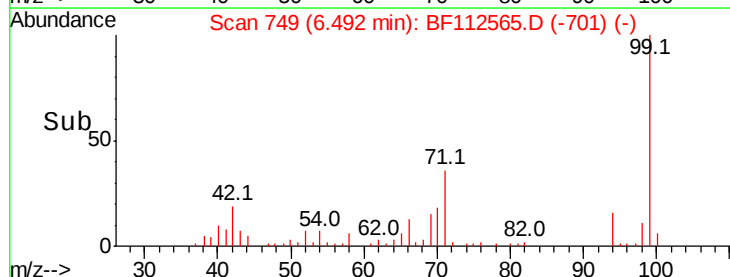
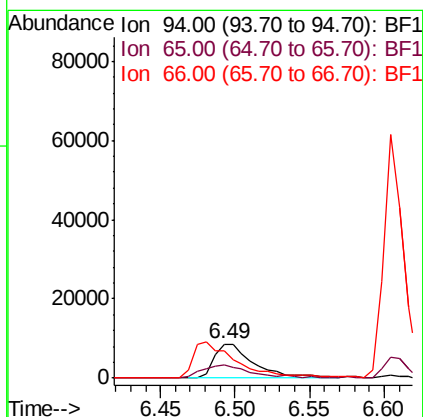
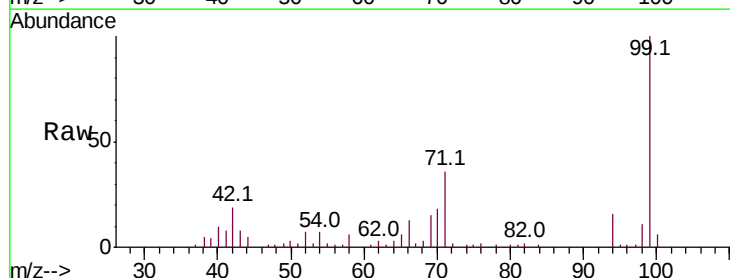
RT: 6.49 min Scan# 749

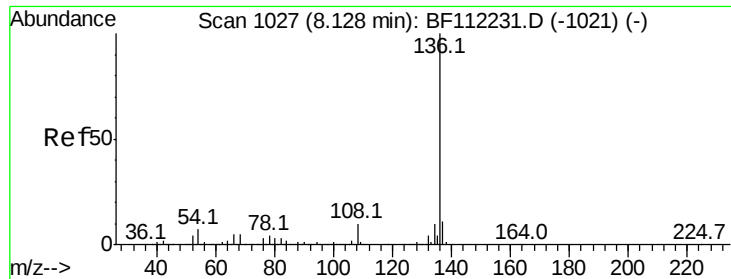
Delta R.T. -0.02 min

Lab File: BF112565.D

Acq: 14 Feb 2019 14:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		15820		
65	38.1	20.3	60.3		
66	81.1	42.4	82.4		





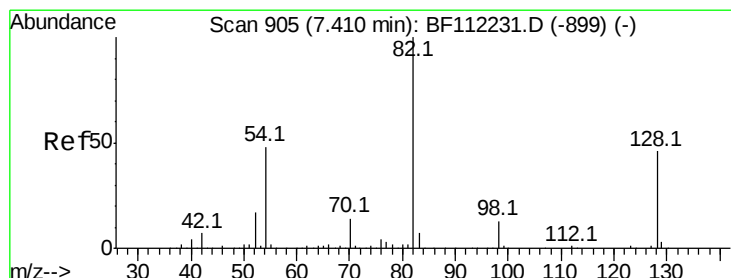
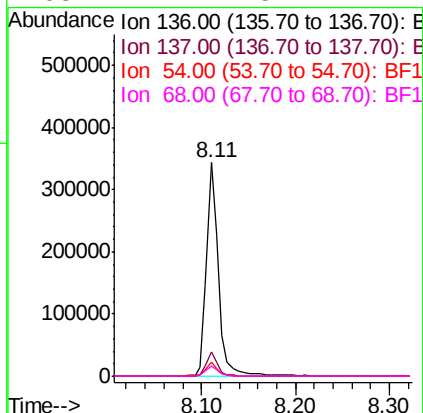
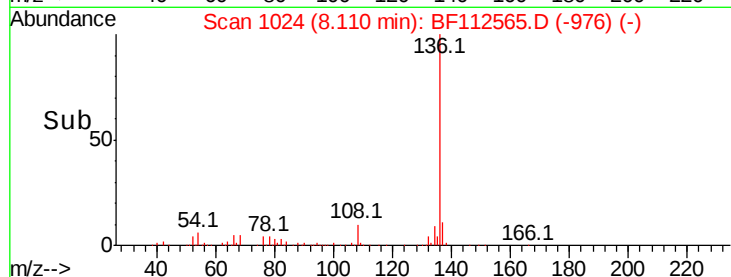
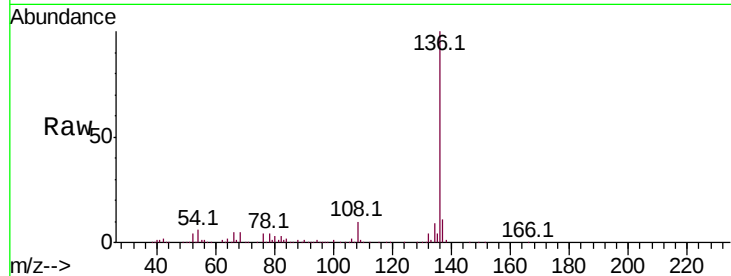
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-A

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	9.1	13.7	
54	6.4	5.9	8.9	
68	4.7	5.1	7.7	

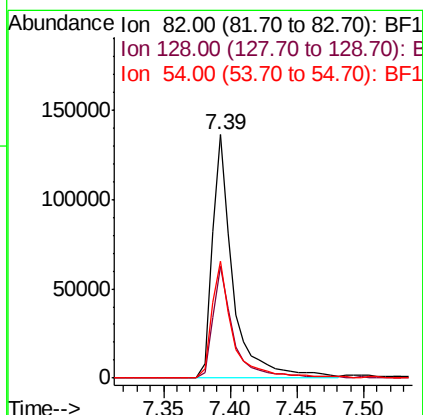
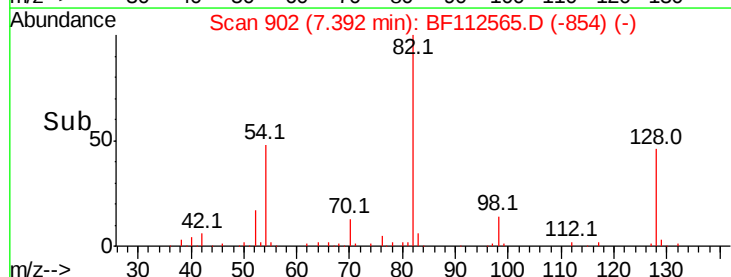
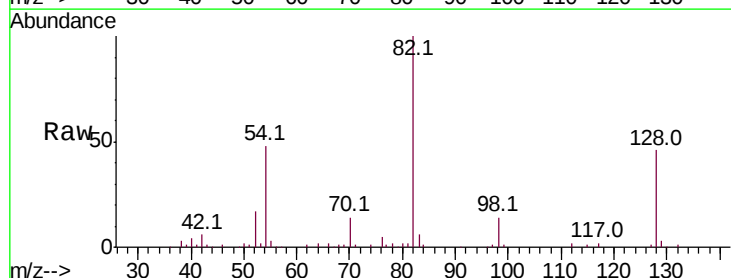
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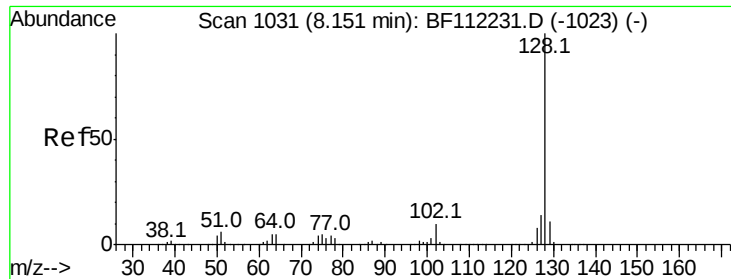
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#23
Nitrobenzene-d5
Concen: 27.659 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.8	37.8	56.8	
54	48.1	39.7	59.5	





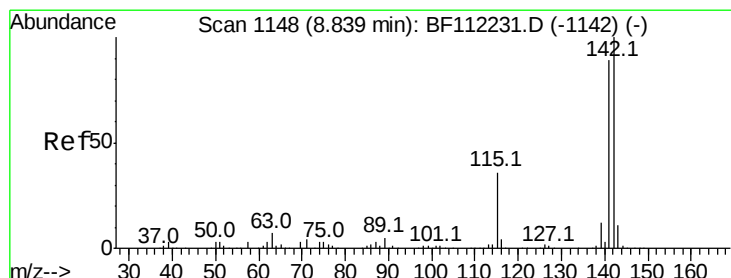
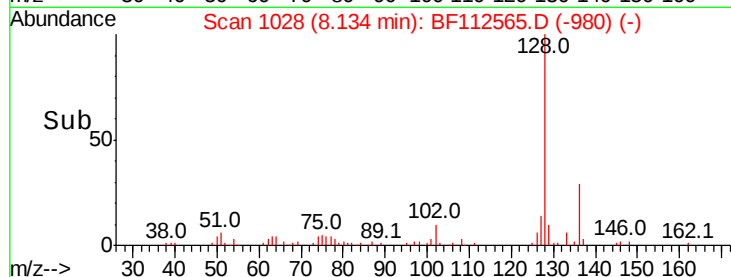
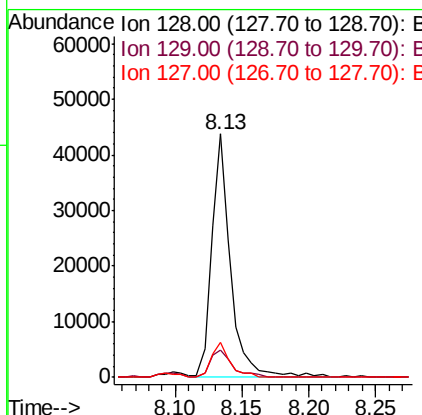
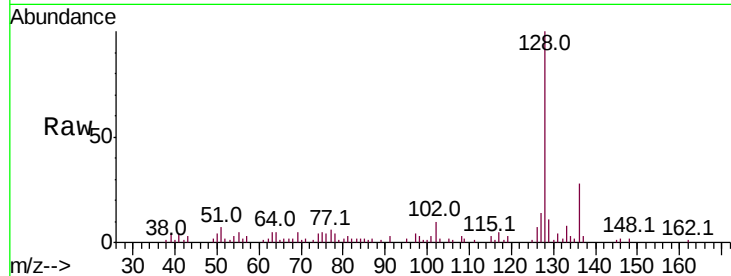
#31
Naphthalene
Concen: 3.009 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.02 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-A

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.6	14.4
127	14.4	11.1	16.7

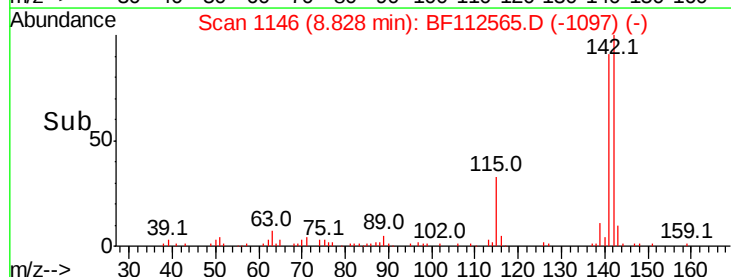
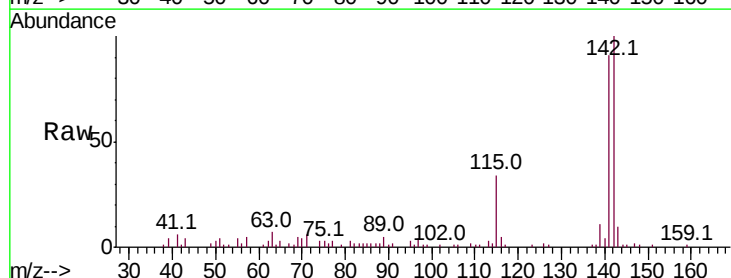
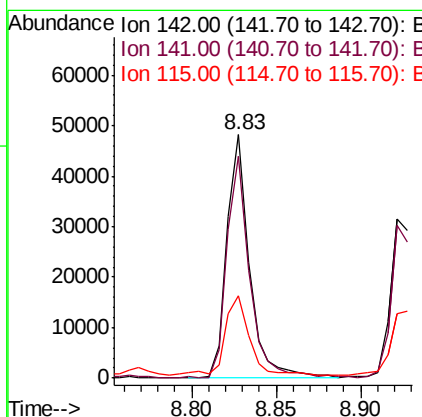
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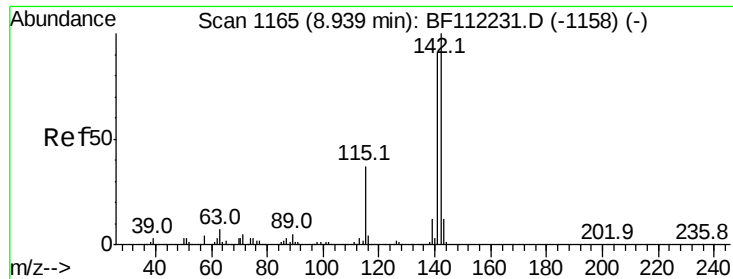
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#37
2-Methylnaphthalene
Concen: 4.512 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	70.9	106.3
115	33.7	24.9	37.3





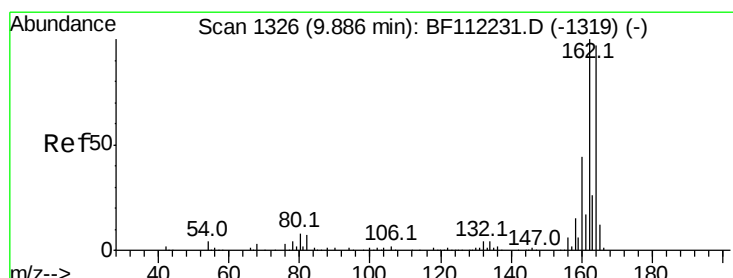
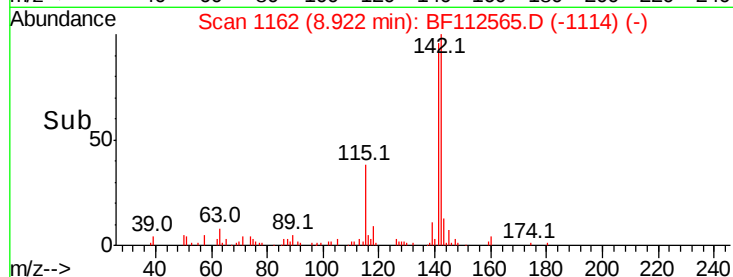
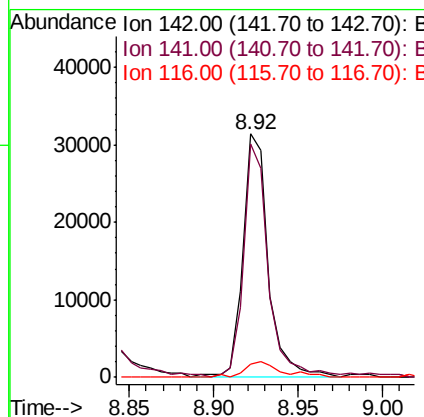
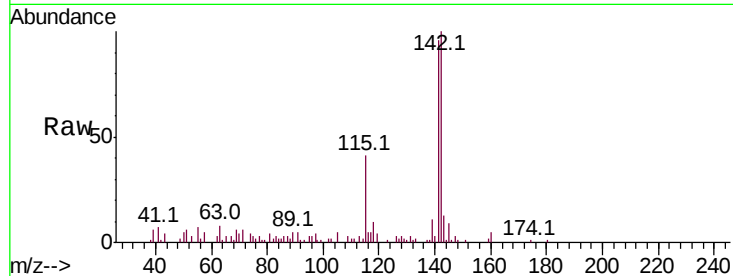
#38
1-Methylnaphthalene
Concen: 3.462 ng
RT: 8.92 min Scan# 1162
Delta R.T. -0.02 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-A

Tot Ion	Ratio	Lower	Upper
142	100		
141	96.0	72.6	108.8
116	5.2	2.8	4.2#

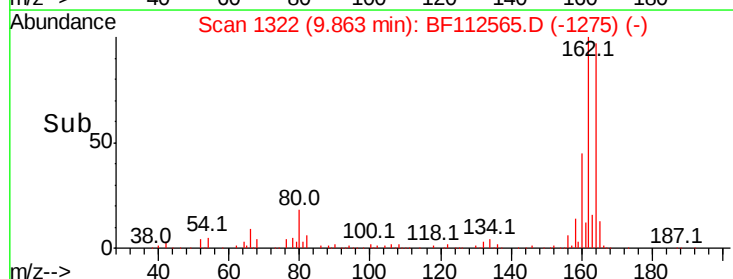
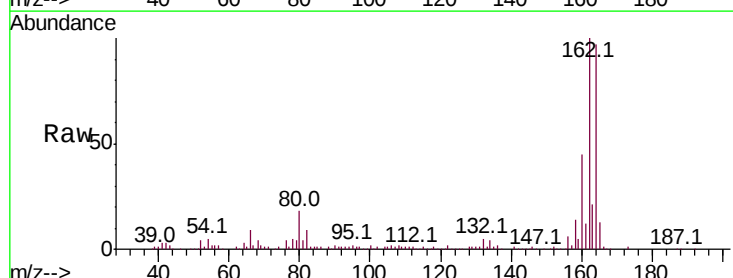
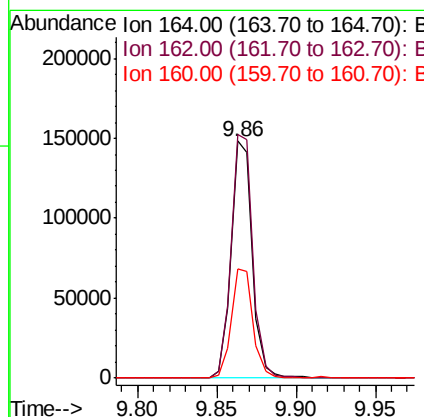
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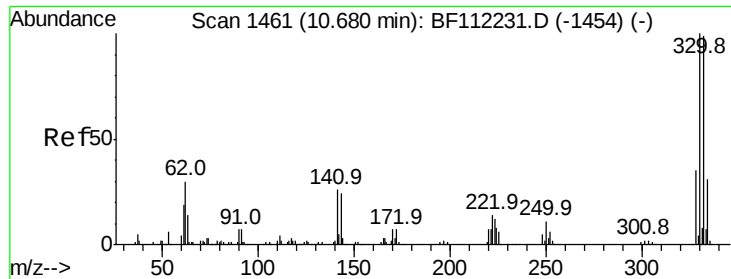
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.2	123.4
160	46.3	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 40.611 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112565.D

Acq: 14 Feb 2019 14:04

Instrument :

BNA_F

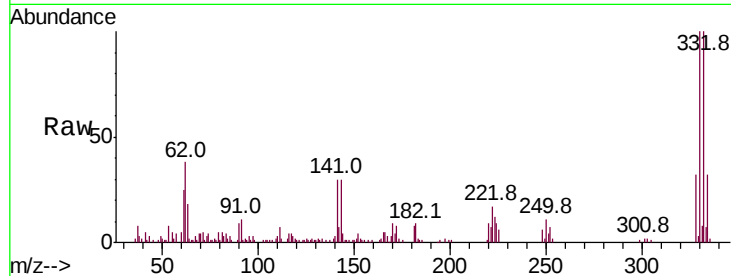
ClientSampleId :

OR-01-021319-A

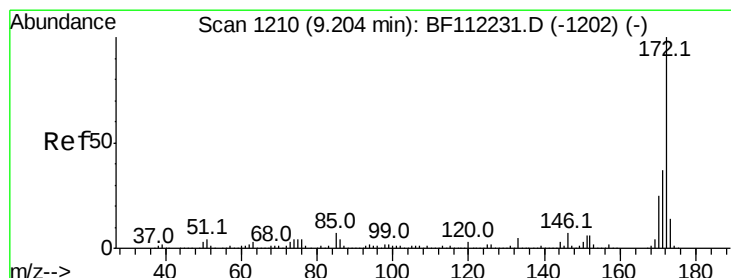
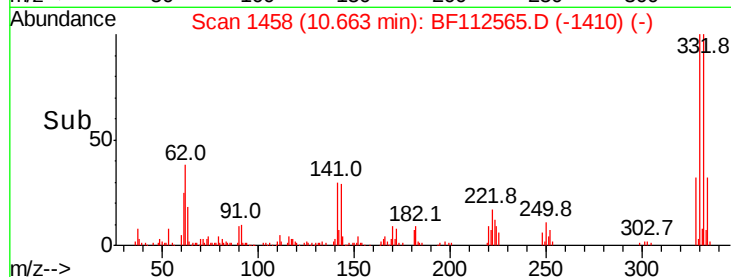
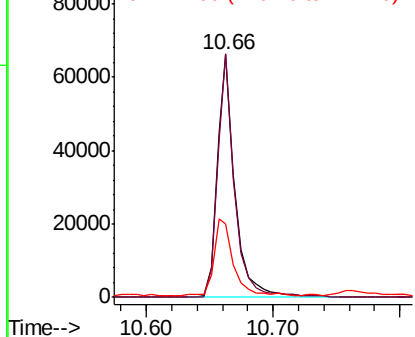
Tot Ion:	330	Resp:	64616
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.6	114.8
141	34.7	24.3	36.5

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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: 29.937 ng

RT: 9.18 min Scan# 1206

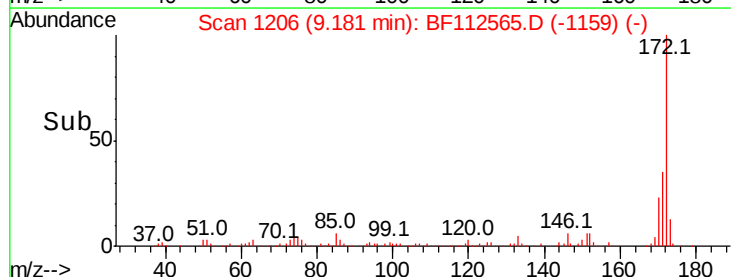
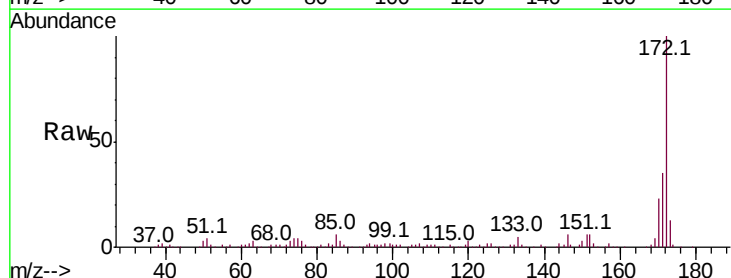
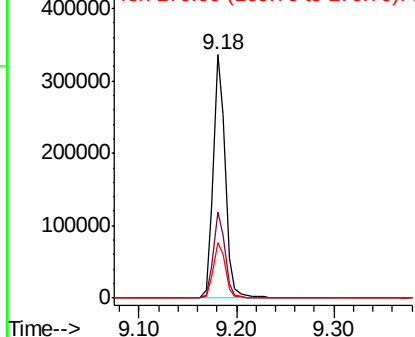
Delta R.T. -0.02 min

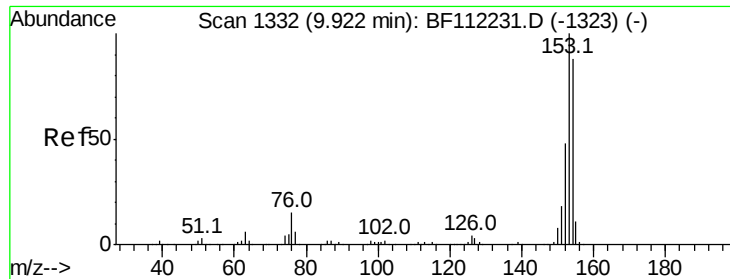
Lab File: BF112565.D

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Tgt Ion:	172	Resp:	289346
Ion Ratio	Lower	Upper	
172	100		
171	35.3	30.5	45.7
170	22.9	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





#52

Acenaphthene

Concen: 5.574 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.02 min

Lab File: BF112565.D

Acq: 14 Feb 2019 14:04

Instrument :

BNA_F

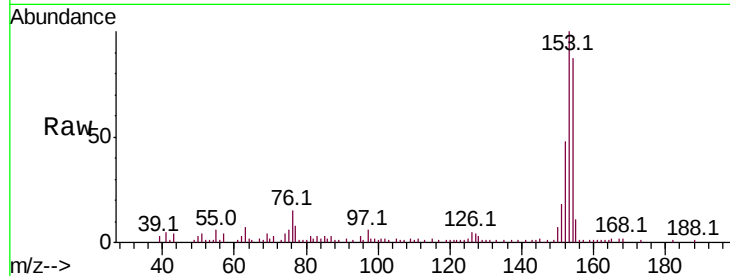
ClientSampleId :

OR-01-021319-A

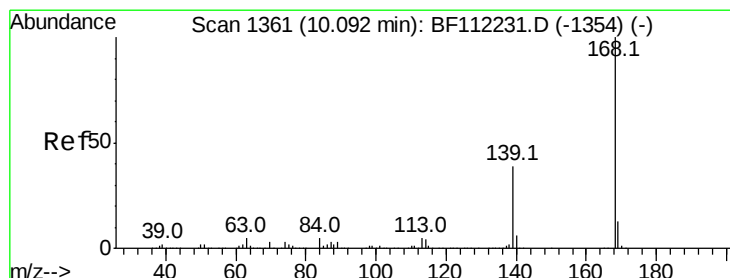
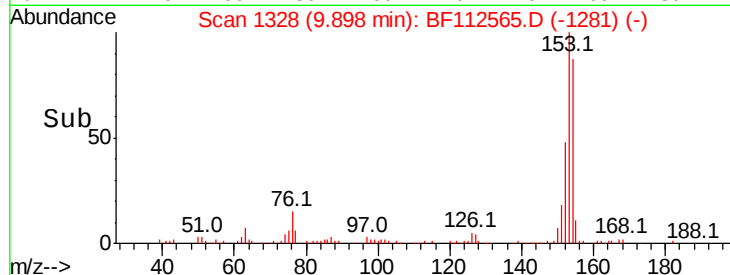
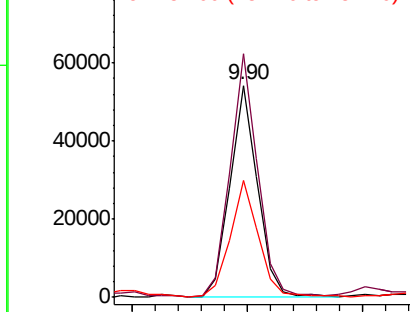
Tot Ion:	154	Resp:	45232
Ion Ratio	Lower	Upper	
154	100		
153	115.0	89.8	134.6
152	55.0	43.5	65.3

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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



#55

Dibenzofuran

Concen: 3.513 ng

RT: 10.07 min Scan# 1358

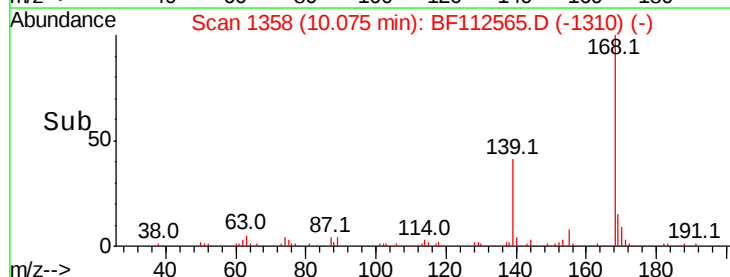
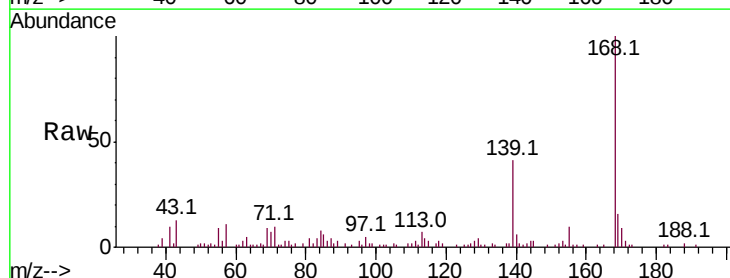
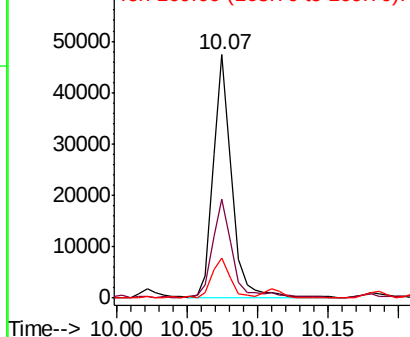
Delta R.T. -0.02 min

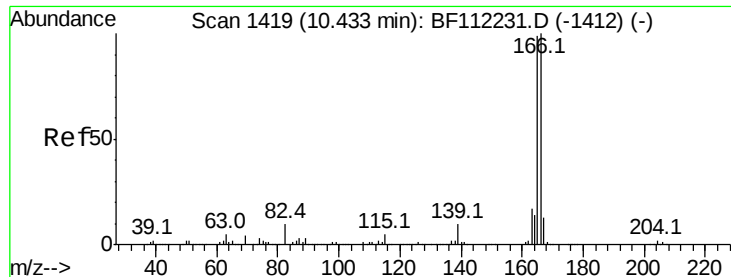
Lab File: BF112565.D

Acq: 14 Feb 2019 14:04

Tgt Ion:	168	Resp:	43566
Ion Ratio	Lower	Upper	
168	100		
139	40.7	29.2	43.8
169	16.5	11.4	17.0

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





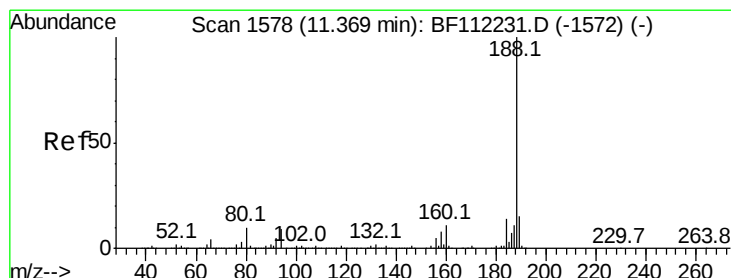
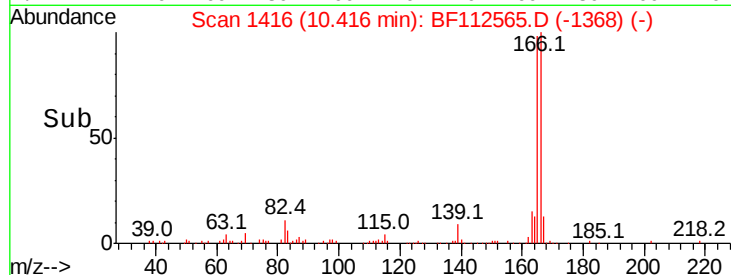
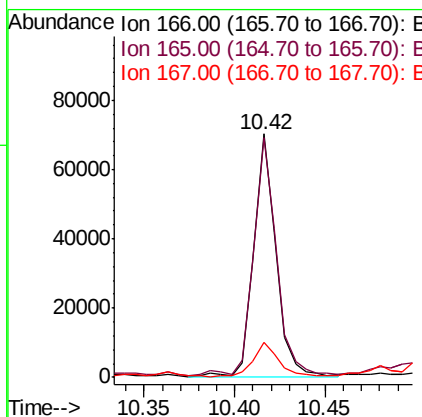
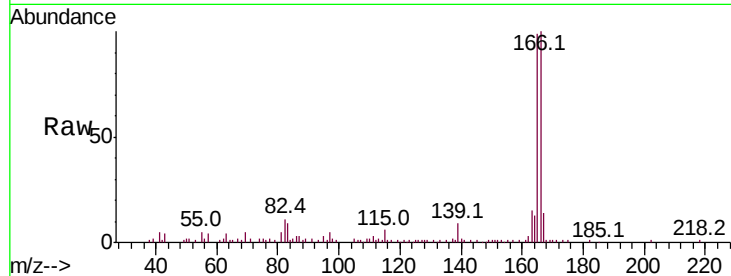
#58
Fluorene
Concen: 6.569 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-A

Tot Ion	Ratio	Resp	Lower	Upper
166	100	60956		
165	98.7		77.1	115.7
167	14.1		11.3	16.9

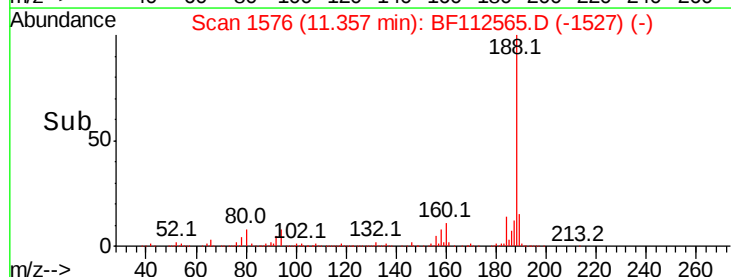
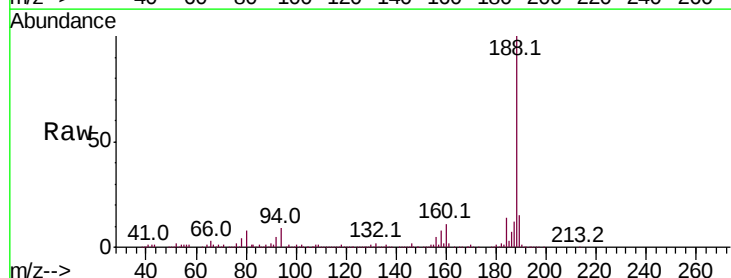
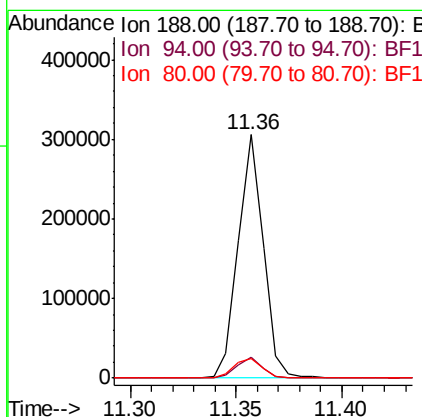
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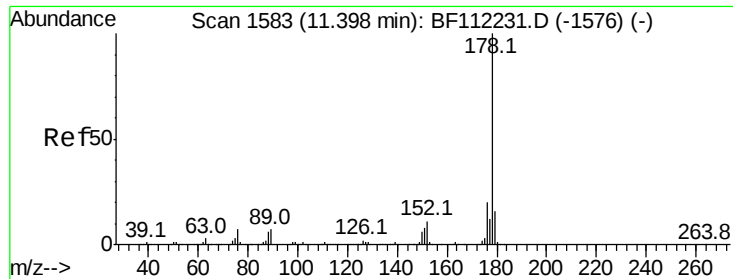
Sohil
2/15/2019 4:53:04 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	252054		
94	8.6		8.2	12.2
80	8.1		8.9	13.3#





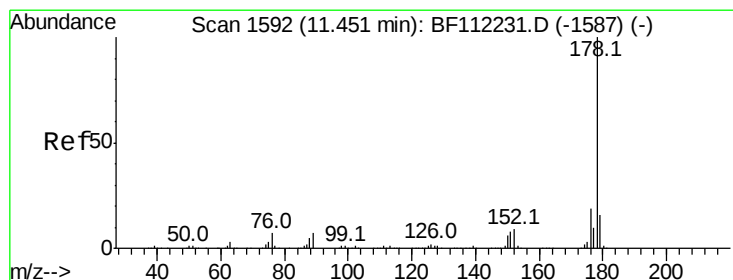
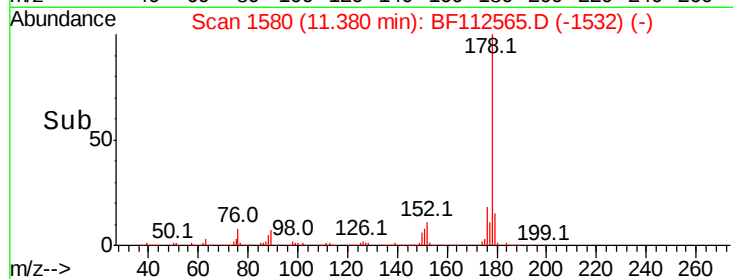
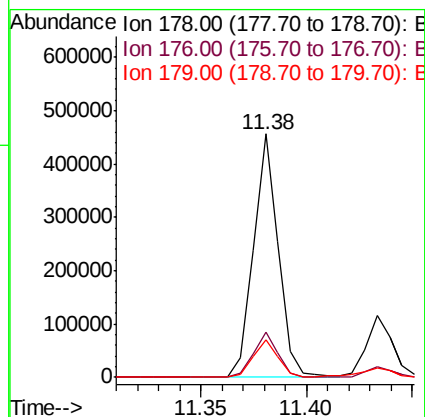
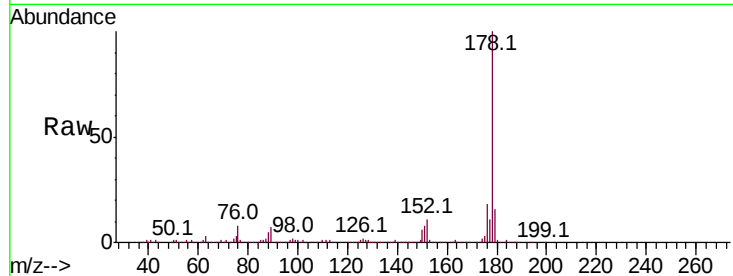
#71
Phenanthrene
Concen: 28.479 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.3	24.5
179	15.6	13.0	19.4

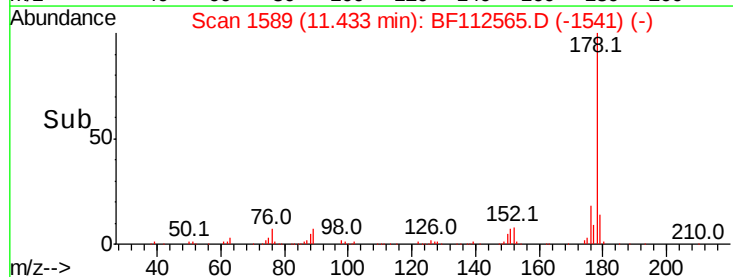
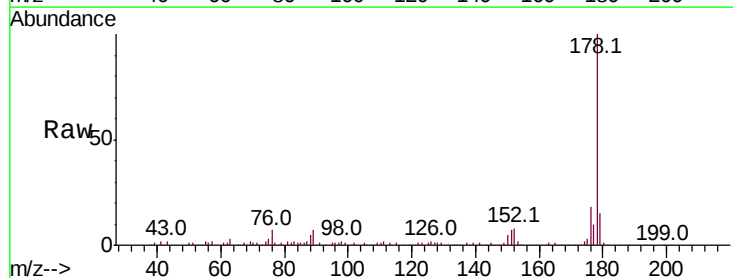
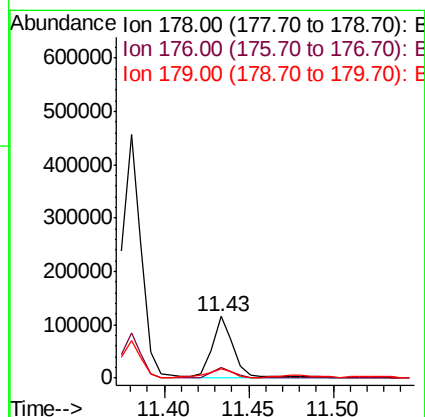
Manual Integrations
APPROVED

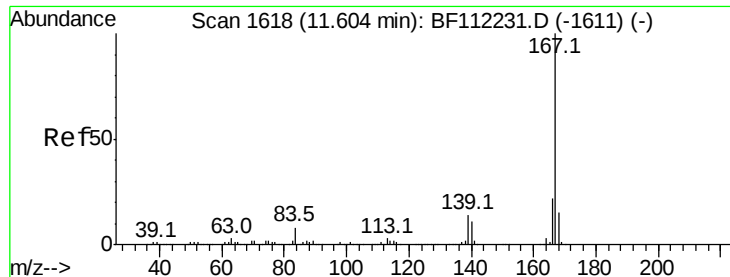
Sohil
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#72
Anthracene
Concen: 7.900 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.5	23.3
179	14.8	12.8	19.2





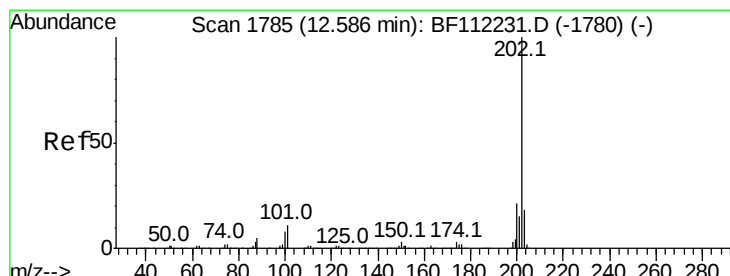
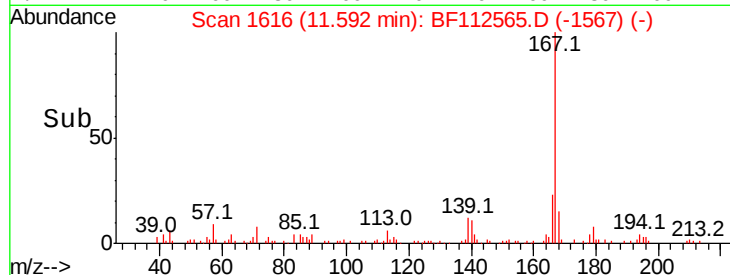
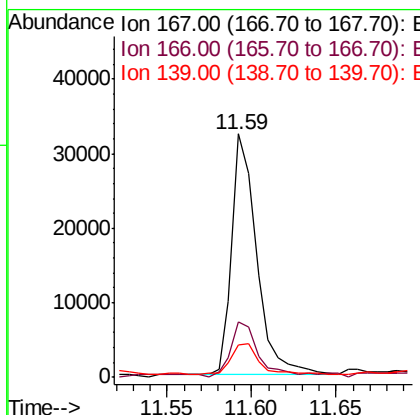
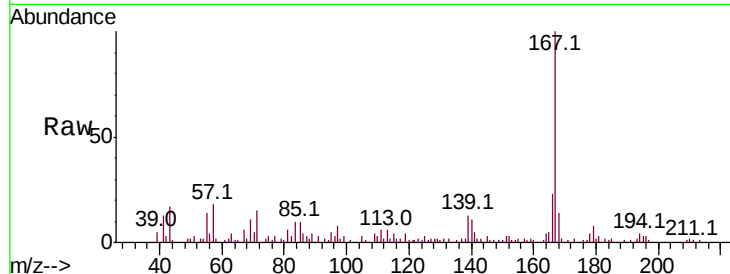
#73
 Carbazole
 Concen: 2.584 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF112565.D
 Acq: 14 Feb 2019 14:04

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-021319-A

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.9	26.9
139	13.3	10.2	15.2

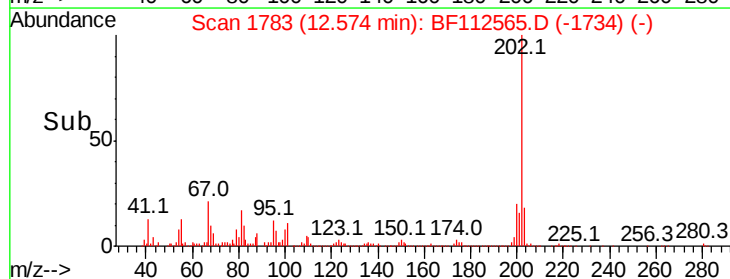
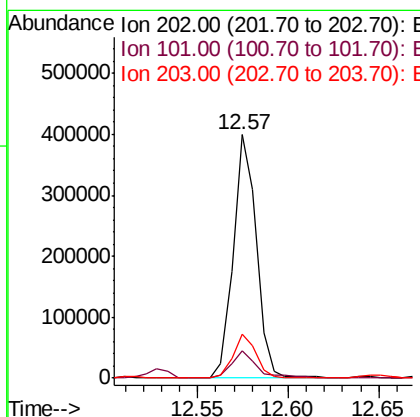
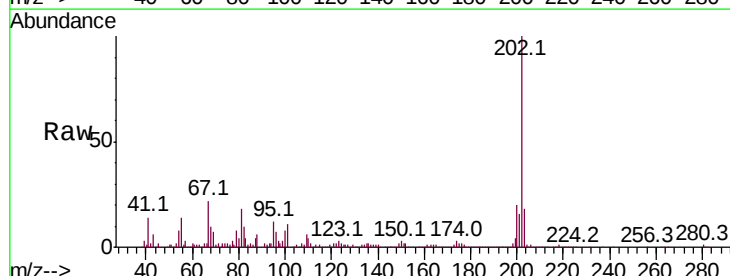
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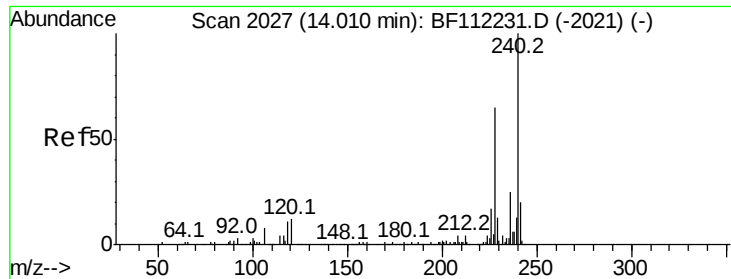
Sohil
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#75
 Fluoranthene
 Concen: 25.239 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF112565.D
 Acq: 14 Feb 2019 14:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.8
203	18.0	0.0	38.4





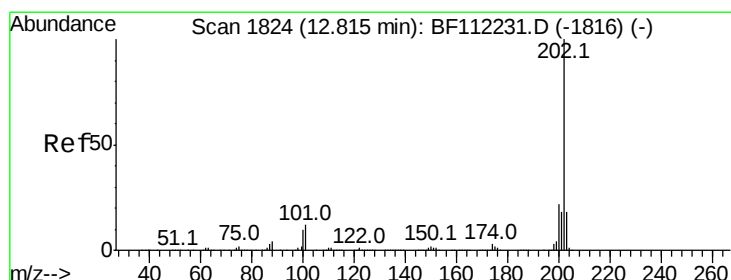
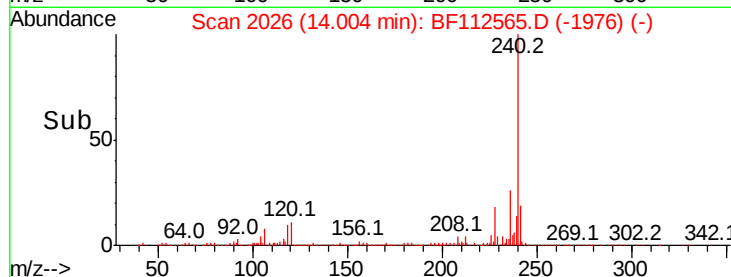
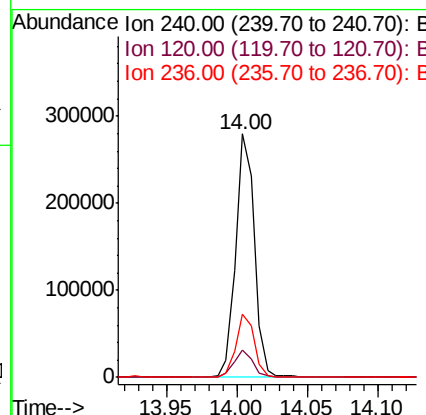
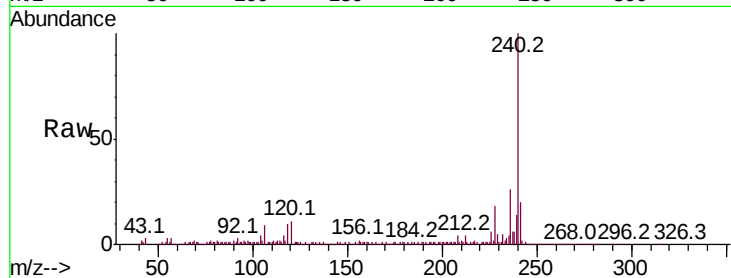
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-A

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.3	9.0	13.6	
236	25.8	20.7	31.1	

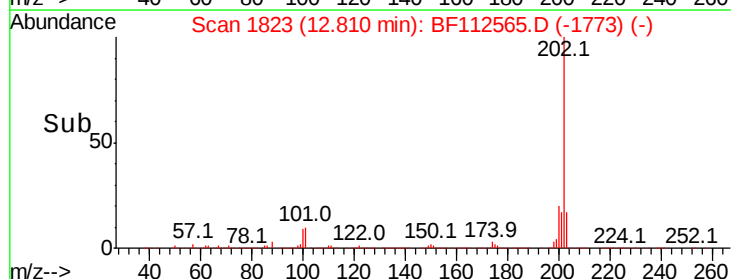
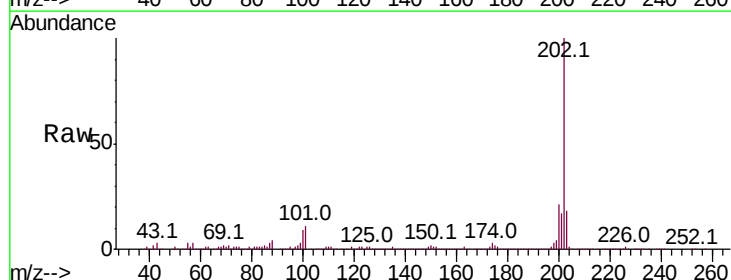
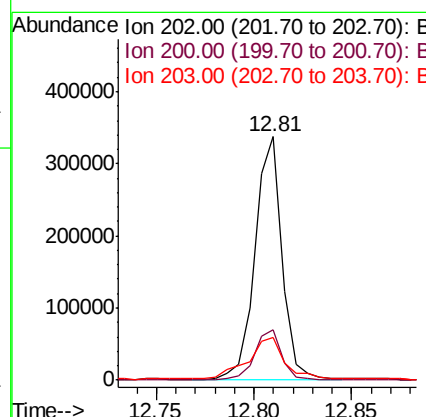
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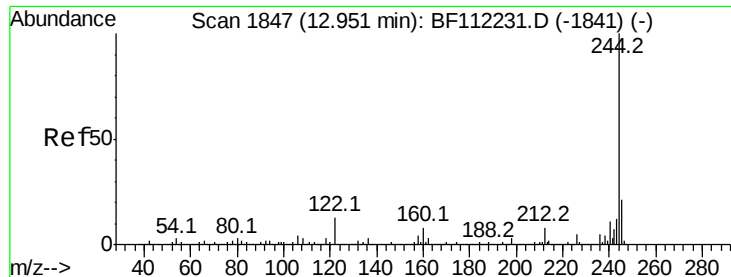
Sohil
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#78
Pyrene
Concen: 18.185 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.6	17.7	26.5	
203	17.6	14.6	22.0	





#79

Terphenyl-d14

Concen: 22.062 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112565.D

Acq: 14 Feb 2019 14:04

Instrument :

BNA_F

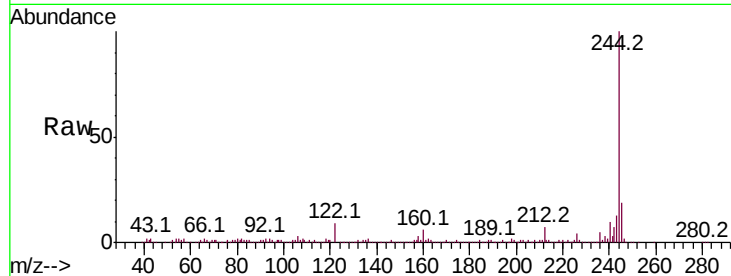
ClientSampleId :

OR-01-021319-A

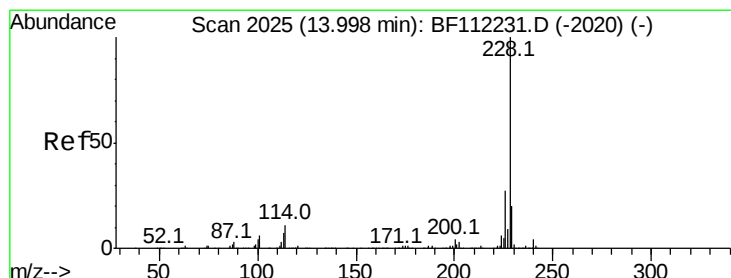
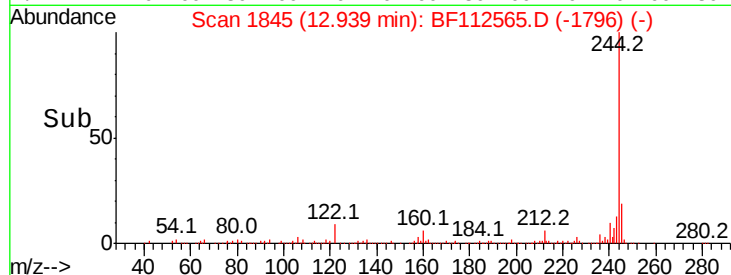
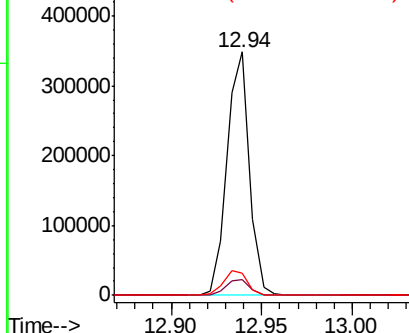
Tot Ion:	244	Resp:	299777
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.9	8.9
122	9.3	9.8	14.6

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 9.262 ng

RT: 14.00 min Scan# 2025

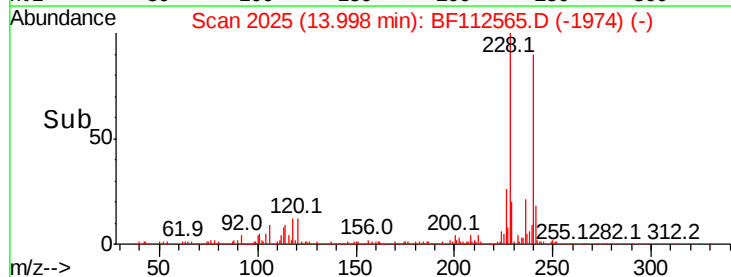
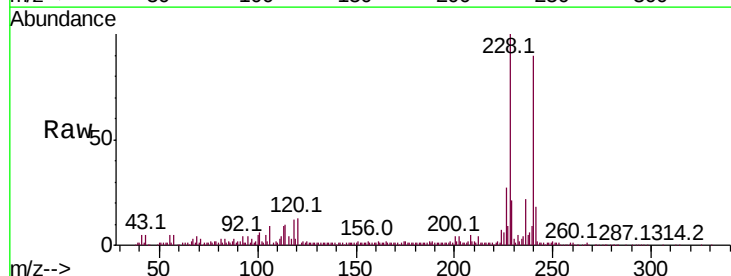
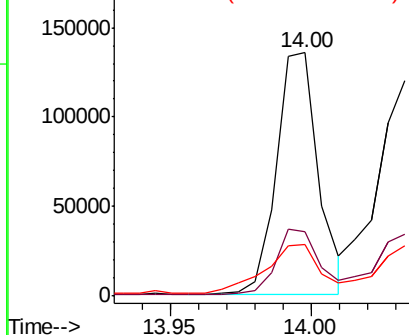
Delta R.T. 0.00 min

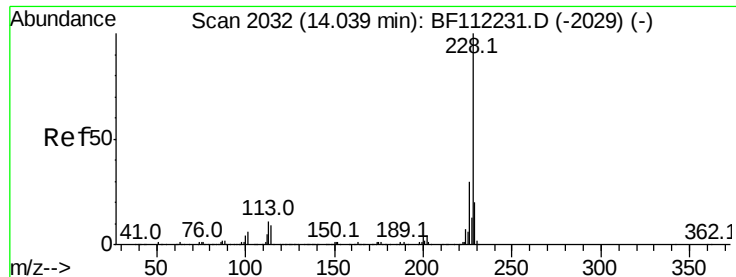
Lab File: BF112565.D

Acq: 14 Feb 2019 14:04

Tgt Ion:	228	Resp:	139348
Ion Ratio	Lower	Upper	
228	100		
226	26.6	22.6	34.0
229	21.1	16.5	24.7

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.859 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF112565.D

Acq: 14 Feb 2019 14:04

Instrument :

BNA_F

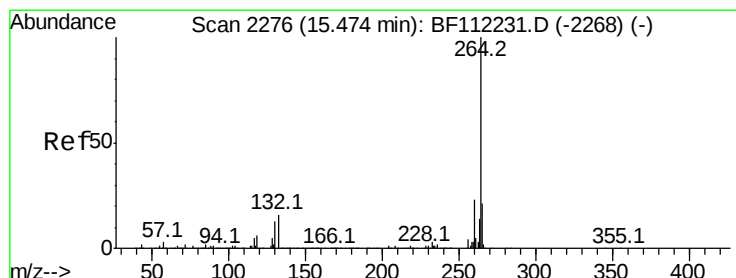
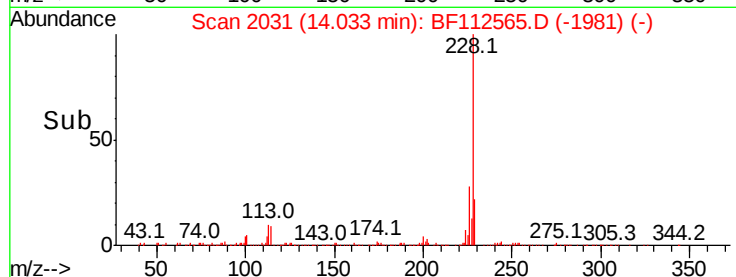
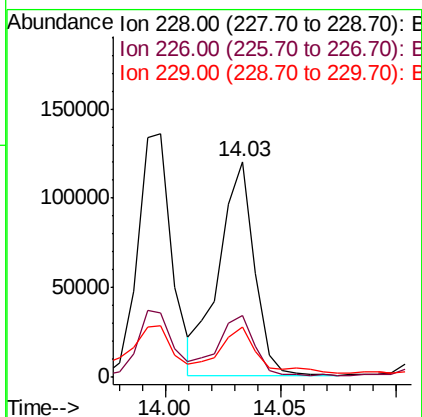
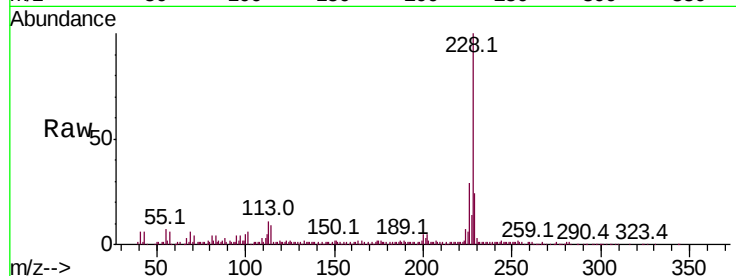
ClientSampleId :

OR-01-021319-A

Tot Ion:	228	Resp:	127215
Ion Ratio	Lower	Upper	
228	100		
226	28.6	25.0	37.6
229	23.5	16.6	24.8

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#87

Perylene-d12

Concen: 20.000 ng

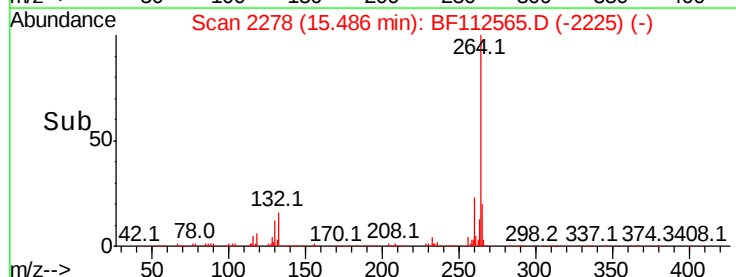
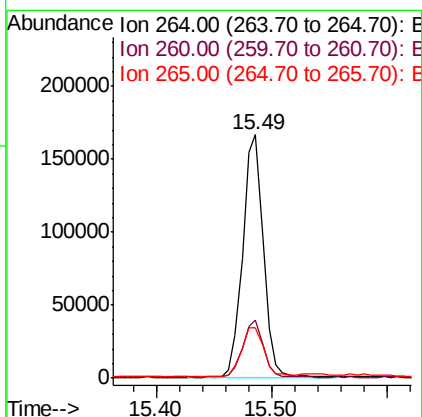
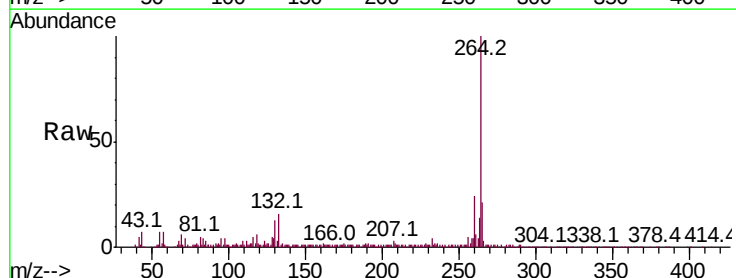
RT: 15.49 min Scan# 2278

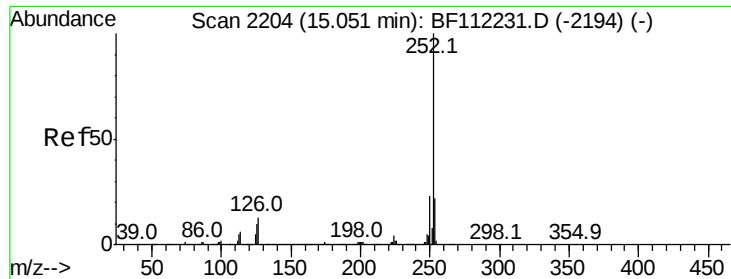
Delta R.T. 0.01 min

Lab File: BF112565.D

Acq: 14 Feb 2019 14:04

Tgt Ion:	264	Resp:	206066
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.2	27.2
265	20.7	17.0	25.4





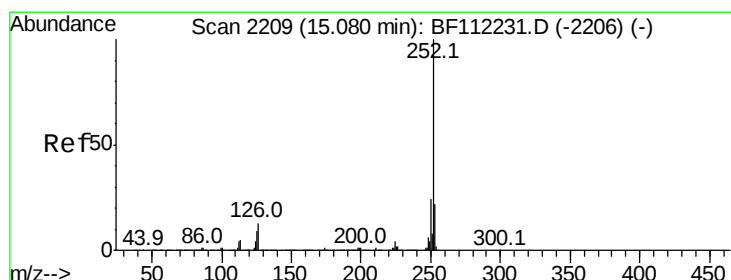
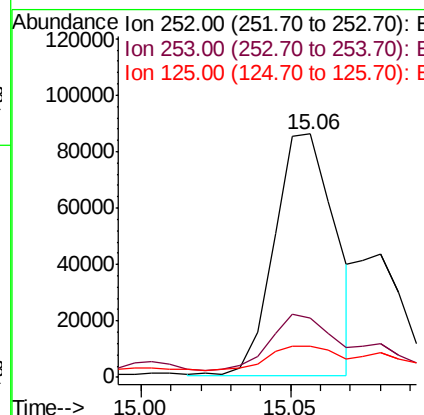
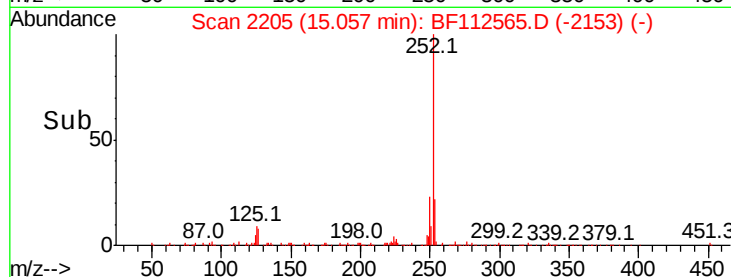
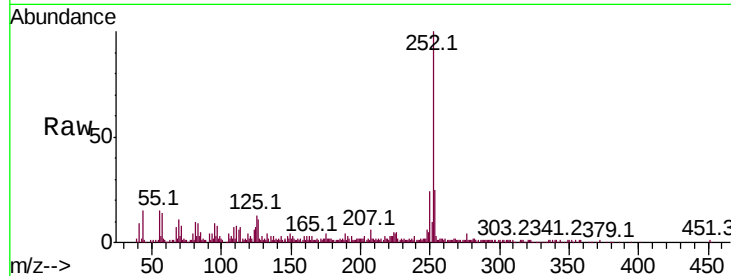
#88
Benzo(b)fluoranthene
Concen: 9.787 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Instrument :
BNA_F
ClientSampleId :
OR-01-021319-A

Tot Ion	Ratio	Resp	Lower	Upper
252	100	120612		
253	24.5	18.0	27.0	
125	12.9	8.7	13.1	

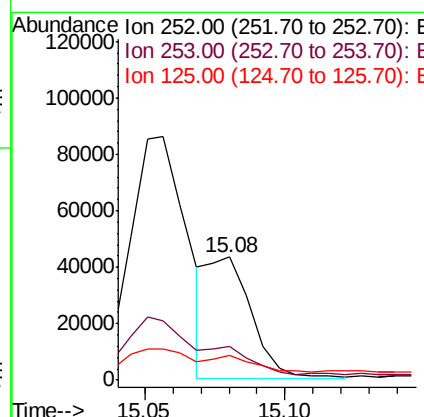
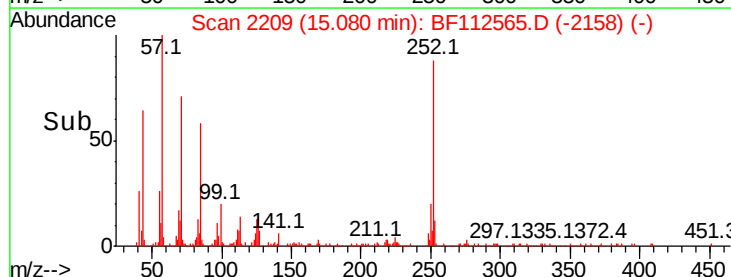
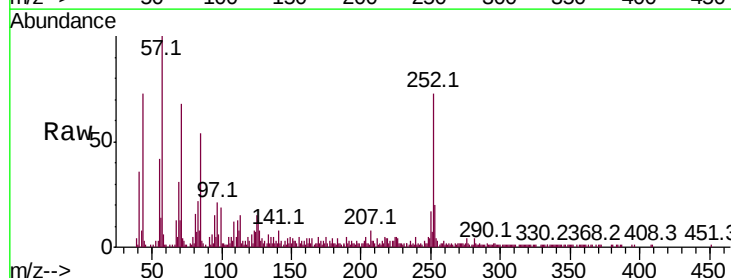
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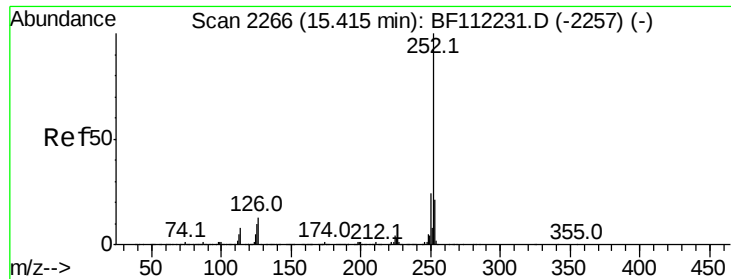
Sohil
2/15/2019 4:53:04 PM



#89
Benzo(k)fluoranthene
Concen: 3.952 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	46653		
253	27.4	18.0	27.0#	
125	20.3	9.1	13.7#	





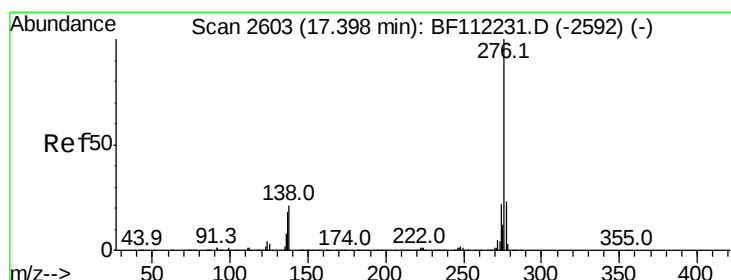
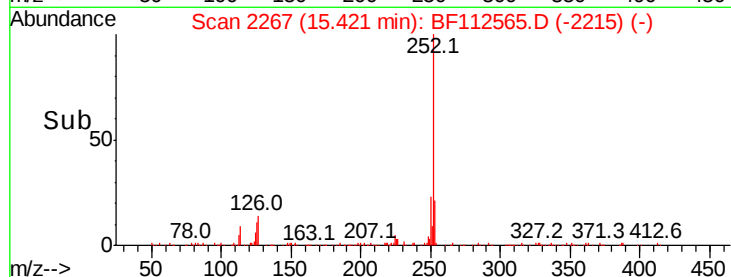
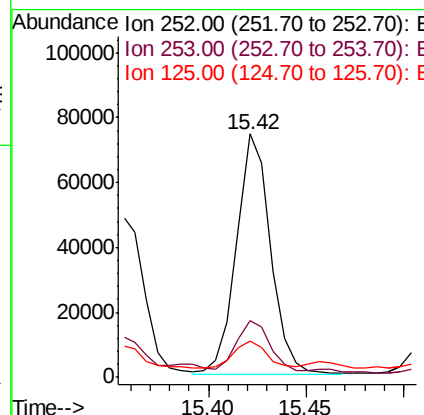
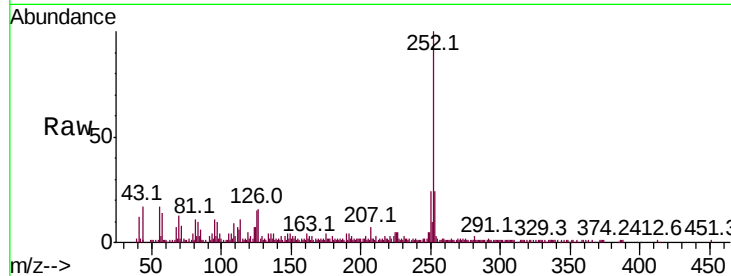
#90
Benzo(a)pyrene
Concen: 8.167 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Instrument :
BNA_F
ClientSampled :
OR-01-021319-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	14.8	9.0	13.4

Manual Integrations
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2/15/2019 4:53:04 PM



#92
Benzo(g,h,i)perylene
Concen: 4.770 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.04 min
Lab File: BF112565.D
Acq: 14 Feb 2019 14:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.4	29.0
138	25.3	19.1	28.7

