

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\
 Data File : BF112257.D
 Acq On : 26 Jan 2019 2:53
 Operator : JU/SJ
 Sample : K1016-03DL 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-RO-1-012319DL

Manual Integrations
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mohammad
 1/29/2019 12:31:56 AM

Quant Time: Jan 28 01:01:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 25 16:47:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	261332	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	1101147	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	509776	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	834784	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	534522	20.00	ng	-0.01
87) Perylene-d12	15.47	264	638186	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	727334	59.12	ng	-0.01
7) Phenol-d6	6.48	99	934312	54.65	ng	-0.03
23) Nitrobenzene-d5	7.40	82	589983	30.87	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	247494	41.71	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1156763	32.09	ng	-0.02
79) Terphenyl-d14	12.95	244	830710	29.27	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.59	163	79851	2.016	ng	99
52) Acenaphthene	9.91	154	84123	2.780	ng	98
55) Dibenzofuran	10.08	168	166466	3.600	ng	98
58) Fluorene	10.42	166	260189	7.519	ng	99
71) Phenanthrene	11.39	178	1934977	44.585	ng	99
72) Anthracene	11.44	178	610658	14.125	ng	98
75) Fluoranthene	12.59	202	2088464	44.867	ng	99
78) Pyrene	12.82	202	1669670	45.117	ng	99
81) Benzo(a)anthracene	13.99	228	783167	24.924	ng	99
83) Chrysene	14.03	228	607095	20.241	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	374024	15.737	ng	# 93
88) Benzo(b)fluoranthene	15.04	252	867601m	22.732	ng	
89) Benzo(k)fluoranthene	15.06	252	306559m	8.386	ng	
90) Benzo(a)pyrene	15.40	252	630796	18.368	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	100759m	3.640	ng	
92) Benzo(g,h,i)perylene	17.38	276	320121	12.259	ng	97

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

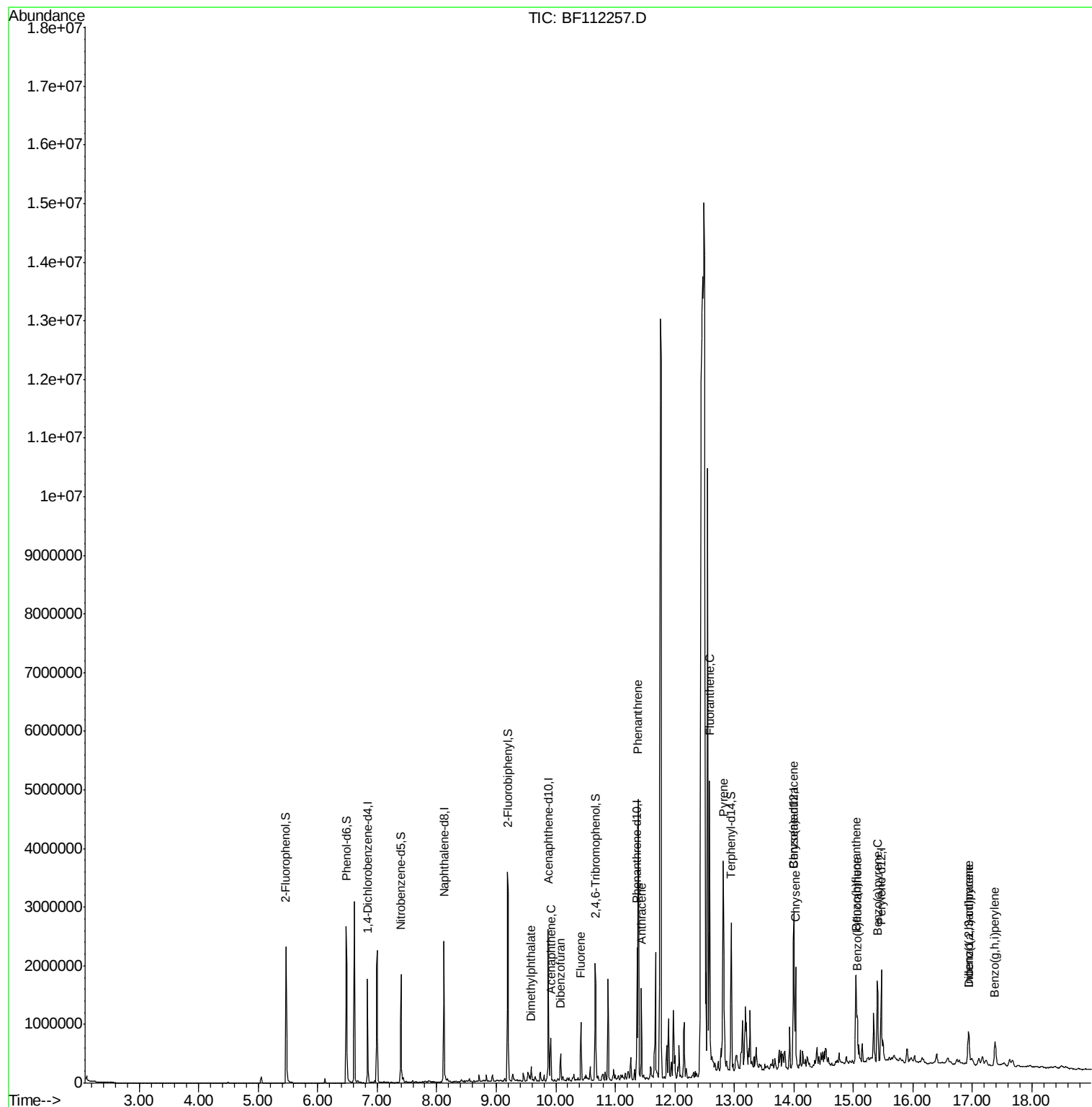
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#1

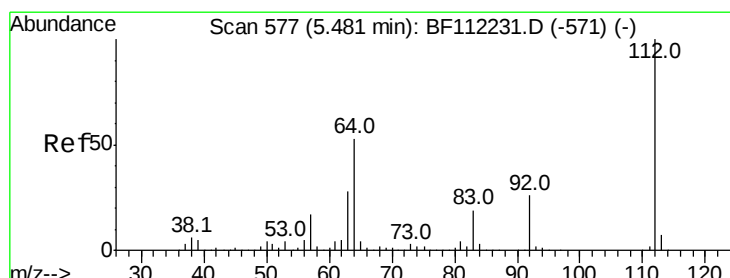
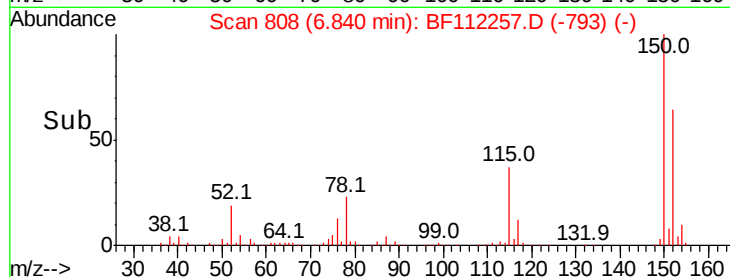
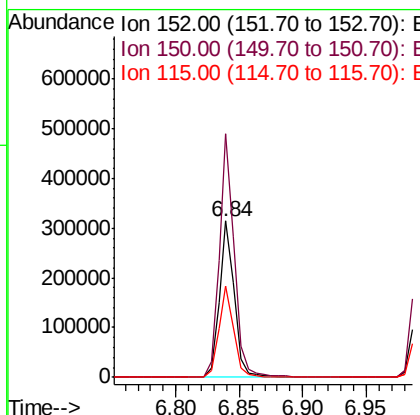
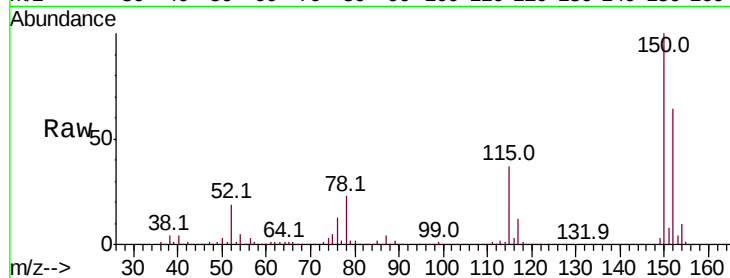
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112257.D
Acq: 26 Jan 2019 2:53

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	127.4	191.0
115	58.2	45.5	68.3

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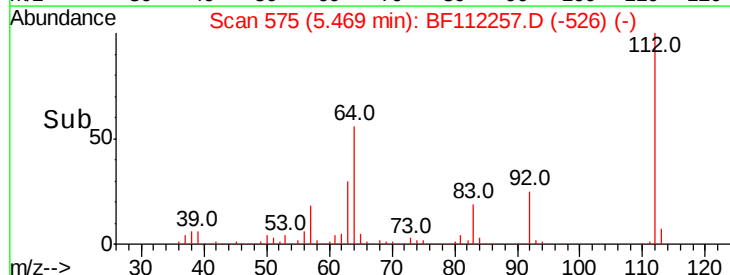
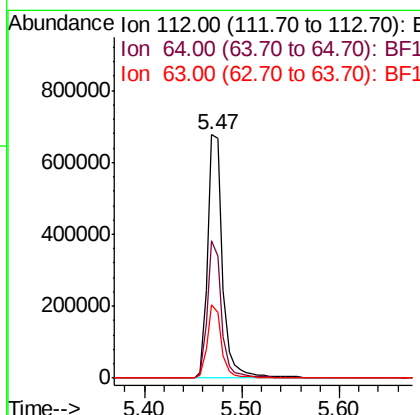
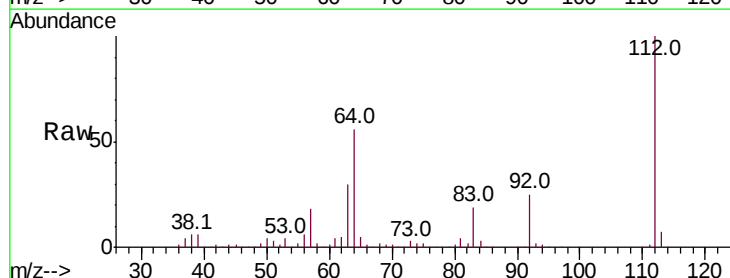
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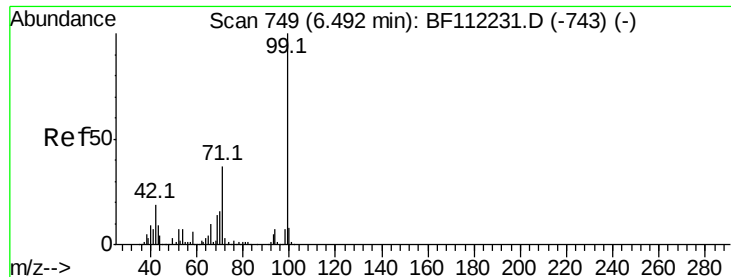


#5

2-Fluorophenol
Concen: 59.117 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112257.D
Acq: 26 Jan 2019 2:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.7	68.5
63	29.9	23.6	35.4





#7

Phenol-d6

Concen: 54.650 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF112257.D

Acq: 26 Jan 2019 2:53

Instrument :

BNA_F

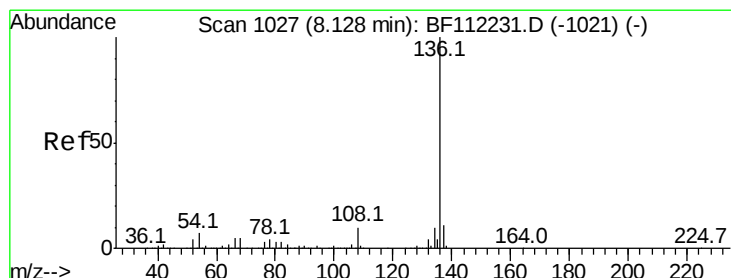
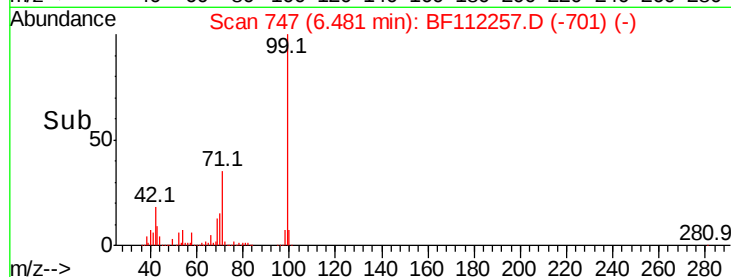
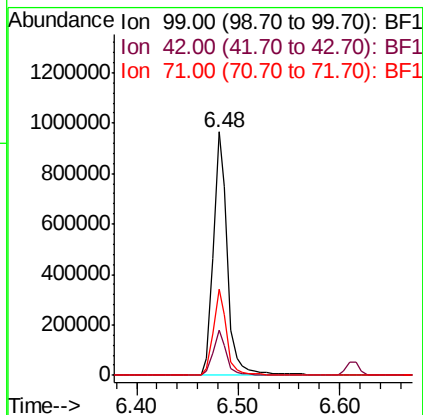
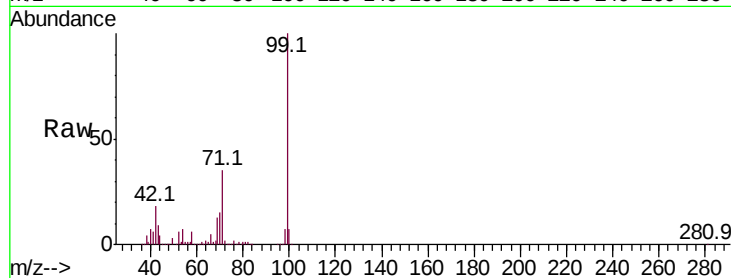
ClientSampleId :

TR-05-RO-1-012319DL

Tot Ion:	99	Resp:	934312
Ion Ratio	Lower	Upper	
99	100		
42	18.4	15.1	22.7
71	35.1	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

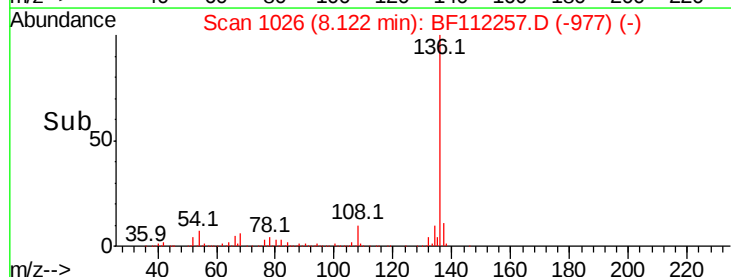
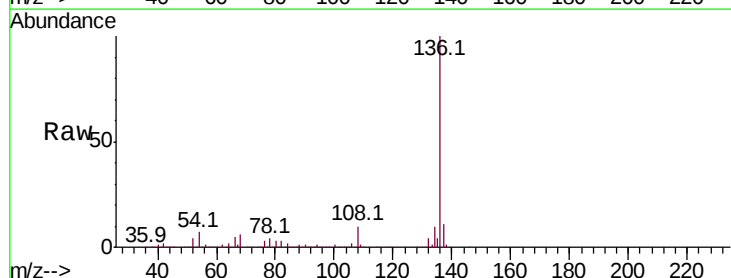
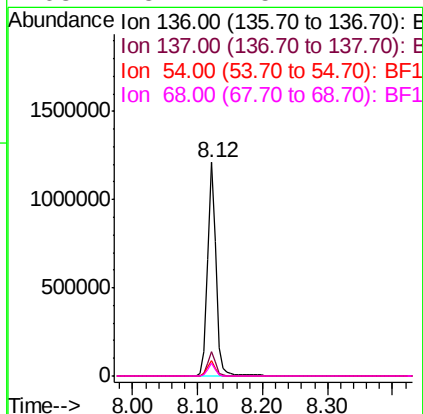
RT: 8.12 min Scan# 1026

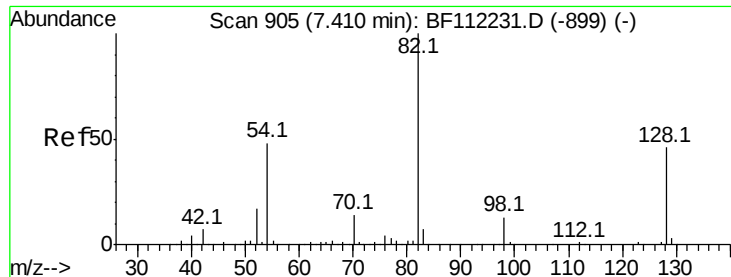
Delta R.T. -0.01 min

Lab File: BF112257.D

Acq: 26 Jan 2019 2:53

Tgt Ion:	136	Resp:	1101147
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	7.1	5.9	8.9
68	5.7	5.1	7.7





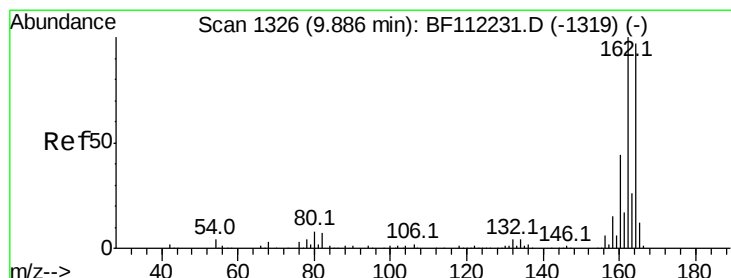
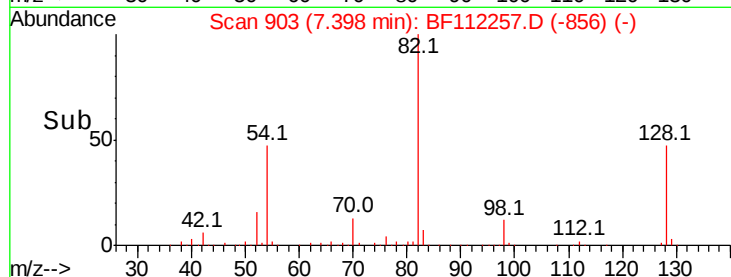
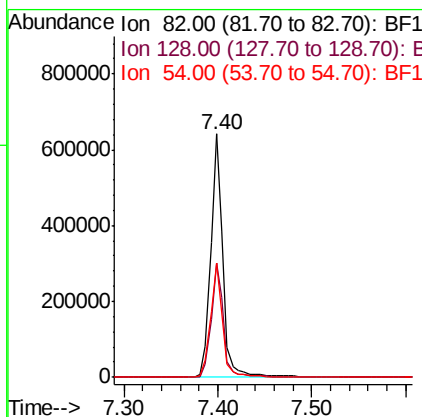
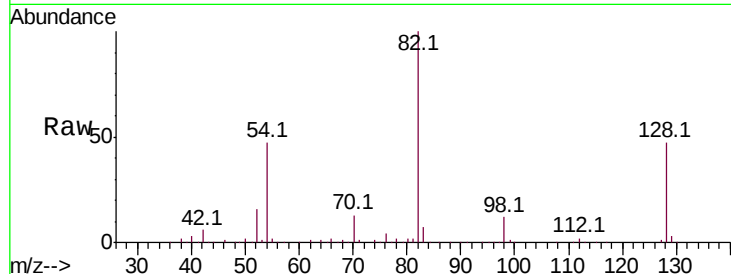
#23
 Nitrobenzene-d5
 Concen: 30.872 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF112257.D
 Acq: 26 Jan 2019 2:53

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-RO-1-012319DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.7	37.8	56.8	
54	46.9	39.7	59.5	

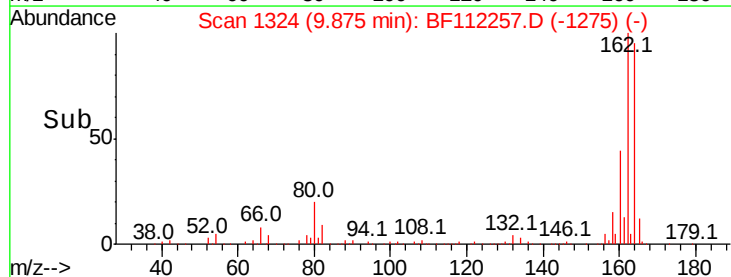
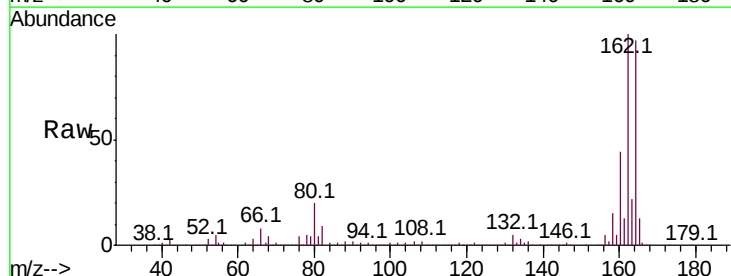
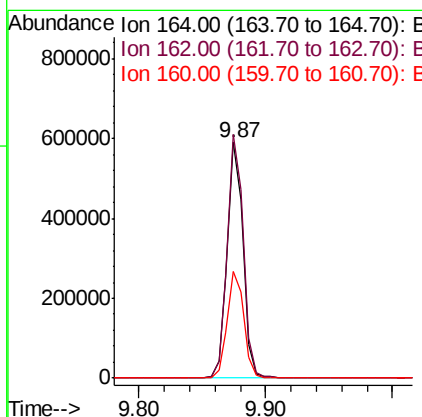
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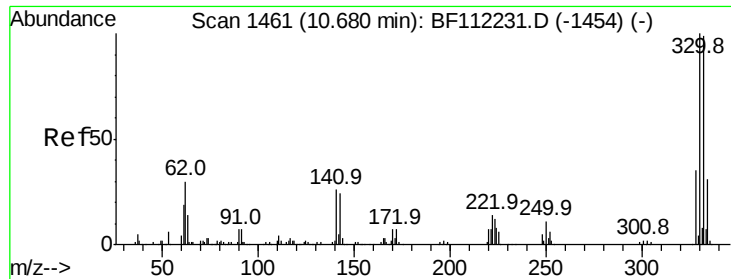
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF112257.D
 Acq: 26 Jan 2019 2:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.5	82.2	123.4	
160	45.5	36.2	54.4	





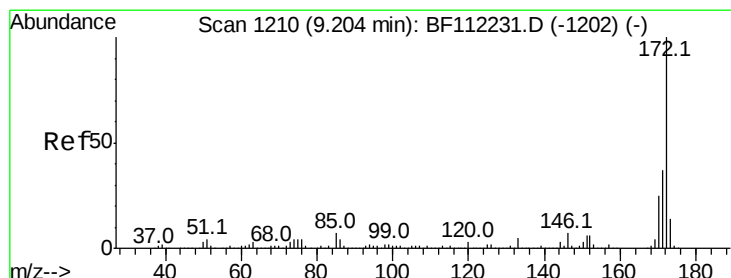
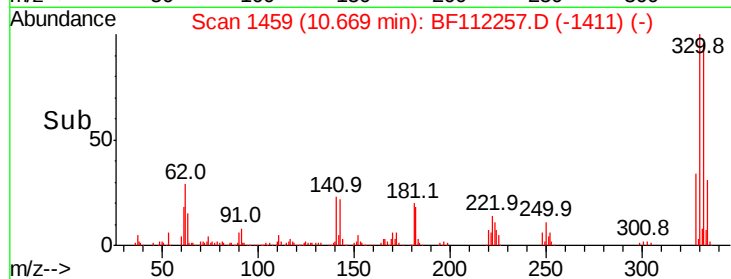
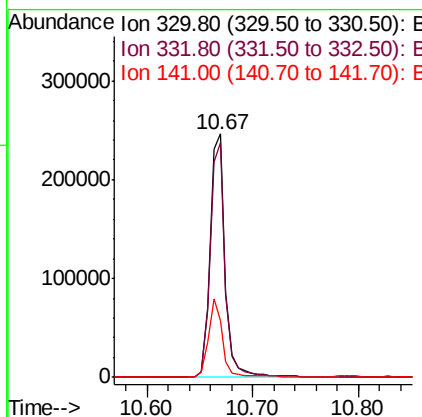
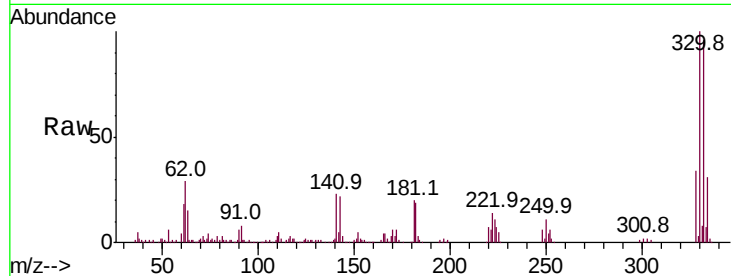
#42
 2,4,6-Tribromophenol
 Concen: 41.710 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF112257.D
 Acq: 26 Jan 2019 2:53

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-RO-1-012319DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	114.8
141	29.4	24.3	36.5

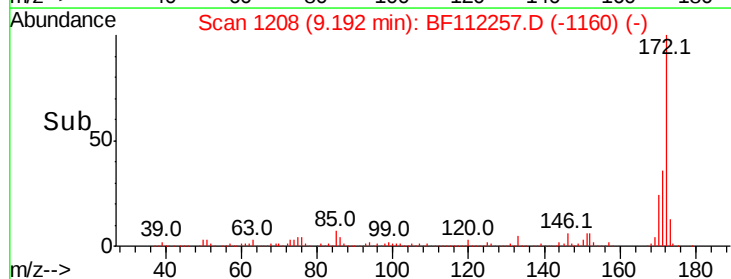
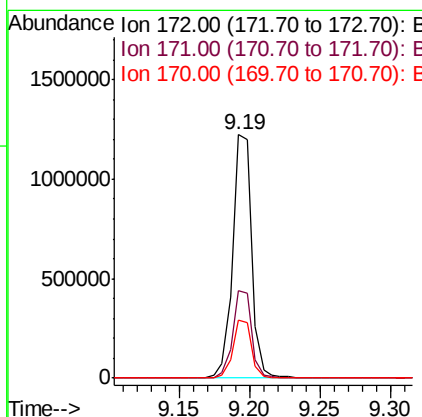
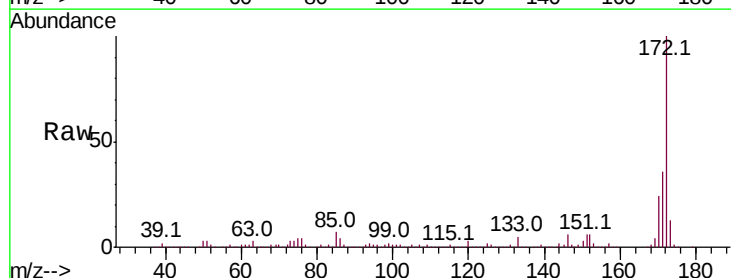
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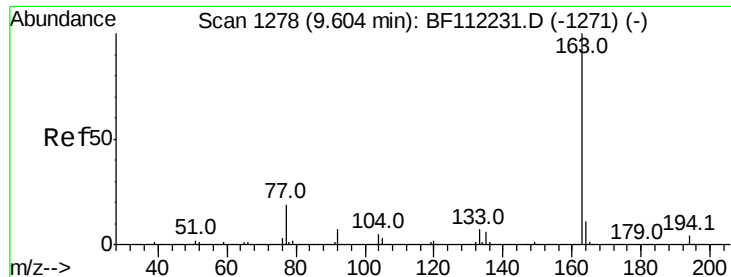
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#45
 2-Fluorobiphenyl
 Concen: 32.094 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: BF112257.D
 Acq: 26 Jan 2019 2:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.5	45.7
170	23.8	20.2	30.4





#50

Dimethylphthalate

Concen: 2.016 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.03 min

Lab File: BF112257.D

Acq: 26 Jan 2019 2:53

Instrument :

BNA_F

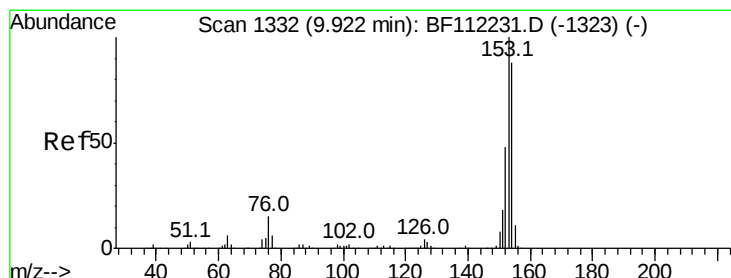
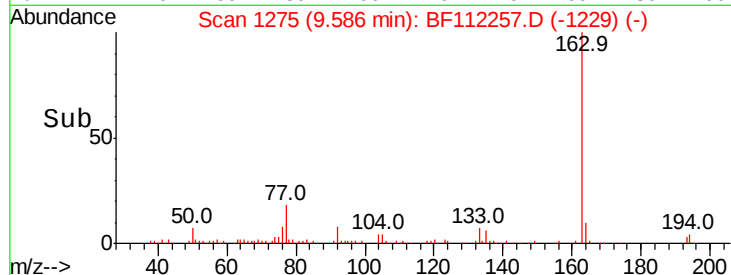
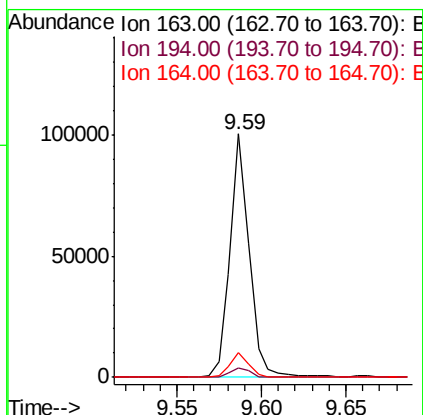
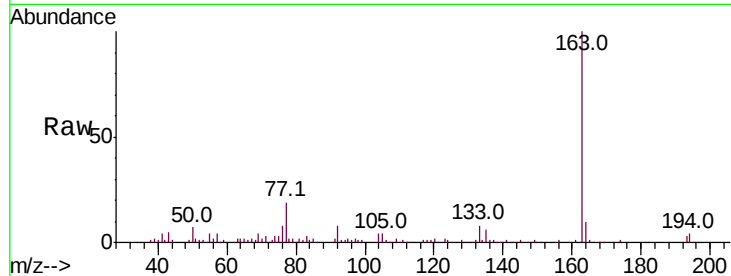
ClientSampleId :

TR-05-RO-1-012319DL

Tot Ion:	163	Resp:	79851
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.3	4.9
164	10.3	8.5	12.7

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#52

Acenaphthene

Concen: 2.780 ng

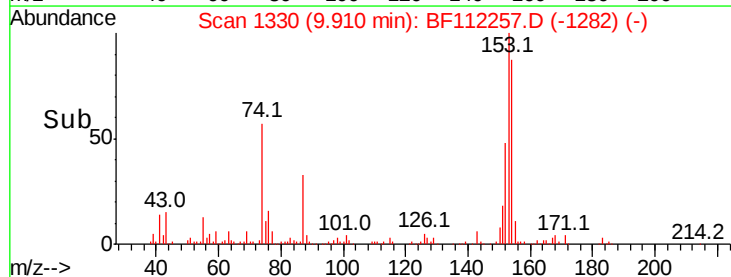
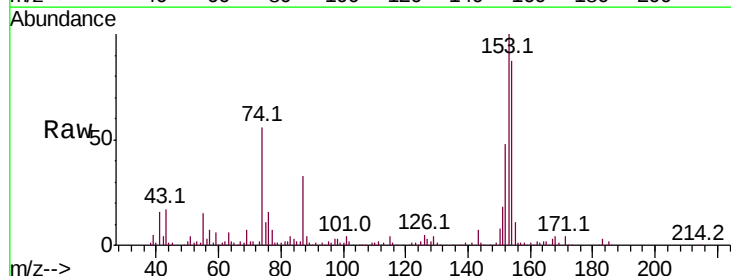
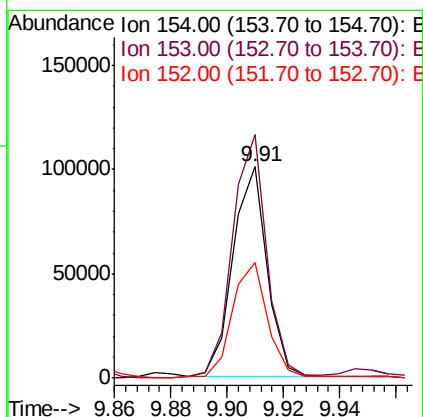
RT: 9.91 min Scan# 1330

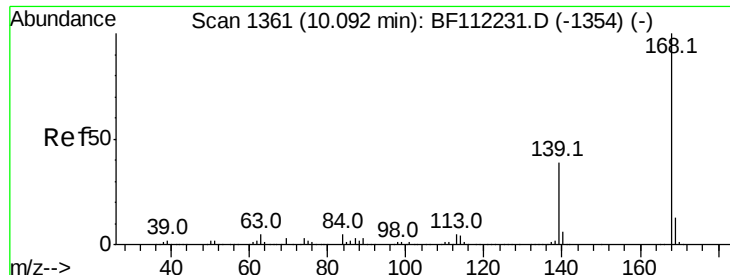
Delta R.T. -0.02 min

Lab File: BF112257.D

Acq: 26 Jan 2019 2:53

Tgt Ion:	154	Resp:	84123
Ion Ratio	Lower	Upper	
154	100		
153	115.2	89.8	134.6
152	54.9	43.5	65.3





#55

Dibenzenofuran

Concen: 3.600 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.02 min

Lab File: BF112257.D

Acq: 26 Jan 2019 2:53

Instrument :

BNA_F

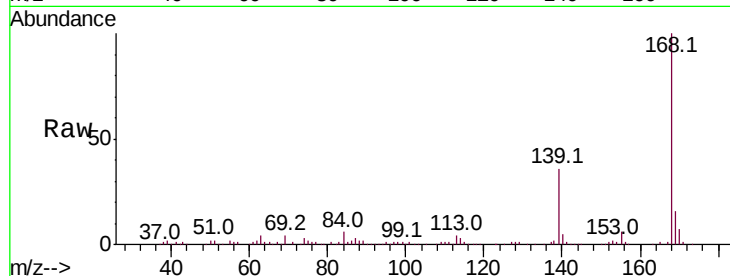
ClientSampleID :

TR-05-RO-1-012319DL

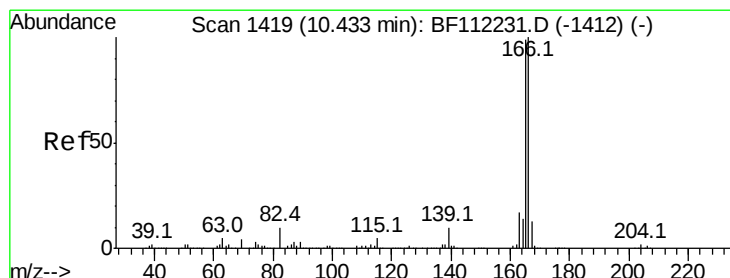
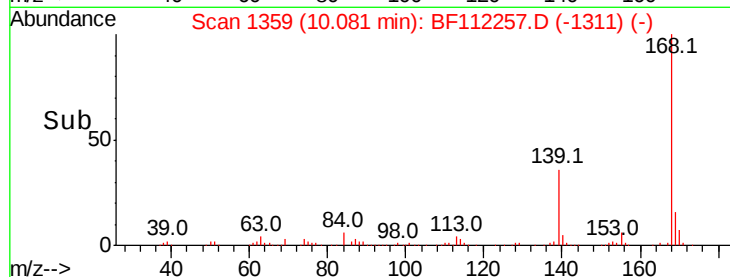
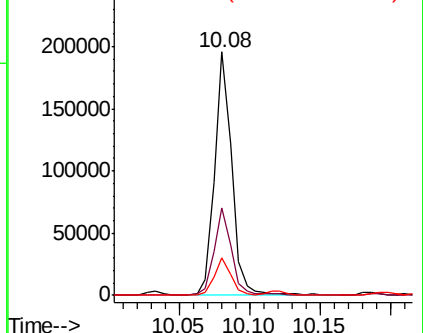
Tot Ion:	168	Resp:	166466
Ion Ratio	Lower	Upper	
168	100		
139	35.9	29.2	43.8
169	15.6	11.4	17.0

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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: 7.519 ng

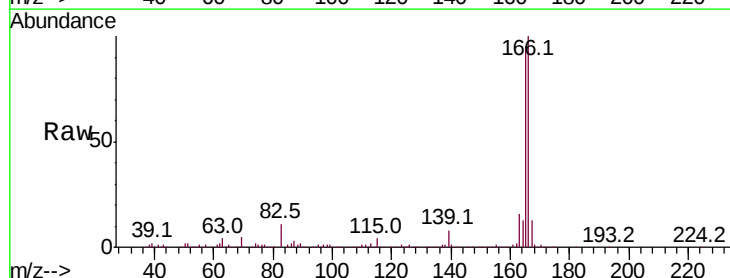
RT: 10.42 min Scan# 1417

Delta R.T. -0.02 min

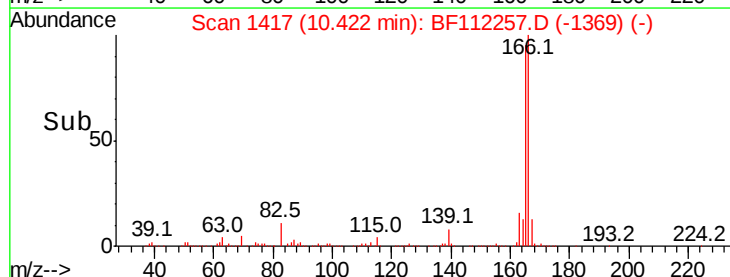
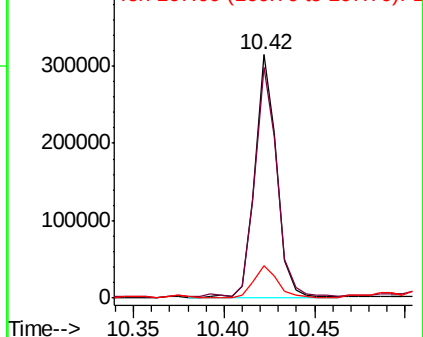
Lab File: BF112257.D

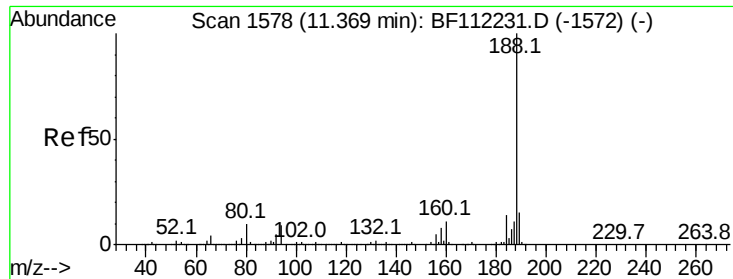
Acq: 26 Jan 2019 2:53

Tgt Ion:	166	Resp:	260189
Ion Ratio	Lower	Upper	
166	100		
165	95.0	77.1	115.7
167	13.5	11.3	16.9



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





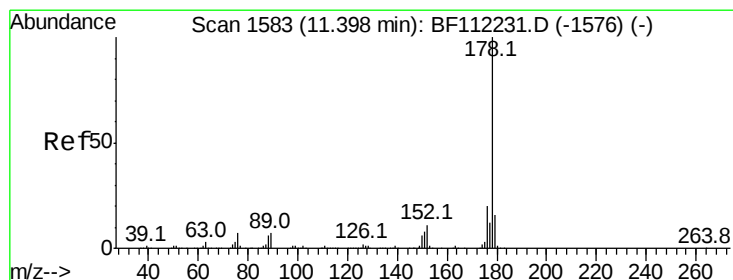
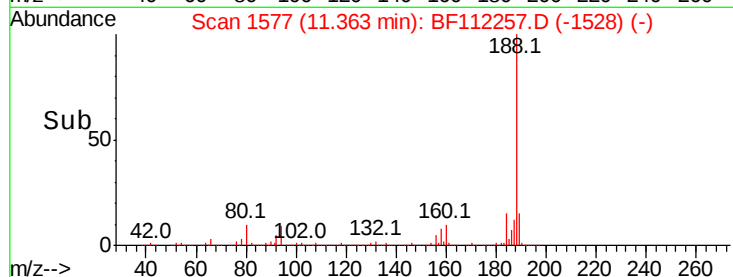
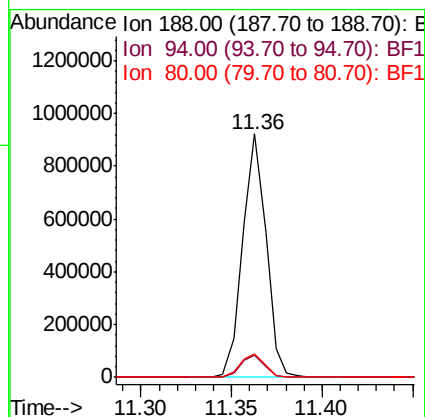
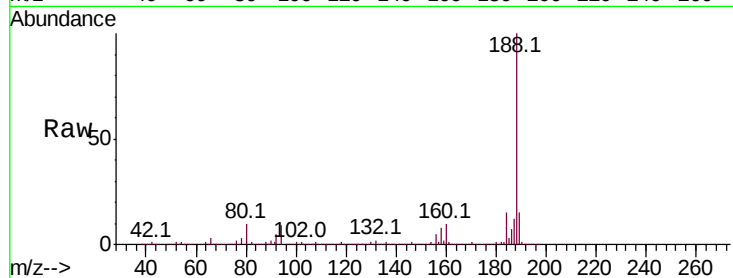
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112257.D
Acq: 26 Jan 2019 2:53

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	834784		
94	9.1		8.2	12.2
80	9.7		8.9	13.3

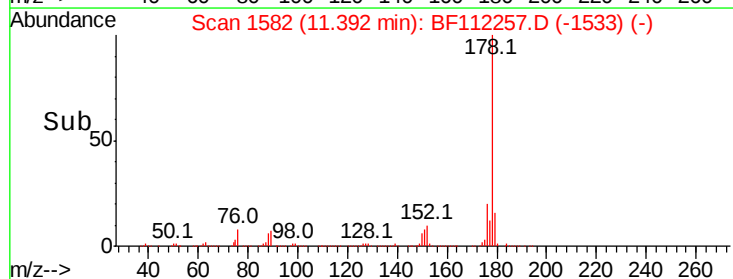
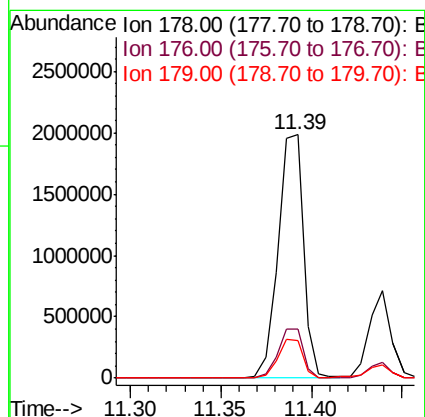
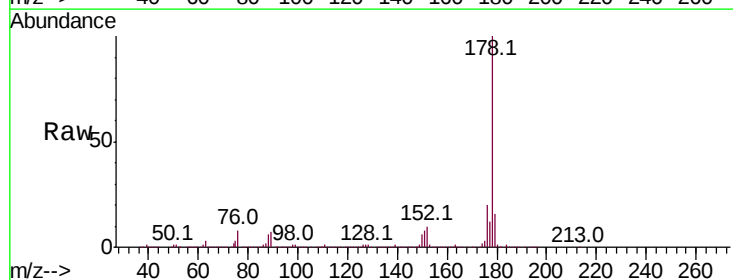
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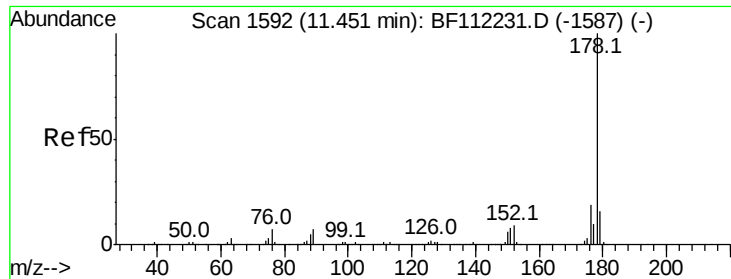
mohammad
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#71
Phenanthrene
Concen: 44.585 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF112257.D
Acq: 26 Jan 2019 2:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1934977		
176	20.0		16.3	24.5
179	15.6		13.0	19.4





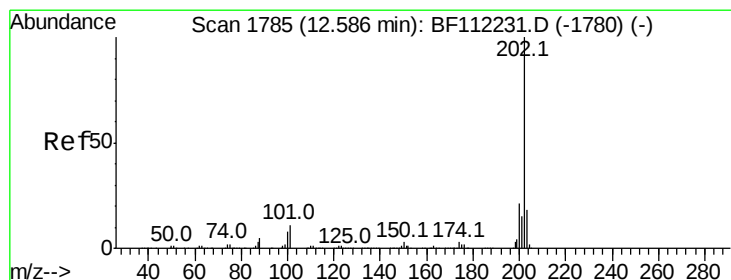
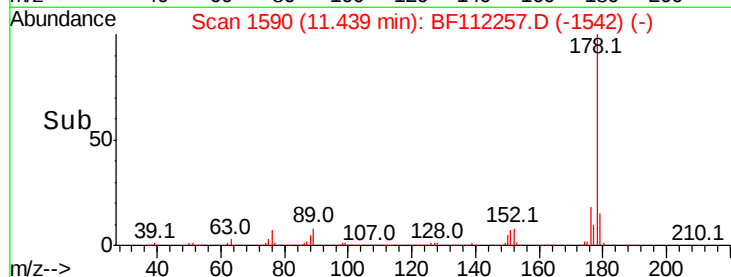
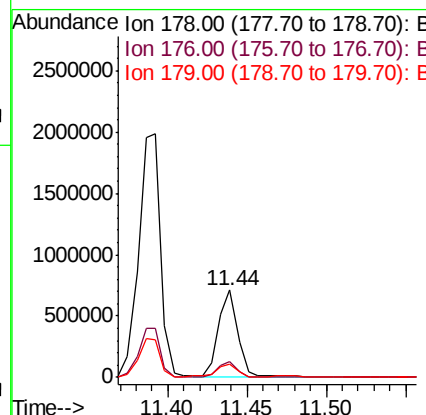
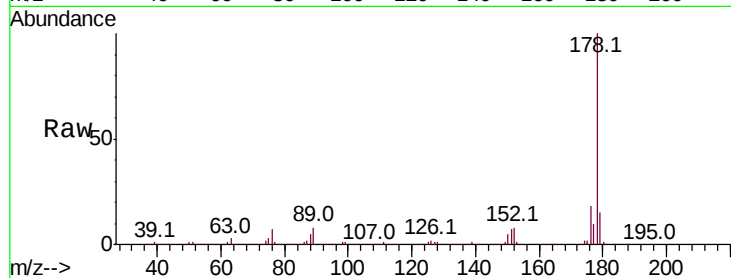
#72
 Anthracene
 Concen: 14.125 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.02 min
 Lab File: BF112257.D
 Acq: 26 Jan 2019 2:53

Instrument :
 BNA_F
 ClientSampleID :
 TR-05-RO-1-012319DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.5	23.3
179	15.3	12.8	19.2

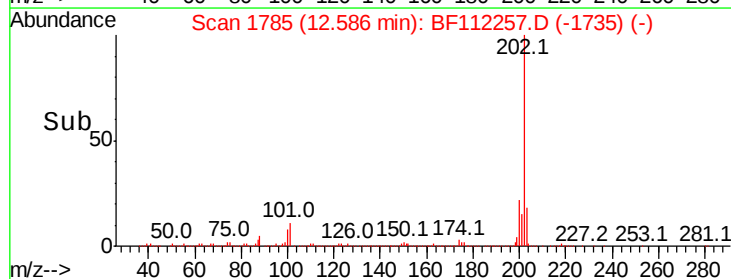
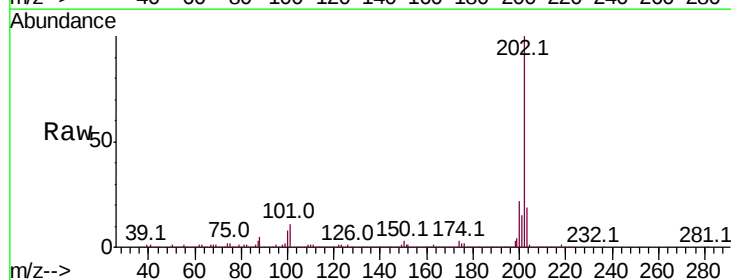
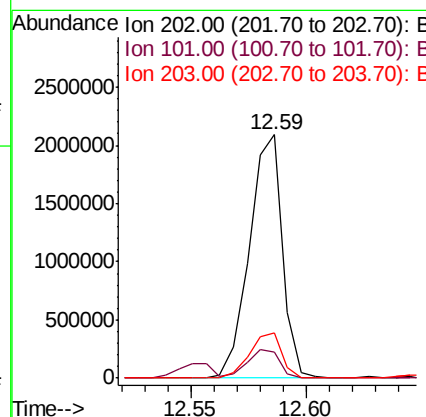
Manual Integrations
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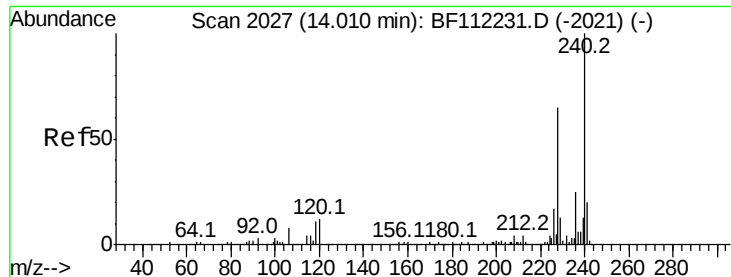
mohammad
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#75
 Fluoranthene
 Concen: 44.867 ng
 RT: 12.59 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BF112257.D
 Acq: 26 Jan 2019 2:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.8
203	18.5	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: BF112257.D

Acq: 26 Jan 2019 2:53

Instrument :

BNA_F

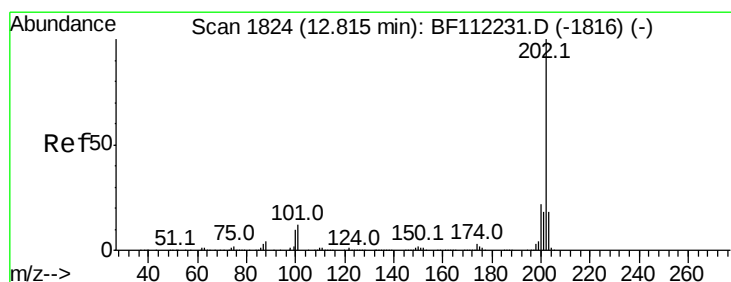
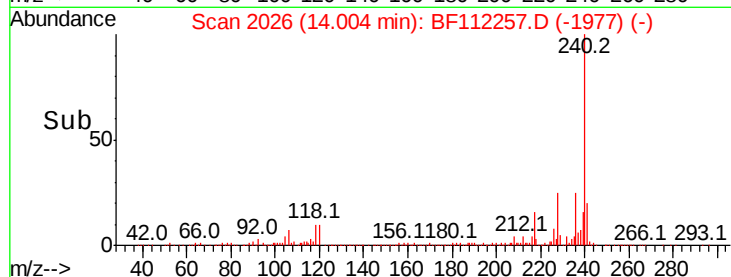
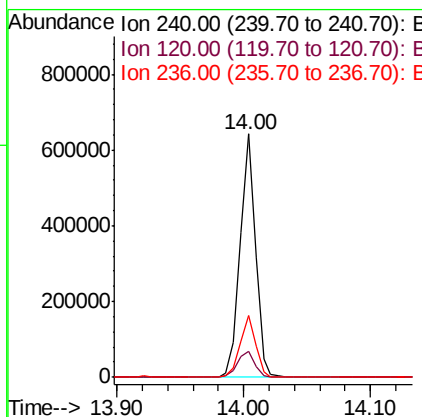
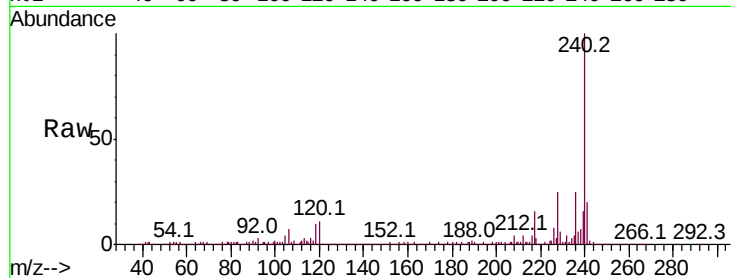
ClientSampleId :

TR-05-RO-1-012319DL

Tot Ion:	240	Resp:	534522
Ion Ratio	Lower	Upper	
240	100		
120	10.6	9.0	13.6
236	25.3	20.7	31.1

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#78

Pyrene

Concen: 45.117 ng

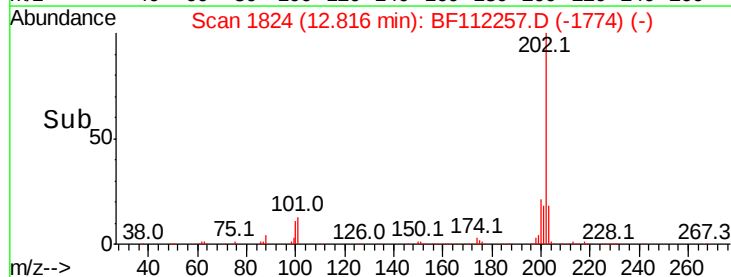
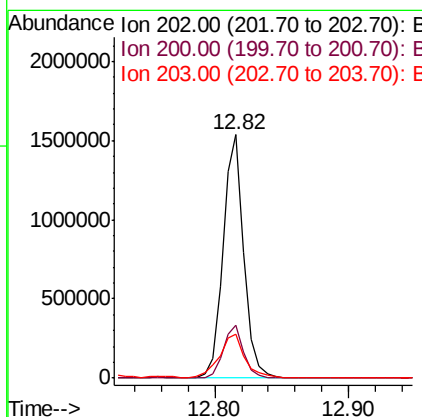
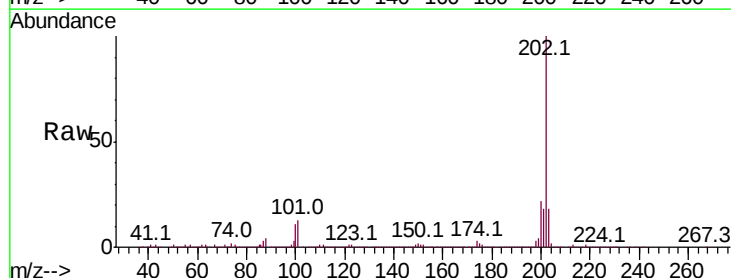
RT: 12.82 min Scan# 1824

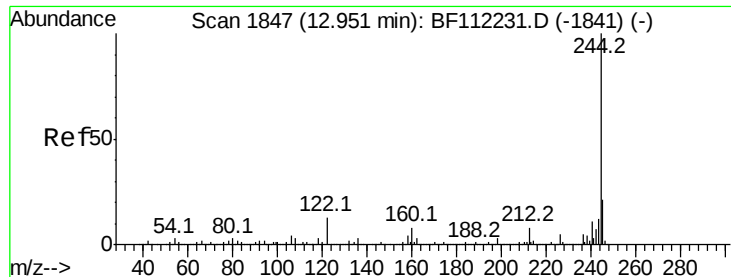
Delta R.T. -0.01 min

Lab File: BF112257.D

Acq: 26 Jan 2019 2:53

Tgt Ion:	202	Resp:	1669670
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.7	26.5
203	18.3	14.6	22.0





#79

Terphenyl-d14

Concen: 29.271 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112257.D

Acq: 26 Jan 2019 2:53

Instrument :

BNA_F

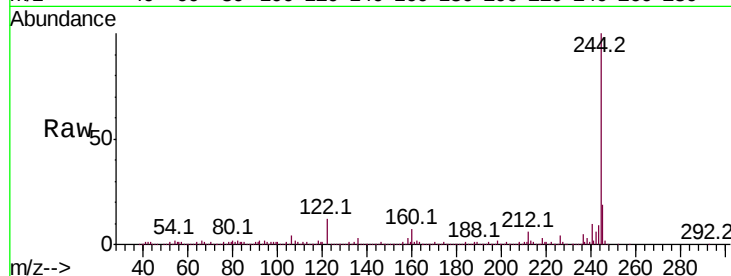
ClientSampleId :

TR-05-RO-1-012319DL

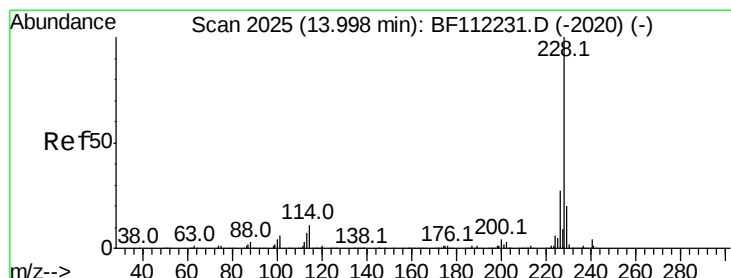
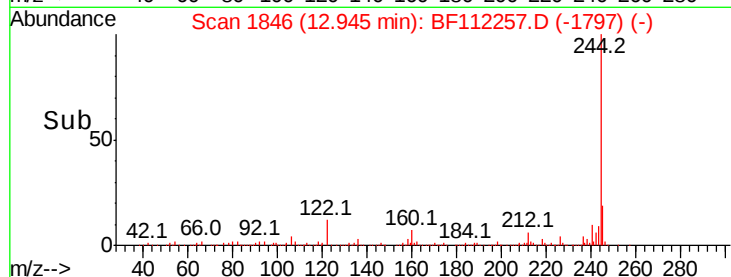
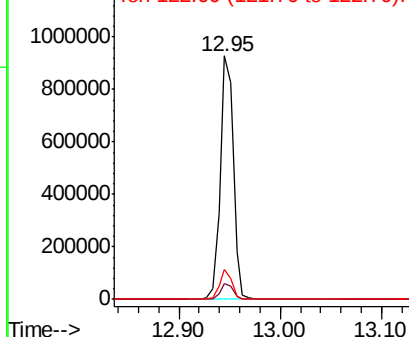
Tot Ion:	244	Resp:	830710
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.9	8.9
122	12.2	9.8	14.6

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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: 24.924 ng

RT: 13.99 min Scan# 2024

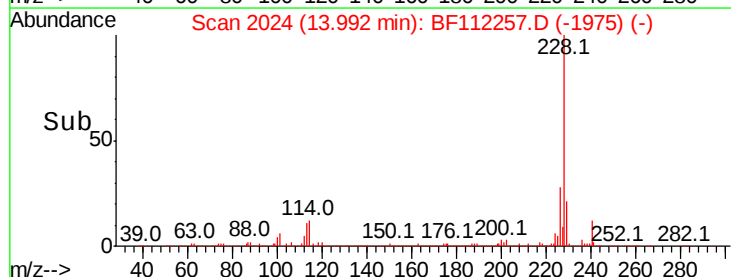
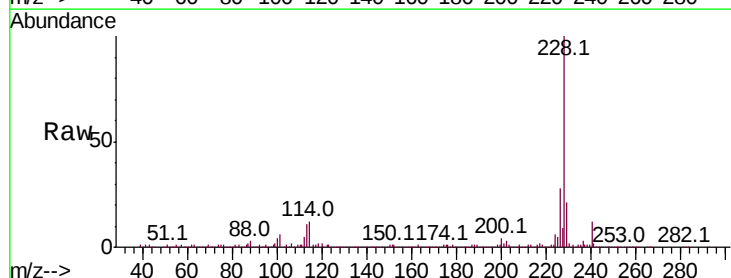
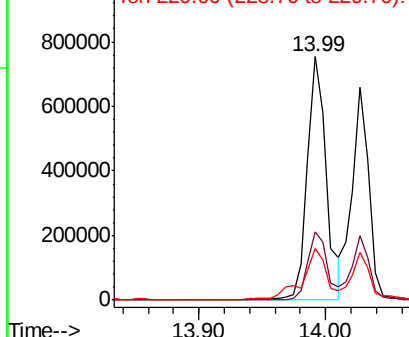
Delta R.T. -0.01 min

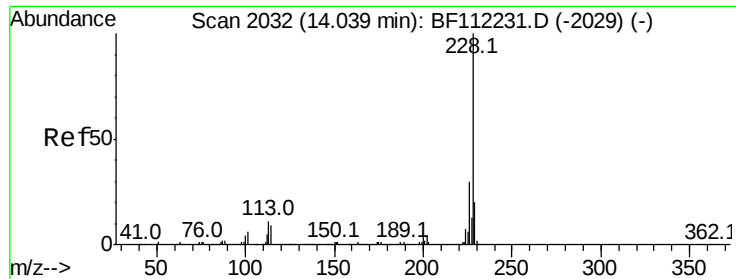
Lab File: BF112257.D

Acq: 26 Jan 2019 2:53

Tgt Ion:	228	Resp:	783167
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.6	34.0
229	21.2	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





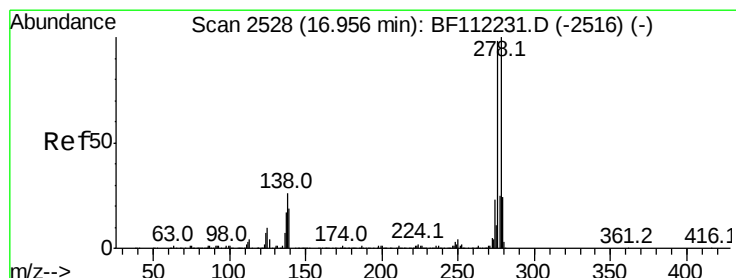
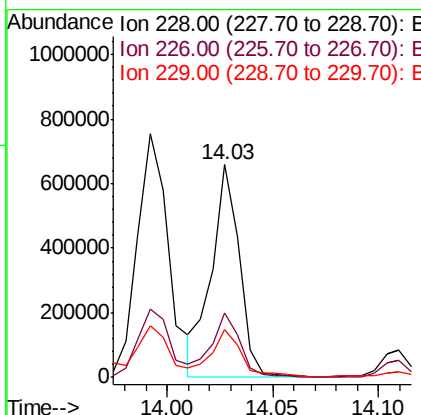
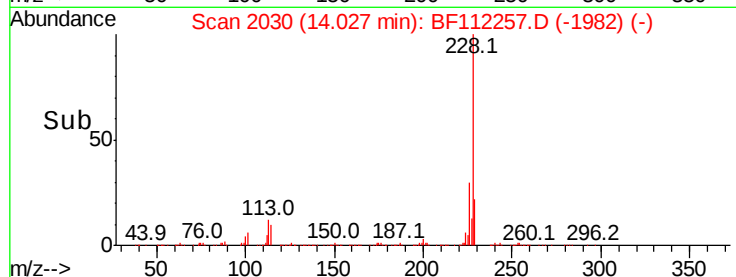
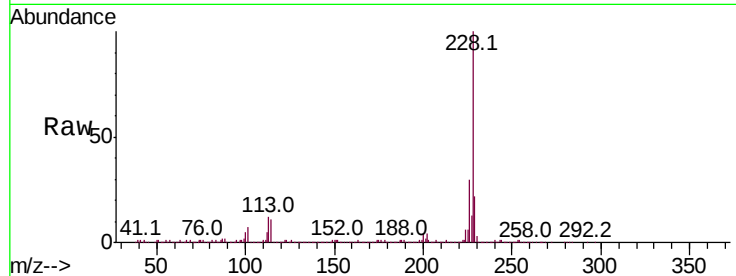
#83
Chrysene
Concen: 20.241 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF112257.D
Acq: 26 Jan 2019 2:53

Instrument :
BNA_F
ClientSampleID :
TR-05-RO-1-012319DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.2	16.6	24.8

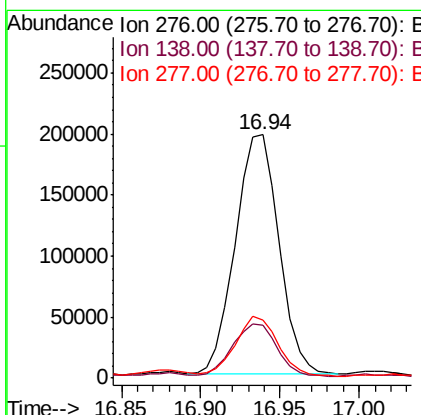
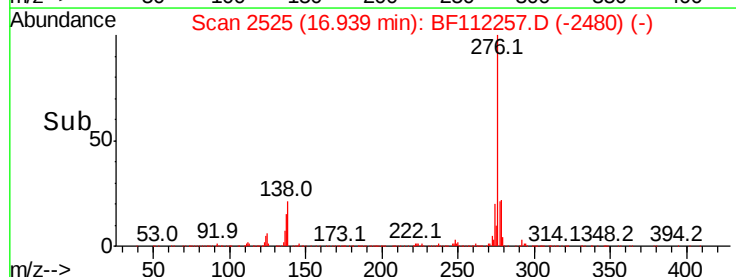
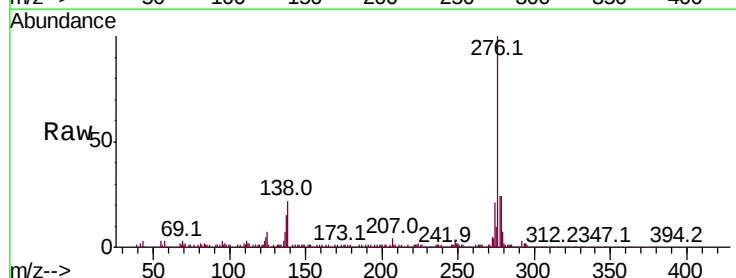
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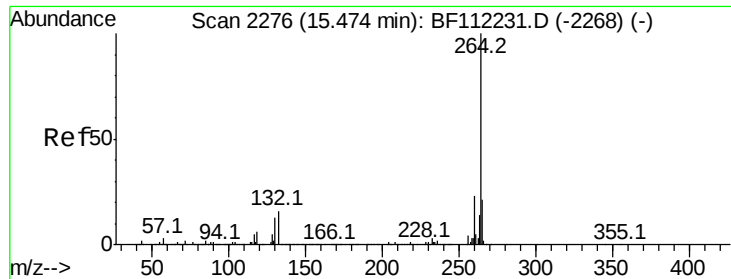
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#86
Indeno(1,2,3-cd)pyrene
Concen: 15.737 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.04 min
Lab File: BF112257.D
Acq: 26 Jan 2019 2:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	22.6	34.0#
277	24.4	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112257.D

Acq: 26 Jan 2019 2:53

Instrument :

BNA_F

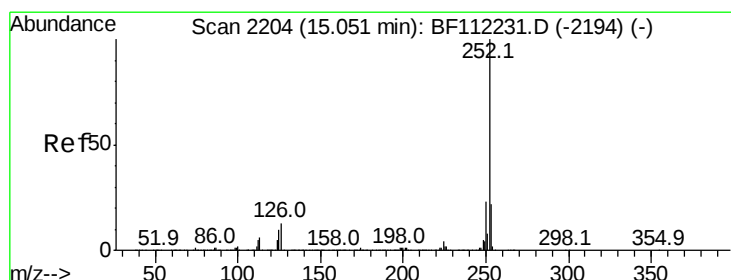
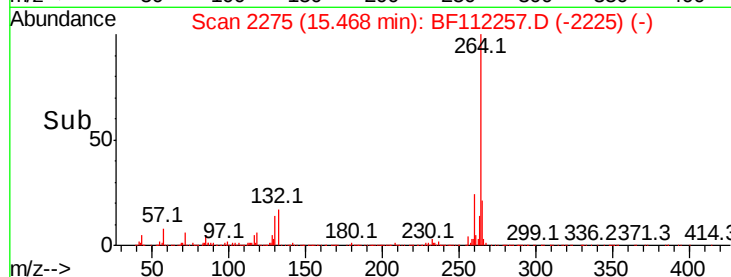
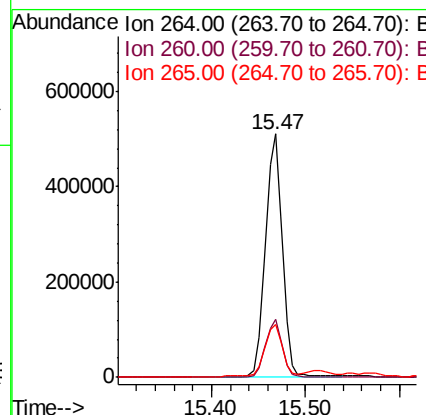
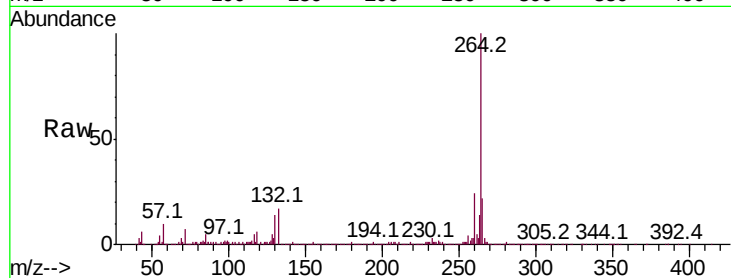
ClientSampleId :

TR-05-RO-1-012319DL

Tot Ion:	264	Resp:	638186
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.2	27.2
265	21.6	17.0	25.4

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#88

Benzo(b)fluoranthene

Concen: 22.732 ng m

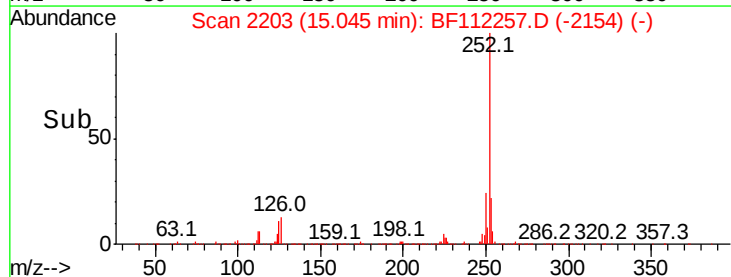
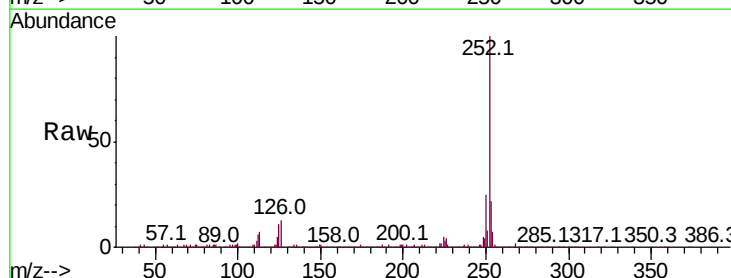
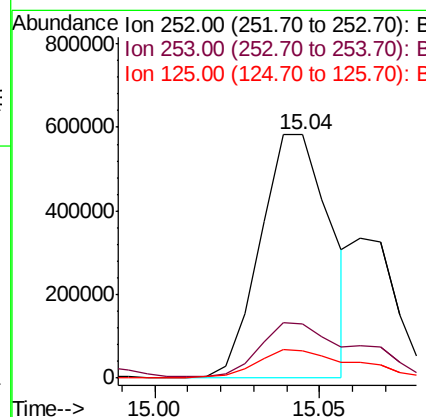
RT: 15.04 min Scan# 2203

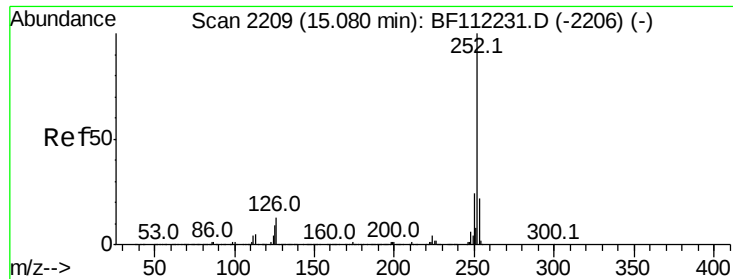
Delta R.T. -0.01 min

Lab File: BF112257.D

Acq: 26 Jan 2019 2:53

Tgt Ion:	252	Resp:	867601
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.0	27.0
125	11.2	8.7	13.1





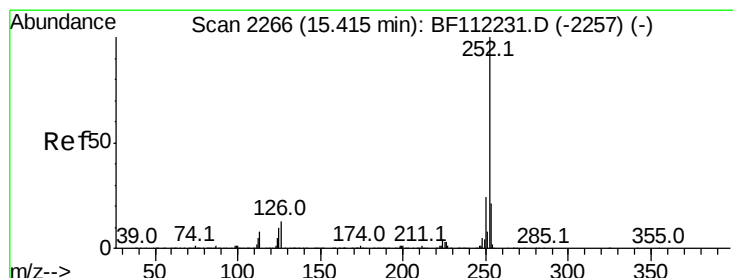
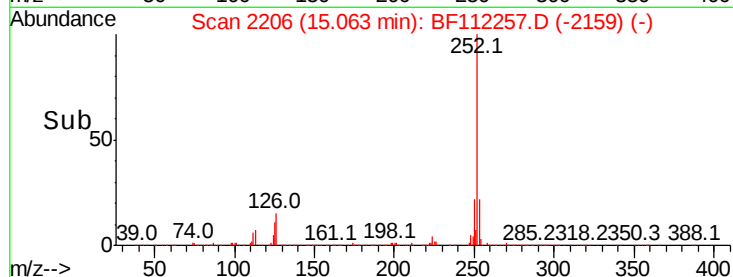
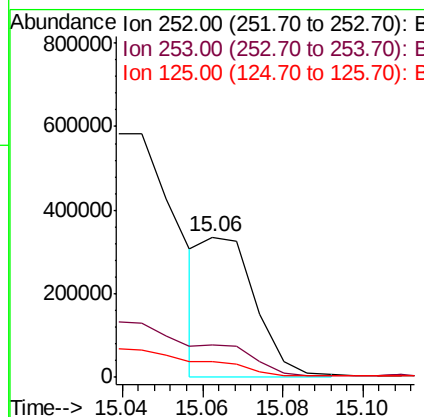
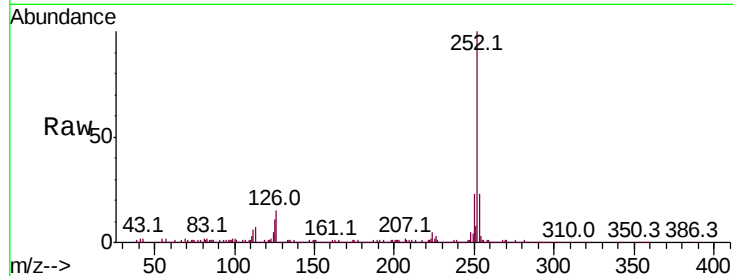
#89
Benzo(k)fluoranthene
Concen: 8.386 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF112257.D
Acq: 26 Jan 2019 2:53

Instrument :
BNA_F
ClientSampleId :
TR-05-RO-1-012319DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	11.4	9.1	13.7

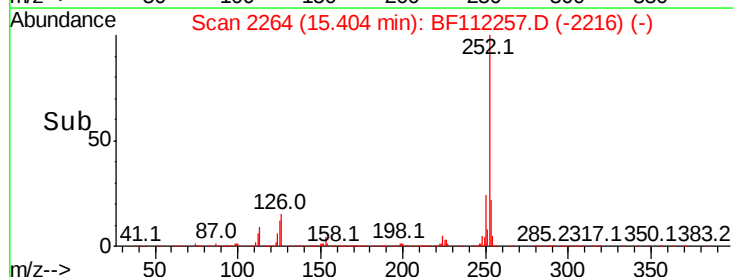
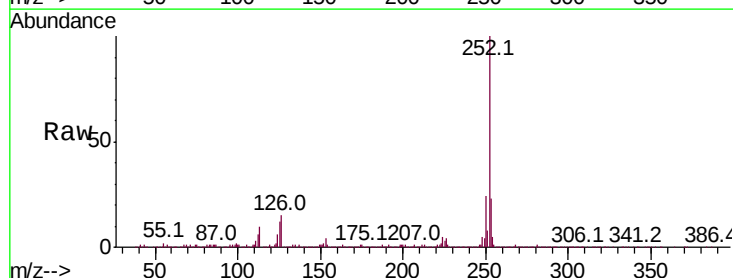
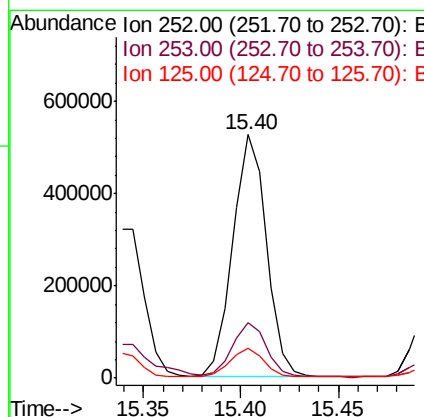
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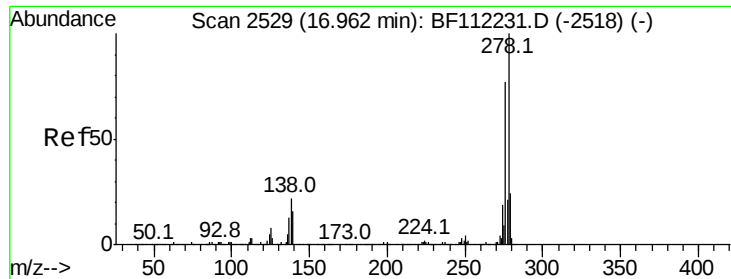
mohammad
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#90
Benzo(a)pyrene
Concen: 18.368 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BF112257.D
Acq: 26 Jan 2019 2:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	12.4	9.0	13.4





#91

Dibenzo(a,h)anthracene

Concen: 3.640 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.04 min

Lab File: BF112257.D

Acq: 26 Jan 2019 2:53

Instrument :

BNA_F

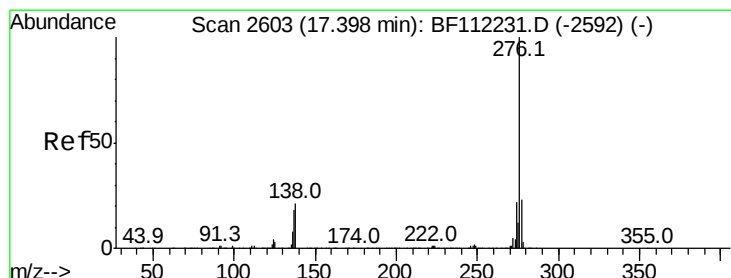
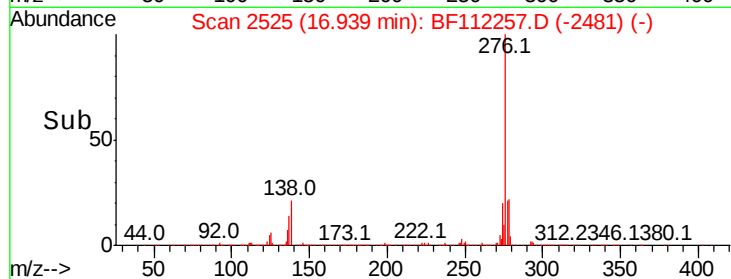
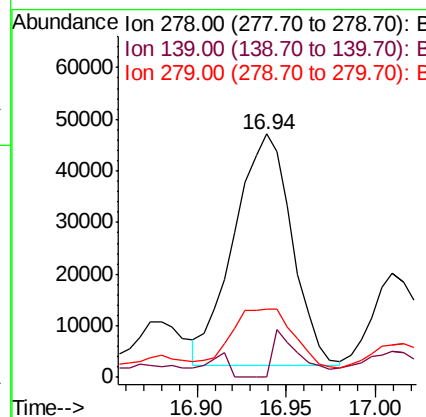
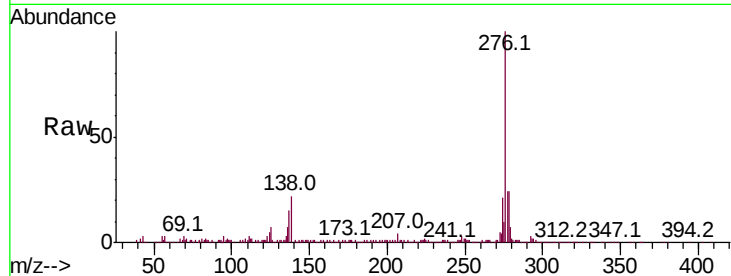
ClientSampleId :

TR-05-RO-1-012319DL

Tot Ion:	278	Resp:	100759
Ion Ratio	Lower	Upper	
278	100		
139	0.0	13.7	20.5#
279	28.0	19.0	28.6

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#92

Benzo(g,h,i)perylene

Concen: 12.259 ng

RT: 17.38 min Scan# 2600

Delta R.T. -0.04 min

Lab File: BF112257.D

Acq: 26 Jan 2019 2:53

Tgt Ion:	276	Resp:	320121
Ion Ratio	Lower	Upper	
276	100		
277	26.0	19.4	29.0
138	22.9	19.1	28.7

