

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012919\
 Data File : BF112298.D
 Acq On : 29 Jan 2019 16:38
 Operator : JU/SJ
 Sample : K1016-11 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 TR-05-012819

Manual Integrations
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 1/30/2019 11:08:38 AM

Quant Time: Jan 30 00:48:00 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	6.84	152	149976	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	552392	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	232334	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	397347	20.00	ng	0.00
76) Chrysene-d12	14.00	240	421625	20.00	ng	0.00
87) Perylene-d12	15.47	264	373708	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	160939	22.79	ng	0.00
7) Phenol-d6	6.49	99	203212	20.71	ng	0.00
23) Nitrobenzene-d5	7.40	82	119899	12.51	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	44534	16.47	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	252321	15.36	ng	-0.01
79) Terphenyl-d14	12.95	244	244340	10.91	ng	0.00
Target Compounds						
71) Phenanthrene	11.39	178	186072	9.007	ng	97
72) Anthracene	11.44	178	44503	2.163	ng	99
75) Fluoranthene	12.58	202	332484	15.006	ng	99
78) Pyrene	12.82	202	287944	9.864	ng	97
81) Benzo(a)anthracene	13.99	228	128154	5.171	ng	96
83) Chrysene	14.03	228	124343	5.256	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	52351	2.793	ng	94
88) Benzo(b)fluoranthene	15.04	252	160260m	7.171	ng	
89) Benzo(k)fluoranthene	15.07	252	53763m	2.511	ng	
90) Benzo(a)pyrene	15.41	252	111699	5.554	ng	# 92
92) Benzo(g,h,i)perylene	17.40	276	51552	3.371	ng	95

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

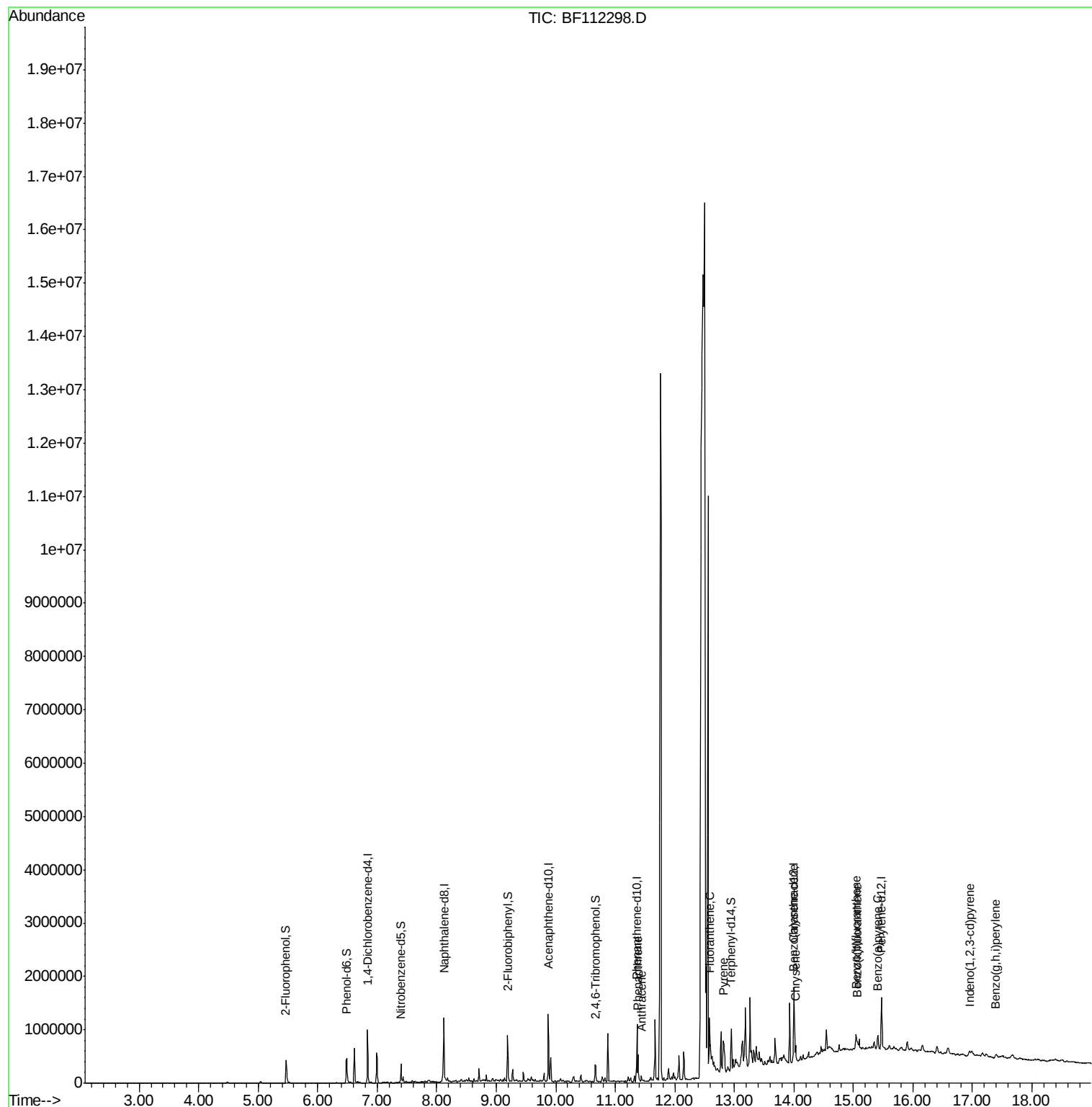
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012919\
Data File : BF112298.D
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ALS Vial : 12 Sample Multiplier: 1

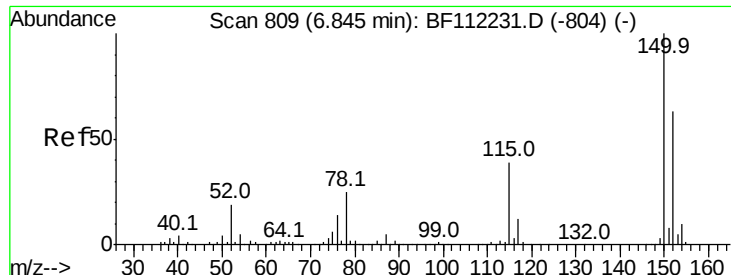
Instrument :
BNA_F
ClientSampleId :
TR-05-012819

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#1

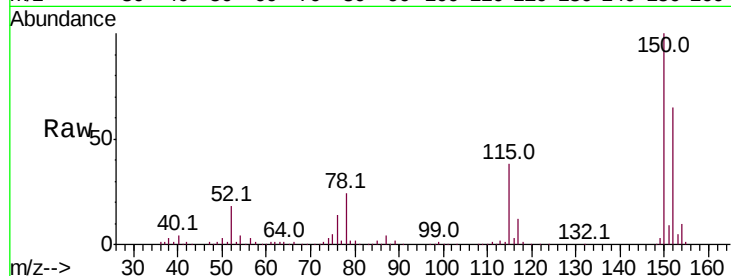
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Instrument :
BNA_F
ClientSampleId :
TR-05-012819

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	127.4	191.0
115	58.6	45.5	68.3

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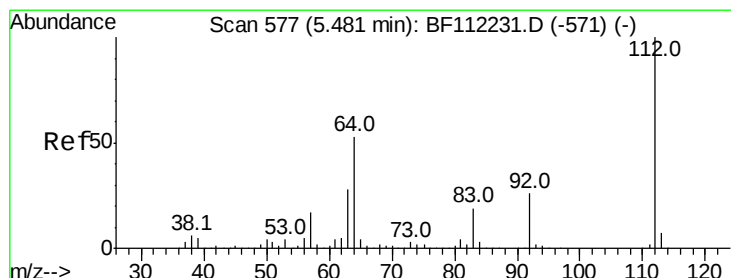
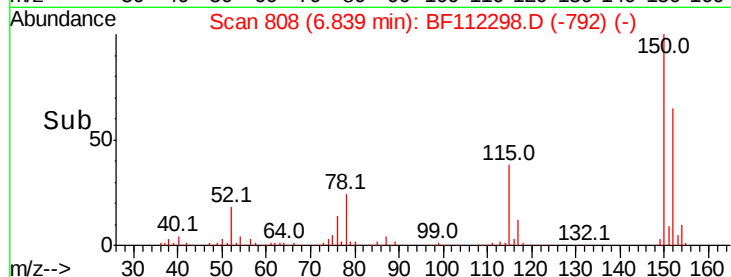
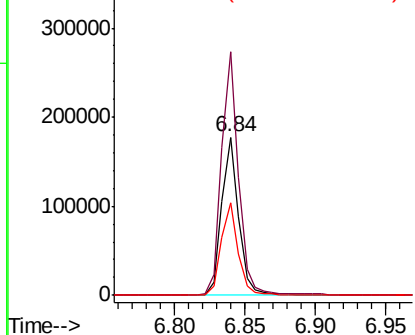


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

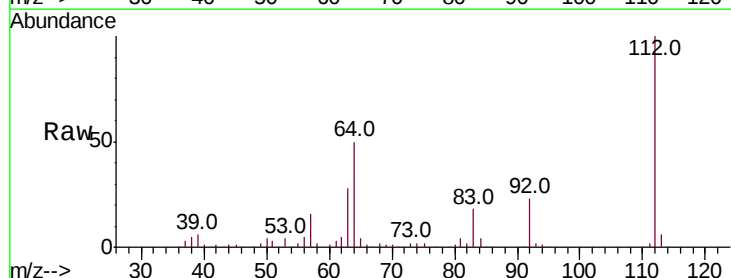
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 22.793 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.4	45.7	68.5
63	28.0	23.6	35.4

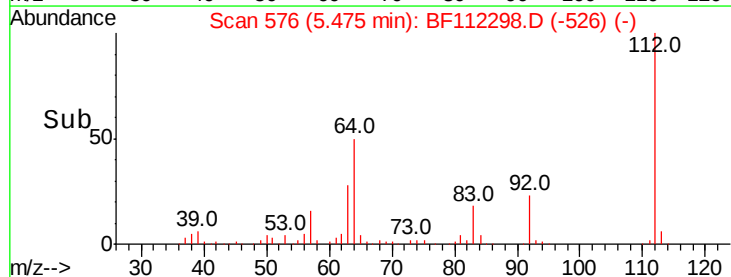
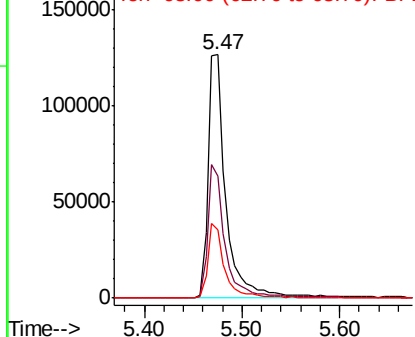


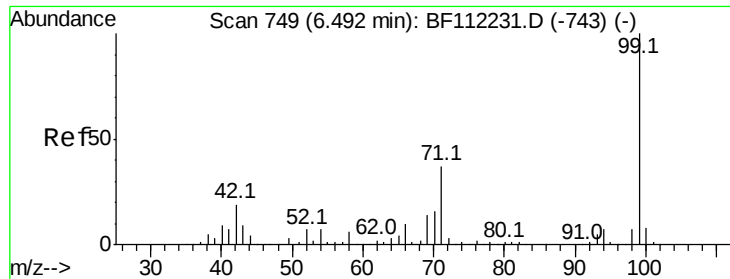
Abundance

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: 20.712 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

Instrument :

BNA_F

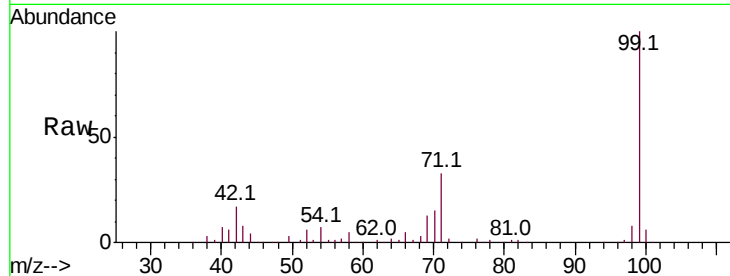
ClientSampleId :

TR-05-012819

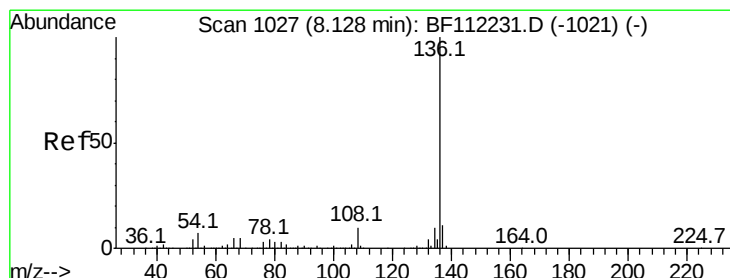
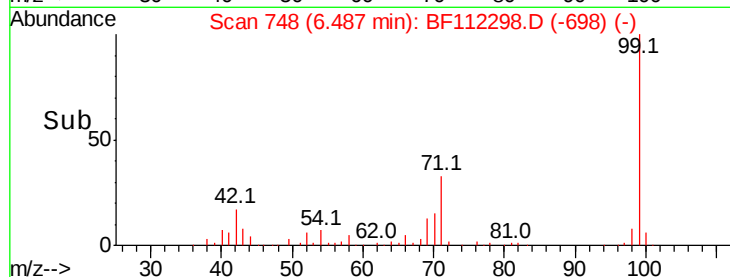
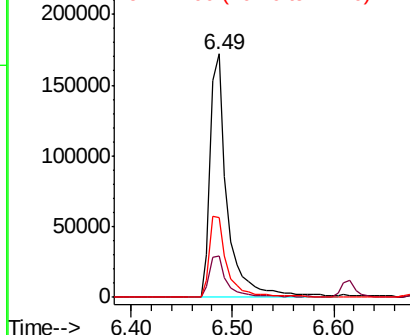
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		203212		
42	17.1	15.1	22.7		
71	32.6	26.9	40.3		

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

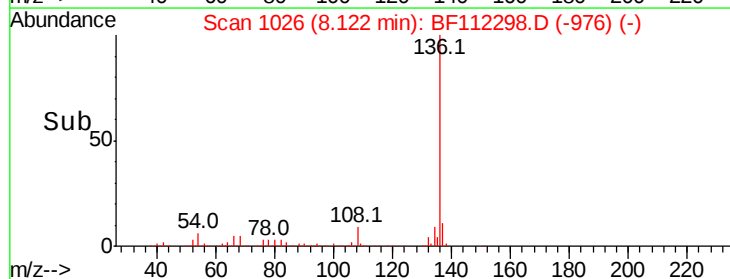
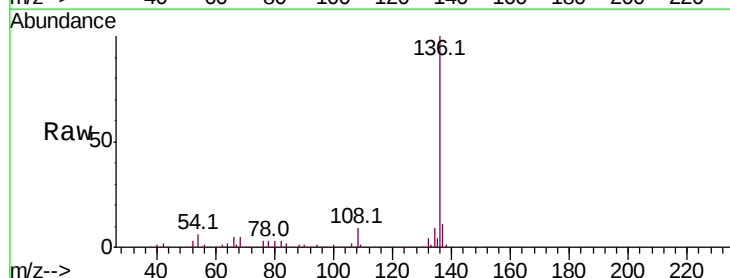
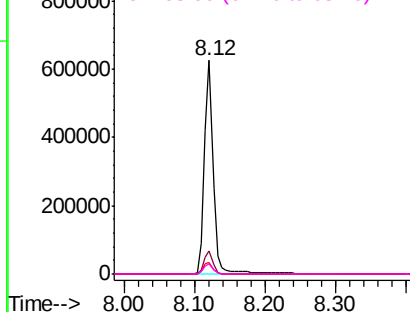
Delta R.T. -0.01 min

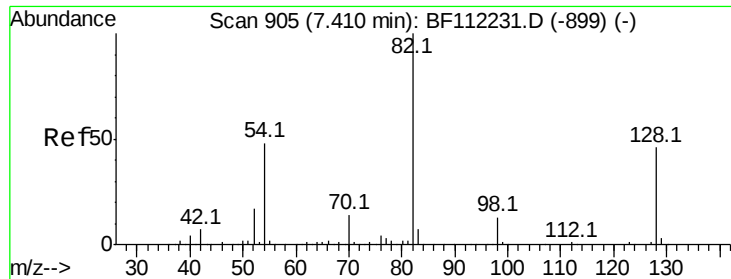
Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		552392		
137	10.6	9.1	13.7		
54	5.7	5.9	8.9#		
68	5.0	5.1	7.7#		

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





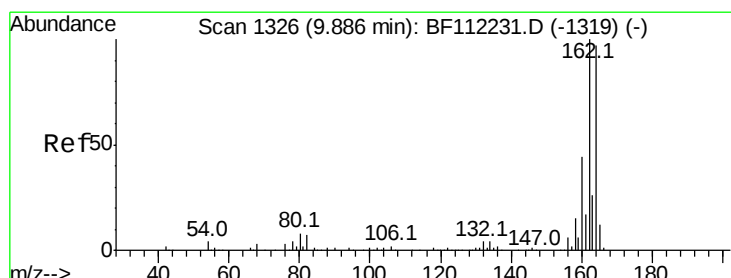
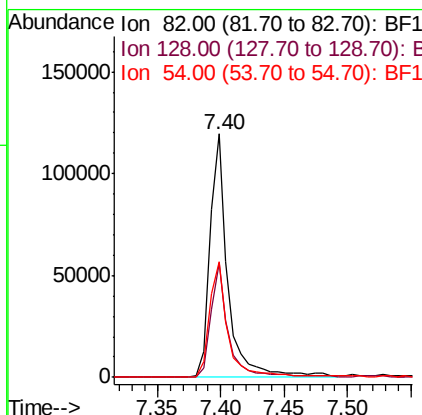
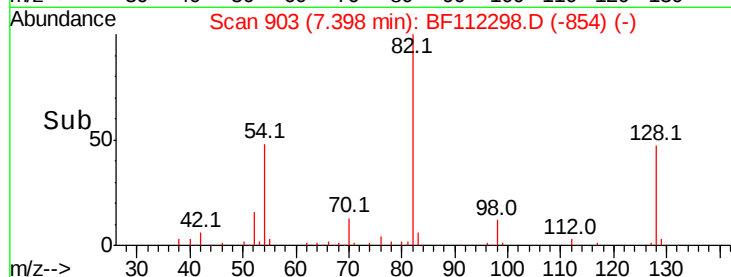
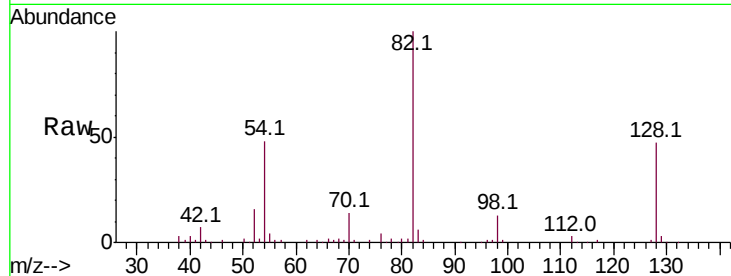
#23
Nitrobenzene-d5
Concen: 12.507 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Instrument :
BNA_F
ClientSampleId :
TR-05-012819

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.8	56.8
54	47.6	39.7	59.5

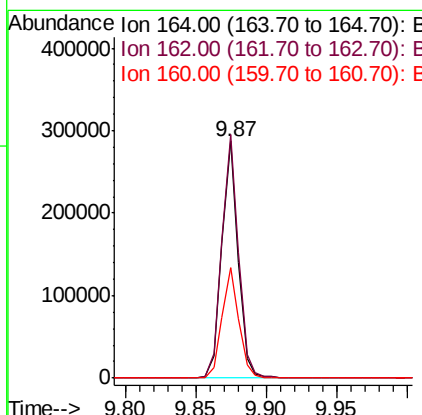
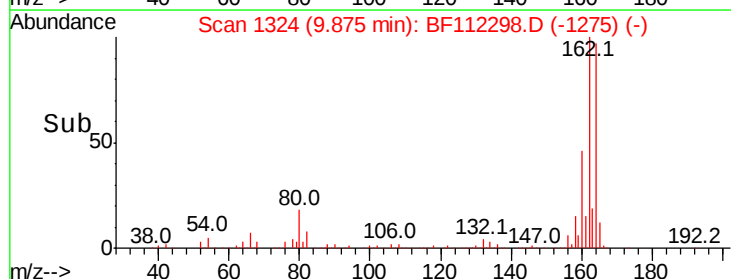
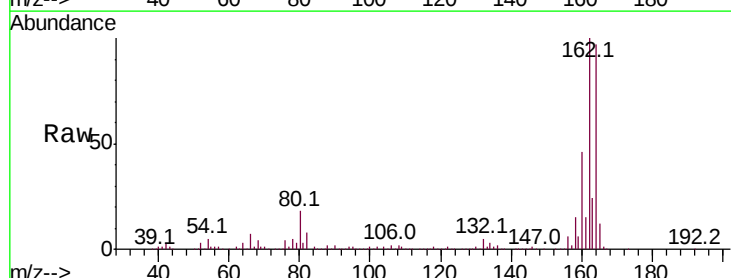
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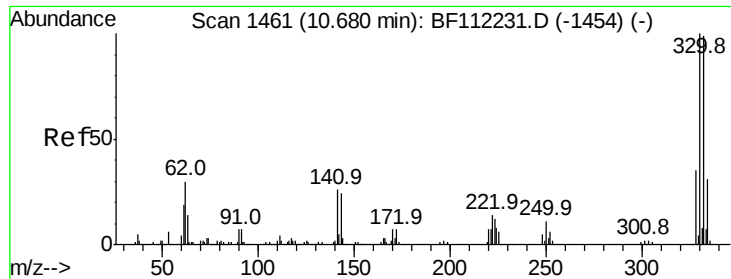
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.2	123.4
160	46.8	36.2	54.4





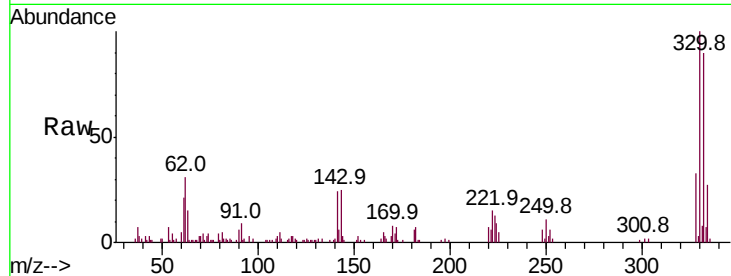
#42
 2,4,6-Tribromophenol
 Concen: 16.468 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112298.D
 Acq: 29 Jan 2019 16:38

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-012819

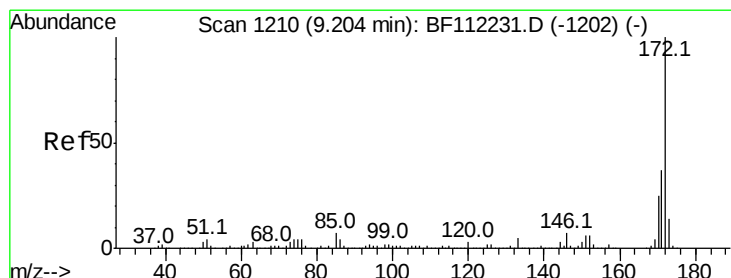
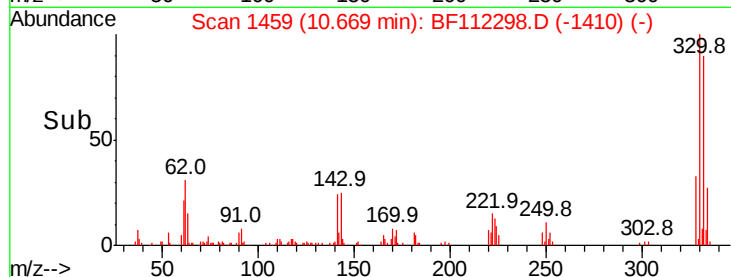
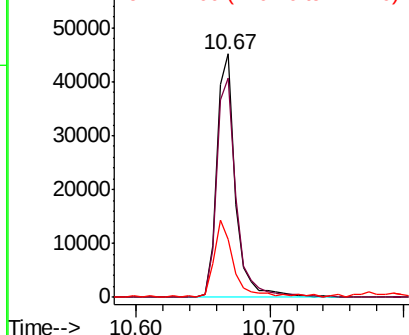
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	114.8
141	33.6	24.3	36.5

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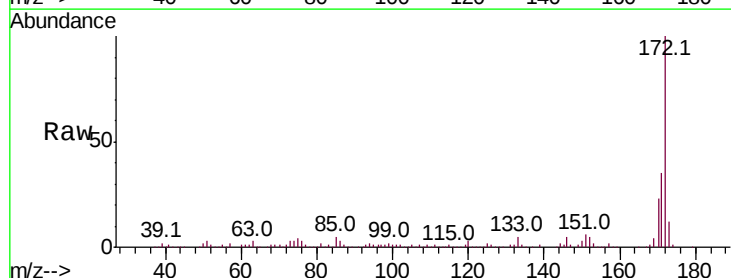


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

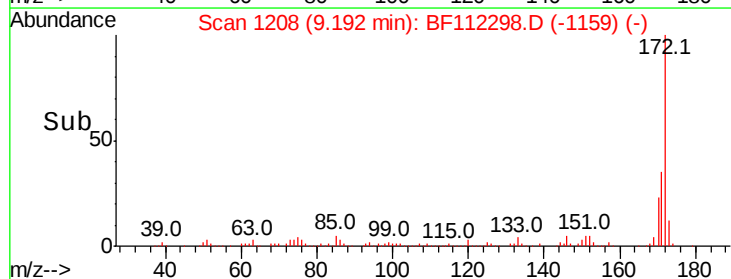
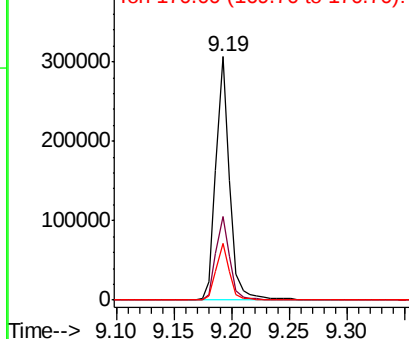


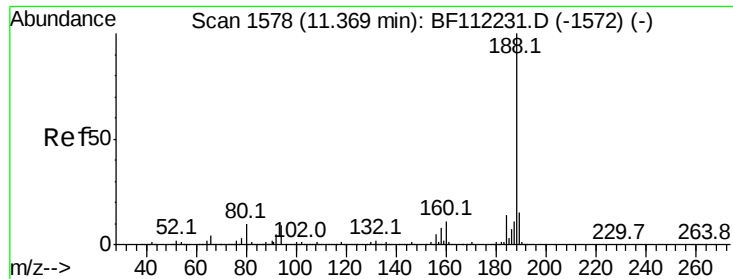
#45
 2-Fluorobiphenyl
 Concen: 15.360 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112298.D
 Acq: 29 Jan 2019 16:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	30.5	45.7
170	23.1	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





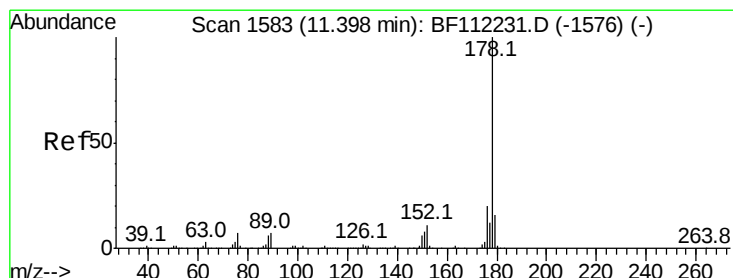
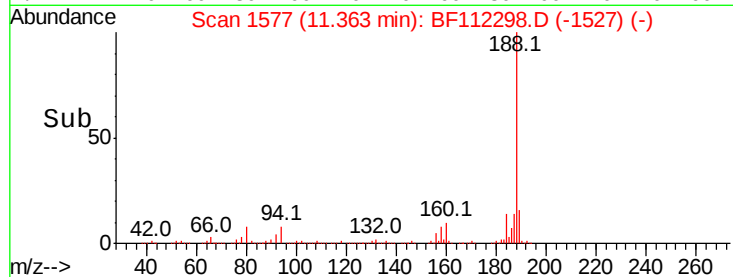
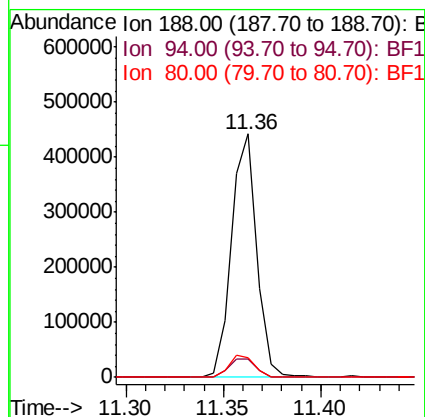
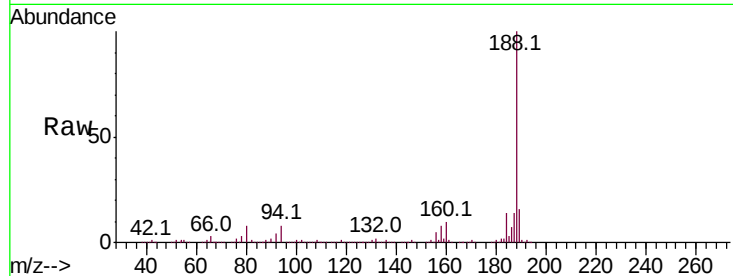
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Instrument :
BNA_F
ClientSampleId :
TR-05-012819

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.8	8.2	12.2#
80	8.2	8.9	13.3#

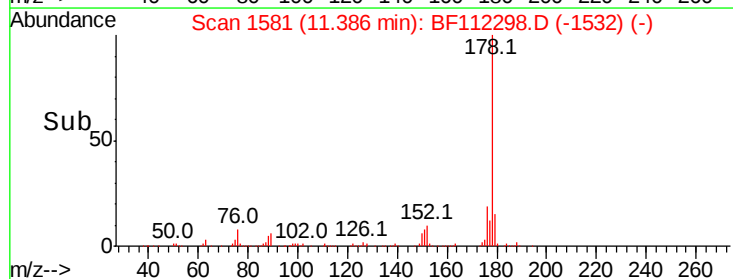
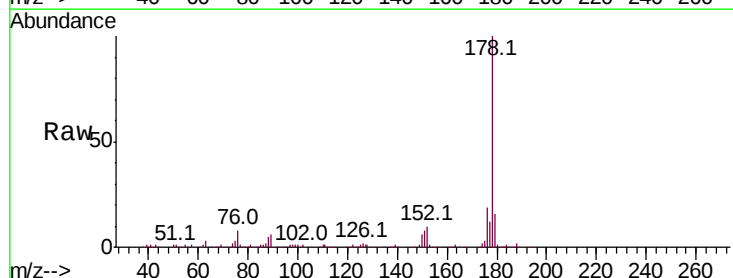
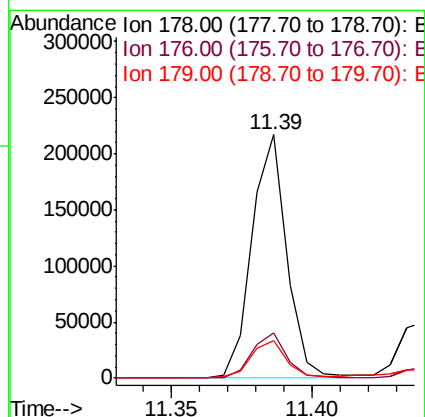
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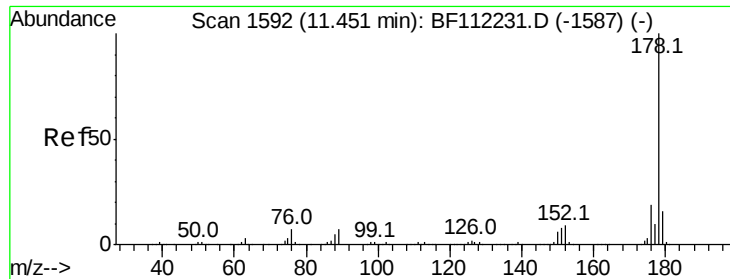
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#71
Phenanthrene
Concen: 9.007 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.6	16.3	24.5
179	15.5	13.0	19.4





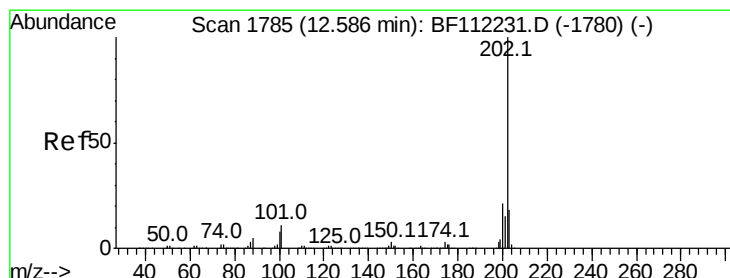
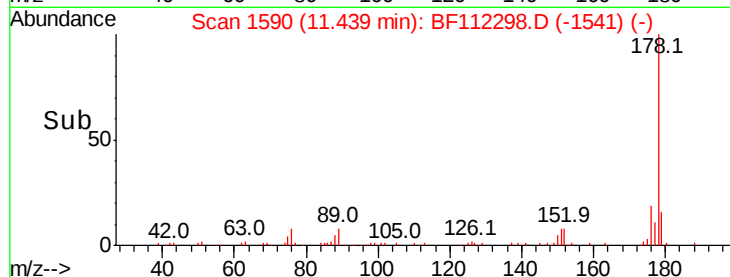
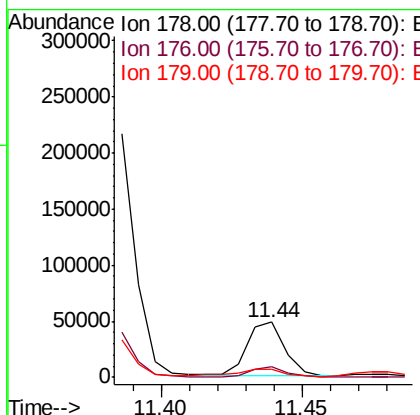
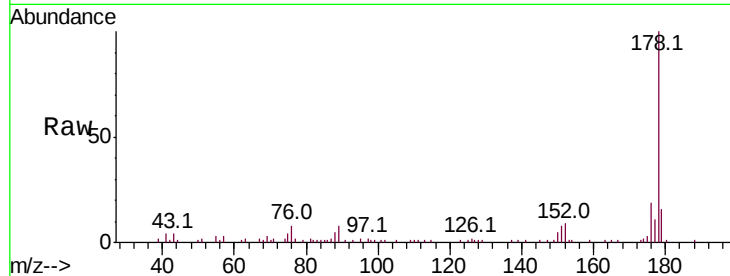
#72
 Anthracene
 Concen: 2.163 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF112298.D
 Acq: 29 Jan 2019 16:38

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-012819

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	15.8	12.8	19.2

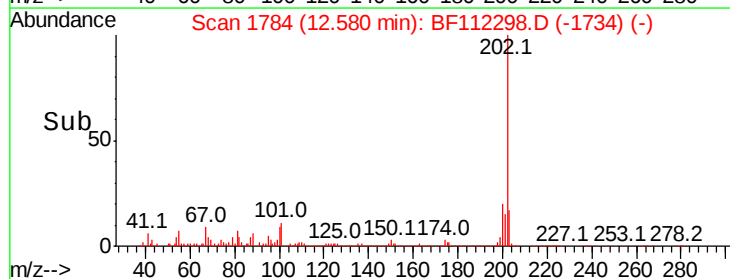
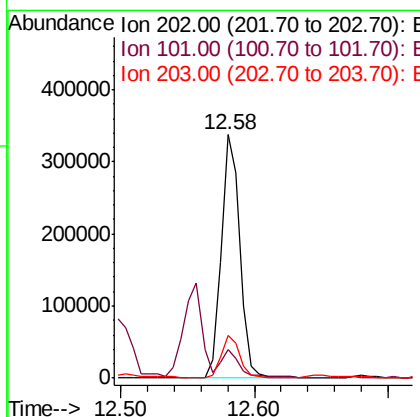
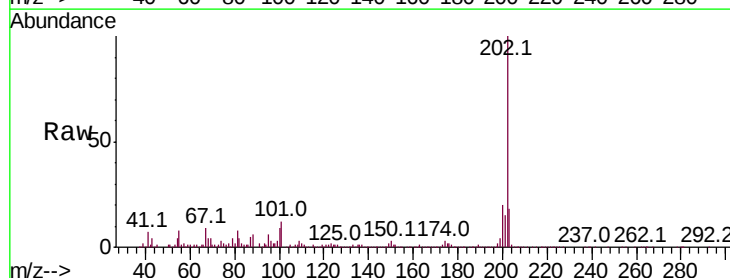
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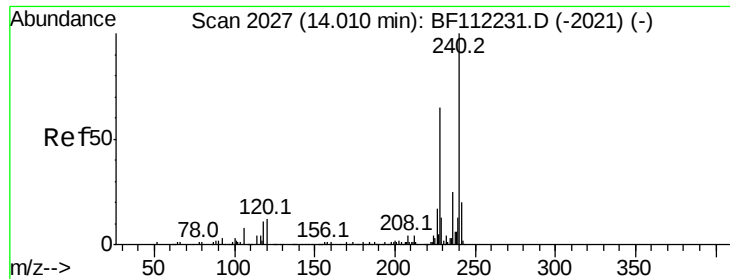
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#75
 Fluoranthene
 Concen: 15.006 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF112298.D
 Acq: 29 Jan 2019 16:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.8
203	17.6	0.0	38.4





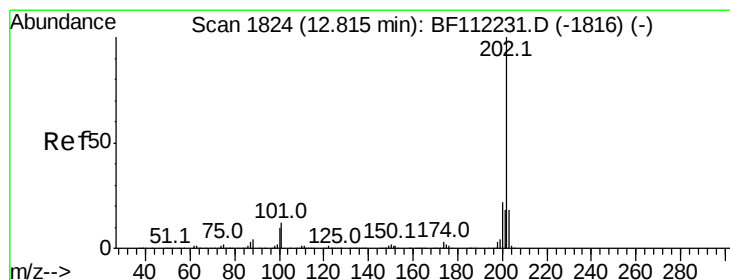
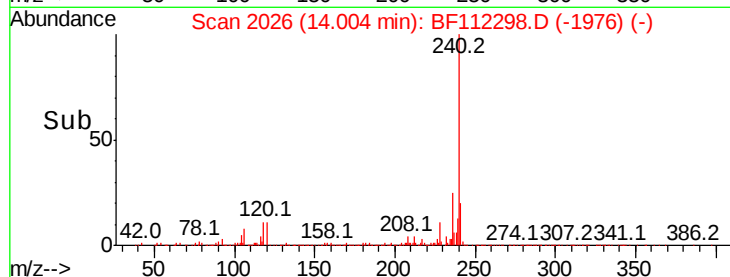
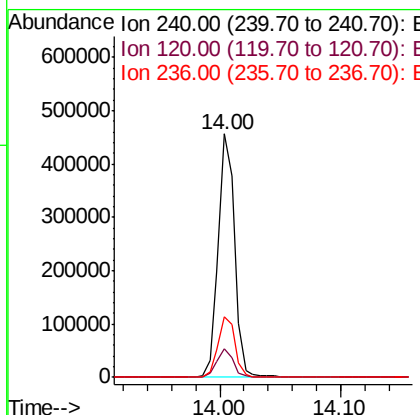
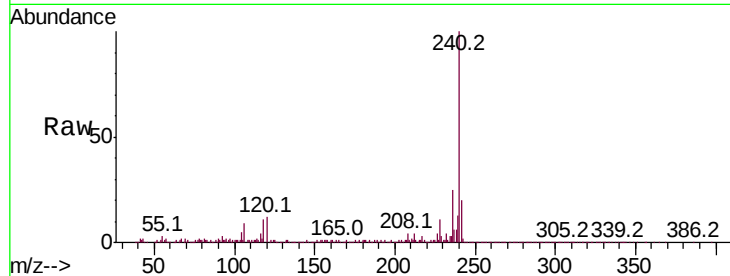
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Instrument :
BNA_F
ClientSampleId :
TR-05-012819

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.7	9.0	13.6	
236	24.8	20.7	31.1	

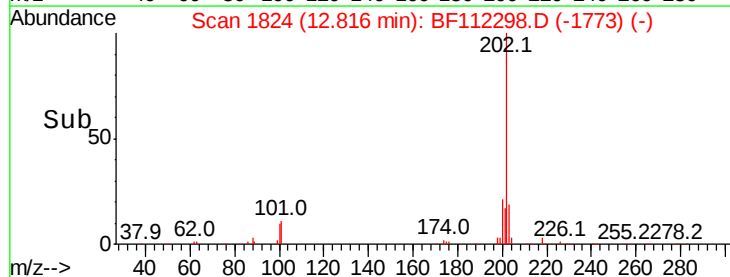
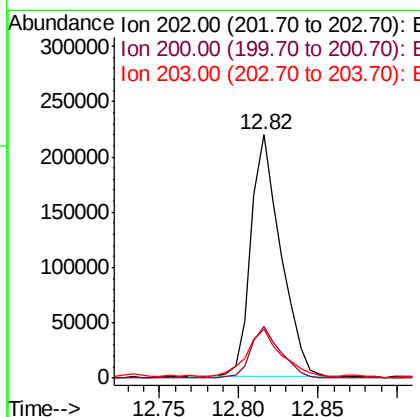
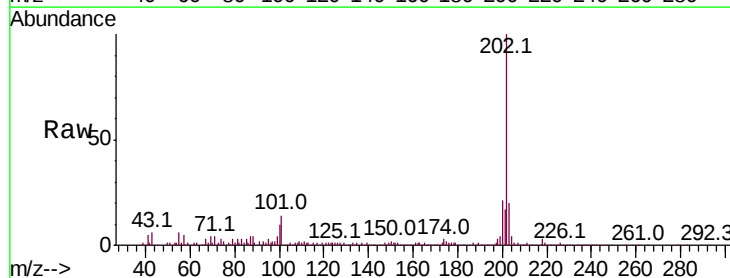
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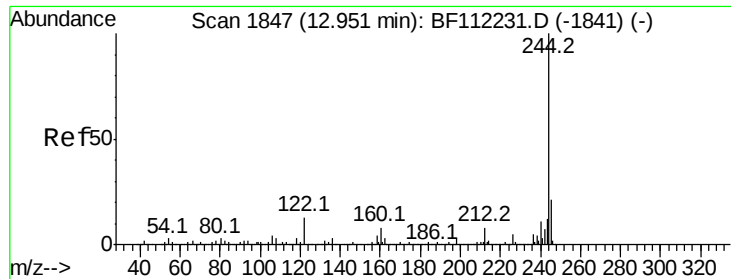
mohammad
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#78
Pyrene
Concen: 9.864 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.0	17.7	26.5	
203	20.3	14.6	22.0	





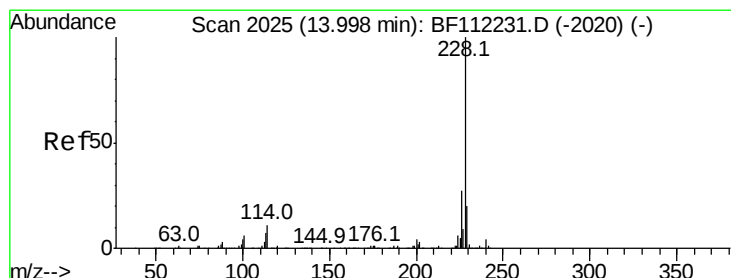
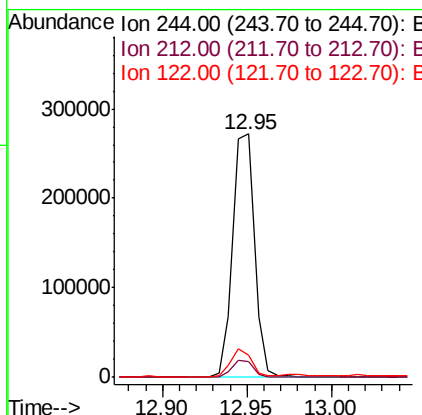
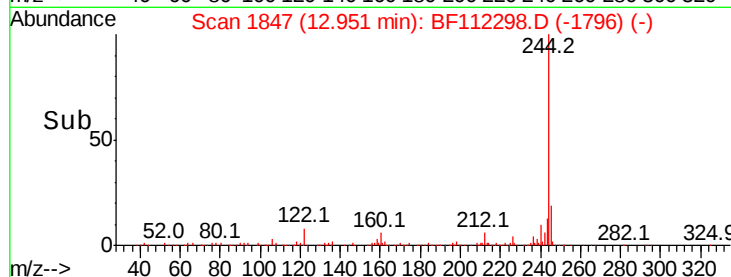
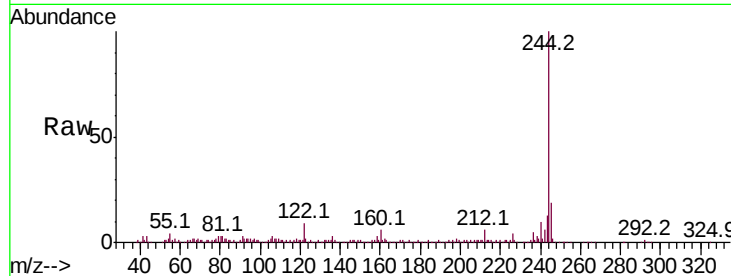
#79
 Terphenyl-d14
 Concen: 10.915 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BF112298.D
 Acq: 29 Jan 2019 16:38

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-012819

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	6.5	5.9	8.9
122	9.2	9.8	14.6

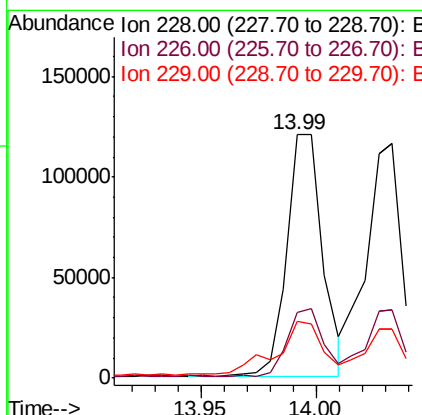
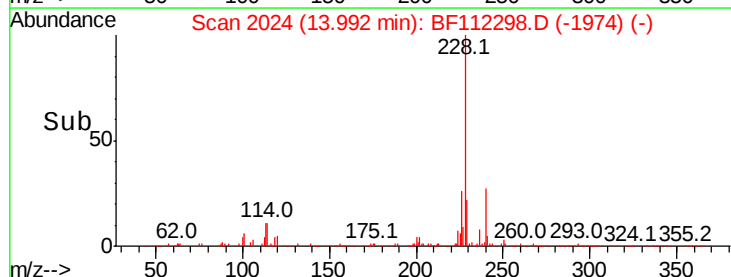
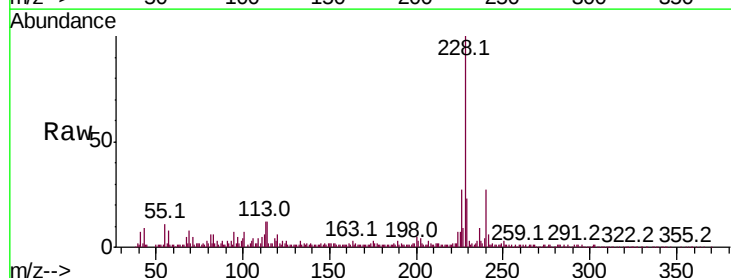
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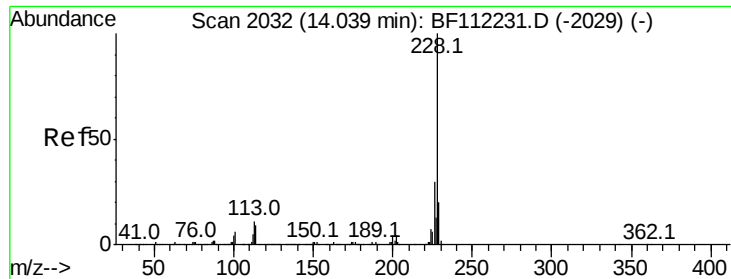
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#81
 Benzo(a)anthracene
 Concen: 5.171 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF112298.D
 Acq: 29 Jan 2019 16:38

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	27.0	22.6	34.0
229	23.1	16.5	24.7





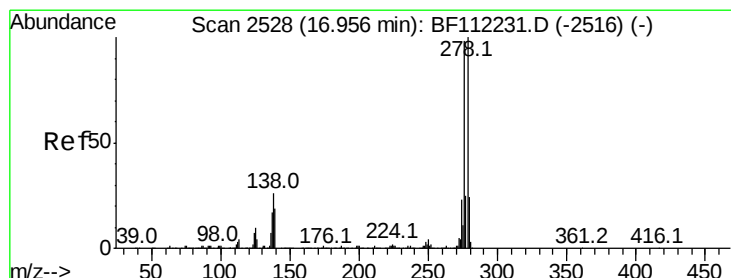
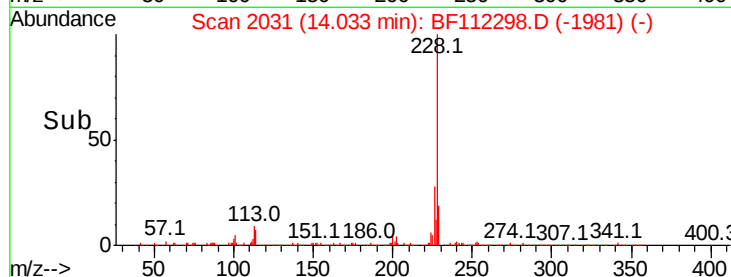
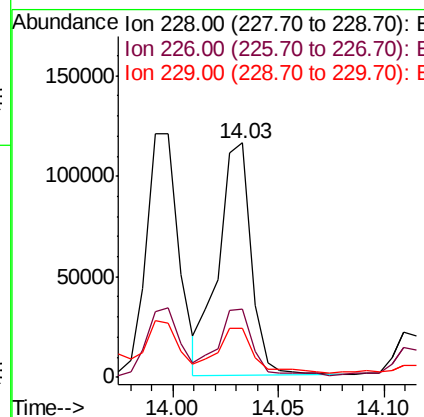
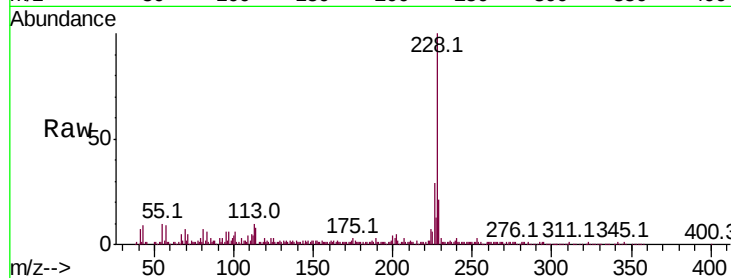
#83
Chrysene
Concen: 5.256 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Instrument :
BNA_F
ClientSampleId :
TR-05-012819

Tot Ion:	228	Resp:	124343
Ion Ratio	Lower	Upper	
228	100		
226	29.3	25.0	37.6
229	21.2	16.6	24.8

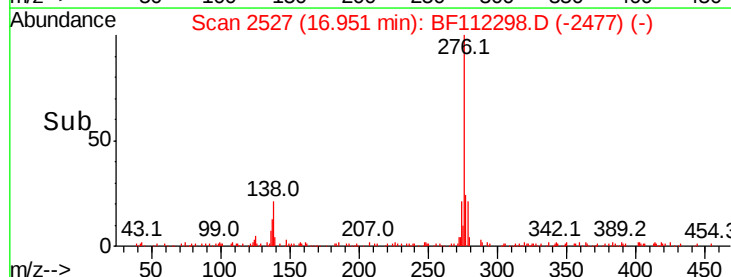
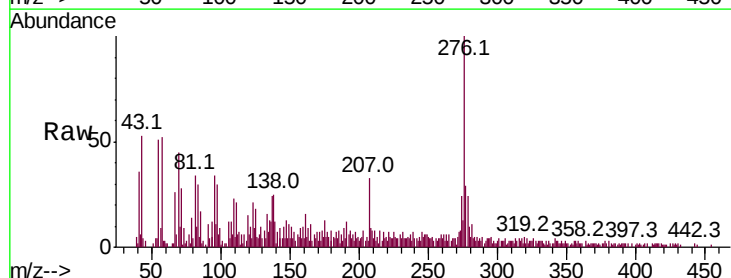
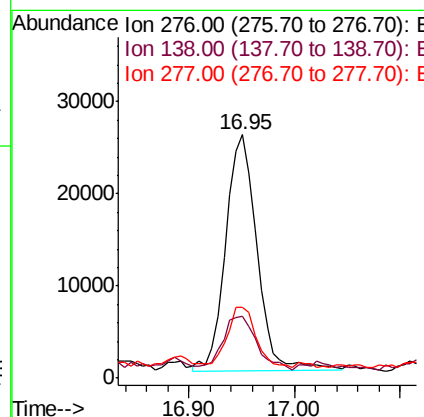
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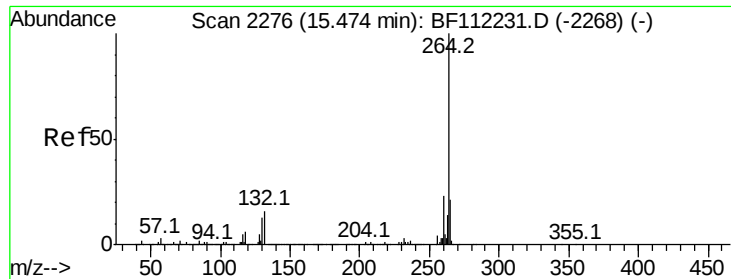
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.793 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Tgt Ion:	276	Resp:	52351
Ion Ratio	Lower	Upper	
276	100		
138	24.5	22.6	34.0
277	23.5	20.3	30.5





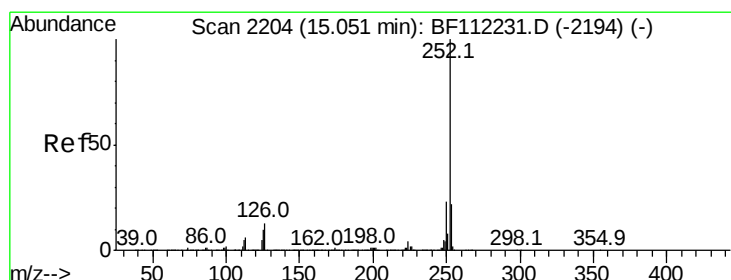
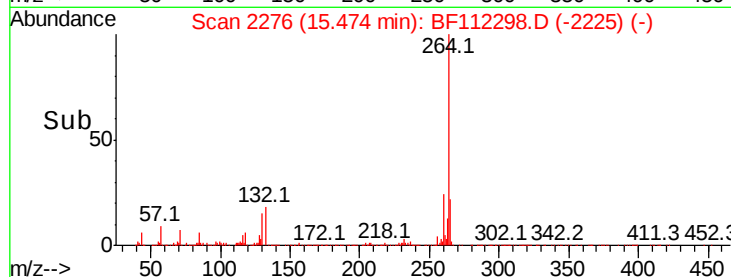
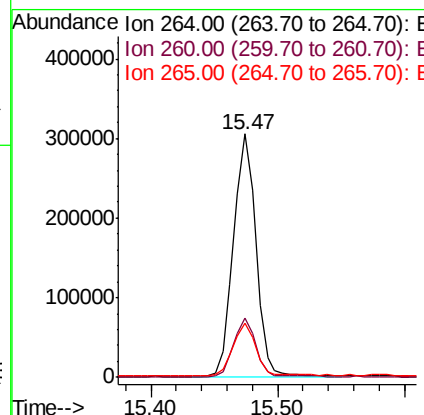
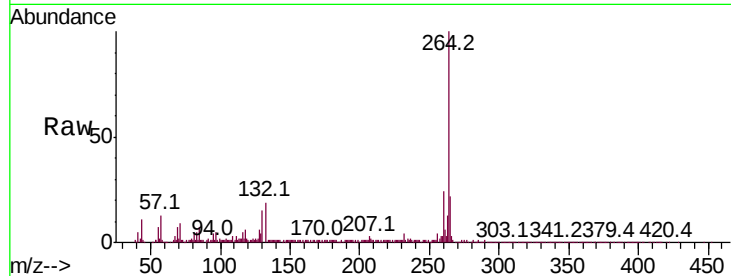
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Instrument :
BNA_F
ClientSampleId :
TR-05-012819

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.2
265	22.3	17.0	25.4

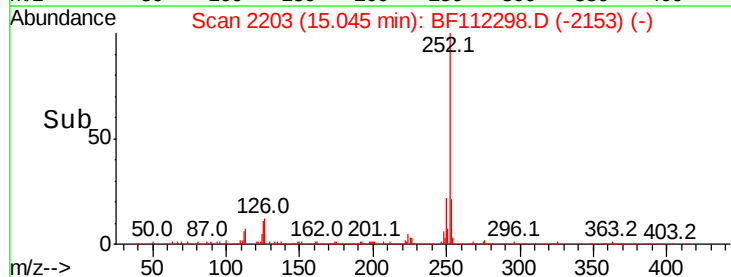
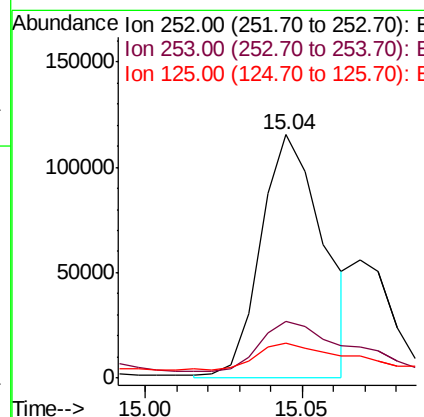
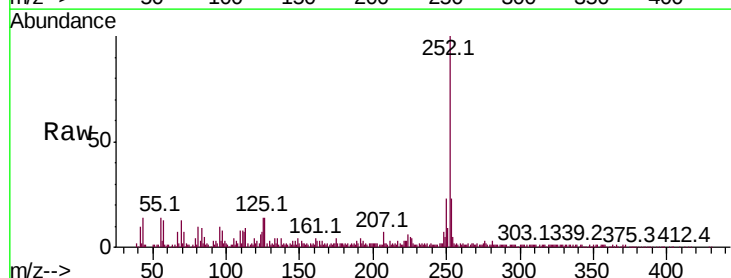
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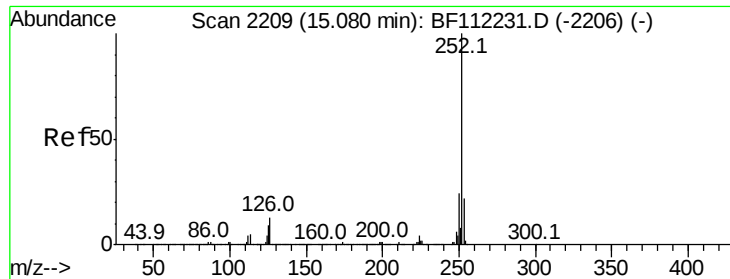
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#88
Benzo(b)fluoranthene
Concen: 7.171 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	14.1	8.7	13.1#





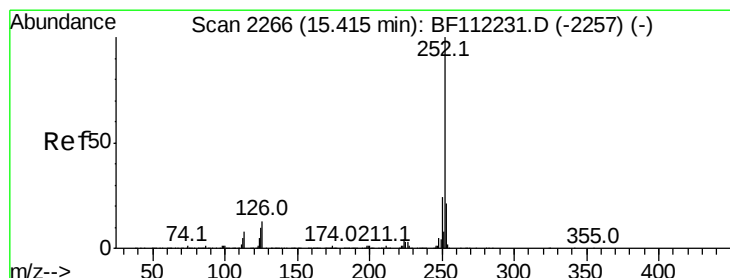
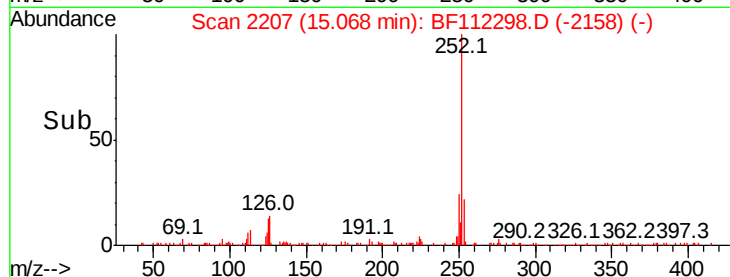
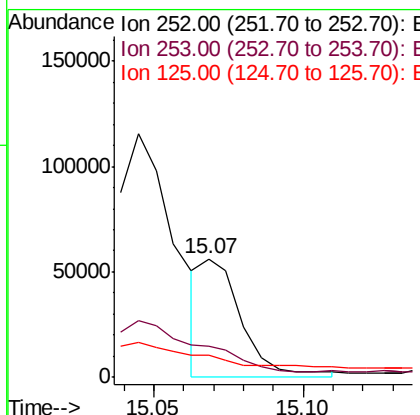
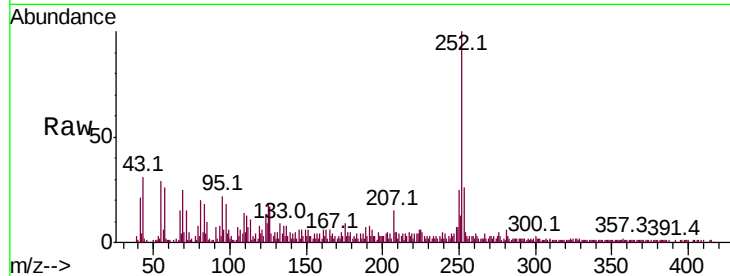
#89
Benzo(k)fluoranthene
Concen: 2.511 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Instrument :
BNA_F
ClientSampleId :
TR-05-012819

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.0	27.0
125	19.0	9.1	13.7

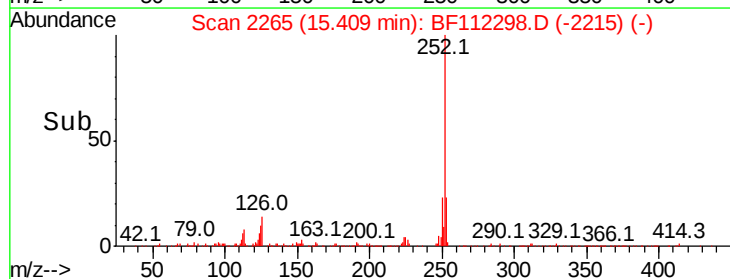
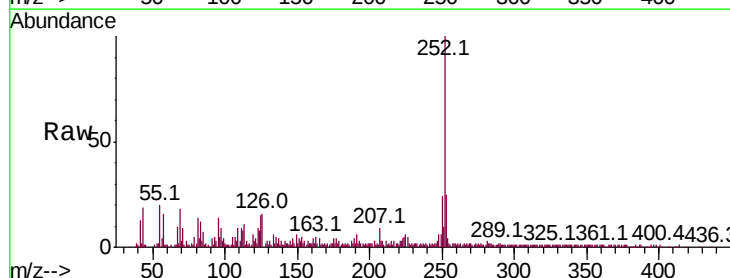
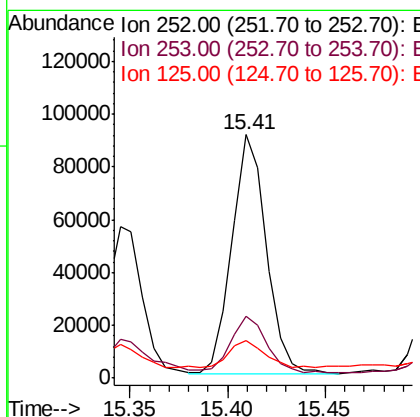
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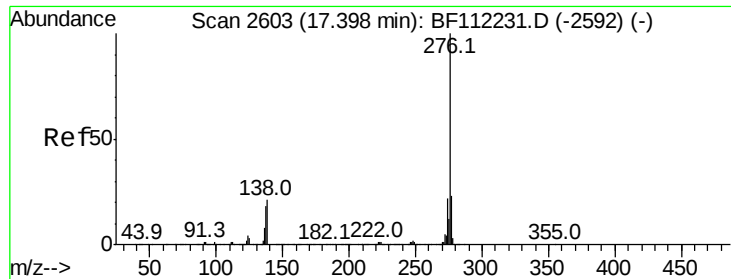
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#90
Benzo(a)pyrene
Concen: 5.554 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.5	26.3
125	15.2	9.0	13.4





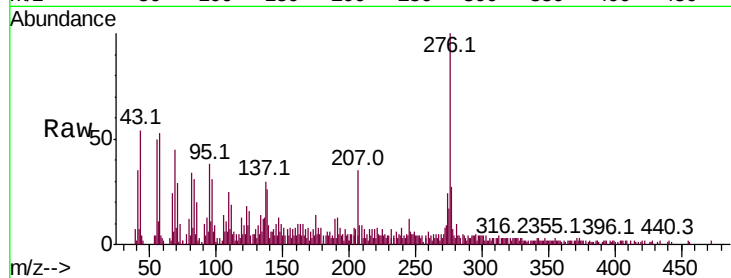
#92
 Benzo(a,h,i)perylene
 Concen: 3.371 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: BF112298.D
 Acq: 29 Jan 2019 16:38

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-012819

Tot Ion:	276	Resp:	51552
Ion Ratio	Lower	Upper	
276	100		
277	27.4	19.4	29.0
138	26.0	19.1	28.7

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

