

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032819\
 Data File : BF113397.D
 Acq On : 29 Mar 2019 3:42
 Operator : JU/SJ
 Sample : K2097-05DL 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-17DL

Manual Integrations
 APPROVED

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Quant Time: Mar 29 05:35:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	172171	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	653877	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	308264	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	543174	20.00	ng	0.00
76) Chrysene-d12	13.84	240	412182	20.00	ng	0.00
87) Perylene-d12	15.24	264	441010	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	505021	47.96	ng	0.00
7) Phenol-d6	6.35	99	671757	50.43	ng	-0.01
23) Nitrobenzene-d5	7.26	82	394788	35.84	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	182078	47.82	ng	-0.01
45) 2-Fluorobiphenyl	9.06	172	812501	29.87	ng	0.00
79) Terphenyl-d14	12.79	244	677406	36.22	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.45	163	64753	2.834	ng	Qvalue 100
71) Phenanthrene	11.23	178	134569	4.989	ng	97
72) Anthracene	11.29	178	142837	5.213	ng	98
73) Carbazole	11.45	167	110080	4.211	ng	98
75) Fluoranthene	12.42	202	1000855	32.822	ng	99
78) Pyrene	12.64	202	903547	31.634	ng	99
81) Benzo(a)anthracene	13.83	228	423714	17.959	ng	93
83) Chrysene	13.87	228	1125246	46.954	ng	98
86) Indeno(1,2,3-cd)pyrene	16.60	276	345120	16.780	ng	97
88) Benzo(b)fluoranthene	14.86	252	1508675m	55.070	ng	
89) Benzo(k)fluoranthene	14.87	252	494284m	20.545	ng	
90) Benzo(a)pyrene	15.19	252	363586	14.970	ng	94
91) Dibenzo(a,h)anthracene	16.60	278	82194	3.914	ng	# 78
92) Benzo(a,h,i)perylene	17.00	276	299278	14.134	ng	99

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

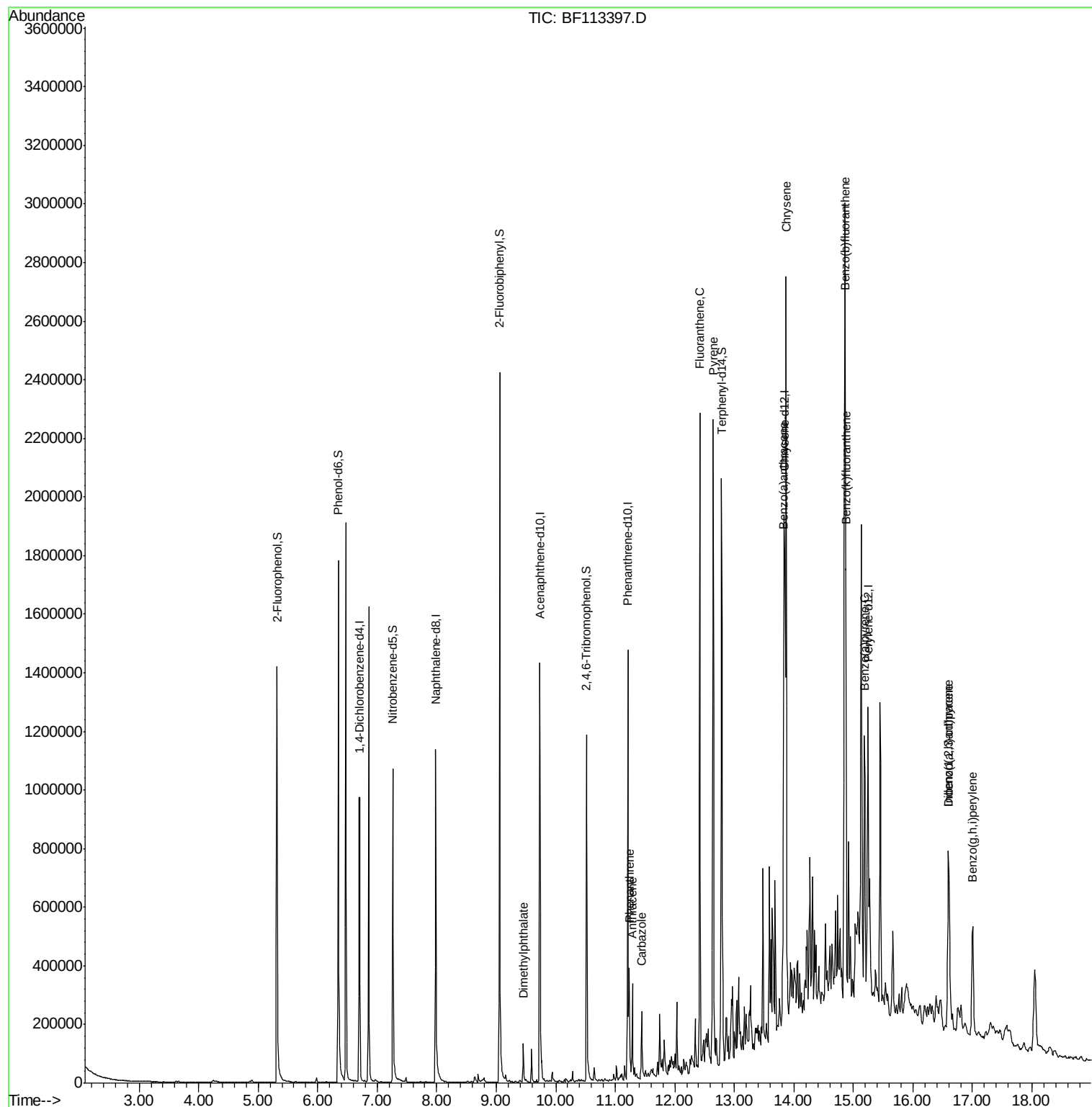
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032819\
Data File : BF113397.D
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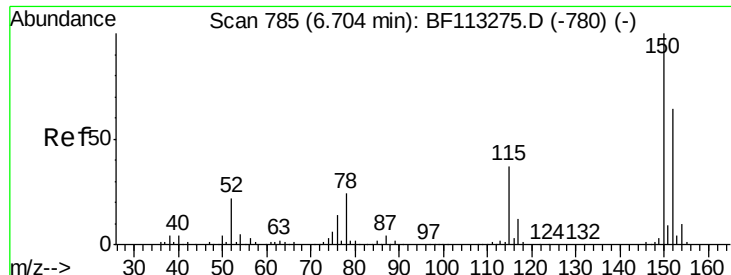
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
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#1

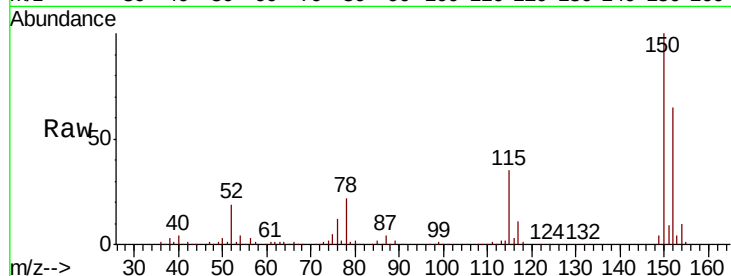
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113397.D
Acq: 29 Mar 2019 3:42

Instrument :
BNA_F
ClientSampleId :
CS-17DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.7	187.1
115	54.0	46.0	69.0

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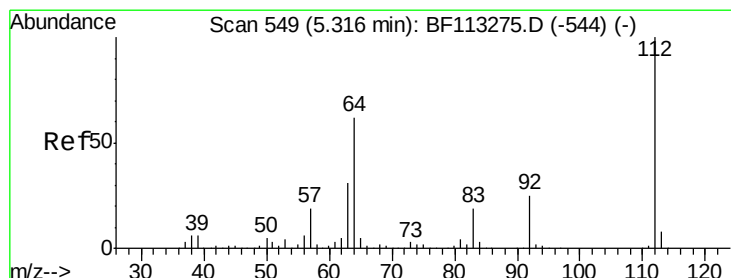
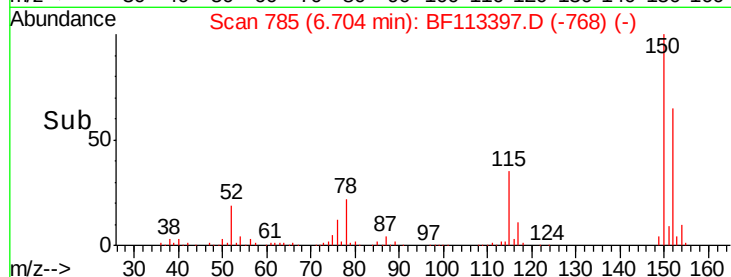
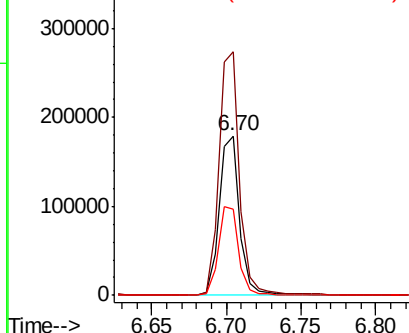


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

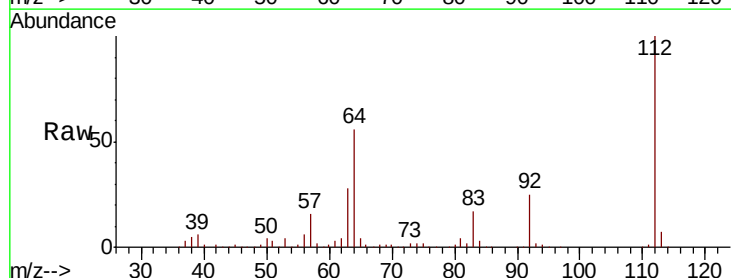
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.962 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF113397.D
Acq: 29 Mar 2019 3:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	49.2	73.8
63	27.7	24.9	37.3

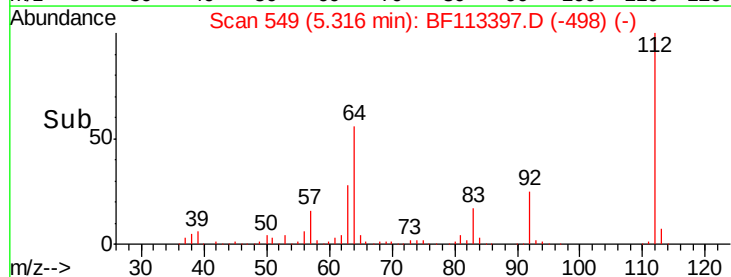
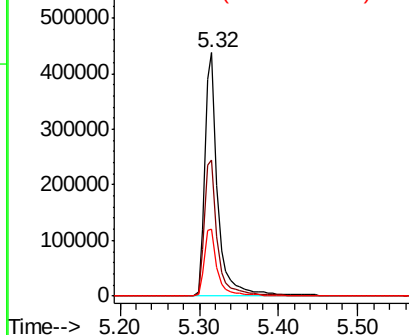


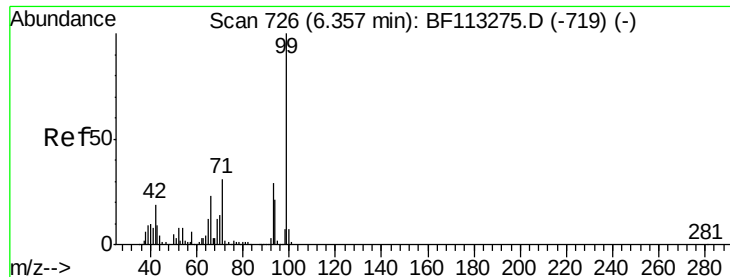
Abundance

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: 50.430 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113397.D

Acq: 29 Mar 2019 3:42

Instrument :

BNA_F

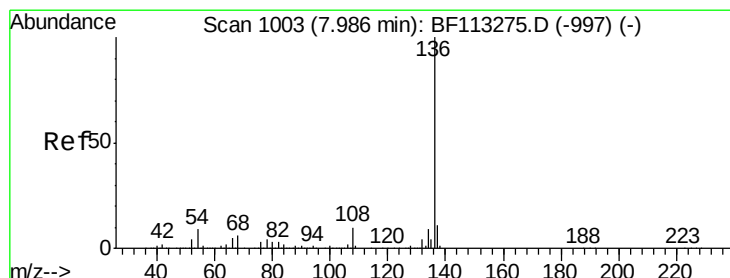
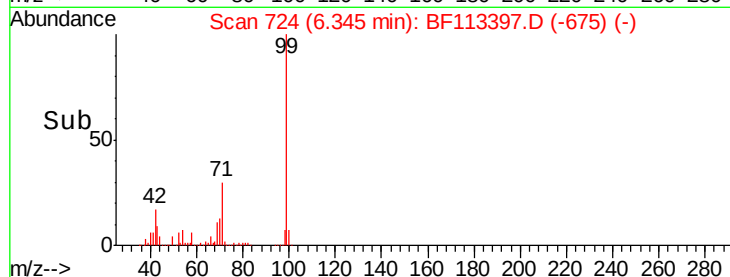
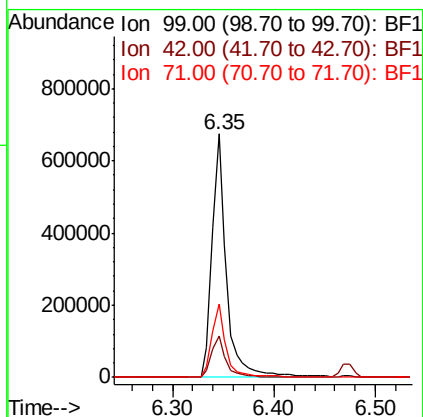
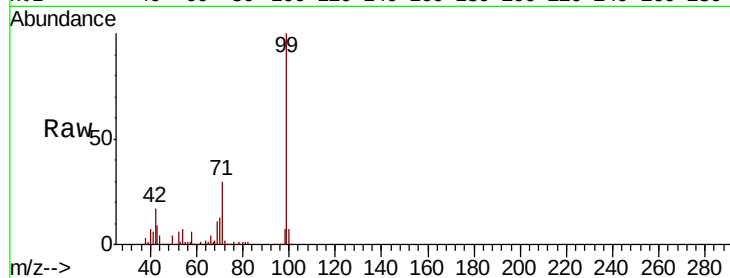
ClientSampleId :

CS-17DL

Tot Ion:	99	Resp:	671757
Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.8	22.2
71	29.9	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

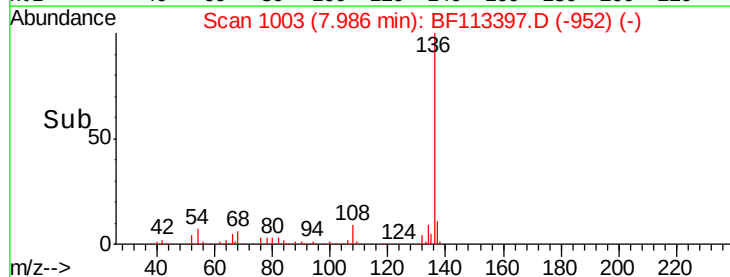
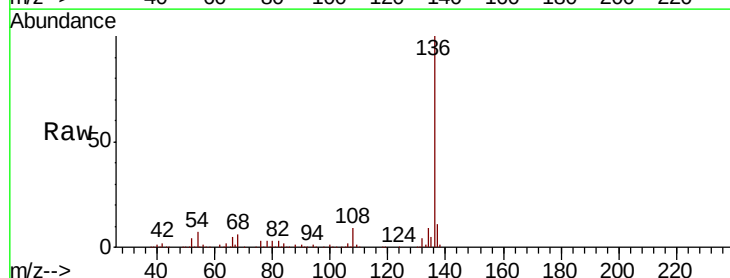
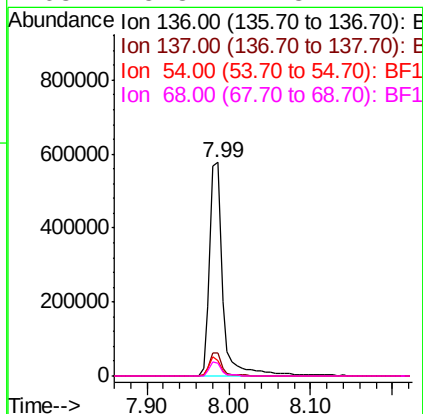
RT: 7.99 min Scan# 1003

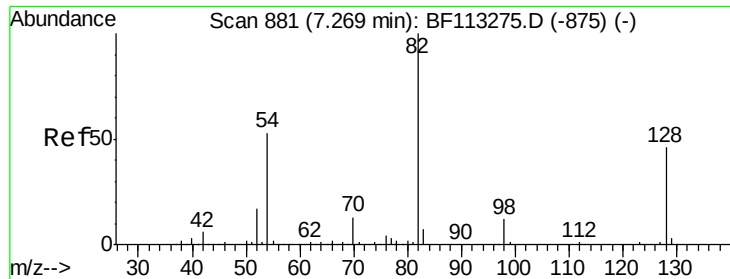
Delta R.T. -0.00 min

Lab File: BF113397.D

Acq: 29 Mar 2019 3:42

Tgt Ion:	136	Resp:	653877
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.2	7.0	10.6
68	5.8	4.8	7.2





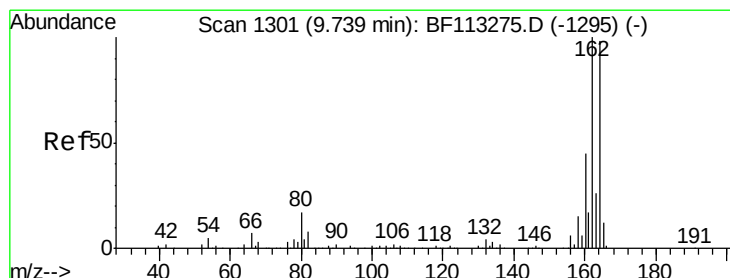
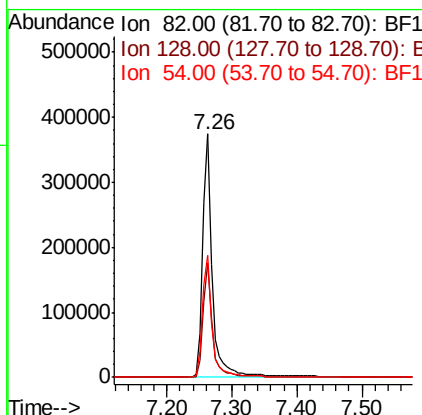
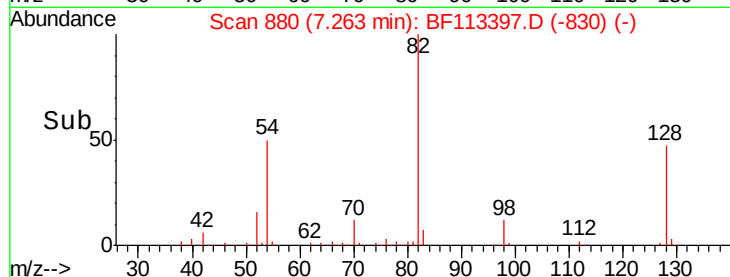
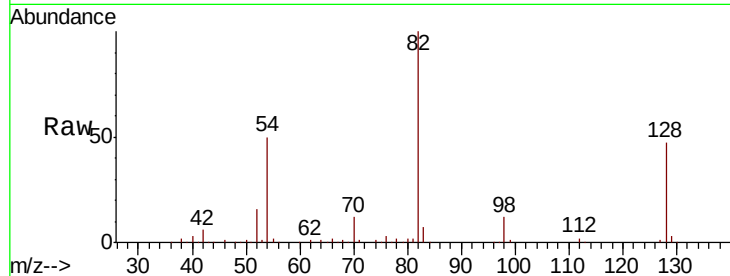
#23
Nitrobenzene-d5
Concen: 35.836 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113397.D
Acq: 29 Mar 2019 3:42

Instrument :
BNA_F
ClientSampled :
CS-17DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.5	54.7
54	50.1	42.2	63.2

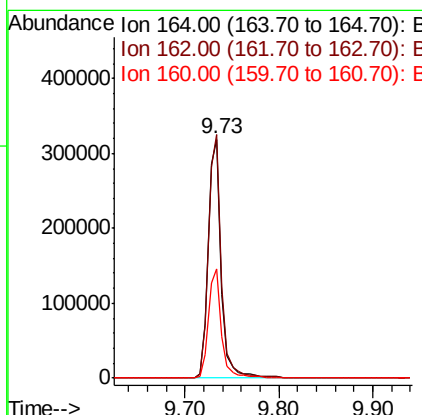
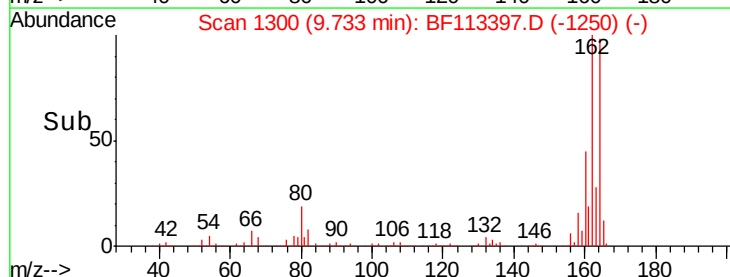
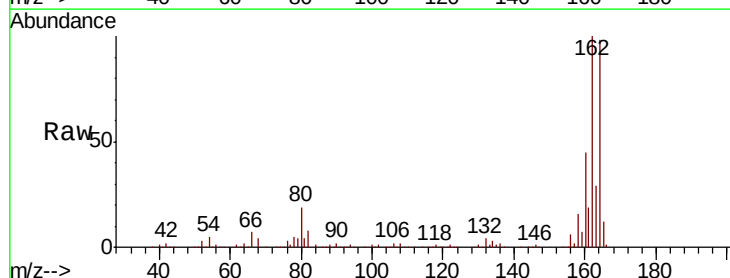
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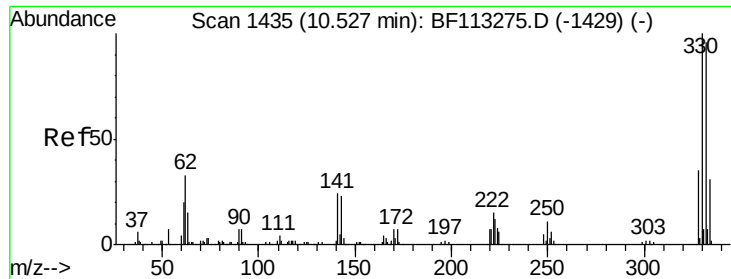
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113397.D
Acq: 29 Mar 2019 3:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.8	122.6
160	45.9	36.4	54.6





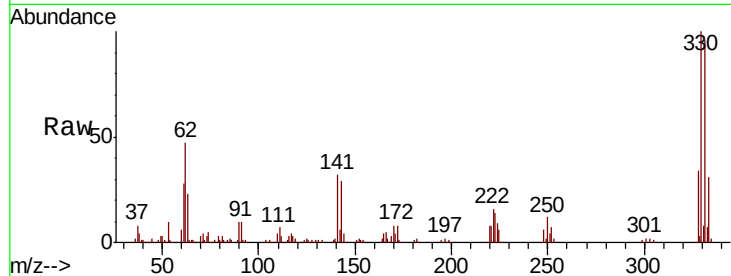
#42
 2,4,6-Tribromophenol
 Concen: 47.818 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF113397.D
 Acq: 29 Mar 2019 3:42

Instrument :
 BNA_F
 ClientSampled :
 CS-17DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.8	116.6
141	28.3	22.7	34.1

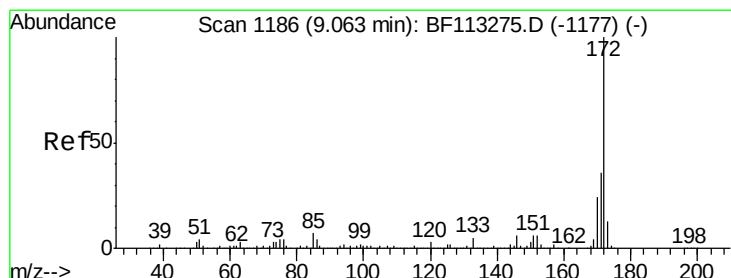
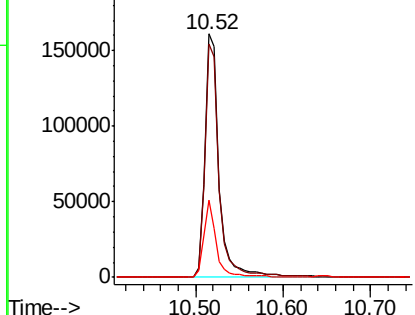
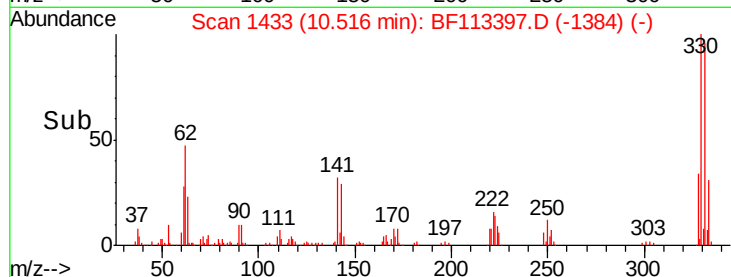
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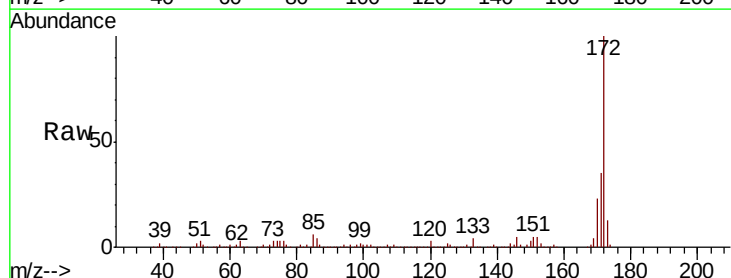
Abundance

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



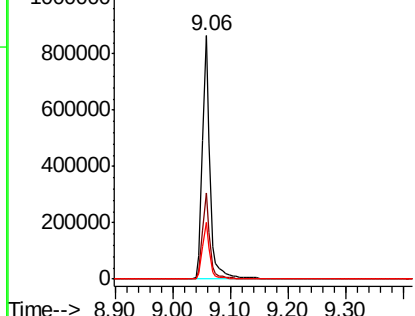
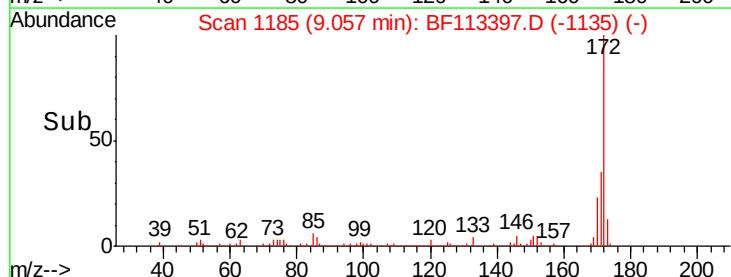
#45
 2-Fluorobiphenyl
 Concen: 29.873 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF113397.D
 Acq: 29 Mar 2019 3:42

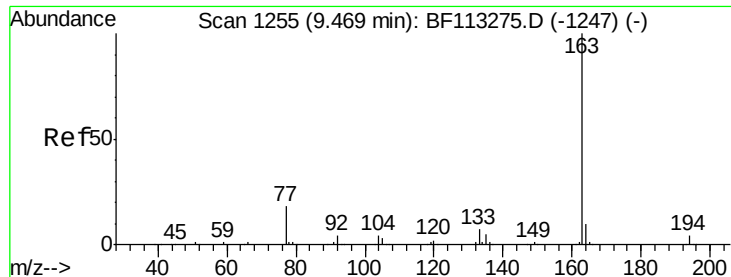
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.6
170	23.5	19.5	29.3



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





#50

Dimethylphthalate

Concen: 2.834 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF113397.D

Acq: 29 Mar 2019 3:42

Instrument :

BNA_F

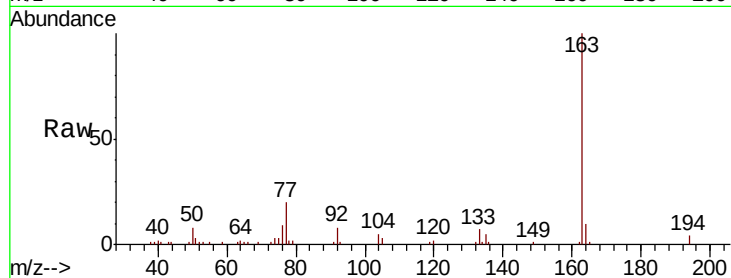
ClientSampleId :

CS-17DL

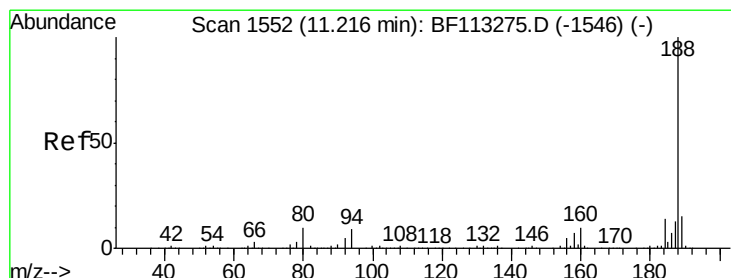
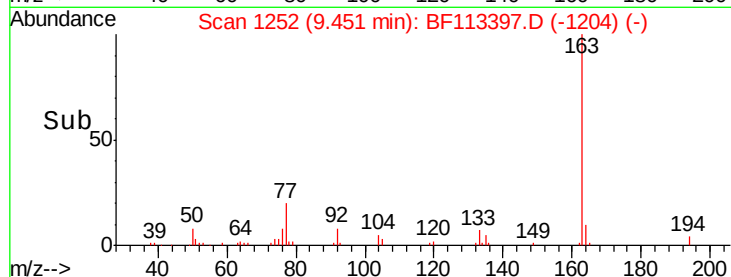
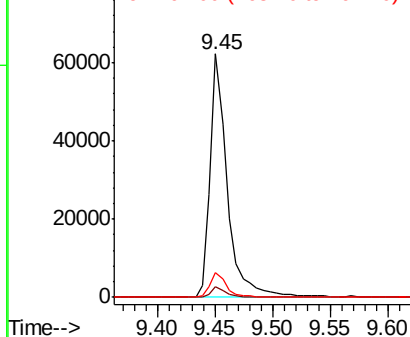
Tot Ion:	163	Resp:	64753
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.0	4.6
164	10.0	8.1	12.1

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

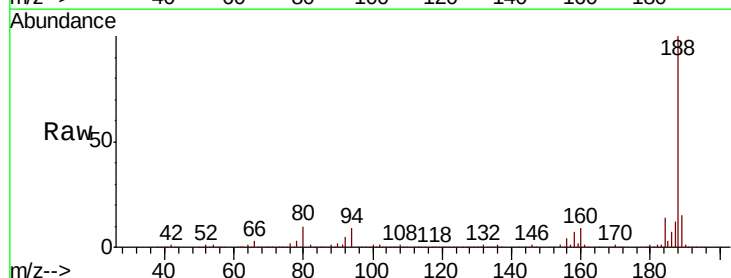
RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

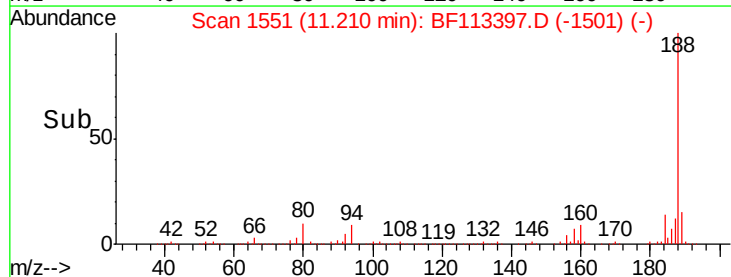
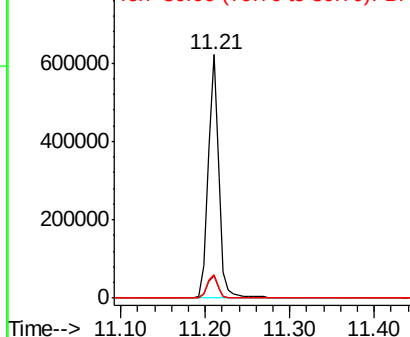
Lab File: BF113397.D

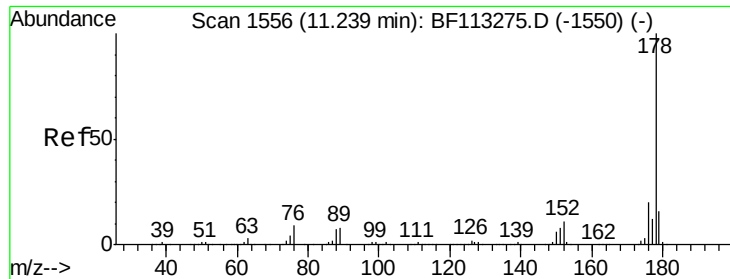
Acq: 29 Mar 2019 3:42

Tgt Ion:	188	Resp:	543174
Ion Ratio	Lower	Upper	
188	100		
94	9.3	7.0	10.6
80	9.7	7.7	11.5



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





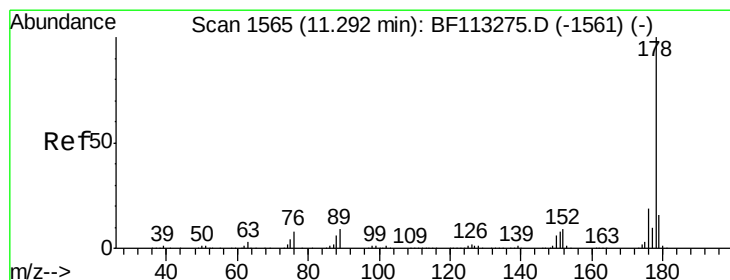
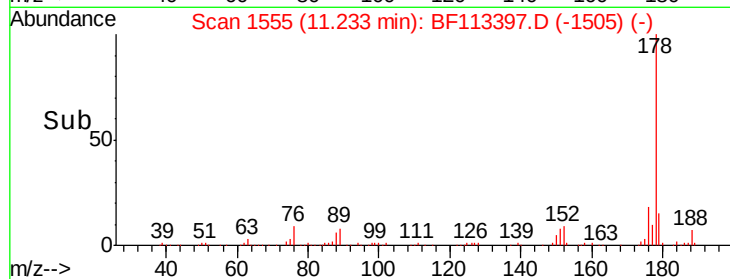
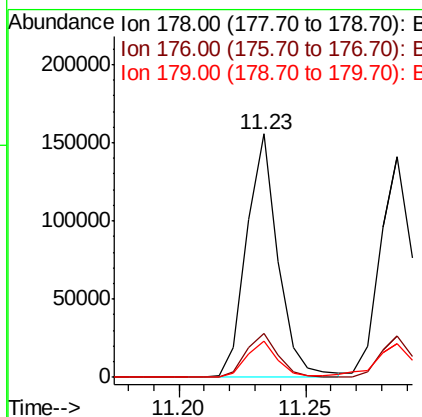
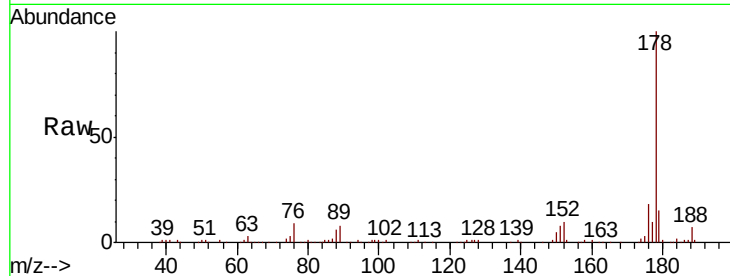
#71
 Phenanthrene
 Concen: 4.989 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF113397.D
 Acq: 29 Mar 2019 3:42

Instrument :
 BNA_F
 ClientSampleId :
 CS-17DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.2	24.2
179	15.1	12.7	19.1

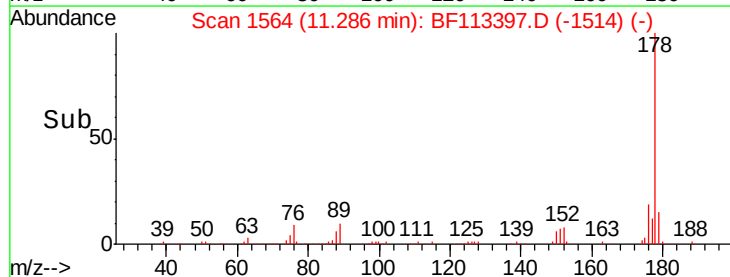
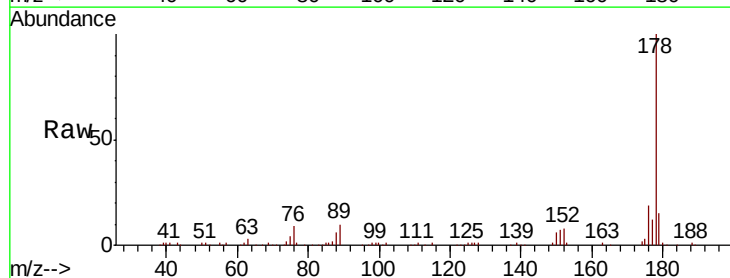
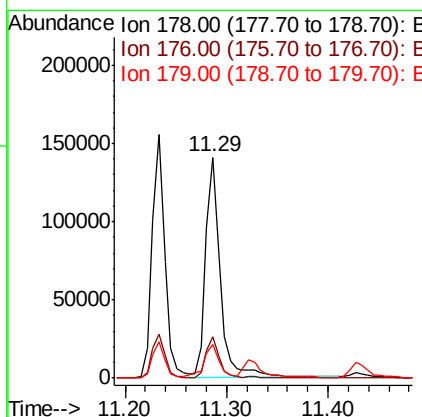
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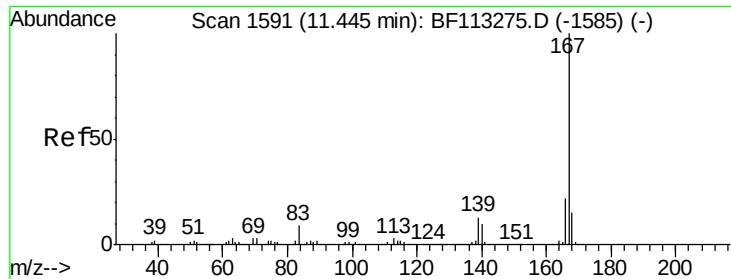
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#72
 Anthracene
 Concen: 5.213 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF113397.D
 Acq: 29 Mar 2019 3:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.1	12.8	19.2





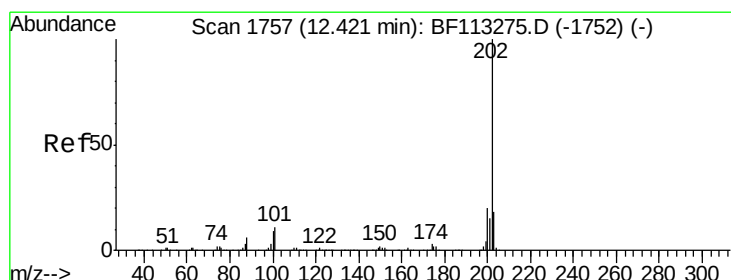
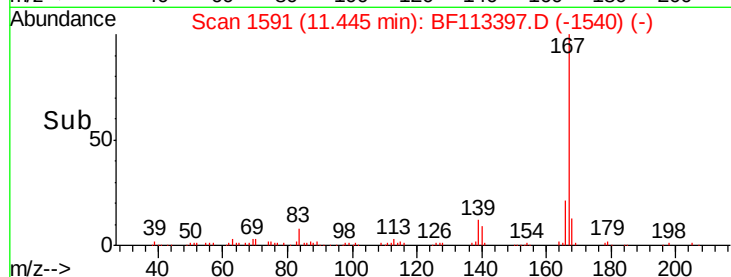
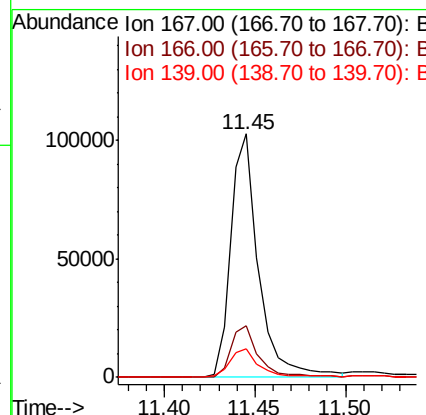
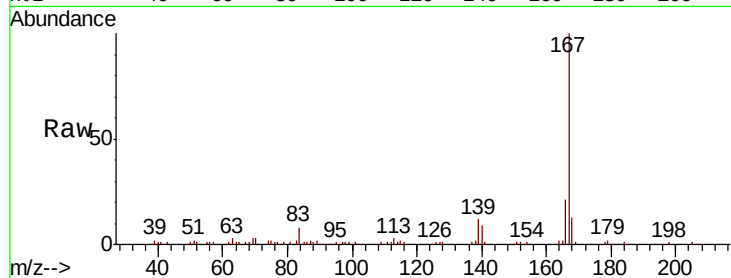
#73
 Carbazole
 Concen: 4.211 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: BF113397.D
 Acq: 29 Mar 2019 3:42

Instrument :
 BNA_F
 ClientSampled :
 CS-17DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.4	26.0
139	11.7	10.4	15.6

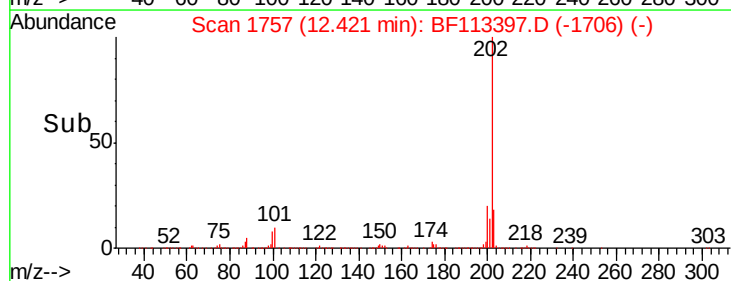
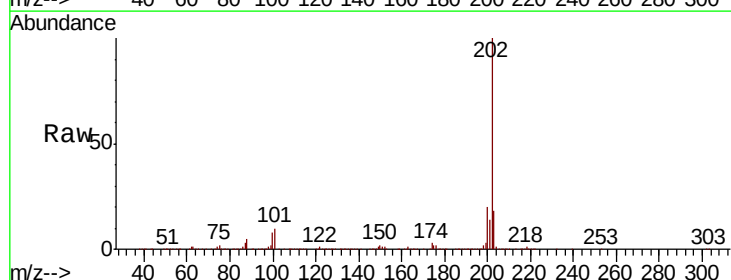
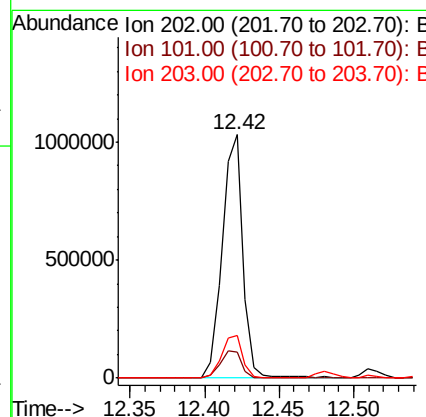
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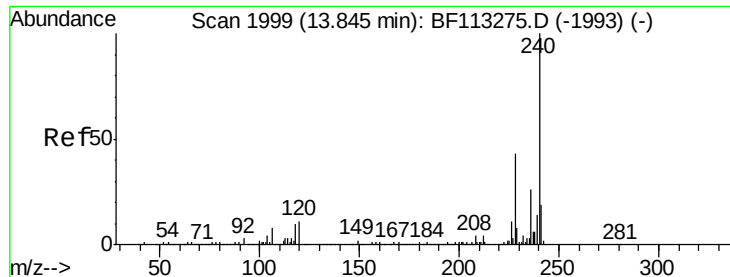
Sohil
 3/29/2019 4:47:28 PM



#75
 Fluoranthene
 Concen: 32.822 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: BF113397.D
 Acq: 29 Mar 2019 3:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.4
203	17.7	0.0	38.0





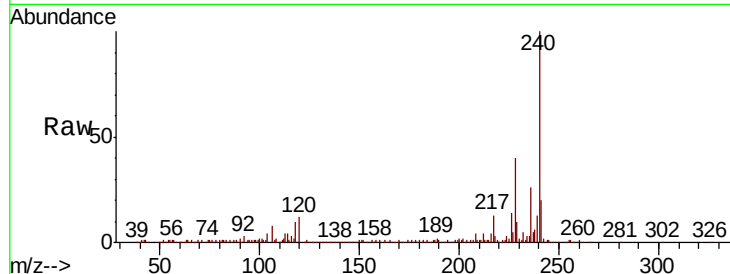
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113397.D
Acq: 29 Mar 2019 3:42

Instrument :
BNA_F
ClientSampled :
CS-17DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.8	13.2
236	25.6	20.9	31.3

Manual Integrations
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3/29/2019 4:47:28 PM

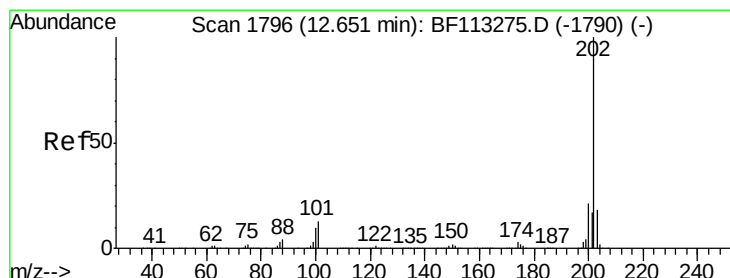
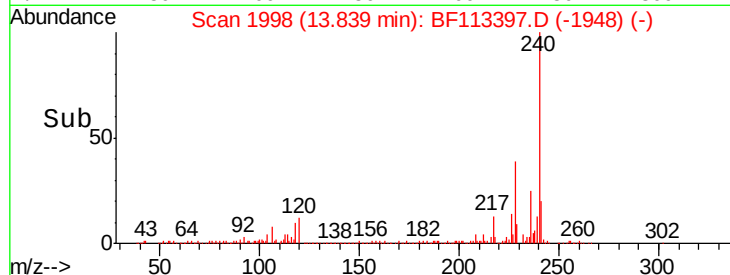
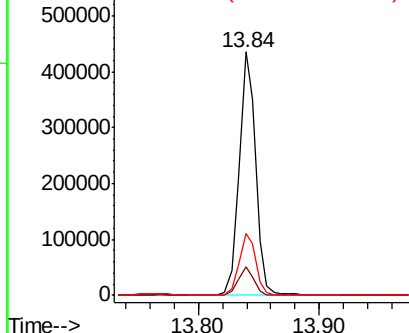


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 31.634 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113397.D
Acq: 29 Mar 2019 3:42

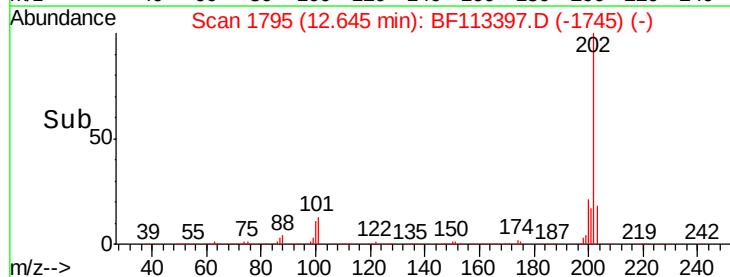
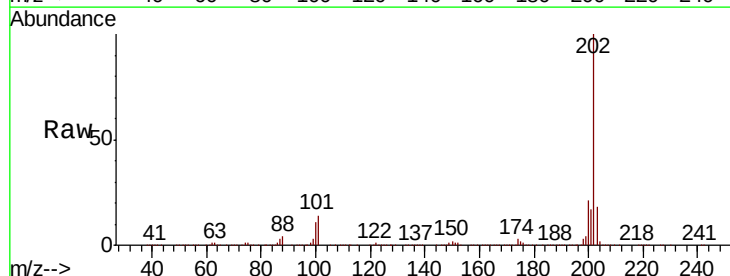
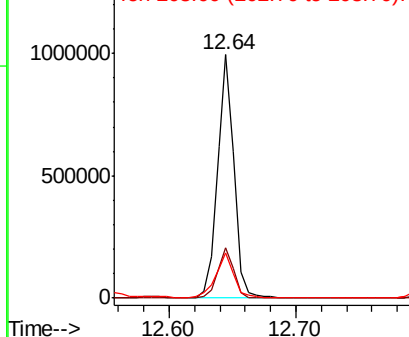
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	18.4	14.4	21.6

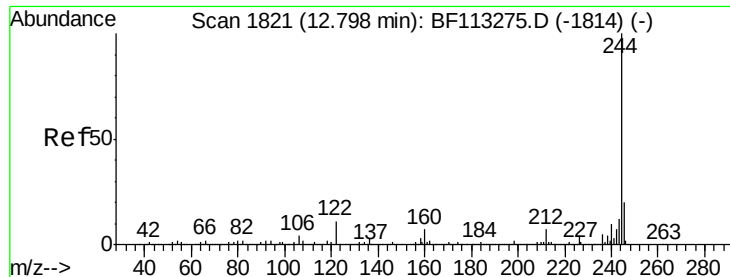
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





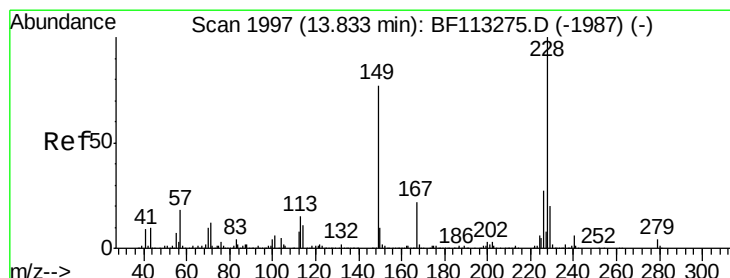
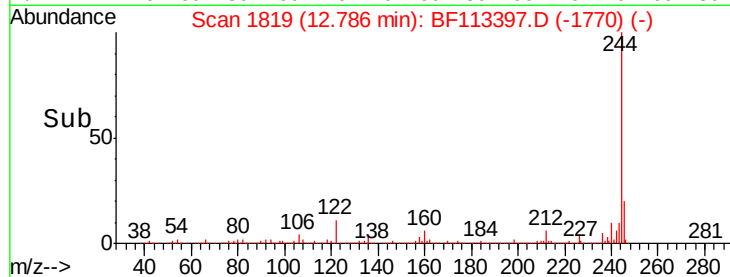
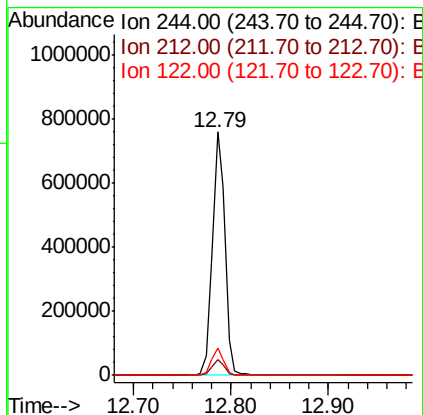
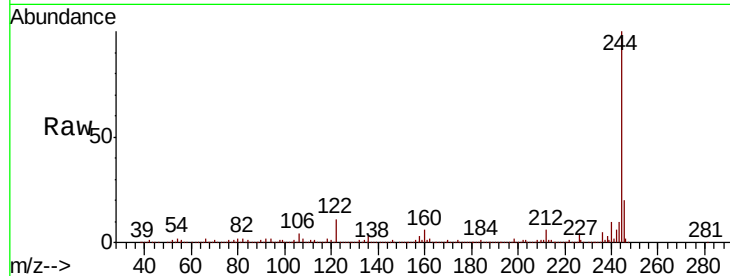
#79
 Terphenyl-d14
 Concen: 36.225 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF113397.D
 Acq: 29 Mar 2019 3:42

Instrument :
 BNA_F
 ClientSampled :
 CS-17DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.5	8.3
122	11.2	8.6	13.0

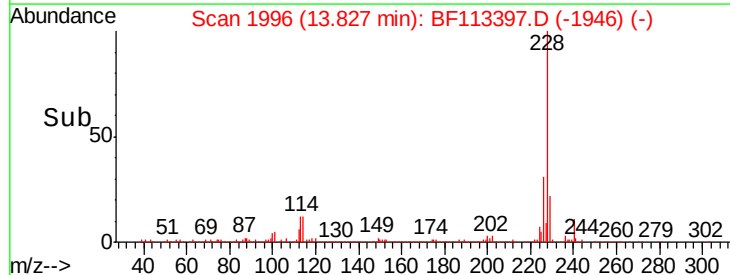
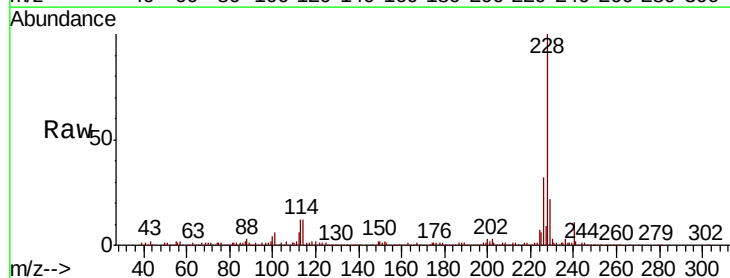
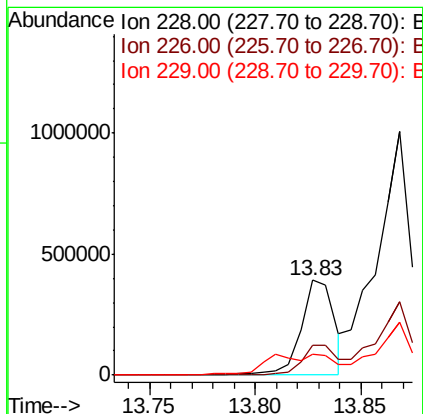
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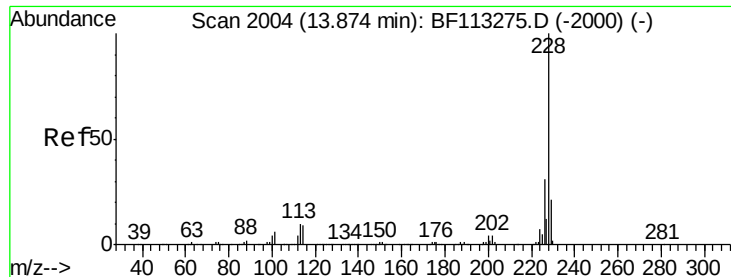
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 3/29/2019 4:47:28 PM



#81
 Benzo(a)anthracene
 Concen: 17.959 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF113397.D
 Acq: 29 Mar 2019 3:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	21.8	32.8
229	22.2	16.2	24.4





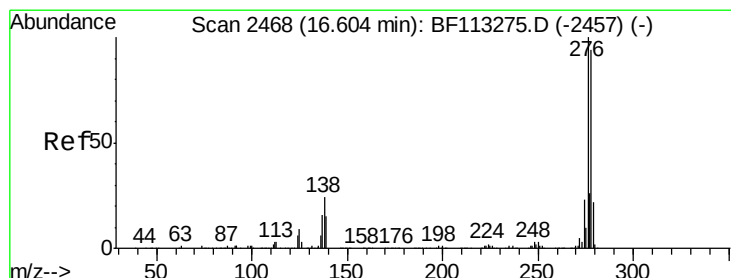
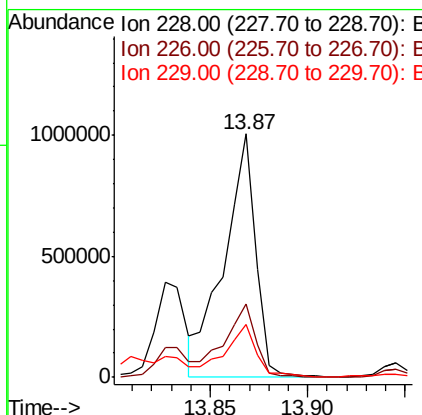
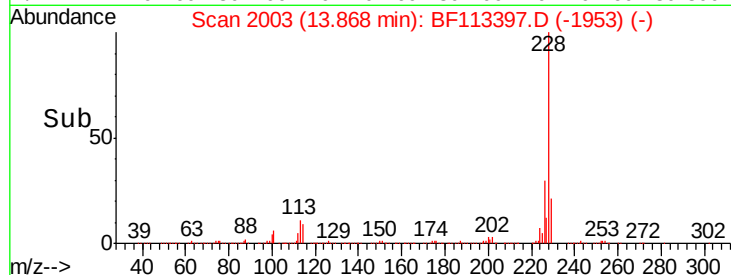
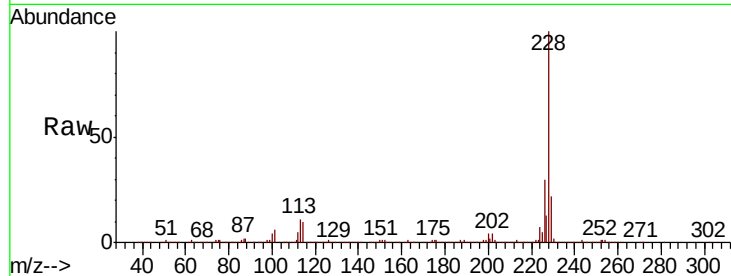
#83
Chrysene
Concen: 46.954 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF113397.D
Acq: 29 Mar 2019 3:42

Instrument :
BNA_F
ClientSampled :
CS-17DL

Tot Ion:228 Resp: 1125246
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 21.7 16.3 24.5

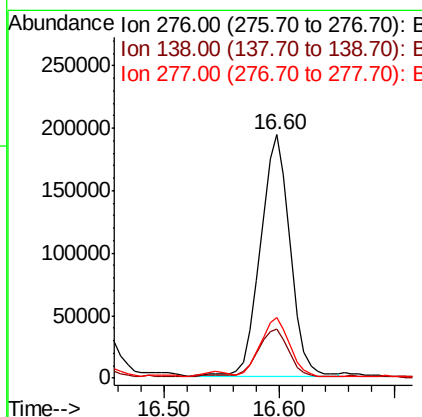
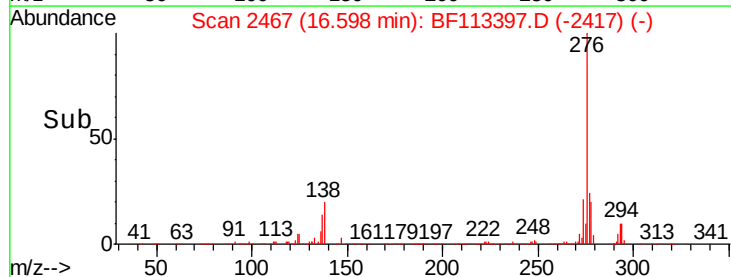
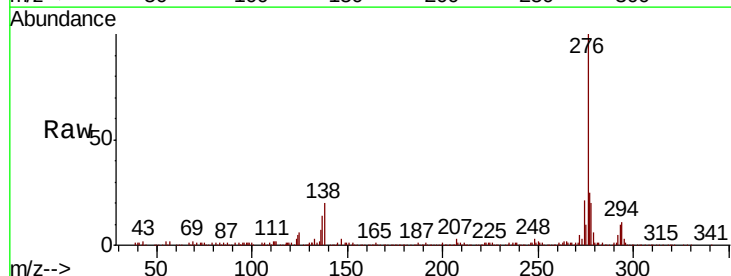
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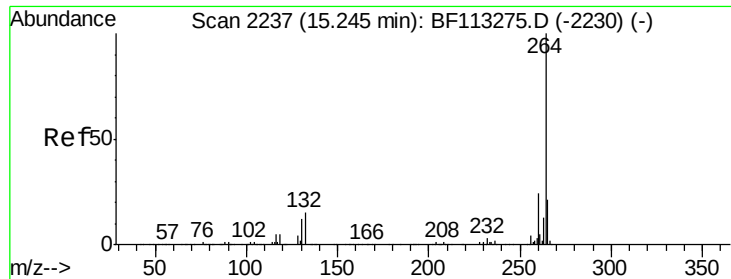
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3/29/2019 4:47:28 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 16.780 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113397.D
Acq: 29 Mar 2019 3:42

Tgt Ion:276 Resp: 345120
Ion Ratio Lower Upper
276 100
138 20.6 18.1 27.1
277 23.9 20.2 30.4





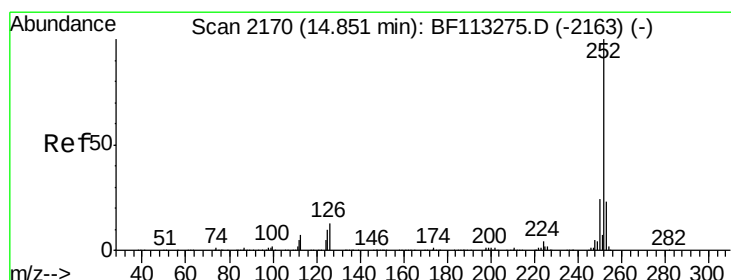
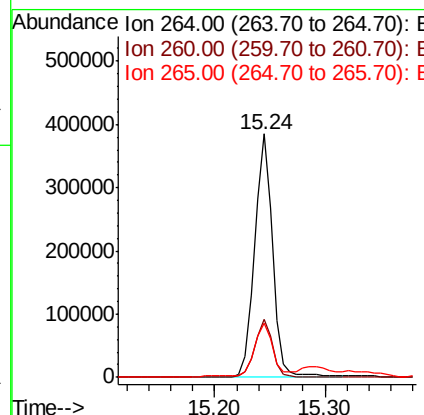
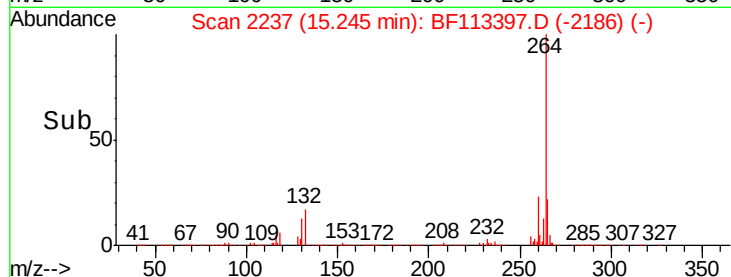
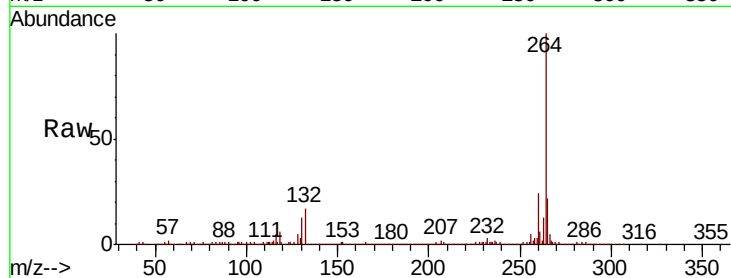
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. 0.00 min
 Lab File: BF113397.D
 Acq: 29 Mar 2019 3:42

Instrument :
 BNA_F
 ClientSampled :
 CS-17DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	22.5	17.1	25.7

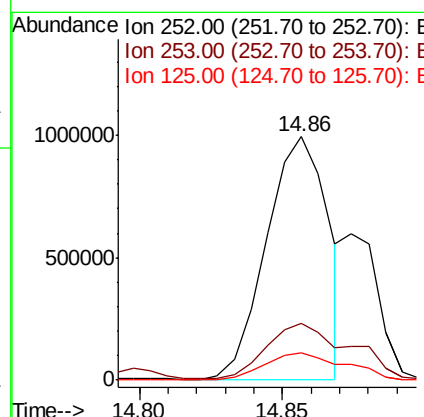
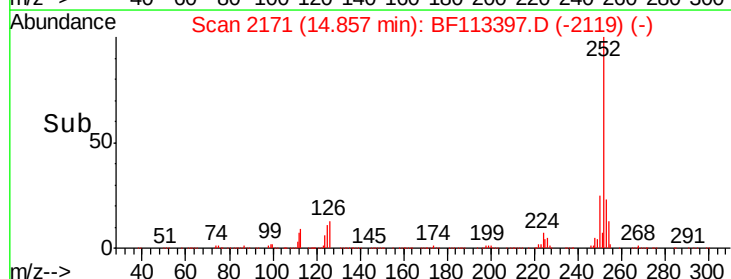
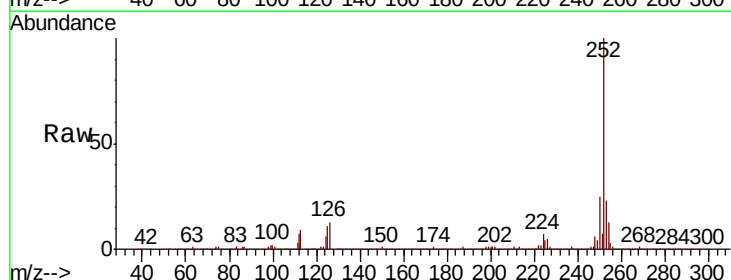
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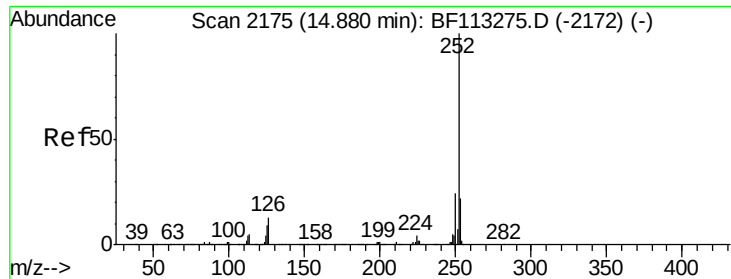
Sohil
 3/29/2019 4:47:28 PM



#88
 Benzo(b)fluoranthene
 Concen: 55.070 ng m
 RT: 14.86 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: BF113397.D
 Acq: 29 Mar 2019 3:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	11.4	7.6	11.4





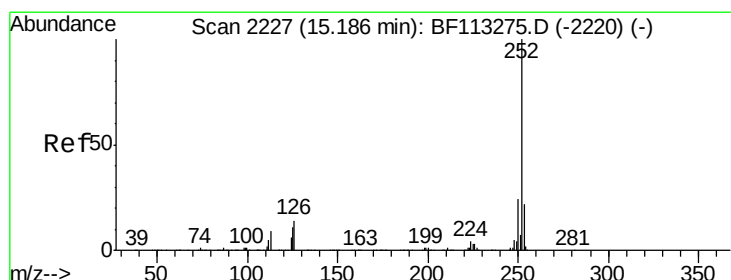
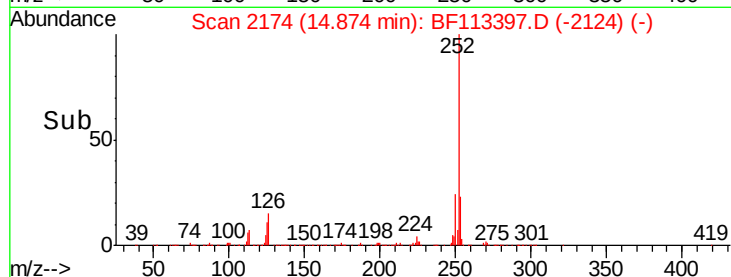
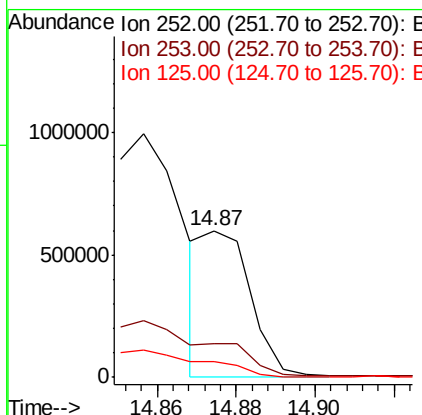
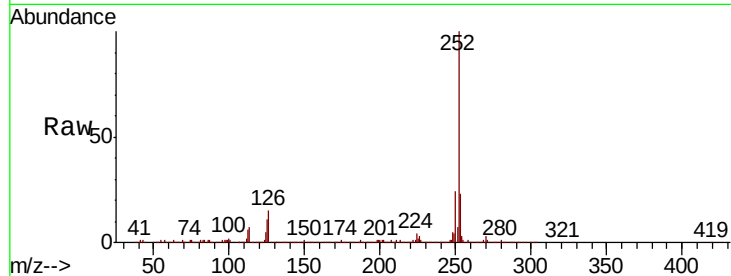
#89
Benzo(k)fluoranthene
Concen: 20.545 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF113397.D
Acq: 29 Mar 2019 3:42

Instrument :
BNA_F
ClientSampled :
CS-17DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	10.9	7.3	10.9

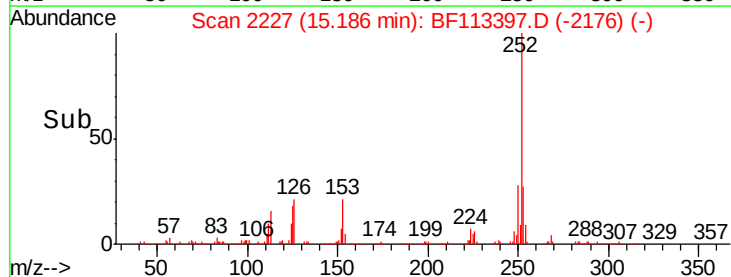
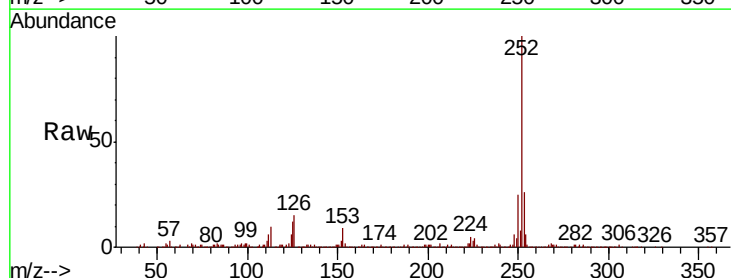
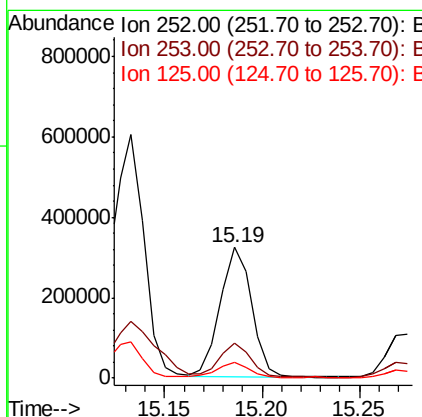
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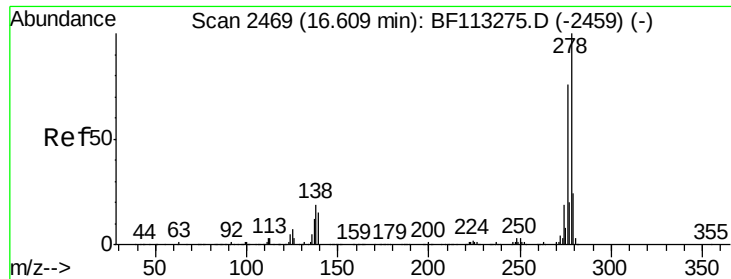
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3/29/2019 4:47:28 PM



#90
Benzo(a)pyrene
Concen: 14.970 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.00 min
Lab File: BF113397.D
Acq: 29 Mar 2019 3:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.9	26.9
125	11.8	8.8	13.2





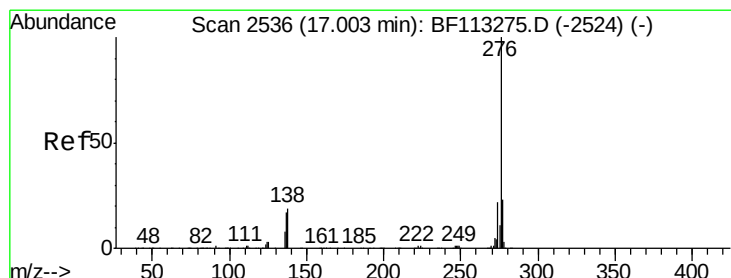
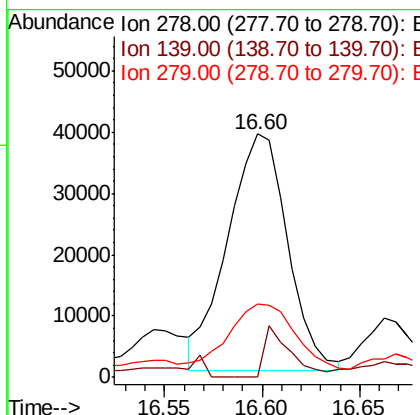
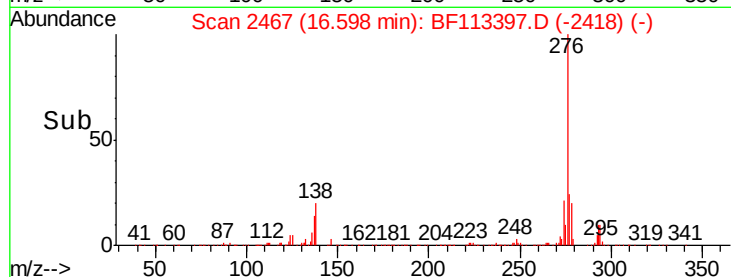
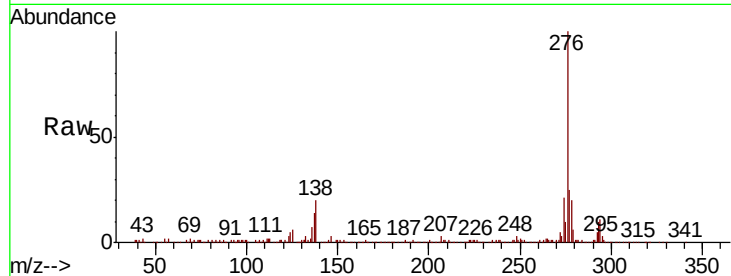
#91
Dibenzo(a,h)anthracene
Concen: 3.914 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113397.D
Acq: 29 Mar 2019 3:42

Instrument :
BNA_F
ClientSampled :
CS-17DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	30.1	19.0	28.6#

Manual Integrations
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3/29/2019 4:47:28 PM



#92
Benzo(g,h,i)perylene
Concen: 14.134 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.00 min
Lab File: BF113397.D
Acq: 29 Mar 2019 3:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.8	28.2
138	20.4	15.6	23.4

