

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032319\
 Data File : BF113257.D
 Acq On : 23 Mar 2019 13:36
 Operator : JU/SJ
 Sample : K2050-01DL 25X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-5DL

Manual Integrations
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Quant Time: Mar 23 23:07:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	176125	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	743274	20.00	ng	-0.02
39) Acenaphthene-d10	9.75	164	386499	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	785934	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	515431	20.00	ng	-0.01
87) Perylene-d12	15.27	264	421754	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	58350	5.15	ng	-0.02
7) Phenol-d6	6.36	99	88550	6.23	ng	-0.02
23) Nitrobenzene-d5	7.27	82	49596	3.99	ng	-0.03
42) 2,4,6-Tribromophenol	10.53	330	30338	7.39	ng	-0.02
45) 2-Fluorobiphenyl	9.07	172	119370	2.67	ng	-0.02
79) Terphenyl-d14	12.80	244	134464	5.06	ng	-0.02
Target Compounds						
71) Phenanthrene	11.25	178	560467	14.333	ng	99
73) Carbazole	11.46	167	94975	2.379	ng	96
75) Fluoranthene	12.44	202	1727836	41.242	ng	98
78) Pyrene	12.67	202	1363817	31.387	ng	100
81) Benzo(a)anthracene	13.85	228	175702	4.918	ng	96
83) Chrysene	13.89	228	561464	16.046	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	77420m	2.595	ng	
88) Benzo(b)fluoranthene	14.87	252	394675m	14.467	ng	
89) Benzo(k)fluoranthene	14.89	252	100687m	4.075	ng	
90) Benzo(a)pyrene	15.21	252	82238	3.408	ng	97
92) Benzo(g,h,i)perylene	17.03	276	70842	3.426	ng	98

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

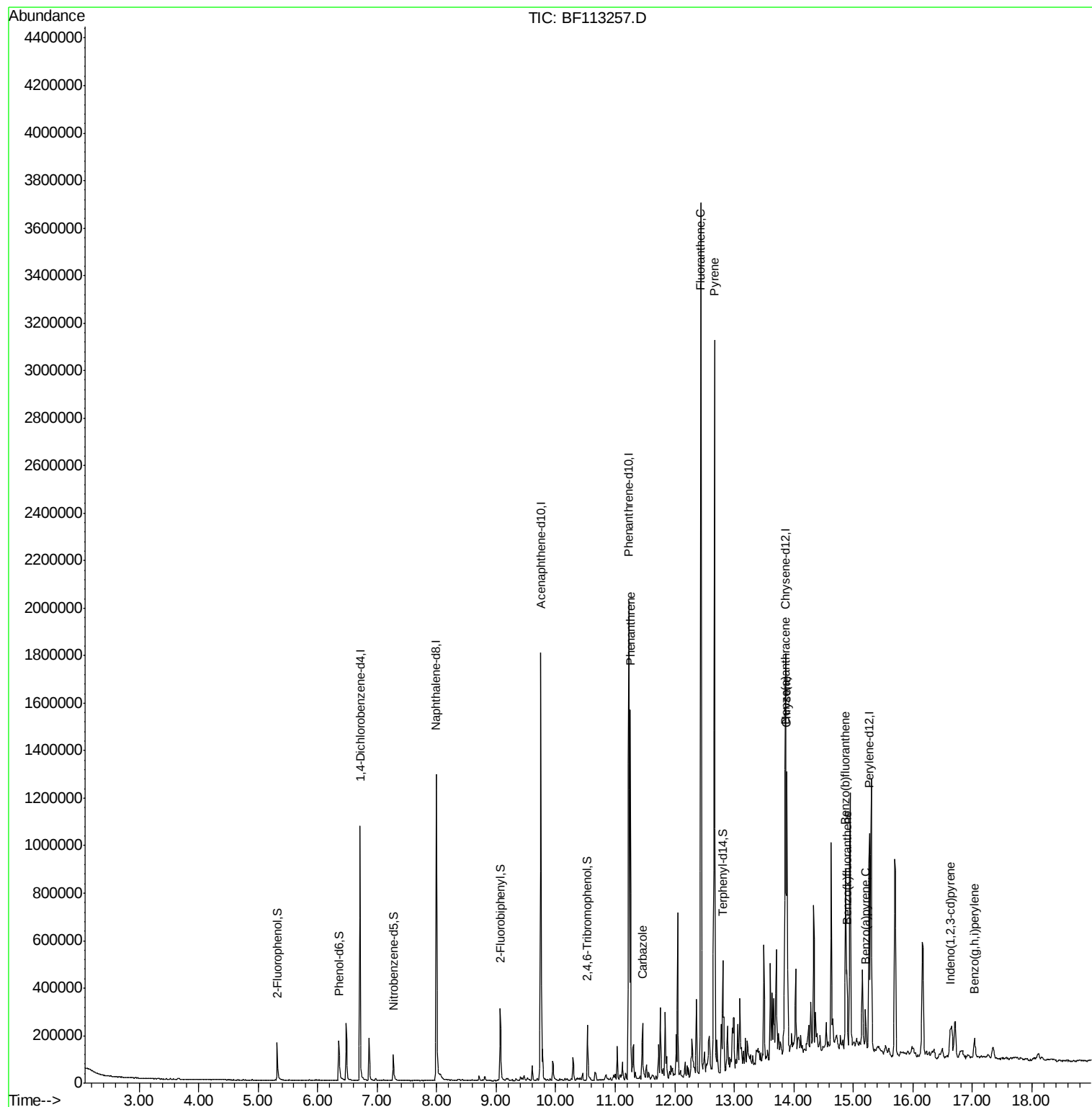
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032319\
Data File : BF113257.D
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Operator : JU/SJ
Sample : K2050-01DL 25X
Misc :
ALS Vial : 6 Sample Multiplier: 1

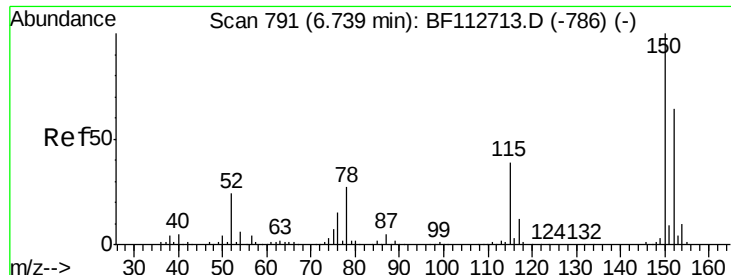
Instrument :
BNA_F
ClientSampleId :
CS-5DL

Quant Time: Mar 23 23:07:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 13 03:42:55 2019
Response via : Initial Calibration

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#1

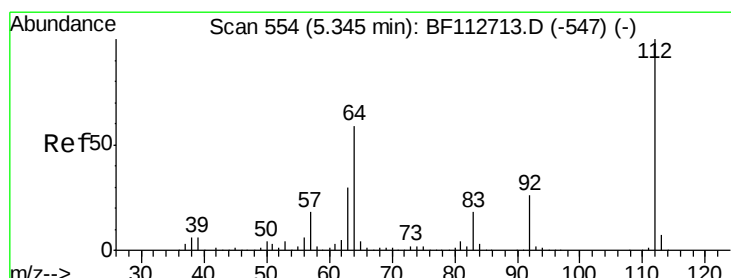
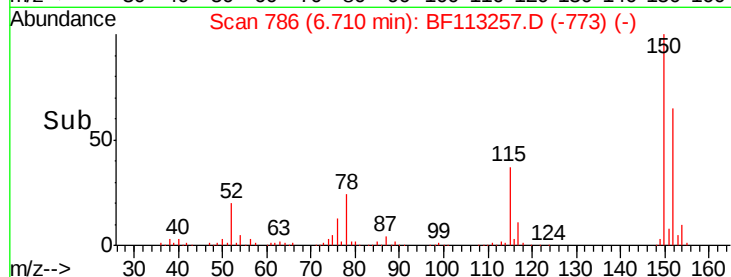
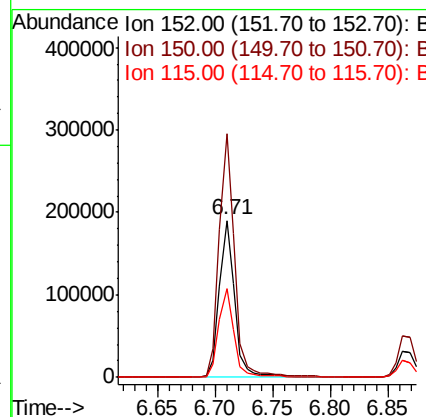
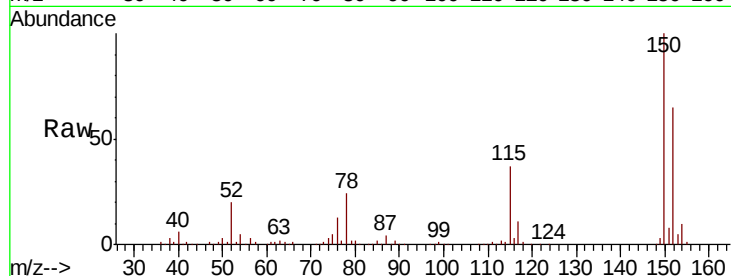
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF113257.D
Acq: 23 Mar 2019 13:36

Instrument :
BNA_F
ClientSampled :
CS-5DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.2	186.2
115	56.7	48.2	72.4

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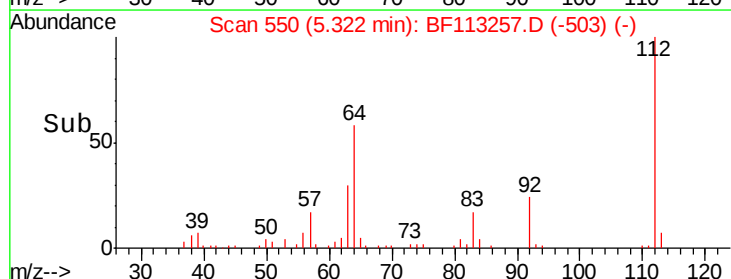
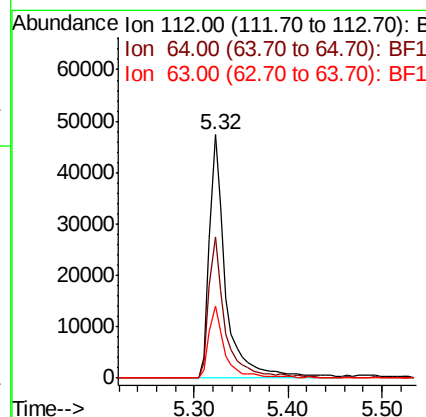
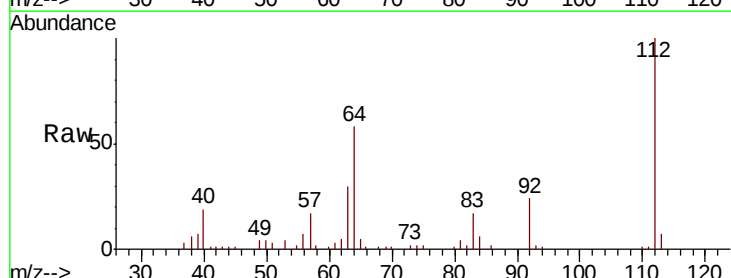
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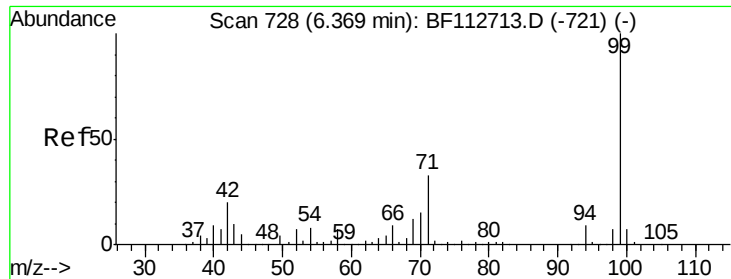


#5

2-Fluorophenol
Concen: 5.153 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.02 min
Lab File: BF113257.D
Acq: 23 Mar 2019 13:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.6	71.4
63	29.6	24.4	36.6





#7

Phenol-d6

Concen: 6.226 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF113257.D

Acq: 23 Mar 2019 13:36

Instrument :

BNA_F

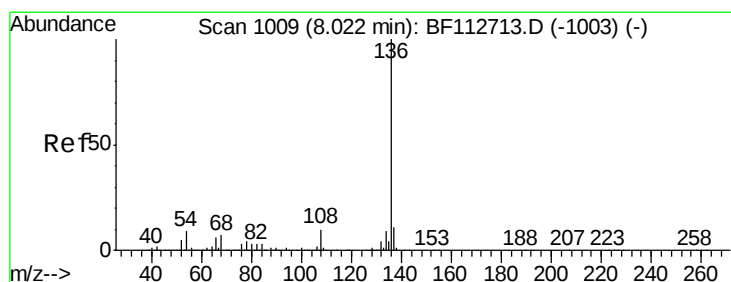
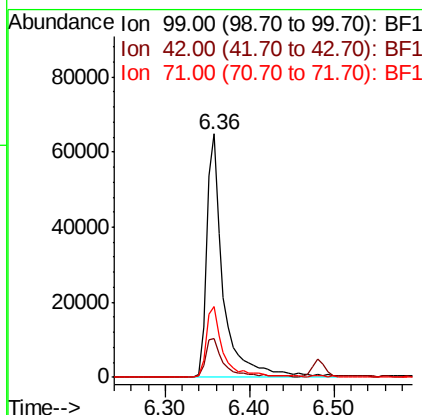
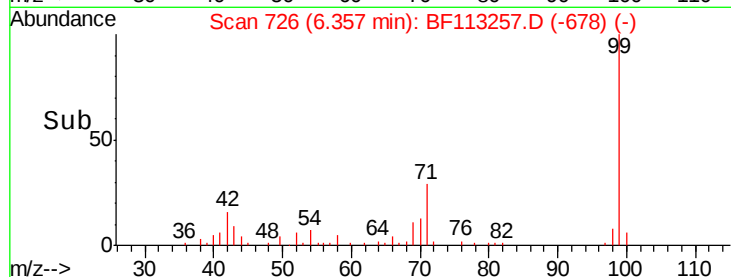
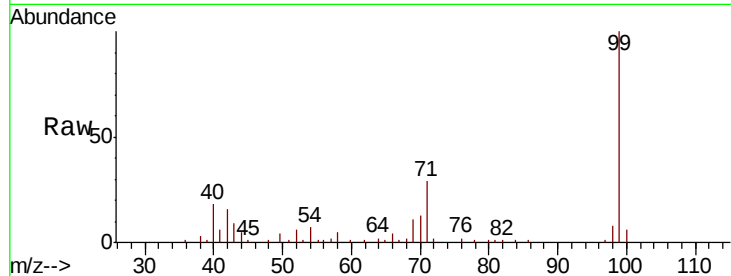
ClientSampleId :

CS-5DL

Tot Ion:	99	Resp:	88550
Ion Ratio	Lower	Upper	
99	100		
42	16.1	16.3	24.5#
71	29.0	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

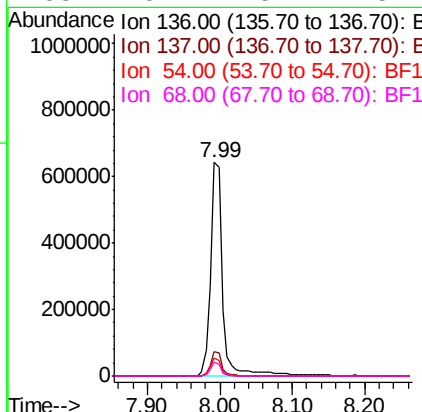
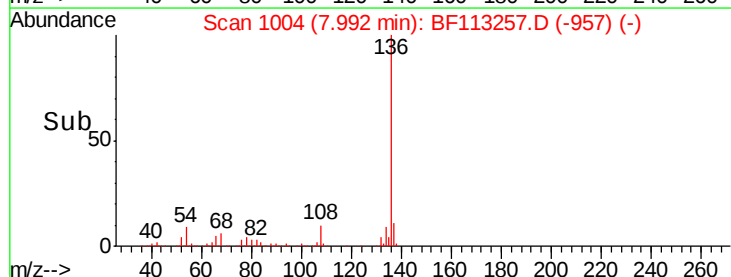
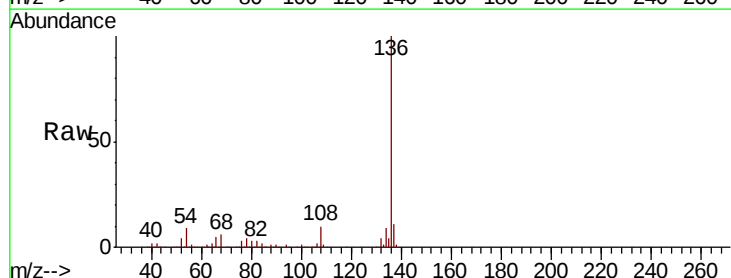
RT: 7.99 min Scan# 1004

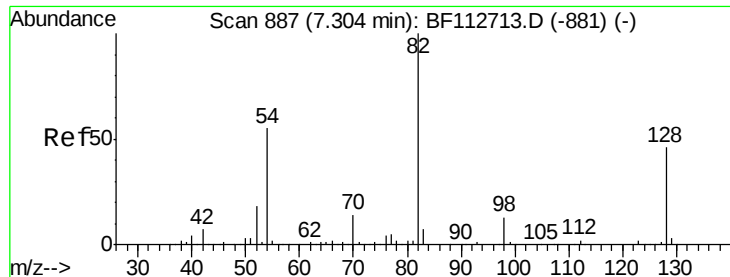
Delta R.T. -0.02 min

Lab File: BF113257.D

Acq: 23 Mar 2019 13:36

Tgt Ion:	136	Resp:	743274
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.6	7.3	10.9
68	6.4	5.4	8.2





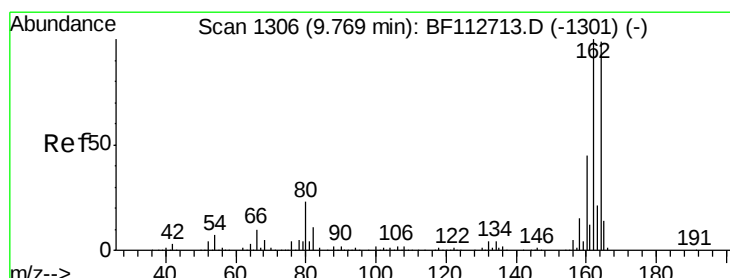
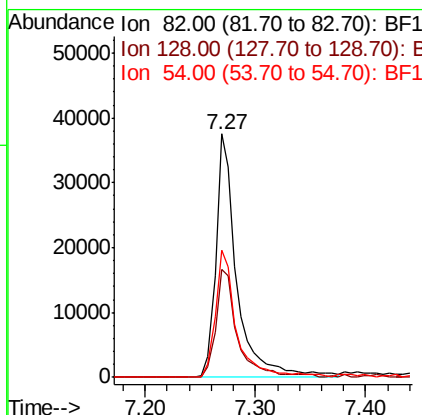
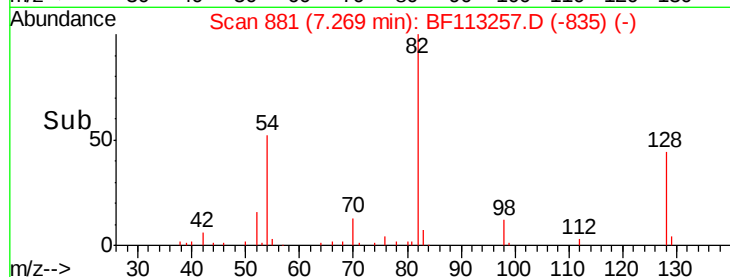
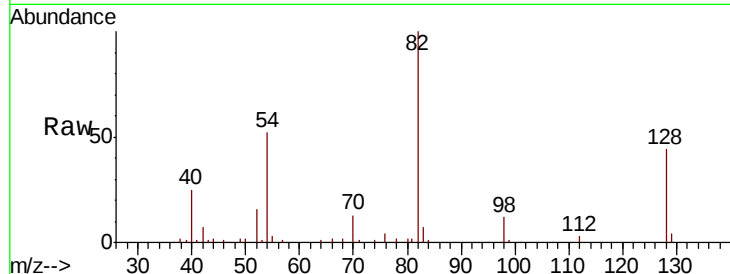
#23
Nitrobenzene-d5
Concen: 3.993 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.03 min
Lab File: BF113257.D
Acq: 23 Mar 2019 13:36

Instrument :
BNA_F
ClientSampled :
CS-5DL

Tot Ion	82	Resp	49596
Ion Ratio	100	Lower	Upper
82	100		
128	44.2	36.3	54.5
54	52.2	43.7	65.5

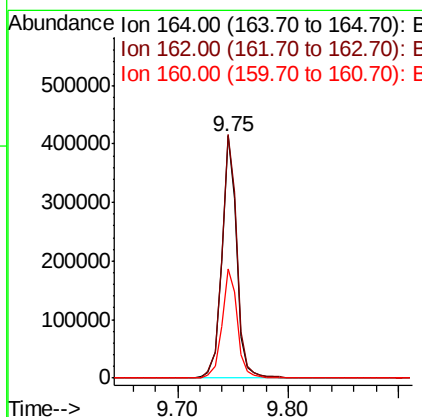
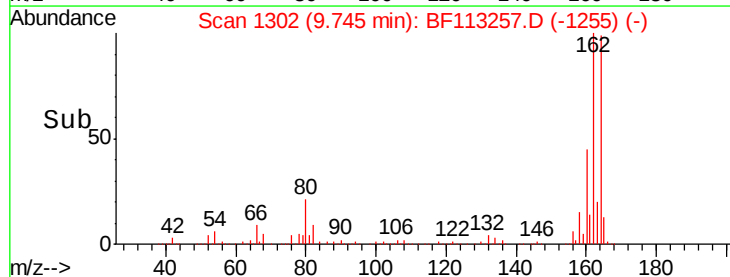
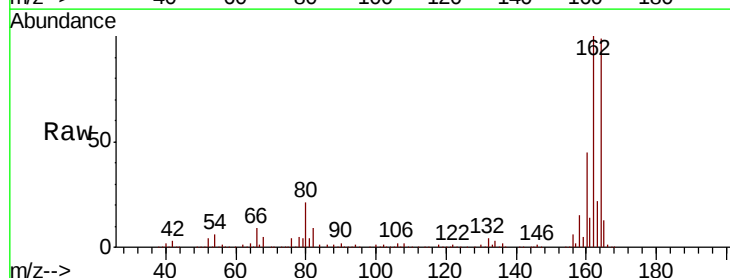
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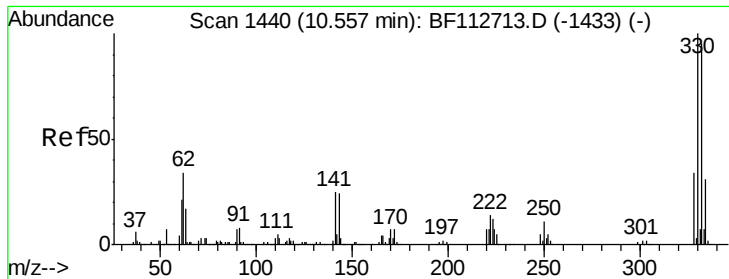
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF113257.D
Acq: 23 Mar 2019 13:36

Tgt Ion	164	Resp	386499
Ion Ratio	100	Lower	Upper
164	100		
162	100.6	80.6	120.8
160	45.1	36.0	54.0





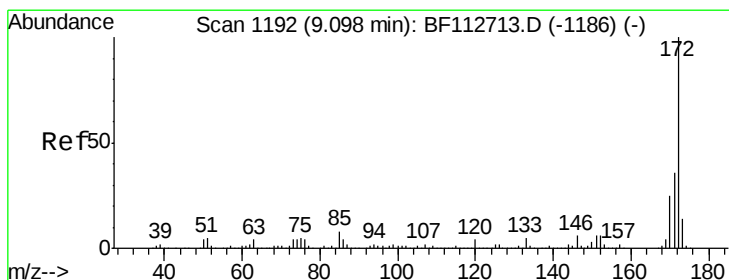
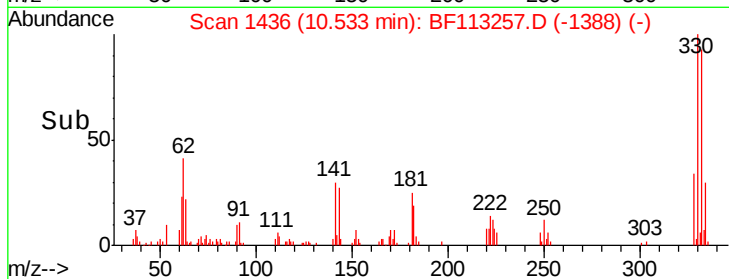
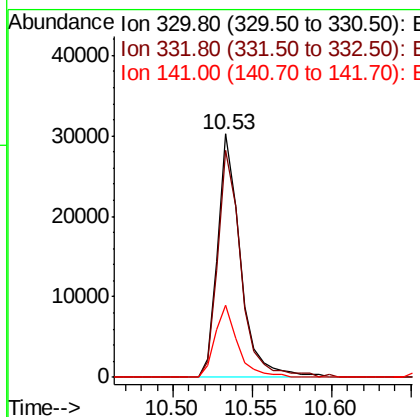
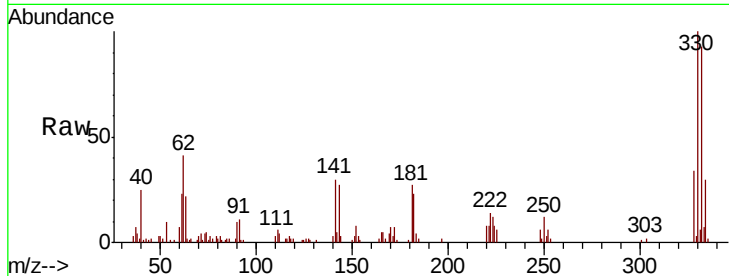
#42
 2,4,6-Tribromophenol
 Concen: 7.394 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF113257.D
 Acq: 23 Mar 2019 13:36

Instrument :
 BNA_F
 ClientSampleId :
 CS-5DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.2	114.4
141	29.2	27.0	40.6

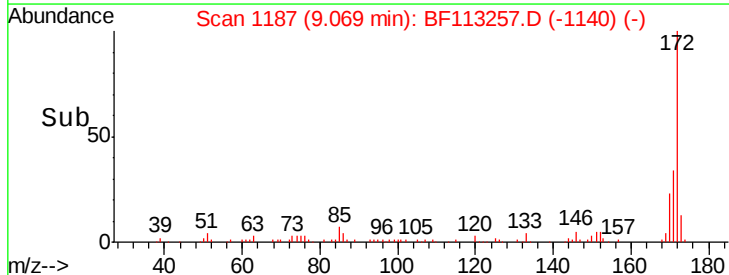
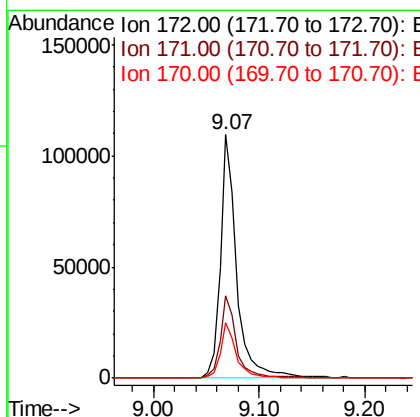
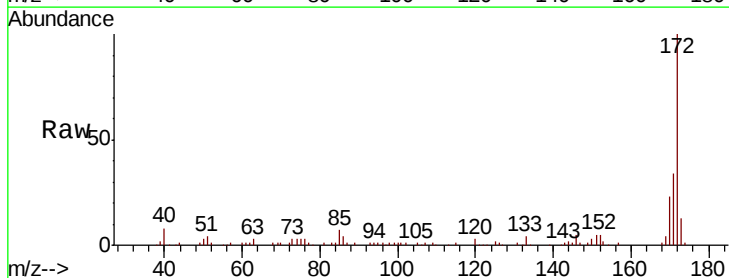
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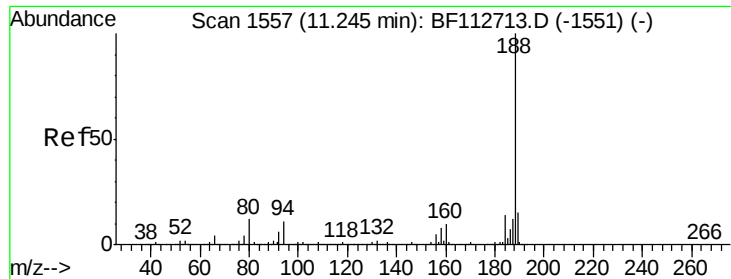
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#45
 2-Fluorobiphenyl
 Concen: 2.675 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF113257.D
 Acq: 23 Mar 2019 13:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.0	43.4
170	22.6	20.0	30.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.02 min

Lab File: BF113257.D

Acq: 23 Mar 2019 13:36

Instrument :

BNA_F

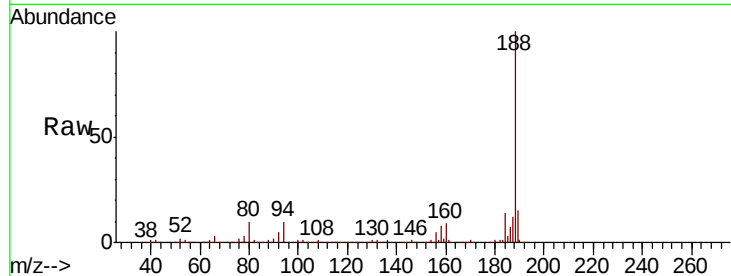
ClientSampled :

CS-5DL

Tot Ion:	188	Resp:	785934
Ion Ratio	Lower	Upper	
188	100		
94	9.5	9.0	13.4
80	10.1	9.2	13.8

Manual Integrations
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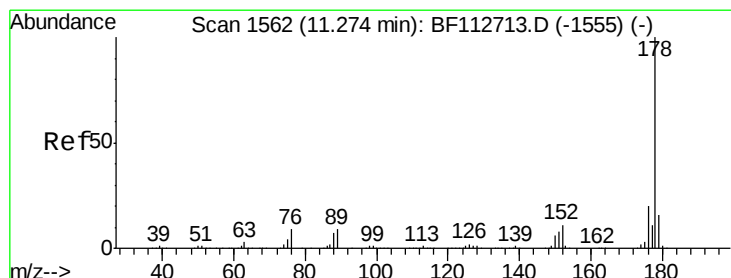
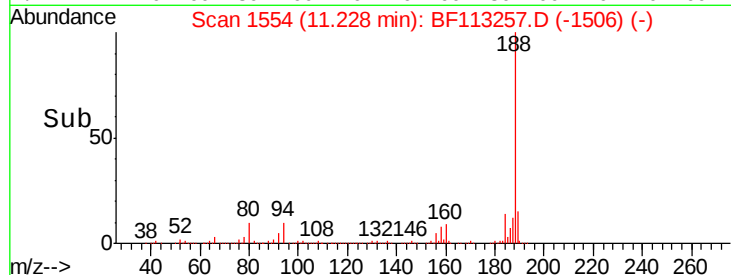
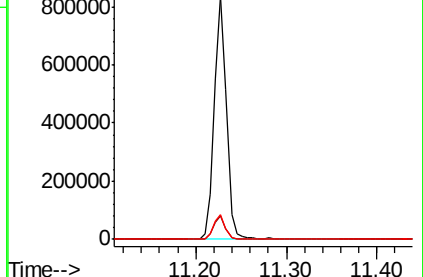
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 14.333 ng

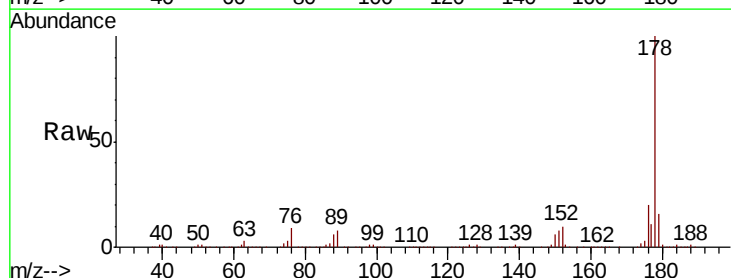
RT: 11.25 min Scan# 1558

Delta R.T. -0.02 min

Lab File: BF113257.D

Acq: 23 Mar 2019 13:36

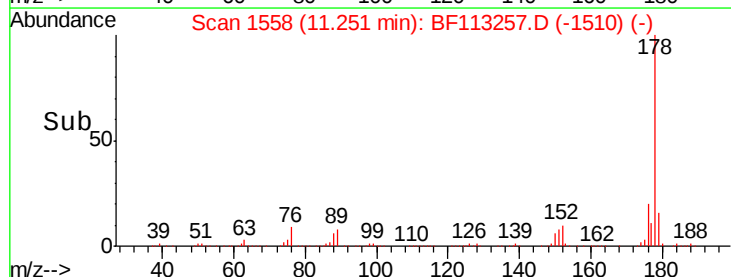
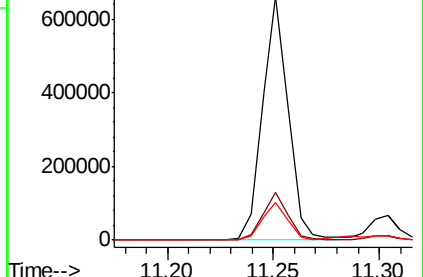
Tgt Ion:	178	Resp:	560467
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.3	24.5
179	15.5	12.7	19.1

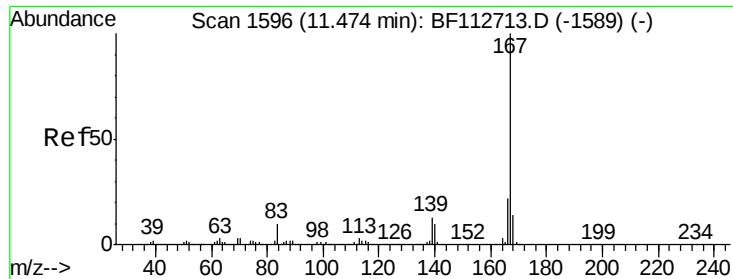


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





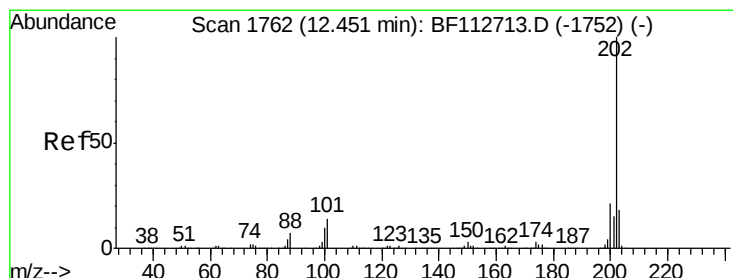
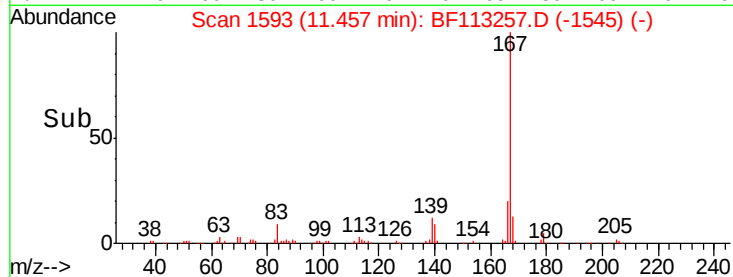
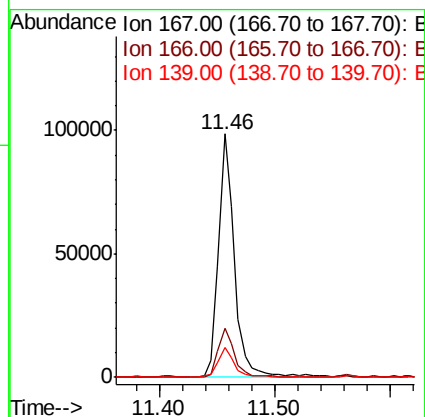
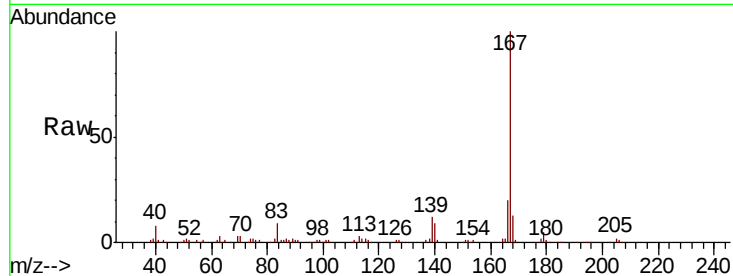
#73
 Carbazole
 Concen: 2.379 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.02 min
 Lab File: BF113257.D
 Acq: 23 Mar 2019 13:36

Instrument :
 BNA_F
 ClientSampled :
 CS-5DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.0	17.5	26.3
139	12.2	10.8	16.2

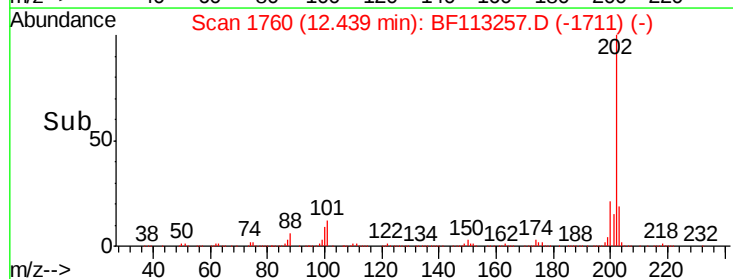
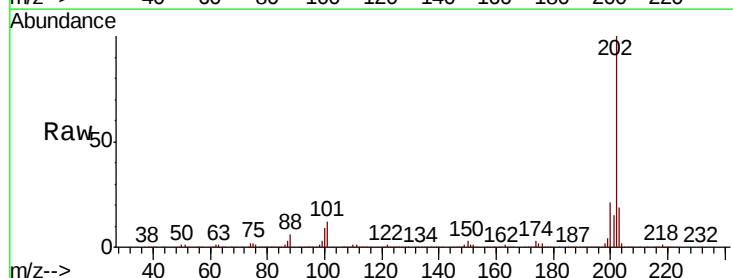
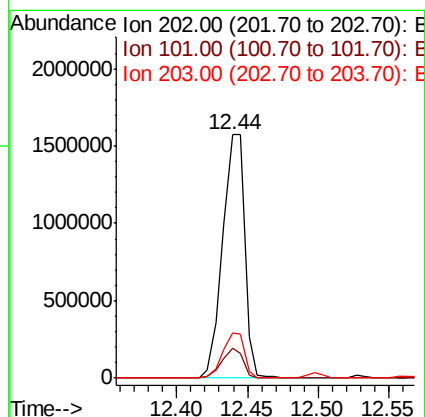
Manual Integrations
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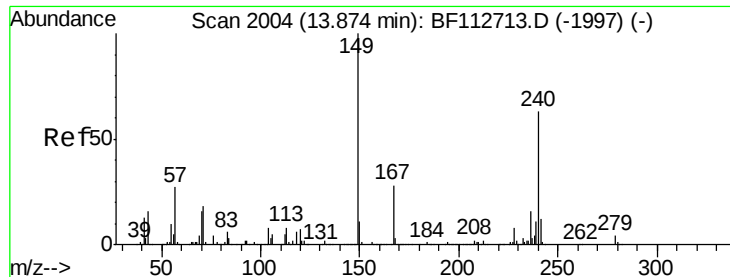
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#75
 Fluoranthene
 Concen: 41.242 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.01 min
 Lab File: BF113257.D
 Acq: 23 Mar 2019 13:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.8
203	18.6	0.0	38.4





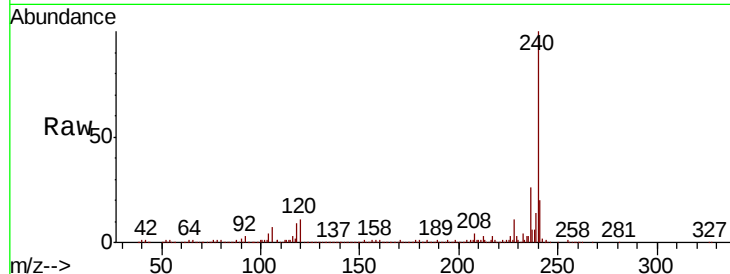
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF113257.D
Acq: 23 Mar 2019 13:36

Instrument :
BNA_F
ClientSampled :
CS-5DL

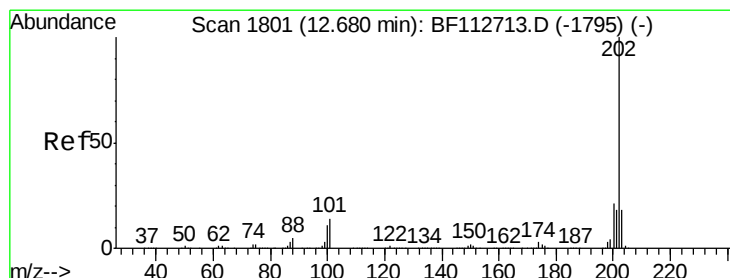
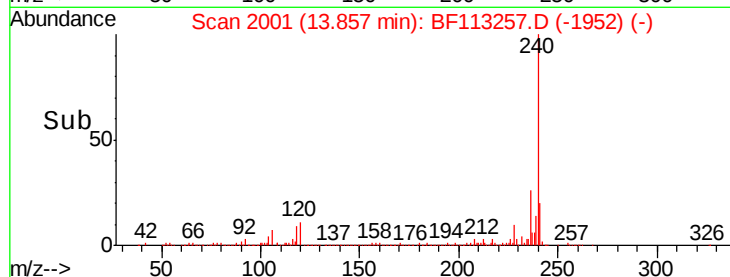
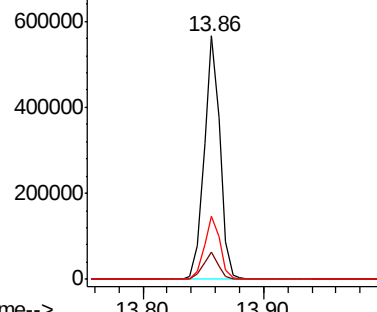
Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.1	8.9	13.3	
236	25.8	20.7	31.1	

Manual Integrations
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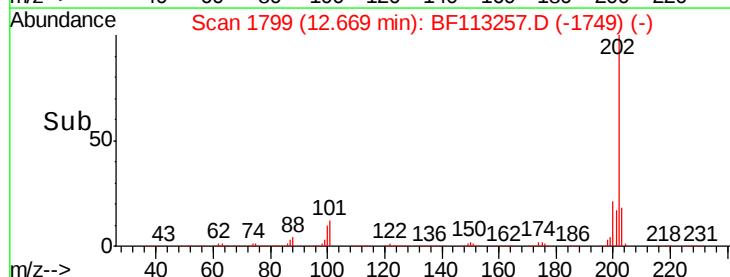
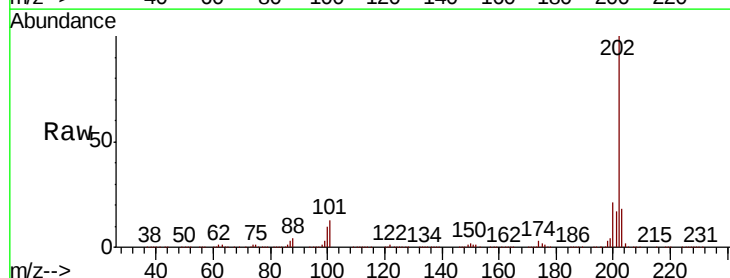
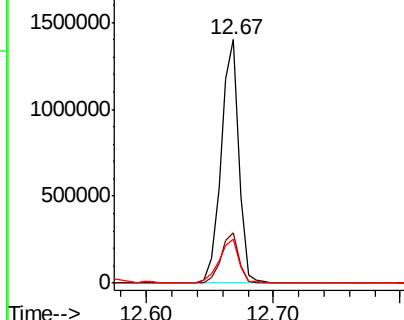
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

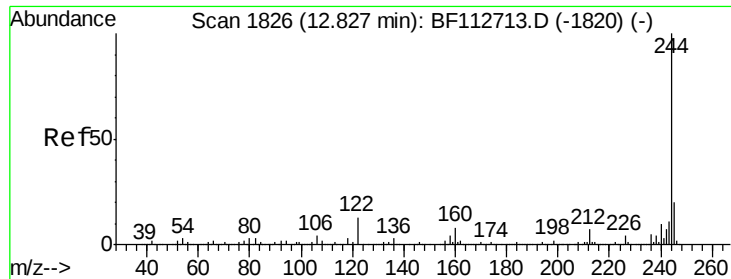


#78
Pyrene
Concen: 31.387 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113257.D
Acq: 23 Mar 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.9	17.0	25.4	
203	18.1	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





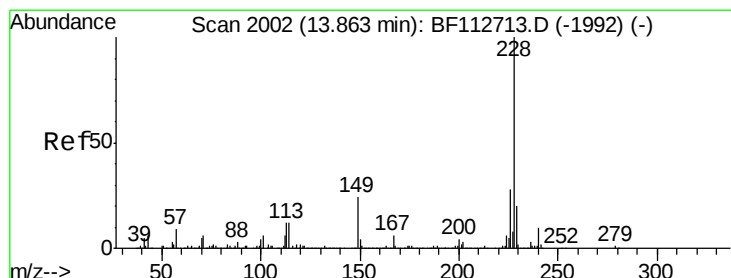
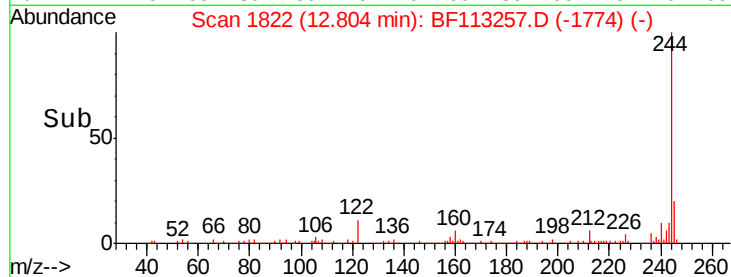
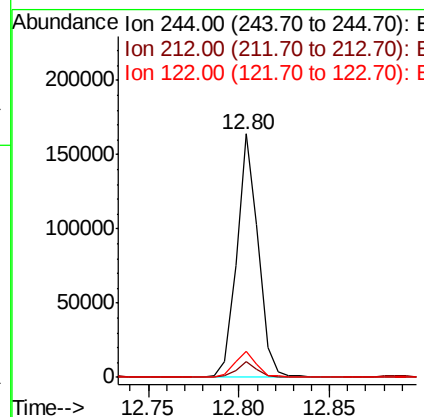
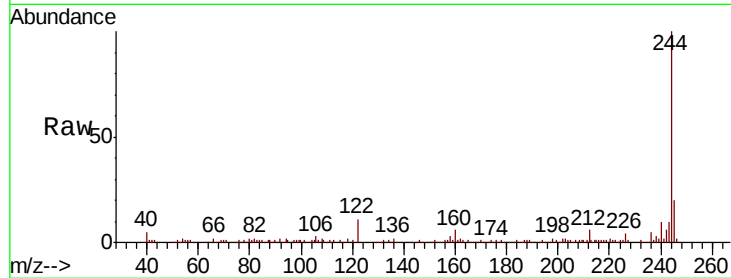
#79
 Terphenyl-d14
 Concen: 5.057 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.02 min
 Lab File: BF113257.D
 Acq: 23 Mar 2019 13:36

Instrument :
 BNA_F
 ClientSampleId :
 CS-5DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.6	8.4
122	10.6	10.5	15.7

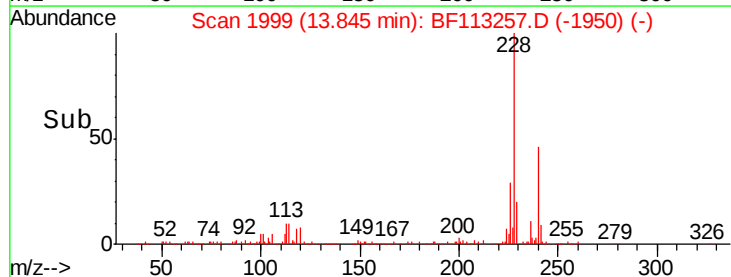
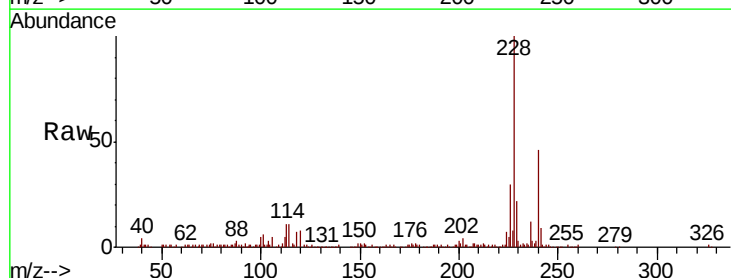
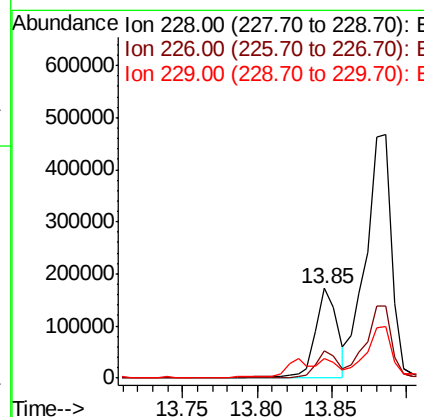
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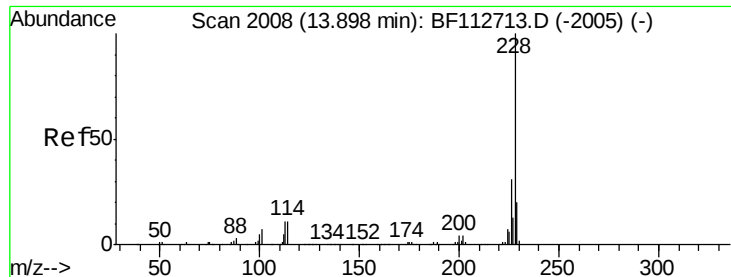
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#81
 Benzo(a)anthracene
 Concen: 4.918 ng
 RT: 13.85 min Scan# 1999
 Delta R.T. -0.01 min
 Lab File: BF113257.D
 Acq: 23 Mar 2019 13:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.2	33.4
229	21.7	16.0	24.0





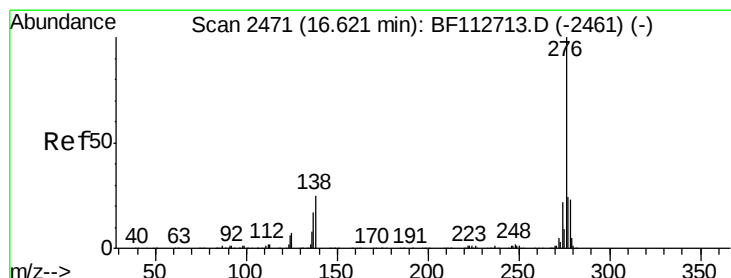
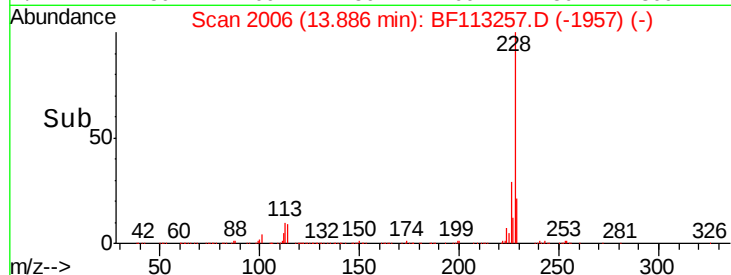
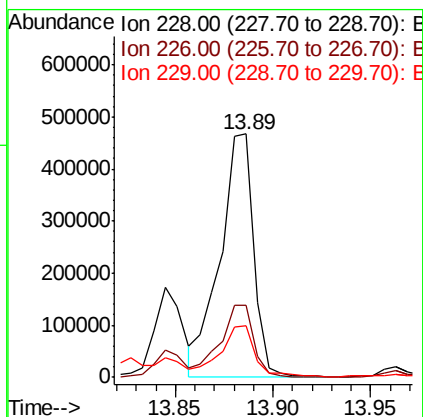
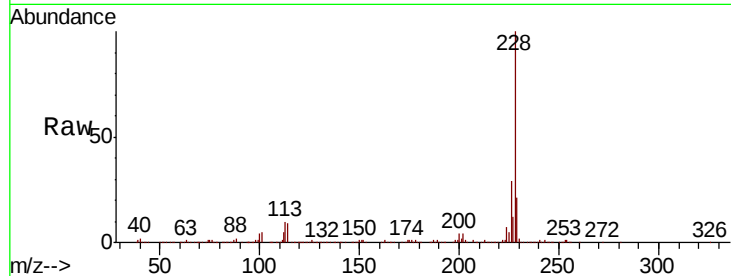
#83
Chrysene
Concen: 16.046 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113257.D
Acq: 23 Mar 2019 13:36

Instrument :
BNA_F
ClientSampleId :
CS-5DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.9	37.3
229	21.3	16.3	24.5

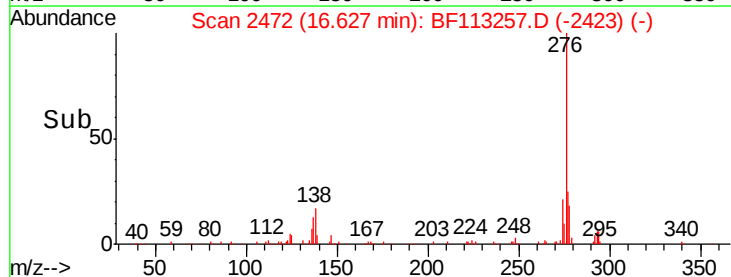
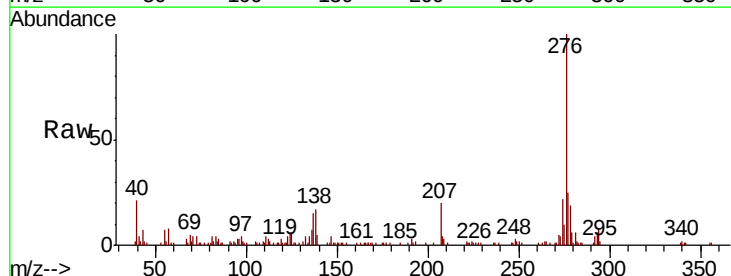
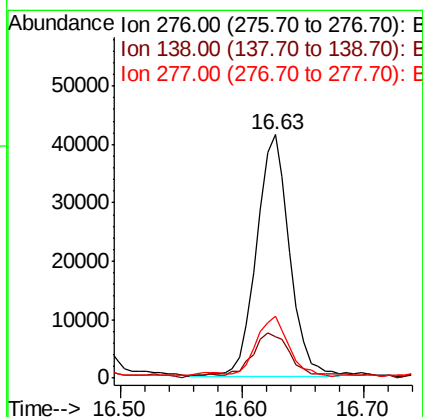
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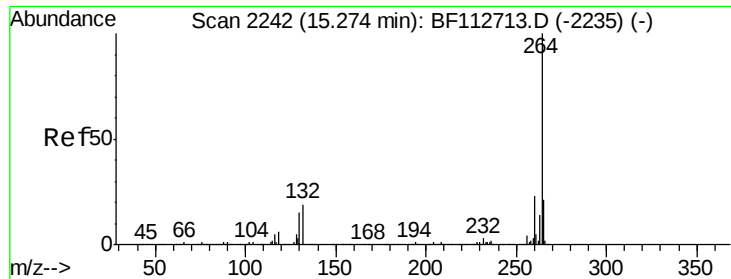
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.595 ng m
RT: 16.63 min Scan# 2472
Delta R.T. -0.01 min
Lab File: BF113257.D
Acq: 23 Mar 2019 13:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.5	23.2	34.8#
277	6.6	19.9	29.9#





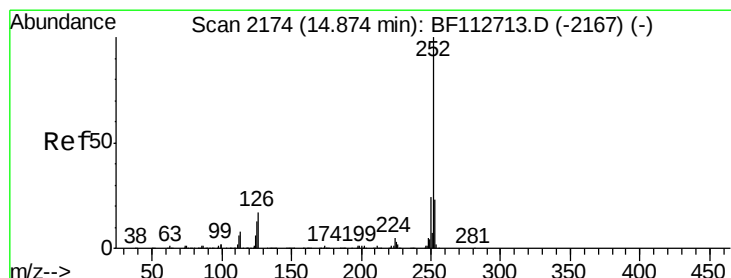
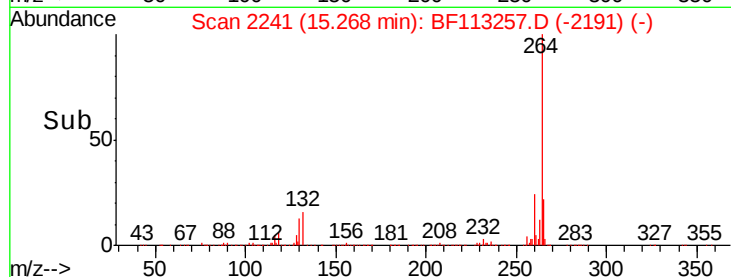
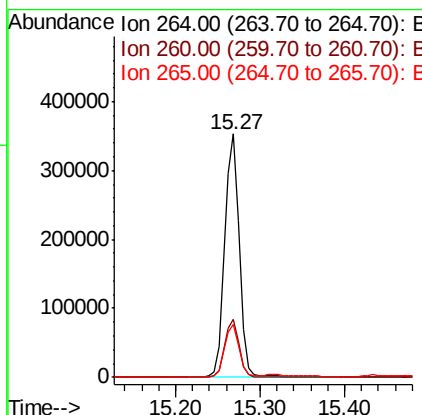
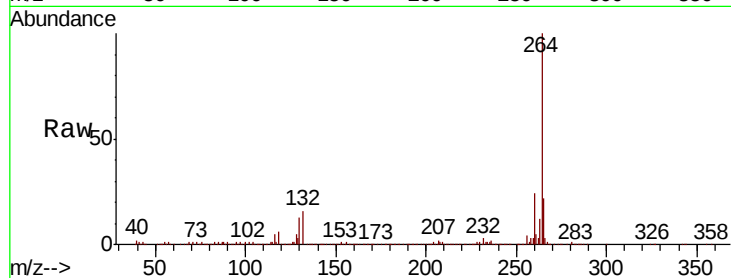
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113257.D
Acq: 23 Mar 2019 13:36

Instrument :
BNA_F
ClientSampleId :
CS-5DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.7	17.2	25.8

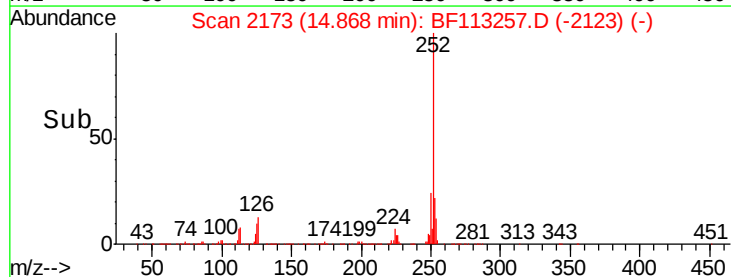
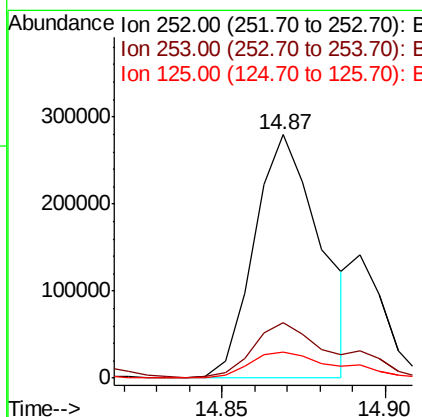
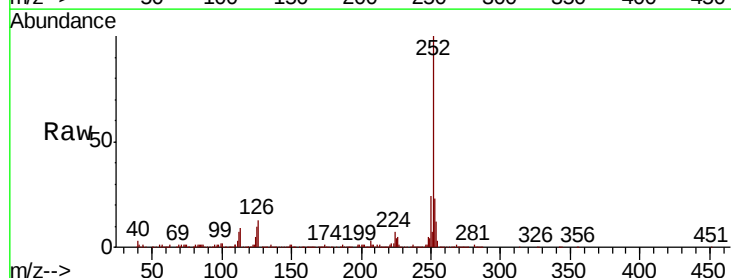
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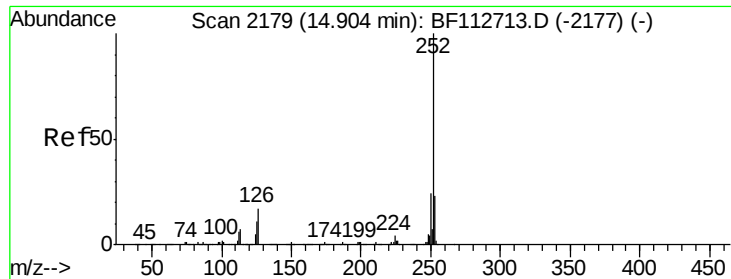
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#88
Benzo(b)fluoranthene
Concen: 14.467 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113257.D
Acq: 23 Mar 2019 13:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	10.4	10.2	15.2





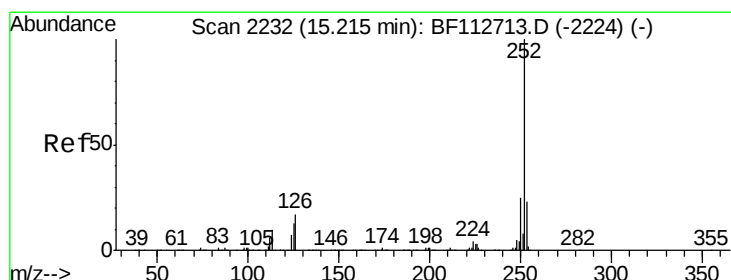
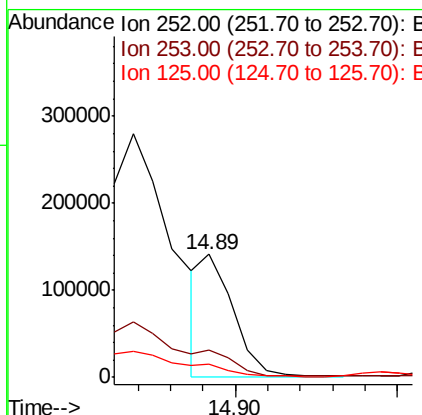
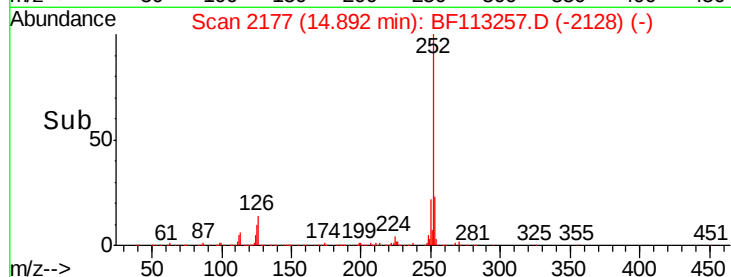
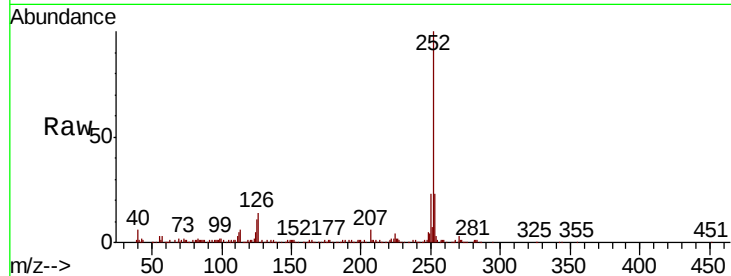
#89
Benzo(k)fluoranthene
Concen: 4.075 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF113257.D
Acq: 23 Mar 2019 13:36

Instrument :
BNA_F
ClientSampled :
CS-5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	10.5	9.8	14.6

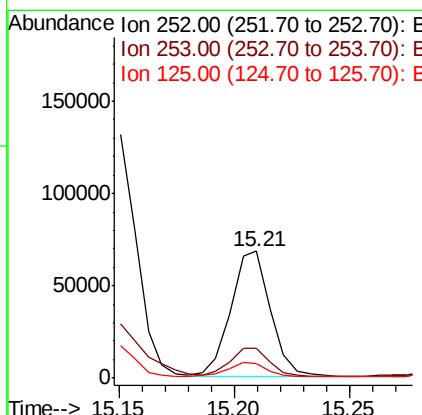
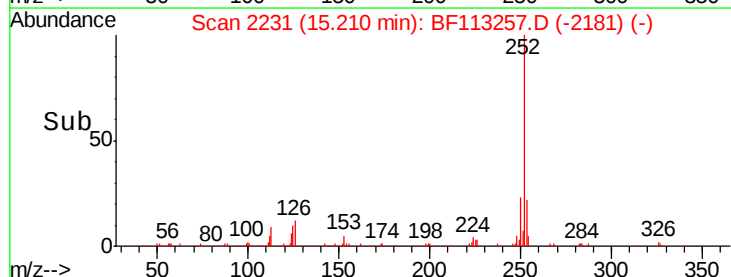
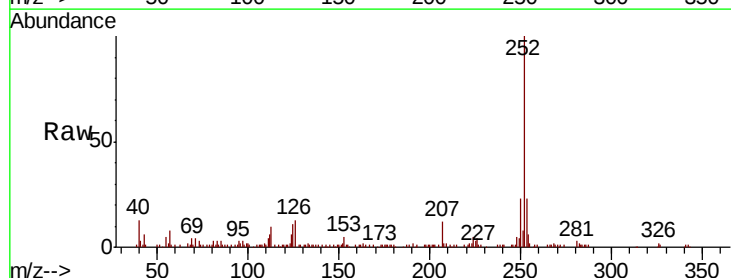
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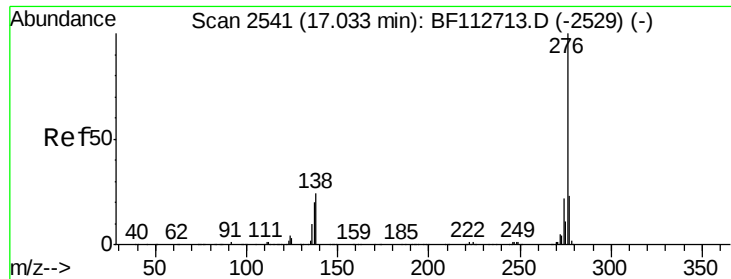
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#90
Benzo(a)pyrene
Concen: 3.408 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113257.D
Acq: 23 Mar 2019 13:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	11.2	10.7	16.1





#92
 Benzo(a,h,i)perylene
 Concen: 3.426 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. -0.01 min
 Lab File: BF113257.D
 Acq: 23 Mar 2019 13:36

Instrument :
 BNA_F
 ClientSampleId :
 CS-5DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	27.8
138	22.1	19.4	29.0

Manual Integrations
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