

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113469.D
 Acq On : 1 Apr 2019 16:28
 Operator : JU/SJ
 Sample : K2056-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-10

Manual Integrations
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Quant Time: Apr 02 07:12:15 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	136729	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	508934	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	241069	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	463467	20.00	ng	0.00
76) Chrysene-d12	13.84	240	355680	20.00	ng	0.00
87) Perylene-d12	15.25	264	408716	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	935230	111.84	ng	0.00
7) Phenol-d6	6.36	99	1203402	113.76	ng	0.00
23) Nitrobenzene-d5	7.27	82	732675	85.45	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	322853	108.42	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1371964	90.30	ng	0.00
79) Terphenyl-d14	12.79	244	1332445	82.57	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.46	163	94253	5.276	ng	Qvalue 100
71) Phenanthrene	11.24	178	207608	9.020	ng	97
72) Anthracene	11.29	178	72282	3.092	ng	98
73) Carbazole	11.45	167	82164	3.683	ng	98
75) Fluoranthene	12.43	202	1022357	39.293	ng	98
78) Pyrene	12.65	202	745554	30.249	ng	99
81) Benzo(a)anthracene	13.83	228	126049	6.191	ng	95
83) Chrysene	13.87	228	385694	18.651	ng	99
86) Indeno(1,2,3-cd)pyrene	16.61	276	104503	5.888	ng	96
88) Benzo(b)fluoranthene	14.85	252	419163m	16.509	ng	
89) Benzo(k)fluoranthene	14.87	252	126655m	5.680	ng	
90) Benzo(a)pyrene	15.19	252	81303	3.612	ng	97
92) Benzo(g,h,i)perylene	17.02	276	88482	4.509	ng	96

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

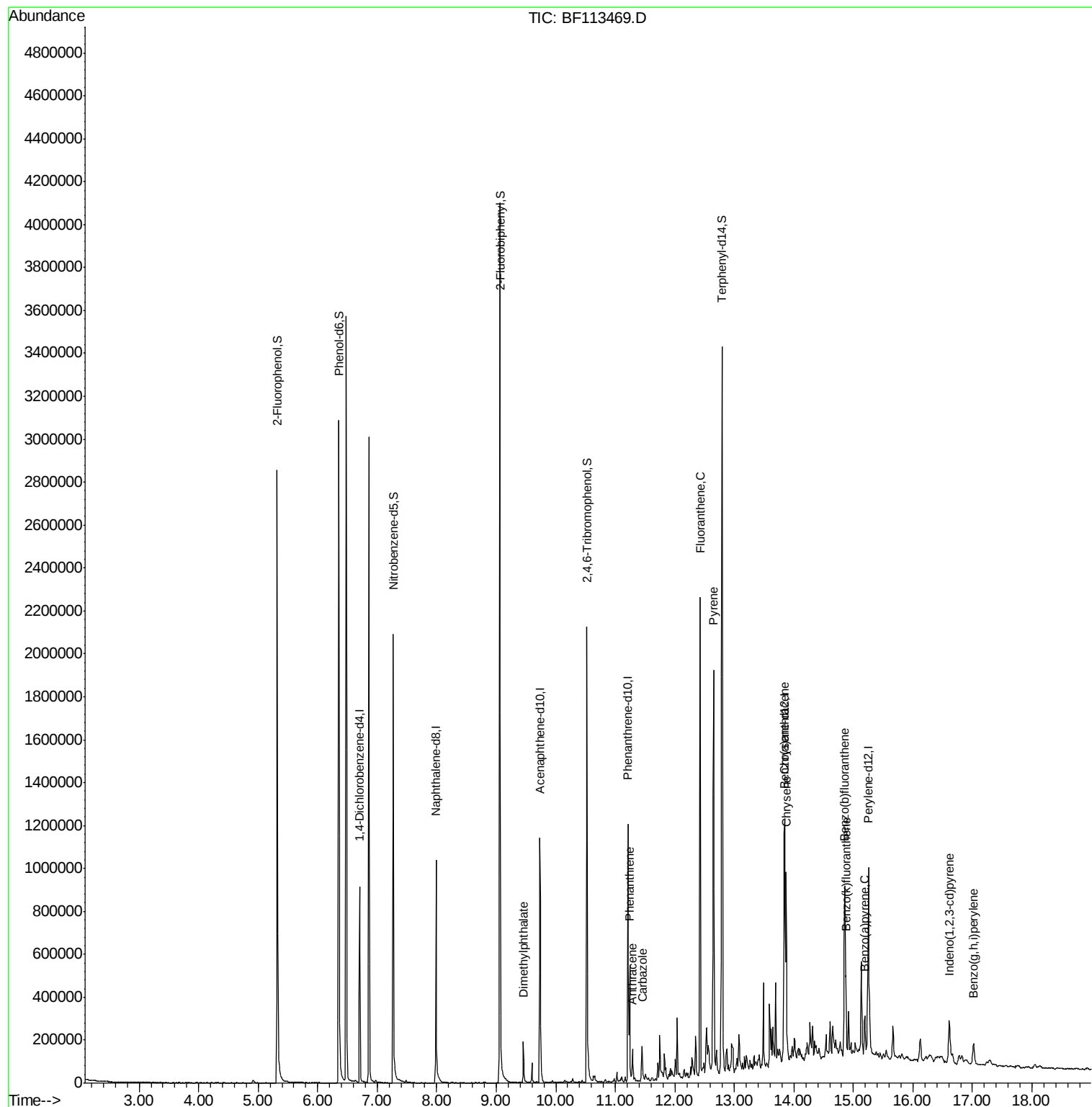
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113469.D
Acq On : 1 Apr 2019 16:28
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#1

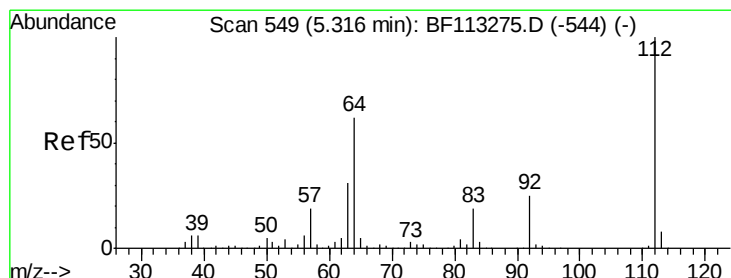
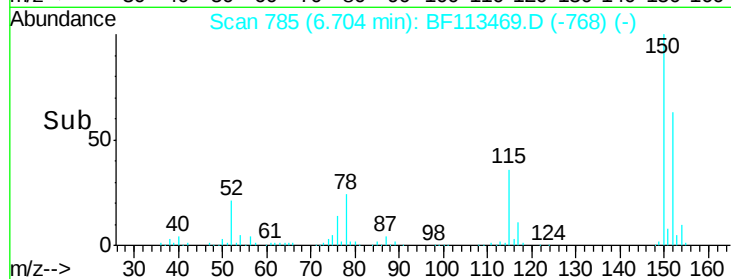
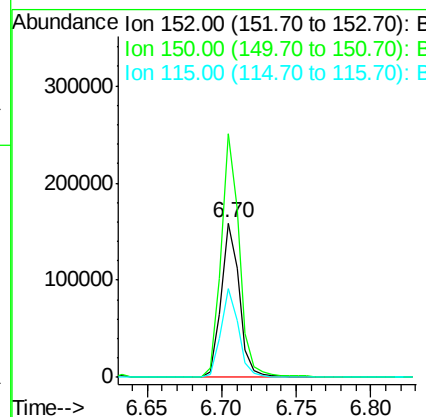
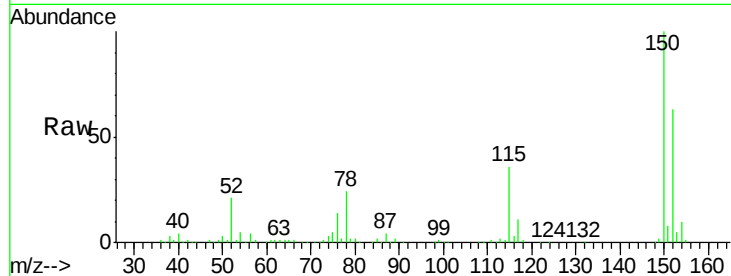
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Instrument :
BNA_F
ClientSampleId :
CS-10

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.7	187.1
115	57.3	46.0	69.0

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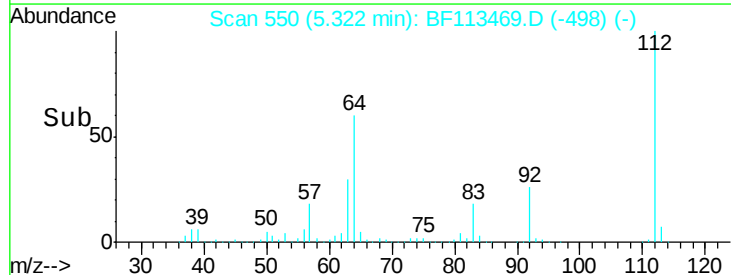
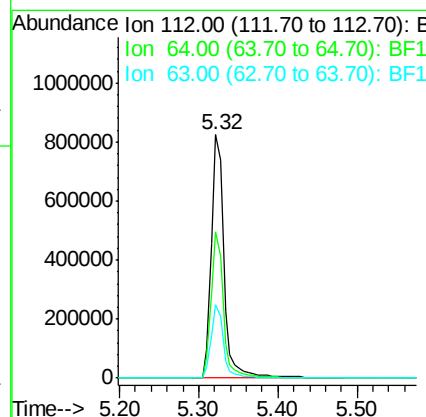
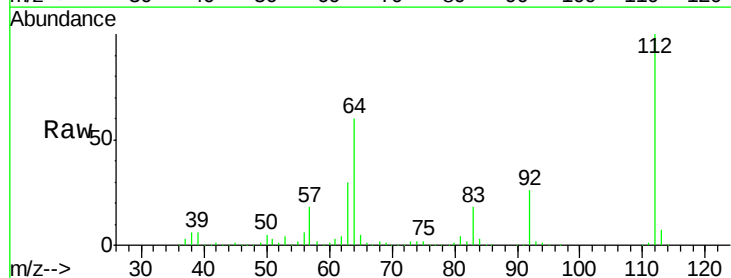
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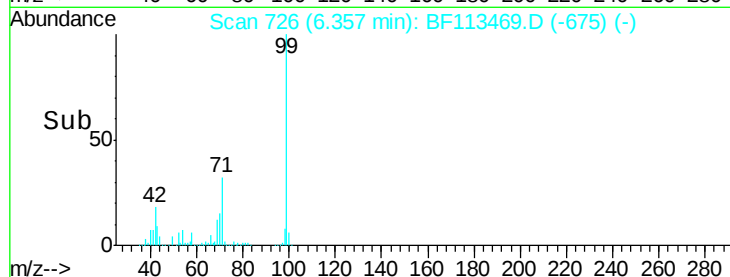
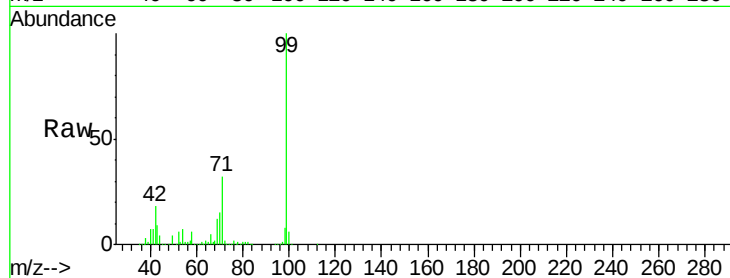
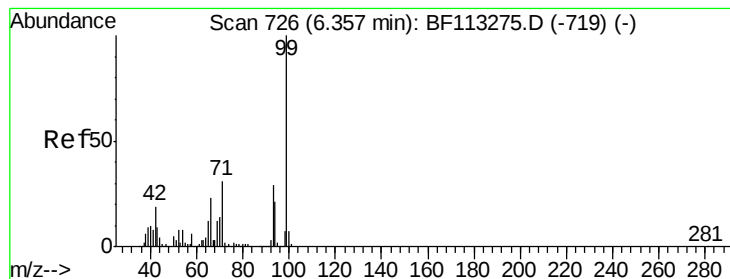


#5

2-Fluorophenol
Concen: 111.843 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	49.2	73.8
63	30.4	24.9	37.3





#7

Phenol-d6

Concen: 113.760 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF113469.D

Acq: 1 Apr 2019 16:28

Tgt Ion:	99	Resp:	1203402
Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.8	22.2
71	31.5	24.9	37.3

Instrument :

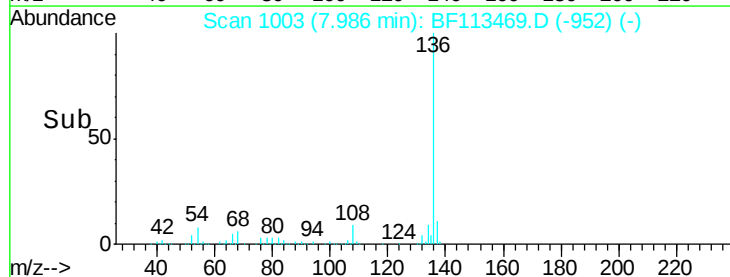
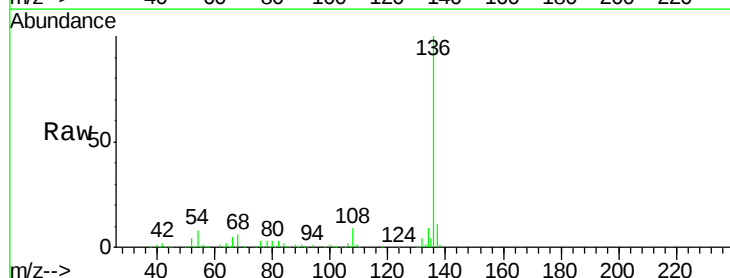
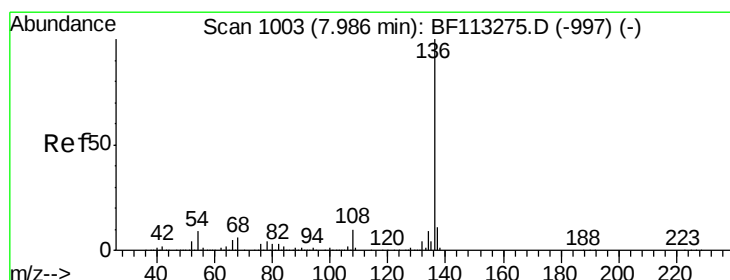
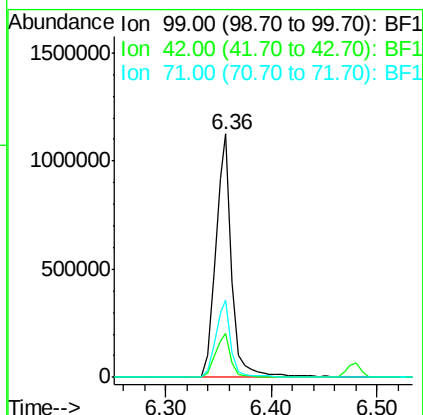
BNA_F

ClientSampled :

CS-10

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#21

Naphthalene-d8

Concen: 20.000 ng

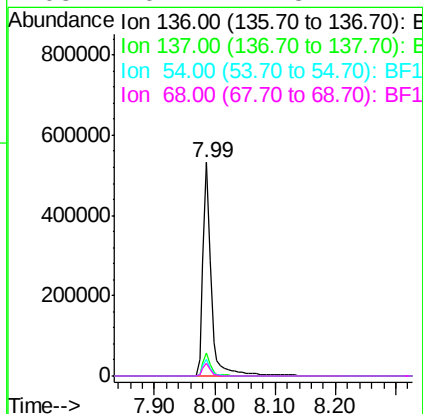
RT: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113469.D

Acq: 1 Apr 2019 16:28

Tgt Ion:	136	Resp:	508934
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.7	7.0	10.6
68	6.1	4.8	7.2





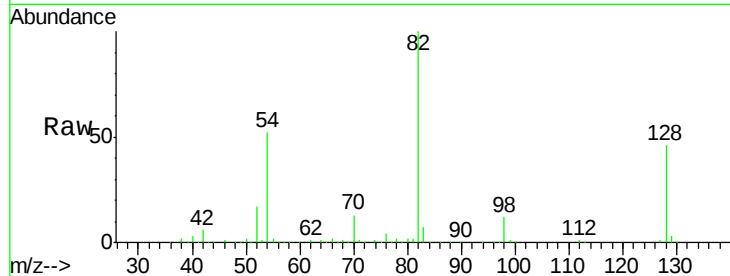
#23
Nitrobenzene-d5
Concen: 85.448 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Instrument :
BNA_F
ClientSampled :
CS-10

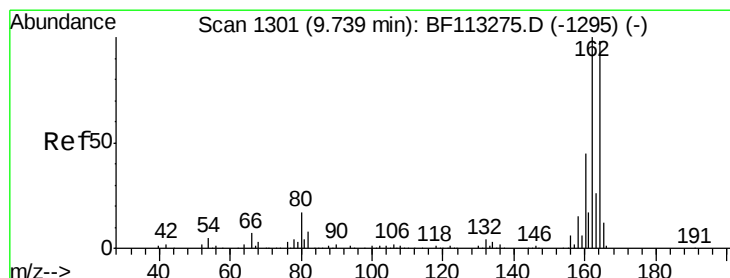
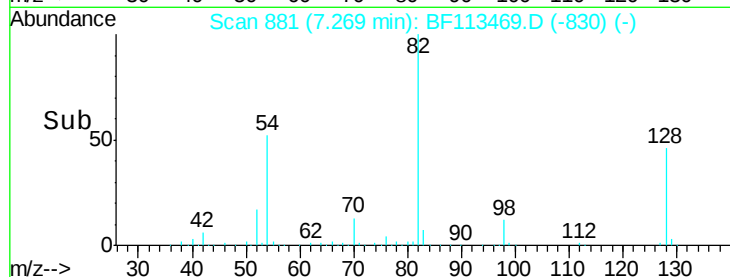
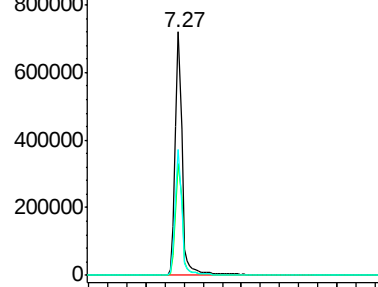
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	732675		
128	46.1	36.5	54.7	
54	51.7	42.2	63.2	

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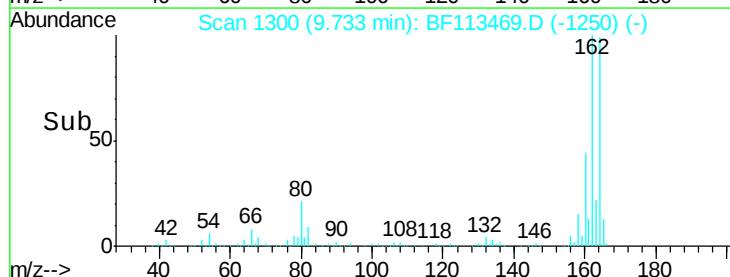
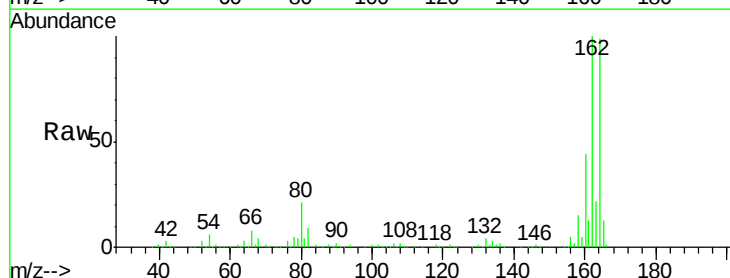
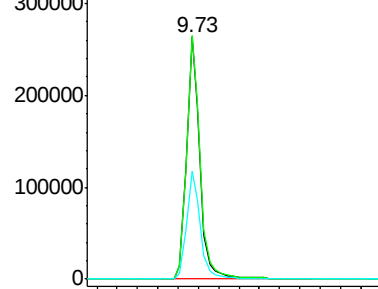
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

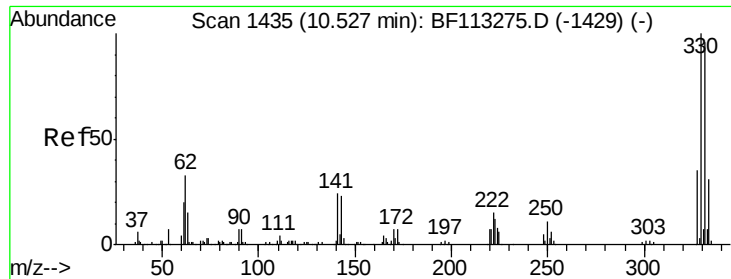


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	241069		
162	100.7	81.8	122.6	
160	44.6	36.4	54.6	

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





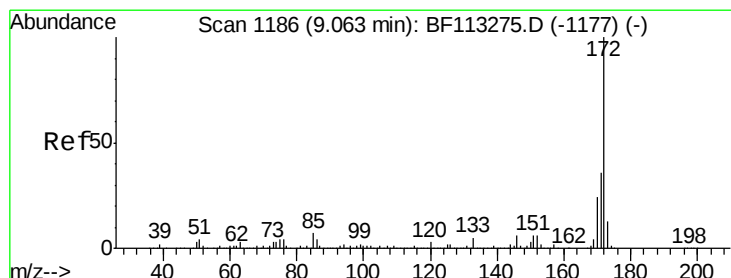
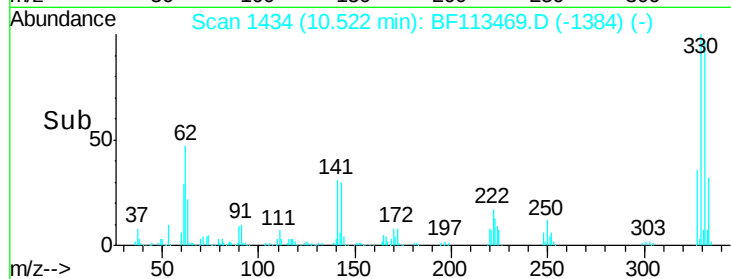
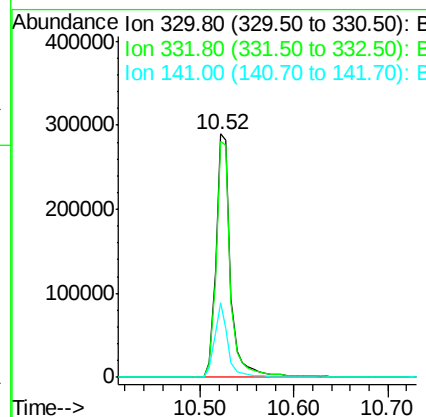
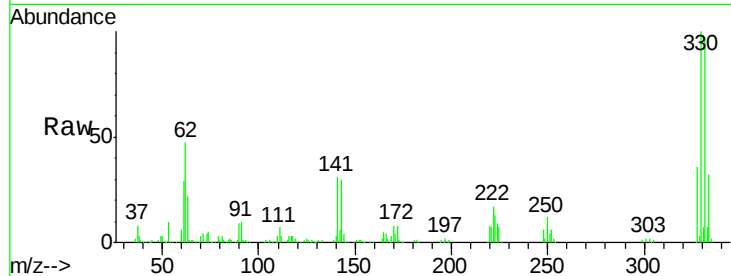
#42
 2,4,6-Tribromophenol
 Concen: 108.422 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113469.D
 Acq: 1 Apr 2019 16:28

Instrument :
 BNA_F
 ClientSampled :
 CS-10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	322853		
332	96.6	77.8	116.6	
141	27.5	22.7	34.1	

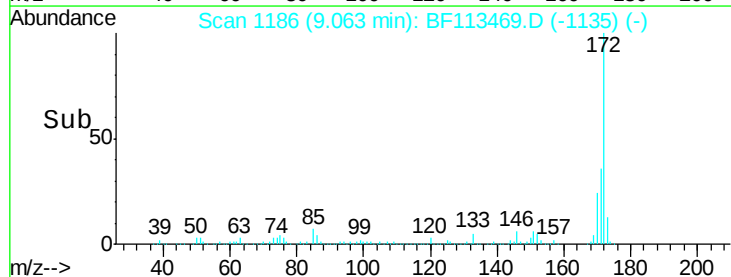
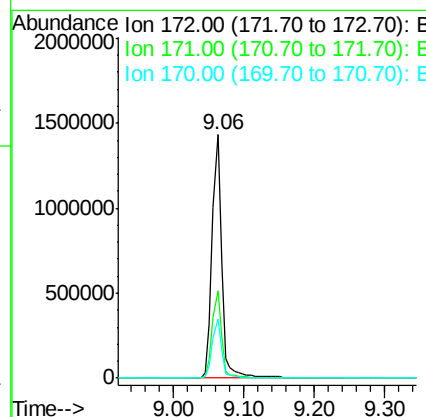
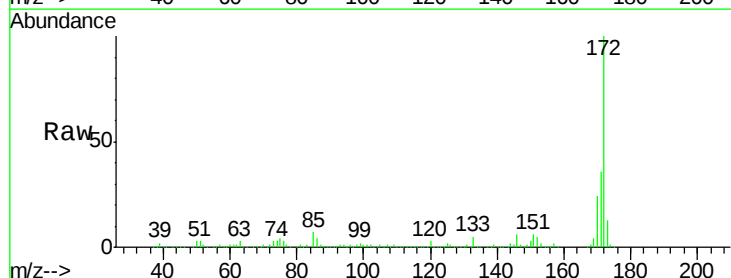
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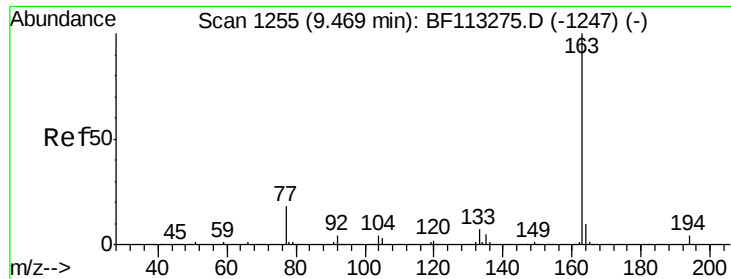
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#45
 2-Fluorobiphenyl
 Concen: 90.301 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF113469.D
 Acq: 1 Apr 2019 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1371964		
171	35.8	29.0	43.6	
170	24.3	19.5	29.3	





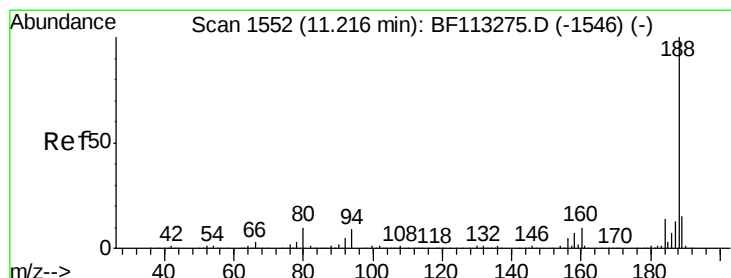
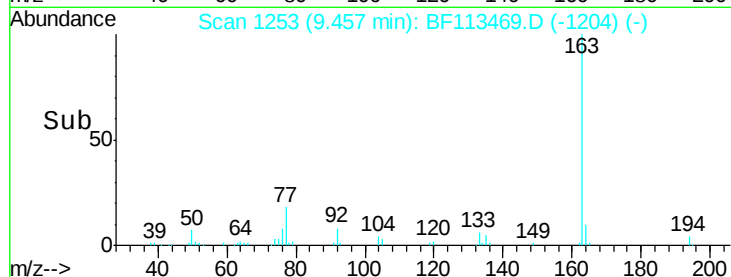
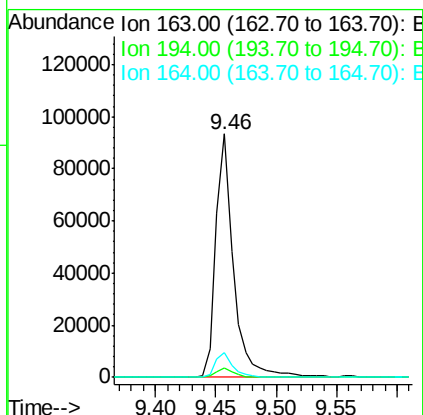
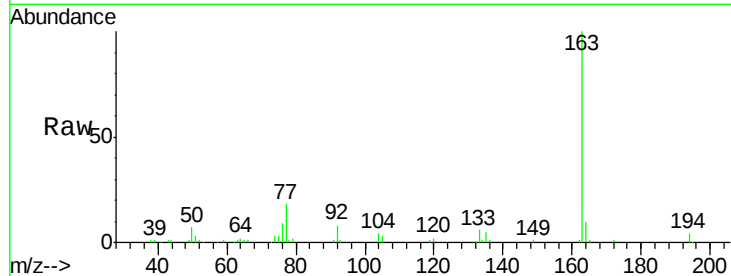
#50
Dimethylphthalate
Concen: 5.276 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Instrument :
BNA_F
ClientSampleId :
CS-10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.1	8.1	12.1

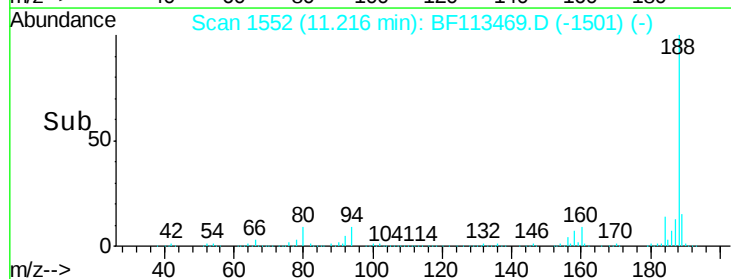
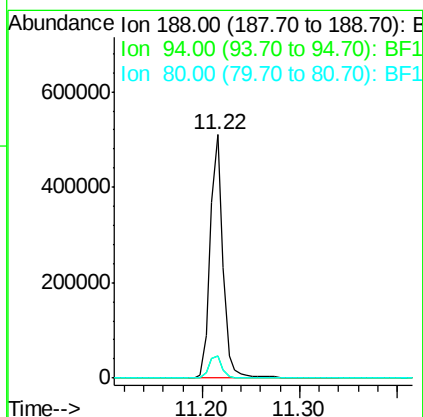
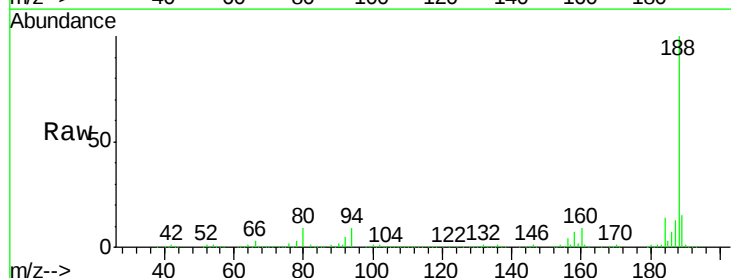
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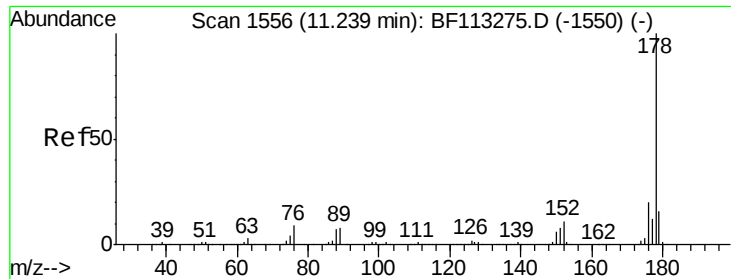
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.0	10.6
80	9.0	7.7	11.5





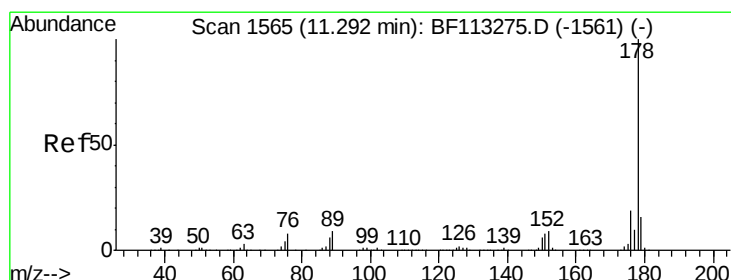
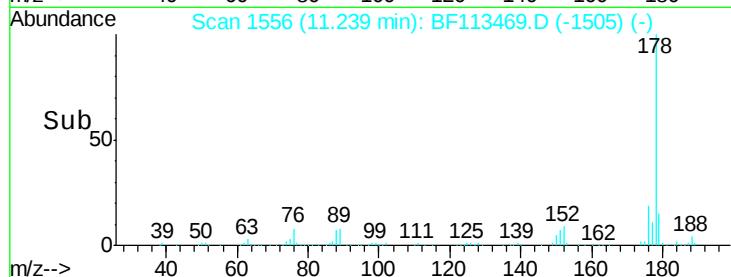
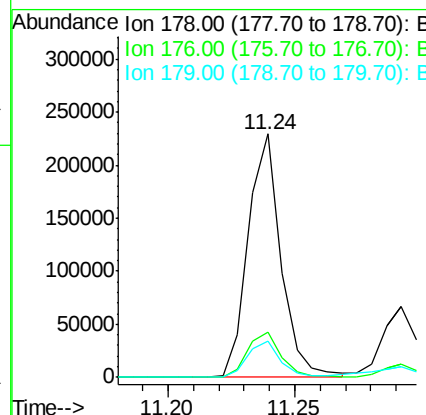
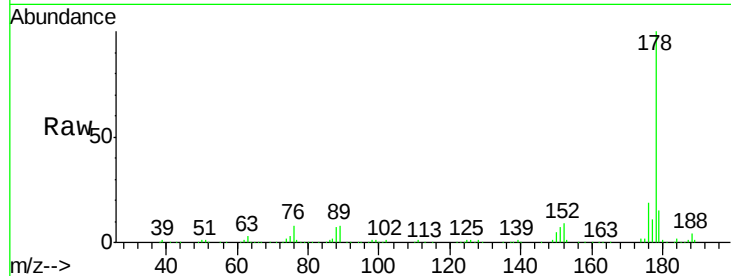
#71
Phenanthrene
Concen: 9.020 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Instrument :
BNA_F
ClientSampleId :
CS-10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.2
179	14.7	12.7	19.1

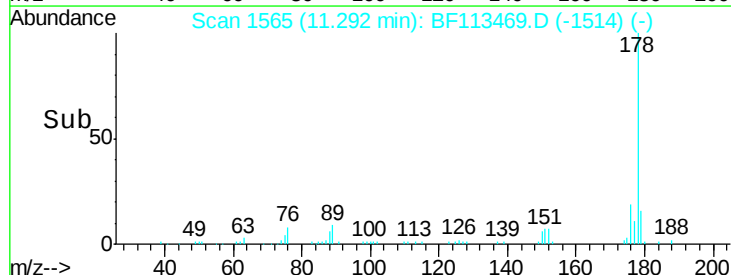
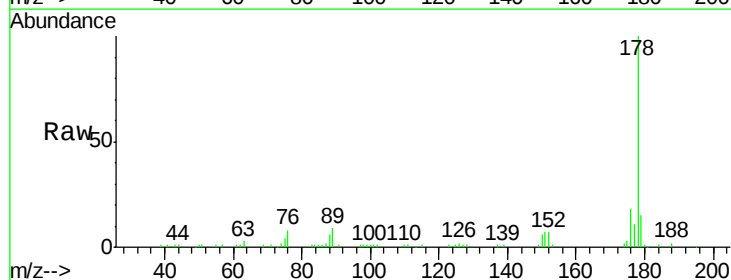
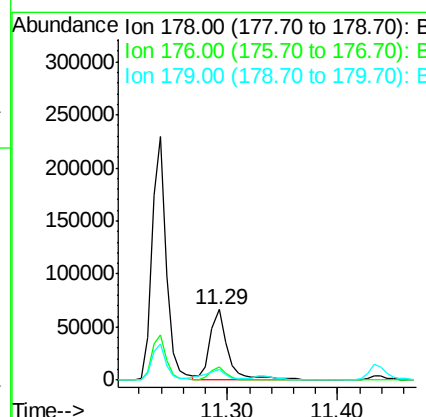
Manual Integrations
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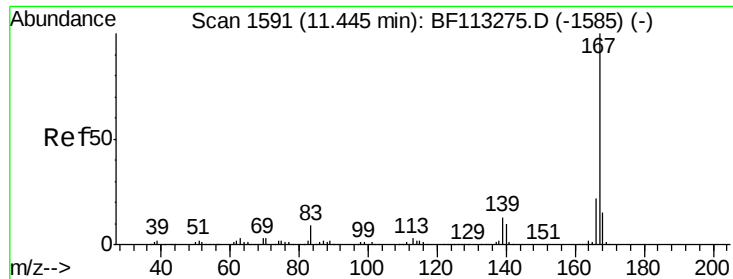
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#72
Anthracene
Concen: 3.092 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.00 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.4	12.8	19.2





#73

Carbazole

Concen: 3.683 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.01 min

Lab File: BF113469.D

Acq: 1 Apr 2019 16:28

Instrument :

BNA_F

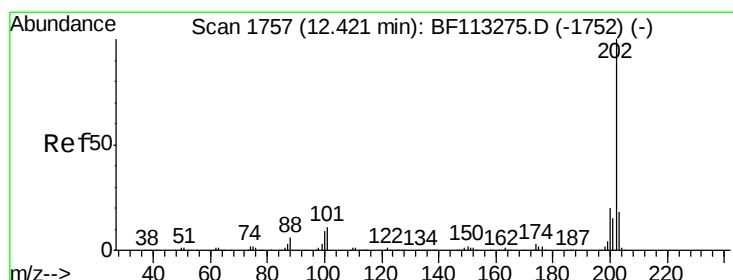
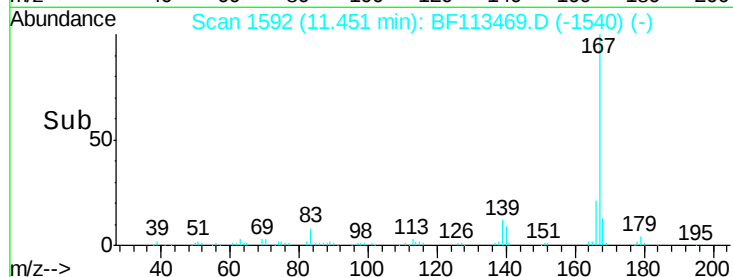
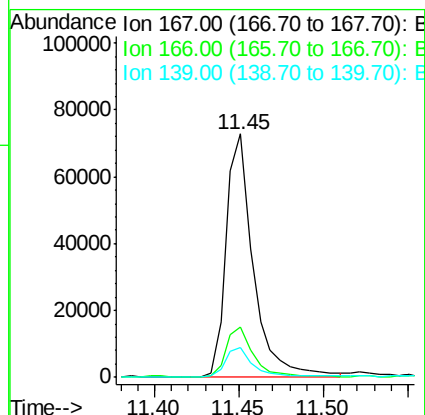
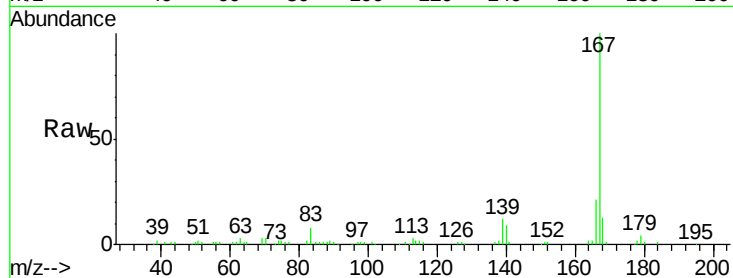
ClientSampleId :

CS-10

Tgt Ion:	167	Resp:	82164
Ion Ratio		Lower	Upper
167	100		
166	20.7	17.4	26.0
139	12.0	10.4	15.6

Manual Integrations
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#75

Fluoranthene

Concen: 39.293 ng

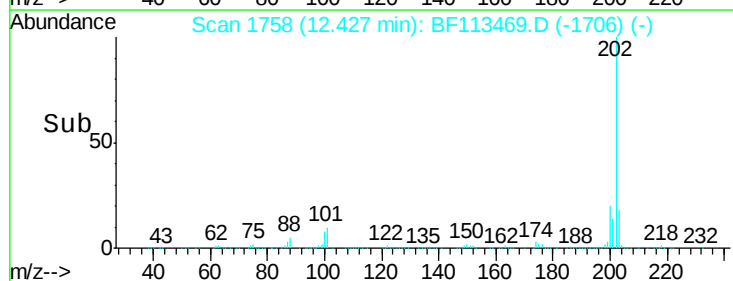
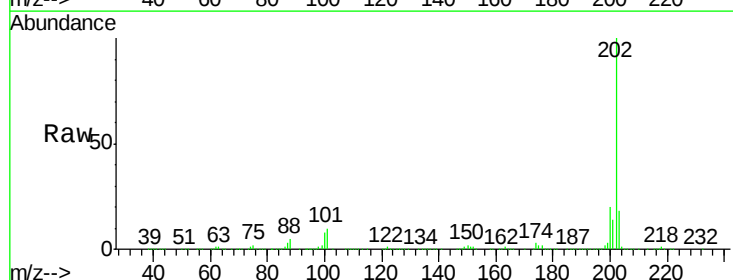
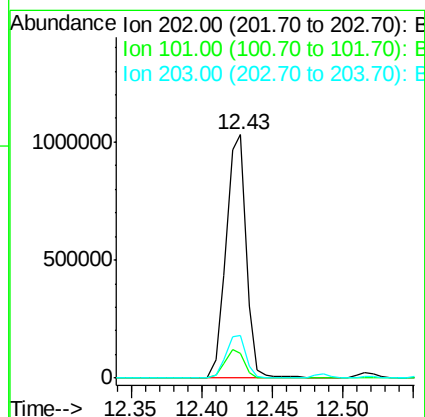
RT: 12.43 min Scan# 1758

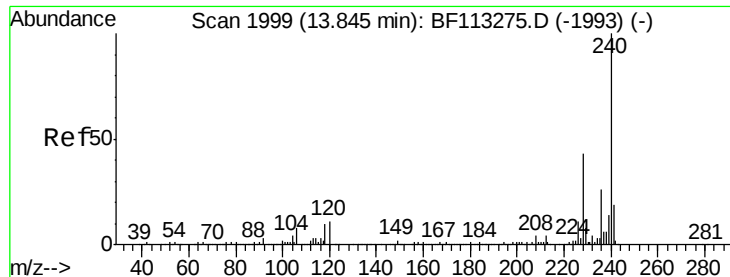
Delta R.T. 0.01 min

Lab File: BF113469.D

Acq: 1 Apr 2019 16:28

Tgt Ion:	202	Resp:	1022357
Ion Ratio		Lower	Upper
202	100		
101	10.1	0.0	31.4
203	17.7	0.0	38.0





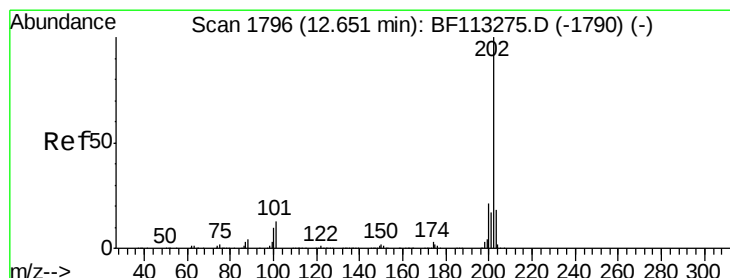
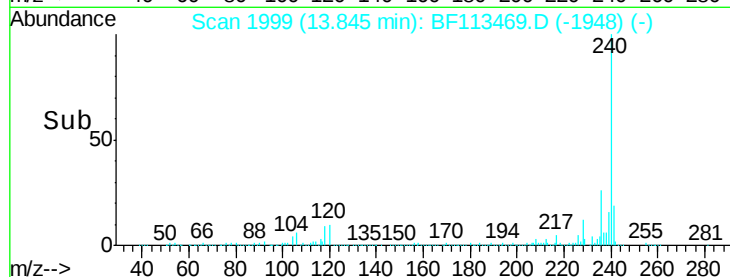
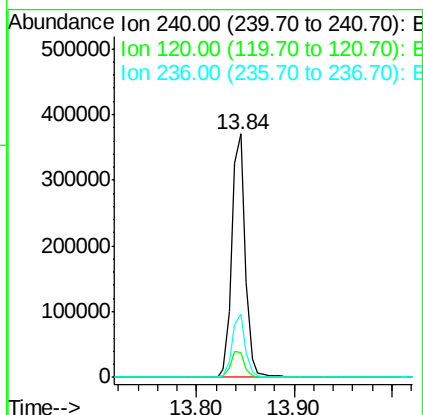
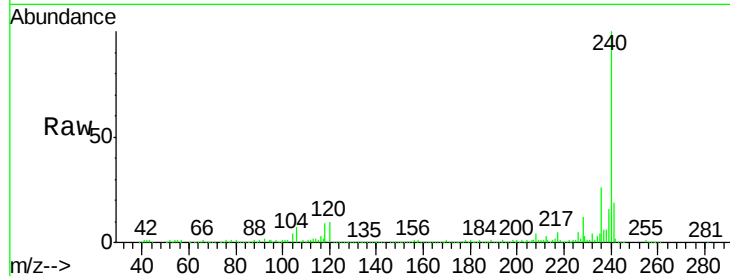
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1999
Delta R.T. 0.00 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Instrument :
BNA_F
ClientSampled :
CS-10

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	355680		
120	10.0	8.8	13.2	
236	26.1	20.9	31.3	

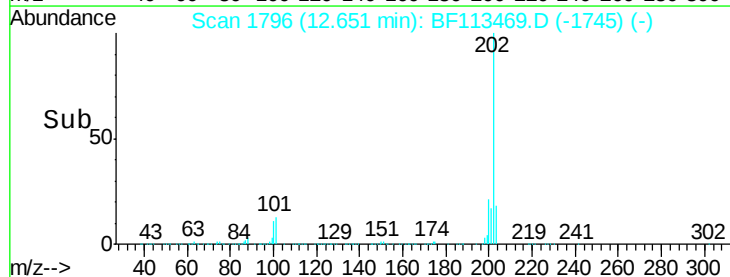
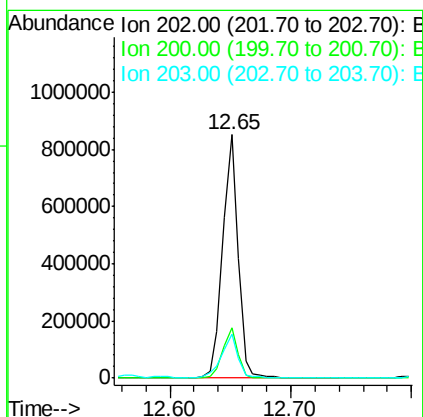
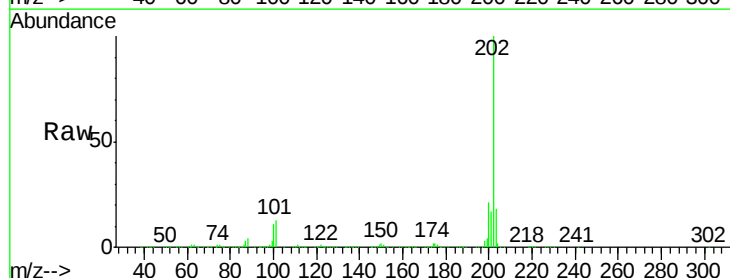
Manual Integrations
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#78
Pyrene
Concen: 30.249 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.00 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	745554		
200	20.5	16.8	25.2	
203	17.9	14.4	21.6	





#79

Terphenyl-d14

Concen: 82.572 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF113469.D

Acq: 1 Apr 2019 16:28

Instrument :

BNA_F

ClientSampleId :

CS-10

Tgt Ion:244 Resp: 1332445

Ion Ratio Lower Upper

244 100

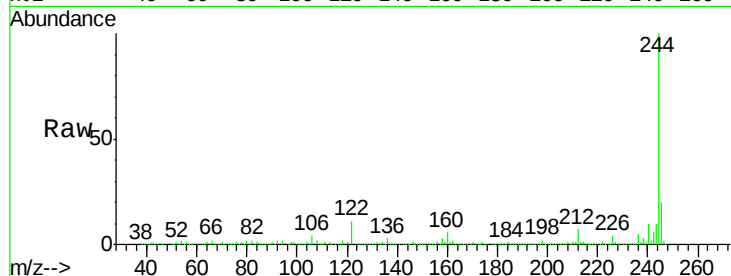
212 6.6 5.5 8.3

122 11.4 8.6 13.0

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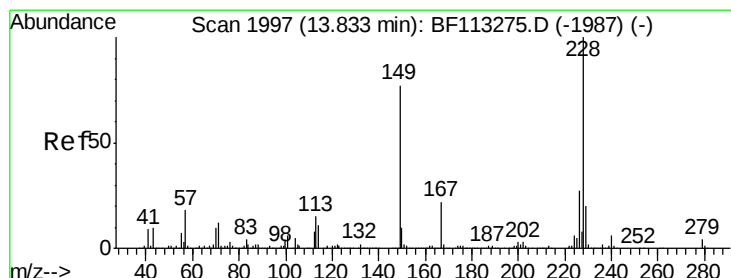
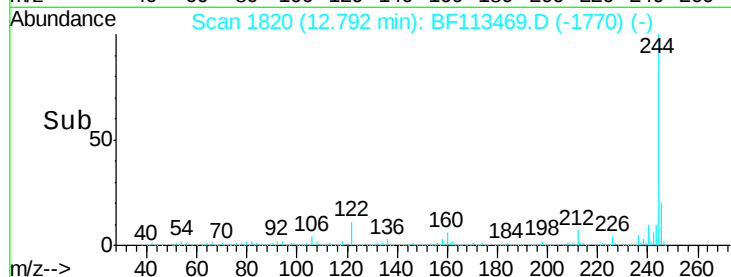
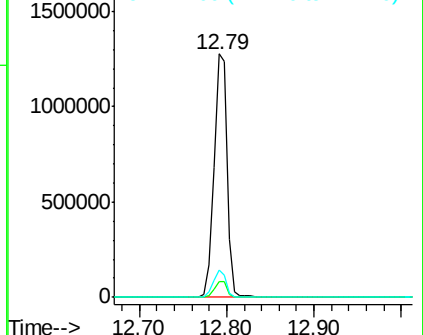
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.191 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF113469.D

Acq: 1 Apr 2019 16:28

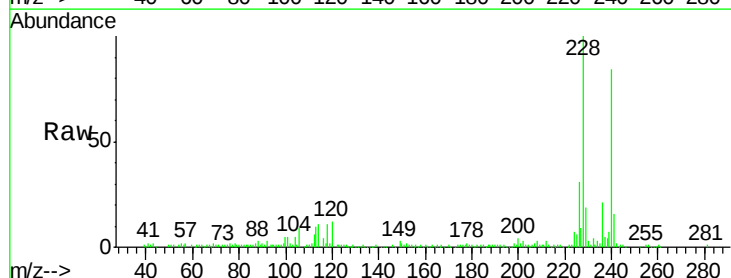
Tgt Ion:228 Resp: 126049

Ion Ratio Lower Upper

228 100

226 30.7 21.8 32.8

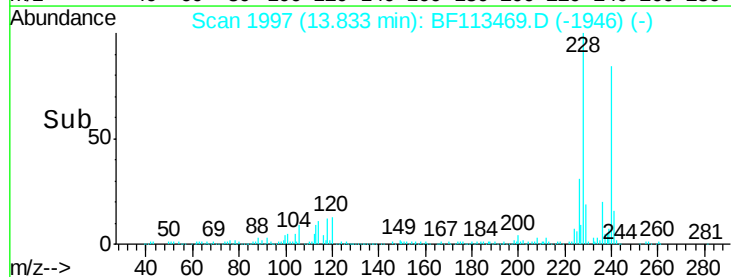
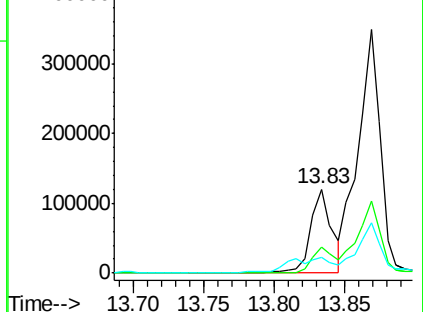
229 19.5 16.2 24.4

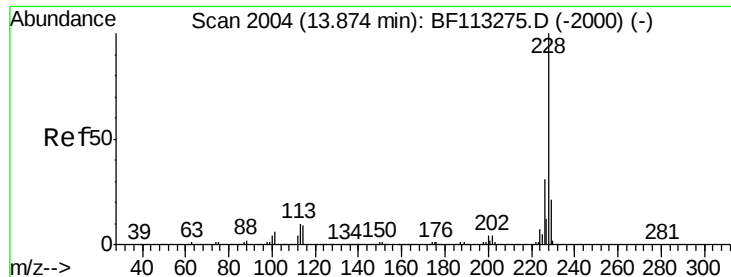


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





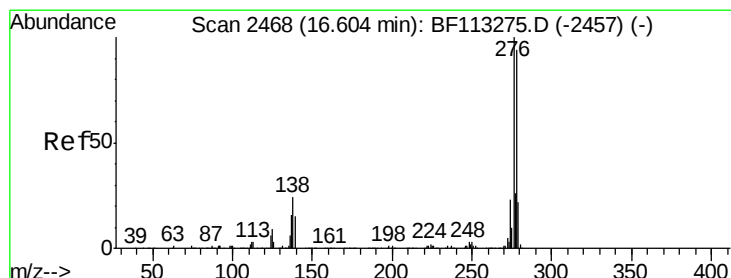
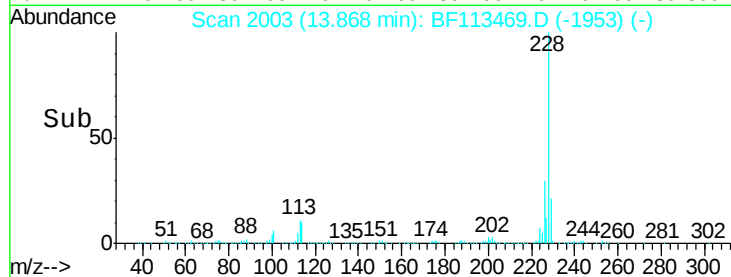
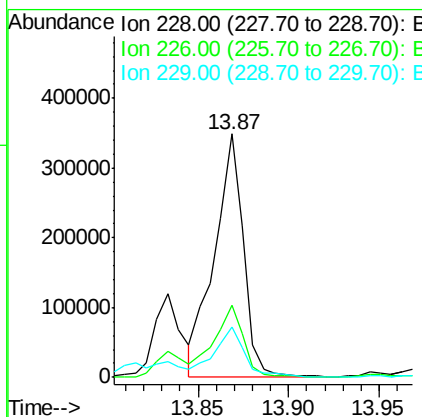
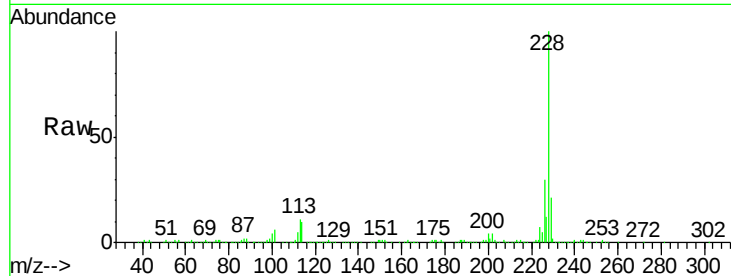
#83
Chrysene
Concen: 18.651 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Instrument :
BNA_F
ClientSampleId :
CS-10

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	385694		
226	29.7	24.3	36.5	
229	20.9	16.3	24.5	

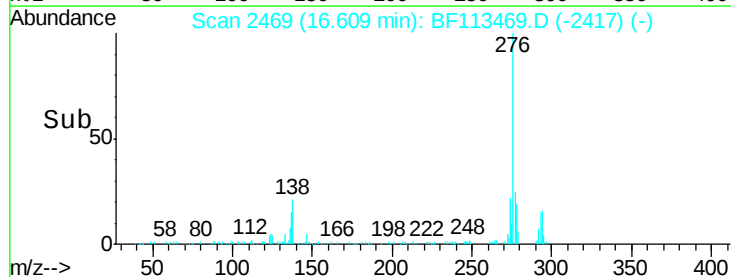
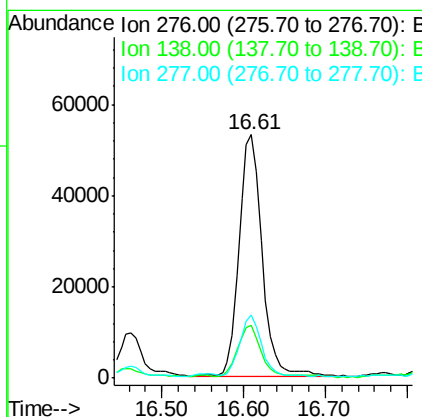
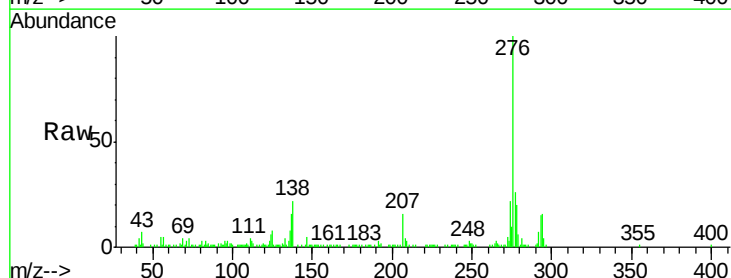
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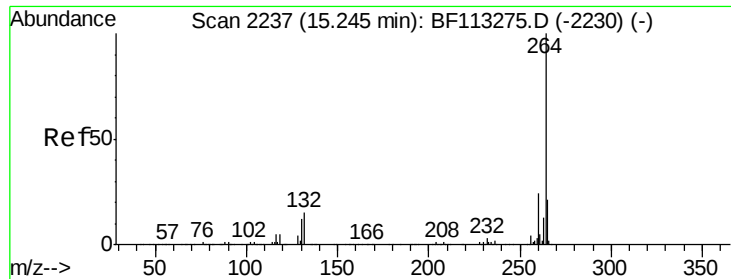
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.888 ng
RT: 16.61 min Scan# 2469
Delta R.T. 0.01 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	104503		
138	20.3	18.1	27.1	
277	23.8	20.2	30.4	





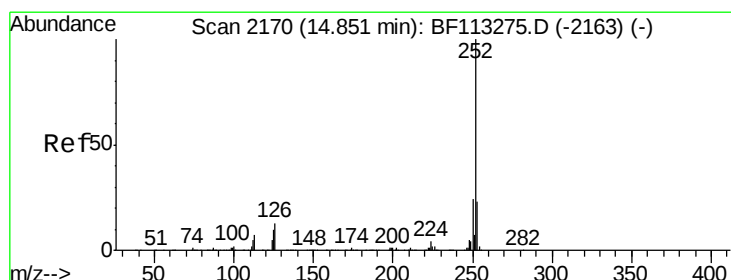
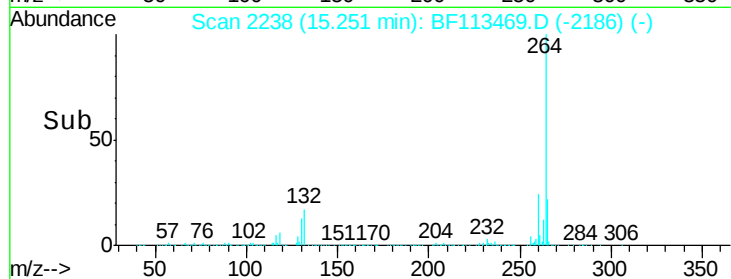
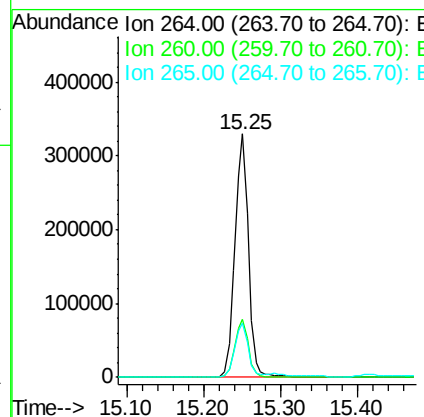
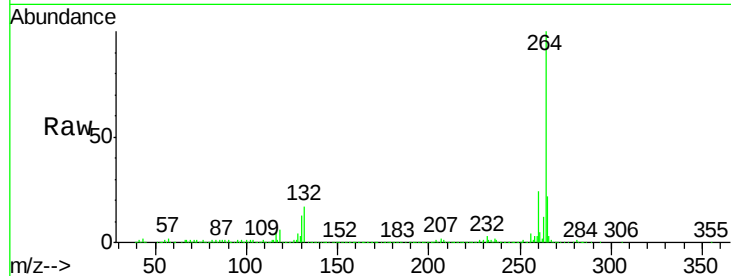
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Instrument :
BNA_F
ClientSampleId :
CS-10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	22.1	17.1	25.7

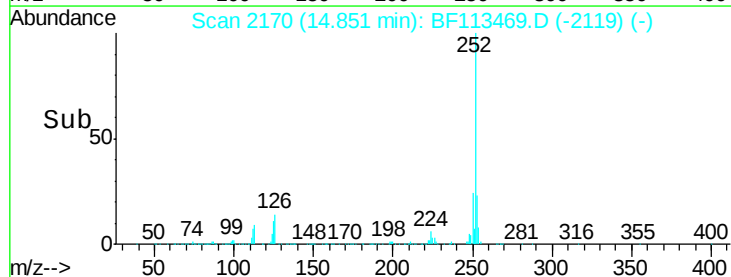
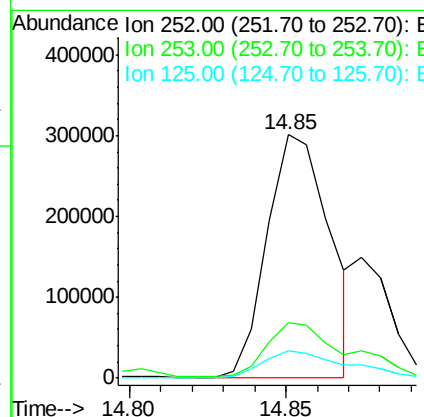
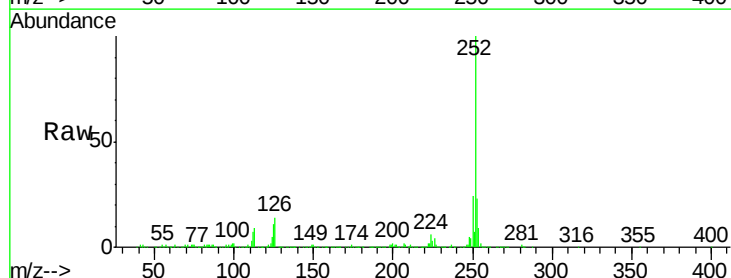
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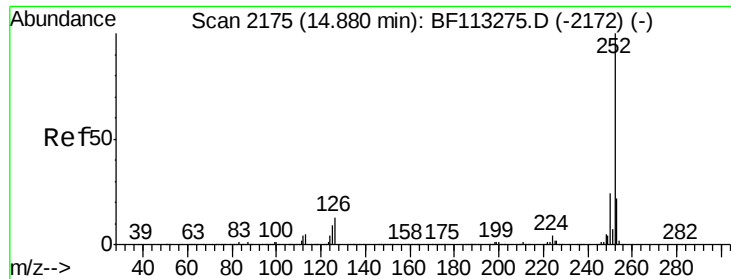
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#88
Benzo(b)fluoranthene
Concen: 16.509 ng m
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	11.1	7.6	11.4





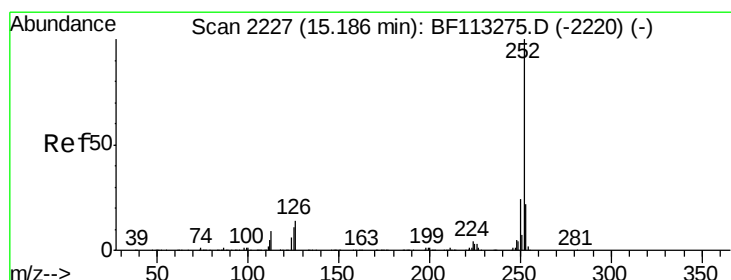
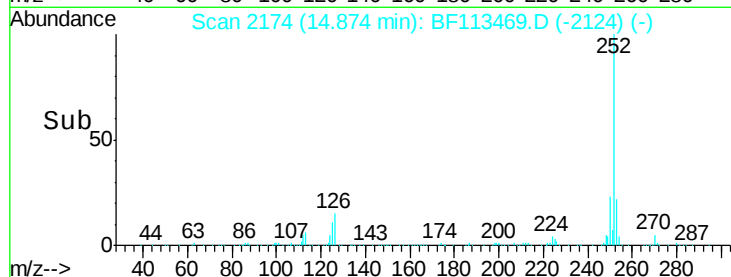
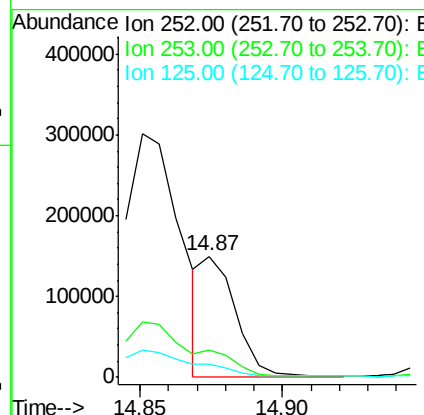
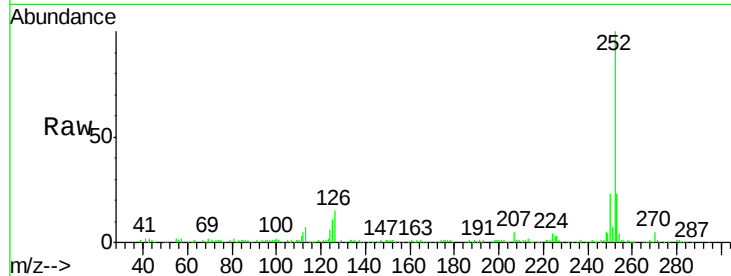
#89
Benzo(k)fluoranthene
Concen: 5.680 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Instrument :
BNA_F
ClientSampleId :
CS-10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	11.3	7.3	10.9

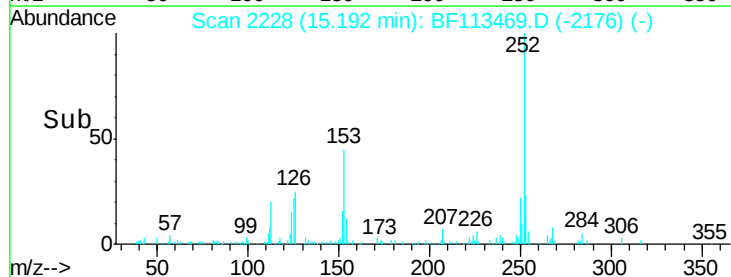
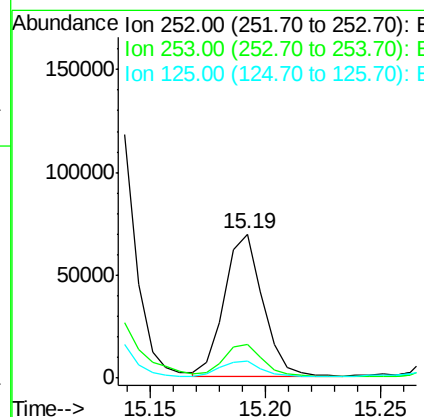
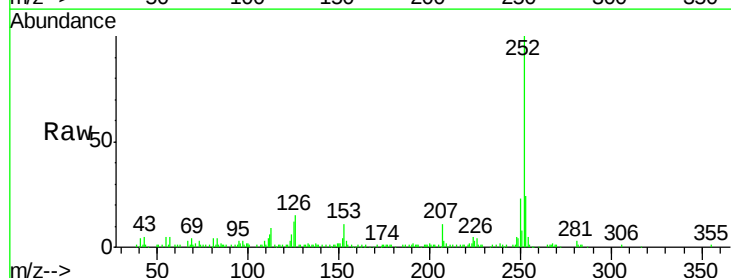
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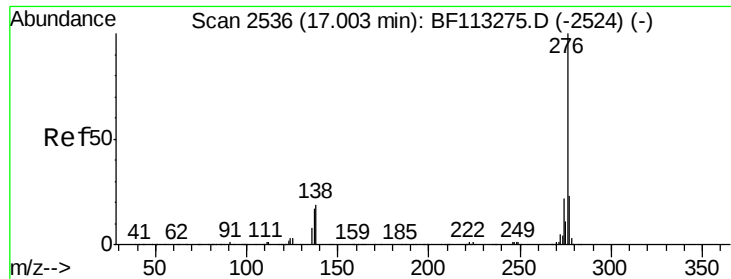
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#90
Benzo(a)pyrene
Concen: 3.612 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF113469.D
Acq: 1 Apr 2019 16:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	12.2	8.8	13.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.509 ng
 RT: 17.02 min Scan# 2538
 Delta R.T. 0.01 min
 Lab File: BF113469.D
 Acq: 1 Apr 2019 16:28

Instrument :
 BNA_F
 ClientSampleId :
 CS-10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.8	28.2
138	22.5	15.6	23.4

Manual Integrations
 APPROVED

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