

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111974.D
 Acq On : 10 Jan 2019 3:27
 Operator : JU/SJ
 Sample : K1044-05DL 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-10(10-15)DL

Manual Integrations
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Sohil
 1/10/2019 11:46:15 AM

Quant Time: Jan 10 07:16:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	116530	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	446203	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	162417	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	282848	20.00	ng	0.00
76) Chrysene-d12	14.06	240	193151	20.00	ng	0.00
87) Perylene-d12	15.55	264	152596	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	58247	8.55	ng	0.00
7) Phenol-d6	6.52	99	75560	8.61	ng	-0.01
23) Nitrobenzene-d5	7.44	82	41976	5.03	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	15091	7.14	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	72389	6.50	ng	-0.01
79) Terphenyl-d14	13.00	244	64499	6.34	ng	0.00
Target Compounds						
52) Acenaphthene	9.96	154	34618	3.406	ng	Qvalue 95
58) Fluorene	10.47	166	51420	4.781	ng	94
71) Phenanthrene	11.44	178	354612	23.449	ng	99
72) Anthracene	11.49	178	104649	6.817	ng	99
75) Fluoranthene	12.63	202	336144	21.652	ng	98
78) Pyrene	12.86	202	433453	32.615	ng	99
81) Benzo(a)anthracene	14.05	228	156370	14.067	ng	99
83) Chrysene	14.09	228	141952	13.393	ng	98
86) Indeno(1,2,3-cd)pyrene	17.05	276	44573	5.768	ng	97
88) Benzo(b)fluoranthene	15.12	252	111418m	12.206	ng	
89) Benzo(k)fluoranthene	15.14	252	30724m	3.581	ng	
90) Benzo(a)pyrene	15.49	252	85858	10.697	ng	# 96
91) Dibenzo(a,h)anthracene	17.06	278	15356	2.379	ng	# 80
92) Benzo(g,h,i)perylene	17.51	276	45082	7.140	ng	96

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

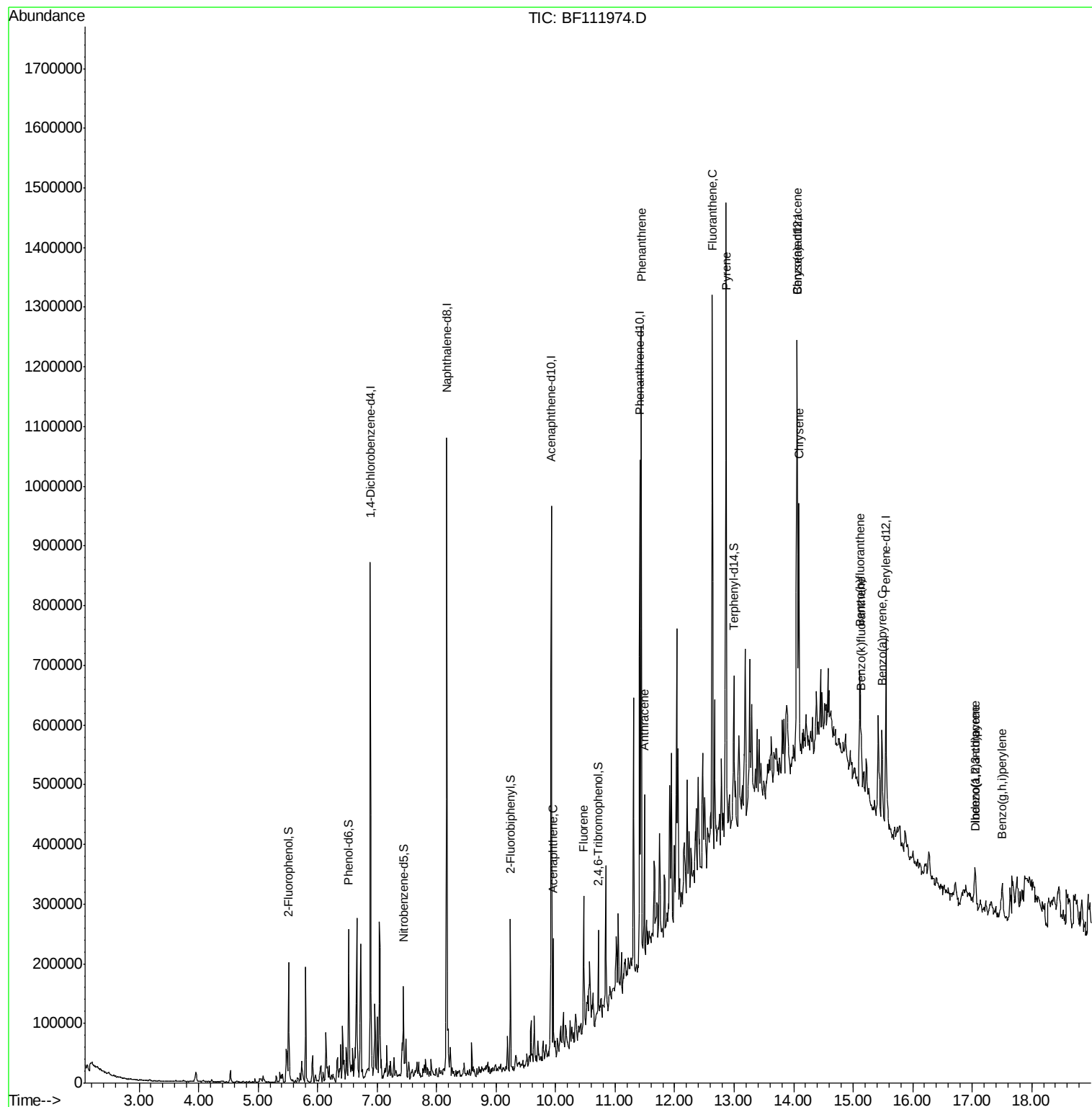
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
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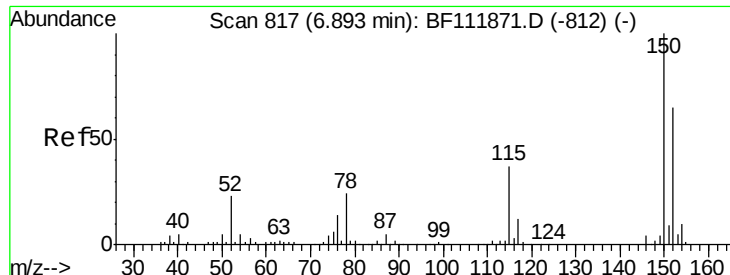
Instrument :
BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
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#1

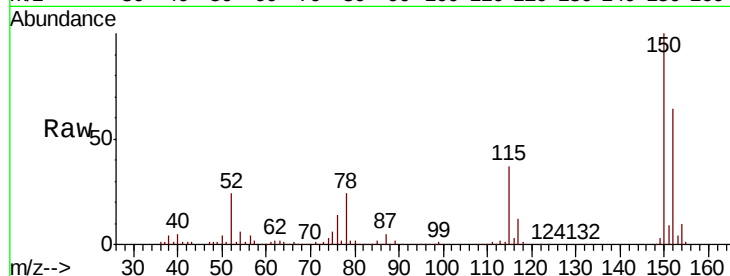
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :
CPSB-10(10-15)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	122.7	184.1
115	57.1	45.2	67.8

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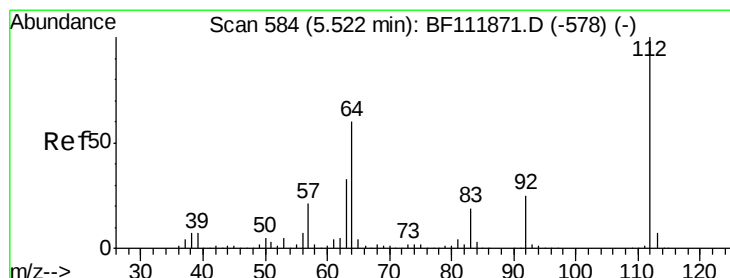
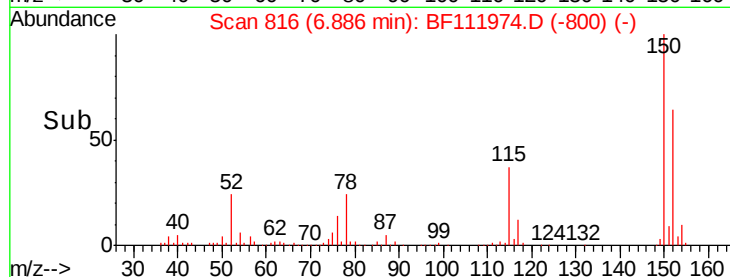
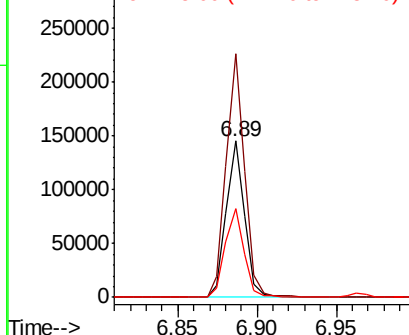


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

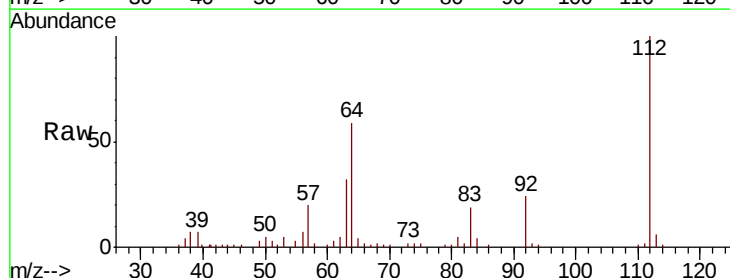
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 8.551 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	48.3	72.5
63	32.0	26.1	39.1

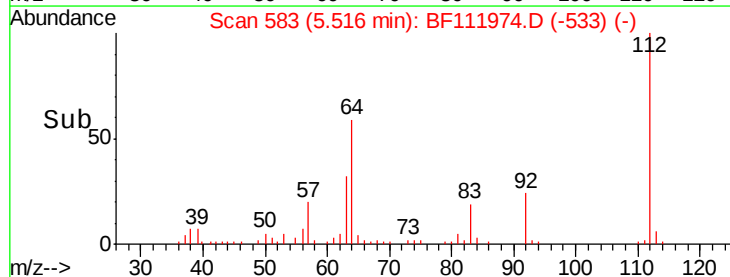
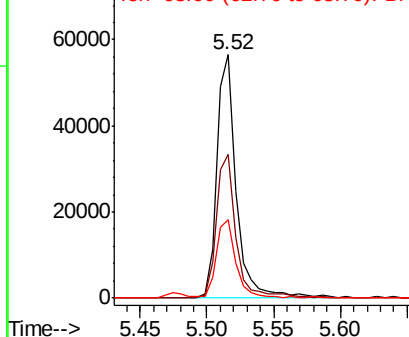


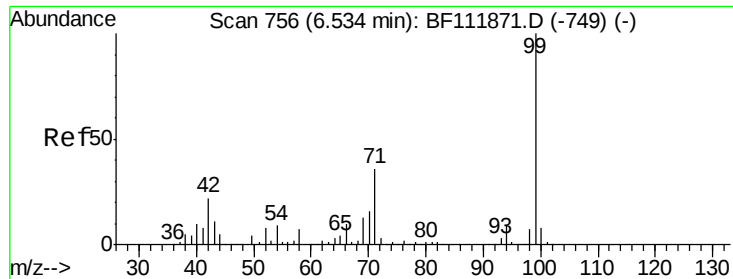
Abundance

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: 8.607 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111974.D

Acq: 10 Jan 2019 3:27

Instrument :

BNA_F

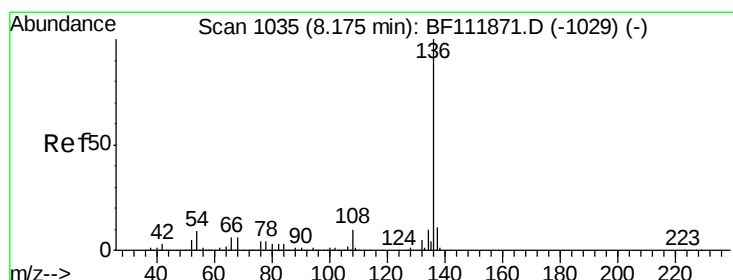
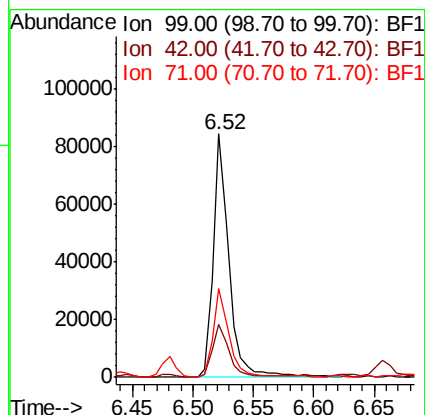
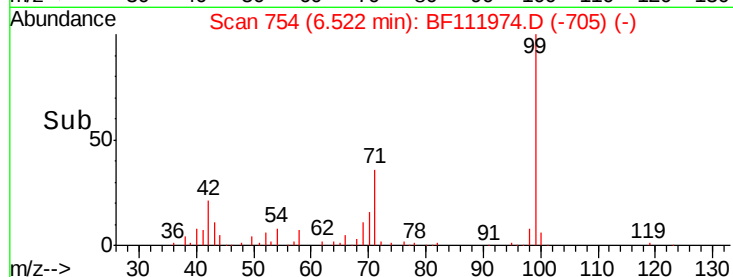
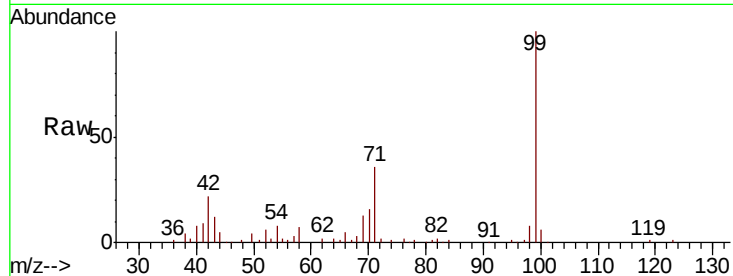
ClientSampleId :

CPSB-10(10-15)DL

Tot Ion:	99	Resp:	75560
Ion Ratio	Lower	Upper	
99	100		
42	21.6	17.9	26.9
71	36.5	28.7	43.1

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#21

Naphthalene-d8

Concen: 20.000 ng

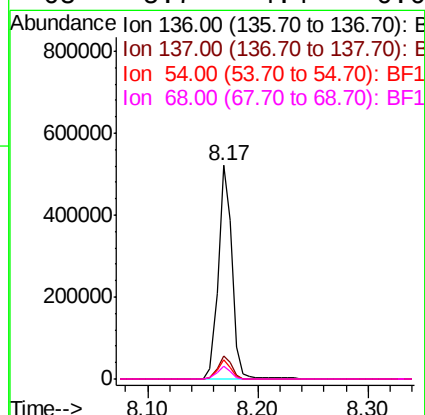
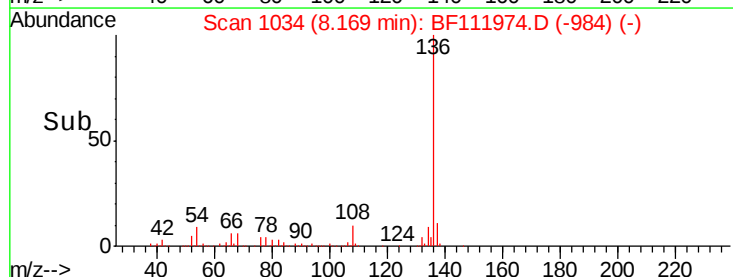
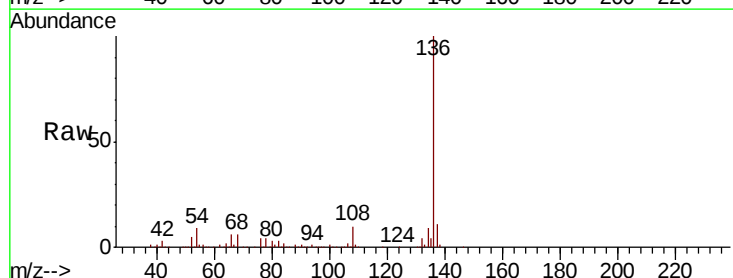
RT: 8.17 min Scan# 1034

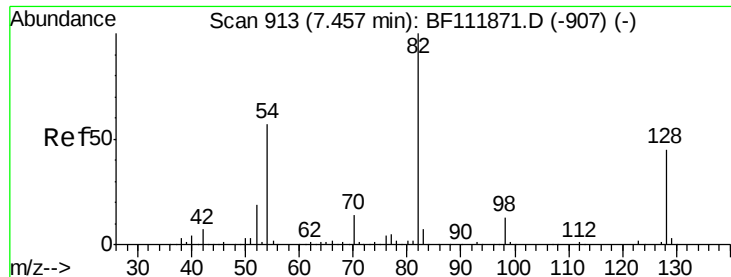
Delta R.T. -0.01 min

Lab File: BF111974.D

Acq: 10 Jan 2019 3:27

Tgt Ion:	136	Resp:	446203
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	9.1	7.2	10.8
68	5.7	4.4	6.6





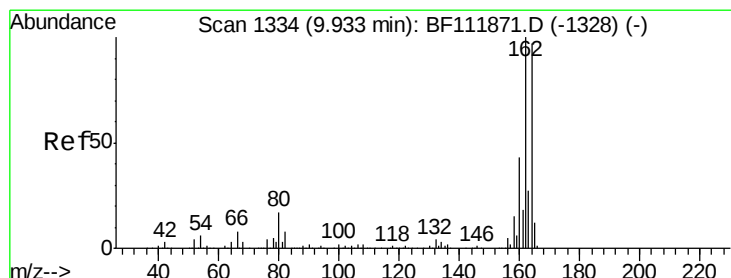
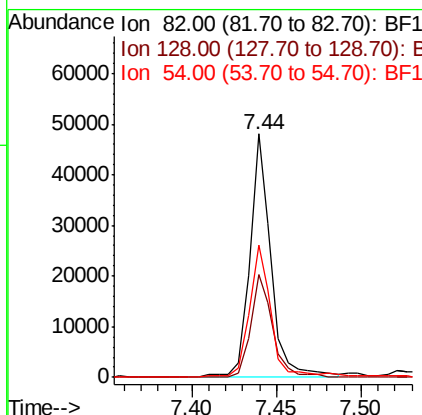
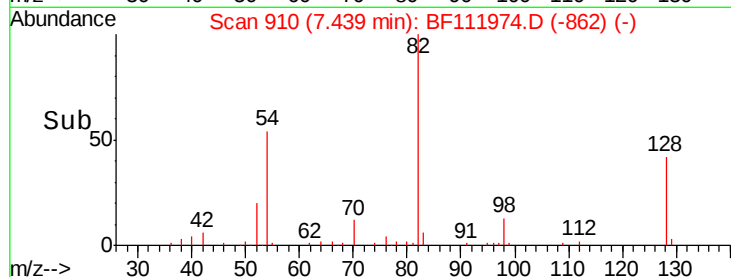
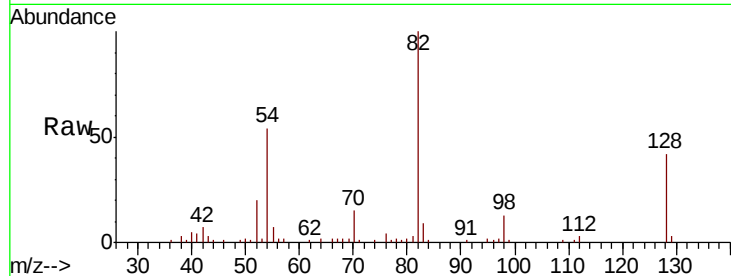
#23
Nitrobenzene-d5
Concen: 5.028 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.02 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :
CPSB-10(10-15)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.2	35.7	53.5
54	54.4	45.8	68.8

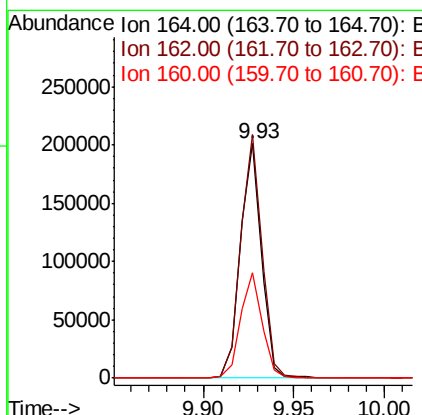
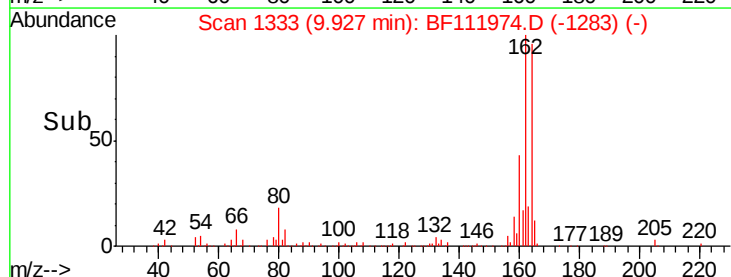
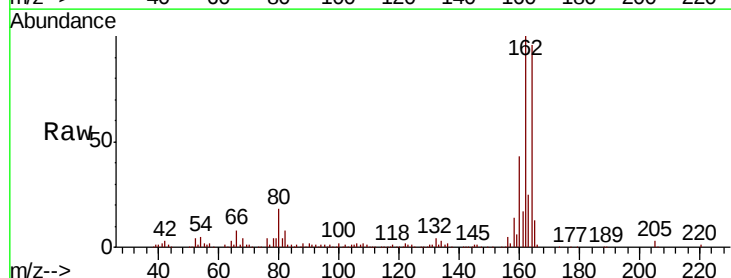
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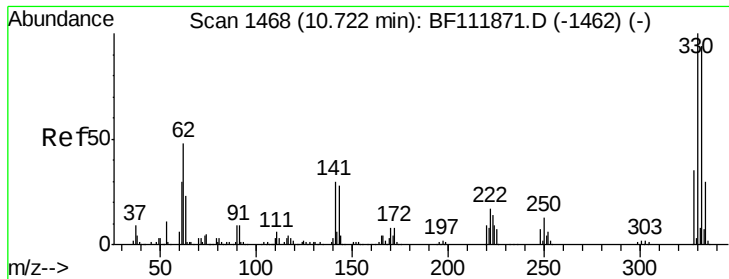
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.2	123.2
160	44.9	35.5	53.3





#42

2,4,6-Tribromophenol

Concen: 7.143 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF111974.D

Acq: 10 Jan 2019 3:27

Instrument :

BNA_F

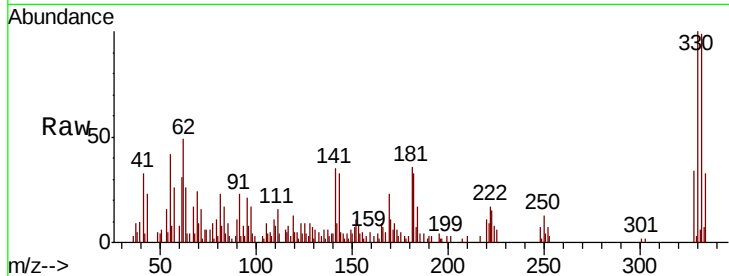
ClientSampleId :

CPSB-10(10-15)DL

Tot Ion:	330	Resp:	15091
Ion Ratio	Lower	Upper	
330	100		
332	92.3	76.9	115.3
141	32.1	23.7	35.5

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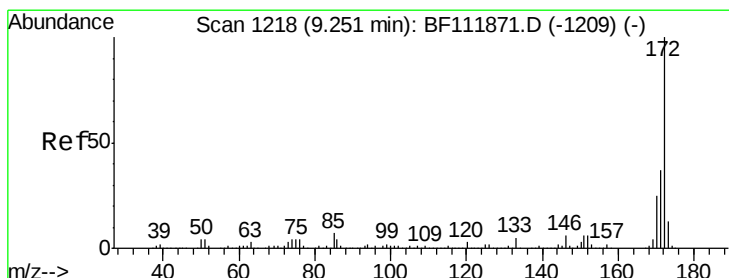
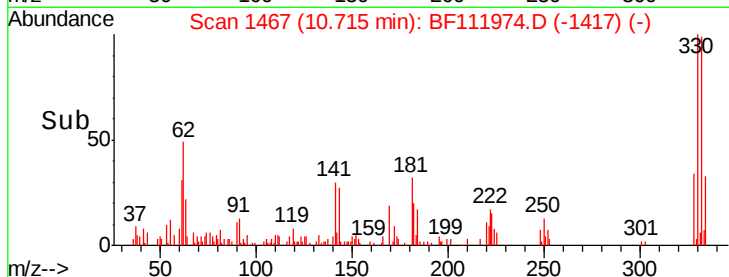
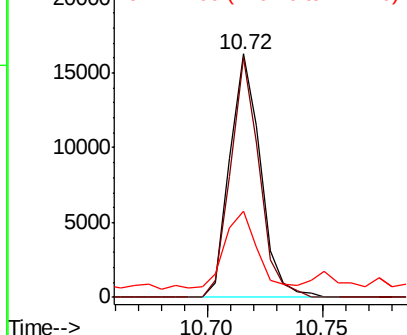


Abundance

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: 6.499 ng

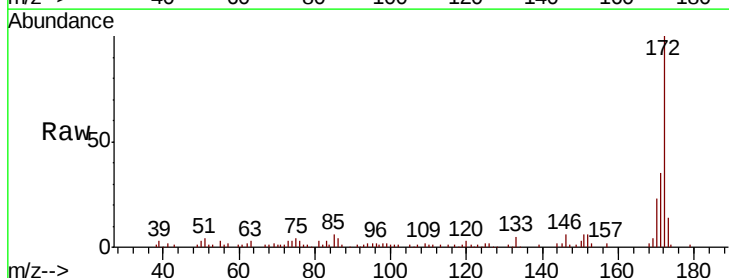
RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF111974.D

Acq: 10 Jan 2019 3:27

Tgt Ion:	172	Resp:	72389
Ion Ratio	Lower	Upper	
172	100		
171	34.7	29.6	44.4
170	22.7	19.8	29.8

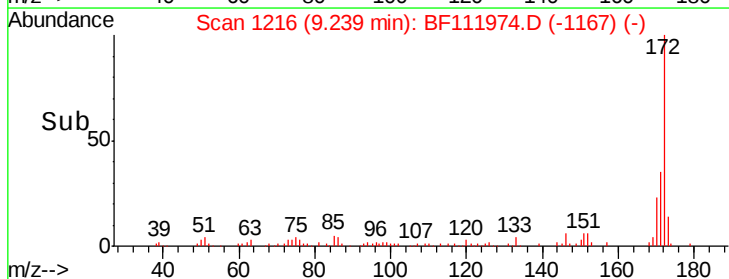
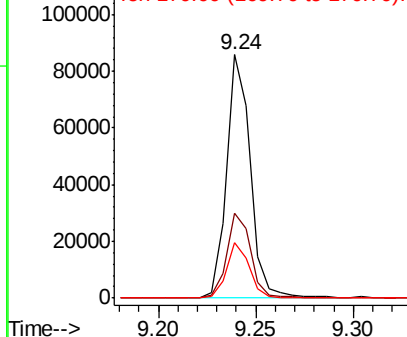


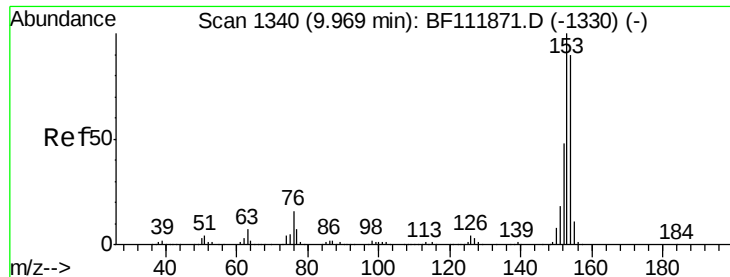
Abundance

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





#52

Acenaphthene

Concen: 3.406 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF111974.D

Acq: 10 Jan 2019 3:27

Instrument :

BNA_F

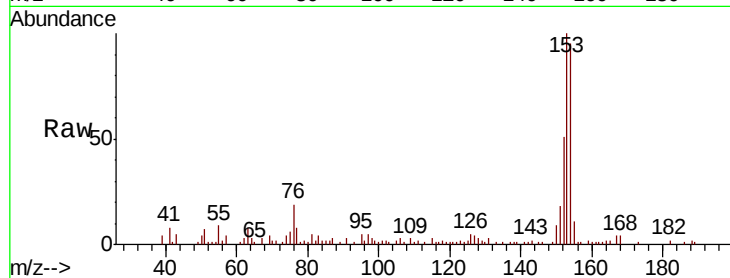
ClientSampleId :

CPSB-10(10-15)DL

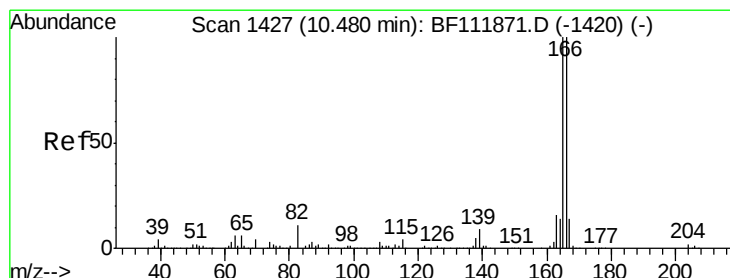
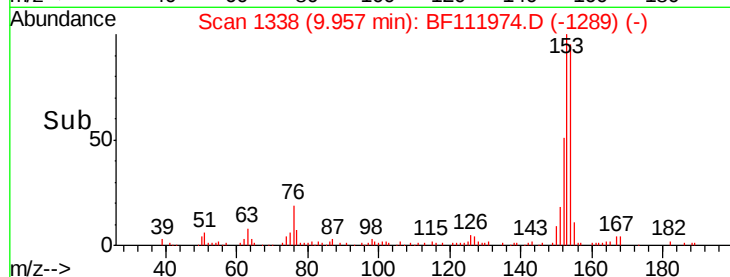
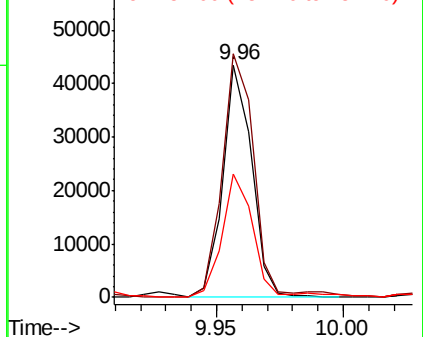
Tot Ion:	154	Resp:	34618
Ion Ratio	Lower	Upper	
154	100		
153	104.8	89.4	134.0
152	53.1	43.1	64.7

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 4.781 ng

RT: 10.47 min Scan# 1426

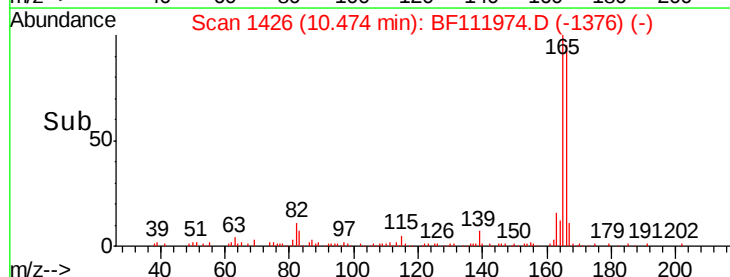
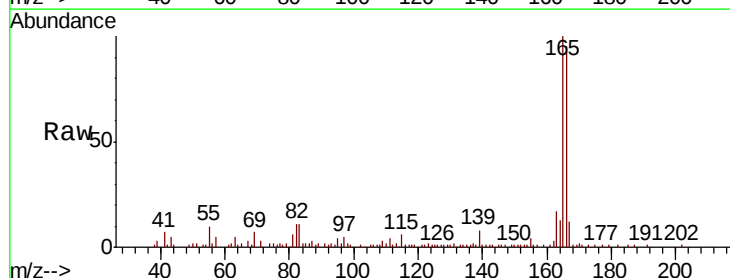
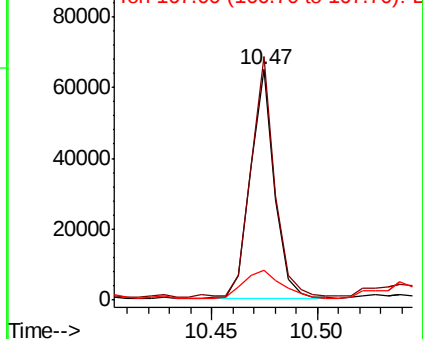
Delta R.T. -0.01 min

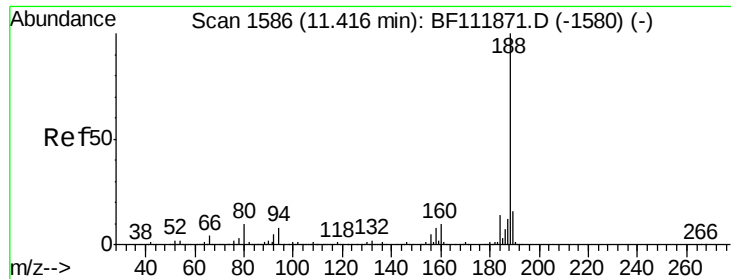
Lab File: BF111974.D

Acq: 10 Jan 2019 3:27

Tgt Ion:	166	Resp:	51420
Ion Ratio	Lower	Upper	
166	100		
165	105.6	79.7	119.5
167	13.0	11.1	16.7

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF111974.D

Acq: 10 Jan 2019 3:27

Instrument :

BNA_F

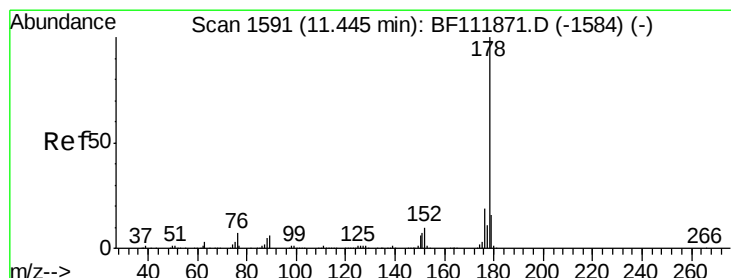
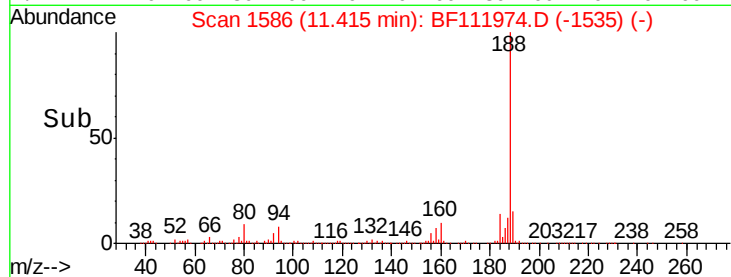
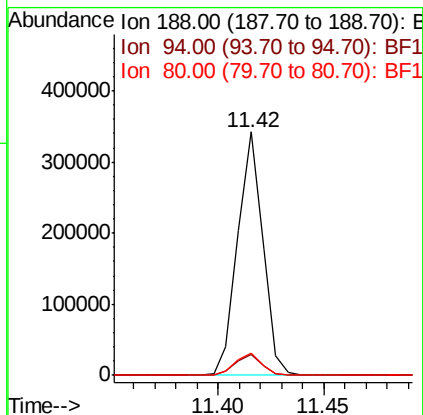
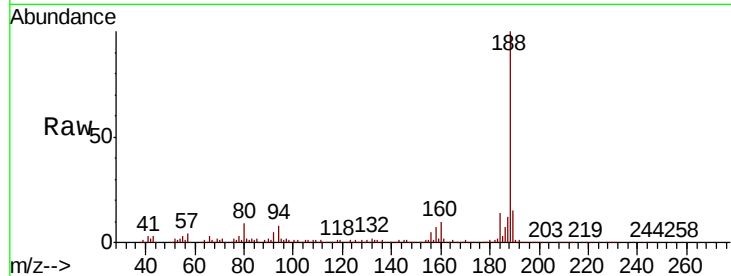
ClientSampleId :

CPSB-10(10-15)DL

Tot Ion:188	Resp:	282848
Ion Ratio	Lower	Upper
188 100		
94 8.4	6.6	10.0
80 9.0	7.7	11.5

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#71

Phenanthrene

Concen: 23.449 ng

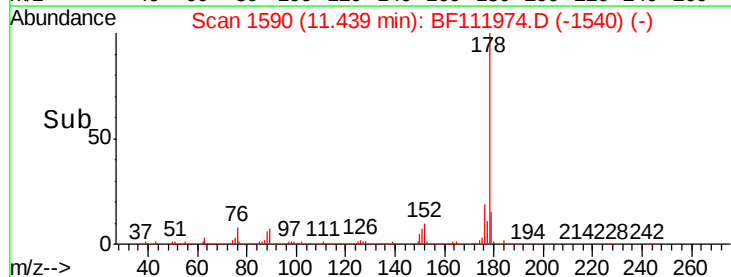
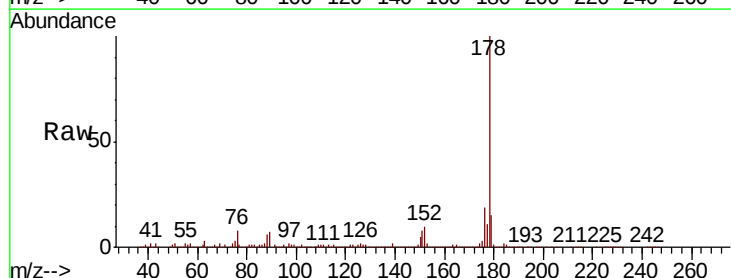
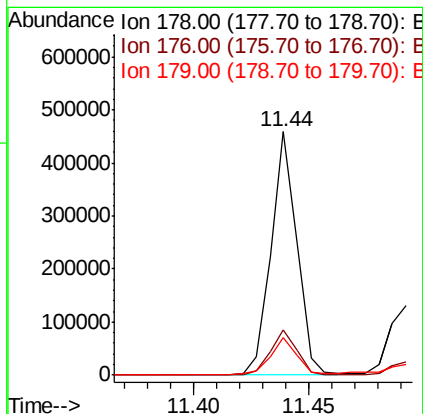
RT: 11.44 min Scan# 1590

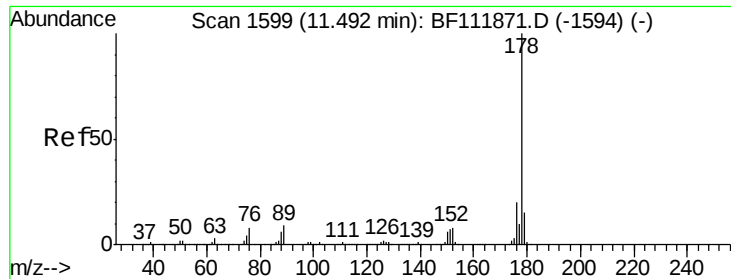
Delta R.T. -0.01 min

Lab File: BF111974.D

Acq: 10 Jan 2019 3:27

Tgt Ion:178	Resp:	354612
Ion Ratio	Lower	Upper
178 100		
176 18.6	15.6	23.4
179 15.4	12.6	18.8





#72

Anthracene

Concen: 6.817 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BF111974.D

Acq: 10 Jan 2019 3:27

Instrument :

BNA_F

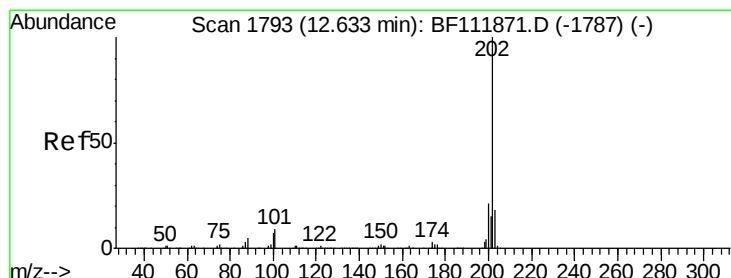
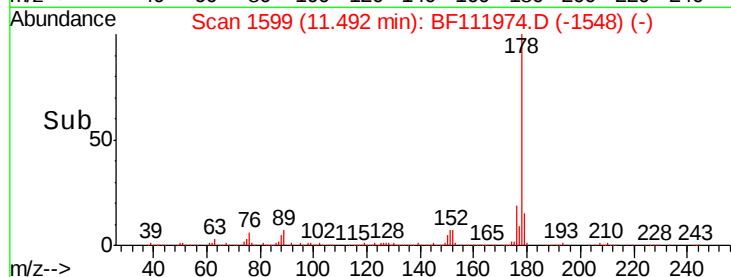
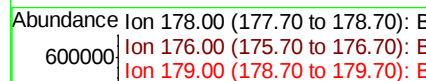
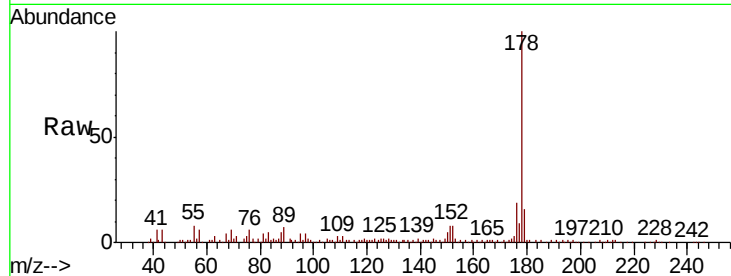
ClientSampleId :

CPSB-10(10-15)DL

Tot Ion:	178	Resp:	104649
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.7	23.5
179	15.8	12.4	18.6

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#75

Fluoranthene

Concen: 21.652 ng

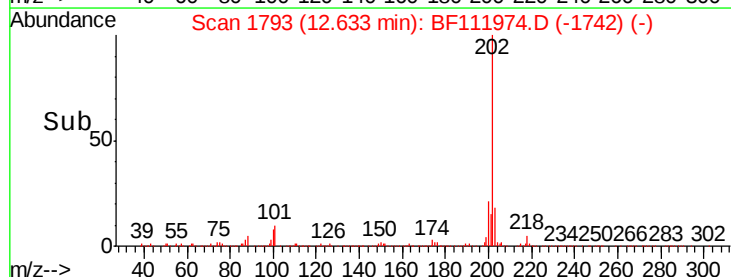
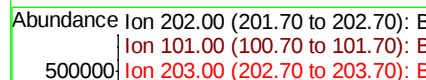
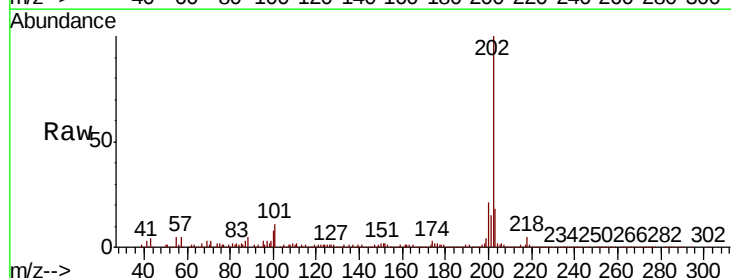
RT: 12.63 min Scan# 1793

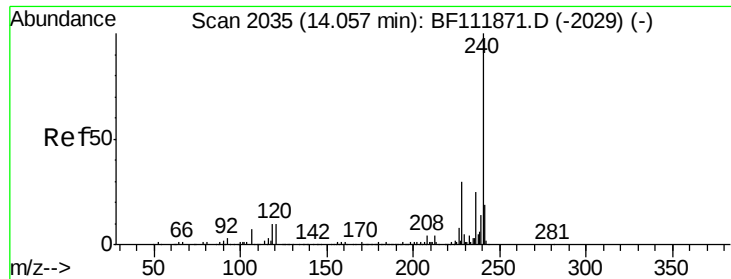
Delta R.T. -0.00 min

Lab File: BF111974.D

Acq: 10 Jan 2019 3:27

Tgt Ion:	202	Resp:	336144
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	29.3
203	18.1	0.0	37.6





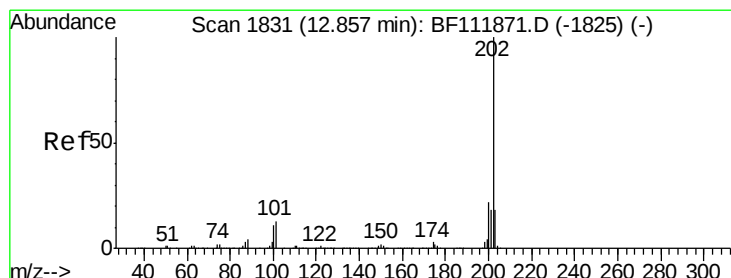
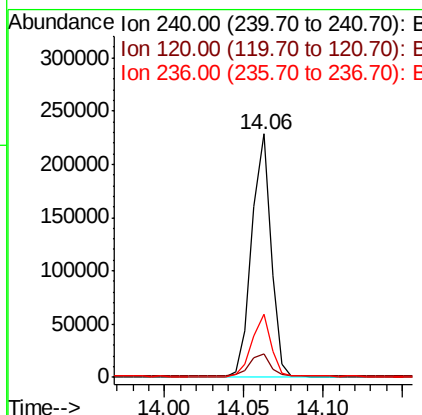
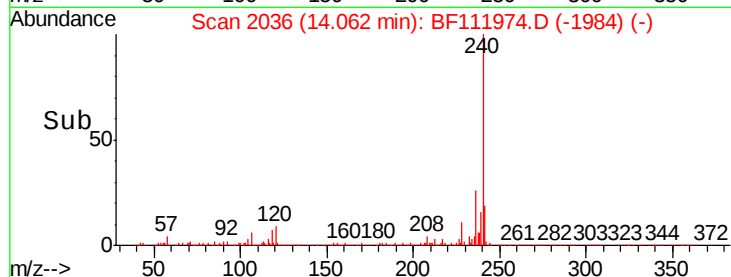
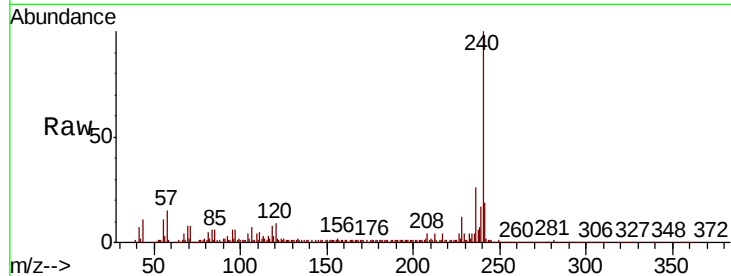
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :
CPSB-10(10-15)DL

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	9.4	8.2	12.2
236	25.9	20.2	30.4

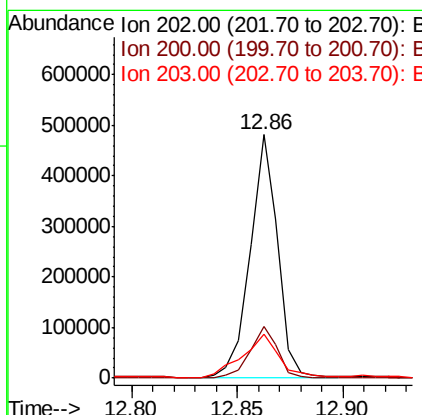
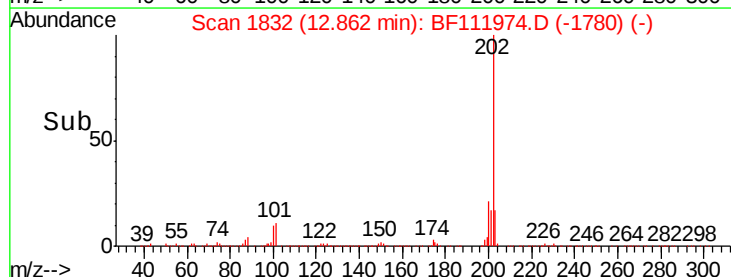
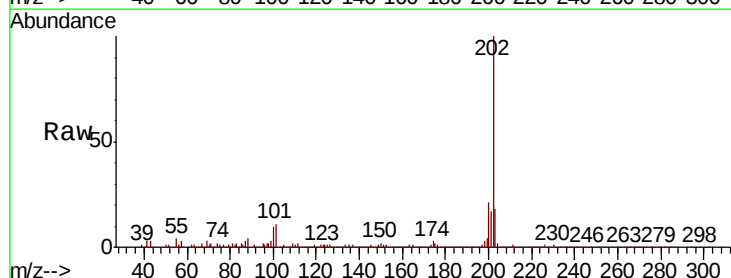
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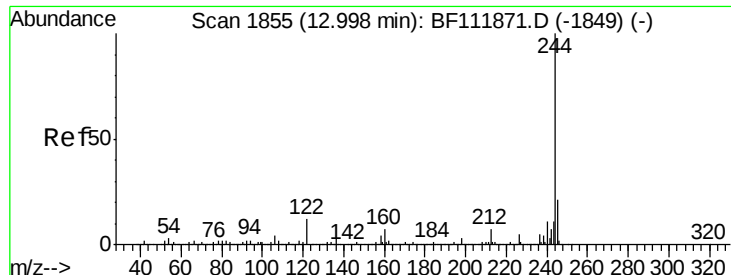
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#78
Pyrene
Concen: 32.615 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.4	17.4	26.2
203	17.9	14.6	21.8





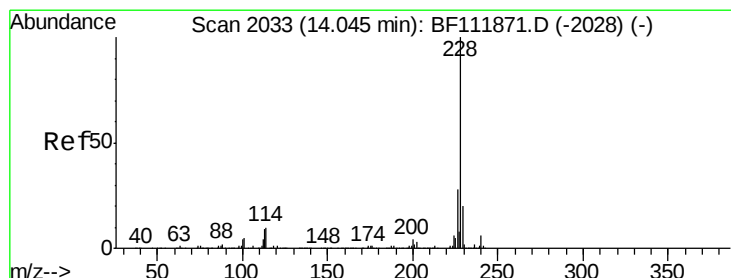
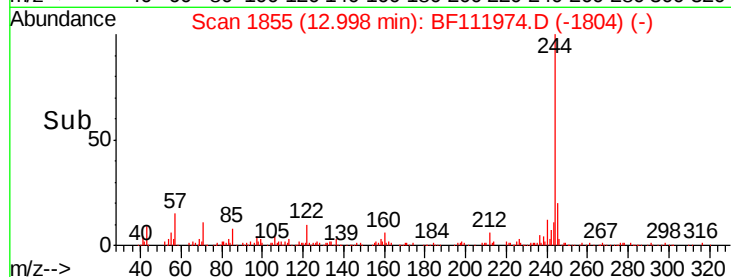
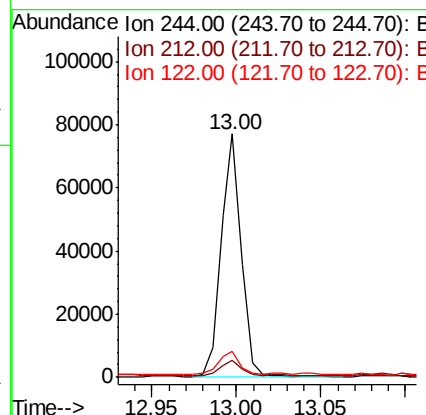
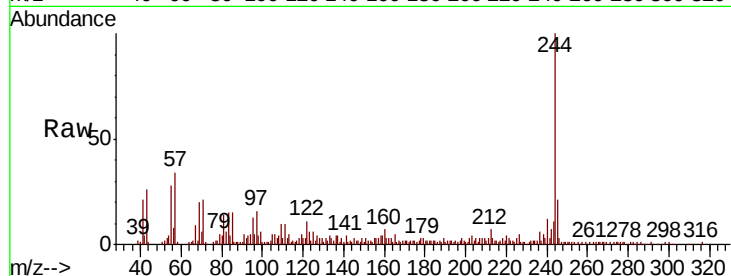
#79
 Terphenyl-d14
 Concen: 6.339 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: BF111974.D
 Acq: 10 Jan 2019 3:27

Instrument :
 BNA_F
 ClientSampleID :
 CPSB-10(10-15)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.6	9.5	14.3

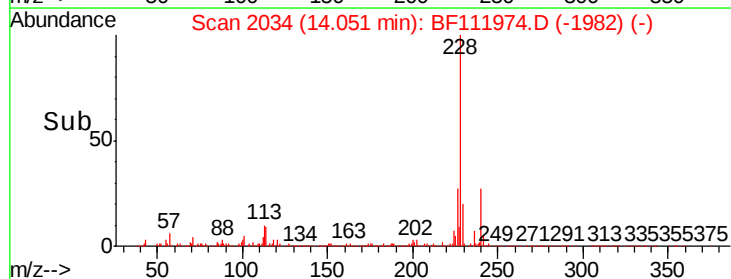
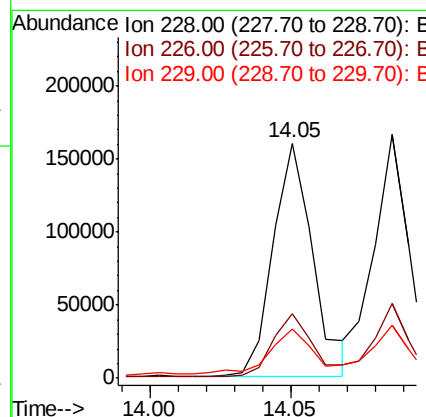
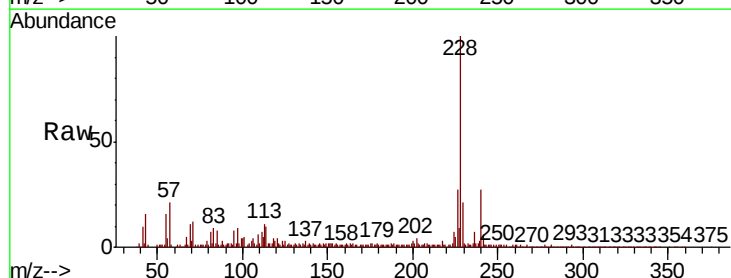
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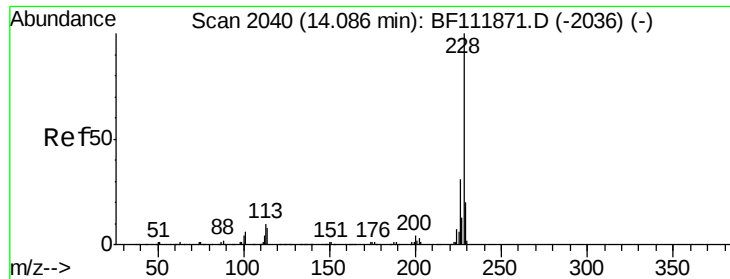
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#81
 Benzo(a)anthracene
 Concen: 14.067 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.01 min
 Lab File: BF111974.D
 Acq: 10 Jan 2019 3:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.2	33.2
229	20.9	16.2	24.2





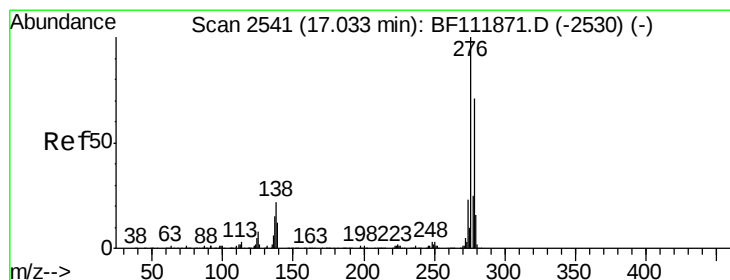
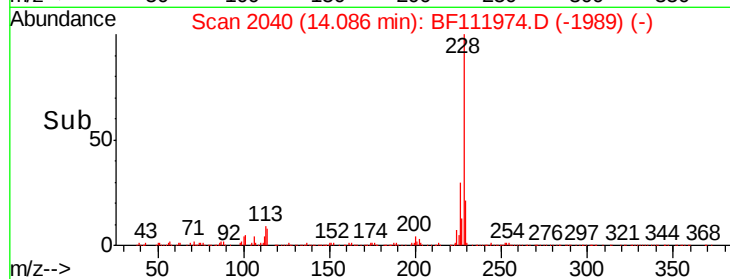
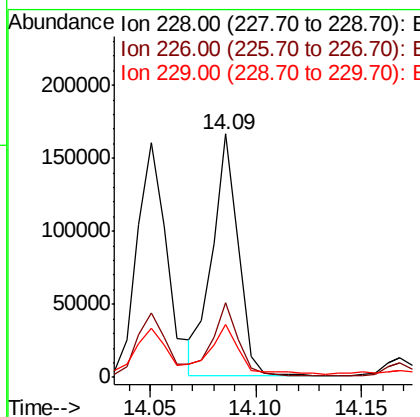
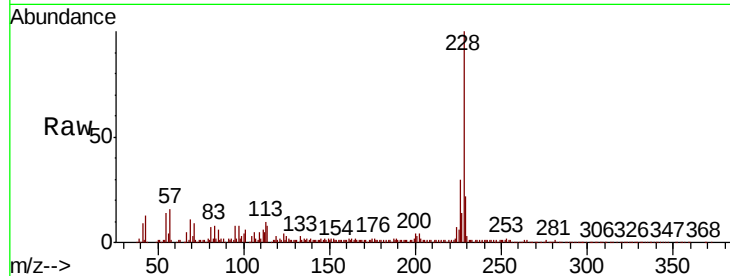
#83
Chrysene
Concen: 13.393 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :
CPSB-10(10-15)DL

Tot Ion:	228	Resp:	141952
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.6	37.0
229	21.6	15.7	23.5

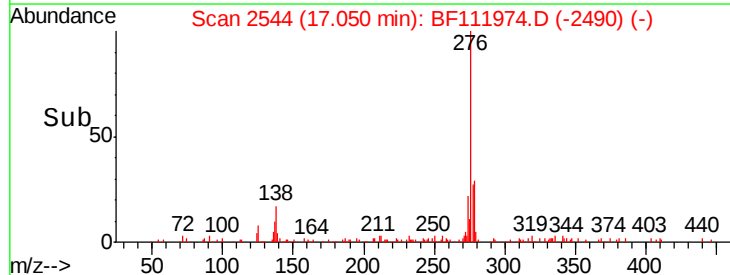
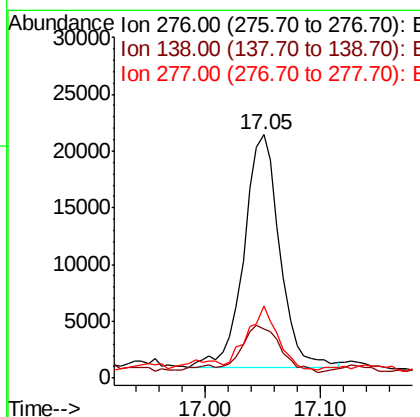
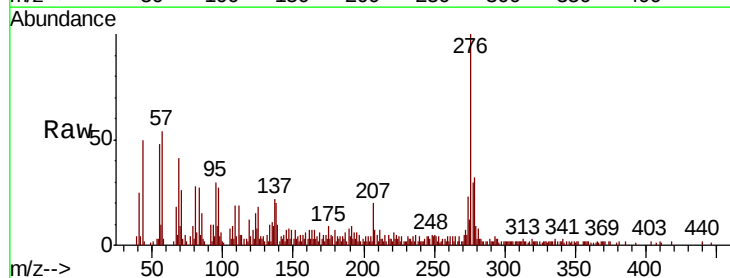
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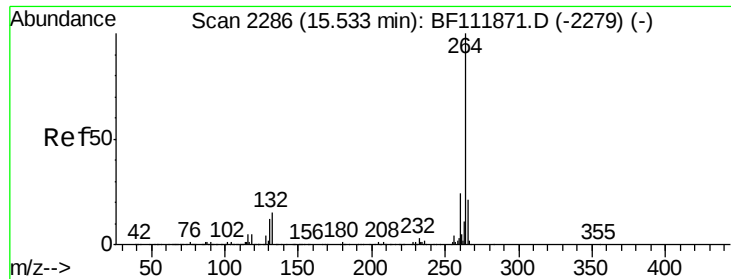
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.768 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.02 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion:	276	Resp:	44573
Ion Ratio	Lower	Upper	
276	100		
138	21.5	18.1	27.1
277	23.3	19.9	29.9





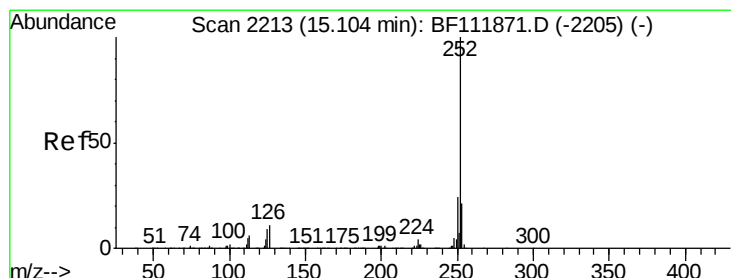
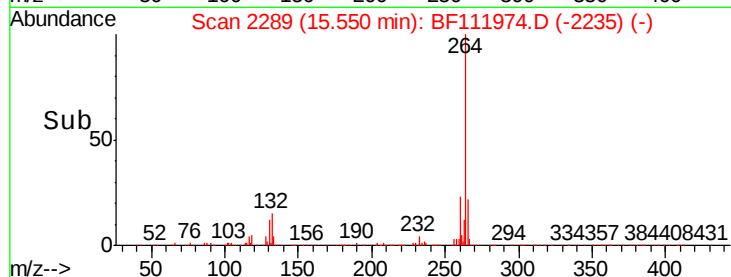
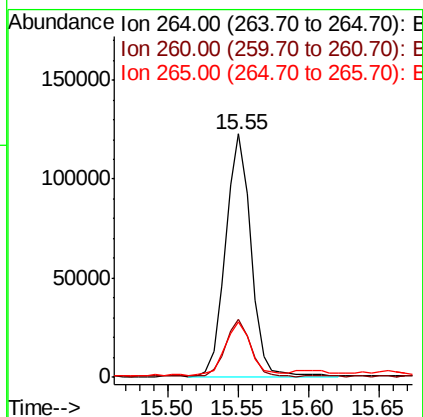
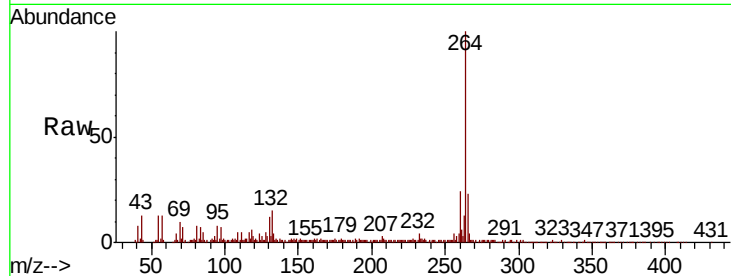
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. 0.02 min
 Lab File: BF111974.D
 Acq: 10 Jan 2019 3:27

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-10(10-15)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.8	17.1	25.7

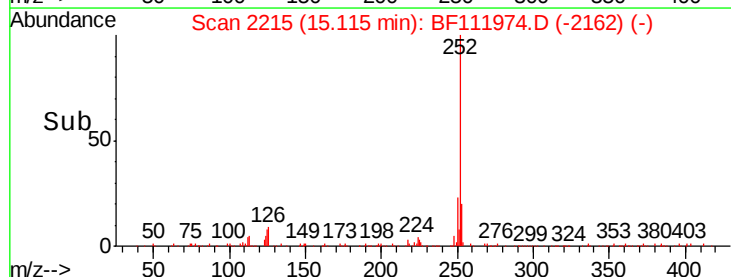
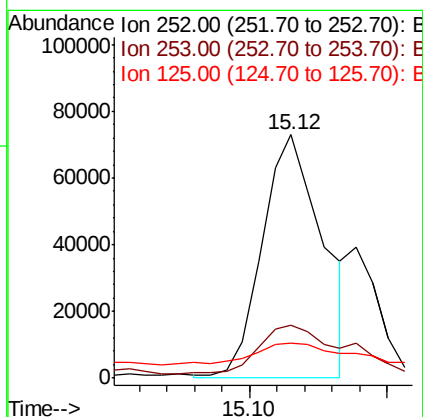
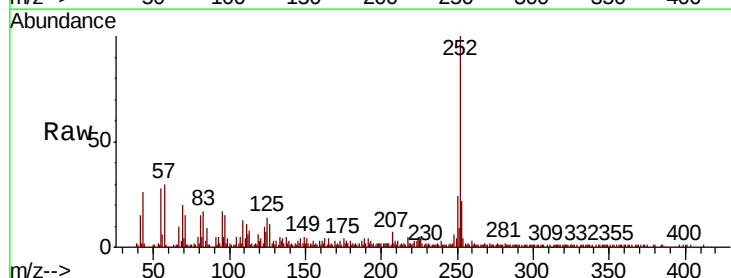
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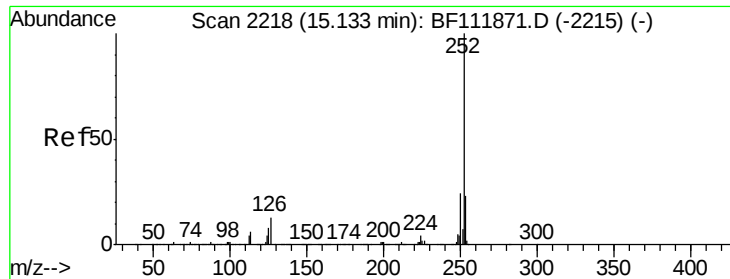
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#88
 Benzo(b)fluoranthene
 Concen: 12.206 ng m
 RT: 15.12 min Scan# 2215
 Delta R.T. 0.01 min
 Lab File: BF111974.D
 Acq: 10 Jan 2019 3:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	14.4	7.1	10.7#





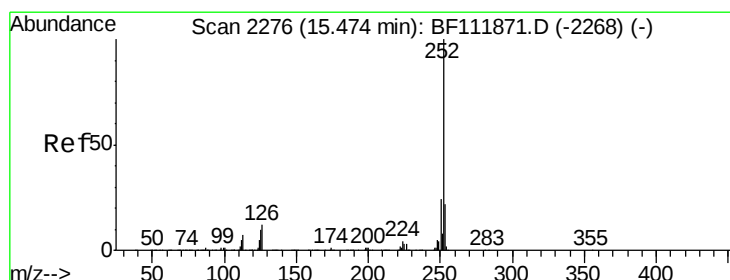
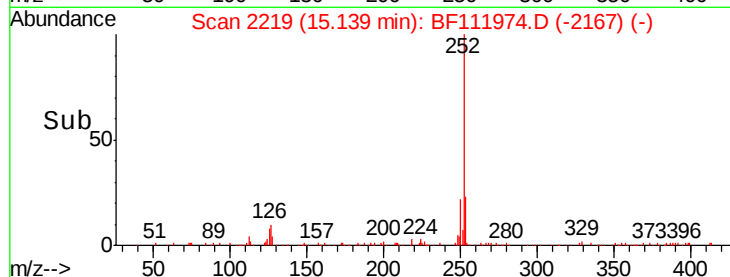
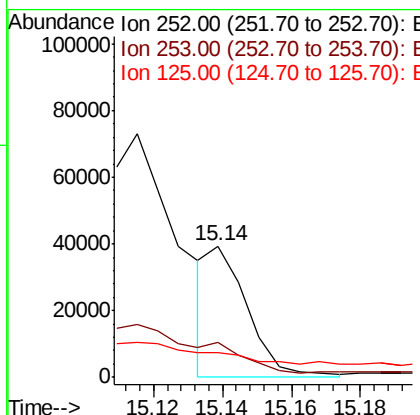
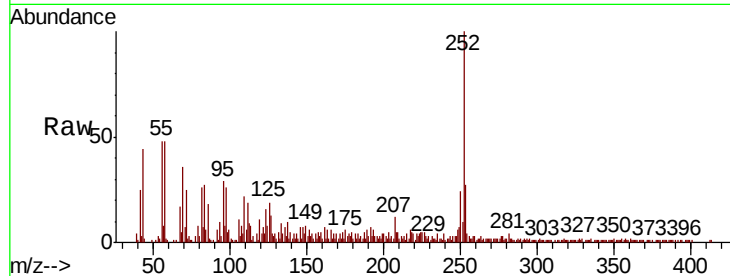
#89
Benzo(k)fluoranthene
Concen: 3.581 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :
CPSB-10(10-15)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.8	26.6#
125	19.1	7.0	10.4#

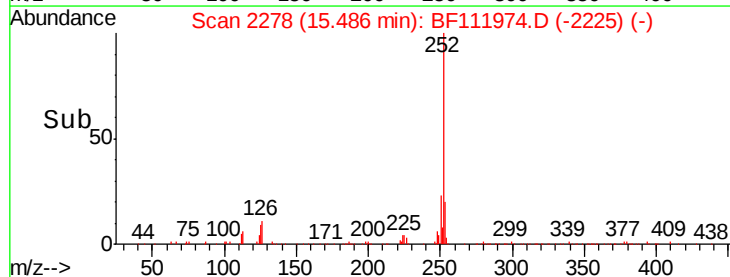
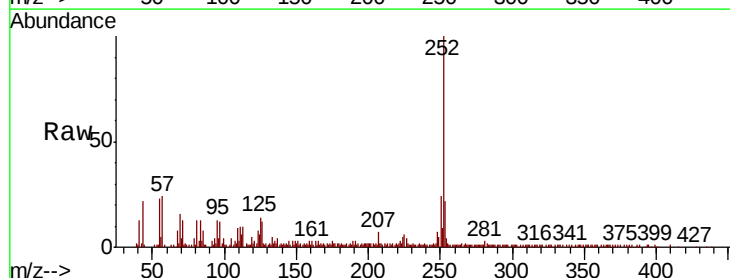
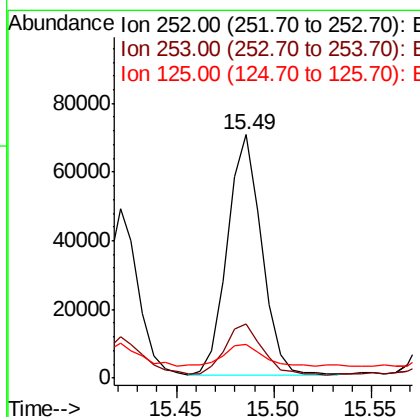
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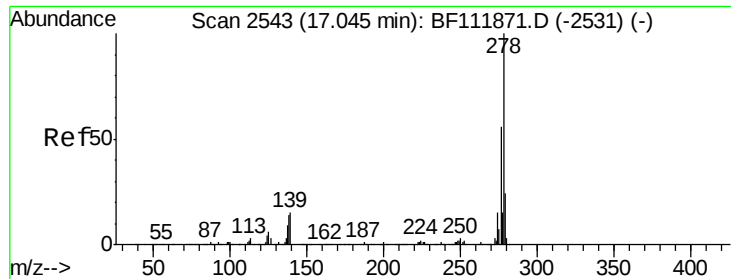
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#90
Benzo(a)pyrene
Concen: 10.697 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	14.0	7.9	11.9#





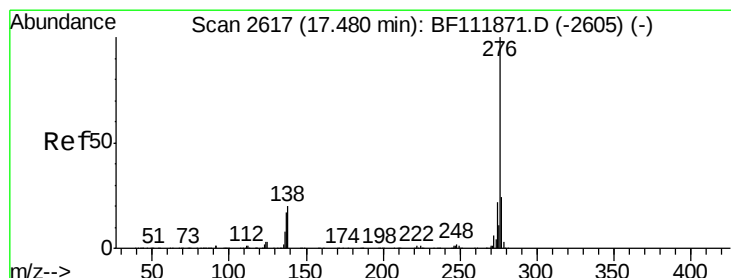
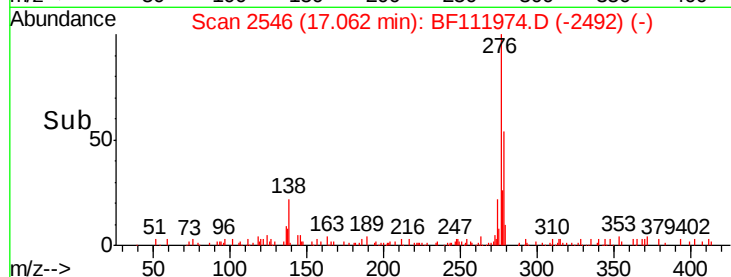
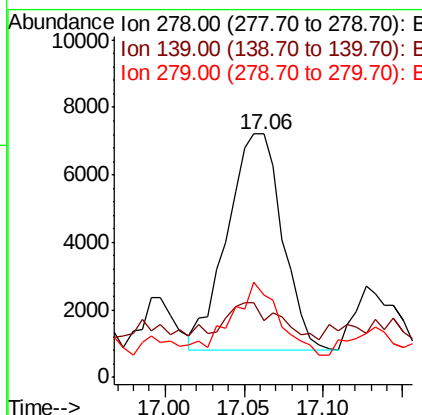
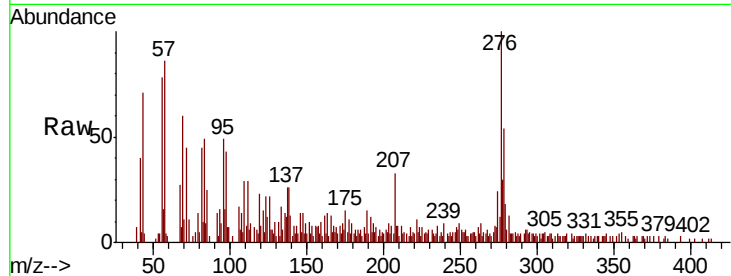
#91
Dibenzo(a,h)anthracene
Concen: 2.379 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.02 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Instrument :
BNA_F
ClientSampleId :
CPSB-10(10-15)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.3	11.8	17.6#
279	33.8	19.4	29.2#

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#92
Benzo(g,h,i)perylene
Concen: 7.140 ng
RT: 17.51 min Scan# 2622
Delta R.T. 0.03 min
Lab File: BF111974.D
Acq: 10 Jan 2019 3:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.0	28.6
138	20.3	16.2	24.2

