

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
 Data File : BF113896.D
 Acq On : 22 Apr 2019 23:36
 Operator : JU/SJ
 Sample : K2201-01DL 4X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-ADL

Manual Integrations
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Quant Time: Apr 23 05:40:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	160438	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	554722	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	277855	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	601831	20.00	ng	0.00
76) Chrysene-d12	14.06	240	585294	20.00	ng	-0.01
87) Perylene-d12	15.54	264	491550	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	188598	20.11	ng	0.00
7) Phenol-d6	6.51	99	231287	19.65	ng	-0.01
23) Nitrobenzene-d5	7.45	82	125062	13.92	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	70734	20.90	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	261386	14.71	ng	0.00
79) Terphenyl-d14	13.00	244	390555	13.68	ng	0.00
Target Compounds						
71) Phenanthrene	11.44	178	186397	6.163	ng	Qvalue 98
72) Anthracene	11.49	178	69282	2.268	ng	96
75) Fluoranthene	12.63	202	467188	14.158	ng	98
78) Pyrene	12.86	202	510861	12.481	ng	99
81) Benzo(a)anthracene	14.04	228	299715	8.691	ng	94
83) Chrysene	14.08	228	270075	8.042	ng	97
84) Bis(2-ethylhexyl)phthalate	14.04	149	976551	47.661	ng	100
86) Indeno(1,2,3-cd)pyrene	17.02	276	95229	2.993	ng	96
88) Benzo(b)fluoranthene	15.10	252	297579m	9.568	ng	
89) Benzo(k)fluoranthene	15.13	252	68440m	2.558	ng	
90) Benzo(a)pyrene	15.47	252	183414	6.818	ng	# 96
92) Benzo(g,h,i)perylene	17.46	276	87811	3.446	ng	94

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

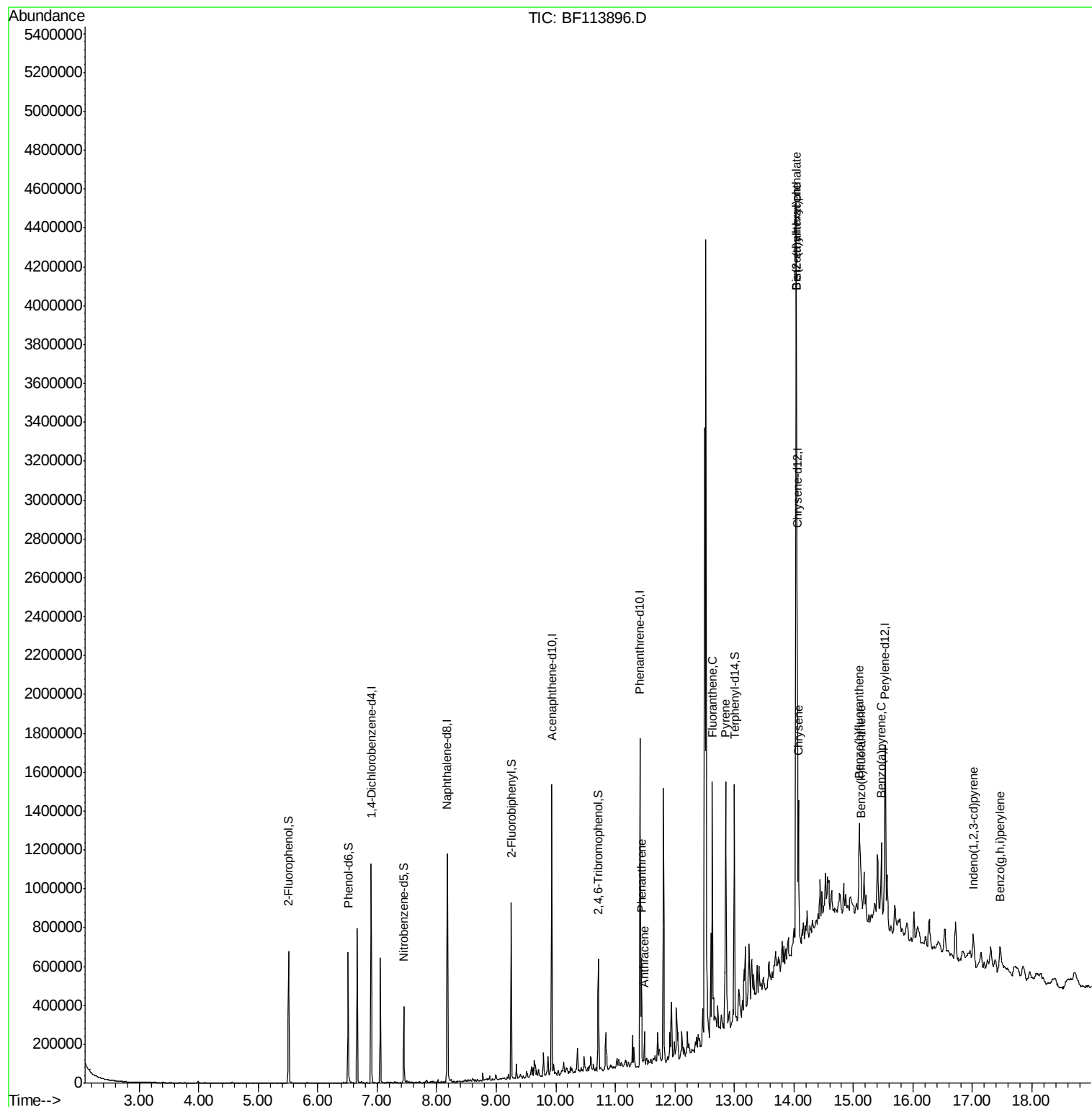
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
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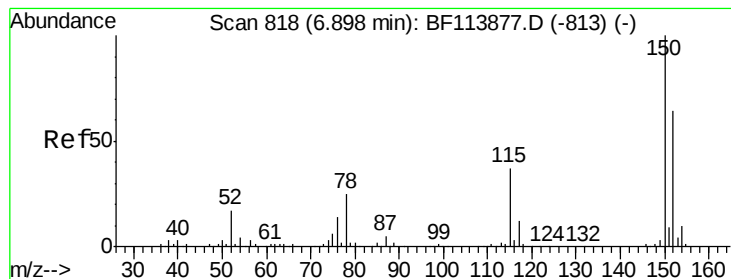
Instrument :
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PL-01-041819-ADL

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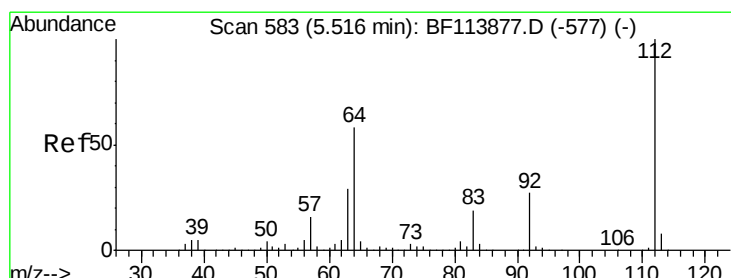
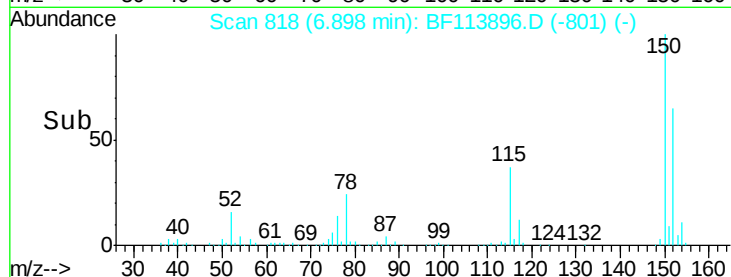
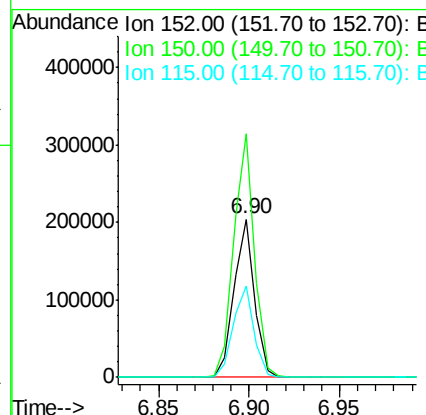
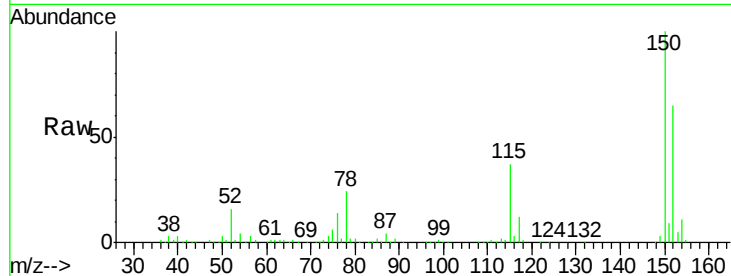
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF113896.D
 Acq: 22 Apr 2019 23:36

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-ADL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.7	125.9	188.9
115	57.3	45.9	68.9

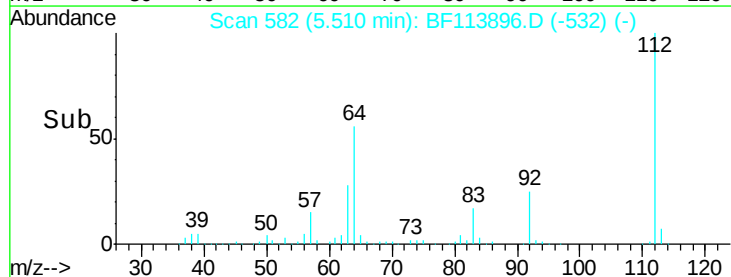
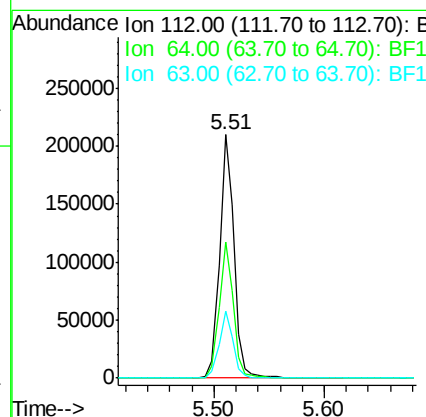
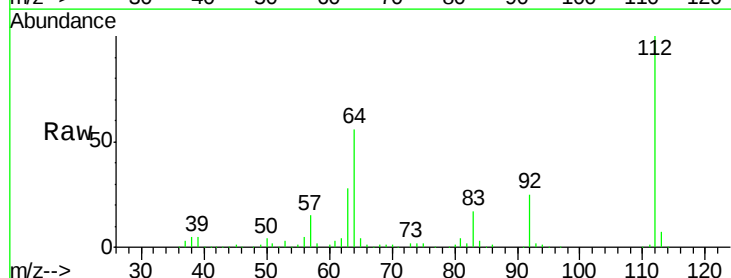
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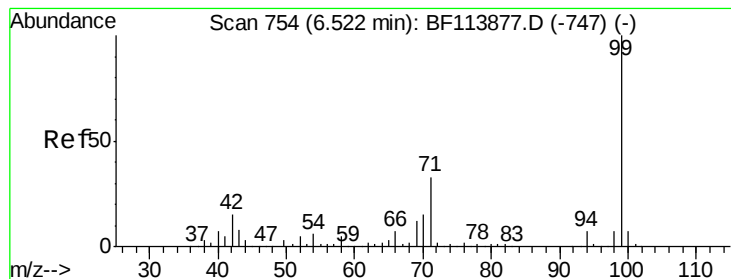
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#5
 2-Fluorophenol
 Concen: 20.106 ng
 RT: 5.51 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: BF113896.D
 Acq: 22 Apr 2019 23:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	46.6	69.8
63	27.5	23.1	34.7





#7

Phenol-d6

Concen: 19.653 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Instrument :

BNA_F

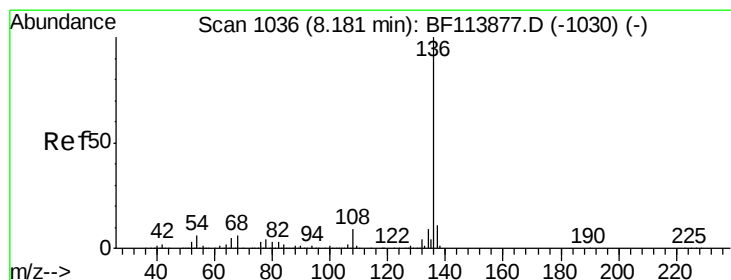
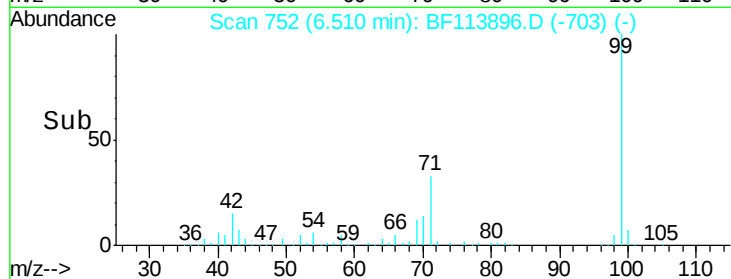
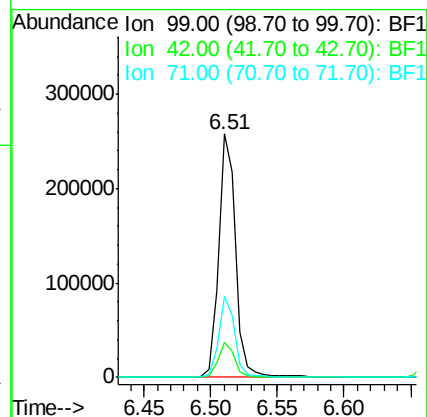
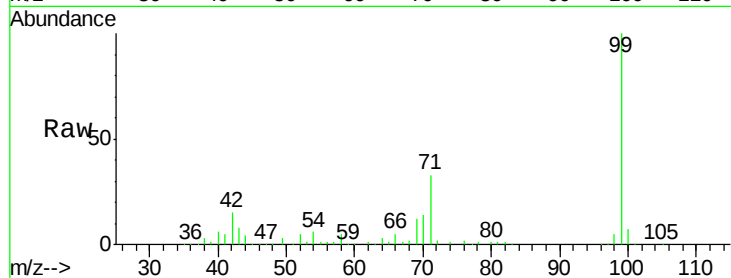
ClientSampleId :

PL-01-041819-ADL

Tgt Ion:	99	Resp:	231287
Ion Ratio	Lower	Upper	
99	100		
42	14.6	12.5	18.7
71	33.2	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

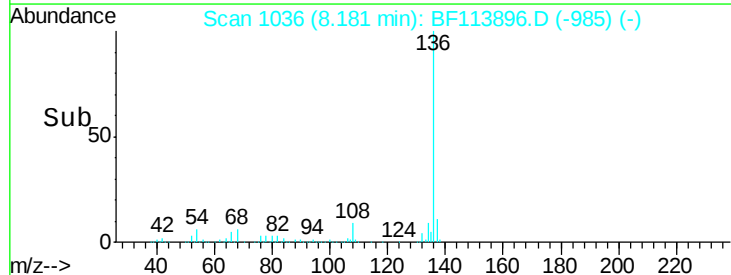
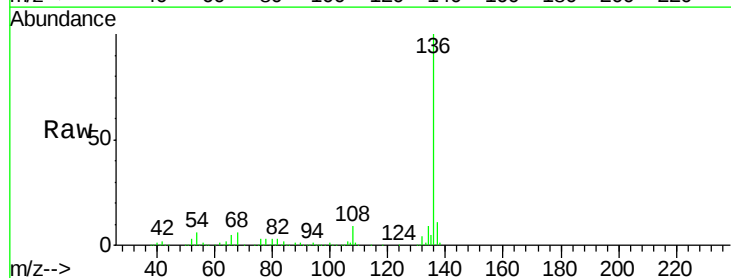
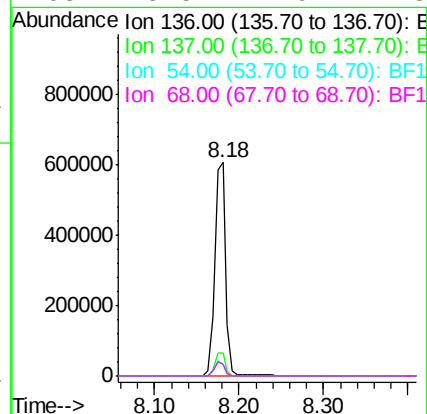
RT: 8.18 min Scan# 1036

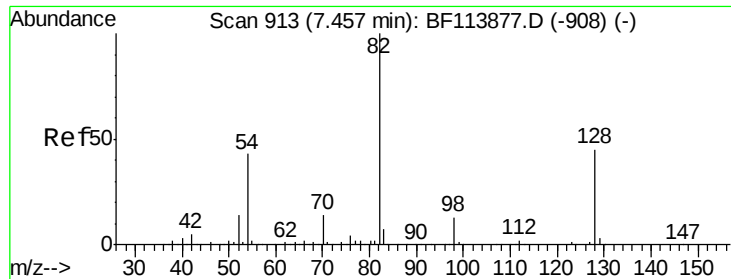
Delta R.T. 0.00 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Tgt Ion:	136	Resp:	554722
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	12.8
54	5.7	5.0	7.6
68	5.5	4.9	7.3





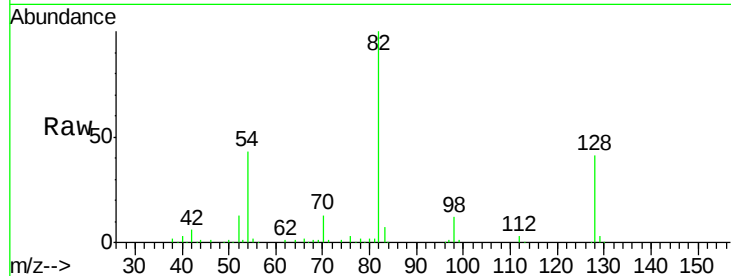
#23
 Nitrobenzene-d5
 Concen: 13.920 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF113896.D
 Acq: 22 Apr 2019 23:36

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-ADL

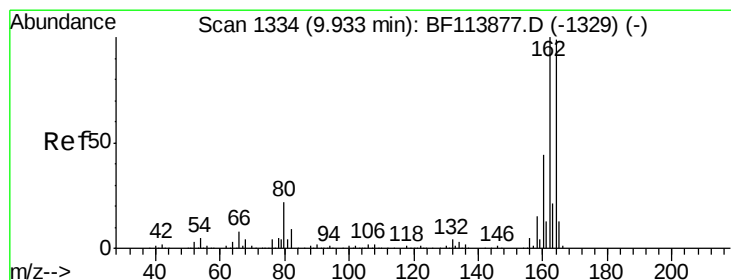
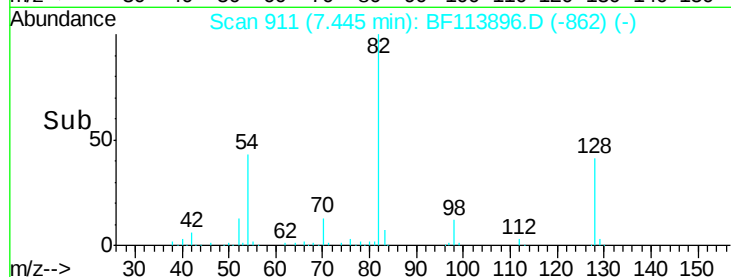
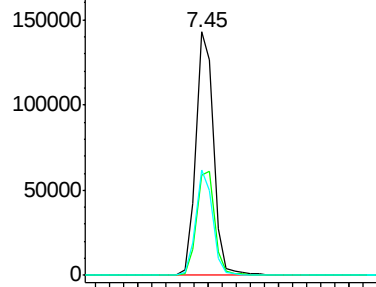
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	125062		
128	41.1	36.8	55.2	
54	43.1	33.8	50.6	

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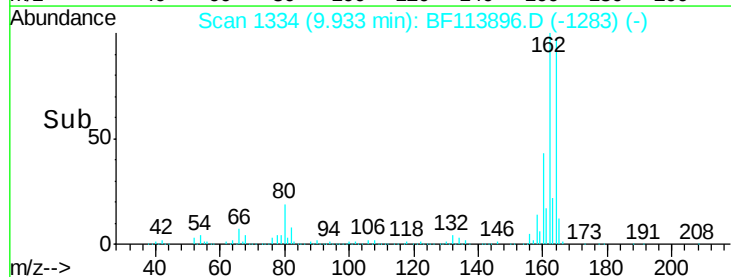
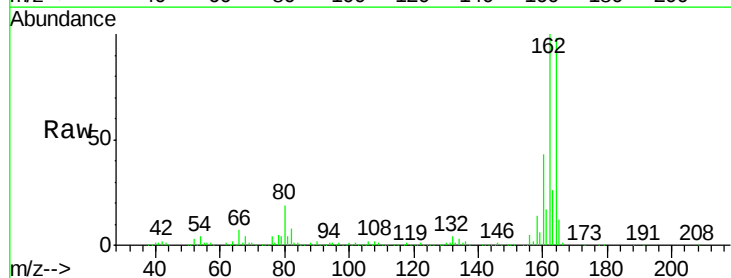
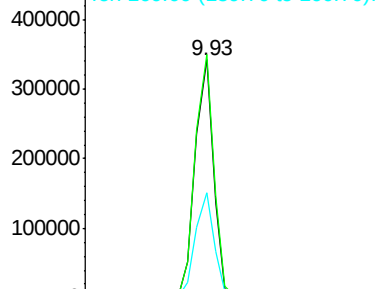
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 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

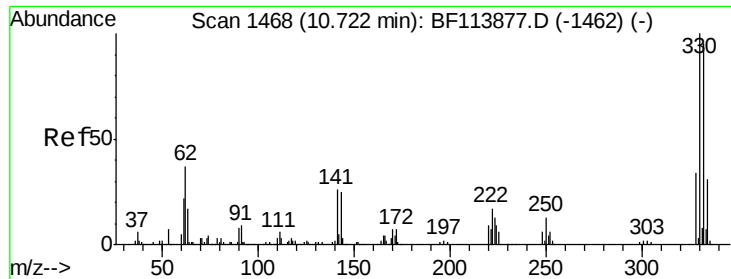


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: BF113896.D
 Acq: 22 Apr 2019 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	277855		
162	102.2	81.1	121.7	
160	44.5	35.8	53.6	

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





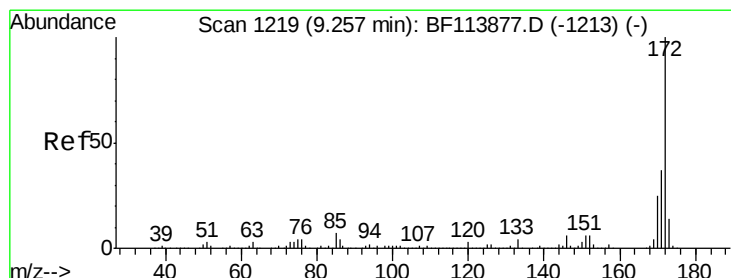
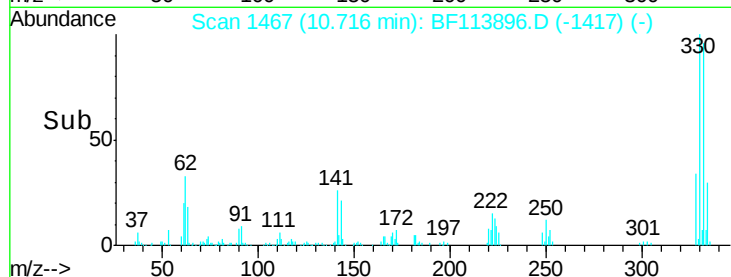
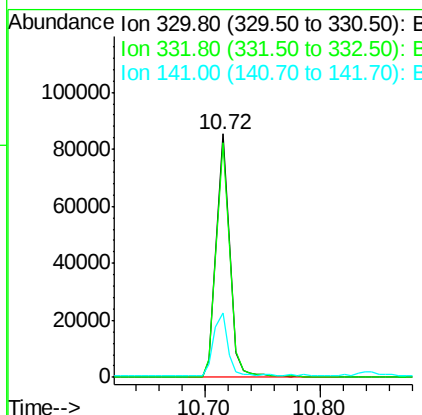
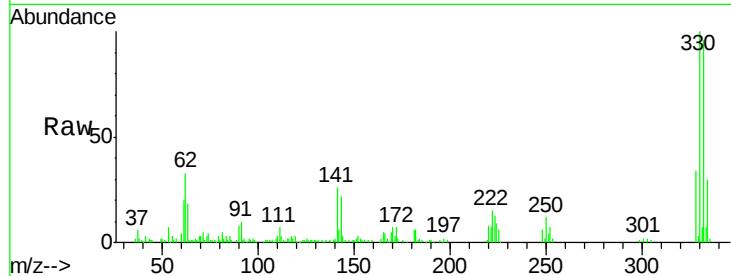
#42
 2,4,6-Tribromophenol
 Concen: 20.897 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF113896.D
 Acq: 22 Apr 2019 23:36

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-ADL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.5	116.3
141	28.1	22.2	33.2

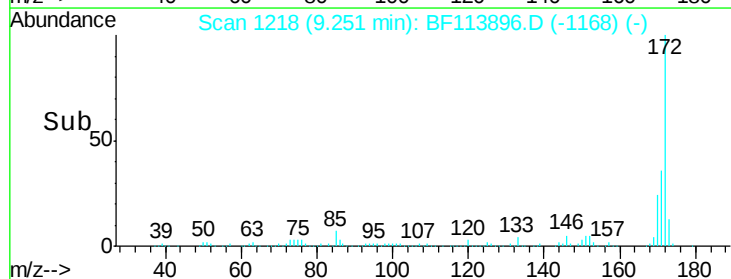
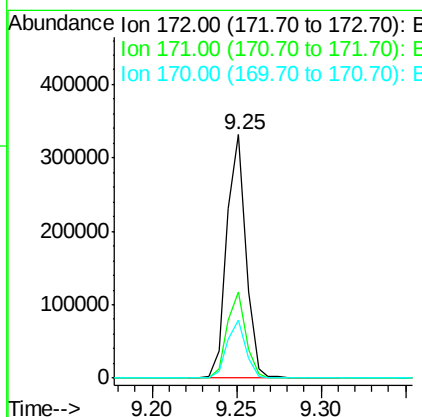
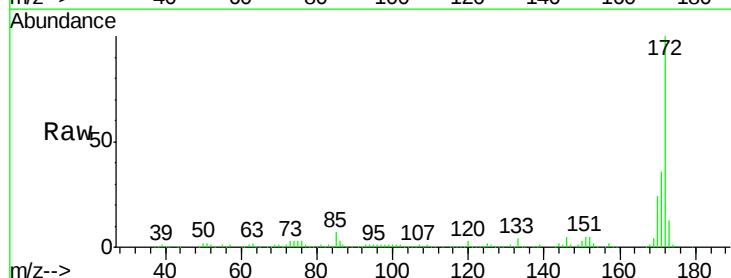
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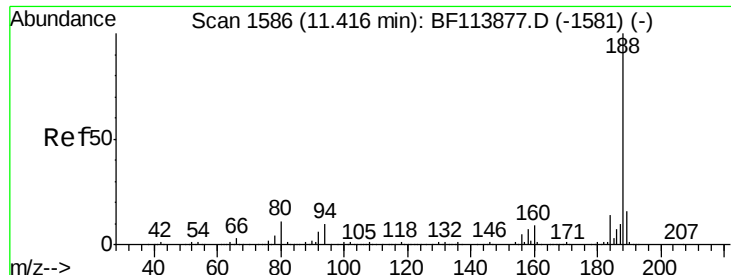
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#45
 2-Fluorobiphenyl
 Concen: 14.713 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113896.D
 Acq: 22 Apr 2019 23:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	23.9	19.9	29.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Instrument :

BNA_F

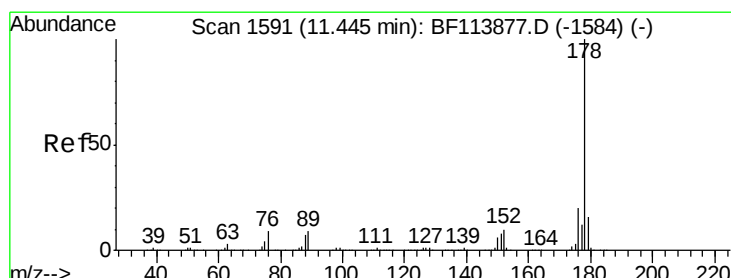
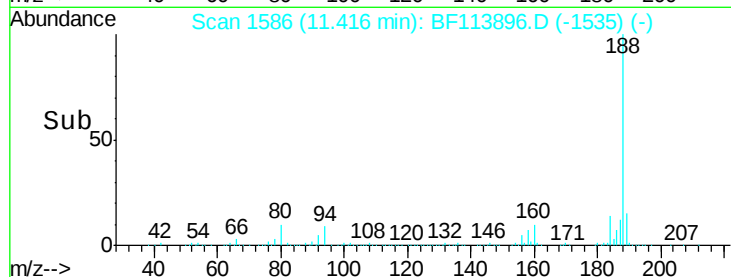
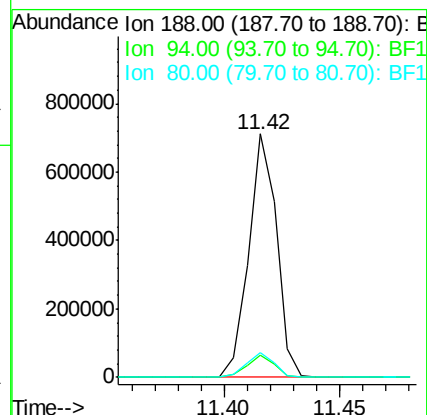
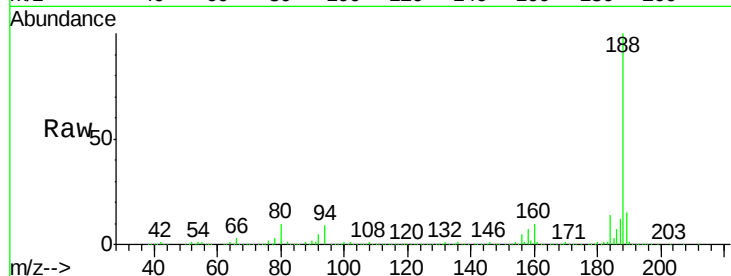
ClientSampleId :

PL-01-041819-ADL

Tgt Ion:	188	Resp:	601831
Ion Ratio	Lower	Upper	
188	100		
94	9.2	8.2	12.4
80	10.4	9.0	13.6

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#71

Phenanthrene

Concen: 6.163 ng

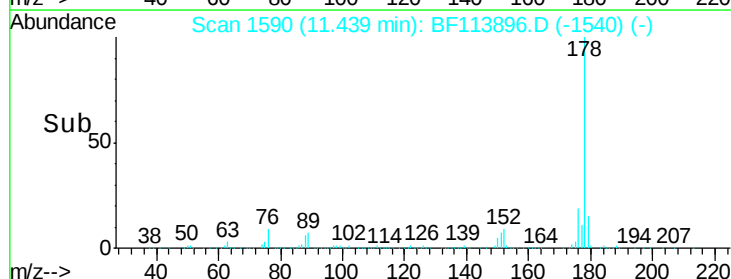
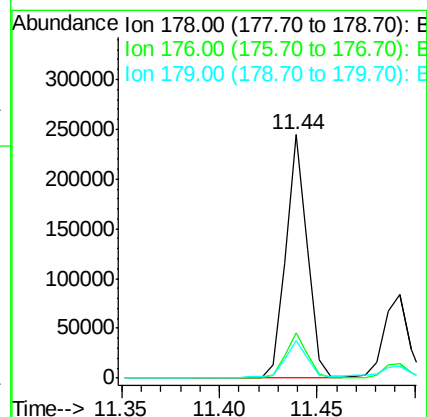
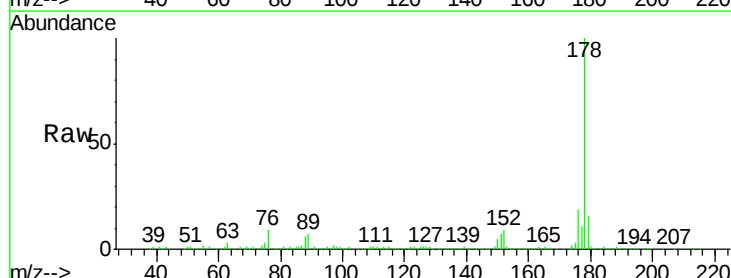
RT: 11.44 min Scan# 1590

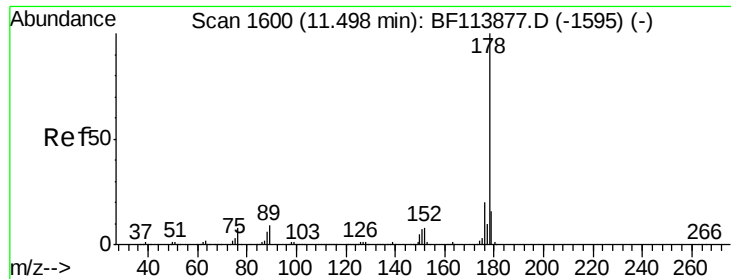
Delta R.T. -0.01 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Tgt Ion:	178	Resp:	186397
Ion Ratio	Lower	Upper	
178	100		
176	18.6	16.1	24.1
179	15.5	12.8	19.2





#72

Anthracene

Concen: 2.268 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Instrument :

BNA_F

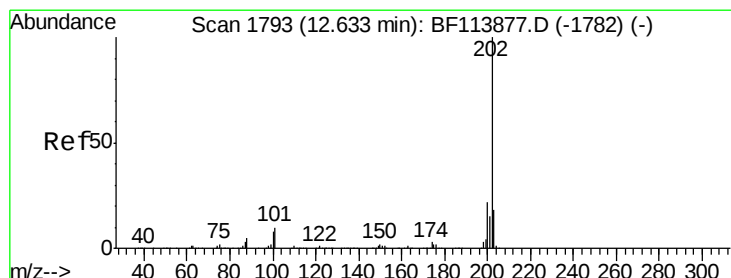
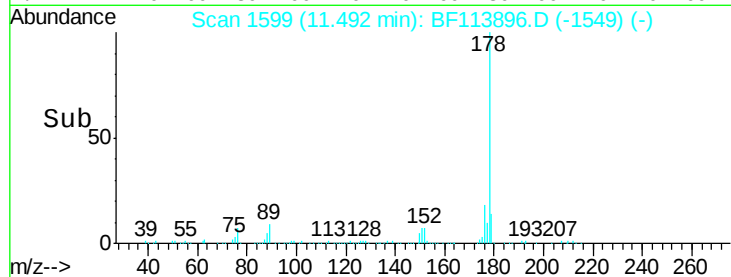
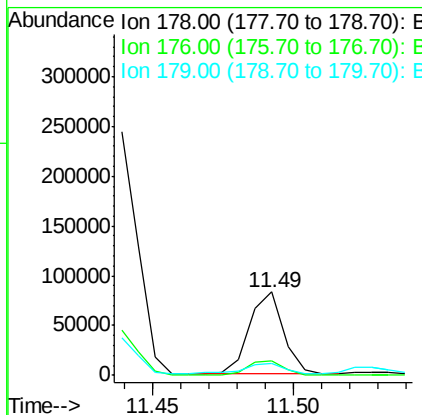
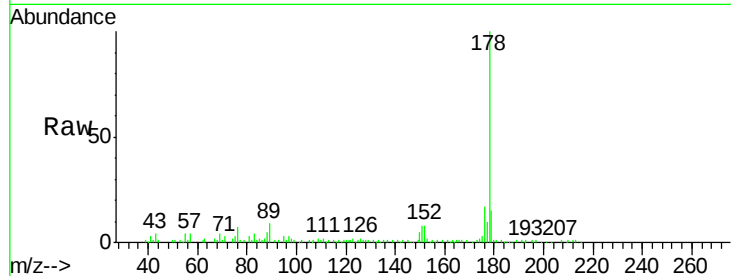
ClientSampleId :

PL-01-041819-ADL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.7	23.5
179	15.0	13.0	19.4

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#75

Fluoranthene

Concen: 14.158 ng

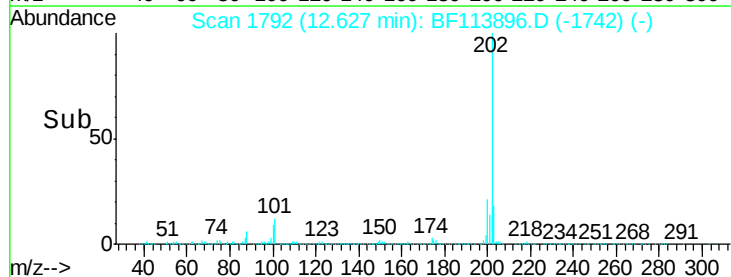
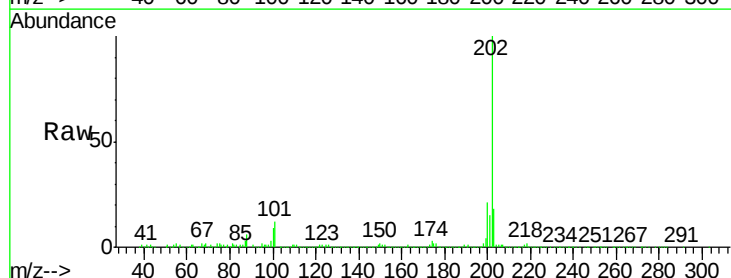
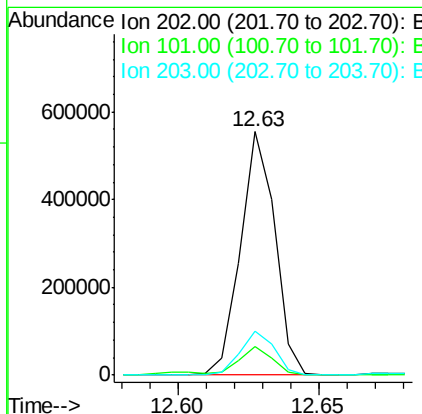
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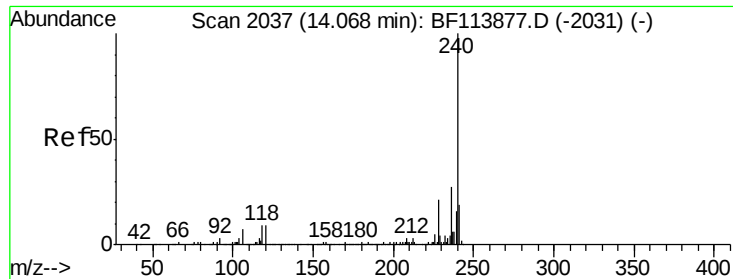
Delta R.T. -0.01 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.9
203	17.9	0.0	38.2





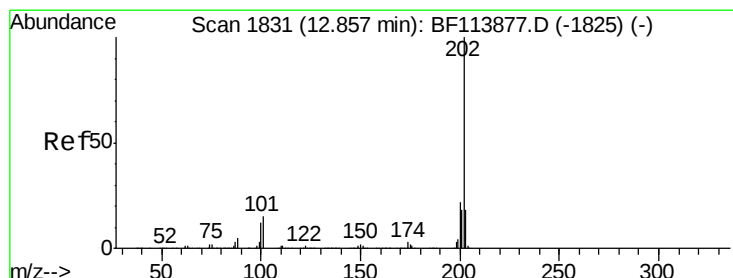
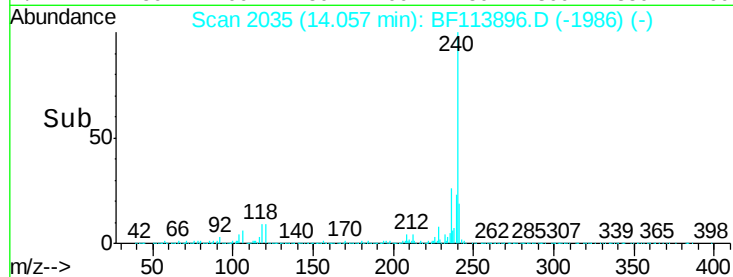
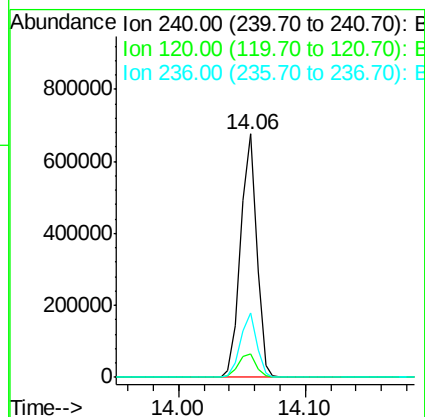
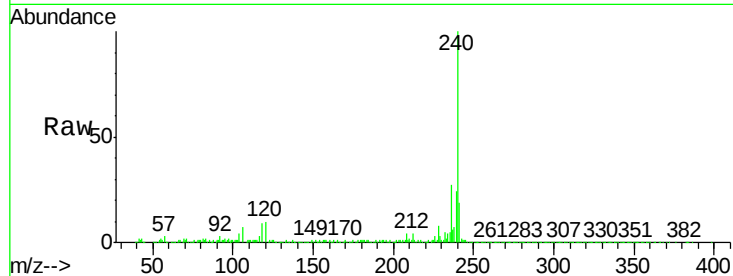
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Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-ADL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	585294		
120	9.7	9.3	13.9	
236	26.6	21.2	31.8	

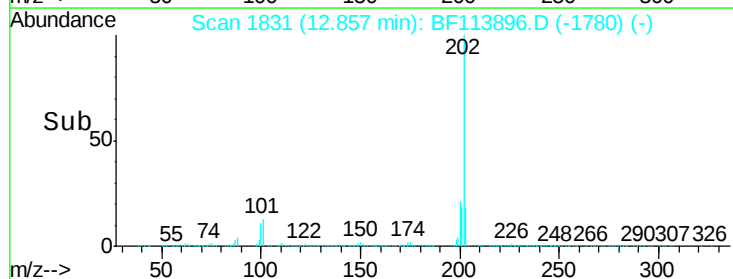
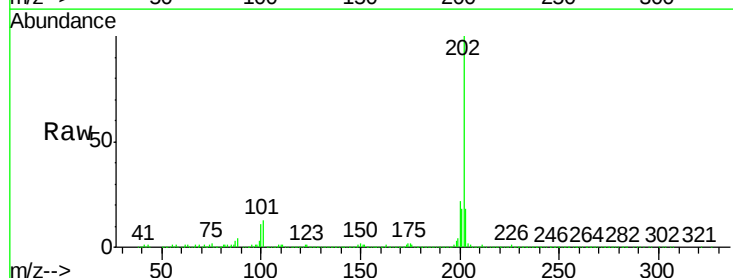
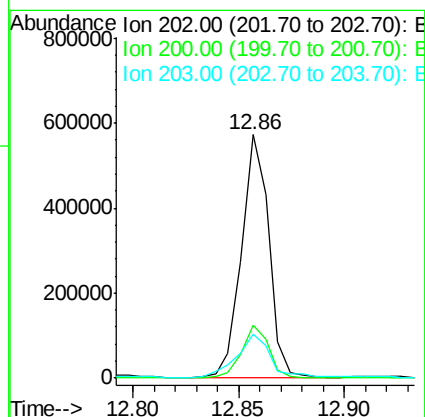
Manual Integrations
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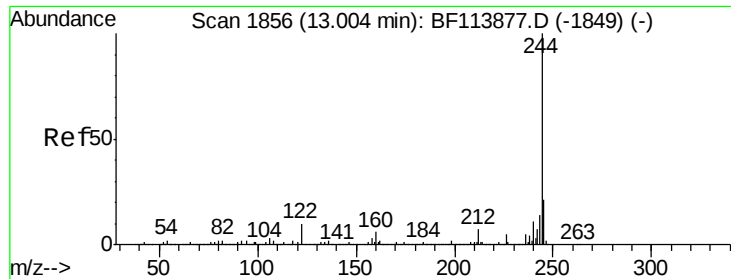
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#78
Pyrene
Concen: 12.481 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	510861		
200	21.5	17.7	26.5	
203	18.0	15.0	22.6	





#79

Terphenyl-d14

Concen: 13.680 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Instrument :

BNA_F

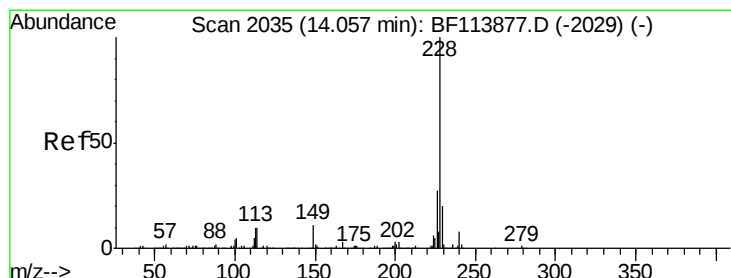
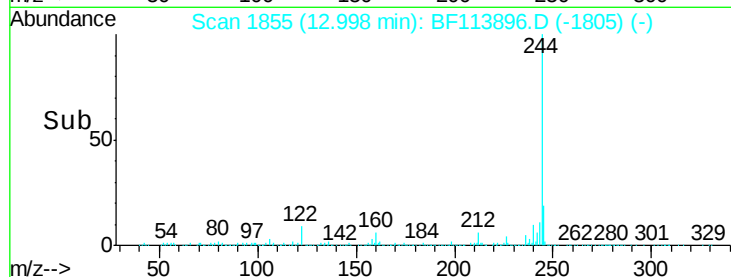
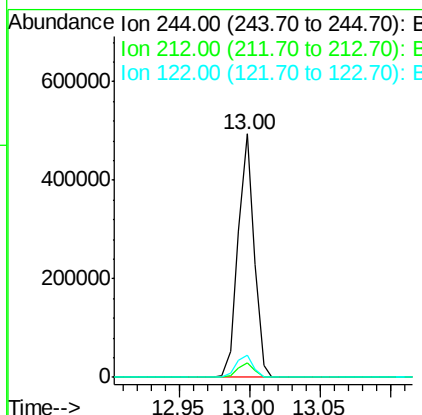
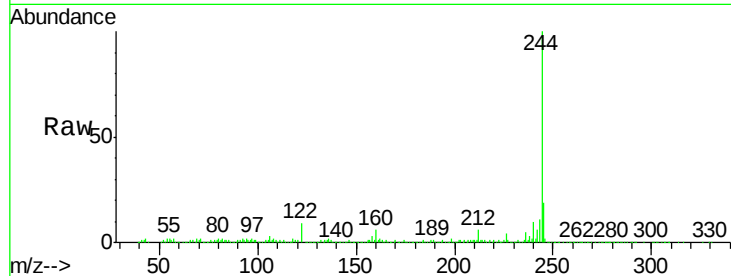
ClientSampleId :

PL-01-041819-ADL

Tgt	Ion	244	Resp	390555
	Ratio	100	Lower	Upper
	244	100		
	212	6.2	5.4	8.2
	122	9.3	7.6	11.4

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#81

Benzo(a)anthracene

Concen: 8.691 ng

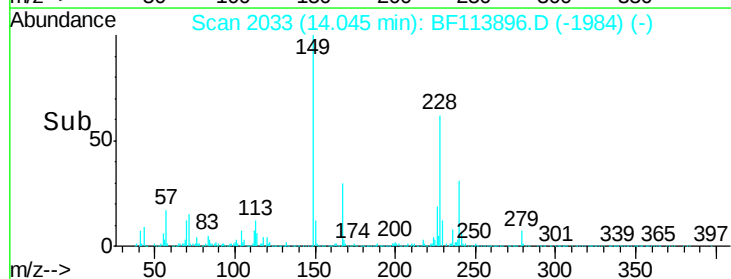
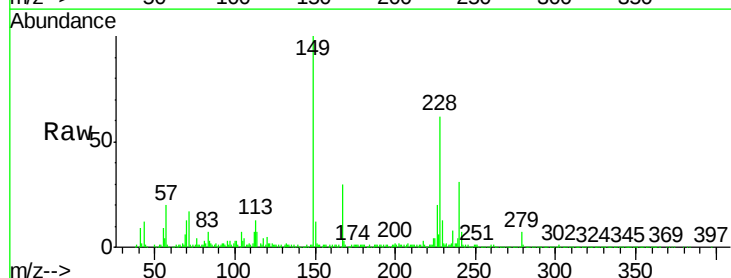
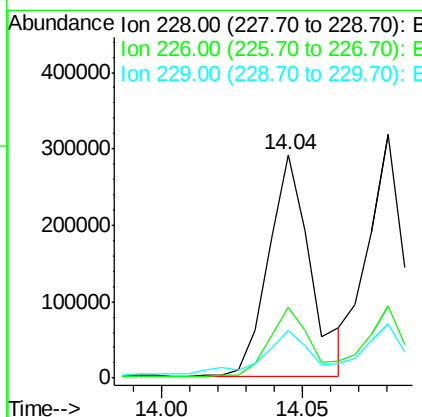
RT: 14.04 min Scan# 2033

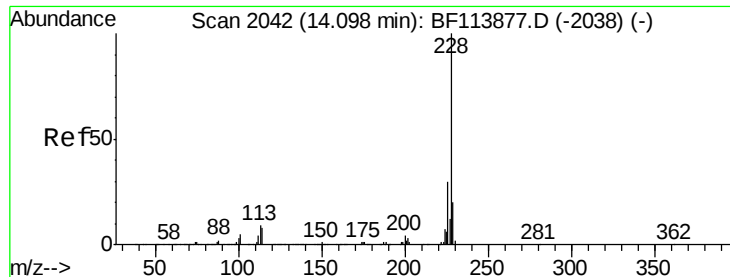
Delta R.T. -0.01 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Tgt	Ion	228	Resp	299715
	Ratio	100	Lower	Upper
	228	100		
	226	31.8	22.2	33.2
	229	21.6	16.0	24.0





#83

Chrysene

Concen: 8.042 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.02 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Instrument :

BNA_F

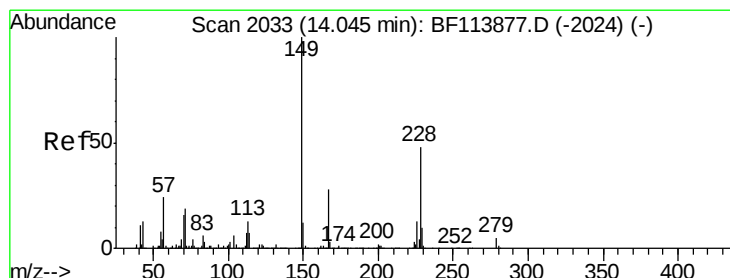
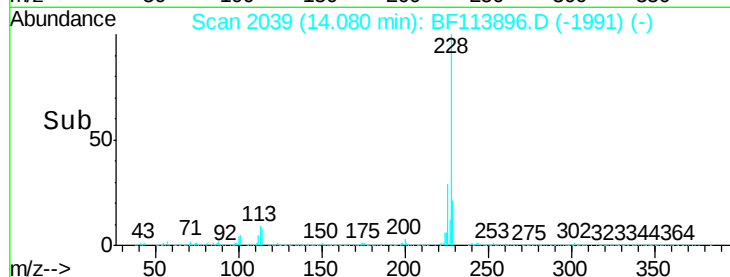
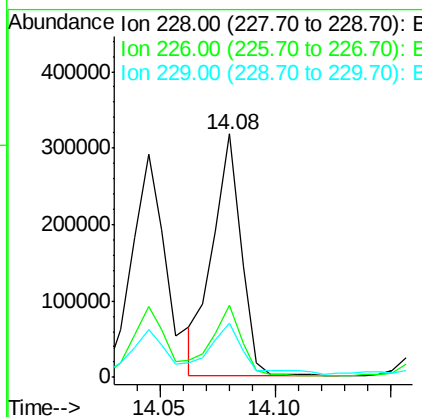
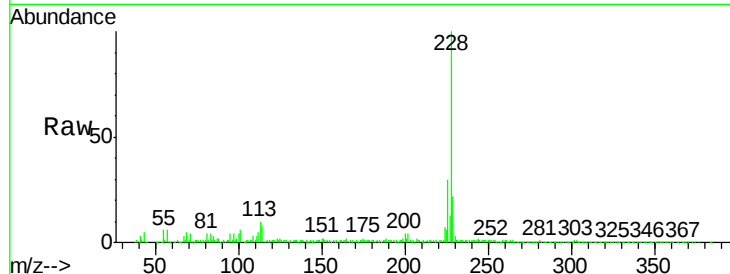
ClientSampleId :

PL-01-041819-ADL

Tgt Ion:	228	Resp:	270075
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.2	37.8
229	22.1	16.7	25.1

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#84

Bis(2-ethylhexyl)phthalate

Concen: 47.661 ng

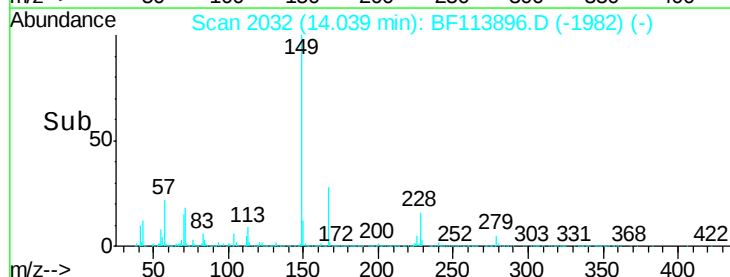
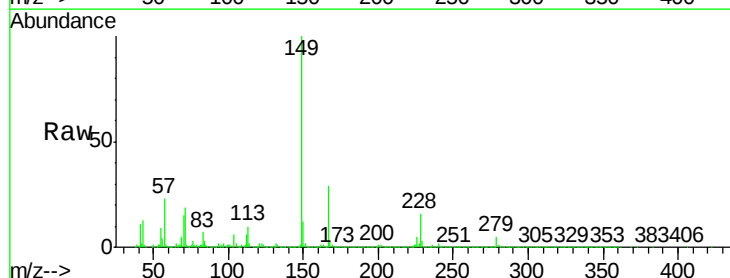
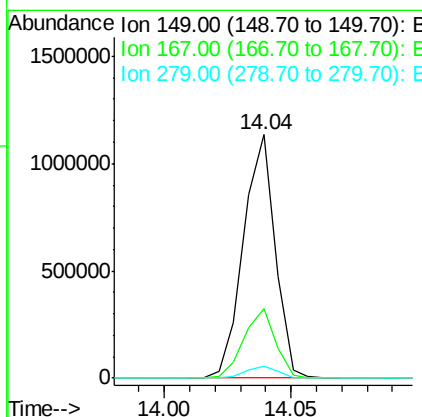
RT: 14.04 min Scan# 2032

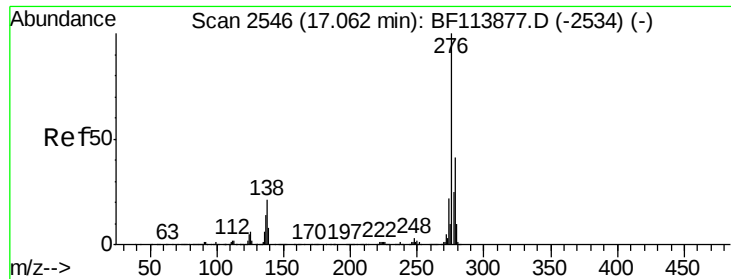
Delta R.T. -0.01 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Tgt Ion:	149	Resp:	976551
Ion Ratio	Lower	Upper	
149	100		
167	28.5	22.9	34.3
279	5.1	4.2	6.2





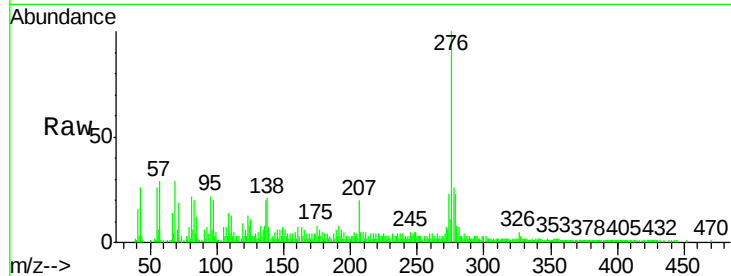
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.993 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.05 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-ADL

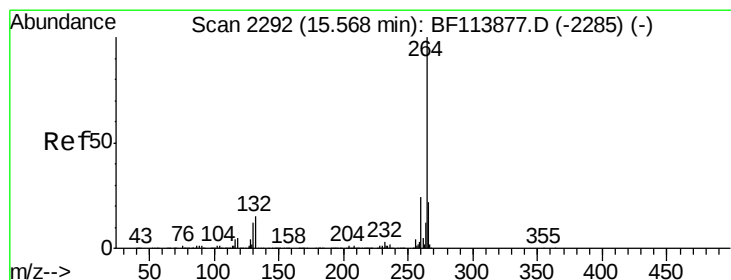
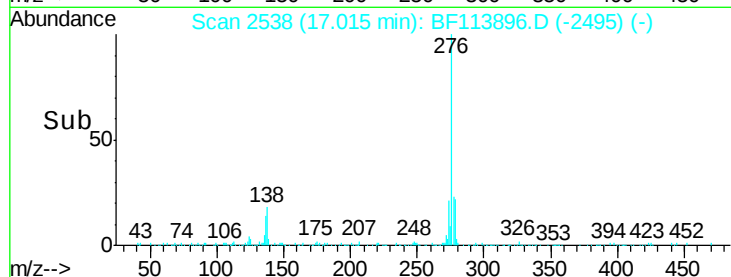
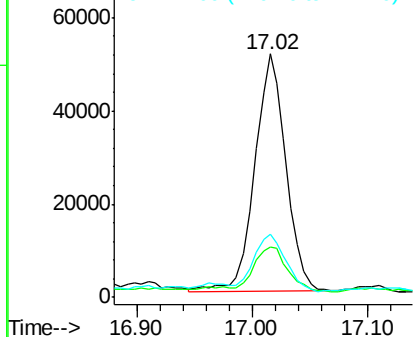
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	19.6	29.4
277	24.1	20.2	30.4

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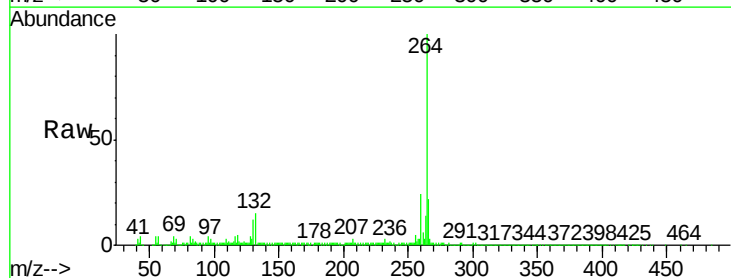


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

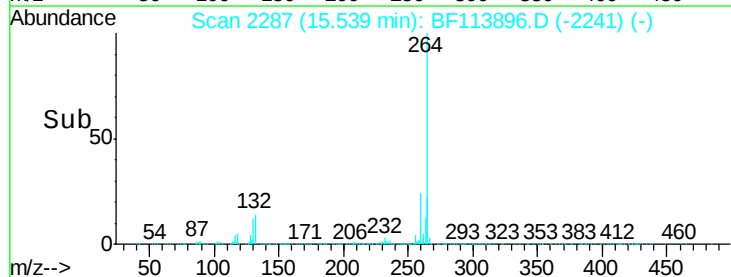
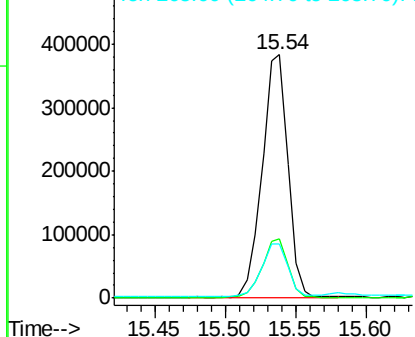


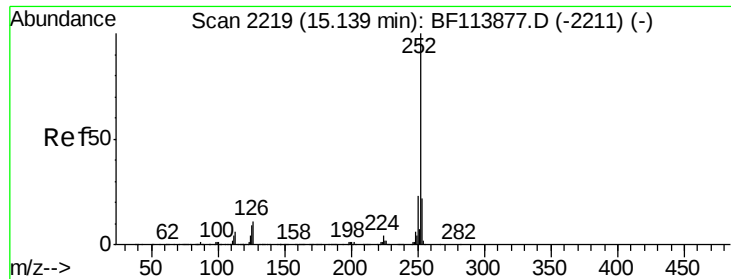
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.03 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.9	28.3
265	22.4	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





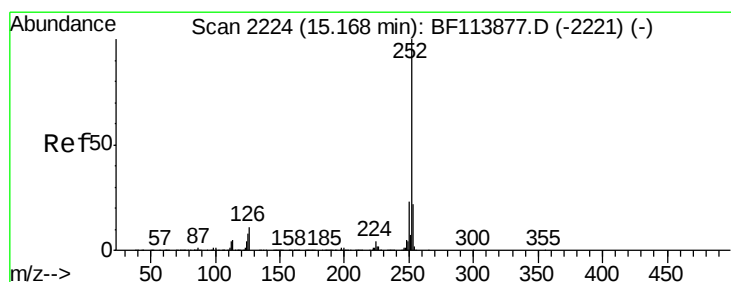
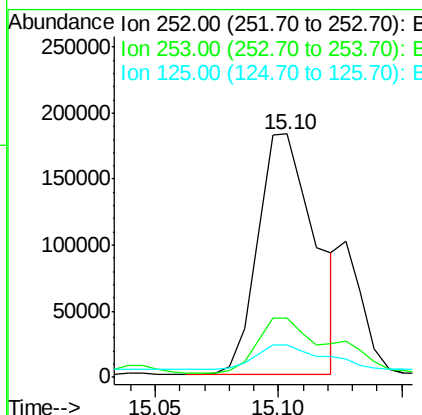
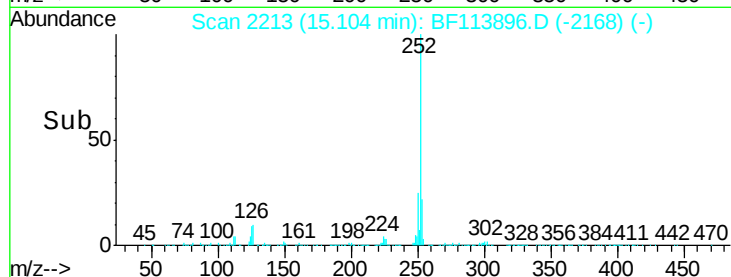
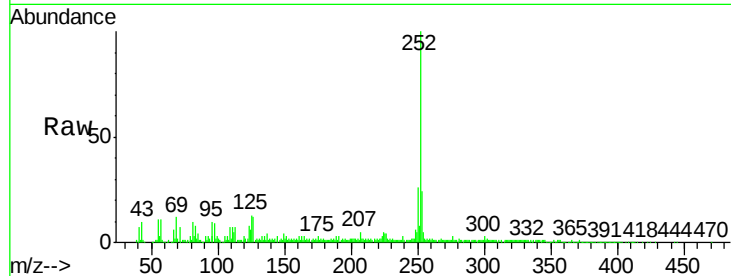
#88
Benzo(b)fluoranthene
Concen: 9.568 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-ADL

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.2	17.8	26.6
125	13.1	7.0	10.6#

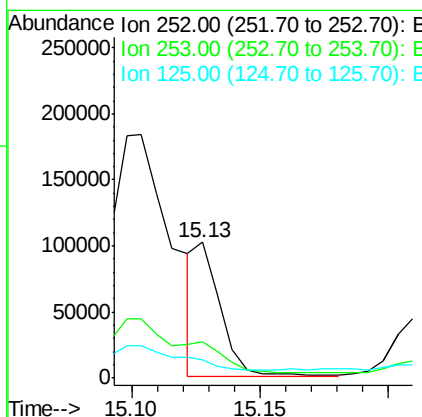
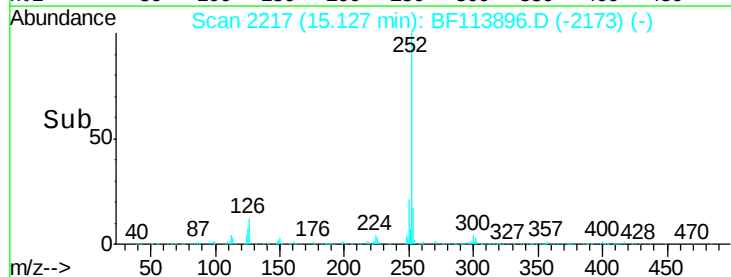
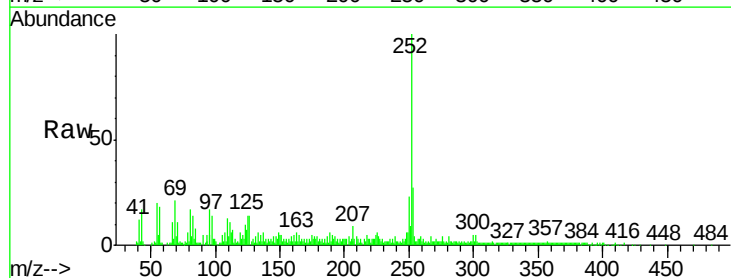
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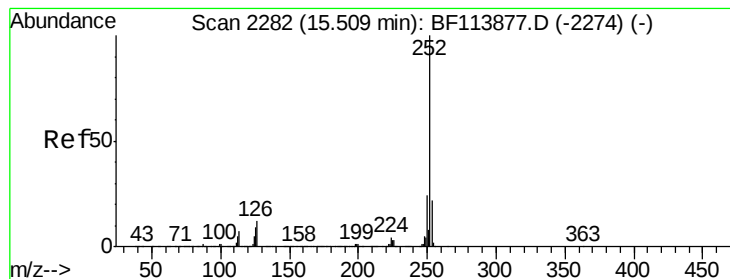
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#89
Benzo(k)fluoranthene
Concen: 2.558 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF113896.D
Acq: 22 Apr 2019 23:36

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	26.5	18.2	27.2
125	13.8	7.4	11.2#





#90

Benzo(a)pyrene

Concen: 6.818 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.04 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Instrument :

BNA_F

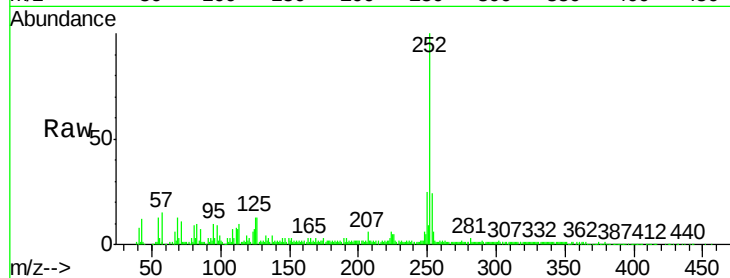
ClientSampleId :

PL-01-041819-ADL

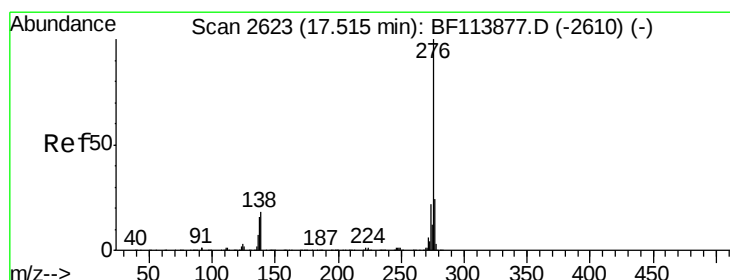
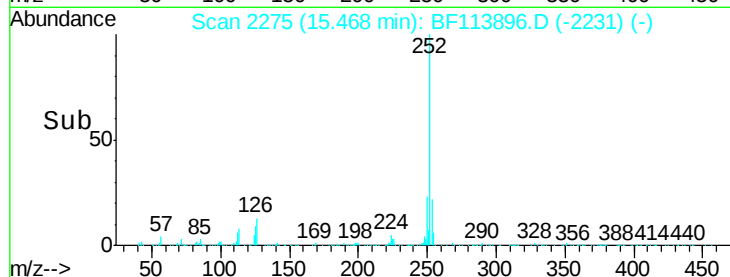
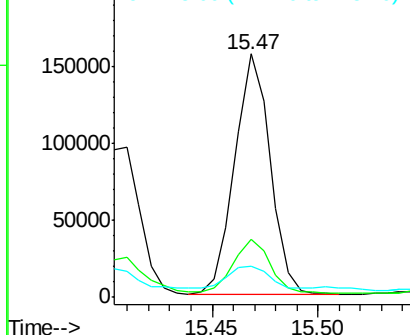
Tgt Ion:	252	Resp:	183414
Ion Ratio		Lower	Upper
252	100		
253	23.6	17.5	26.3
125	12.9	8.5	12.7

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.446 ng

RT: 17.46 min Scan# 2614

Delta R.T. -0.05 min

Lab File: BF113896.D

Acq: 22 Apr 2019 23:36

Tgt Ion:	276	Resp:	87811
Ion Ratio		Lower	Upper
276	100		
277	27.7	19.0	28.4
138	22.3	16.6	25.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

