

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
 Data File : BF107873.D
 Acq On : 1 Aug 2018 1:54
 Operator : JU/SJ
 Sample : J3825-19 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-073018-E

Manual Integrations
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 8/1/2018 3:57:38 PM

Quant Time: Aug 01 04:45:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	142477	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	579459	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	214556	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	422114	20.00	ng	0.00
75) Chrysene-d12	14.15	240	367352	20.00	ng	0.00
86) Perylene-d12	15.69	264	266763	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	322289	38.44	ng	0.00
7) Phenol-d6	6.61	99	416766	37.72	ng	0.00
23) Nitrobenzene-d5	7.53	82	225350	22.40	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	97355	33.39	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	530543	34.46	ng	0.00
78) Terphenyl-d14	13.08	244	553427	32.67	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	38544	2.392	ng	Qvalue 100
70) Phenanthrene	11.52	178	323555	16.143	ng	98
71) Anthracene	11.58	178	110913	4.798	ng	97
74) Fluoranthene	12.72	202	514759	21.861	ng	97
77) Pyrene	12.95	202	519584	19.642	ng	97
80) Benzo(a)anthracene	14.14	228	230802	11.091	ng	98
82) Chrysene	14.18	228	211154	9.408	ng	96
85) Indeno(1,2,3-cd)pyrene	17.28	276	58260	3.413	ng	# 89
87) Benzo(b)fluoranthene	15.24	252	145379m	11.050	ng	
88) Benzo(k)fluoranthene	15.26	252	72865m	4.511	ng	
89) Benzo(a)pyrene	15.63	252	106580	7.847	ng	# 94
91) Benzo(a,h,i)perylene	17.77	276	57605	5.025	ng	# 95

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

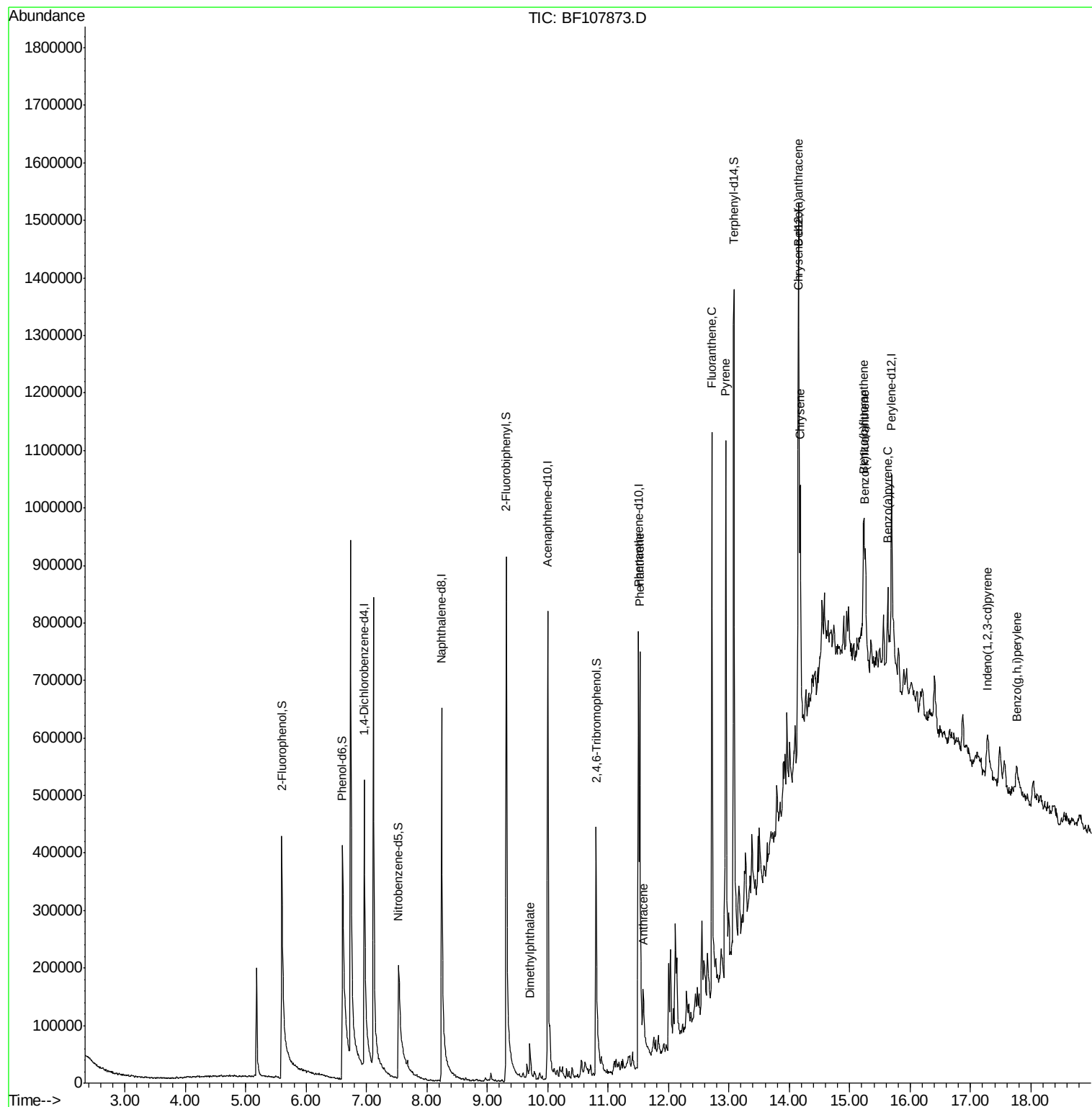
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
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ALS Vial : 26 Sample Multiplier: 1

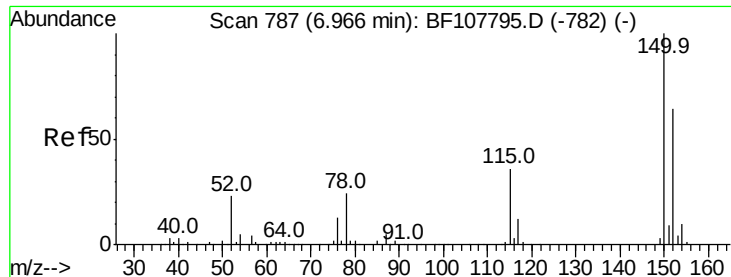
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
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#1

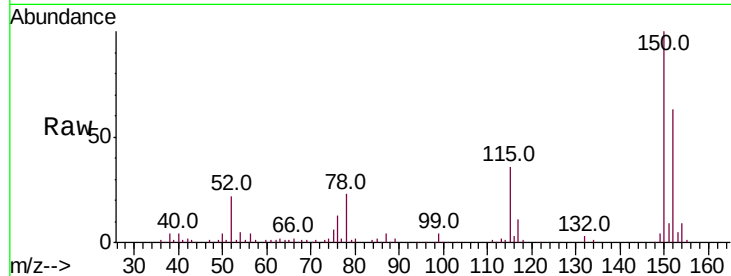
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Instrument :
BNA_F
ClientSampleId :
CL-01-073018-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	58.3	50.1	75.1

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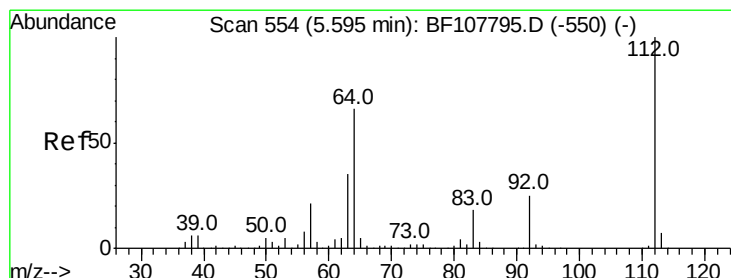
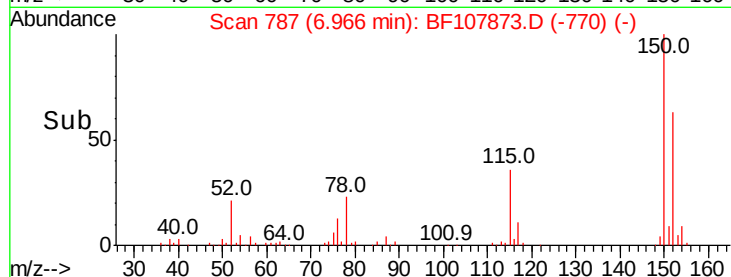
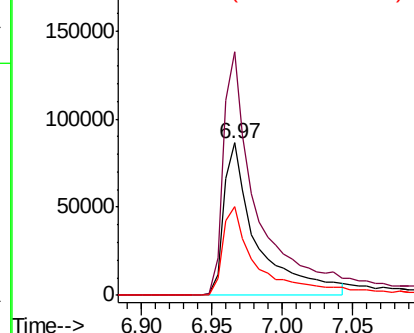


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

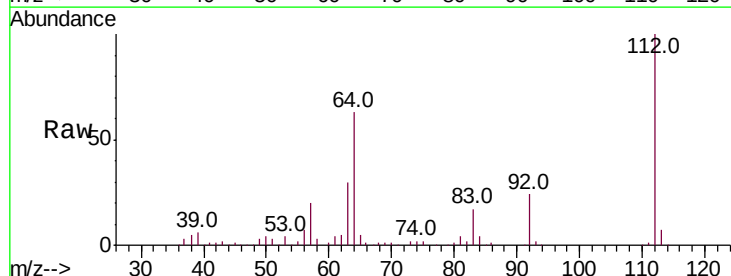
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 38.444 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	47.9	71.9
63	29.6	23.7	35.5

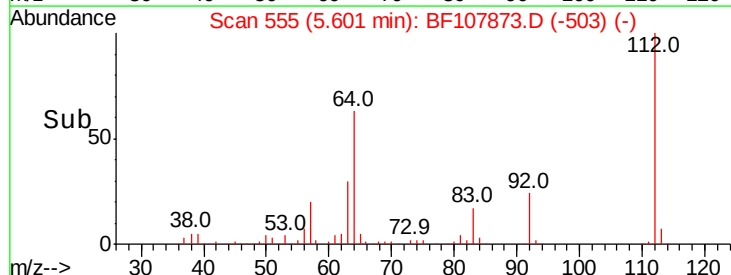
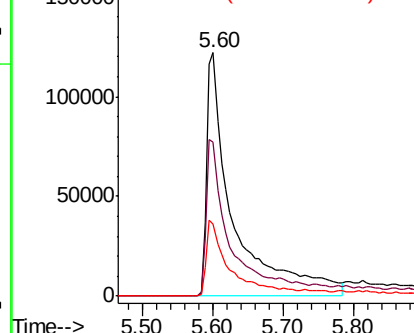


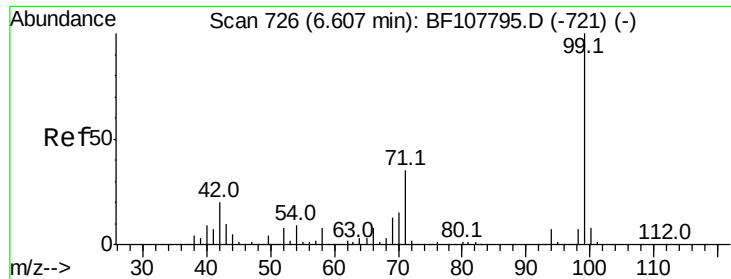
Abundance

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: 37.721 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

Instrument :

BNA_F

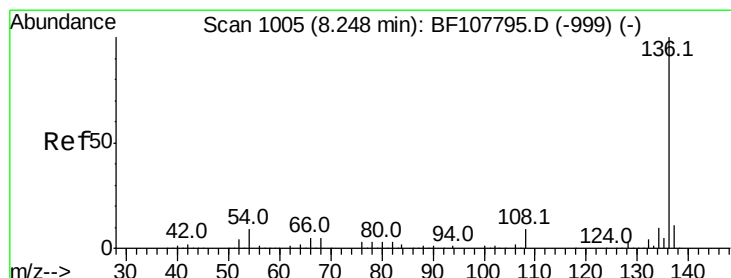
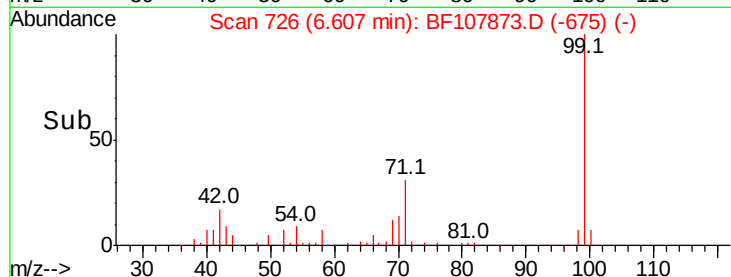
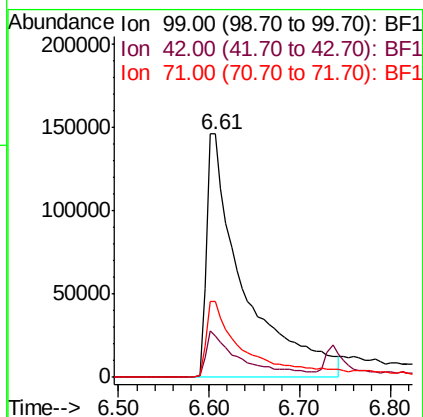
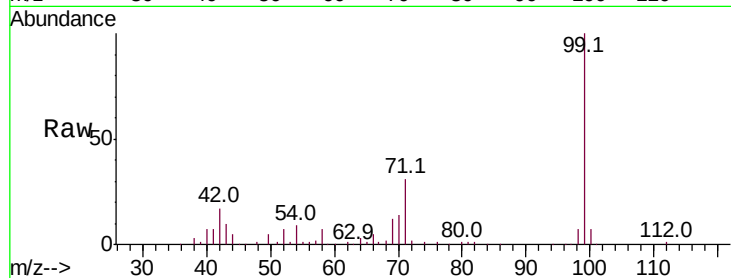
ClientSampled :

CL-01-073018-E

Tot Ion:	99	Resp:	416766
Ion Ratio	Lower	Upper	
99	100		
42	17.1	14.5	21.7
71	31.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

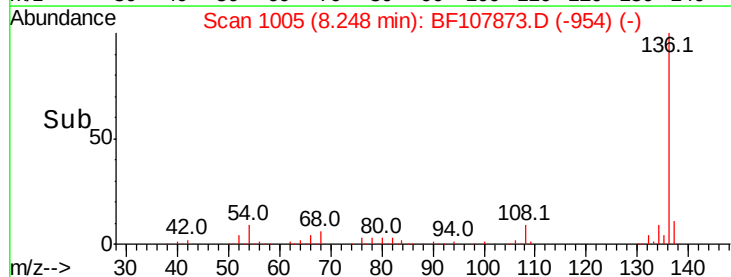
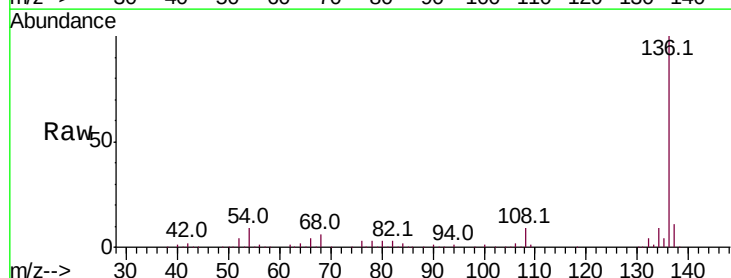
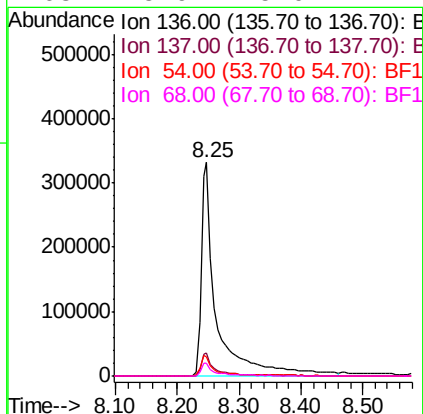
RT: 8.25 min Scan# 1005

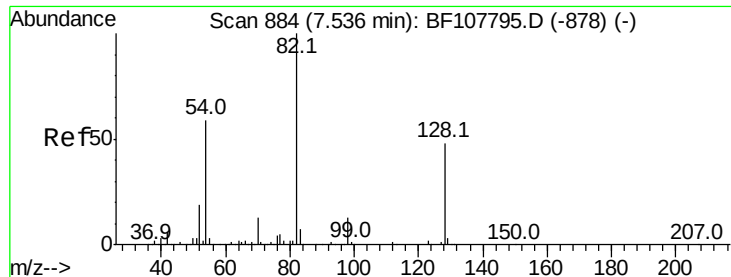
Delta R.T. -0.00 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

Tgt Ion:	136	Resp:	579459
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	9.2	6.6	9.8
68	5.9	5.0	7.4





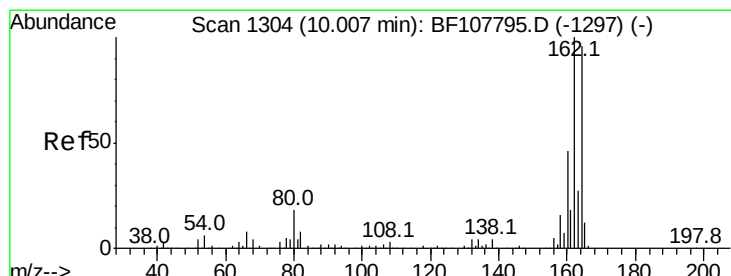
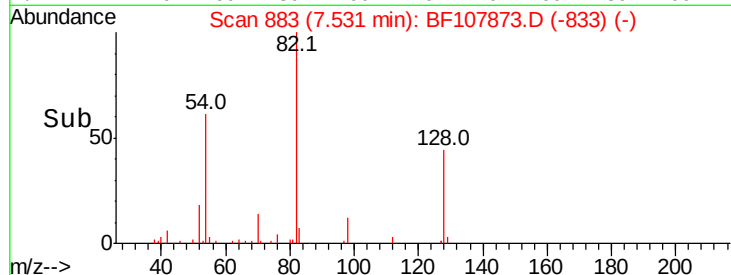
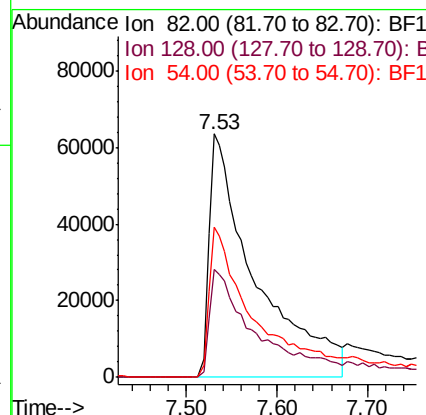
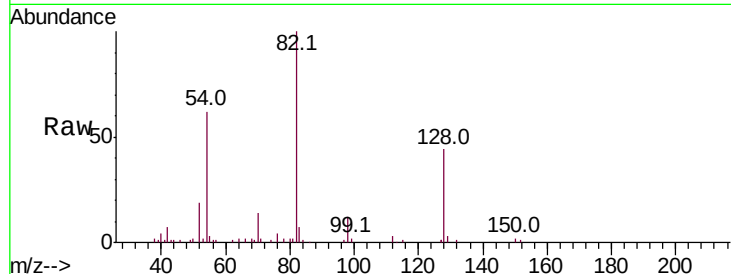
#23
 Nitrobenzene-d5
 Concen: 22.404 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-073018-E

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.1	54.1
54	61.5	41.4	62.2

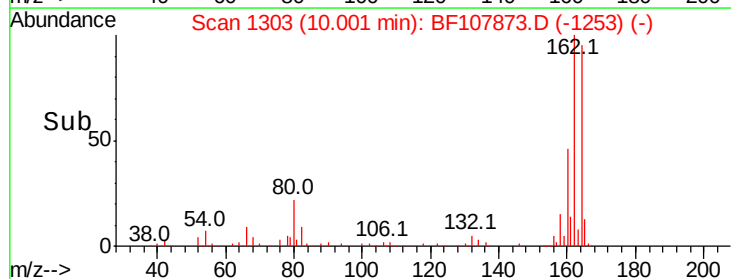
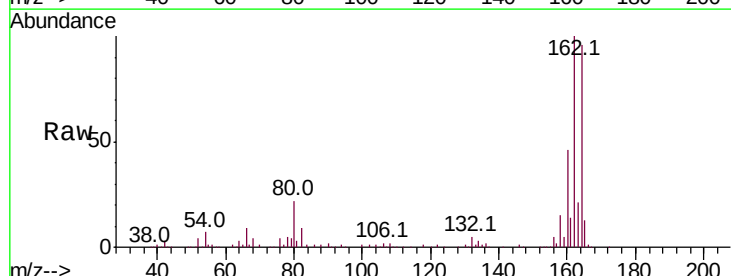
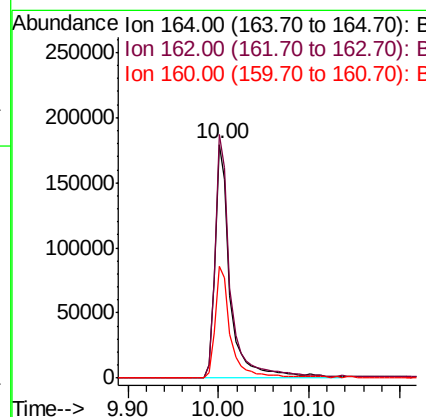
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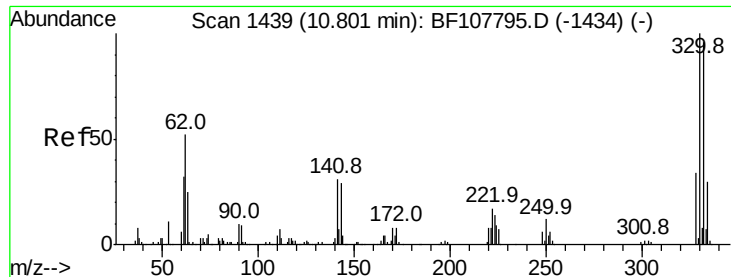
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	86.1	129.1
160	47.5	38.3	57.5





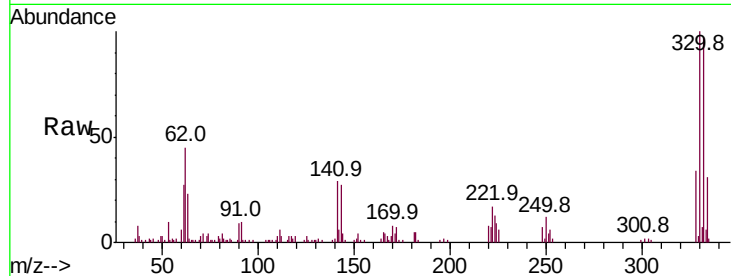
#41
 2,4,6-Tribromophenol
 Concen: 33.394 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-073018-E

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	77.0	115.6	
141	28.4	29.9	44.9	

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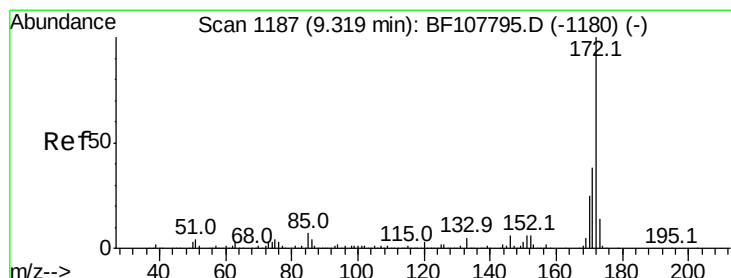
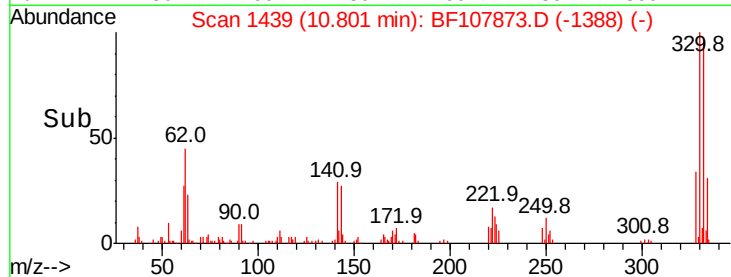
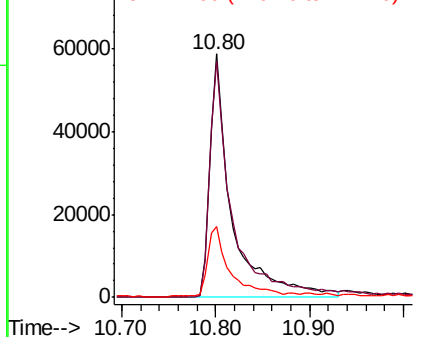


Abundance

Ion 329.80 (329.50 to 330.50): E

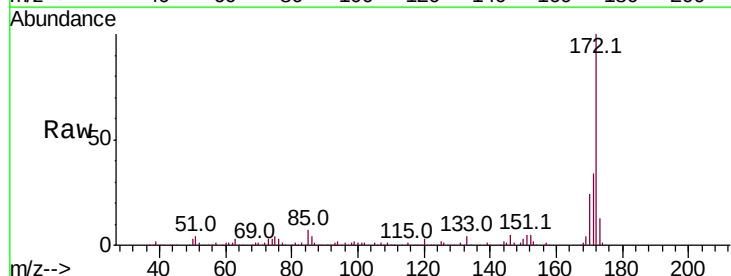
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 34.458 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.0	29.7	44.5	
170	23.5	19.6	29.4	

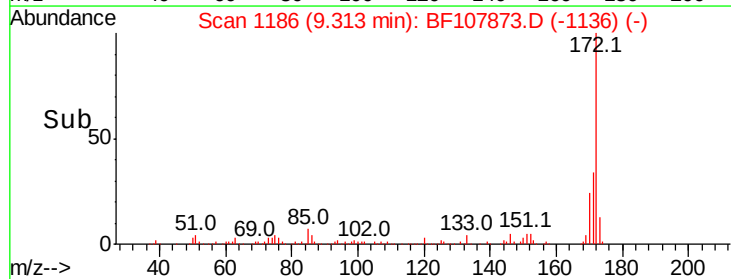
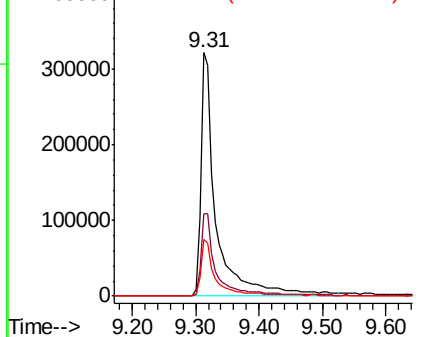


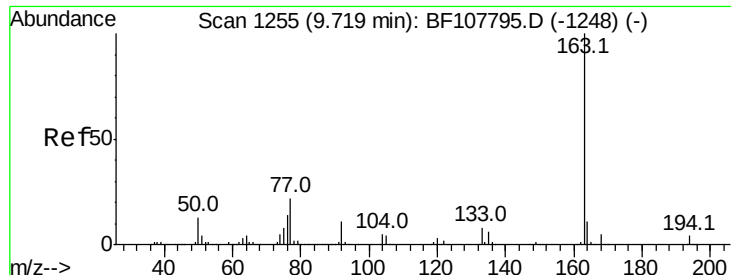
Abundance

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





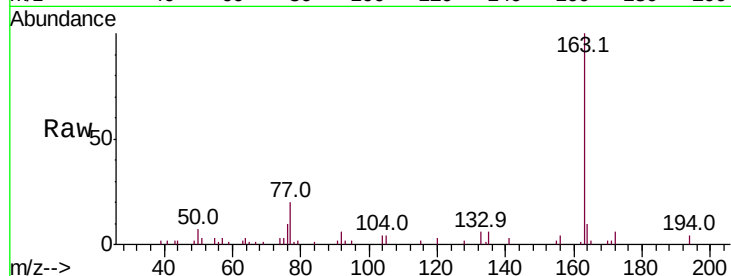
#49
Dimethylphthalate
Concen: 2.392 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Instrument :
BNA_F
ClientSampleId :
CL-01-073018-E

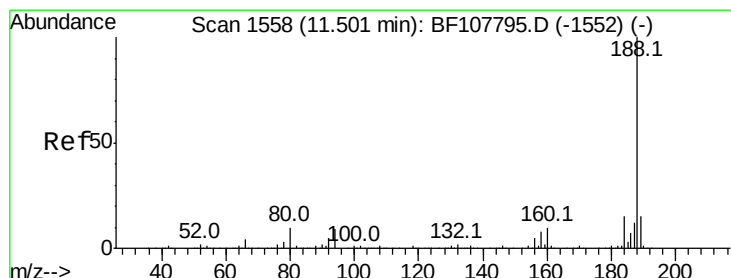
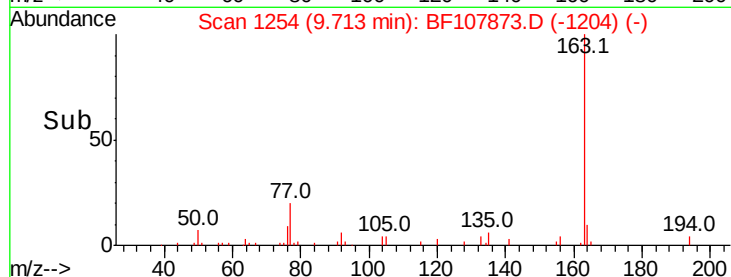
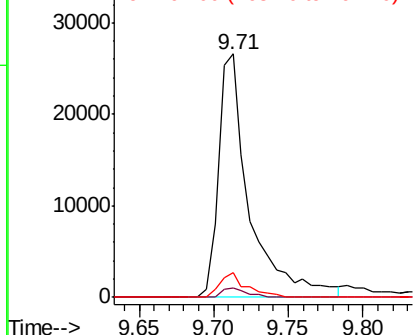
Tot Ion:	163	Resp:	38544
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	10.3	8.2	12.2

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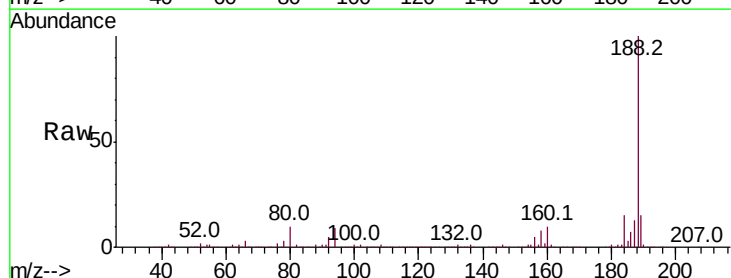


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

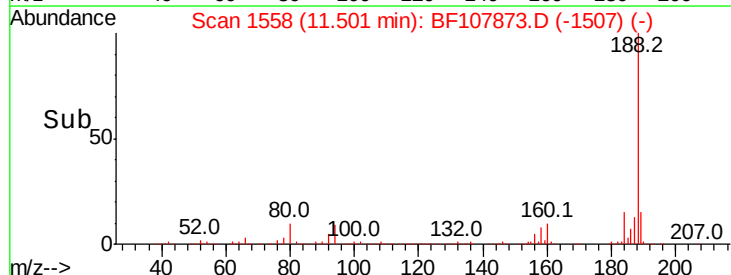
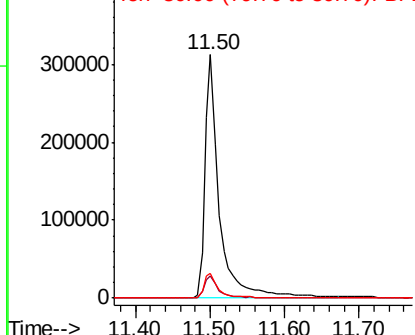


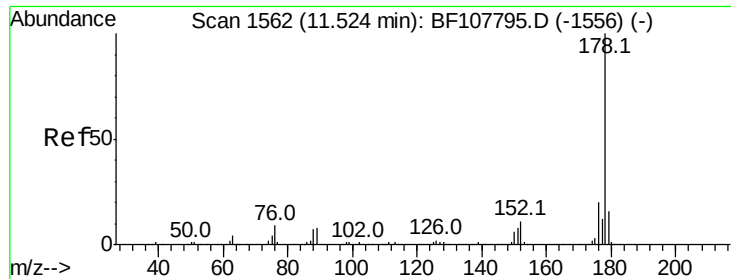
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Tgt Ion:	188	Resp:	422114
Ion Ratio	Lower	Upper	
188	100		
94	9.0	8.5	12.7
80	9.9	9.2	13.8



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





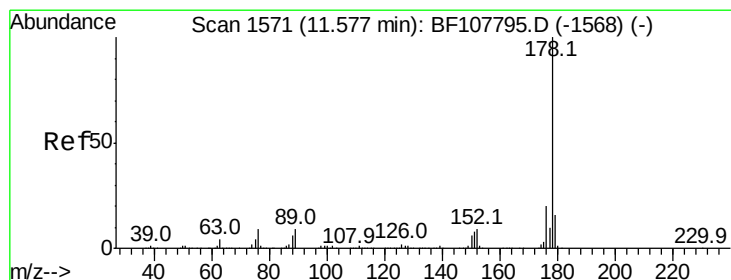
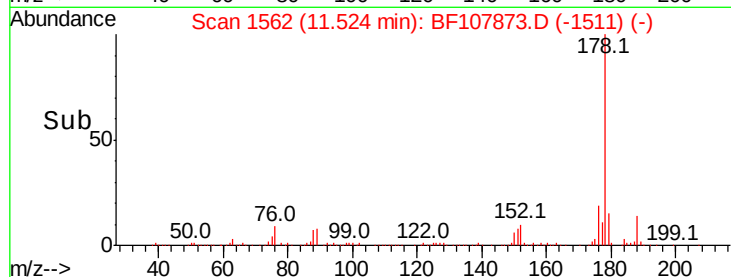
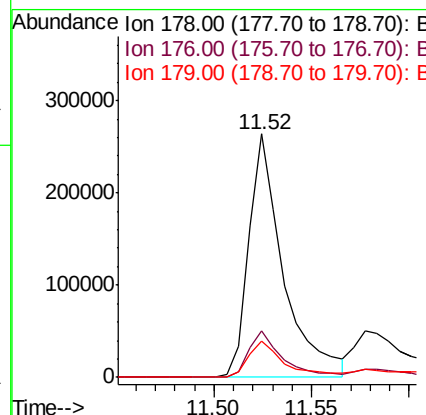
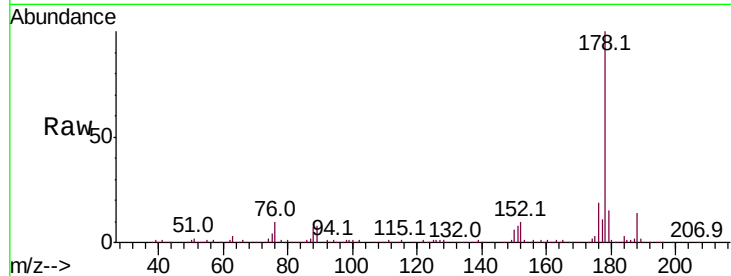
#70
Phenanthrene
Concen: 16.143 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Instrument :
BNA_F
ClientSampleId :
CL-01-073018-E

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.0	13.0	19.6

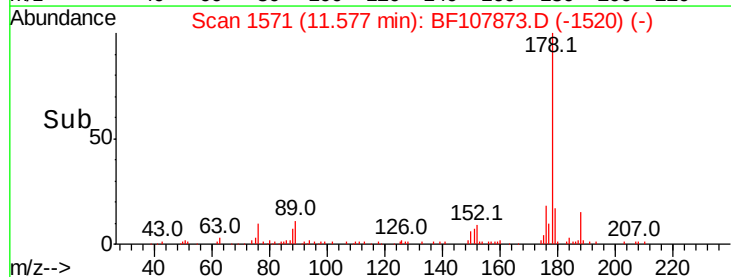
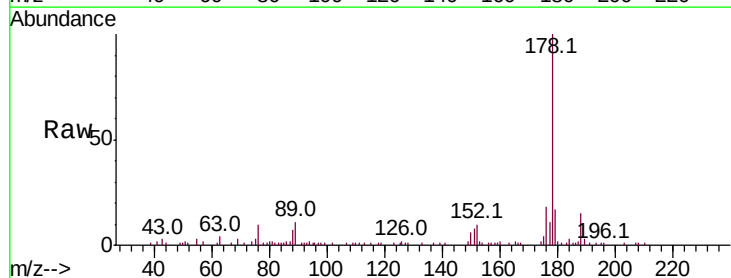
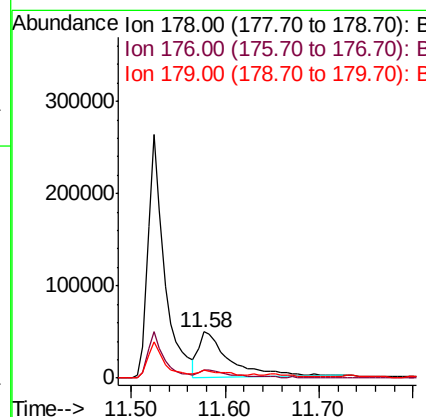
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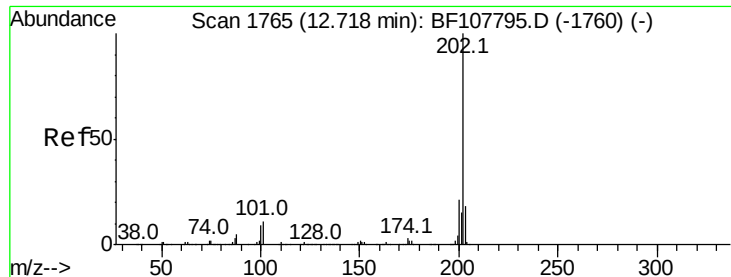
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#71
Anthracene
Concen: 4.798 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	17.1	12.6	19.0





#74

Fluoranthene

Concen: 21.861 ng

RT: 12.72 min Scan# 1765

Delta R.T. -0.00 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

Instrument :

BNA_F

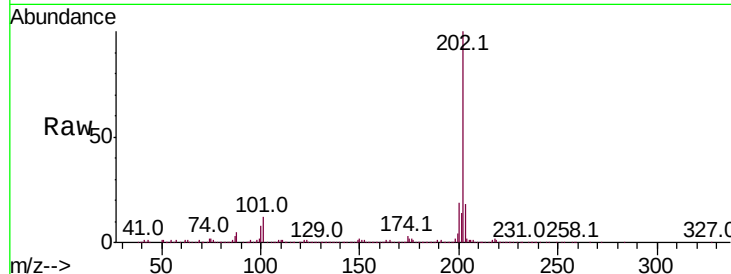
ClientSampleId :

CL-01-073018-E

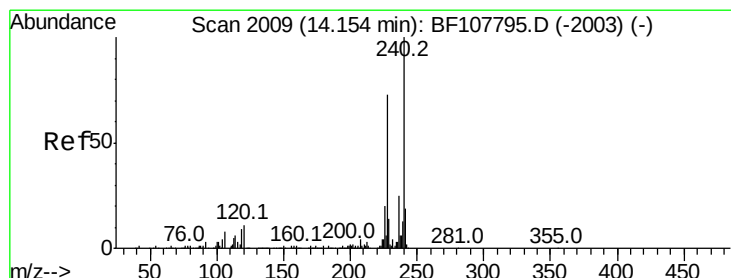
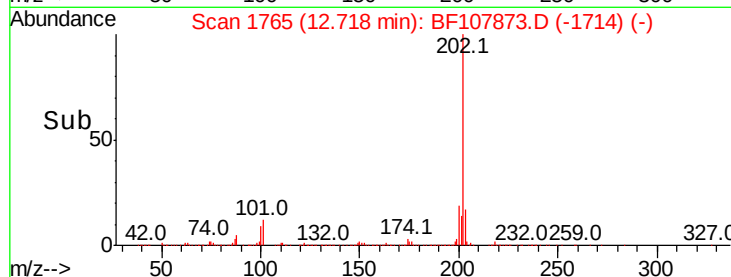
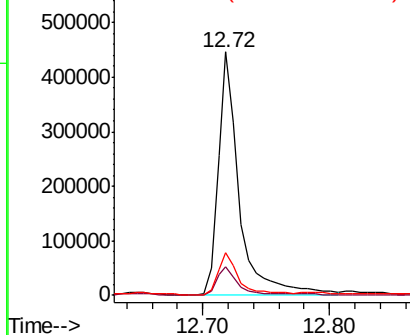
Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	11.6	0.0	34.1	
203	17.6	0.0	38.1	

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

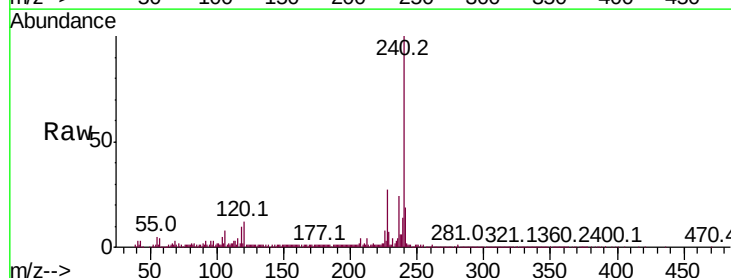
RT: 14.15 min Scan# 2009

Delta R.T. -0.00 min

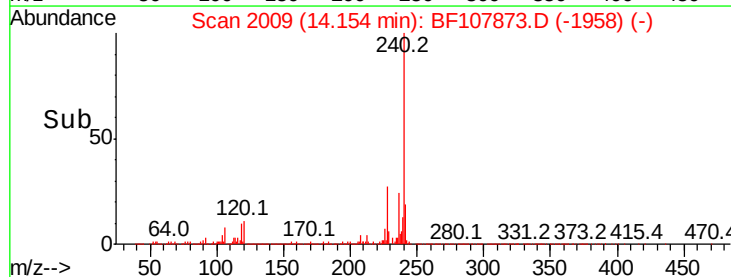
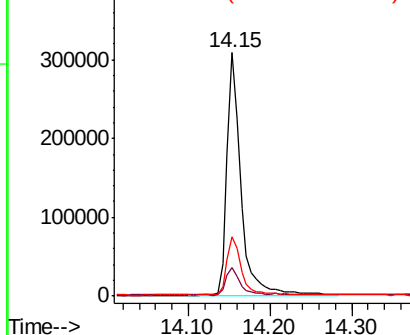
Lab File: BF107873.D

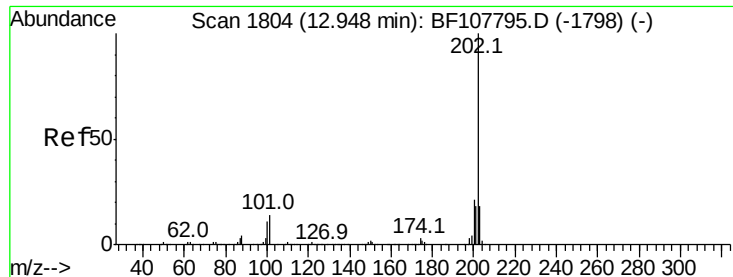
Acq: 1 Aug 2018 1:54

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.9	9.5	14.3	
236	24.4	20.7	31.1	



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





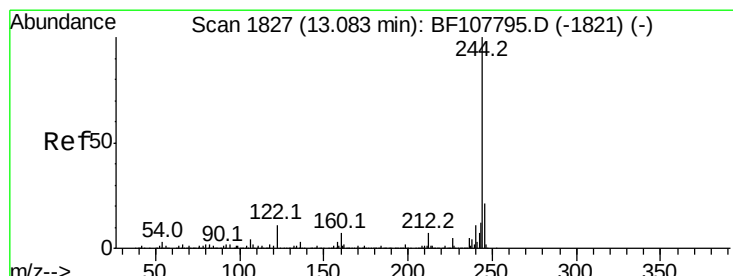
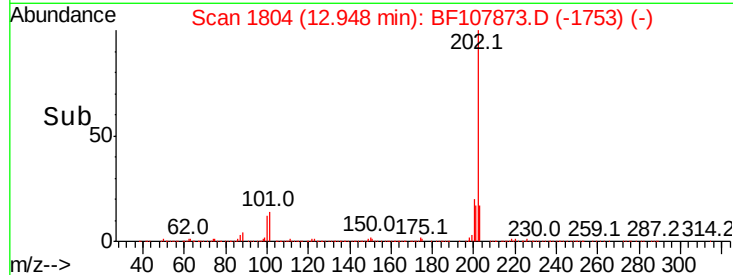
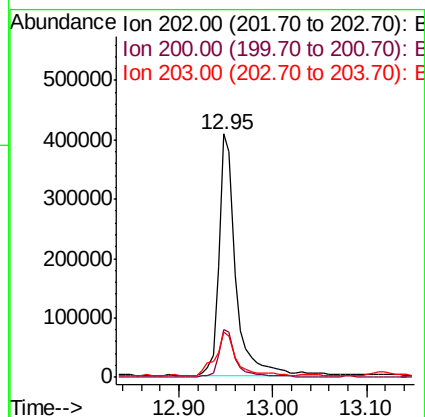
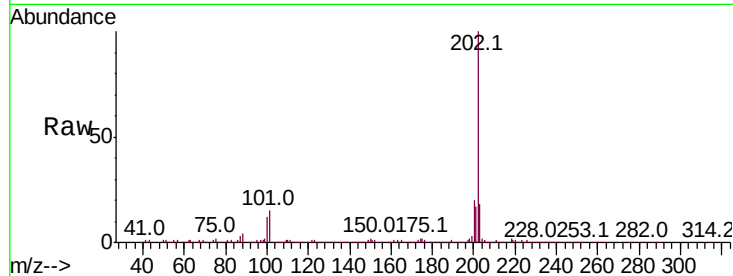
#77
Pvrene
Concen: 19.642 ng
RT: 12.95 min Scan# 1804
Delta R.T. -0.00 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Instrument :
BNA_F
ClientSampleId :
CL-01-073018-E

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.7		17.4	26.2
203	18.3		14.3	21.5

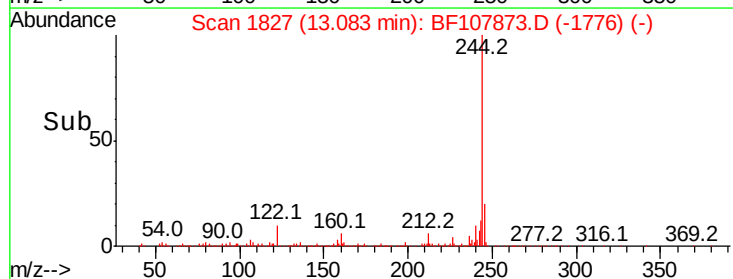
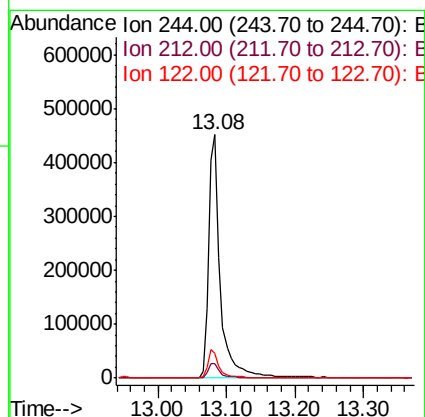
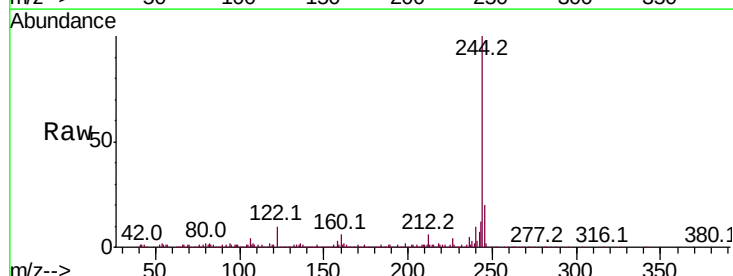
Manual Integrations
APPROVED

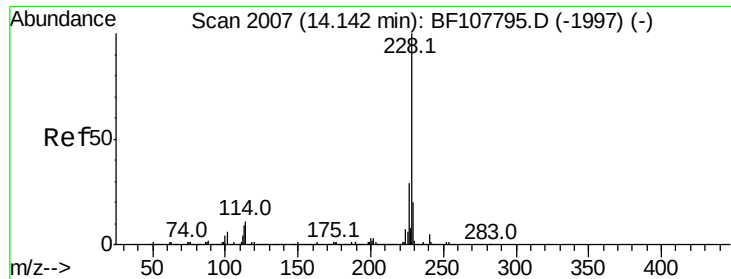
Sohil
8/1/2018 3:57:38 PM



#78
Terphenyl-d14
Concen: 32.668 ng
RT: 13.08 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.2		5.4	8.0
122	10.1		11.0	16.4





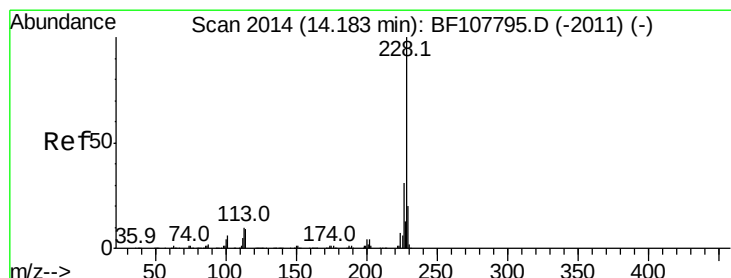
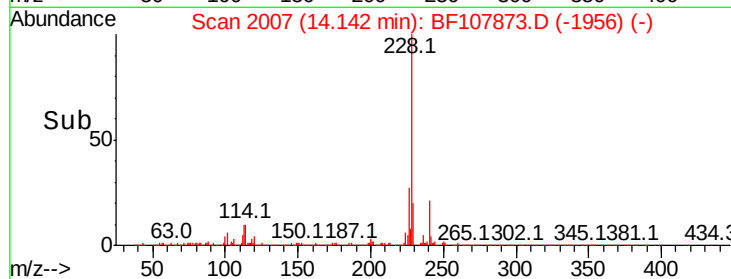
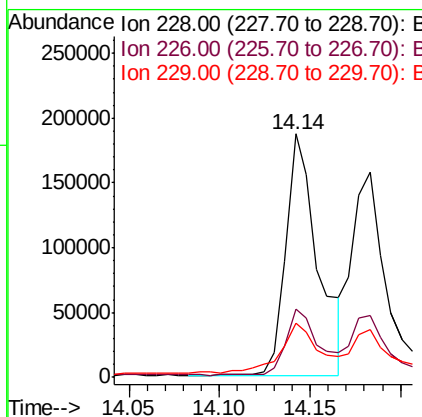
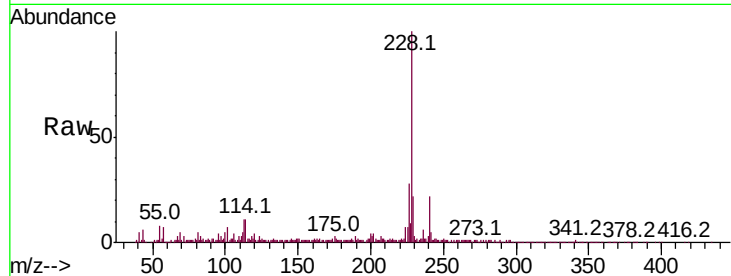
#80
Benzo(a)anthracene
Concen: 11.091 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.00 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Instrument :
BNA_F
ClientSampleId :
CL-01-073018-E

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	22.0	15.8	23.6

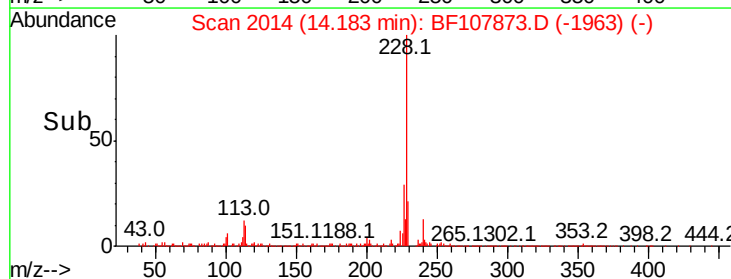
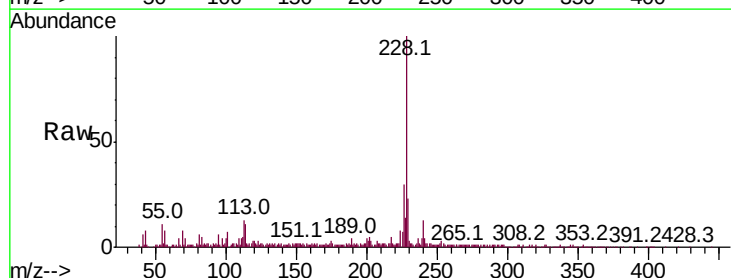
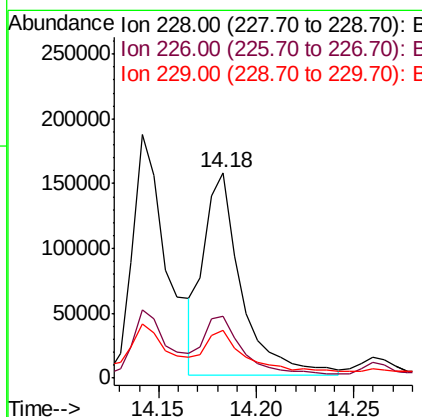
Manual Integrations
APPROVED

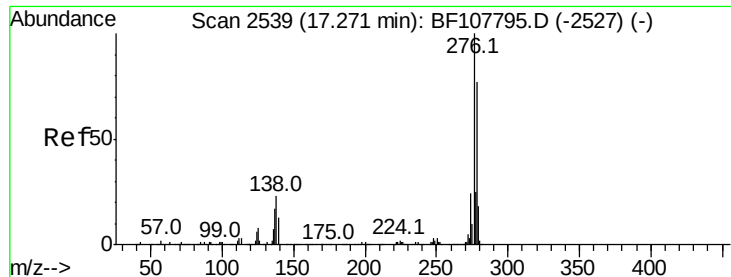
Sohil
8/1/2018 3:57:38 PM



#82
Chrysene
Concen: 9.408 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.00 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	23.2	16.2	24.4





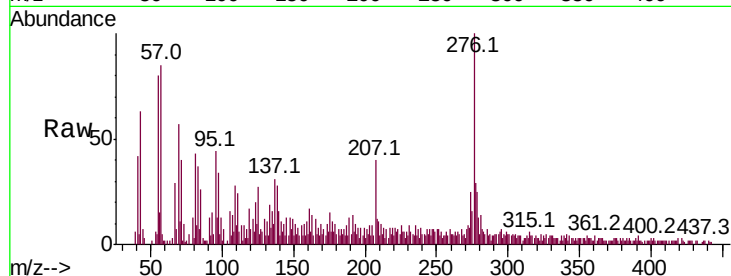
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.413 ng
 RT: 17.28 min Scan# 2541
 Delta R.T. 0.01 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-073018-E

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	25.0	37.6#
277	23.4	20.1	30.1

Manual Integrations
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Sohil
 8/1/2018 3:57:38 PM

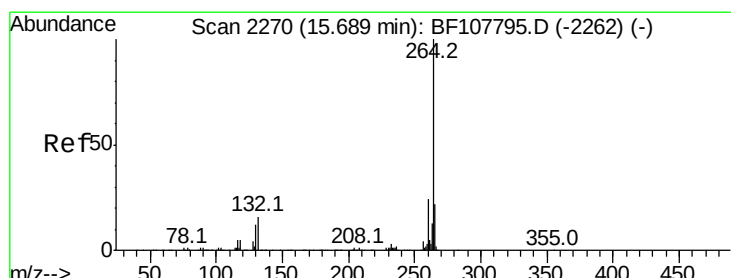
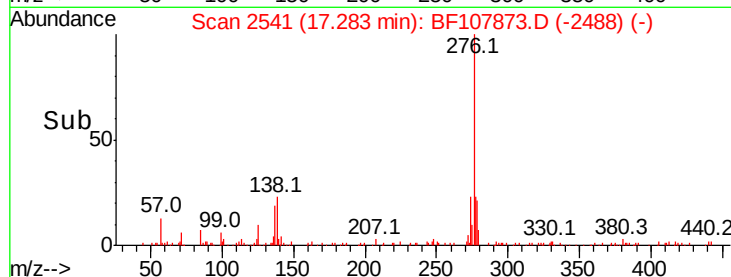
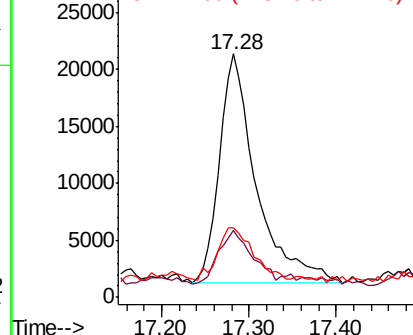


Abundance

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



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

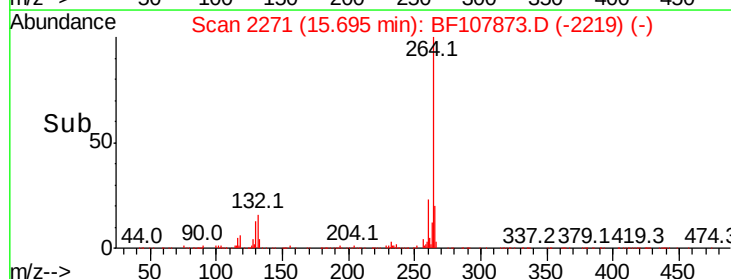
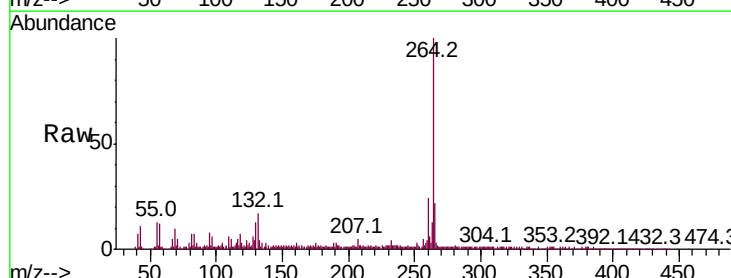
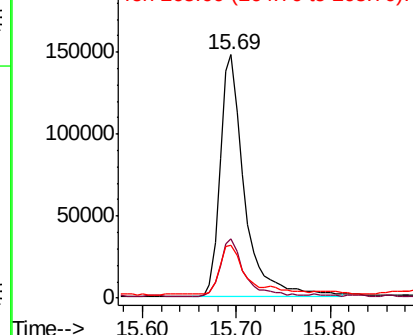
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.9	17.5	26.3

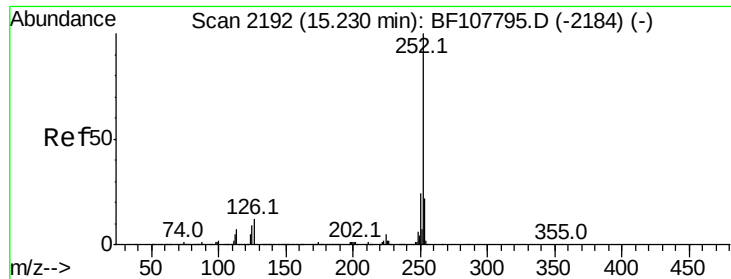
Abundance

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





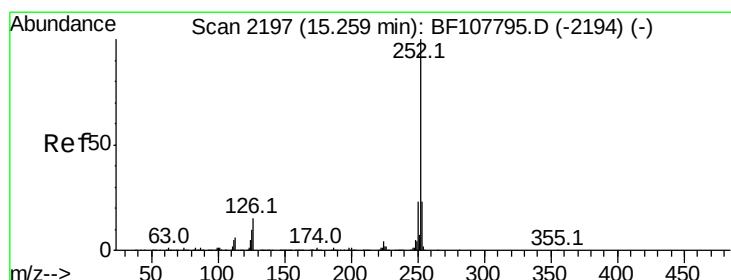
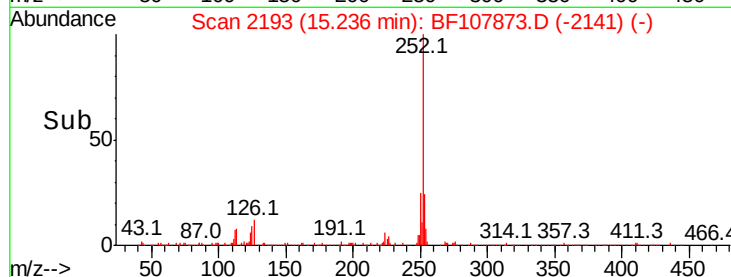
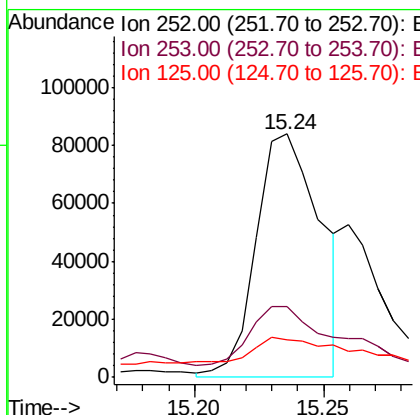
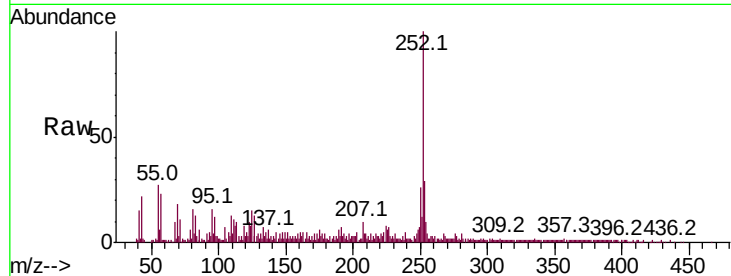
#87
Benzo(b)fluoranthene
Concen: 11.050 ng m
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Instrument :
BNA_F
ClientSampleId :
CL-01-073018-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.0	25.6#
125	15.4	9.0	13.6#

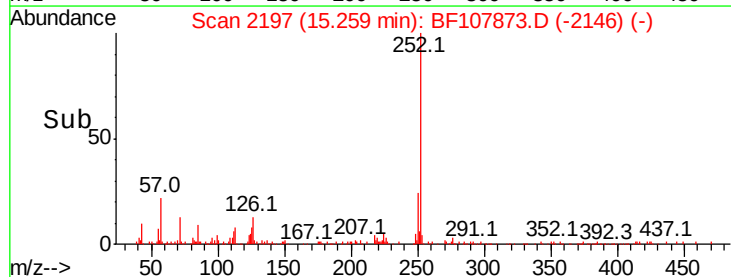
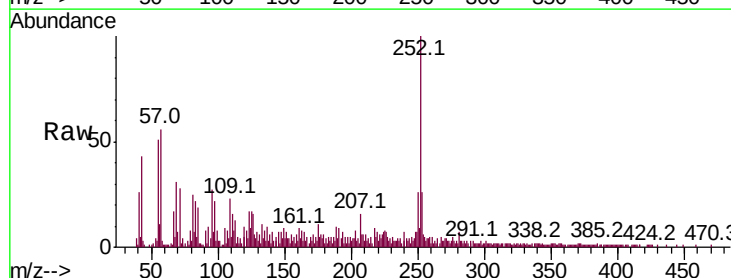
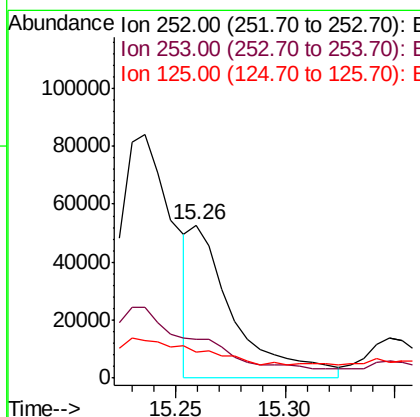
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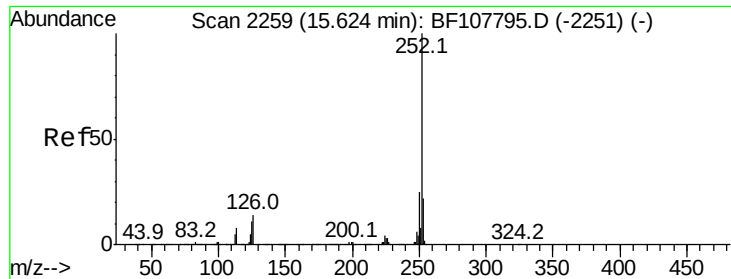
Sohil
8/1/2018 3:57:38 PM



#88
Benzo(k)fluoranthene
Concen: 4.511 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.00 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.9	26.9
125	17.2	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 7.847 ng

RT: 15.63 min Scan# 2260

Delta R.T. 0.01 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

Instrument :

BNA_F

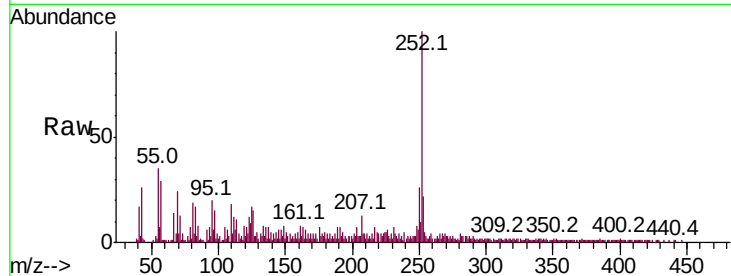
ClientSampleId :

CL-01-073018-E

Tot Ion:	252	Resp:	106580
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.1	25.7
125	16.7	9.8	14.6

Manual Integrations
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8/1/2018 3:57:38 PM

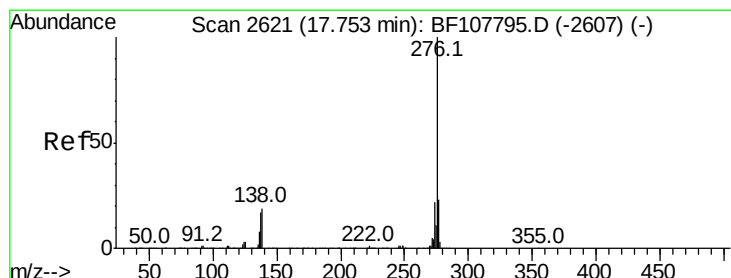
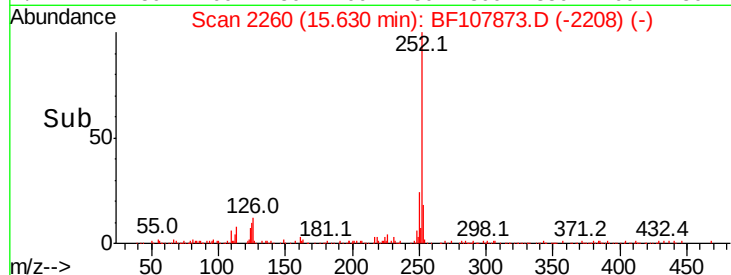
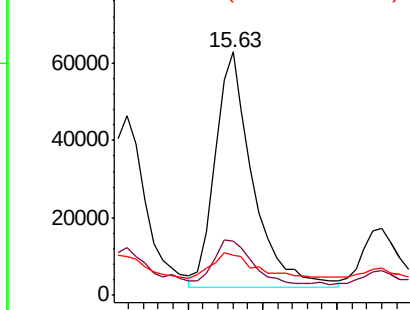


Abundance

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



#91

Benzo(g,h,i)perylene

Concen: 5.025 ng

RT: 17.77 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

Tgt Ion:	276	Resp:	57605
Ion Ratio	Lower	Upper	
276	100		
277	27.5	17.9	26.9
138	26.8	21.8	32.8

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

