

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
 Data File : BF107279.D
 Acq On : 10 Jul 2018 18:09
 Operator : JU/SJ
 Sample : J3891-01RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 212-72-11940-R4-VNJ-242RE

Manual Integrations
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Sohil
 7/11/2018 11:22:53 AM

Quant Time: Jul 11 08:27:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	31359	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	110215	20.00	ng	-0.03
38) Acenaphthene-d10	9.98	164	51915	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	114551	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	104231	20.00	ng	-0.03
86) Perylene-d12	15.68	264	79343	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	189163	102.14	ng	-0.02
7) Phenol-d6	6.59	99	223979	96.85	ng	-0.02
23) Nitrobenzene-d5	7.50	82	131195	66.15	ng	-0.04
41) 2,4,6-Tribromophenol	10.78	330	65267	108.47	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	210973	65.38	ng	-0.03
78) Terphenyl-d14	13.06	244	271033	62.99	ng	-0.02
Target Compounds						
31) Naphthalene	8.24	128	20248	3.929	ng	Qvalue 98
37) 2-Methylnaphthalene	8.94	142	11734	3.436	ng	93
48) Acenaphthylene	9.84	152	11233	2.185	ng	# 97
49) Dimethylphthalate	9.69	163	46016	11.818	ng	99
51) Acenaphthene	10.01	154	17051	5.266	ng	97
54) Dibenzofuran	10.19	168	29288	6.606	ng	91
57) Fluorene	10.53	166	38884	11.052	ng	99
70) Phenanthrene	11.51	178	301405	54.553	ng	99
71) Anthracene	11.55	178	93989	16.666	ng	99
72) Carbazole	11.71	167	19505	3.694	ng	96
74) Fluoranthene	12.71	202	350718	57.592	ng	94
77) Pylene	12.94	202	303168	44.108	ng	99
80) Benzo(a)anthracene	14.13	228	144348	22.723	ng	99
82) Chrysene	14.17	228	126829	21.701	ng	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	11971	3.313	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.27	276	44086m	8.889	ng	
87) Benzo(b)fluoranthene	15.22	252	123008m	24.957	ng	
88) Benzo(k)fluoranthene	15.25	252	31710m	6.756	ng	
89) Benzo(a)pyrene	15.61	252	82751	18.886	ng	96
90) Dibenzo(a,h)anthracene	17.26	278	12815	3.451	ng	# 70
91) Benzo(g,h,i)perylene	17.75	276	42862	11.809	ng	# 91

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

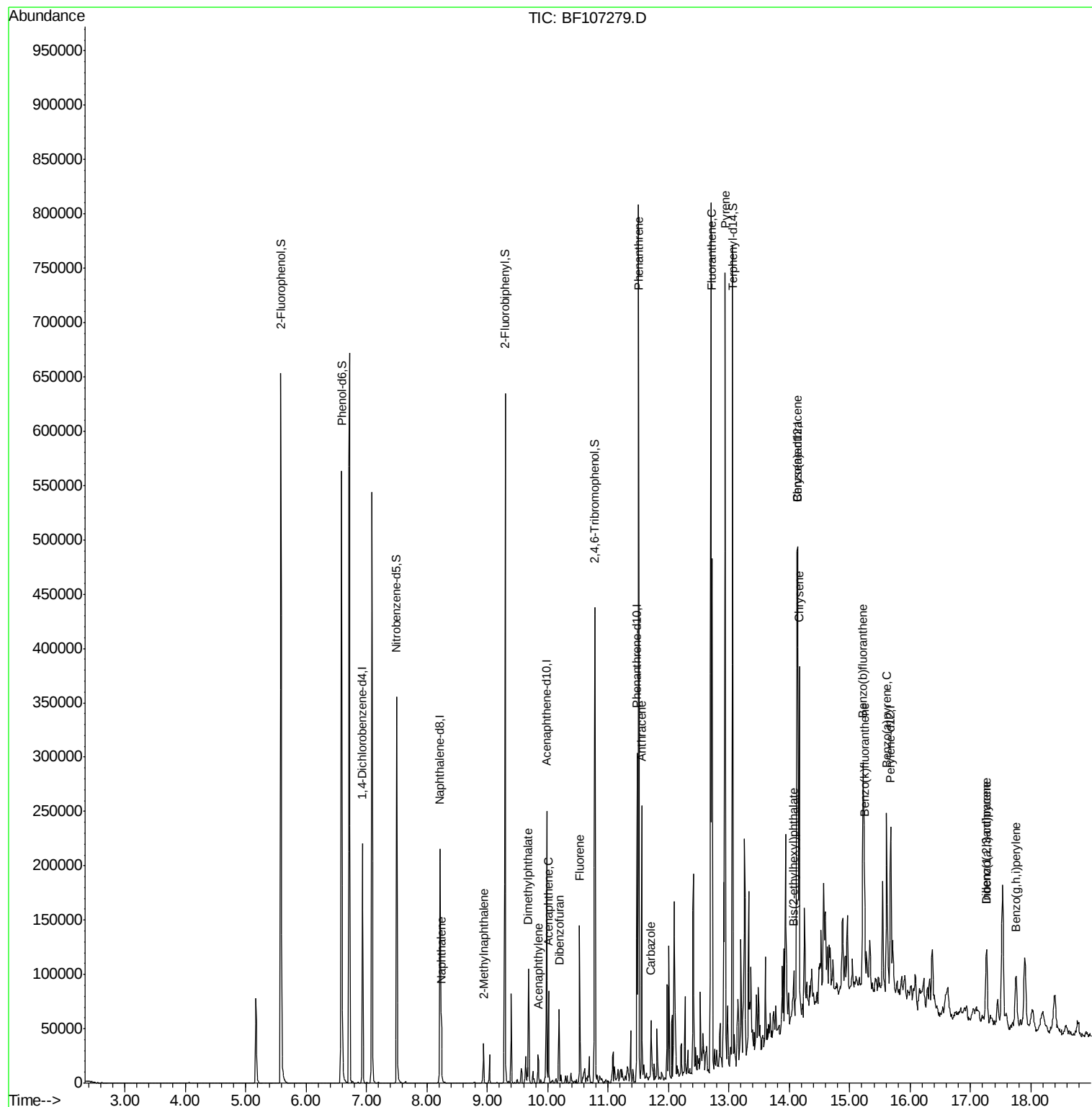
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
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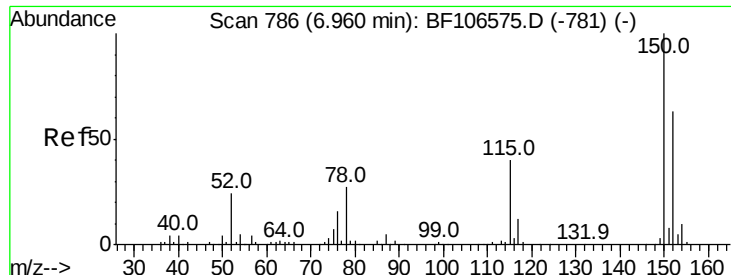
Instrument :
BNA_F
ClientSampleId :
212-72-11940-R4-VNJ-242RE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

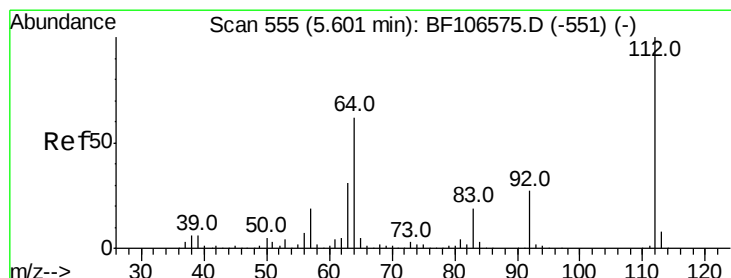
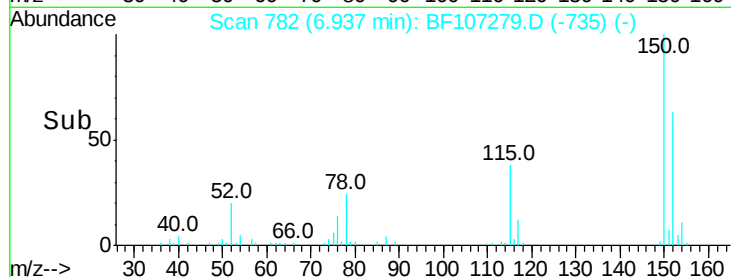
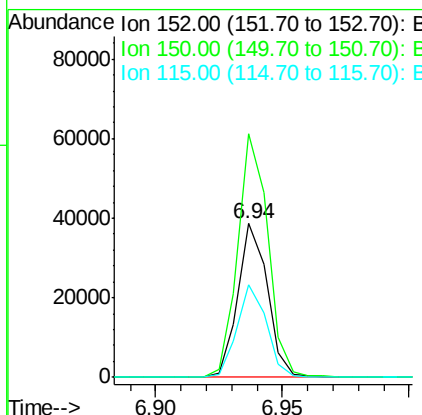
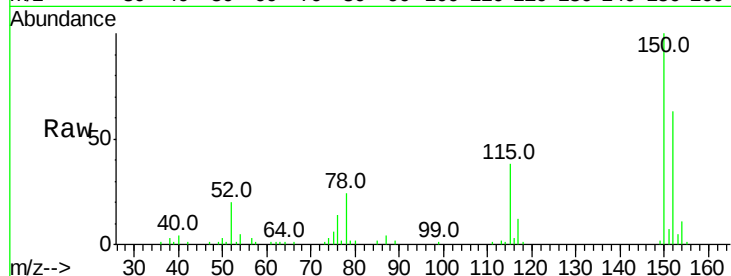
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF107279.D
Acq: 10 Jul 2018 18:09

Instrument :
BNA_F
ClientSampleId :
212-72-11940-R4-VNJ-242RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	60.5	50.1	75.1

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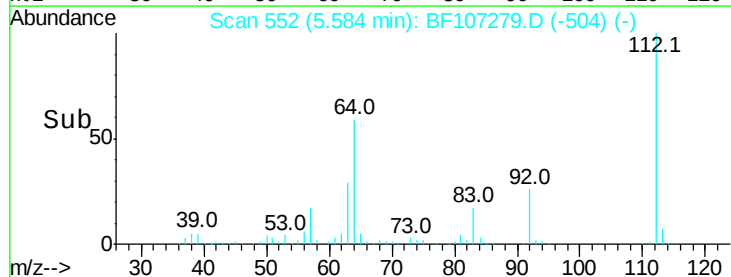
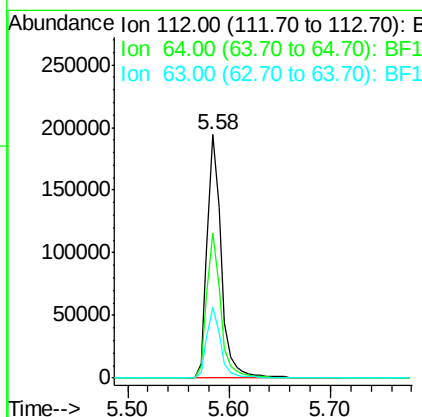
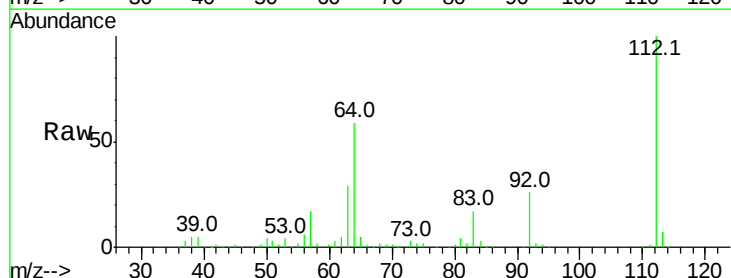
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#5

2-Fluorophenol
Concen: 102.144 ng
RT: 5.58 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF107279.D
Acq: 10 Jul 2018 18:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.9	71.9
63	29.1	23.7	35.5





#7

Phenol-d6

Concen: 96.848 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107279.D

Acq: 10 Jul 2018 18:09

Instrument :

BNA_F

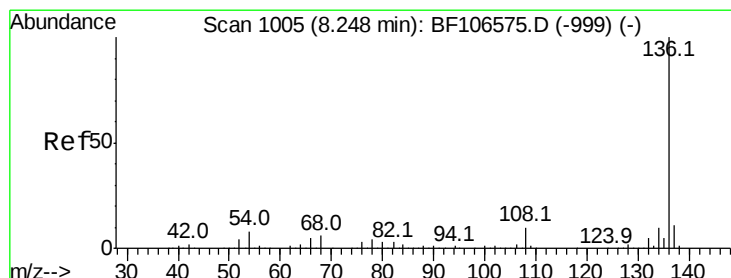
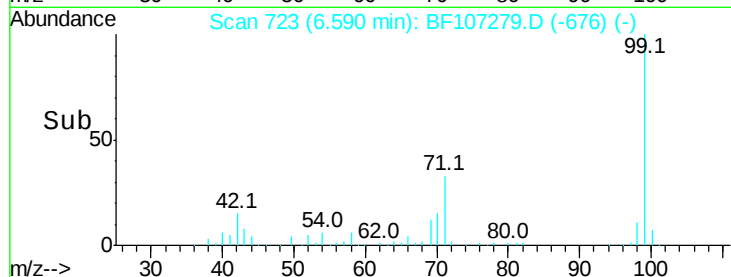
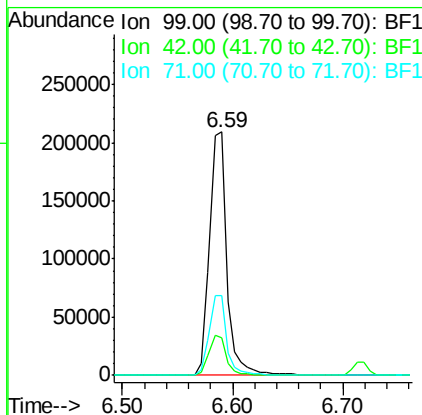
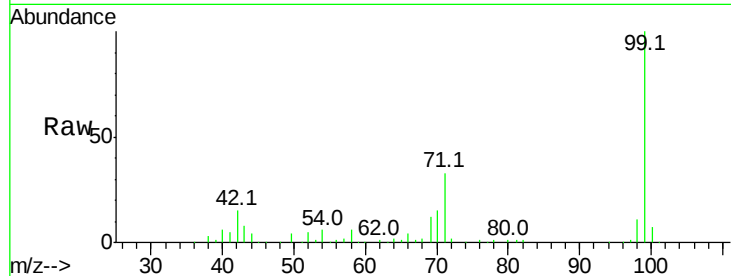
ClientSampleId :

212-72-11940-R4-VNJ-242RE

Tot Ion:	99	Resp:	223979
Ion Ratio	Lower	Upper	
99	100		
42	15.5	14.5	21.7
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

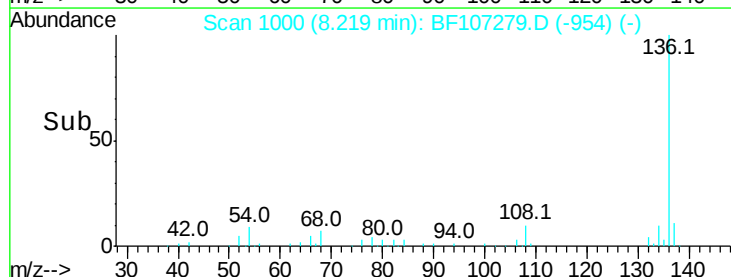
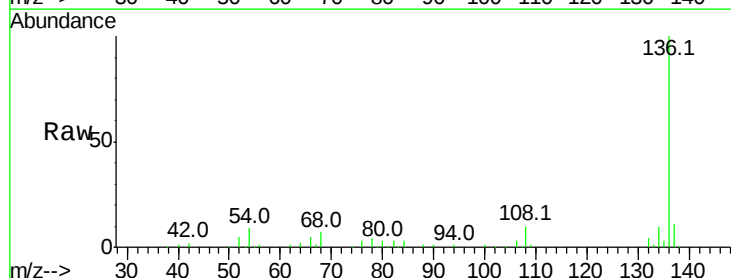
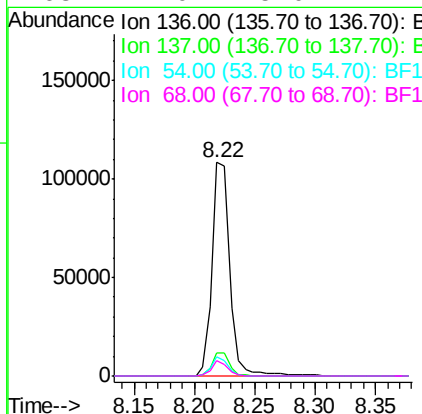
RT: 8.22 min Scan# 1000

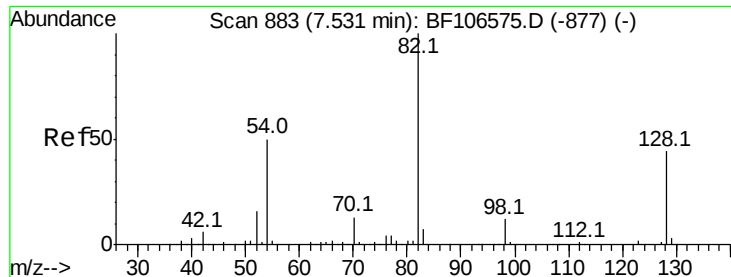
Delta R.T. -0.03 min

Lab File: BF107279.D

Acq: 10 Jul 2018 18:09

Tgt Ion:	136	Resp:	110215
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.8	6.6	9.8
68	7.0	5.0	7.4





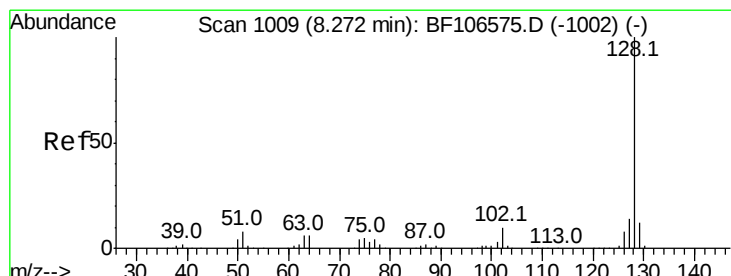
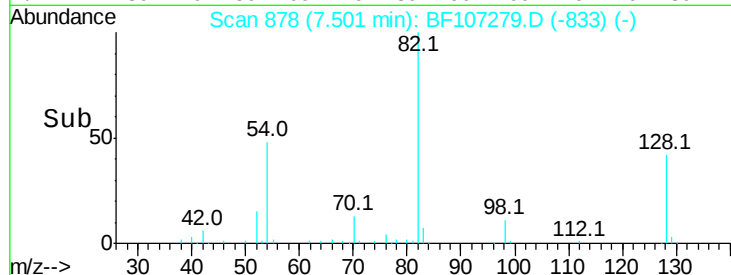
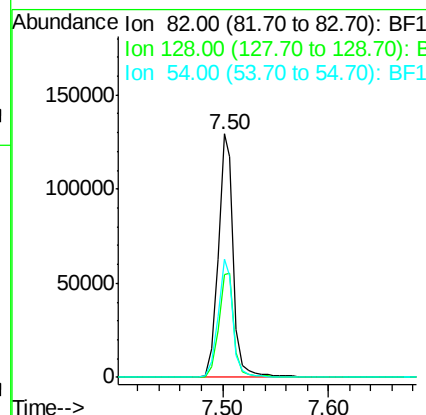
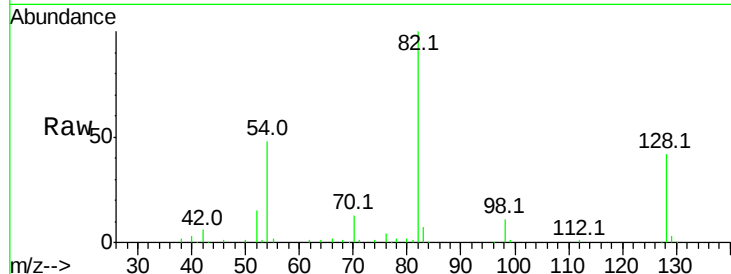
#23
 Nitrobenzene-d5
 Concen: 66.152 ng
 RT: 7.50 min Scan# 878
 Delta R.T. -0.04 min
 Lab File: BF107279.D
 Acq: 10 Jul 2018 18:09

Instrument :
 BNA_F
 ClientSampleId :
 212-72-11940-R4-VNJ-242RE

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.1	36.1	54.1	
54	48.5	41.4	62.2	

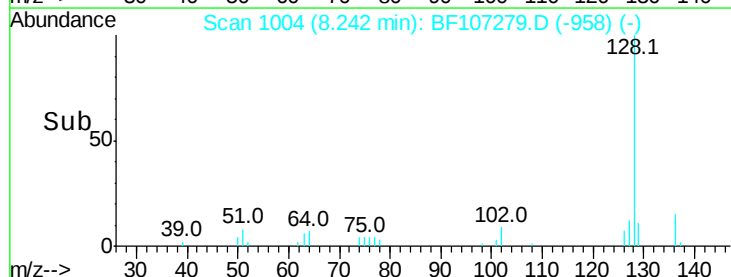
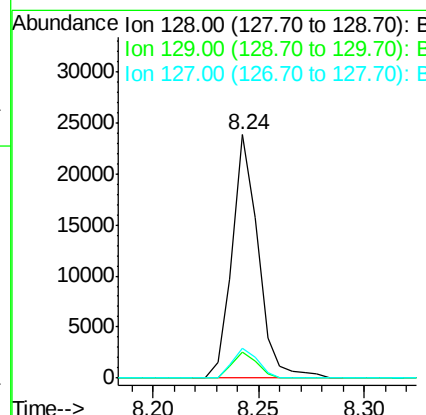
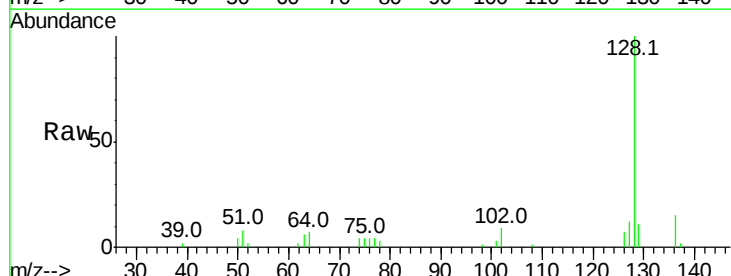
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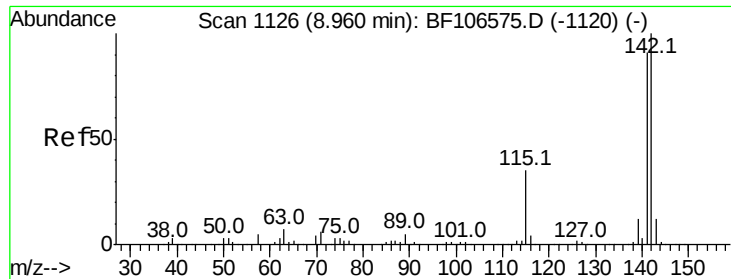
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#31
 Naphthalene
 Concen: 3.929 ng
 RT: 8.24 min Scan# 1004
 Delta R.T. -0.03 min
 Lab File: BF107279.D
 Acq: 10 Jul 2018 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.5	8.8	13.2	
127	12.2	10.9	16.3	





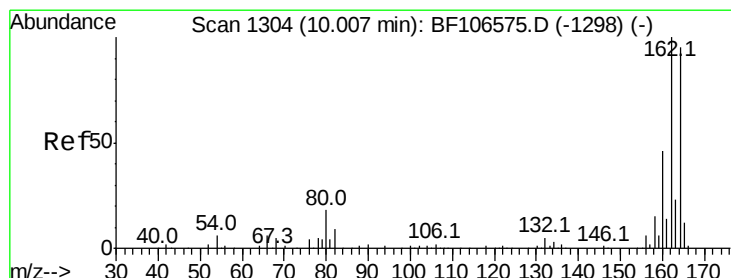
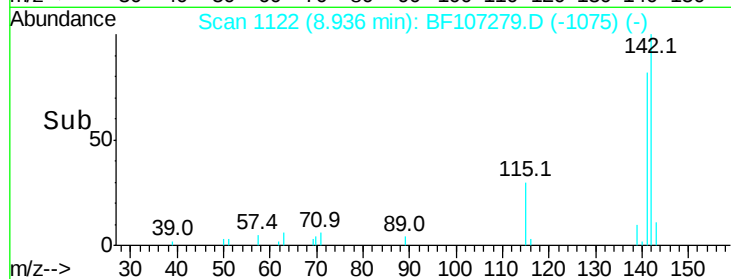
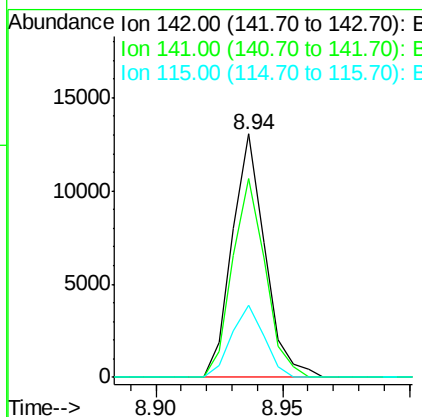
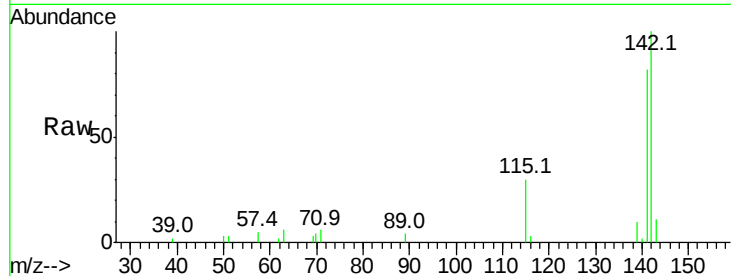
#37
 2-Methylnaphthalene
 Concen: 3.436 ng
 RT: 8.94 min Scan# 1122
 Delta R.T. -0.02 min
 Lab File: BF107279.D
 Acq: 10 Jul 2018 18:09

Instrument :
 BNA_F
 ClientSampleId :
 212-72-11940-R4-VNJ-242RE

Tot Ion	Ratio	Lower	Upper
142	100		
141	81.6	70.8	106.2
115	29.7	26.1	39.1

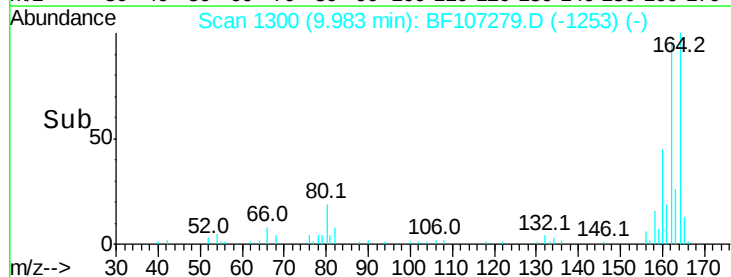
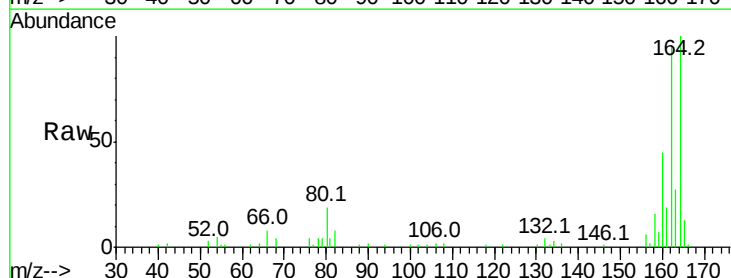
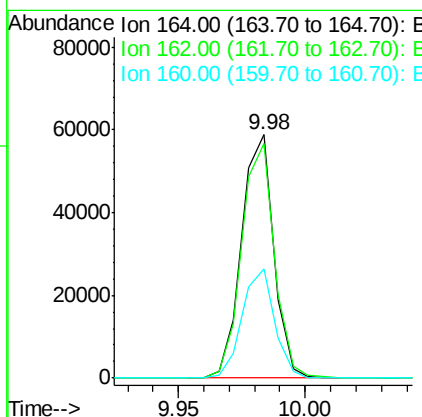
Manual Integrations
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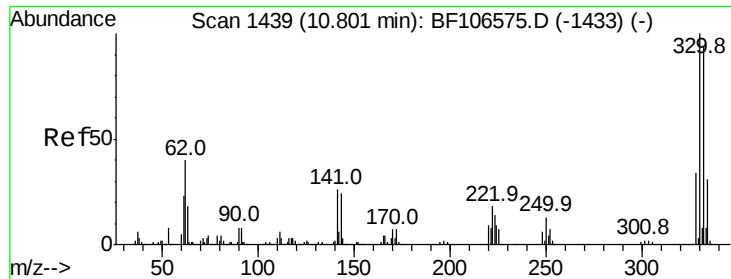
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF107279.D
 Acq: 10 Jul 2018 18:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.3	86.1	129.1
160	44.6	38.3	57.5





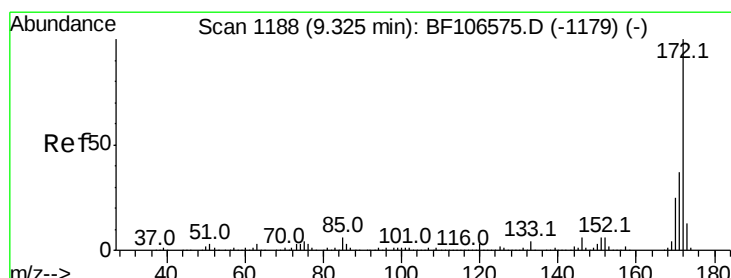
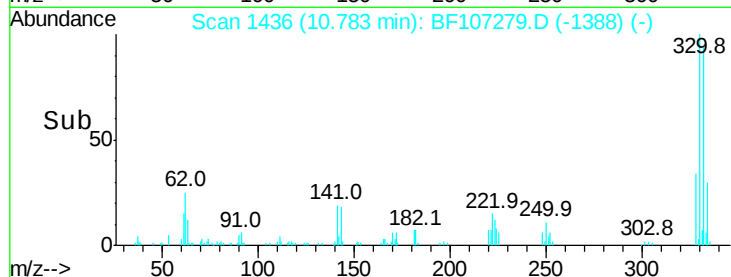
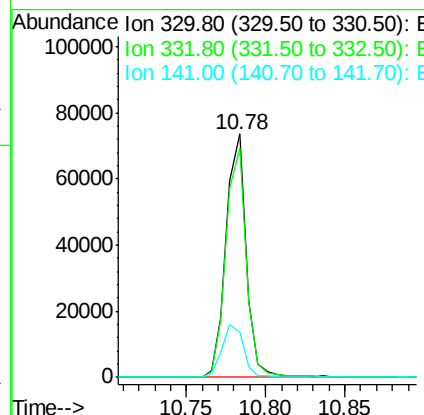
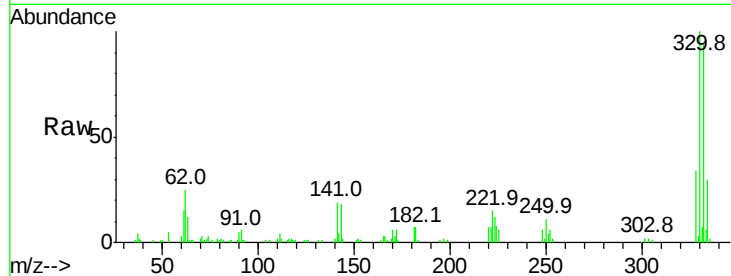
#41
 2,4,6-Tribromophenol
 Concen: 108.469 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107279.D
 Acq: 10 Jul 2018 18:09

Instrument :
 BNA_F
 ClientSampleId :
 212-72-11940-R4-VNJ-242RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	23.2	29.9	44.9#

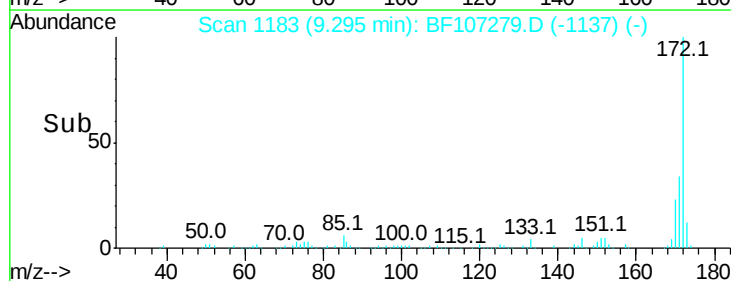
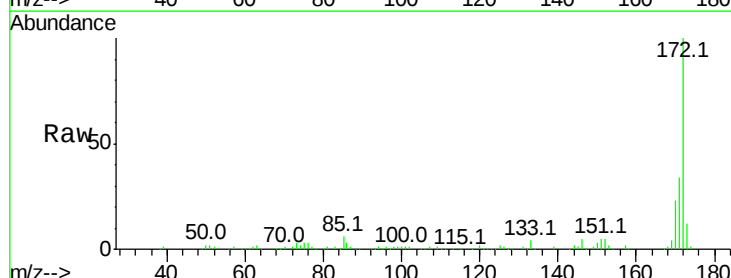
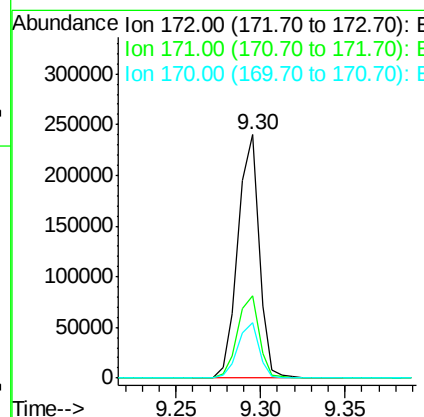
Manual Integrations
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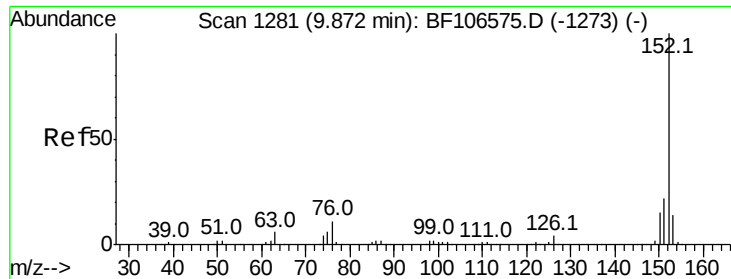
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#44
 2-Fluorobiphenyl
 Concen: 65.380 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: BF107279.D
 Acq: 10 Jul 2018 18:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.7	44.5
170	23.0	19.6	29.4





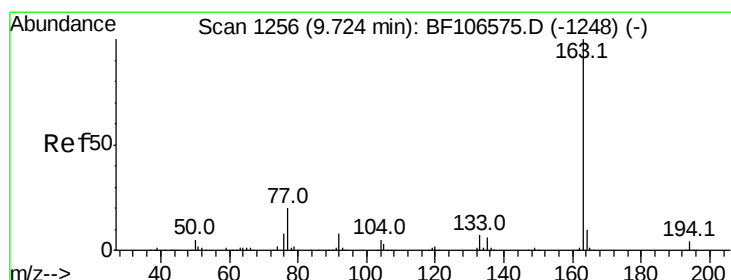
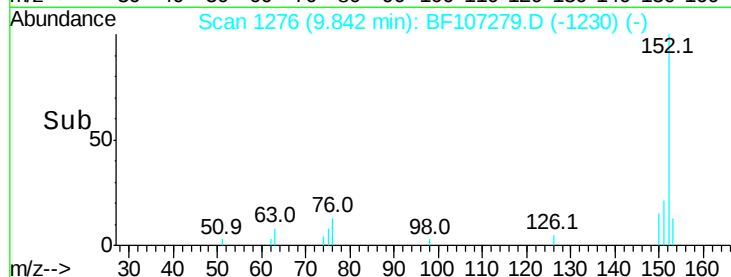
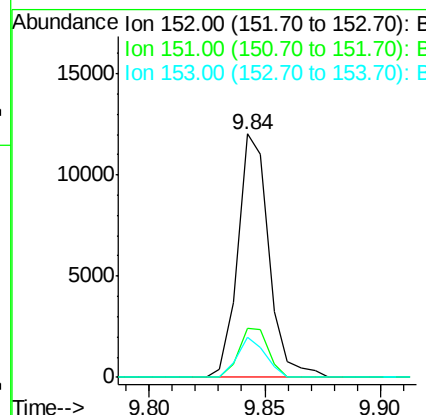
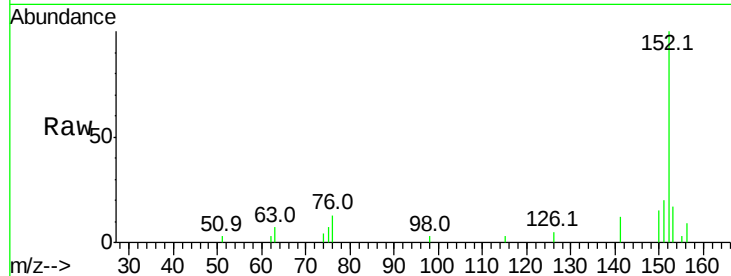
#48
Acenaphthylene
Concen: 2.185 ng
RT: 9.84 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF107279.D
Acq: 10 Jul 2018 18:09

Instrument :
BNA_F
ClientSampleId :
212-72-11940-R4-VNJ-242RE

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5
153	16.6	10.7	16.1

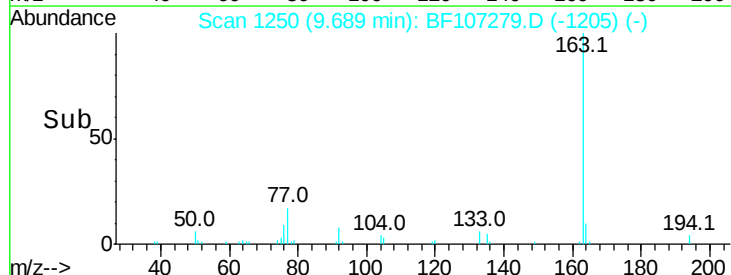
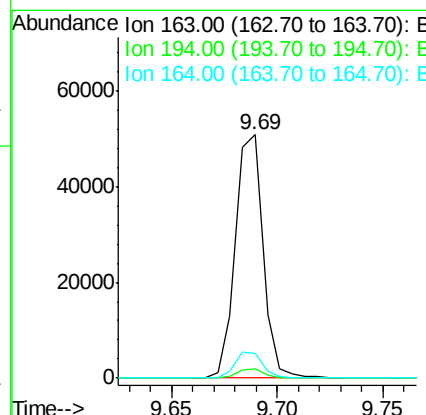
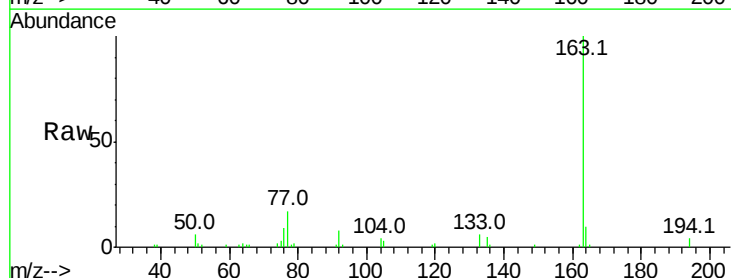
Manual Integrations
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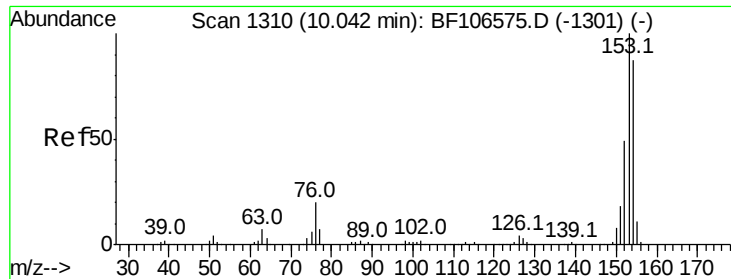
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#49
Dimethylphthalate
Concen: 11.818 ng
RT: 9.69 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF107279.D
Acq: 10 Jul 2018 18:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.4	8.2	12.2





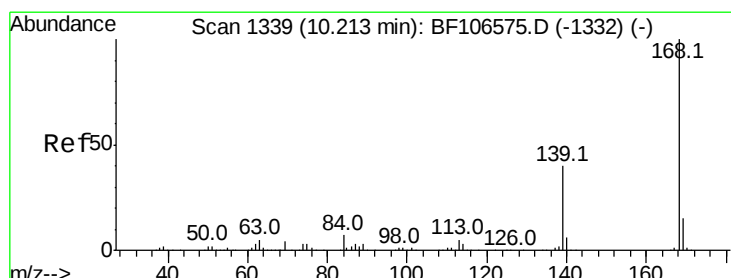
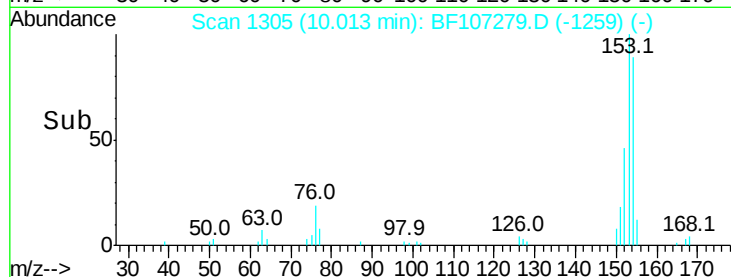
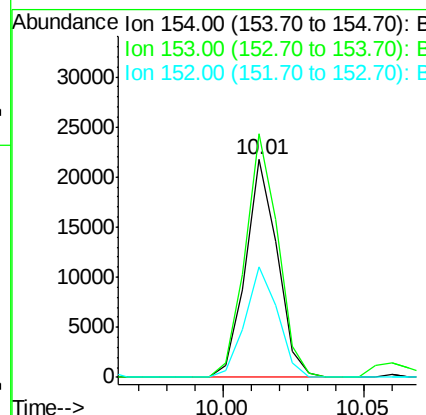
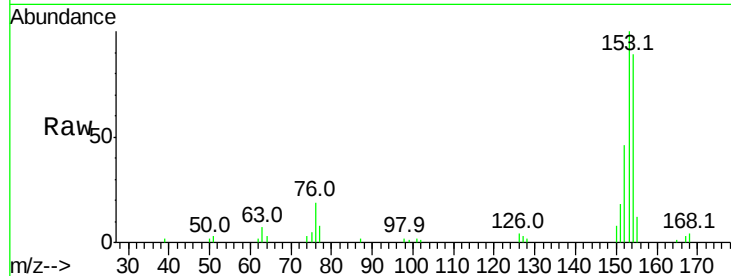
#51
Acenaphthene
Concen: 5.266 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.03 min
Lab File: BF107279.D
Acq: 10 Jul 2018 18:09

Instrument :
BNA_F
ClientSampleId :
212-72-11940-R4-VNJ-242RE

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.8	91.2	136.8
152	51.0	43.8	65.8

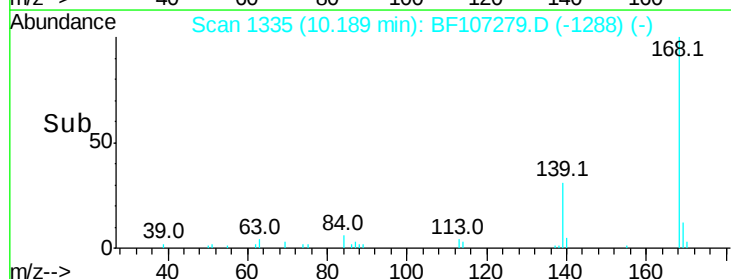
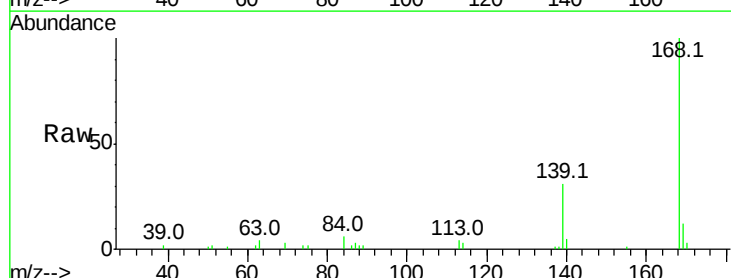
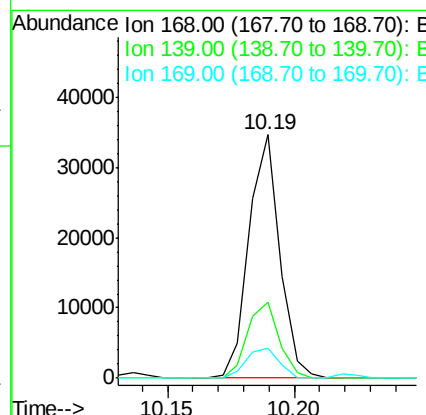
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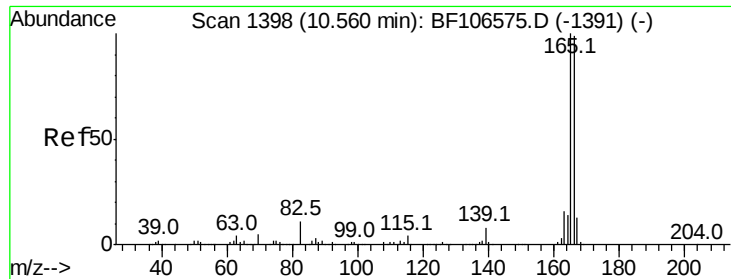
Sohil
7/11/2018 11:22:53 AM



#54
Dibenzofuran
Concen: 6.606 ng
RT: 10.19 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF107279.D
Acq: 10 Jul 2018 18:09

Tgt Ion	Ratio	Lower	Upper
168	100		
139	31.1	30.1	45.1
169	12.4	10.9	16.3





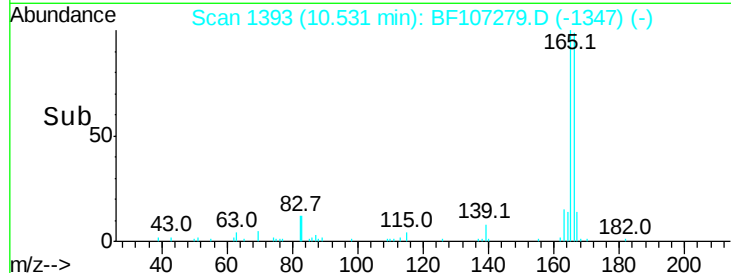
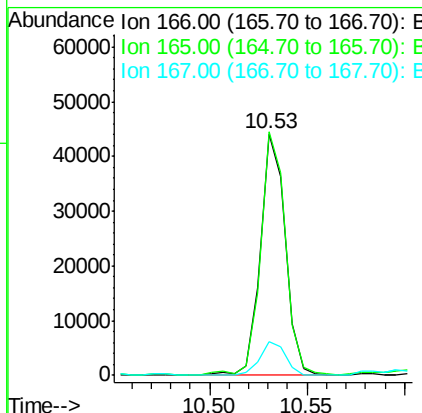
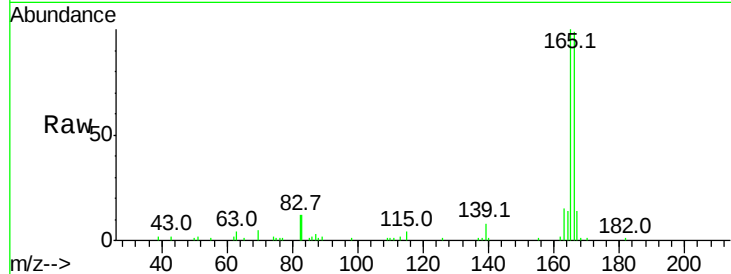
#57
Fluorene
 Concen: 11.052 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. -0.03 min
 Lab File: BF107279.D
 Acq: 10 Jul 2018 18:09

Instrument :
 BNA_F
 ClientSampleId :
 212-72-11940-R4-VNJ-242RE

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.9	79.8	119.8
167	14.0	10.6	16.0

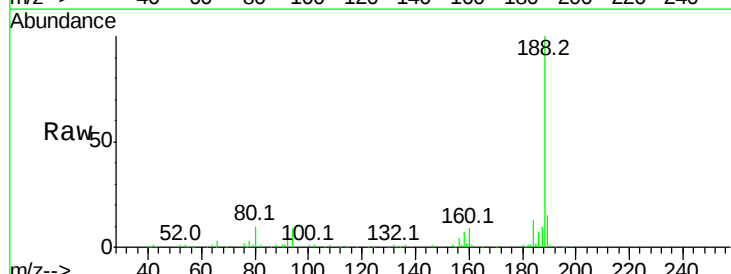
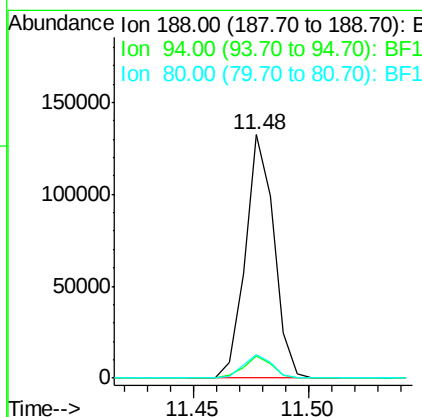
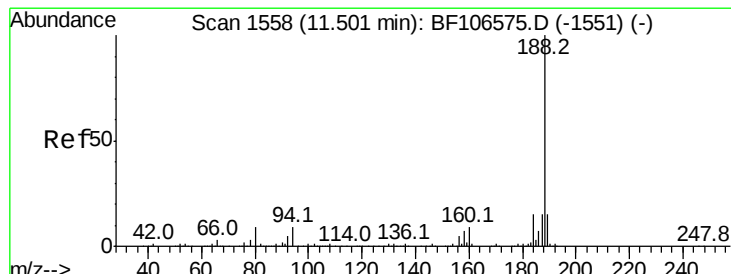
Manual Integrations
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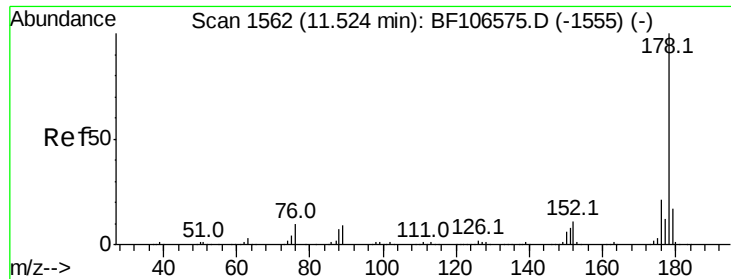
Sohil
 7/11/2018 11:22:53 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1554
 Delta R.T. -0.02 min
 Lab File: BF107279.D
 Acq: 10 Jul 2018 18:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	9.8	9.2	13.8





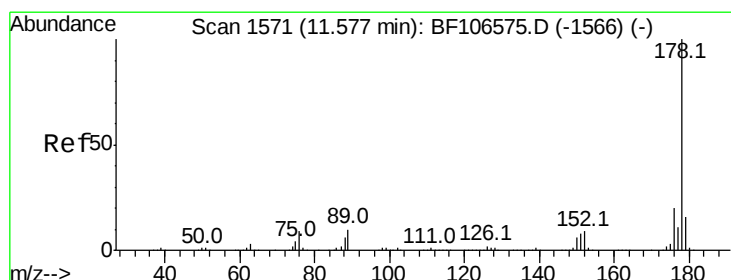
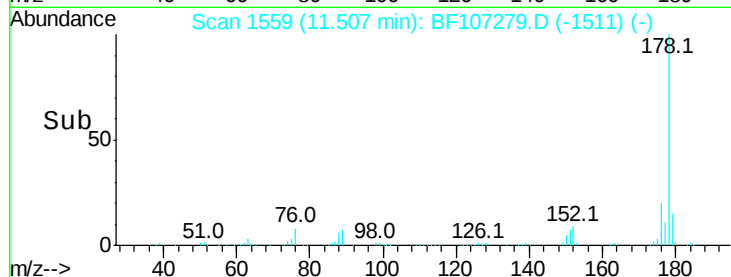
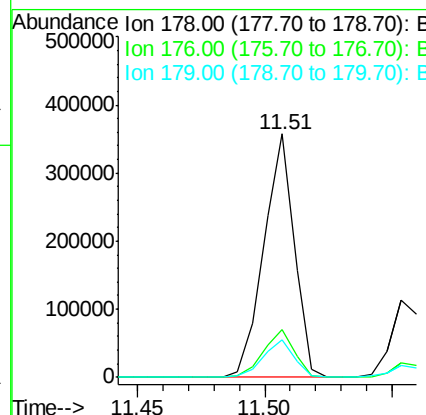
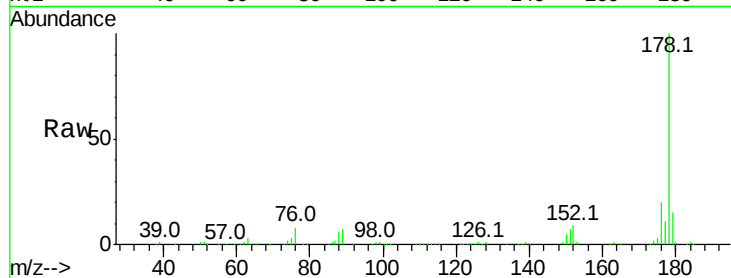
#70
Phenanthrene
Concen: 54.553 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107279.D
Acq: 10 Jul 2018 18:09

Instrument :
BNA_F
ClientSampleId :
212-72-11940-R4-VNJ-242RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.4	13.0	19.6

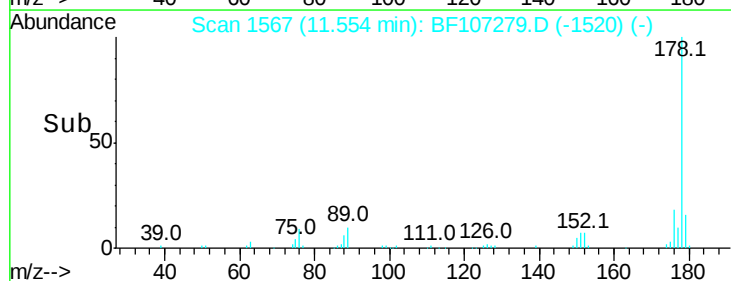
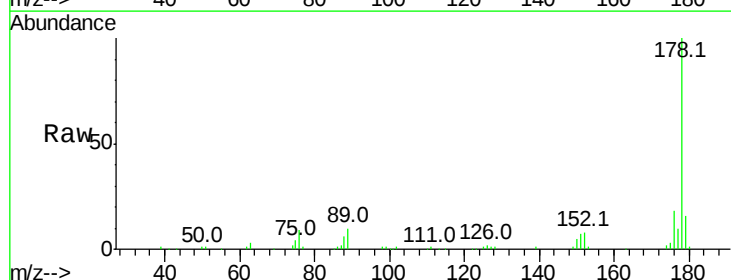
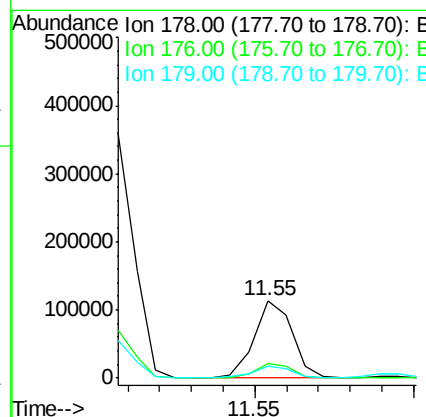
Manual Integrations
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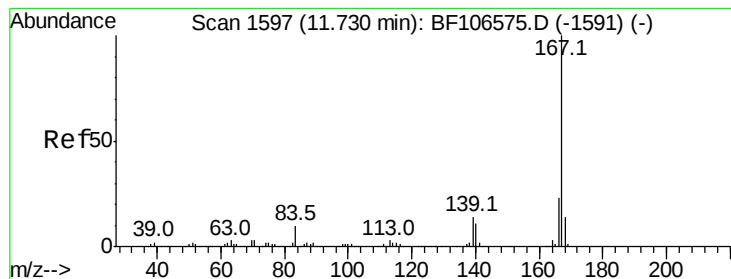
Sohil
7/11/2018 11:22:53 AM



#71
Anthracene
Concen: 16.666 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF107279.D
Acq: 10 Jul 2018 18:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.8	12.6	19.0





#72

Carbazole

Concen: 3.694 ng

RT: 11.71 min Scan# 1594

Delta R.T. -0.02 min

Lab File: BF107279.D

Acq: 10 Jul 2018 18:09

Instrument :

BNA_F

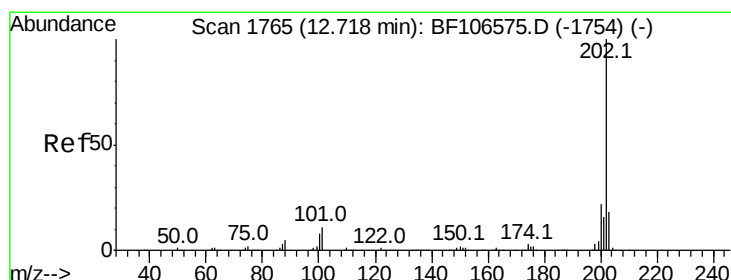
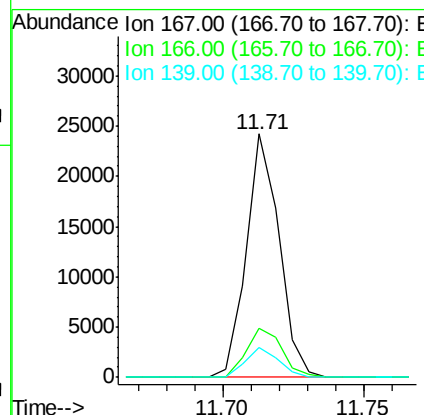
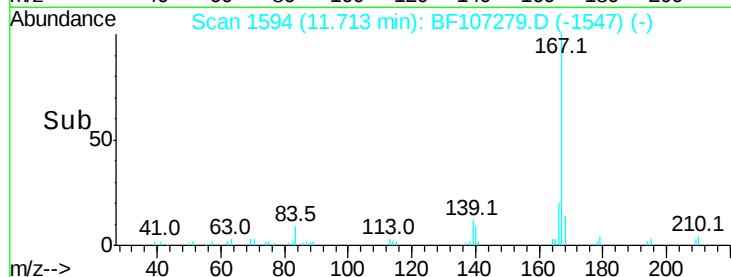
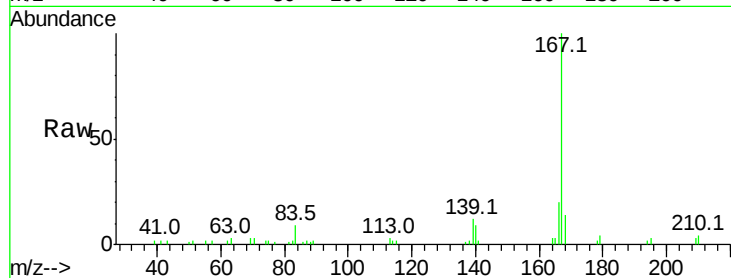
ClientSampleId :

212-72-11940-R4-VNJ-242RE

Tot Ion:	167	Resp:	19505
Ion Ratio	Lower	Upper	
167	100		
166	20.0	17.6	26.4
139	12.5	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 57.592 ng

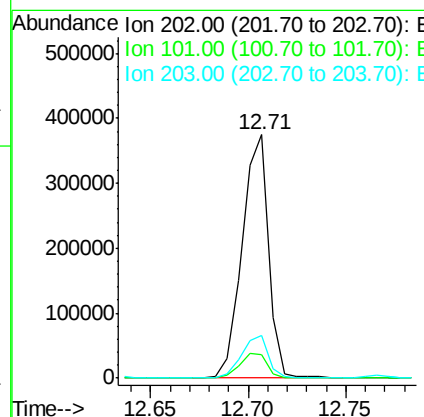
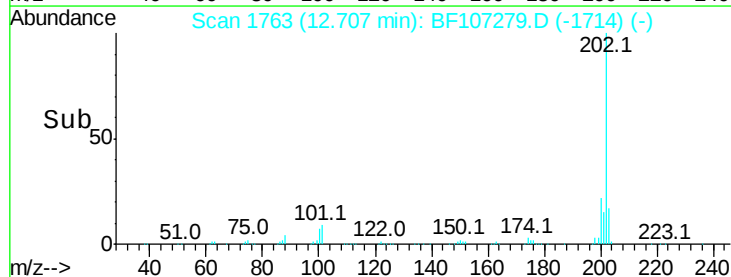
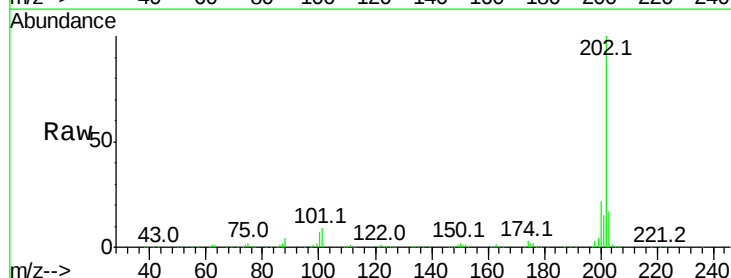
RT: 12.71 min Scan# 1763

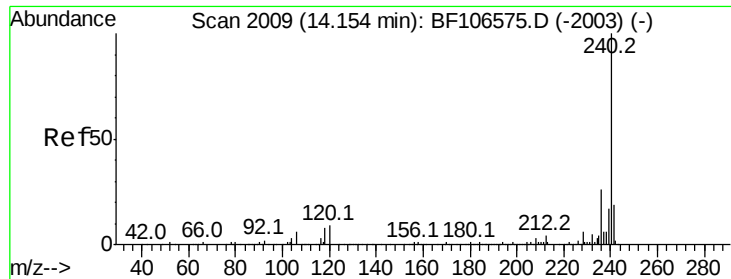
Delta R.T. -0.01 min

Lab File: BF107279.D

Acq: 10 Jul 2018 18:09

Tgt Ion:	202	Resp:	350718
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF107279.D

Acq: 10 Jul 2018 18:09

Instrument :

BNA_F

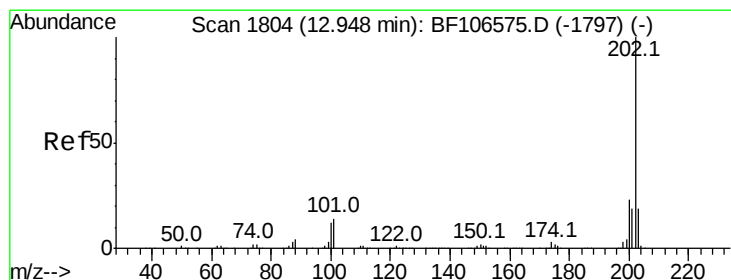
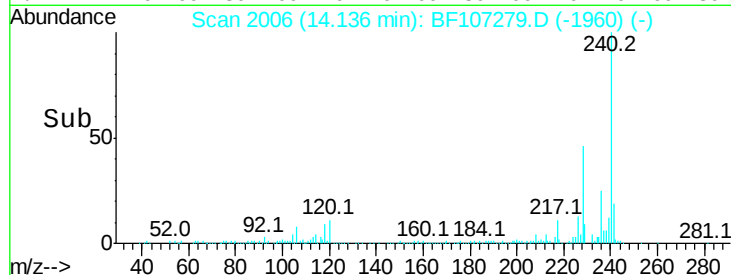
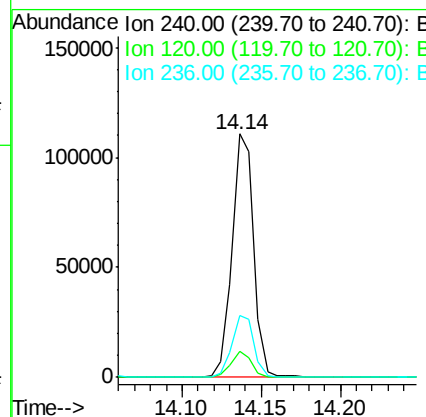
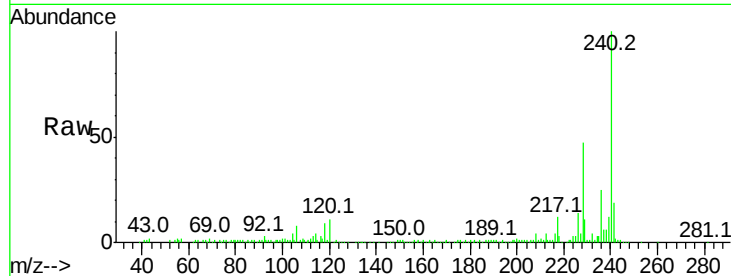
ClientSampleId :

212-72-11940-R4-VNJ-242RE

Tot Ion:	240	Resp:	104231
Ion Ratio	Lower	Upper	
240	100		
120	10.5	9.5	14.3
236	25.4	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 44.108 ng

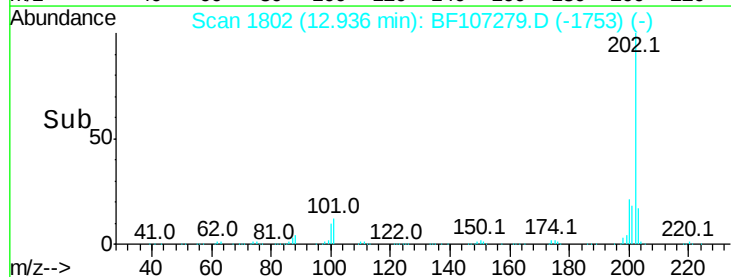
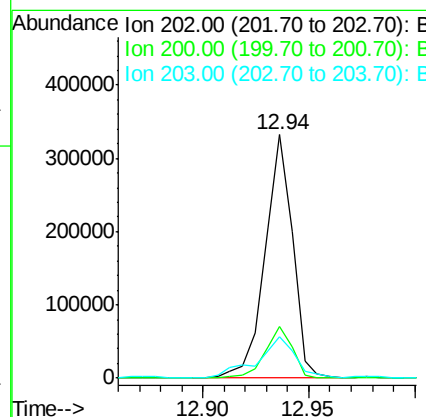
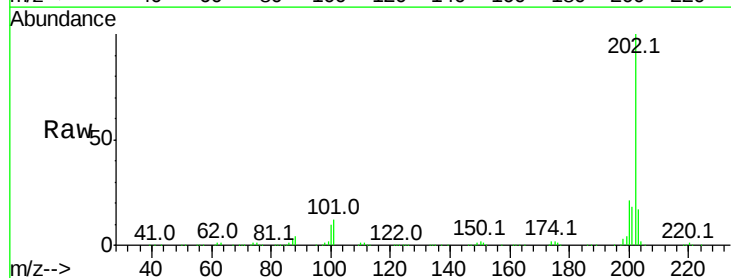
RT: 12.94 min Scan# 1802

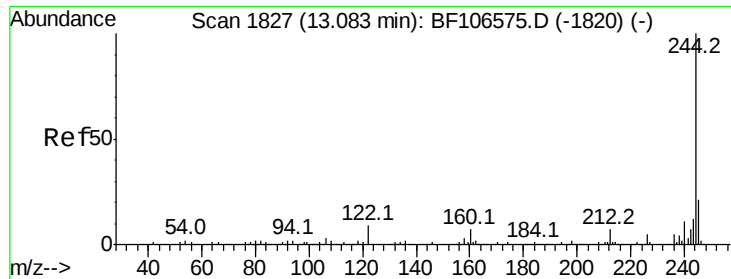
Delta R.T. -0.01 min

Lab File: BF107279.D

Acq: 10 Jul 2018 18:09

Tgt Ion:	202	Resp:	303168
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.2	14.3	21.5





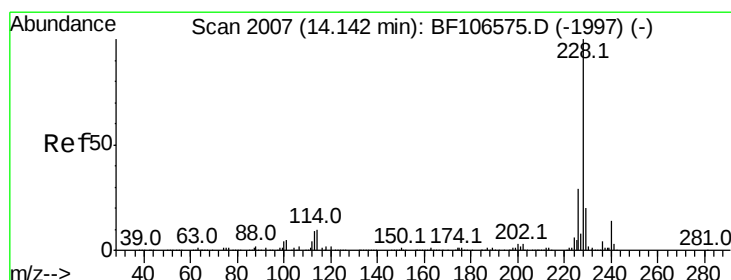
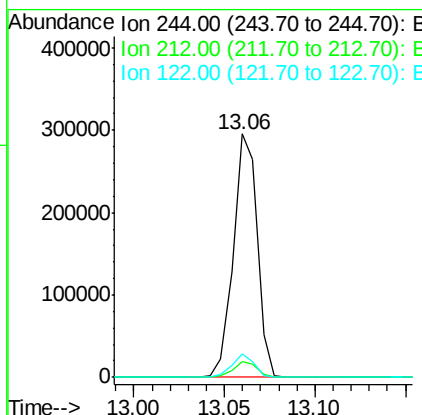
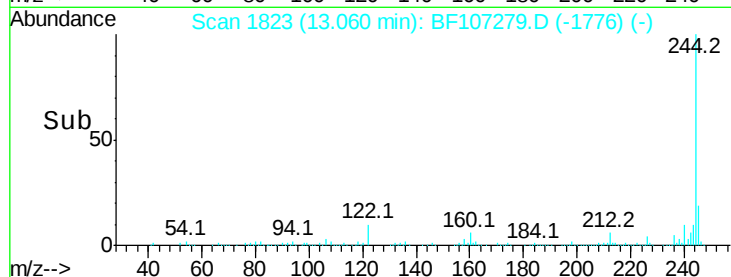
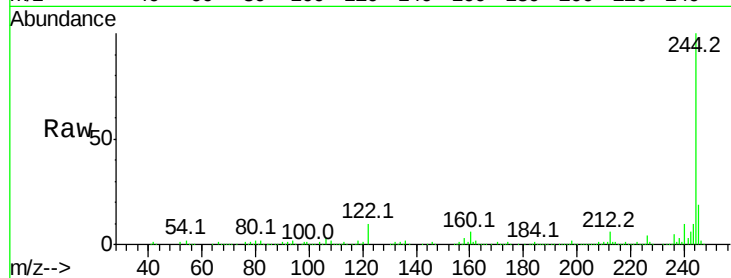
#78
 Terphenyl-d14
 Concen: 62.987 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. -0.02 min
 Lab File: BF107279.D
 Acq: 10 Jul 2018 18:09

Instrument :
 BNA_F
 ClientSampleId :
 212-72-11940-R4-VNJ-242RE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	9.7	11.0	16.4

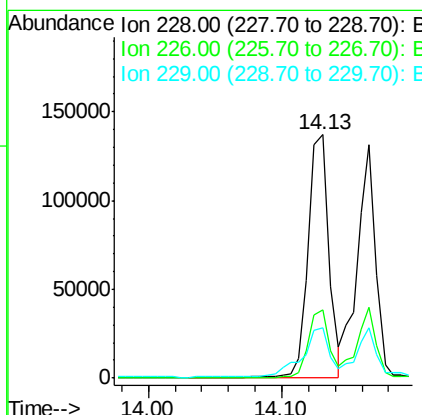
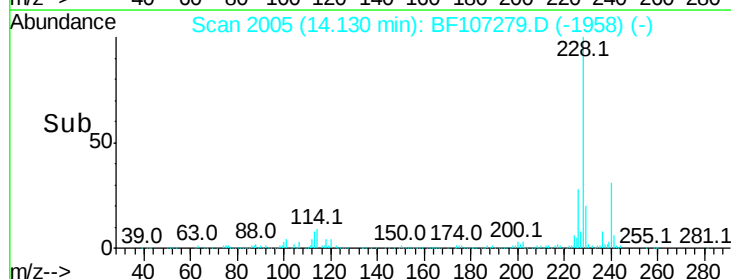
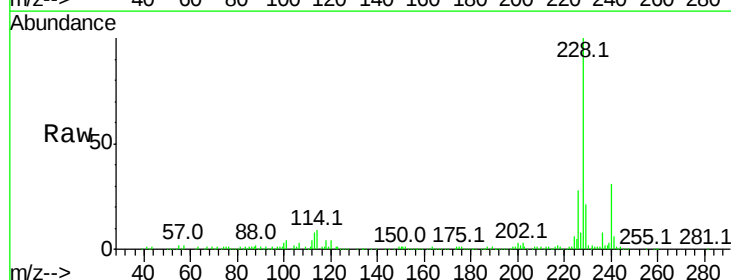
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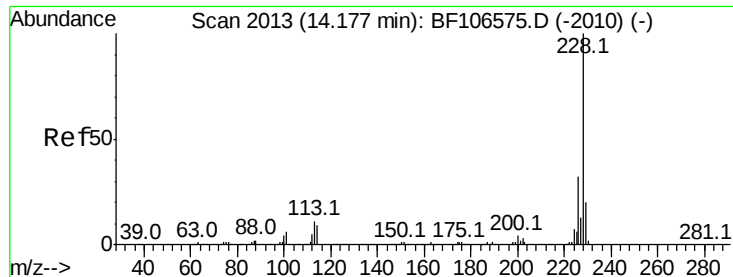
Sohil
 7/11/2018 11:22:53 AM



#80
 Benzo(a)anthracene
 Concen: 22.723 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF107279.D
 Acq: 10 Jul 2018 18:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.5	15.8	23.6





#82

Chrysene

Concen: 21.701 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107279.D

Acq: 10 Jul 2018 18:09

Instrument :

BNA_F

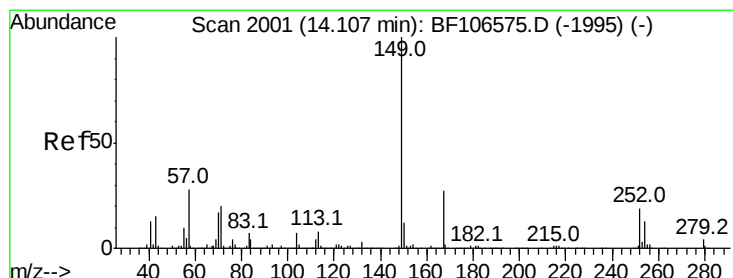
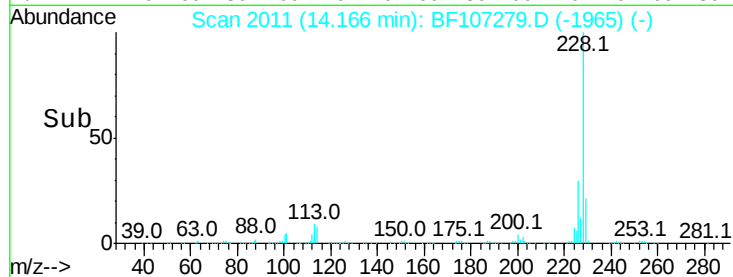
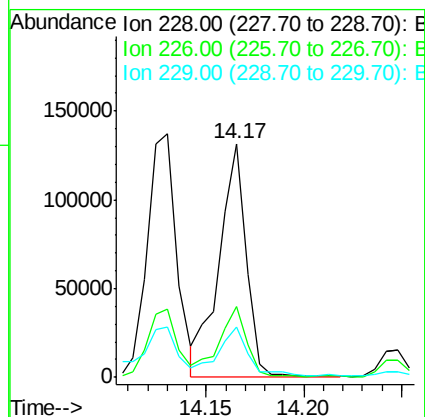
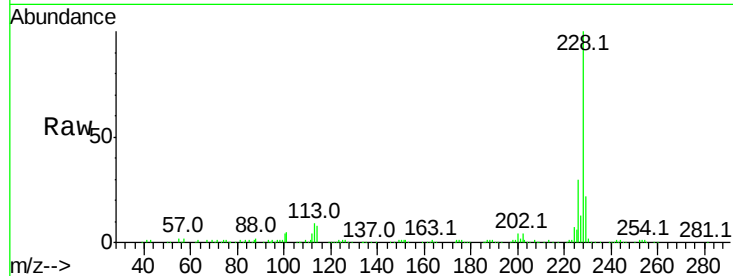
ClientSampleId :

212-72-11940-R4-VNJ-242RE

Tot Ion:	228	Resp:	126829
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	21.6	16.2	24.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.313 ng

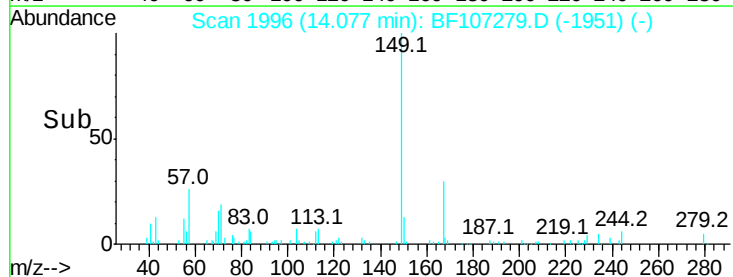
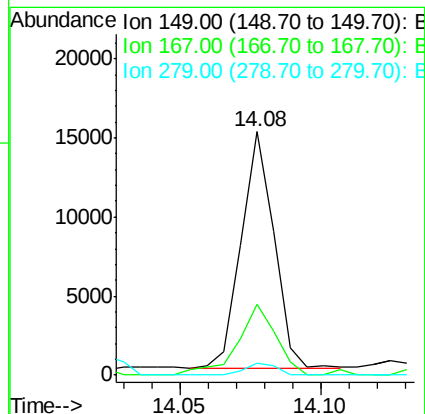
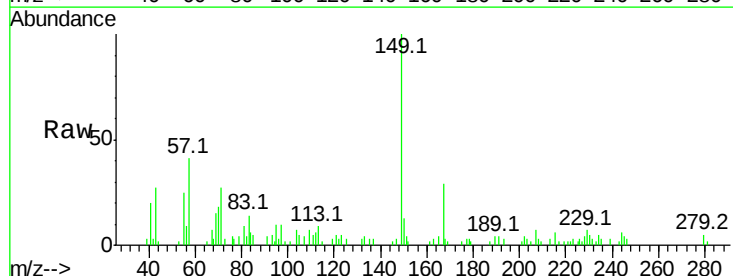
RT: 14.08 min Scan# 1996

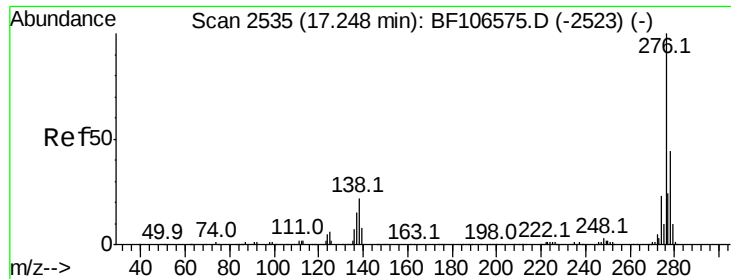
Delta R.T. -0.04 min

Lab File: BF107279.D

Acq: 10 Jul 2018 18:09

Tgt Ion:	149	Resp:	11971
Ion Ratio	Lower	Upper	
149	100		
167	29.3	21.3	31.9
279	5.1	3.0	4.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 8.889 ng/mL

RT: 17.27 min Scan# 2538

Delta R.T. -0.04 min

Lab File: BF107279.D

Acq: 10 Jul 2018 18:09

Instrument :

BNA_F

ClientSampleId :

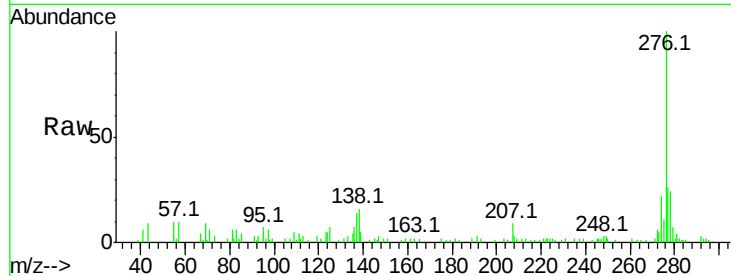
212-72-11940-R4-VNJ-242RE

Tot Ion:	276	Resp:	44086
Ion Ratio	Lower	Upper	
276	100		
138	3.6	25.0	37.6#
277	3.6	20.1	30.1#

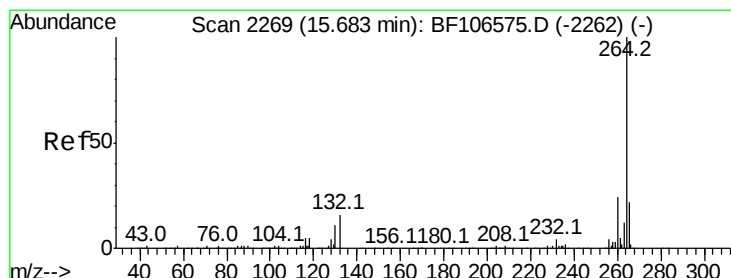
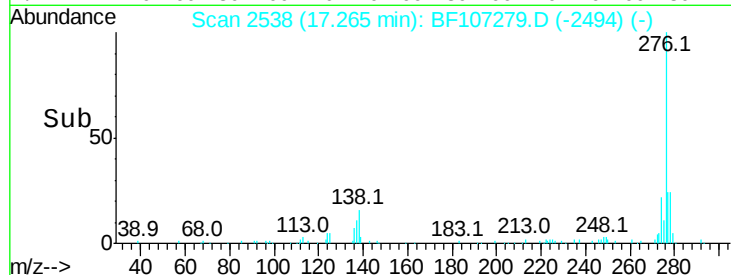
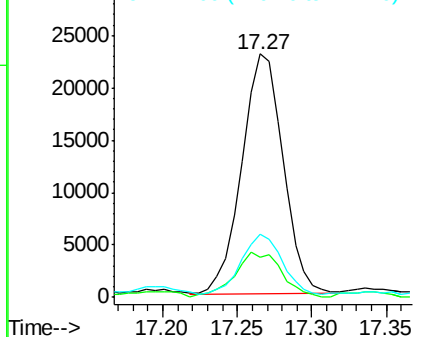
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

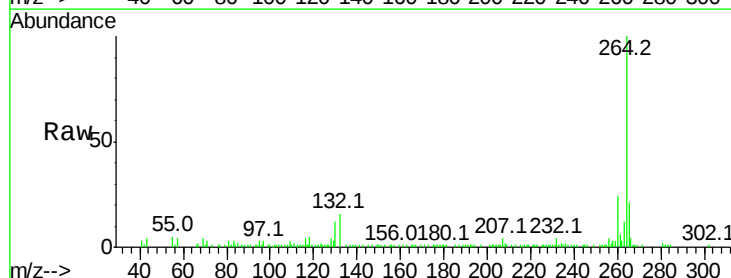
RT: 15.68 min Scan# 2268

Delta R.T. -0.04 min

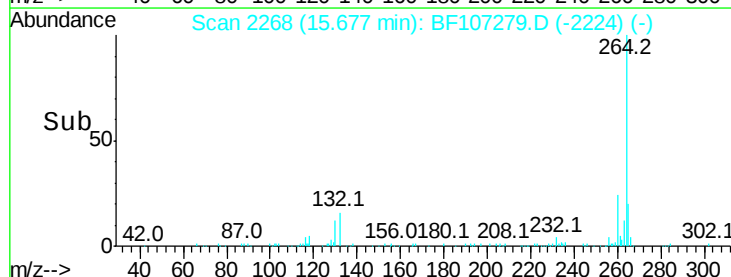
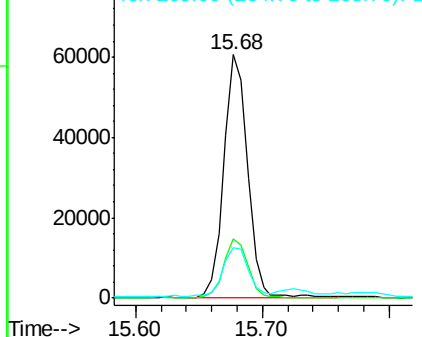
Lab File: BF107279.D

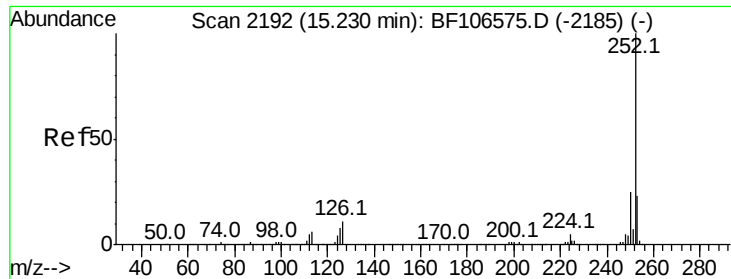
Acq: 10 Jul 2018 18:09

Tgt Ion:	264	Resp:	79343
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	20.9	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





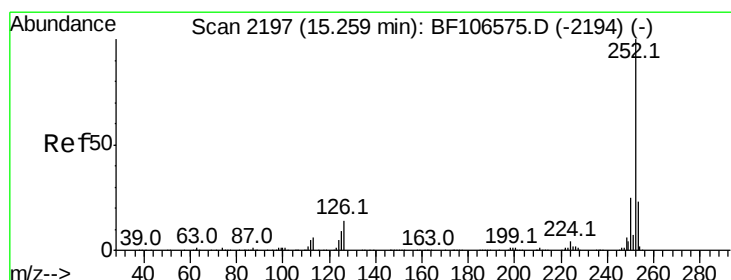
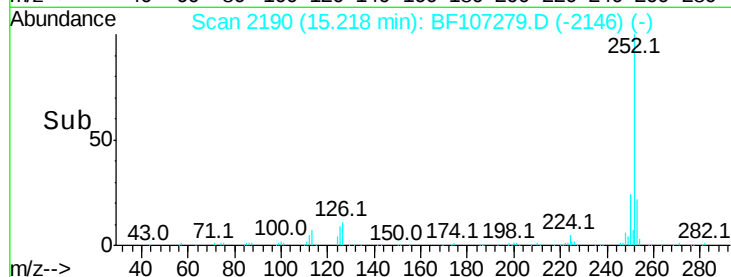
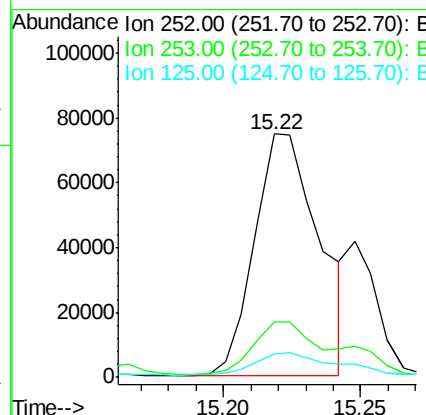
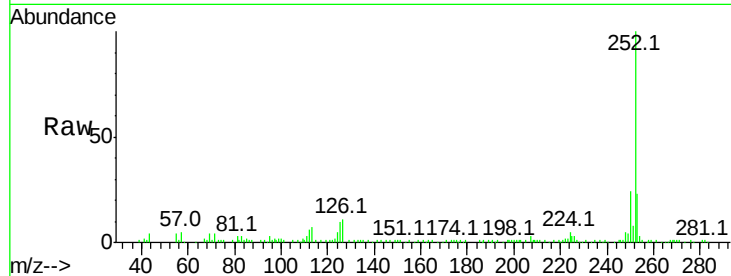
#87
Benzo(b)fluoranthene
Concen: 24.957 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF107279.D
Acq: 10 Jul 2018 18:09

Instrument :
BNA_F
ClientSampleId :
212-72-11940-R4-VNJ-242RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	9.6	9.0	13.6

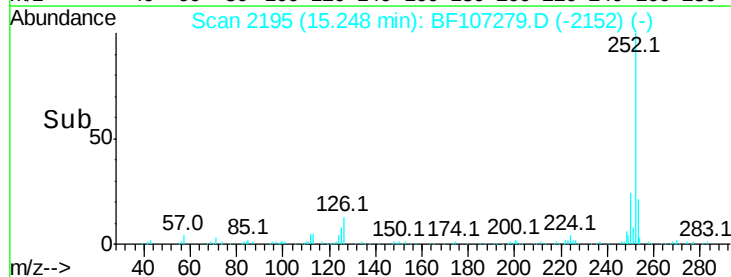
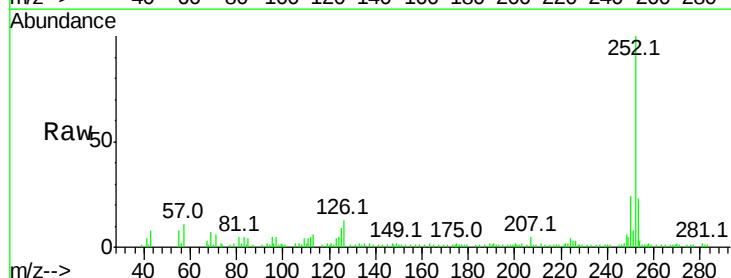
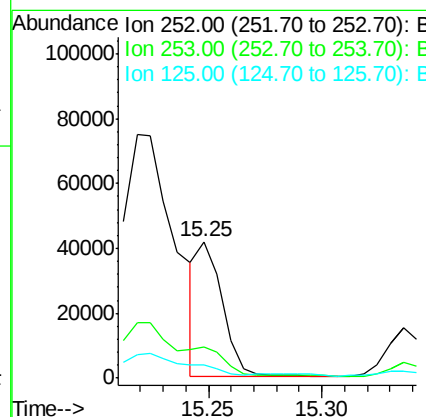
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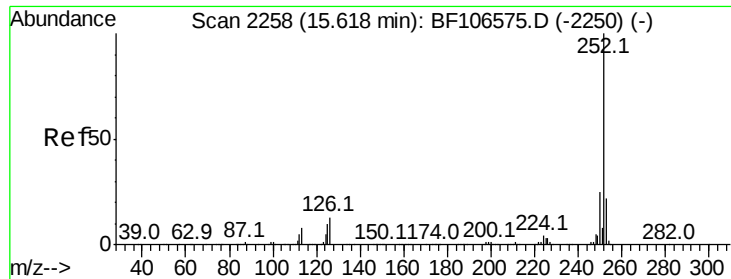
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#88
Benzo(k)fluoranthene
Concen: 6.756 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF107279.D
Acq: 10 Jul 2018 18:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	9.3	10.2	15.2#





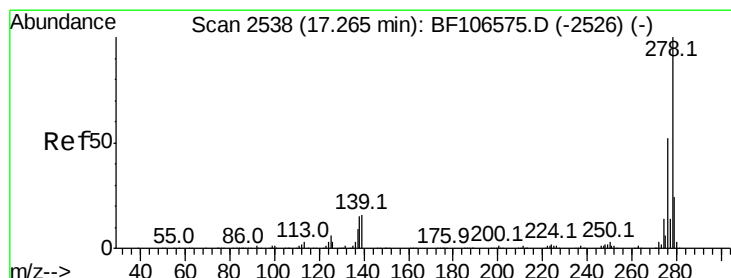
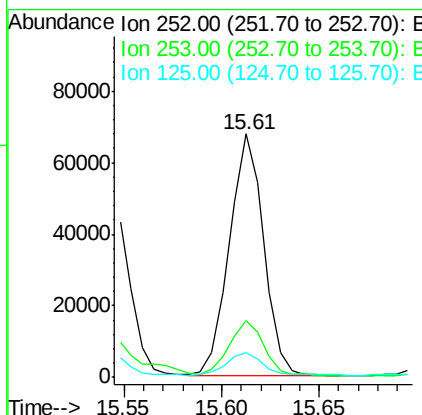
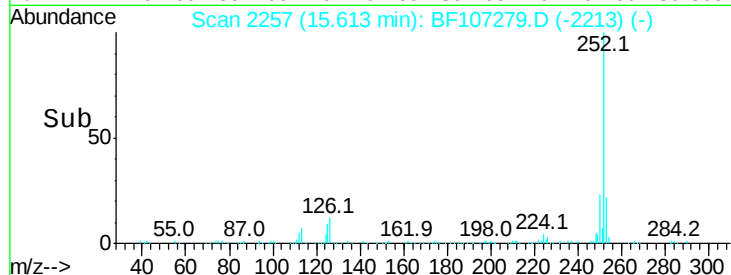
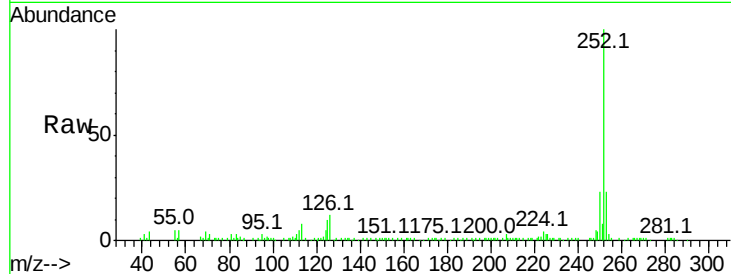
#89
Benzo(a)pyrene
Concen: 18.886 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF107279.D
Acq: 10 Jul 2018 18:09

Instrument :
BNA_F
ClientSampleId :
212-72-11940-R4-VNJ-242RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	10.2	9.8	14.6

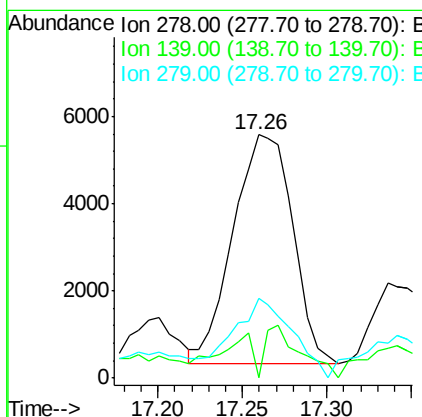
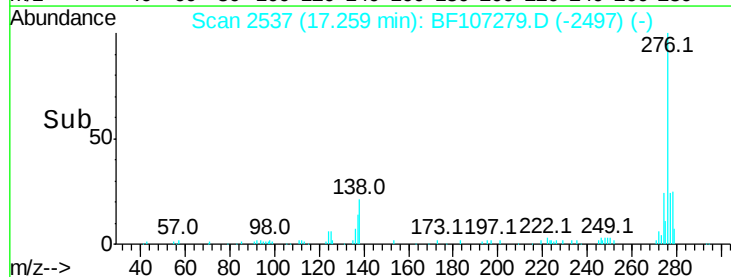
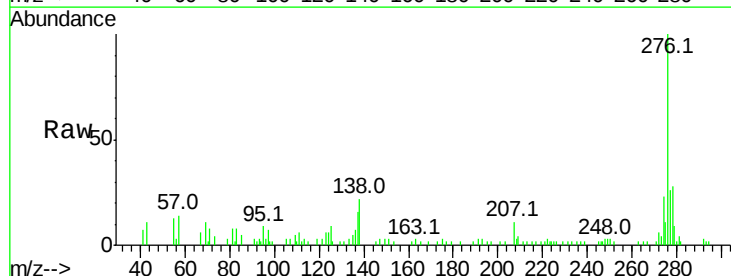
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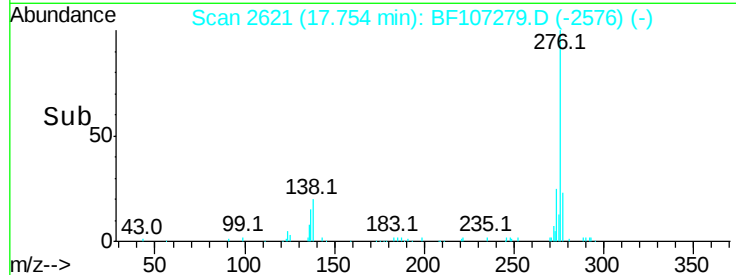
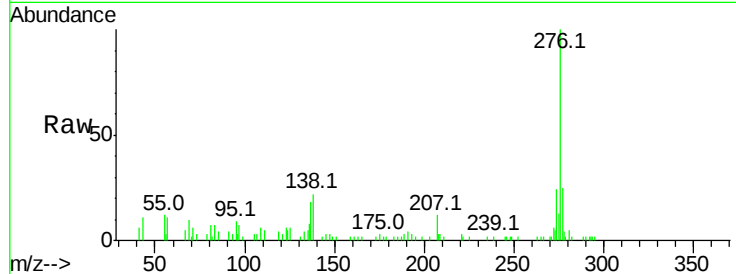
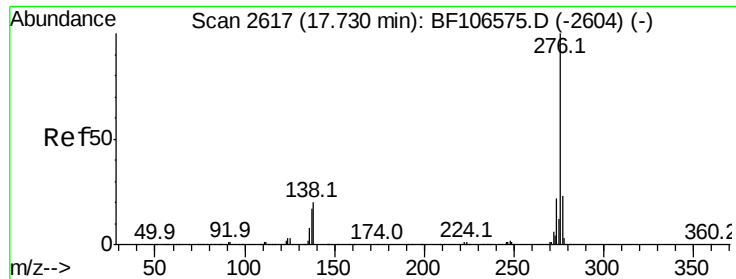
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#90
Dibenzo(a,h)anthracene
Concen: 3.451 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.06 min
Lab File: BF107279.D
Acq: 10 Jul 2018 18:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	33.0	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 11.809 ng
 RT: 17.75 min Scan# 2621
 Delta R.T. -0.04 min
 Lab File: BF107279.D
 Acq: 10 Jul 2018 18:09

Instrument :
 BNA_F
 ClientSampleId :
 212-72-11940-R4-VNJ-242RE

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	21.8	21.8	32.8

Manual Integrations
 APPROVED

Sohil
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