

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
 Data File : BF107271.D
 Acq On : 10 Jul 2018 14:35
 Operator : JU/SJ
 Sample : J3891-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 7/11/2018 11:22:38 AM

Quant Time: Jul 11 08:21:42 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	32081	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	110135	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	49981	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	106290	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	104557	20.00	ng	-0.02
86) Perylene-d12	15.68	264	77026	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	192774	101.75	ng	-0.02
7) Phenol-d6	6.59	99	228460	96.56	ng	-0.02
23) Nitrobenzene-d5	7.51	82	134379	67.81	ng	-0.03
41) 2,4,6-Tribromophenol	10.78	330	61058	105.40	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	203342	65.47	ng	-0.03
78) Terphenyl-d14	13.07	244	260217	60.29	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.24	128	19863	3.858	ng	98
37) 2-Methylnaphthalene	8.94	142	11791	3.455	ng	91
48) Acenaphthylene	9.85	152	11304	2.284	ng	97
49) Dimethylphthalate	9.69	163	44084	11.760	ng	99
51) Acenaphthene	10.02	154	16454	5.279	ng	95
54) Dibenzofuran	10.19	168	27597	6.465	ng	95
57) Fluorene	10.54	166	37313	11.016	ng	99
70) Phenanthrene	11.51	178	288948	56.363	ng	99
71) Anthracene	11.56	178	91665	17.518	ng	98
72) Carbazole	11.72	167	18704	3.818	ng	98
74) Fluoranthene	12.71	202	342551	60.623	ng	95
77) Pvrene	12.94	202	293616	42.585	ng	99
80) Benzo(a)anthracene	14.13	228	145826	22.884	ng	98
82) Chrysene	14.17	228	119975	20.464	ng	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	11483	3.168	ng	# 92
85) Indeno(1,2,3-cd)pyrene	17.27	276	42794m	8.602	ng	
87) Benzo(b)fluoranthene	15.22	252	117896m	24.640	ng	
88) Benzo(k)fluoranthene	15.25	252	37586m	8.249	ng	
89) Benzo(a)pvrene	15.62	252	79430	18.674	ng	95
90) Dibenzo(a,h)anthracene	17.27	278	12570	3.487	ng	# 89
91) Benzo(q,h,i)perylene	17.76	276	43411	12.321	ng	# 88

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

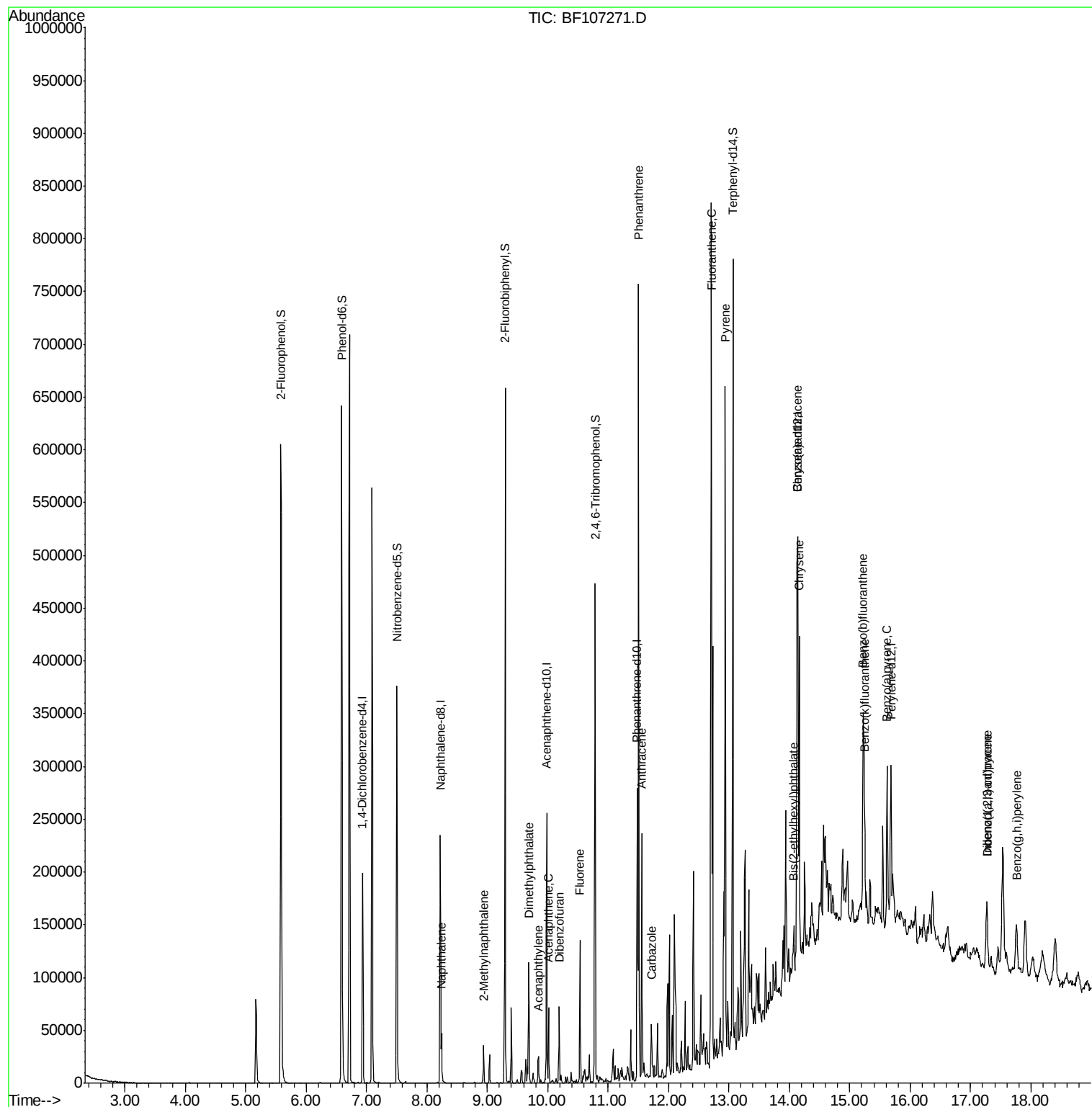
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
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#1

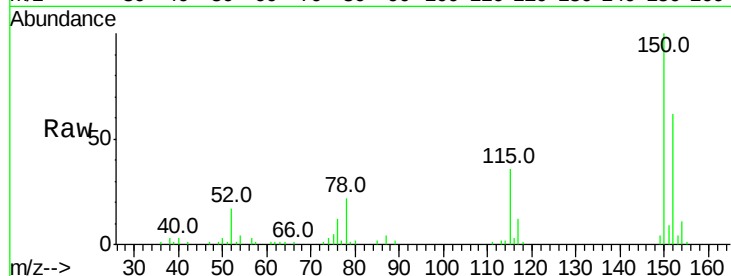
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107271.D
Acq: 10 Jul 2018 14:35

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

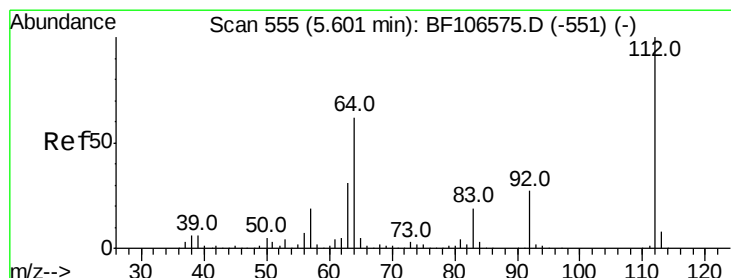
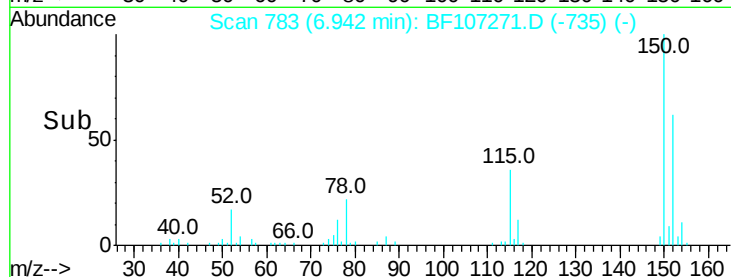
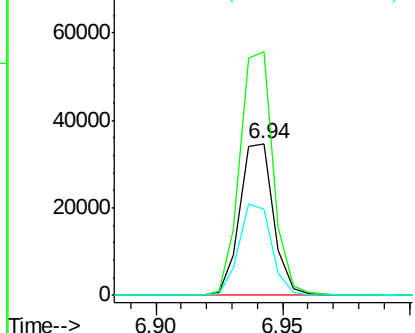
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	124.6	186.8
115	57.1	50.1	75.1

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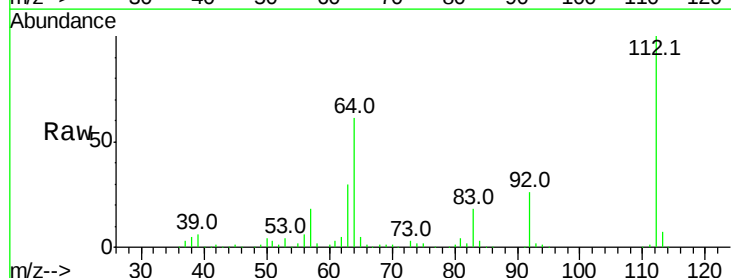
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



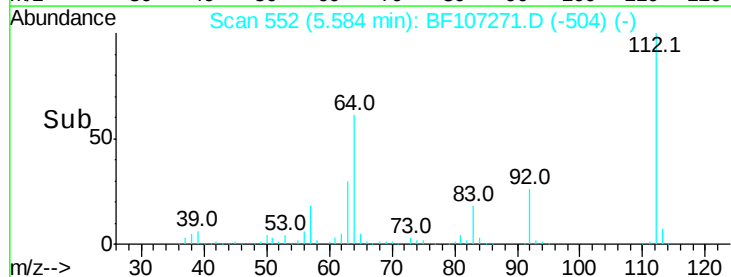
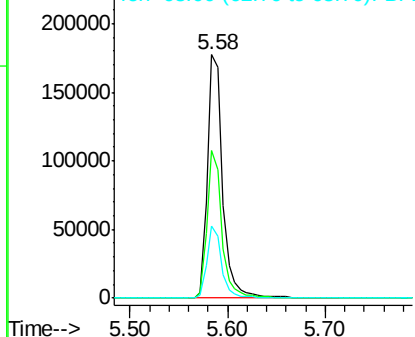
#5

2-Fluorophenol
Concen: 101.751 ng
RT: 5.58 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF107271.D
Acq: 10 Jul 2018 14:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	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: 96.562 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107271.D

Acq: 10 Jul 2018 14:35

Instrument :

BNA_F

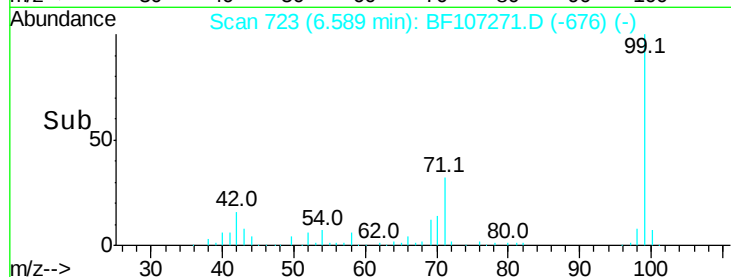
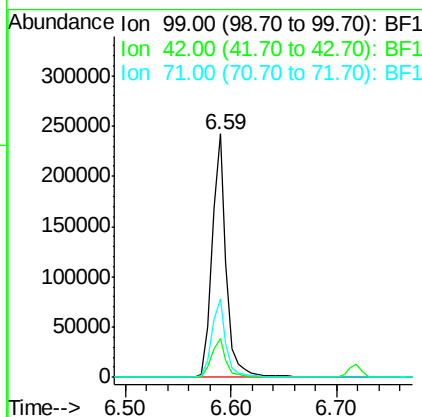
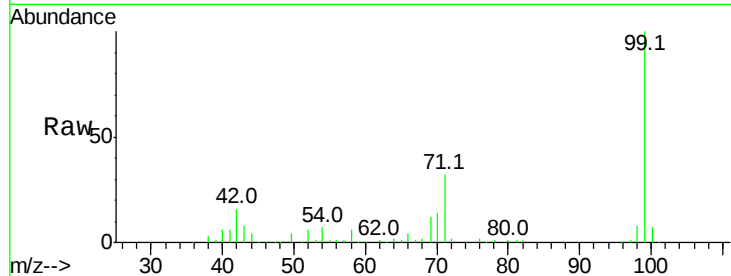
ClientSampleId :

212-72-11940-R4-VNJ-242

Tot Ion:	99	Resp:	228460
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.5	21.7
71	32.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

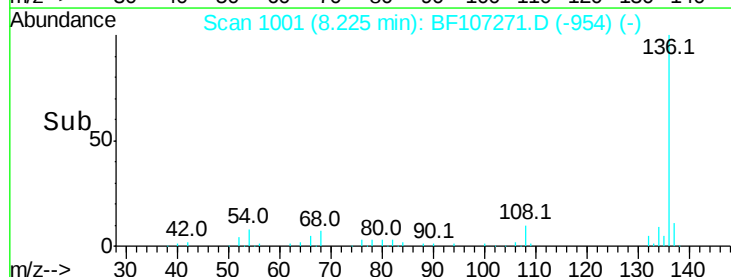
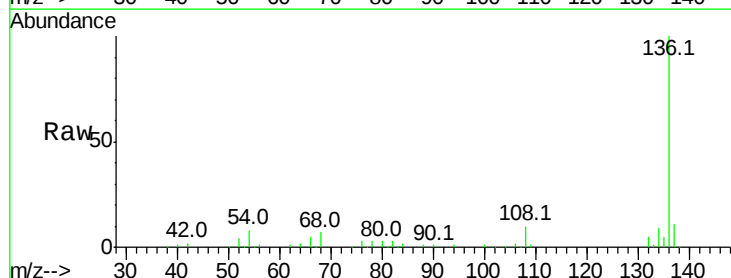
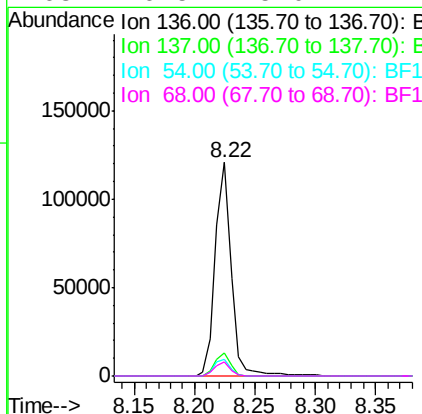
RT: 8.22 min Scan# 1001

Delta R.T. -0.02 min

Lab File: BF107271.D

Acq: 10 Jul 2018 14:35

Tgt Ion:	136	Resp:	110135
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	8.0	6.6	9.8
68	6.5	5.0	7.4





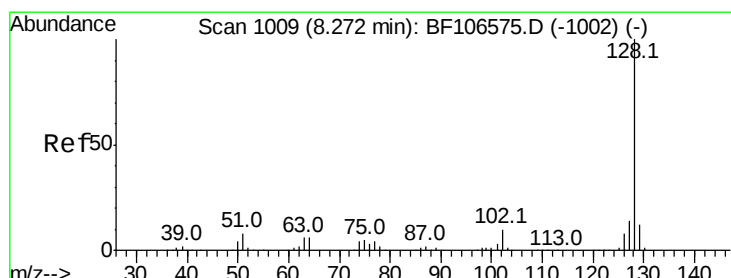
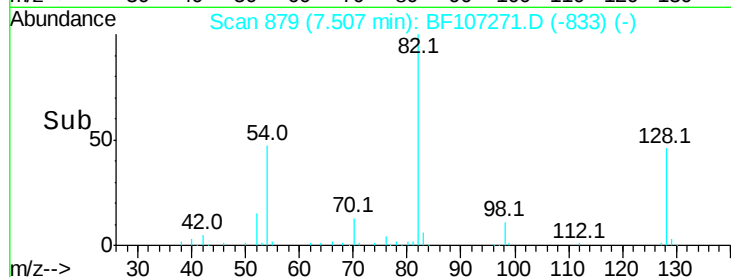
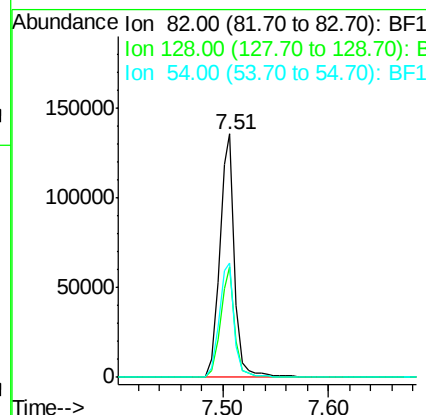
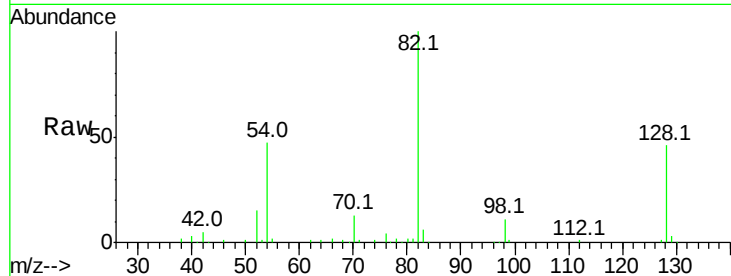
#23
 Nitrobenzene-d5
 Concen: 67.807 ng
 RT: 7.51 min Scan# 879
 Delta R.T. -0.03 min
 Lab File: BF107271.D
 Acq: 10 Jul 2018 14:35

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	47.0	41.4	62.2

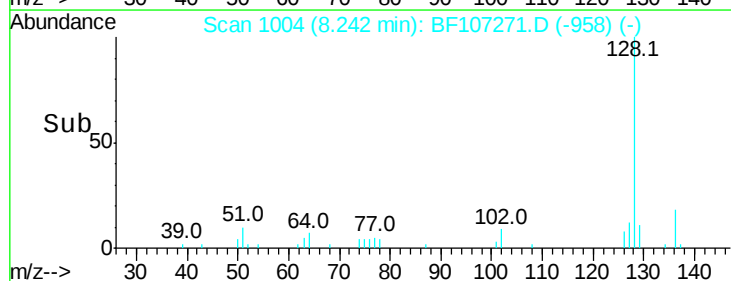
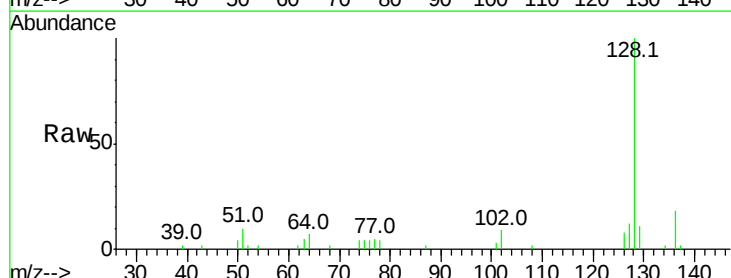
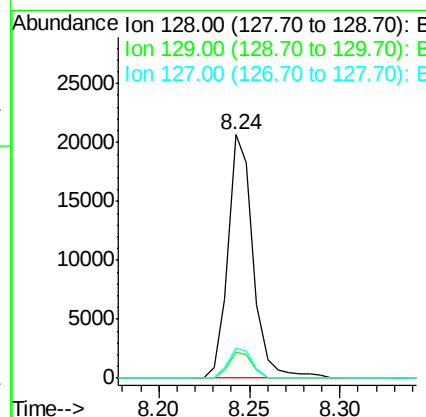
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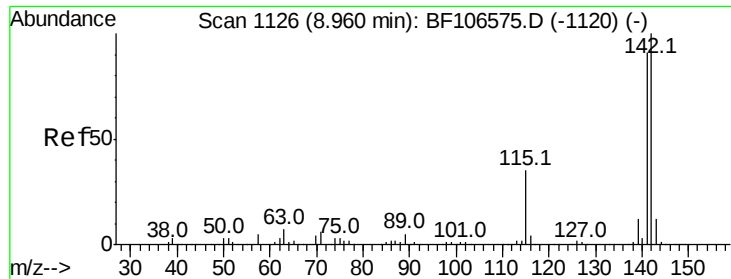
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#31
 Naphthalene
 Concen: 3.858 ng
 RT: 8.24 min Scan# 1004
 Delta R.T. -0.03 min
 Lab File: BF107271.D
 Acq: 10 Jul 2018 14:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.0	10.9	16.3





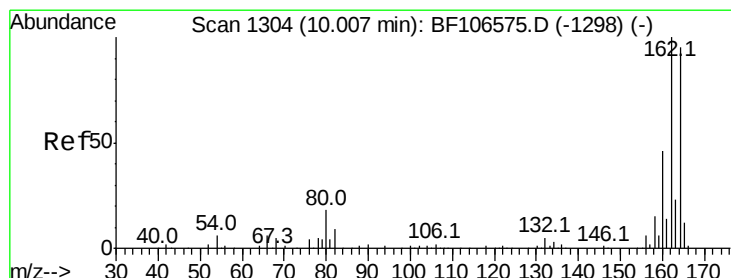
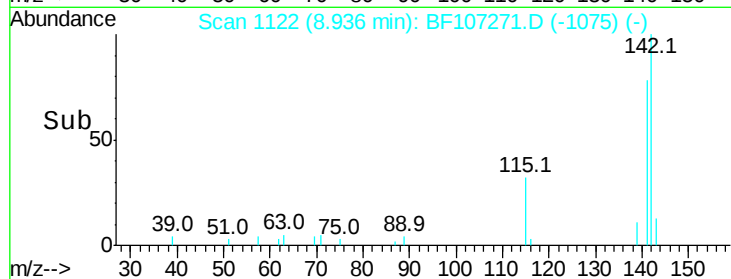
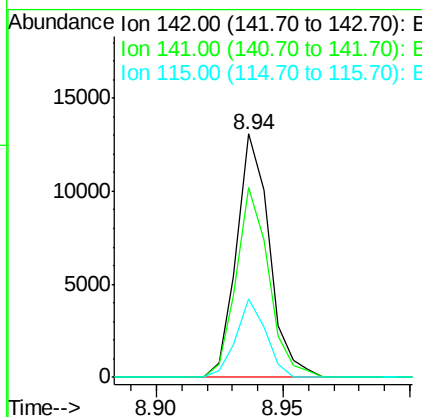
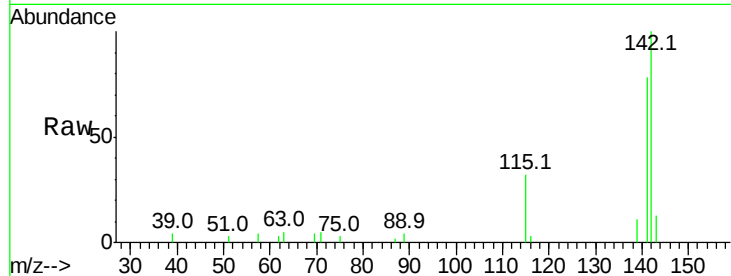
#37
2-Methylnaphthalene
Concen: 3.455 ng
RT: 8.94 min Scan# 1122
Delta R.T. -0.02 min
Lab File: BF107271.D
Acq: 10 Jul 2018 14:35

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	77.7	70.8	106.2
115	32.1	26.1	39.1

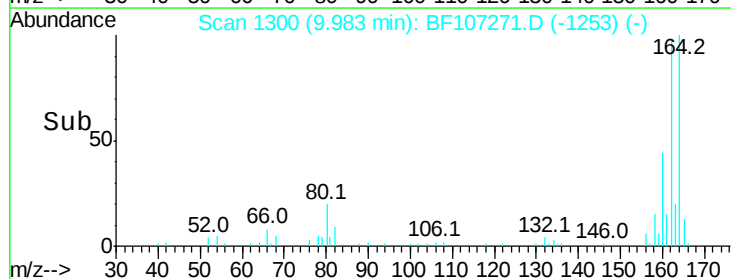
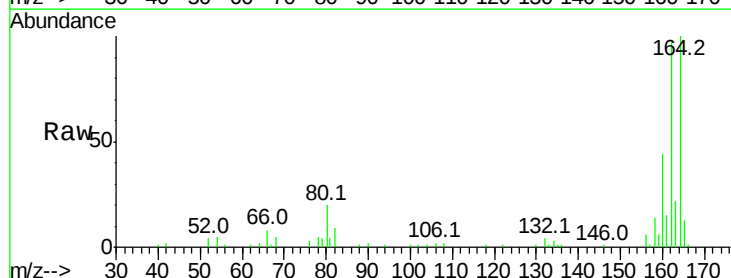
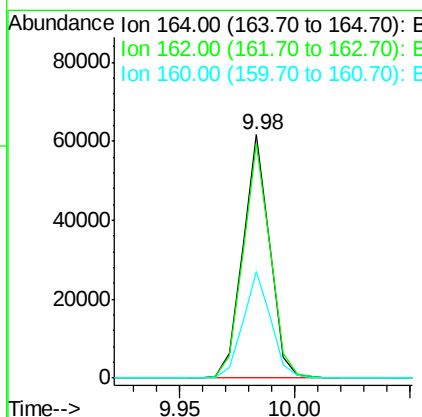
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF107271.D
Acq: 10 Jul 2018 14:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.6	86.1	129.1
160	43.9	38.3	57.5





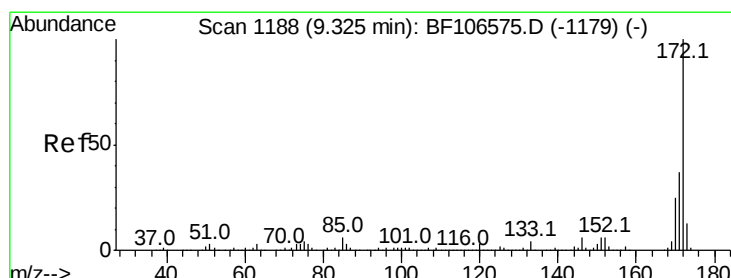
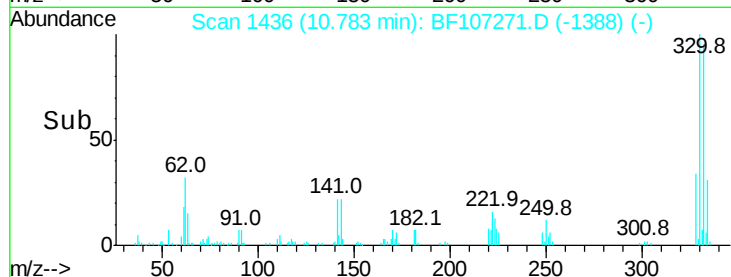
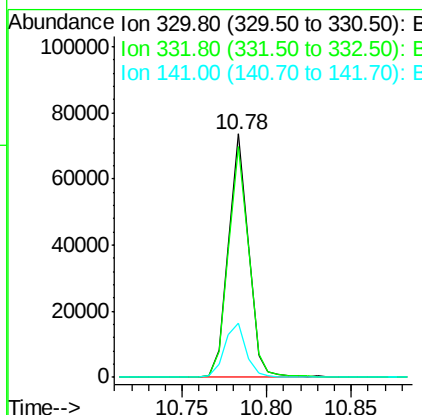
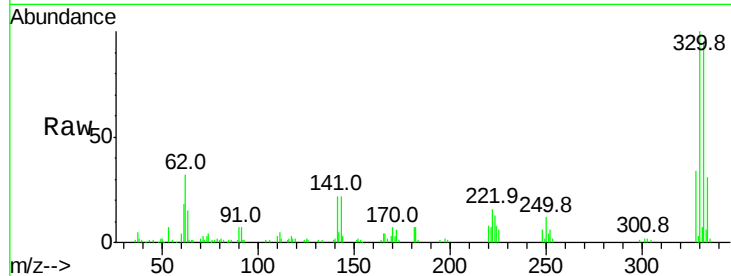
#41
 2,4,6-Tribromophenol
 Concen: 105.401 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107271.D
 Acq: 10 Jul 2018 14:35

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	23.5	29.9	44.9#

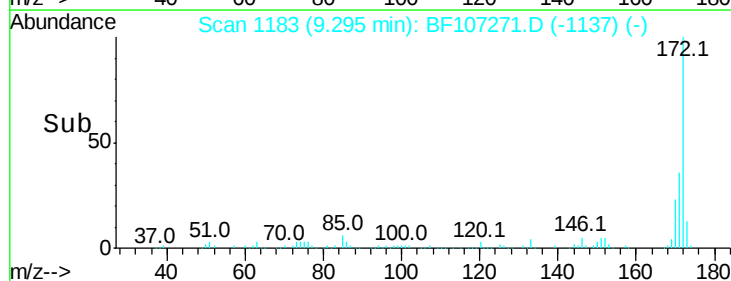
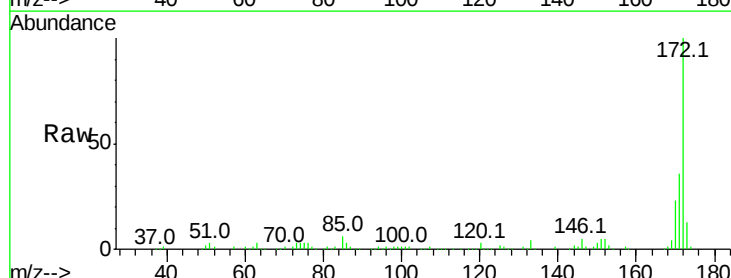
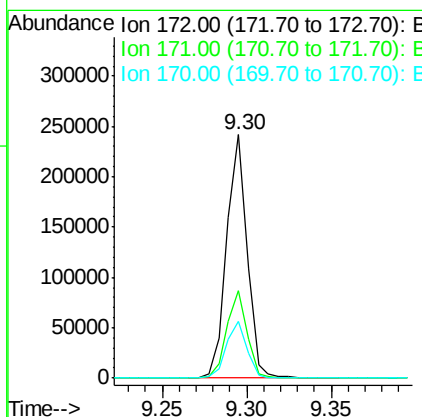
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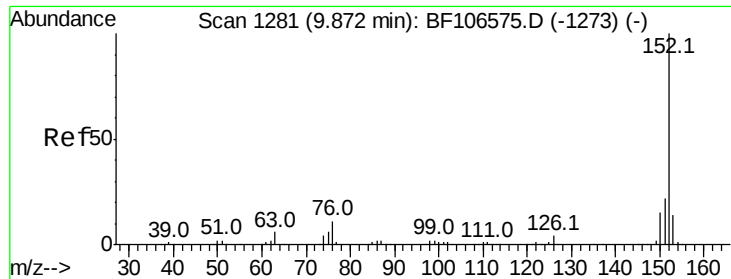
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#44
 2-Fluorobiphenyl
 Concen: 65.474 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: BF107271.D
 Acq: 10 Jul 2018 14:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.4	19.6	29.4





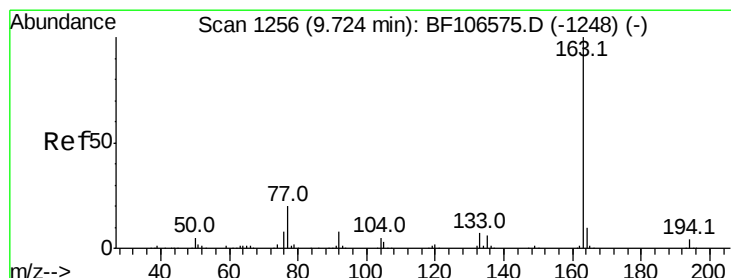
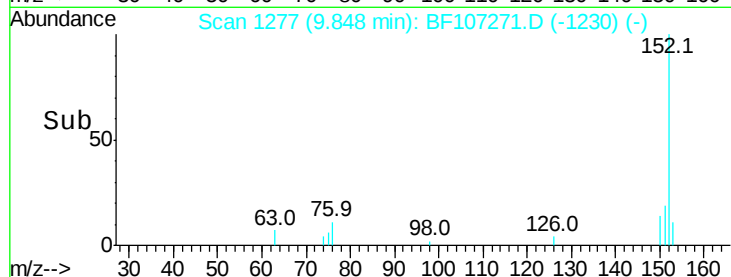
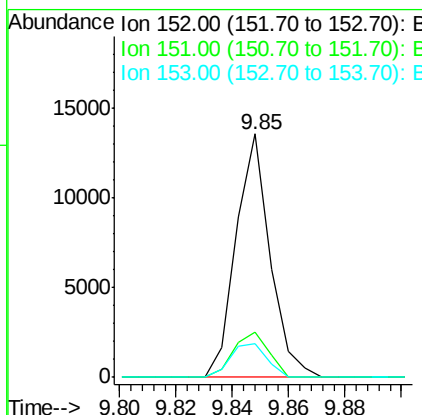
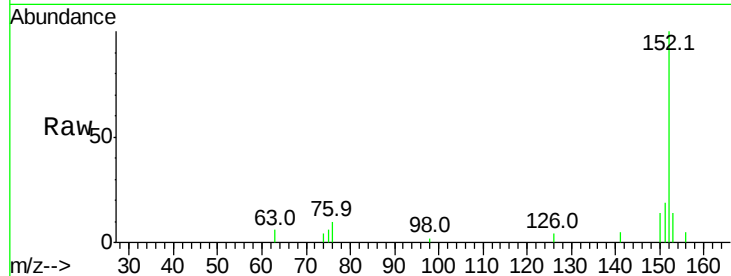
#48
Acenaphthylene
Concen: 2.284 ng
RT: 9.85 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF107271.D
Acq: 10 Jul 2018 14:35

Instrument :
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Tot Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.3	24.5
153	14.0	10.7	16.1

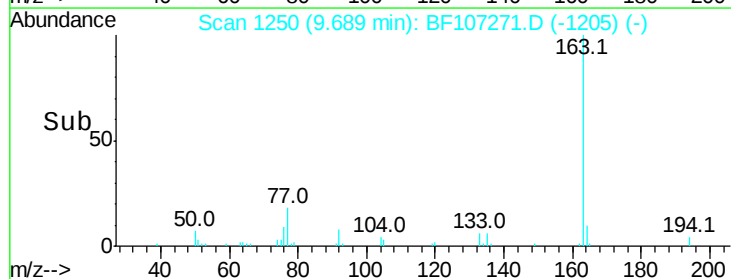
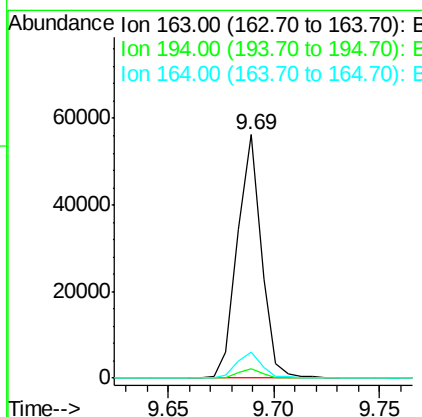
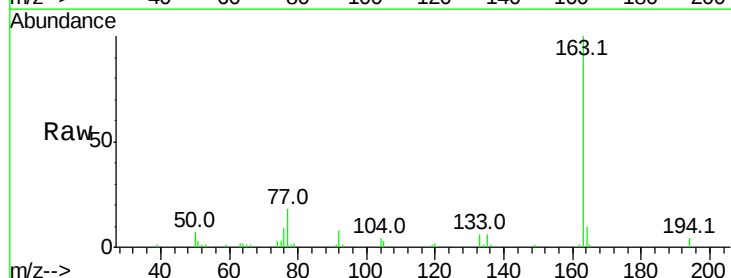
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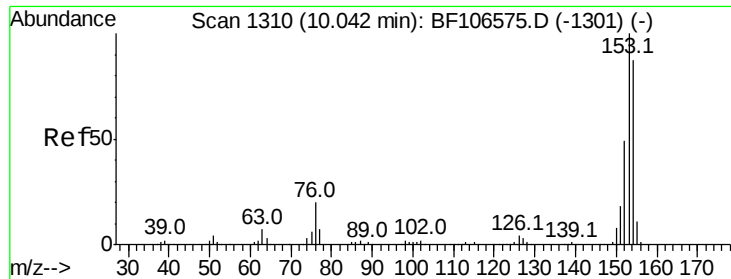
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#49
Dimethylphthalate
Concen: 11.760 ng
RT: 9.69 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF107271.D
Acq: 10 Jul 2018 14:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	10.5	8.2	12.2





#51

Acenaphthene

Concen: 5.279 ng

RT: 10.02 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF107271.D

Acq: 10 Jul 2018 14:35

Instrument :

BNA_F

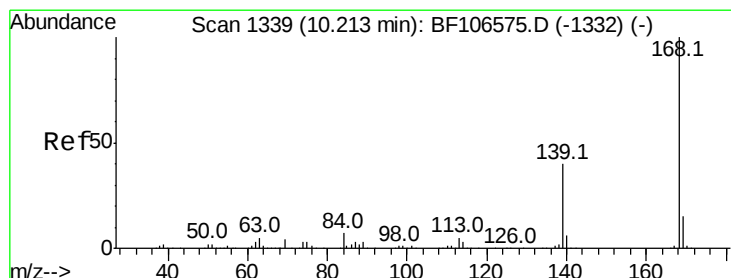
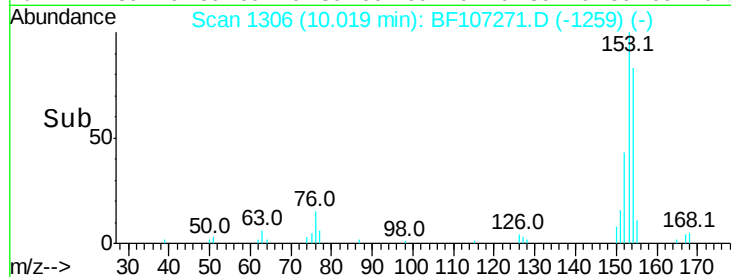
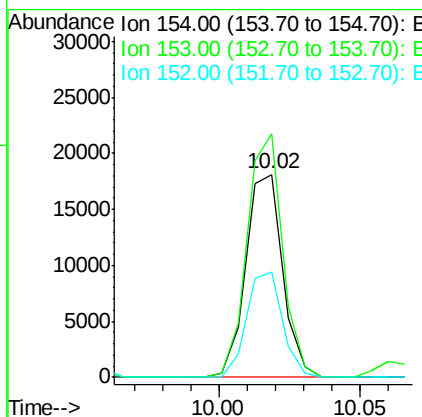
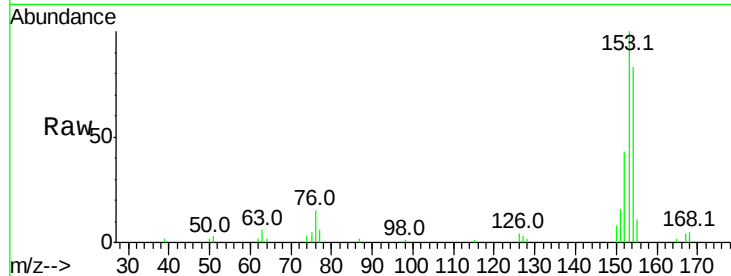
ClientSampleId :

212-72-11940-R4-VNJ-242

Tot Ion:	154	Resp:	16454
Ion	Ratio	Lower	Upper
154	100		
153	119.9	91.2	136.8
152	51.8	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 6.465 ng

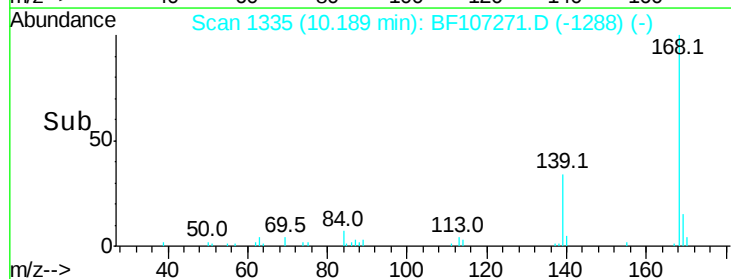
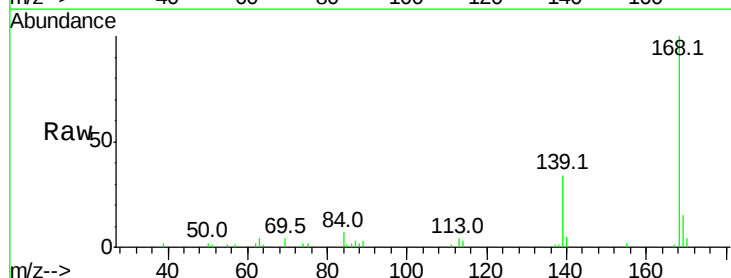
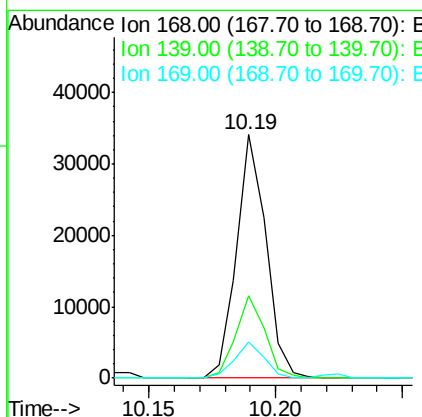
RT: 10.19 min Scan# 1335

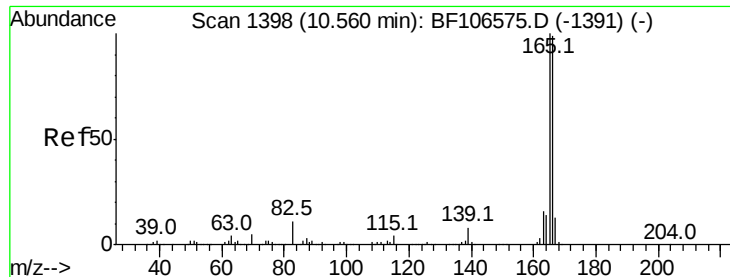
Delta R.T. -0.02 min

Lab File: BF107271.D

Acq: 10 Jul 2018 14:35

Tgt Ion:	168	Resp:	27597
Ion	Ratio	Lower	Upper
168	100		
139	33.8	30.1	45.1
169	14.8	10.9	16.3





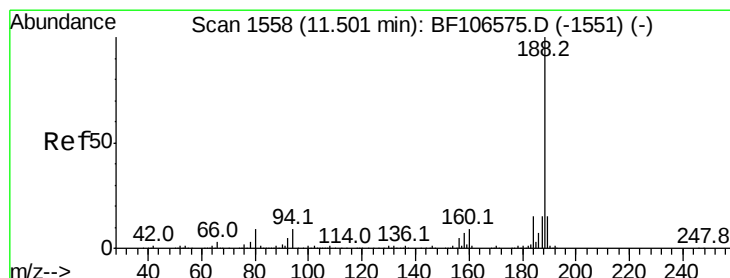
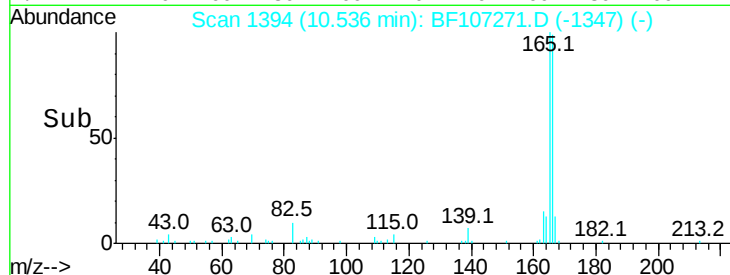
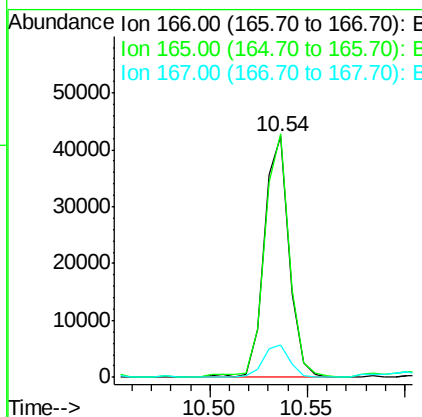
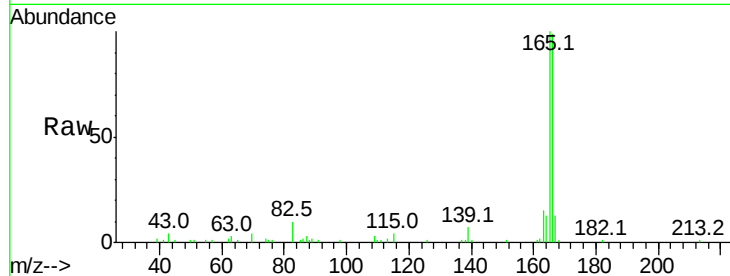
#57
Fluorene
 Concen: 11.016 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.02 min
 Lab File: BF107271.D
 Acq: 10 Jul 2018 14:35

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.2	79.8	119.8
167	13.5	10.6	16.0

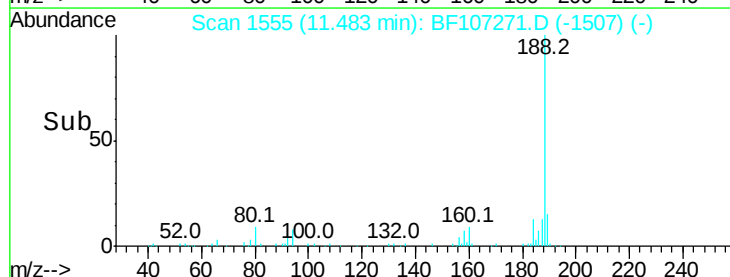
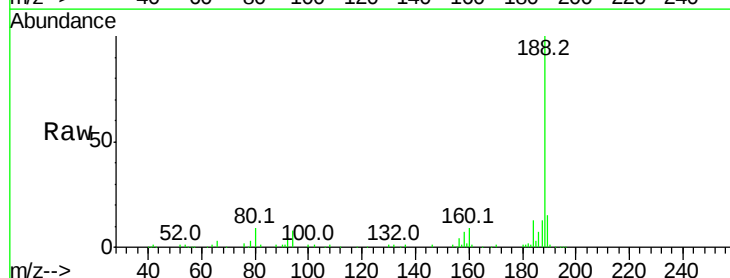
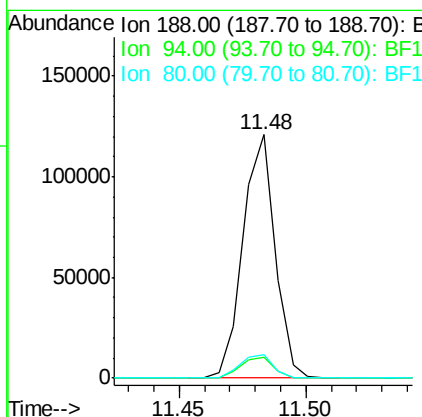
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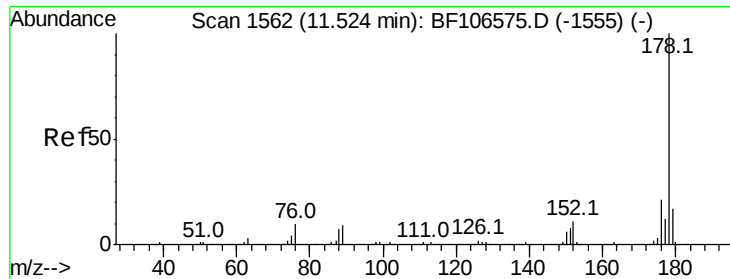
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF107271.D
 Acq: 10 Jul 2018 14:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7#
80	9.4	9.2	13.8





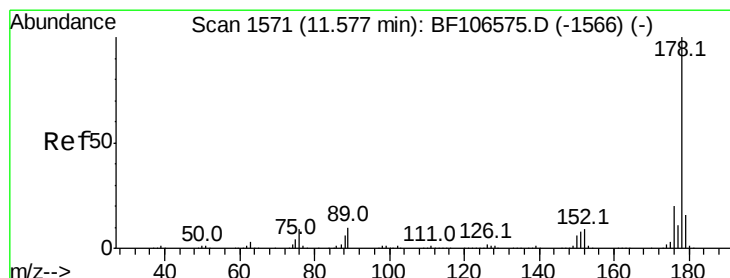
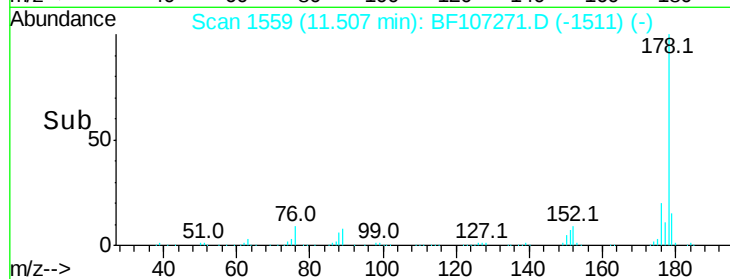
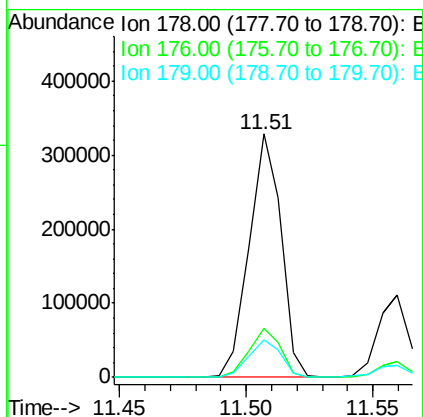
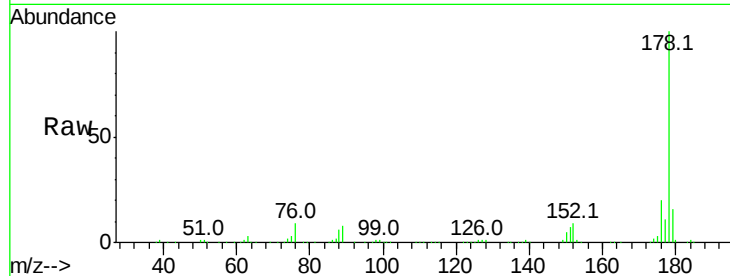
#70
Phenanthrene
Concen: 56.363 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107271.D
Acq: 10 Jul 2018 14:35

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.6	13.0	19.6

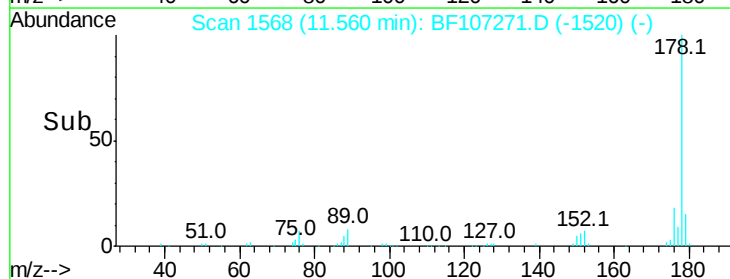
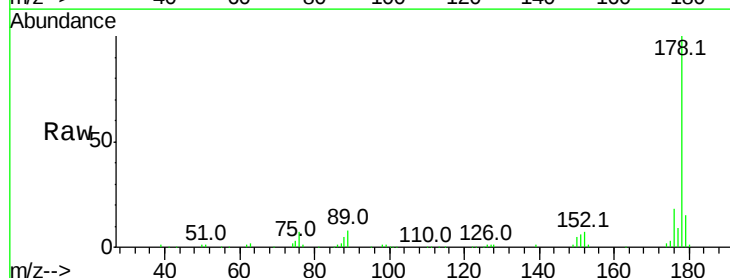
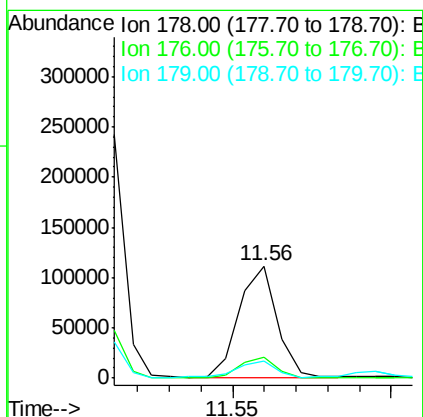
Manual Integrations
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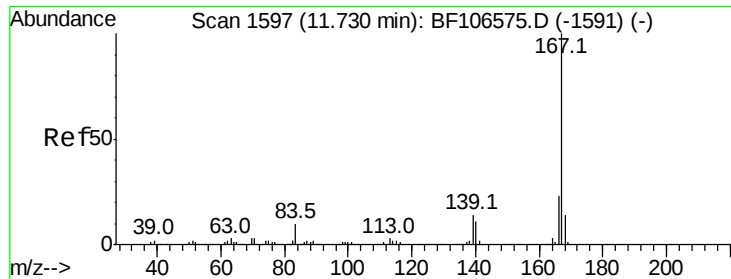
Sohil
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#71
Anthracene
Concen: 17.518 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF107271.D
Acq: 10 Jul 2018 14:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.1	12.6	19.0





#72

Carbazole

Concen: 3.818 ng

RT: 11.72 min Scan# 1595

Delta R.T. -0.02 min

Lab File: BF107271.D

Acq: 10 Jul 2018 14:35

Instrument :

BNA_F

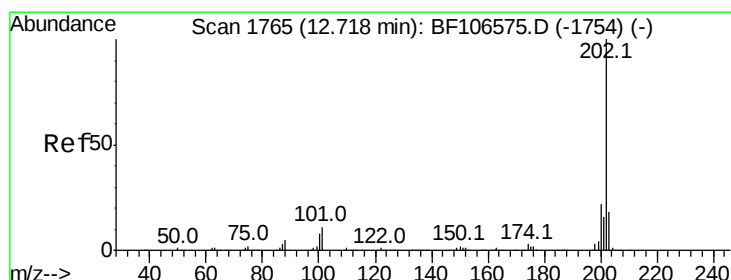
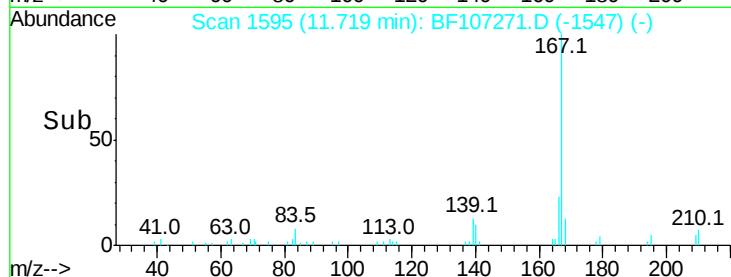
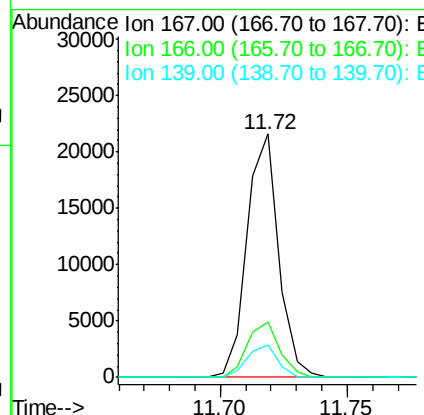
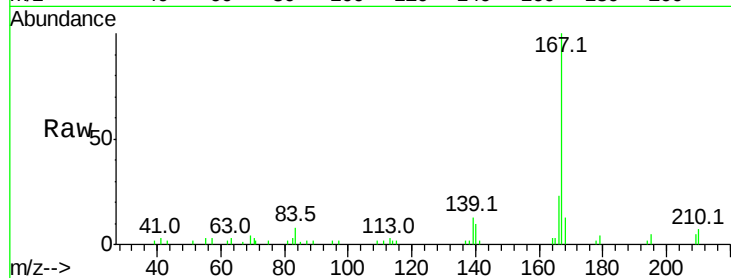
ClientSampleId :

212-72-11940-R4-VNJ-242

Tot Ion:167	Resp:	18704
Ion Ratio	Lower	Upper
167	100	
166	22.9	17.6 26.4
139	13.2	10.9 16.3

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#74

Fluoranthene

Concen: 60.623 ng

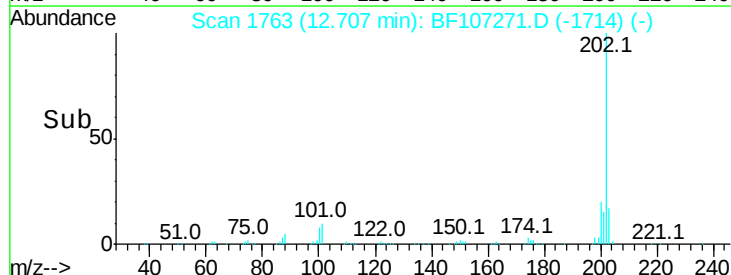
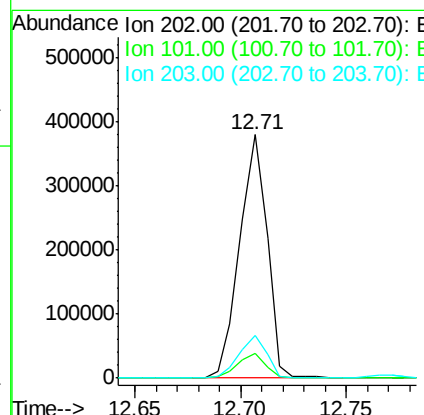
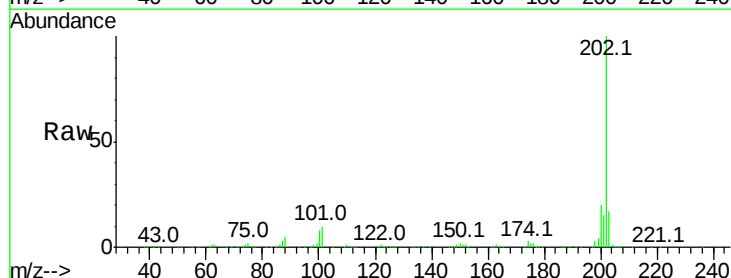
RT: 12.71 min Scan# 1763

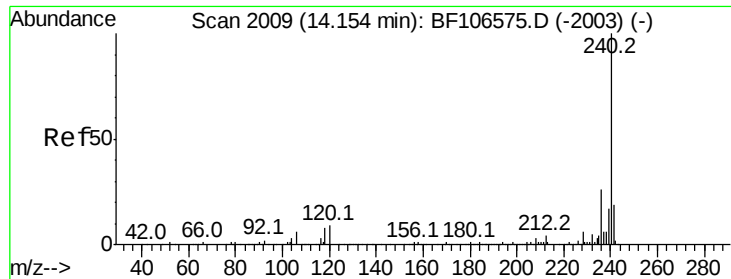
Delta R.T. -0.01 min

Lab File: BF107271.D

Acq: 10 Jul 2018 14:35

Tgt Ion:202	Resp:	342551
Ion Ratio	Lower	Upper
202	100	
101	10.1	0.0 34.1
203	17.4	0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107271.D

Acq: 10 Jul 2018 14:35

Instrument :

BNA_F

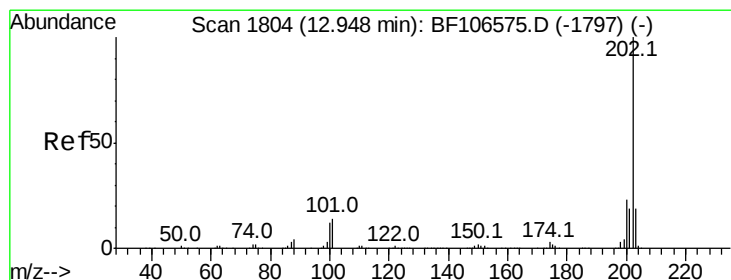
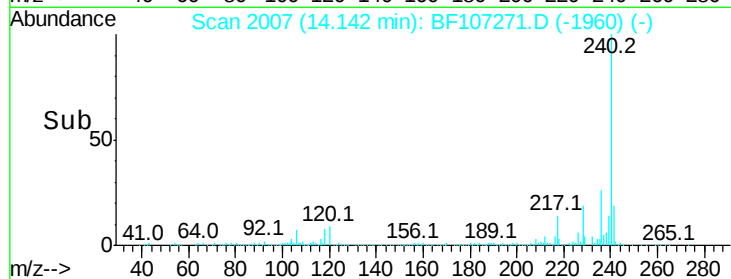
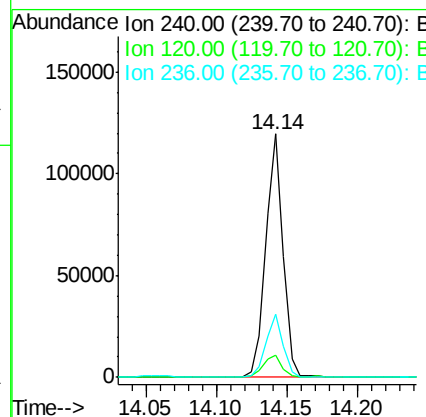
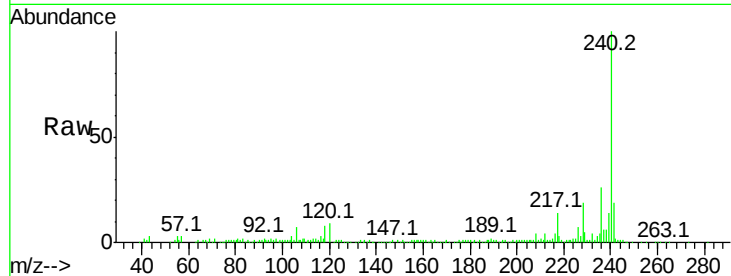
ClientSampleId :

212-72-11940-R4-VNJ-242

Tot Ion:	240	Resp:	104557
Ion Ratio	Lower	Upper	
240	100		
120	8.9	9.5	14.3#
236	26.0	20.7	31.1

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#77

Pyrene

Concen: 42.585 ng

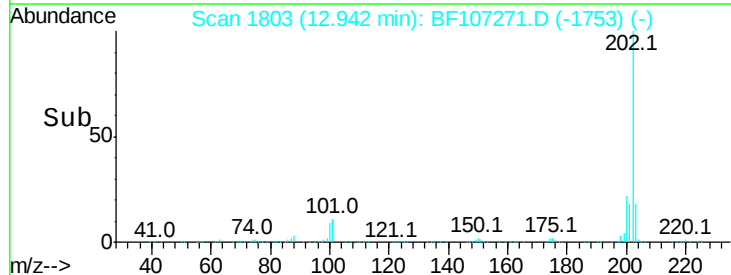
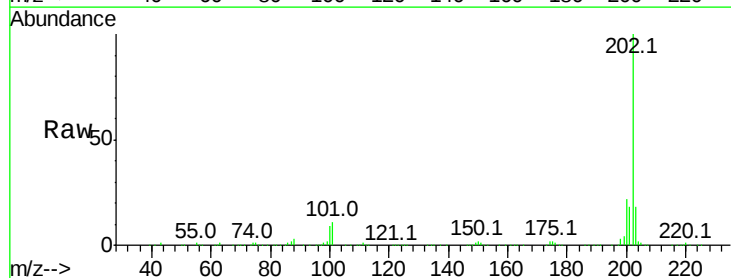
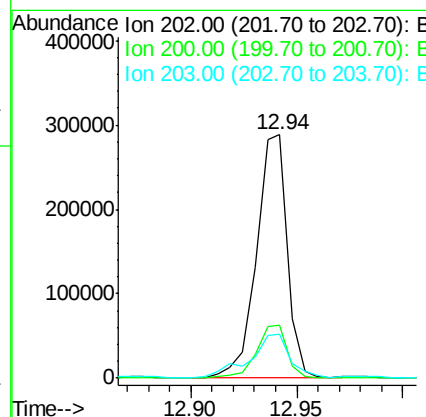
RT: 12.94 min Scan# 1803

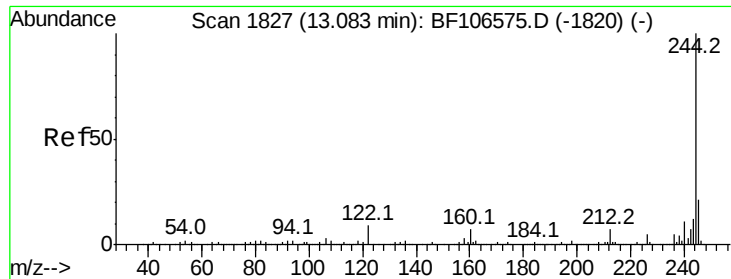
Delta R.T. -0.01 min

Lab File: BF107271.D

Acq: 10 Jul 2018 14:35

Tgt Ion:	202	Resp:	293616
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	18.2	14.3	21.5





#78

Terphenyl-d14

Concen: 60.285 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF107271.D

Acq: 10 Jul 2018 14:35

Instrument :

BNA_F

ClientSampleId :

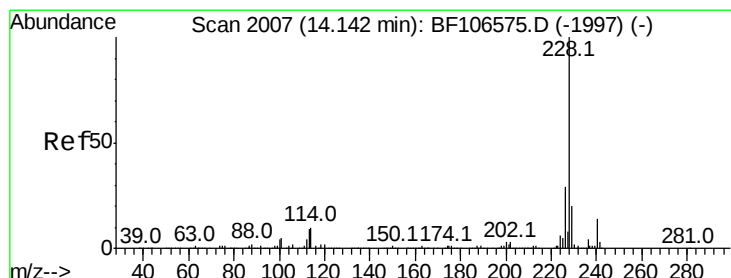
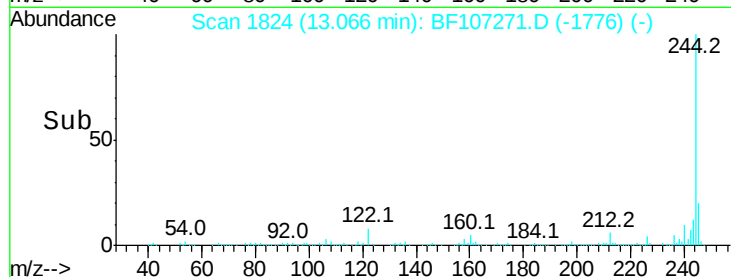
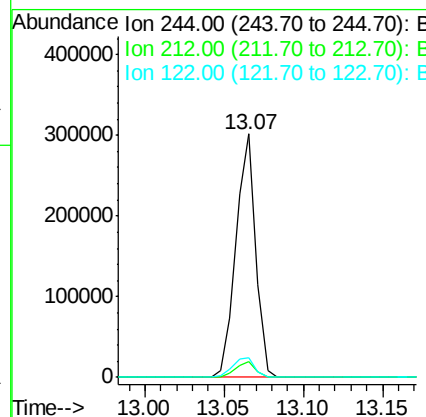
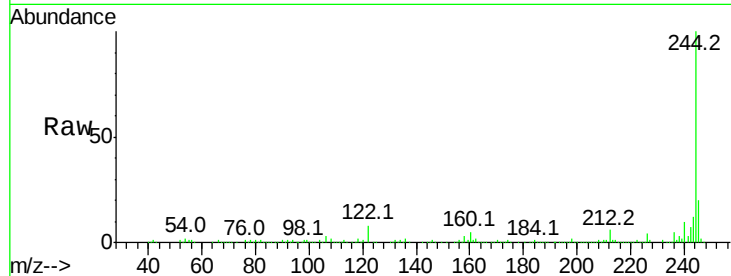
212-72-11940-R4-VNJ-242

Tot Ion:	244	Resp:	260217
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	8.0	11.0	16.4#

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#80

Benzo(a)anthracene

Concen: 22.884 ng

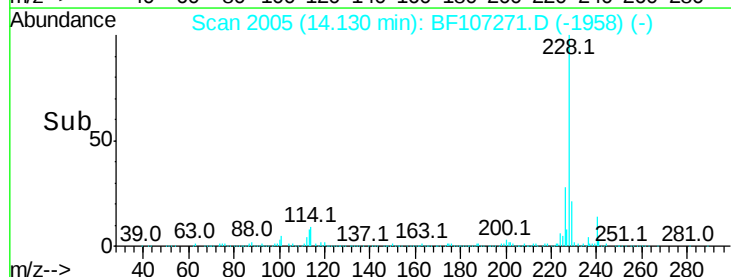
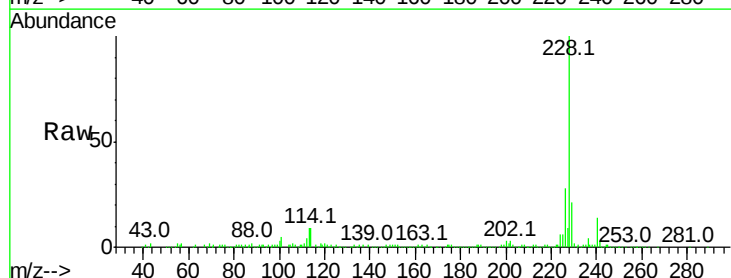
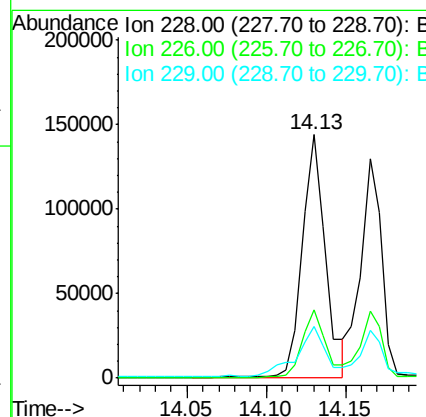
RT: 14.13 min Scan# 2005

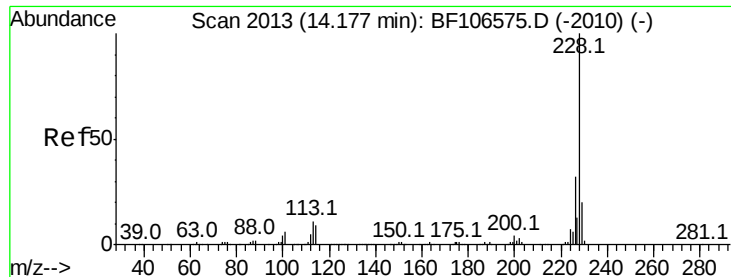
Delta R.T. -0.02 min

Lab File: BF107271.D

Acq: 10 Jul 2018 14:35

Tgt Ion:	228	Resp:	145826
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.6	33.8
229	21.3	15.8	23.6





#82

Chrysene

Concen: 20.464 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107271.D

Acq: 10 Jul 2018 14:35

Instrument :

BNA_F

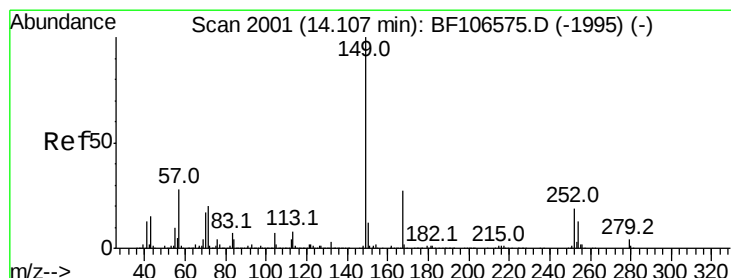
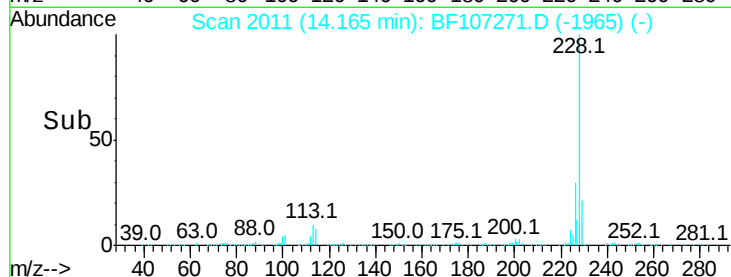
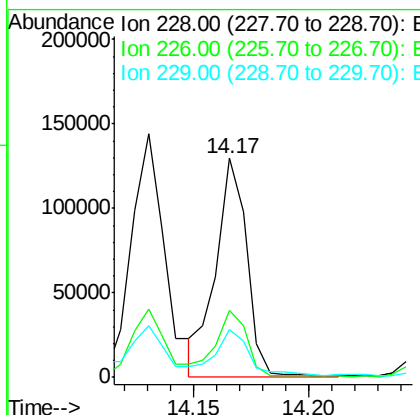
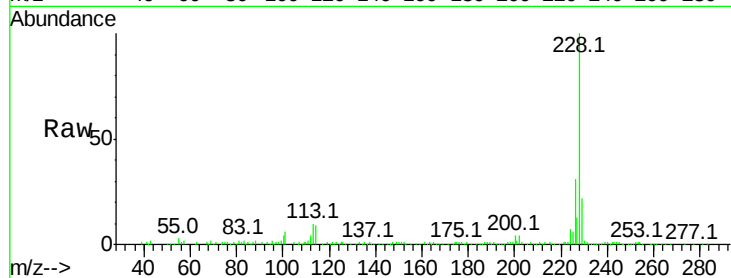
ClientSampleId :

212-72-11940-R4-VNJ-242

Tot Ion:	228	Resp:	119975
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.6
229	22.0	16.2	24.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.168 ng

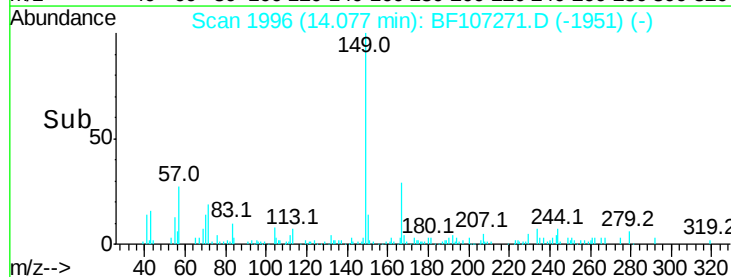
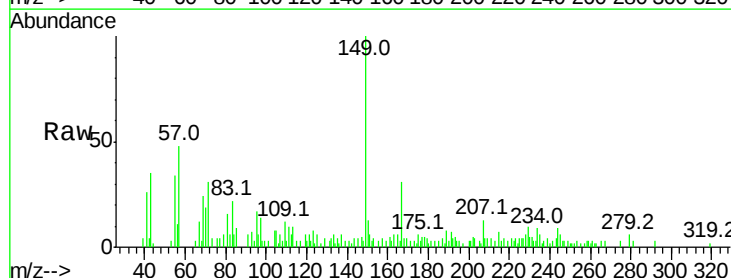
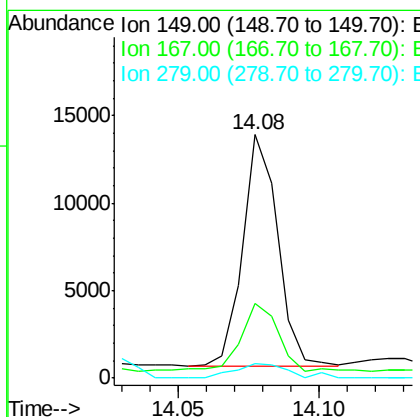
RT: 14.08 min Scan# 1996

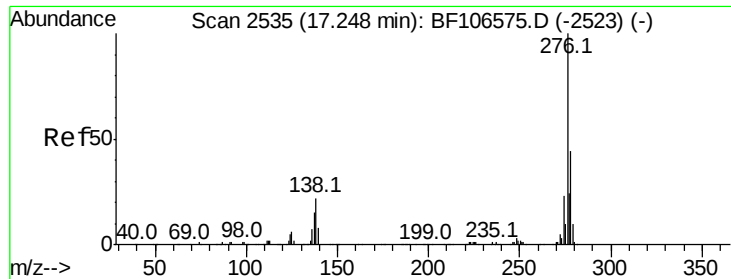
Delta R.T. -0.04 min

Lab File: BF107271.D

Acq: 10 Jul 2018 14:35

Tgt Ion:	149	Resp:	11483
Ion Ratio	Lower	Upper	
149	100		
167	30.6	21.3	31.9
279	5.8	3.0	4.4#





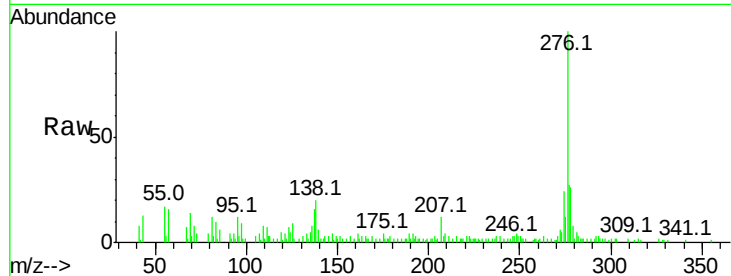
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.602 ng/ml
RT: 17.27 min Scan# 2539
Delta R.T. -0.04 min
Lab File: BF107271.D
Acq: 10 Jul 2018 14:35

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

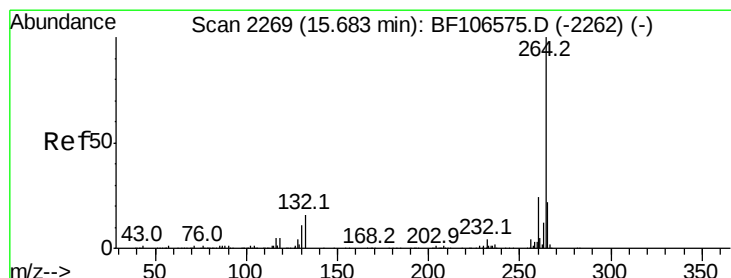
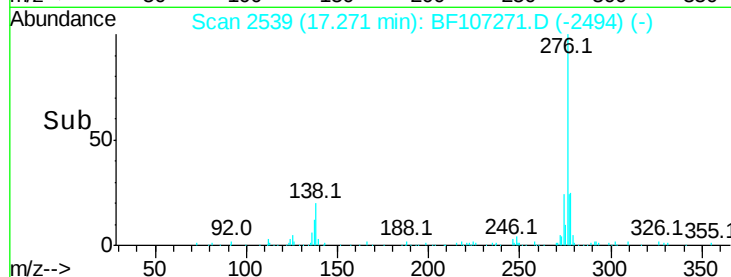
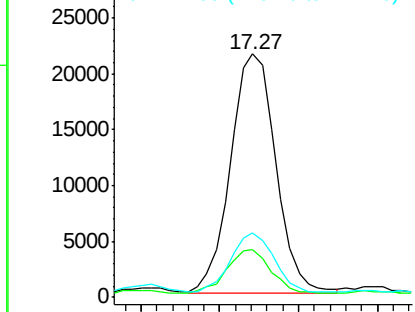
Tot Ion	Ratio	Lower	Upper
276	100		
138	4.0	25.0	37.6#
277	3.3	20.1	30.1#

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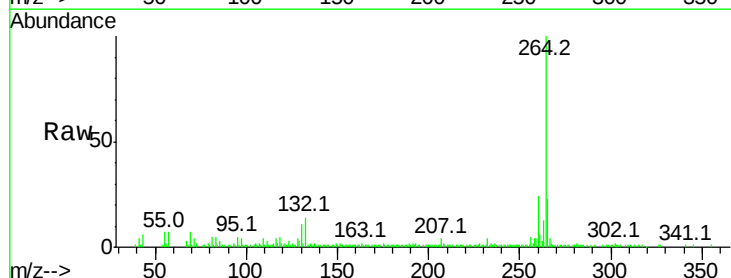


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

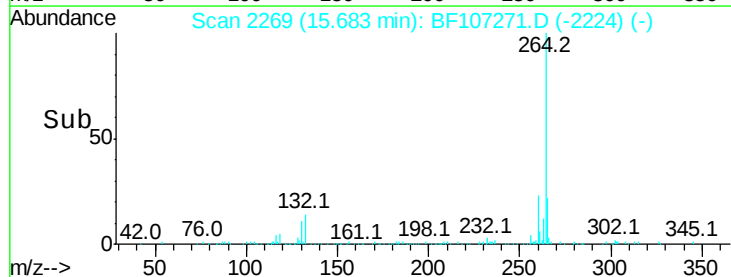
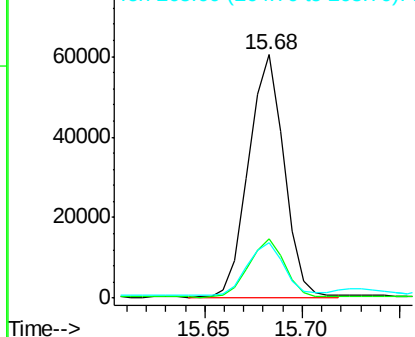


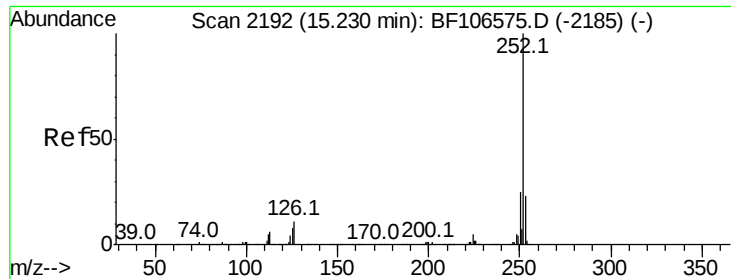
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.04 min
Lab File: BF107271.D
Acq: 10 Jul 2018 14:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.6	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





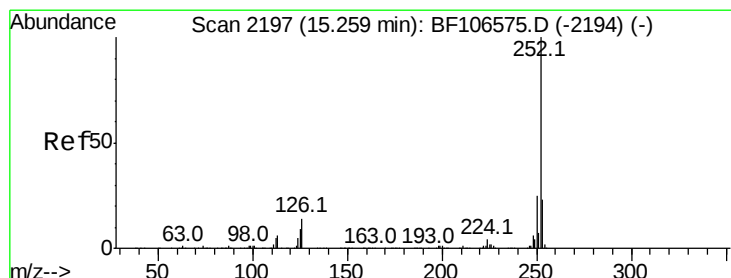
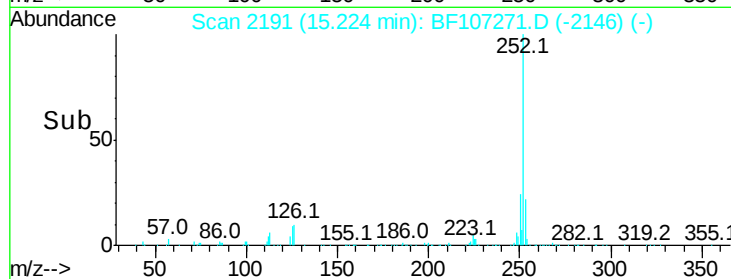
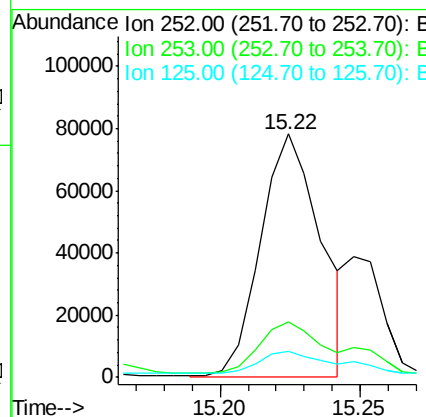
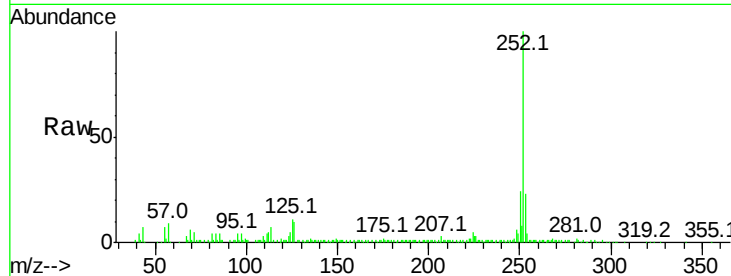
#87
Benzo(b)fluoranthene
Concen: 24.640 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107271.D
Acq: 10 Jul 2018 14:35

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	10.7	9.0	13.6

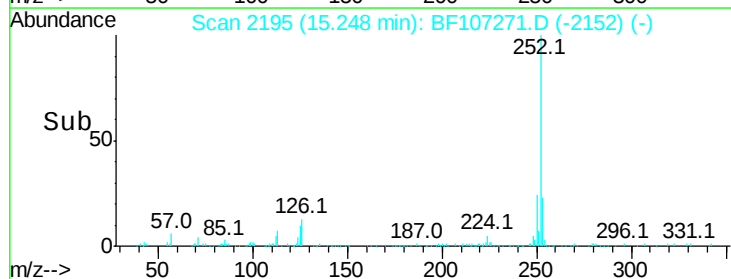
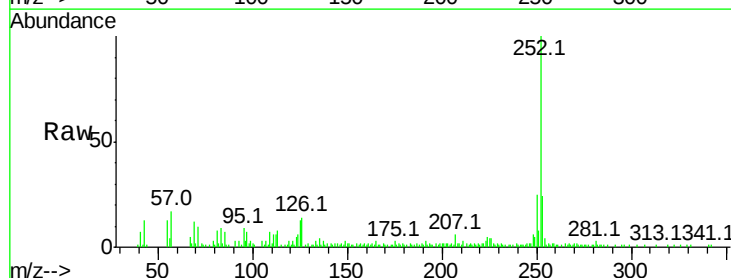
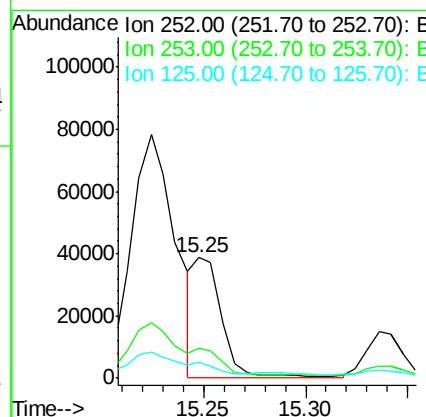
Manual Integrations
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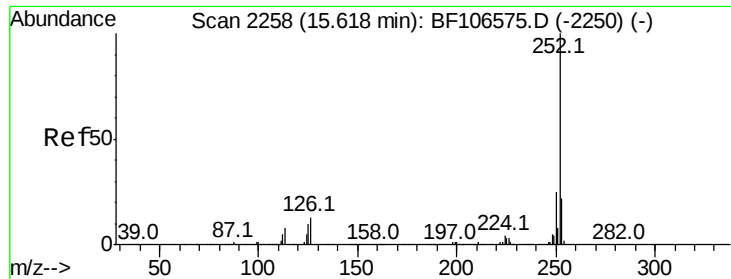
Sohil
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#88
Benzo(k)fluoranthene
Concen: 8.249 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF107271.D
Acq: 10 Jul 2018 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	12.6	10.2	15.2





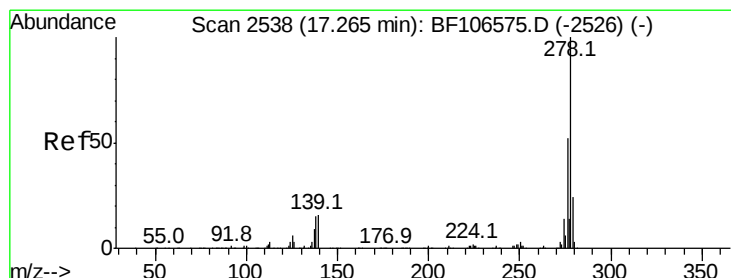
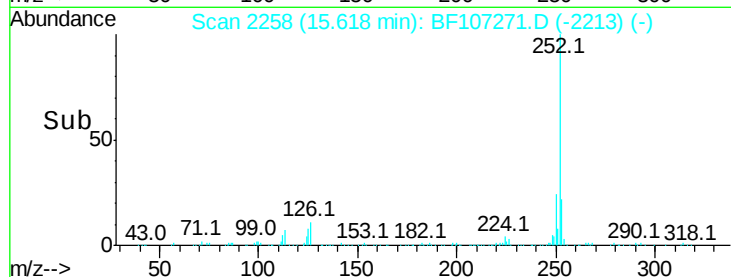
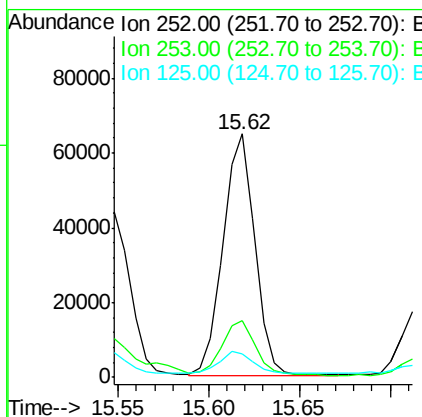
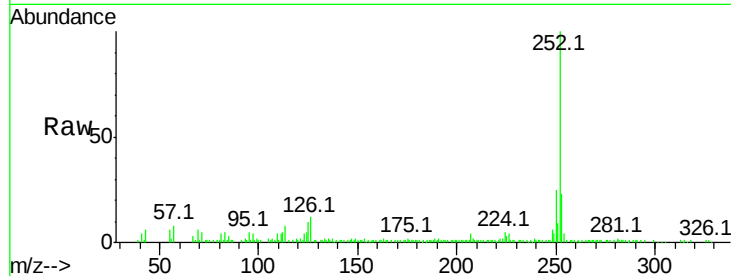
#89
Benzo(a)pyrene
Concen: 18.674 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF107271.D
Acq: 10 Jul 2018 14:35

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	9.9	9.8	14.6

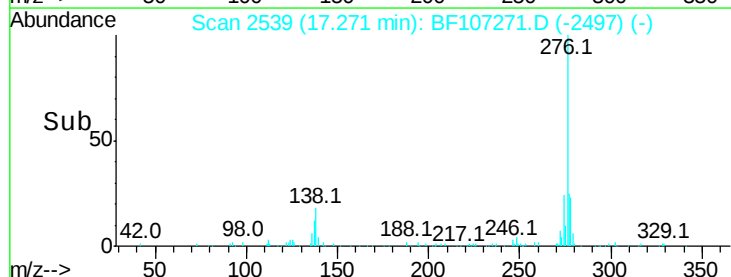
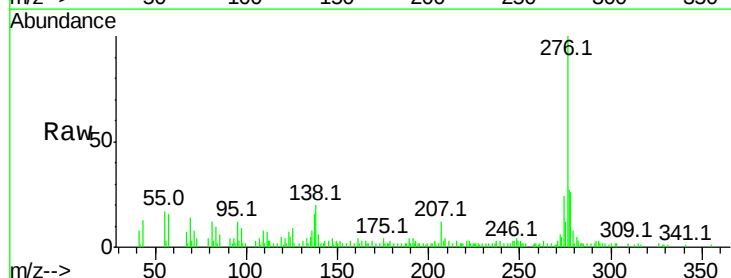
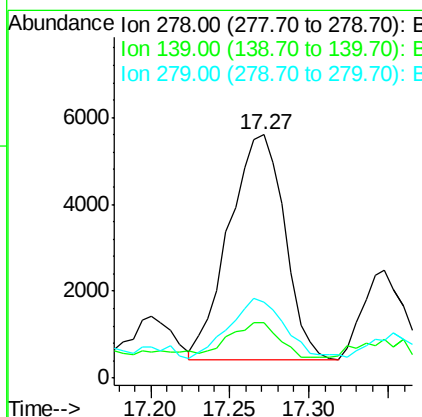
Manual Integrations
APPROVED

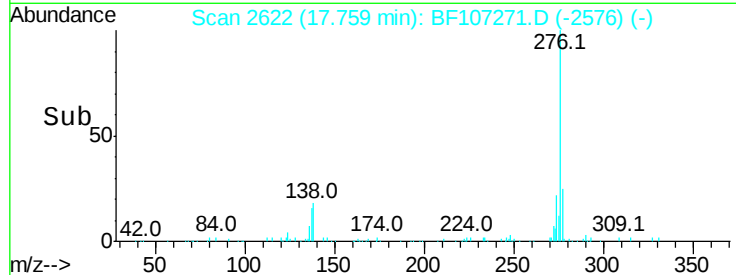
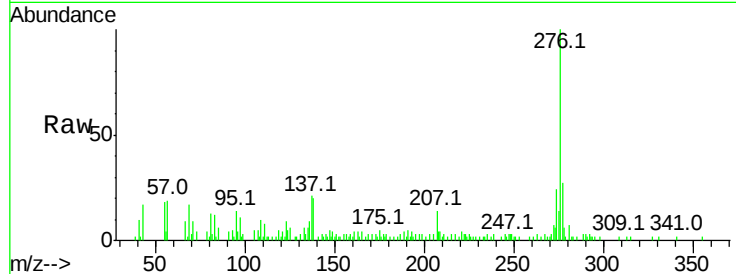
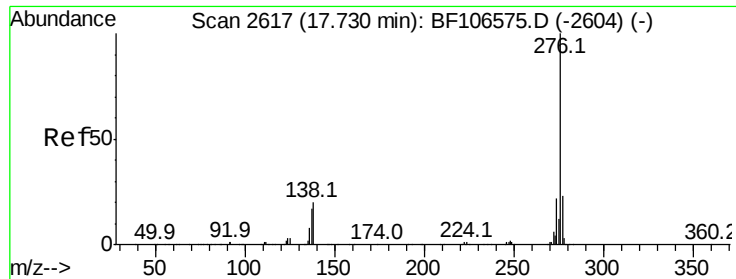
Sohil
7/11/2018 11:22:38 AM



#90
Dibenzo(a,h)anthracene
Concen: 3.487 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.05 min
Lab File: BF107271.D
Acq: 10 Jul 2018 14:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.7	15.9	23.9
279	31.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 12.321 ng
 RT: 17.76 min Scan# 2622
 Delta R.T. -0.03 min
 Lab File: BF107271.D
 Acq: 10 Jul 2018 14:35

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.0	17.9	26.9#
138	19.7	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 7/11/2018 11:22:38 AM

