

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF105004.D
 Acq On : 2 May 2018 2:00
 Operator : JU/SJ
 Sample : J2453-15
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.0-1.5

Manual Integrations
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Quant Time: May 02 12:57:16 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 16:13:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	129107	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	551144	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	255375	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	437324	20.00	ng	0.00
75) Chrysene-d12	14.03	240	273627	20.00	ng	0.06
86) Perylene-d12	15.59	264	269254	20.00	ng	0.16
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	664865	78.74	ng	0.00
7) Phenol-d6	6.43	99	833010	80.29	ng	0.00
23) Nitrobenzene-d5	7.36	82	523809	62.06	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	206952	78.12	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	844945	52.27	ng	0.00
78) Terphenyl-d14	12.92	244	694023	57.83	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	114261	5.674	ng	100
57) Fluorene	10.38	166	54946	3.339	ng	97
70) Phenanthrene	11.35	178	650798	26.722	ng	99
71) Anthracene	11.40	178	191086	7.719	ng	97
72) Carbazole	11.56	167	84021	3.473	ng	98
74) Fluoranthene	12.54	202	711970	27.980	ng	97
77) Pyrene	12.77	202	628453	30.985	ng	100
80) Benzo(a)anthracene	14.02	228	313294	19.165	ng	98
82) Chrysene	14.06	228	276807	16.486	ng	97
85) Indeno(1,2,3-cd)pyrene	17.08	276	120191	8.427	ng	93
87) Benzo(b)fluoranthene	15.16	252	334108m	19.647	ng	
88) Benzo(k)fluoranthene	15.19	252	92216m	5.744	ng	
89) Benzo(a)pyrene	15.47	252	148909m	9.786	ng	
90) Dibenzo(a,h)anthracene	17.08	278	36172m	2.895	ng	
91) Benzo(g,h,i)perylene	17.52	276	106099	8.763	ng	94

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

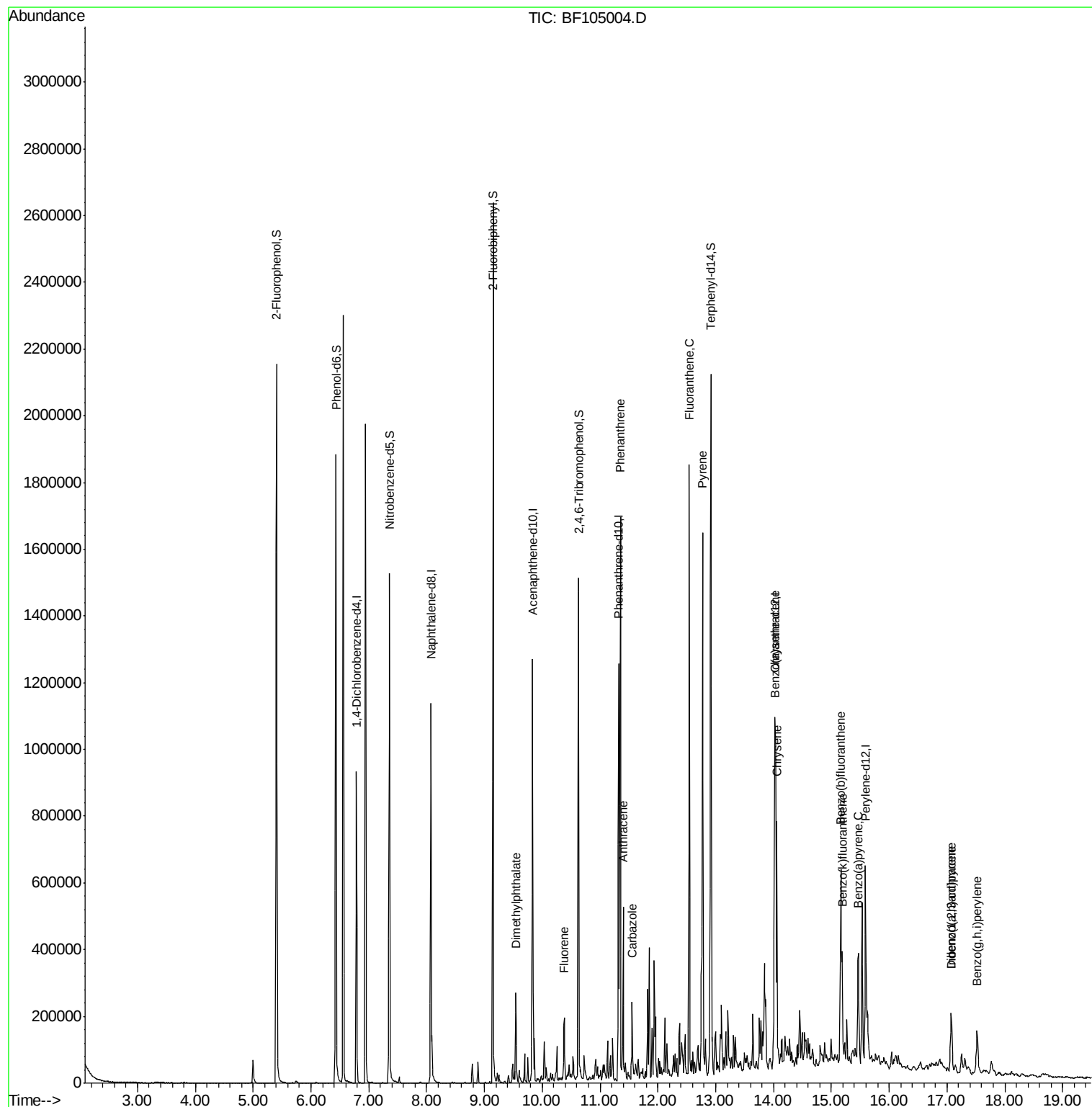
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
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ALS Vial : 28 Sample Multiplier: 1

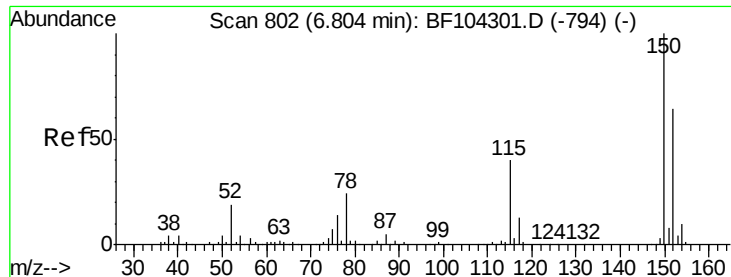
Instrument :
BNA_F
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T-14 1.0-1.5

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#1

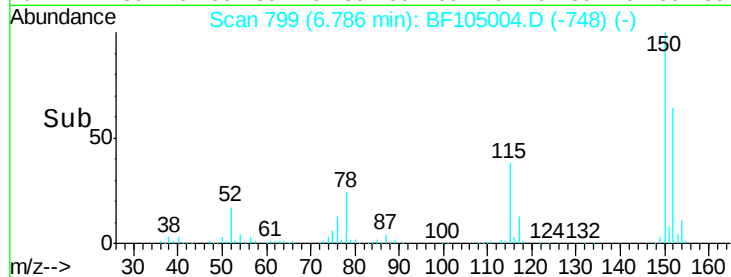
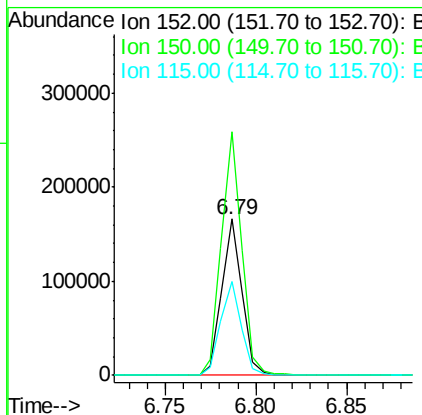
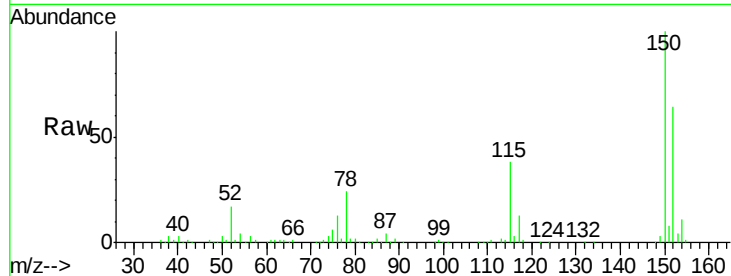
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	129107		
150	155.7	124.6	186.8	
115	59.7	50.1	75.1	

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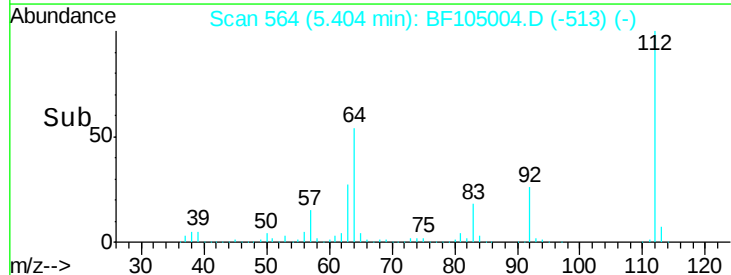
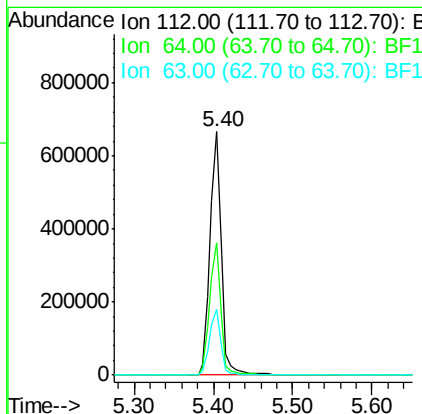
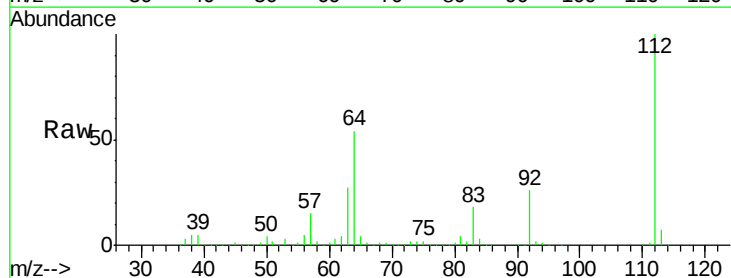
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#5

2-Fluorophenol
Concen: 78.742 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	664865		
64	54.2	47.9	71.9	
63	27.2	23.7	35.5	





#7

Phenol-d6

Concen: 80.295 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF105004.D

Acq: 2 May 2018 2:00

Instrument :

BNA_F

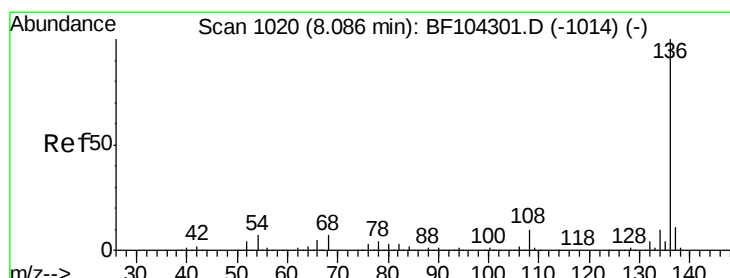
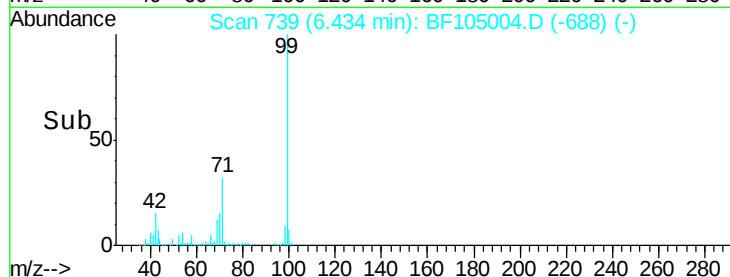
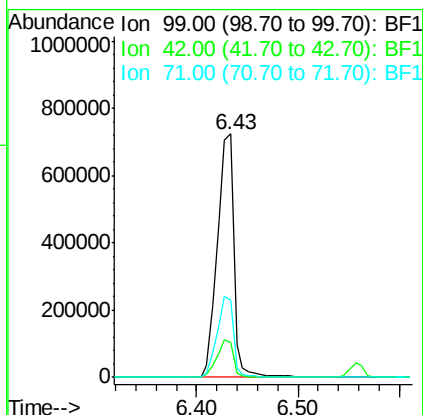
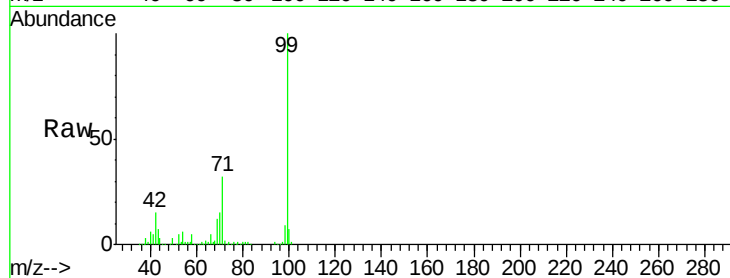
ClientSampleId :

T-14 1.0-1.5

Tgt Ion:	99	Resp:	833010
Ion Ratio	Lower	Upper	
99	100		
42	14.6	14.5	21.7
71	31.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

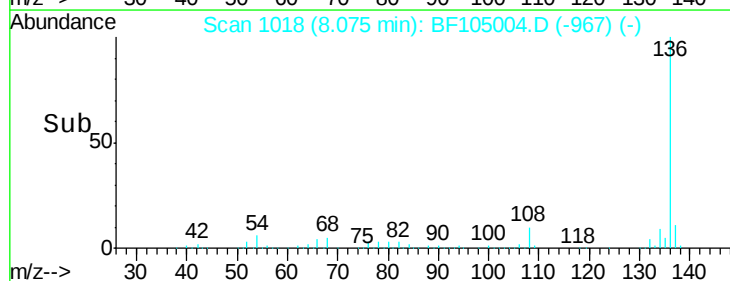
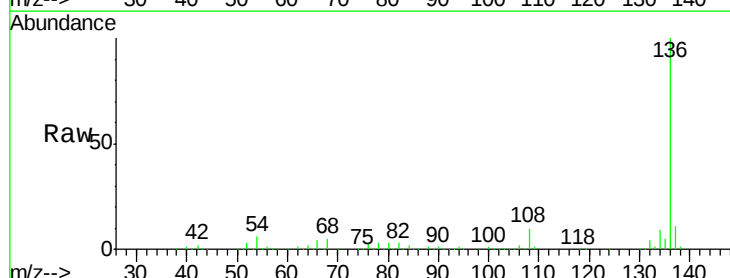
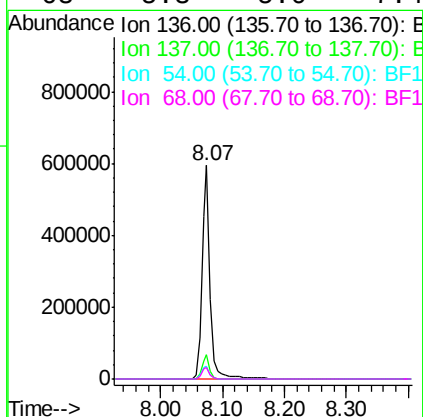
RT: 8.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BF105004.D

Acq: 2 May 2018 2:00

Tgt Ion:	136	Resp:	551144
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	5.9	6.6	9.8
68	5.3	5.0	7.4





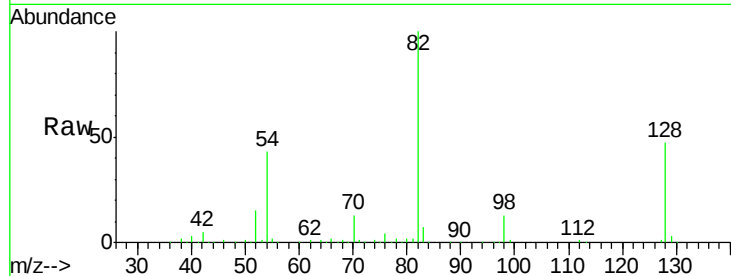
#23
 Nitrobenzene-d5
 Concen: 62.059 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF105004.D
 Acq: 2 May 2018 2:00

Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.0-1.5

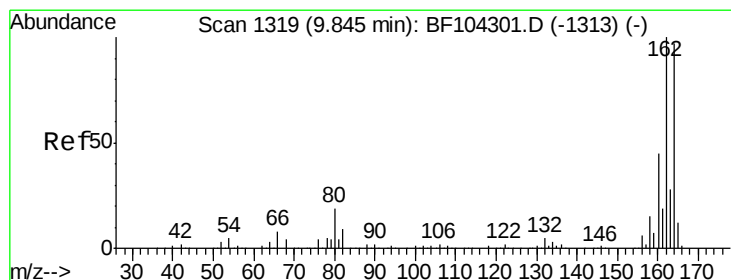
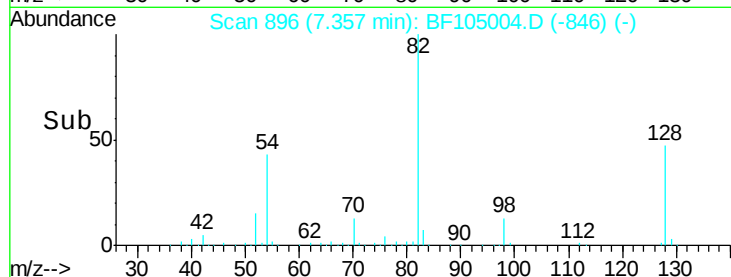
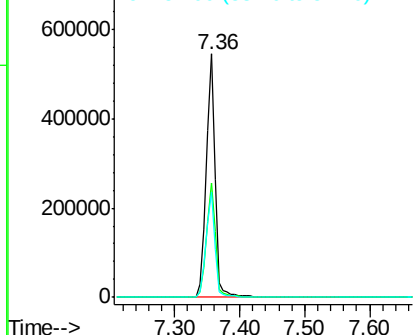
Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	47.2	36.1	54.1
54	43.3	41.4	62.2

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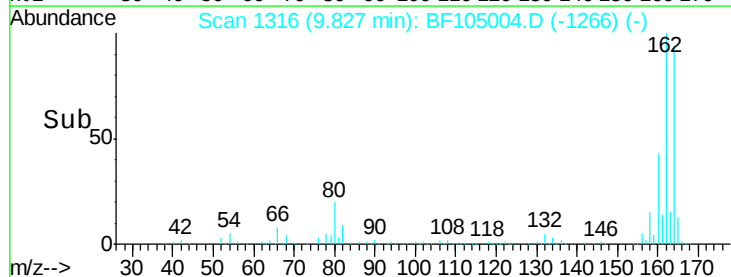
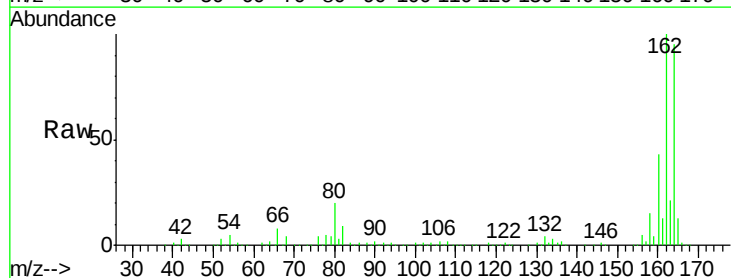
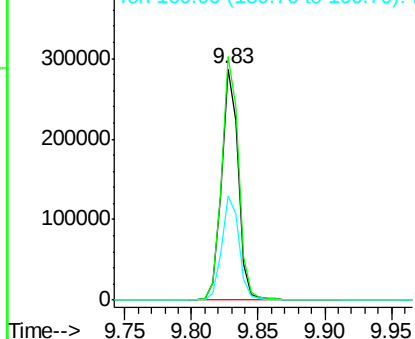
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 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

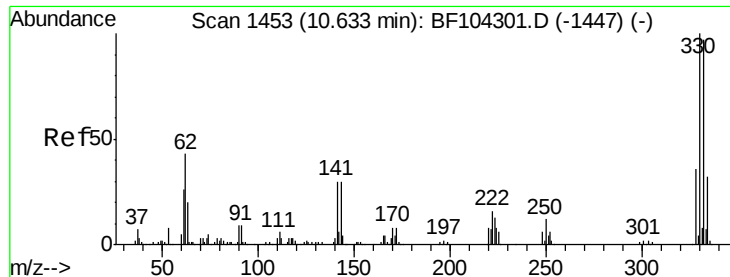


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF105004.D
 Acq: 2 May 2018 2:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	105.3	86.1	129.1
160	45.0	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





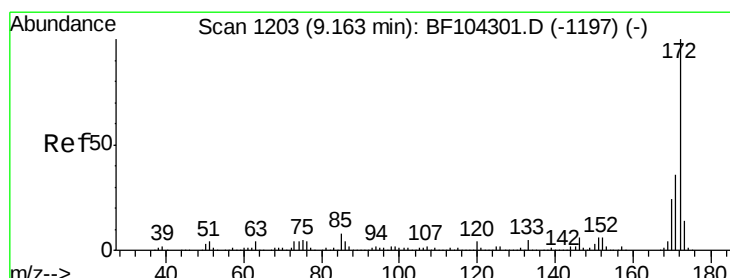
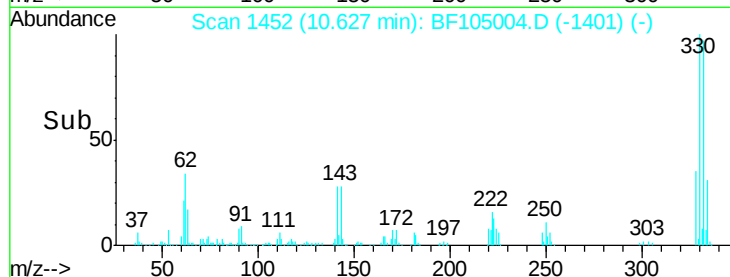
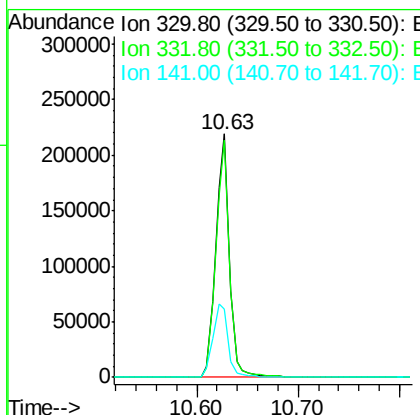
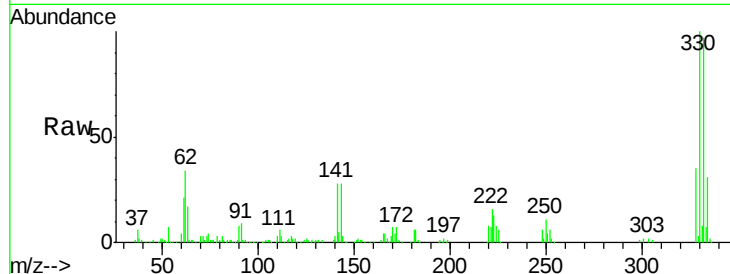
#41
 2,4,6-Tribromophenol
 Concen: 78.122 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: BF105004.D
 Acq: 2 May 2018 2:00

Instrument :
 BNA_F
 ClientSampled :
 T-14 1.0-1.5

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	206952		
332	96.9	77.0	115.6	
141	34.0	29.9	44.9	

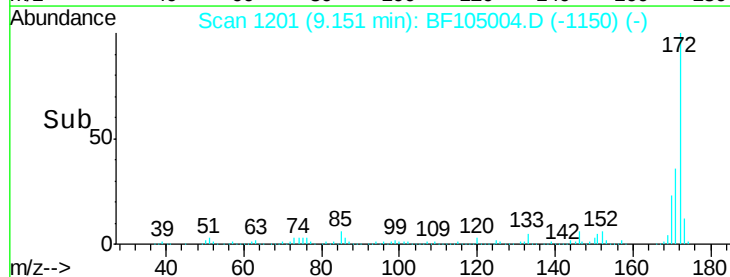
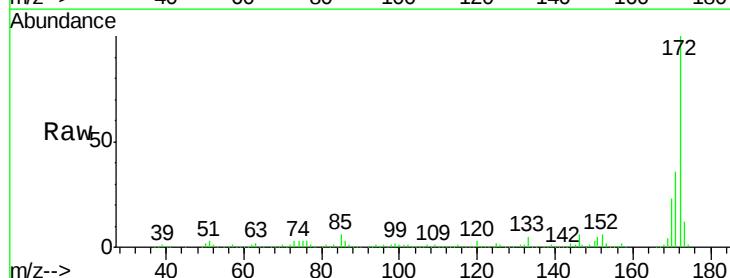
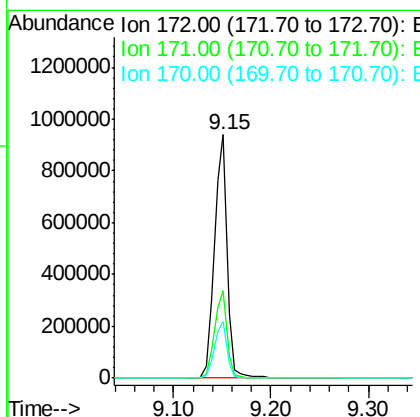
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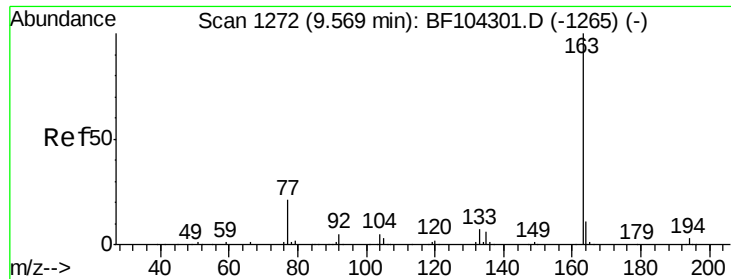
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#44
 2-Fluorobiphenyl
 Concen: 52.268 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF105004.D
 Acq: 2 May 2018 2:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	844945		
171	35.9	29.7	44.5	
170	23.3	19.6	29.4	





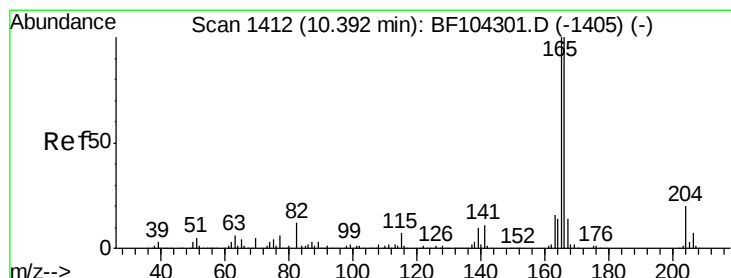
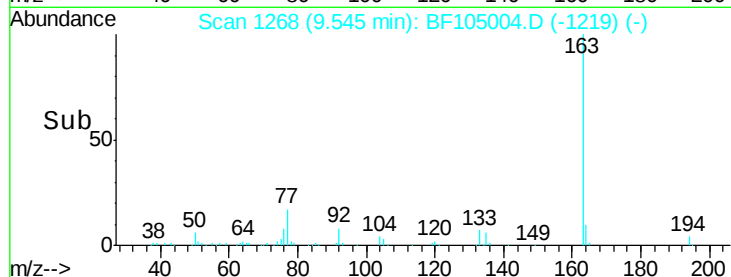
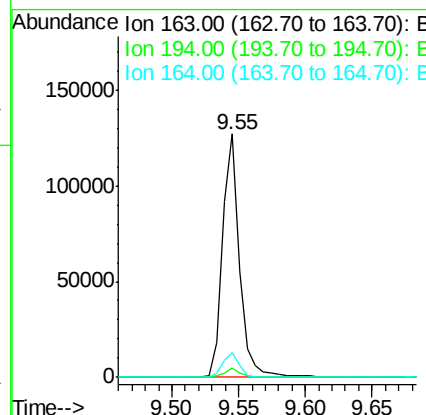
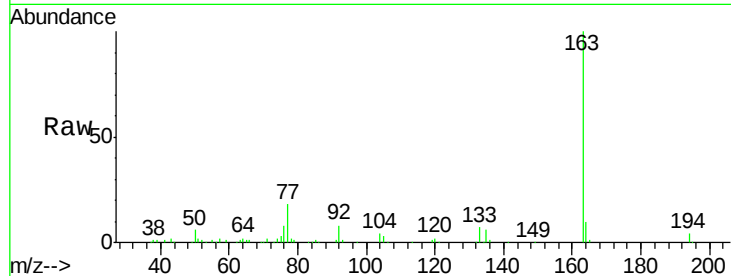
#49
Dimethylphthalate
Concen: 5.674 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.2	8.2	12.2

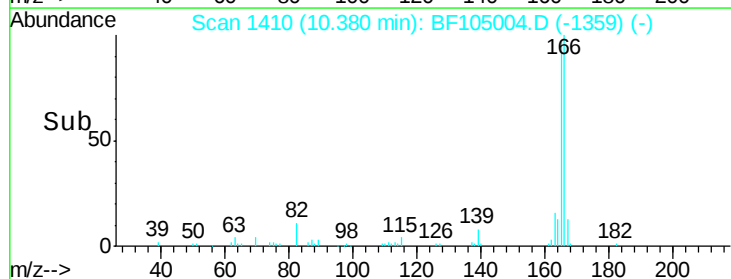
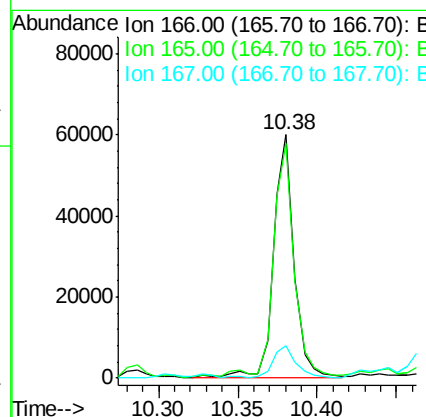
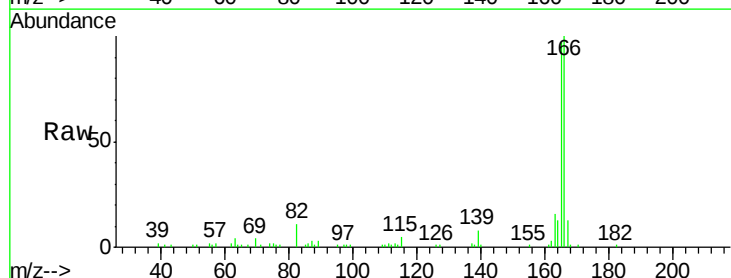
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#57
Fluorene
Concen: 3.339 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.00 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	96.6	79.8	119.8
167	13.5	10.6	16.0





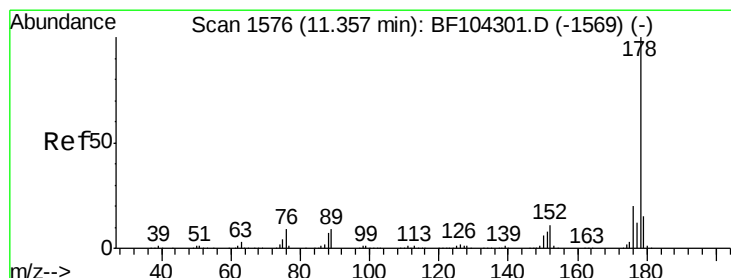
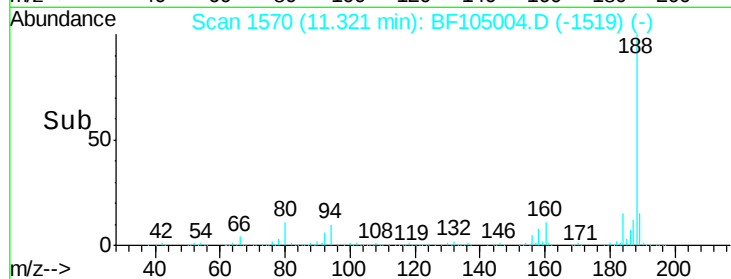
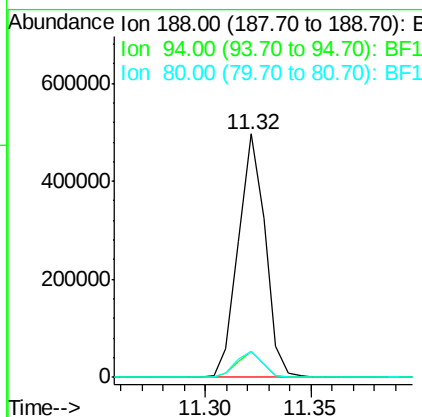
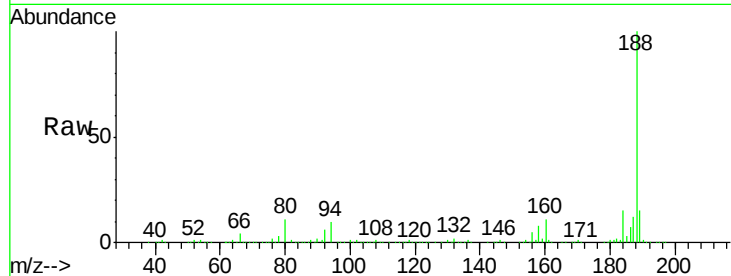
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	437324		
94	10.4	8.5	12.7	
80	10.8	9.2	13.8	

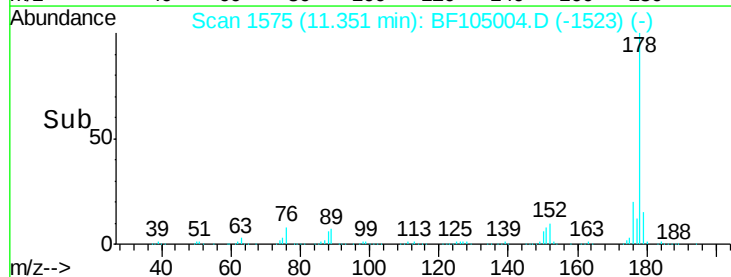
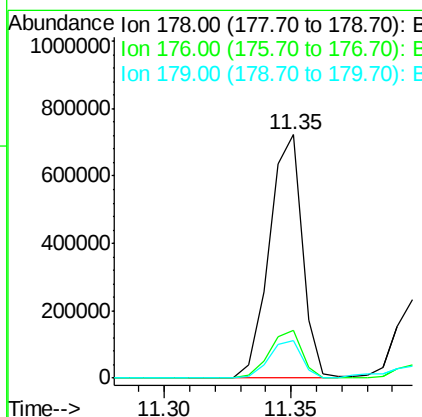
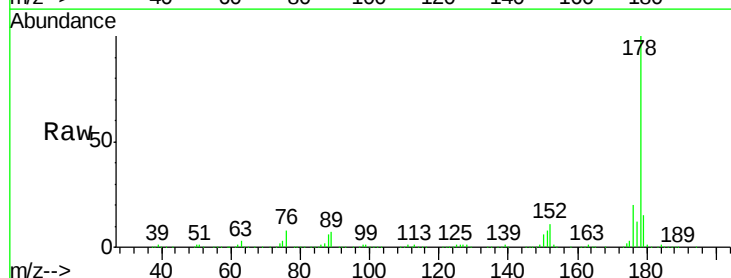
Manual Integrations
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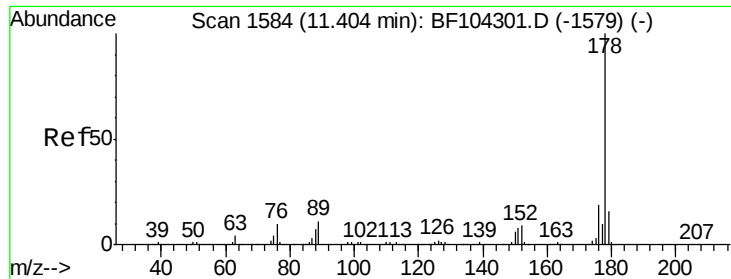
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#70
Phenanthrene
Concen: 26.722 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	650798		
176	19.7	15.8	23.8	
179	15.4	13.0	19.6	





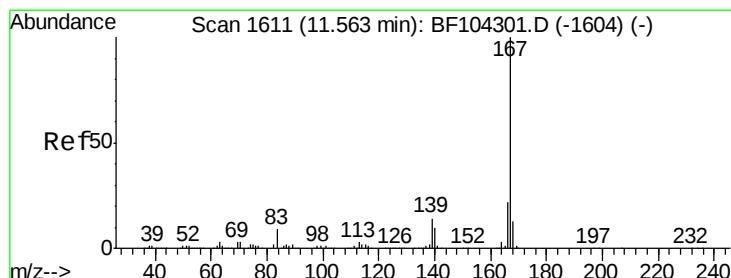
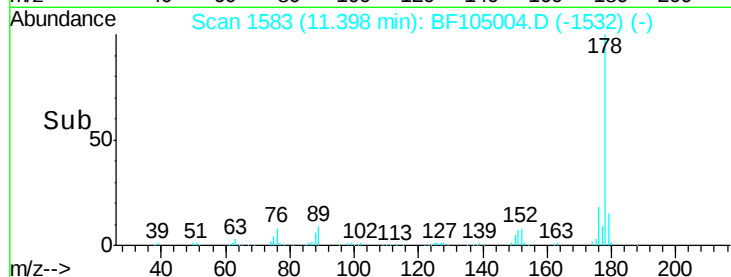
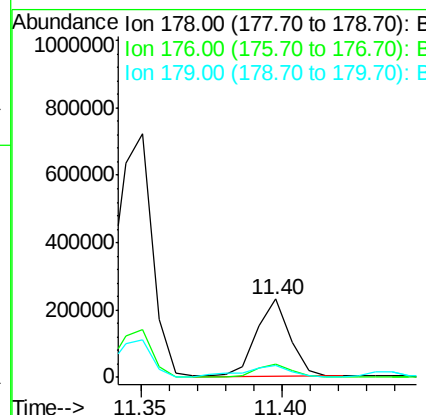
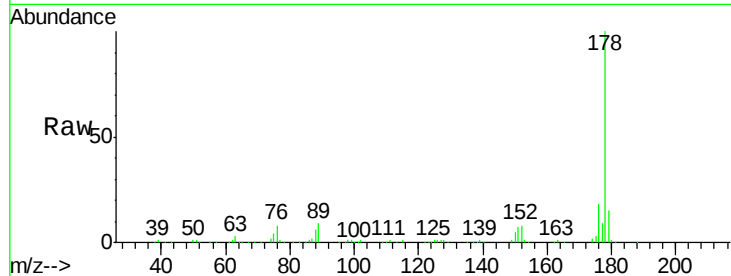
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 Anthracene
 Concen: 7.719 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF105004.D
 Acq: 2 May 2018 2:00

Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.0-1.5

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	15.2	12.6	19.0

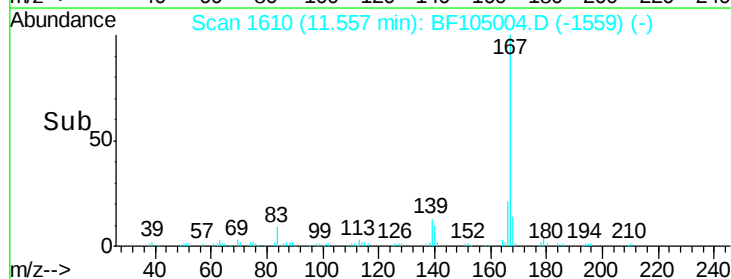
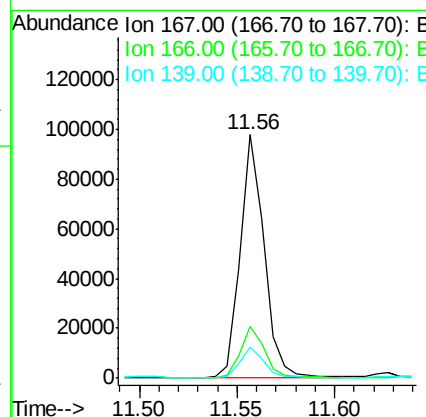
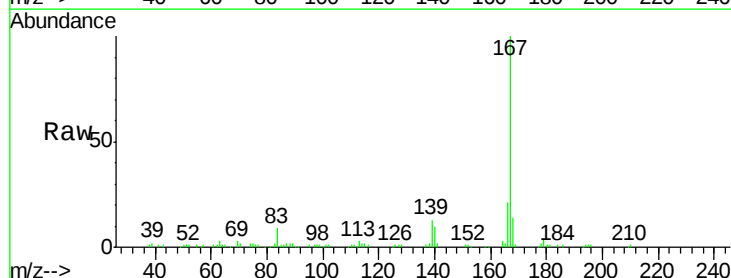
Manual Integrations
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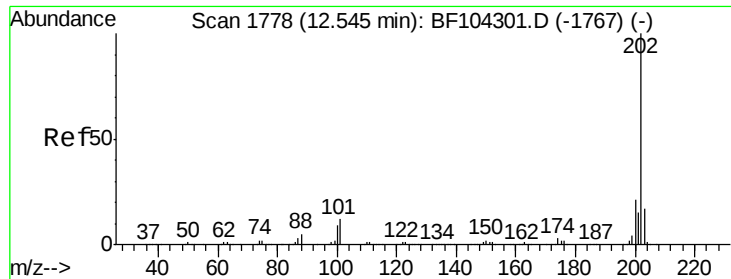
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#72
 Carbazole
 Concen: 3.473 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BF105004.D
 Acq: 2 May 2018 2:00

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.6	26.4
139	12.8	10.9	16.3





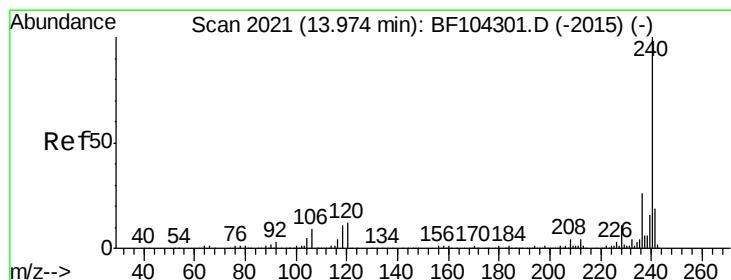
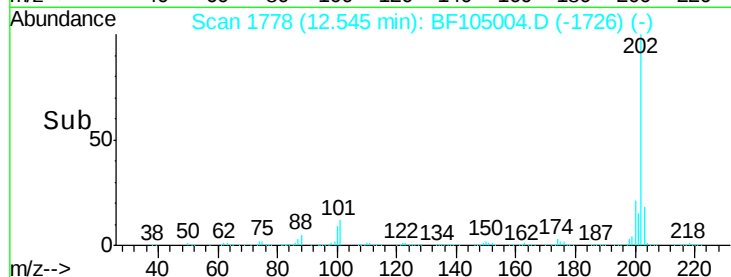
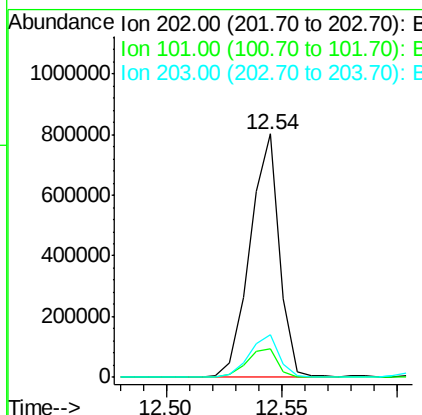
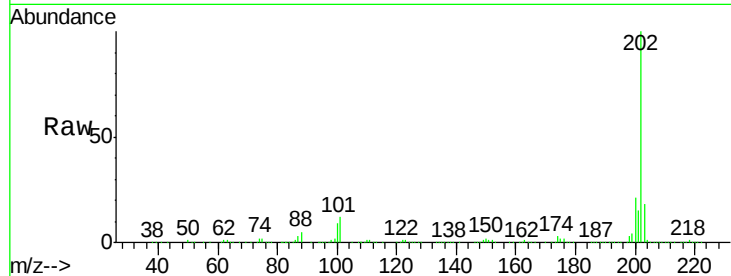
#74
 Fluoranthene
 Concen: 27.980 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. 0.01 min
 Lab File: BF105004.D
 Acq: 2 May 2018 2:00

Instrument :
 BNA_F
 ClientSampled :
 T-14 1.0-1.5

Tgt Ion:	202	Resp:	711970
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	34.1
203	17.7	0.0	38.1

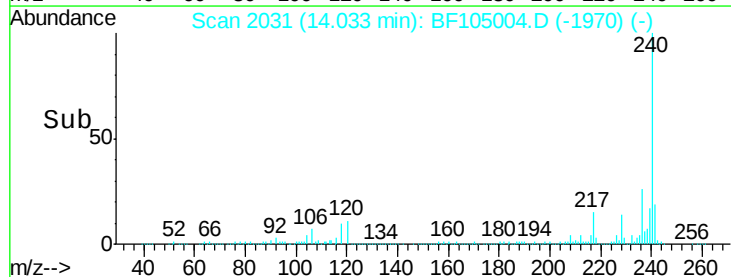
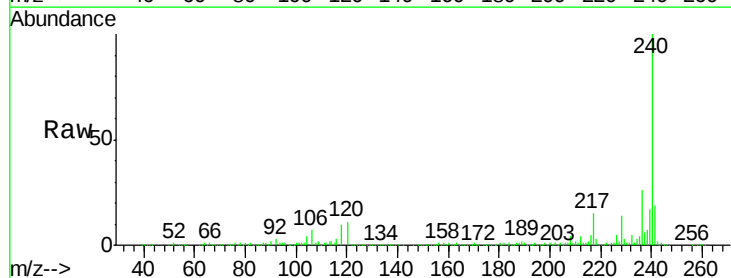
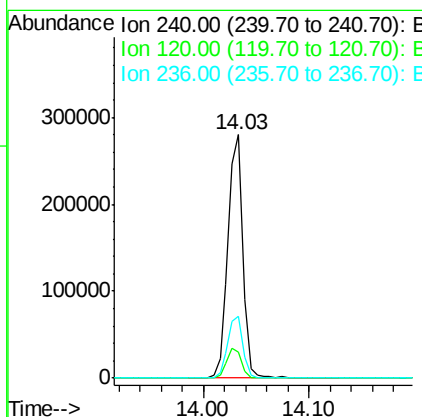
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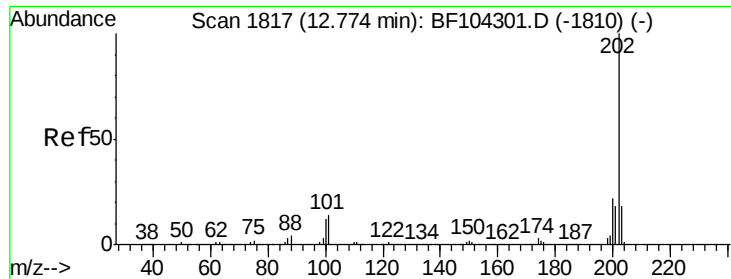
Sohil
 5/2/2018 4:22:09 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.06 min
 Lab File: BF105004.D
 Acq: 2 May 2018 2:00

Tgt Ion:	240	Resp:	273627
Ion Ratio	Lower	Upper	
240	100		
120	10.8	9.5	14.3
236	25.7	20.7	31.1





#77

Pyrene

Concen: 30.985 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF105004.D

Acq: 2 May 2018 2:00

Instrument :

BNA_F

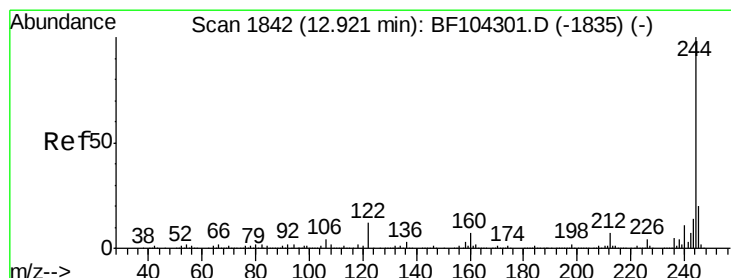
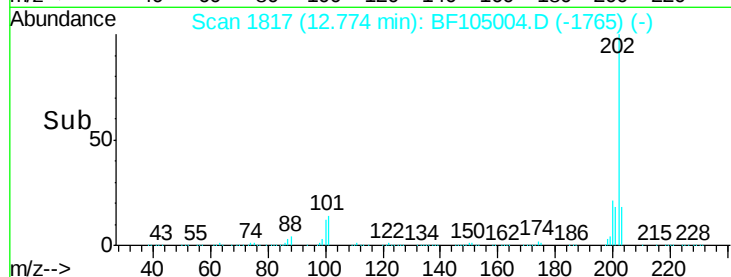
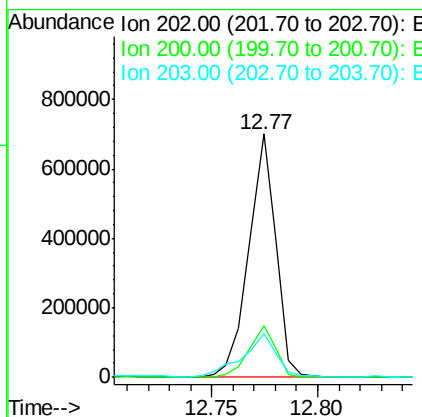
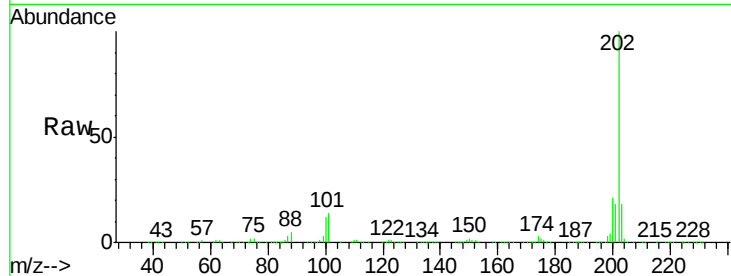
ClientSampleId :

T-14 1.0-1.5

Tgt Ion:	202	Resp:	628453
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.9	14.3	21.5

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#78

Terphenyl-d14

Concen: 57.825 ng

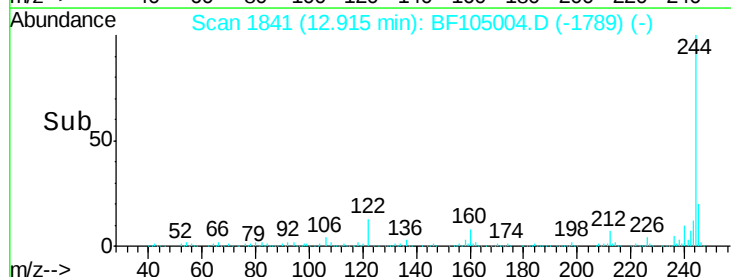
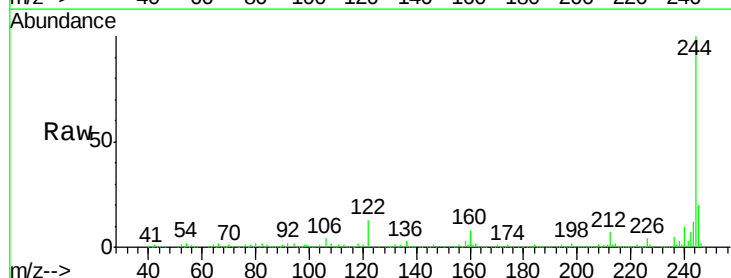
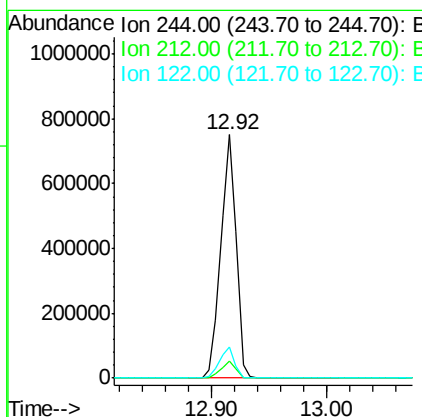
RT: 12.92 min Scan# 1841

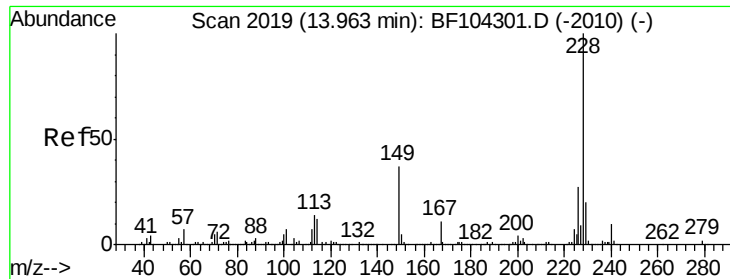
Delta R.T. 0.01 min

Lab File: BF105004.D

Acq: 2 May 2018 2:00

Tgt Ion:	244	Resp:	694023
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	12.7	11.0	16.4





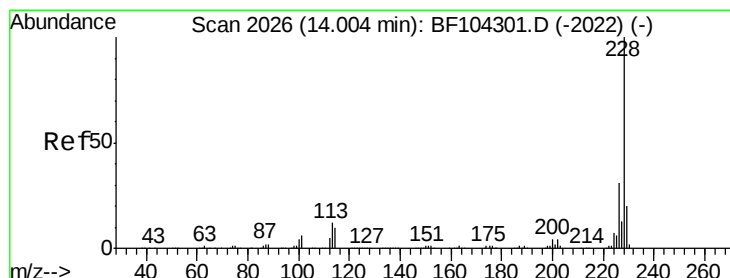
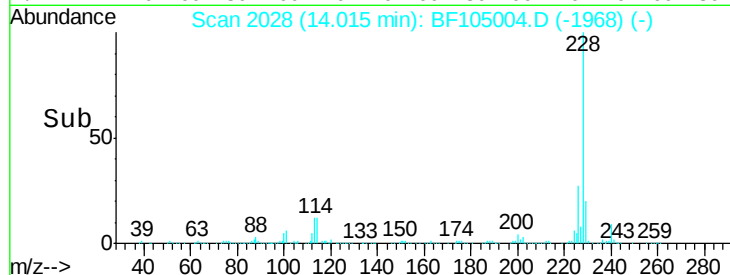
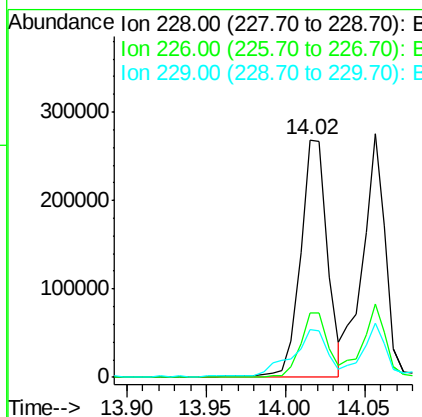
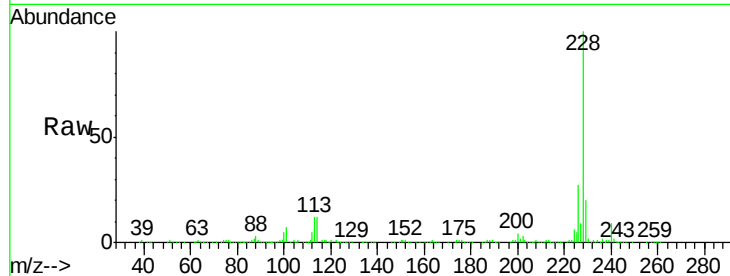
#80
Benzo(a)anthracene
Concen: 19.165 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.05 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	20.2	15.8	23.6

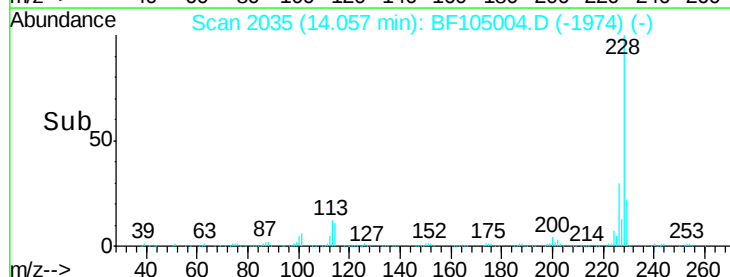
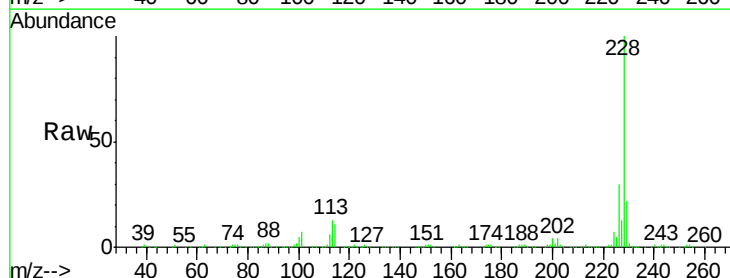
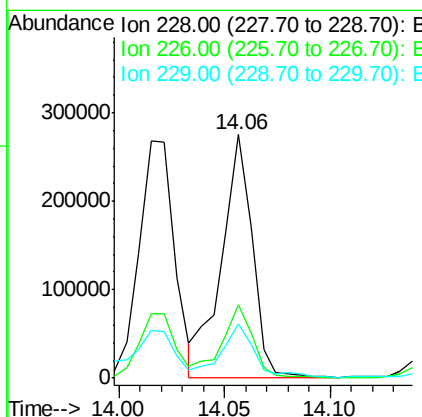
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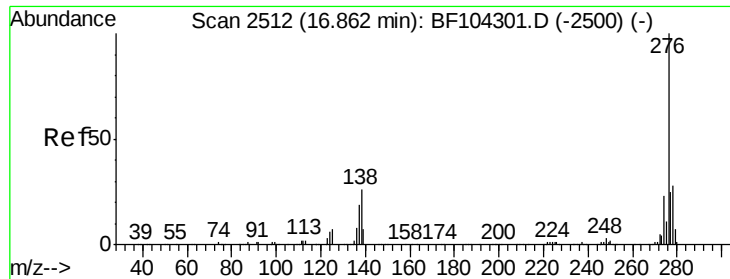
Sohil
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#82
Chrysene
Concen: 16.486 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.06 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.3	16.2	24.4





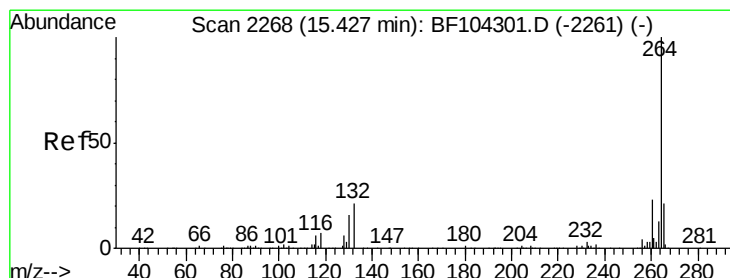
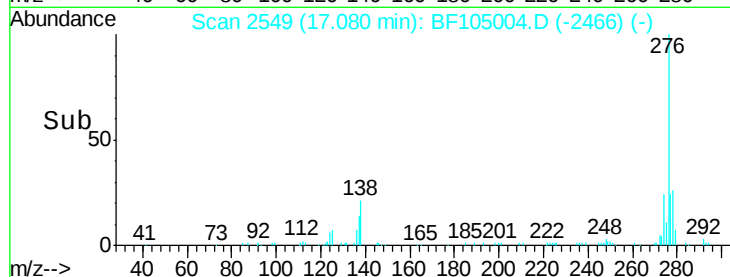
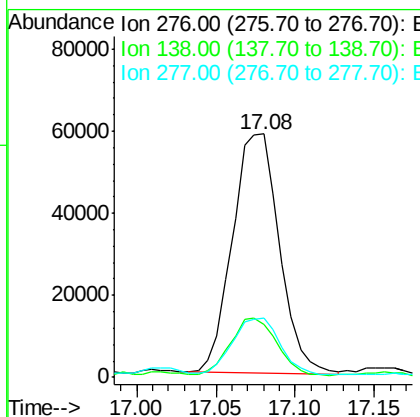
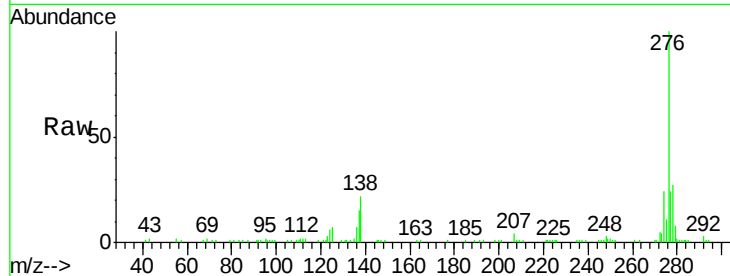
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.427 ng
 RT: 17.08 min Scan# 2549
 Delta R.T. 0.19 min
 Lab File: BF105004.D
 Acq: 2 May 2018 2:00

Instrument :
 BNA_F
 ClientSampleId :
 T-14 1.0-1.5

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	120191		
138	25.8	25.0	37.6	
277	23.4	20.1	30.1	

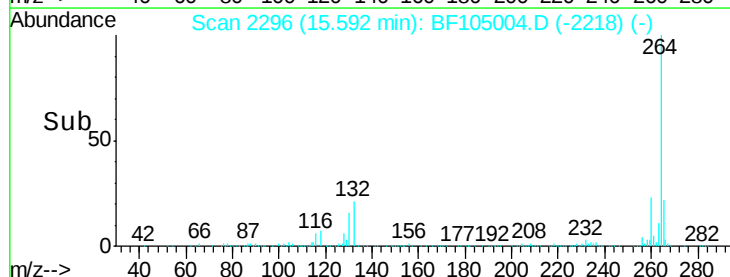
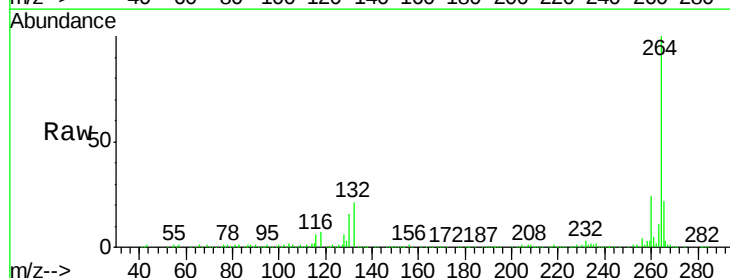
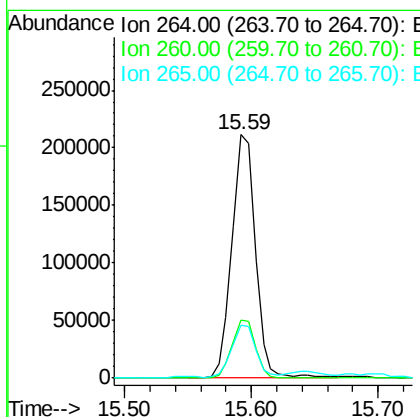
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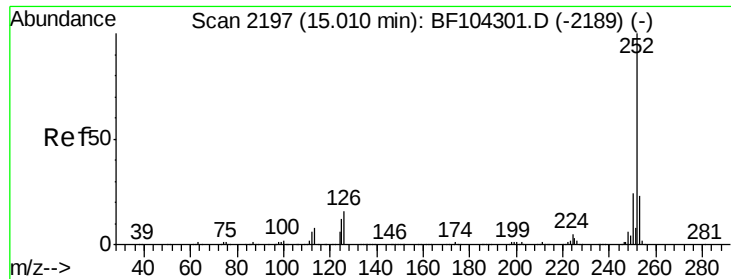
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.59 min Scan# 2296
 Delta R.T. 0.16 min
 Lab File: BF105004.D
 Acq: 2 May 2018 2:00

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	269254		
260	23.8	19.2	28.8	
265	21.8	17.5	26.3	





#87

Benzo(b)fluoranthene

Concen: 19.647 ng m

RT: 15.16 min Scan# 2223

Delta R.T. 0.15 min

Lab File: BF105004.D

Acq: 2 May 2018 2:00

Instrument :

BNA_F

ClientSampleId :

T-14 1.0-1.5

Tgt Ion:252 Resp: 334108
Ion Ratio Lower Upper

252 100

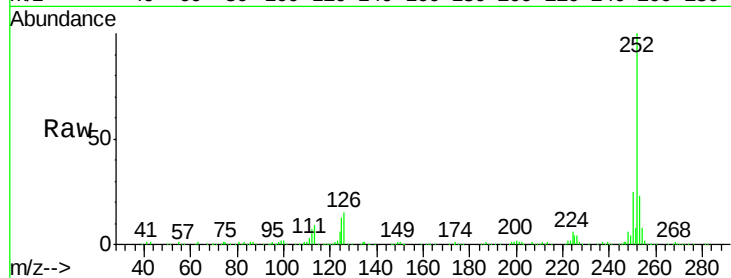
253 22.5 17.0 25.6

125 12.7 9.0 13.6

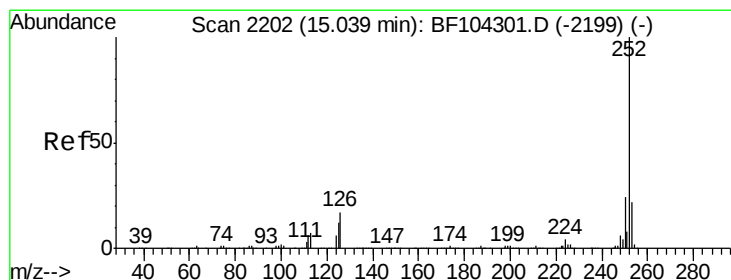
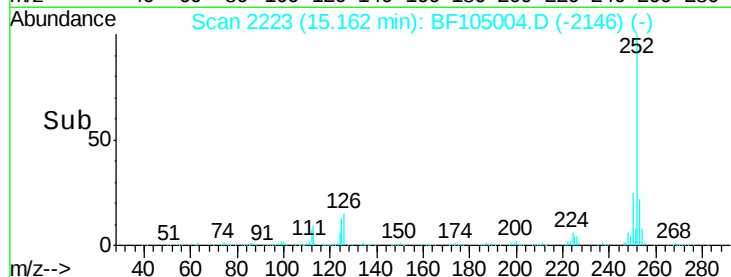
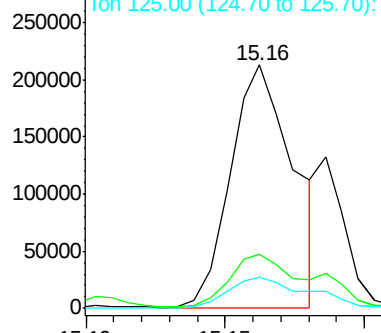
Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.744 ng m

RT: 15.19 min Scan# 2227

Delta R.T. 0.15 min

Lab File: BF105004.D

Acq: 2 May 2018 2:00

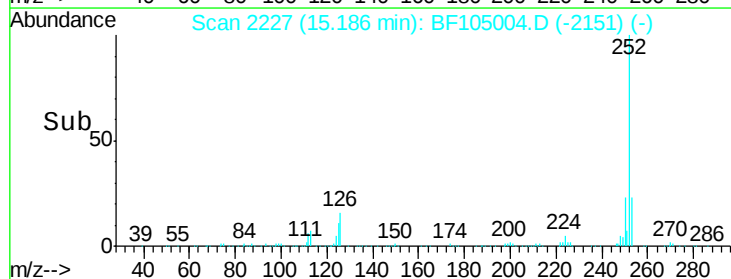
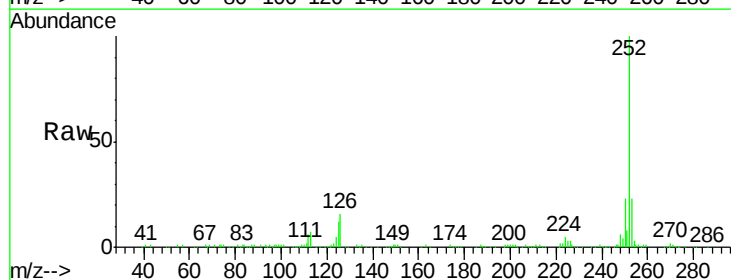
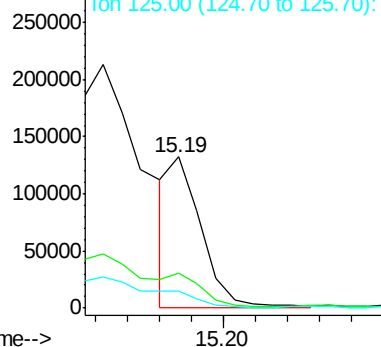
Tgt Ion:252 Resp: 92216
Ion Ratio Lower Upper

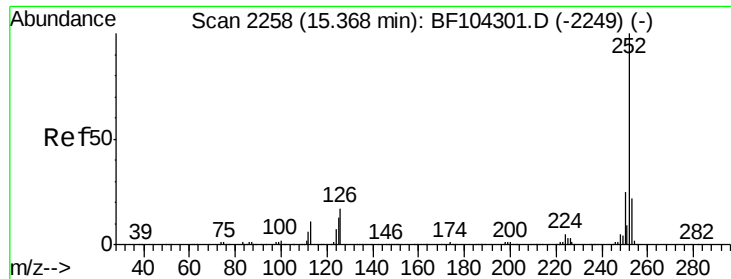
252 100

253 23.5 17.9 26.9

125 11.5 10.2 15.2

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





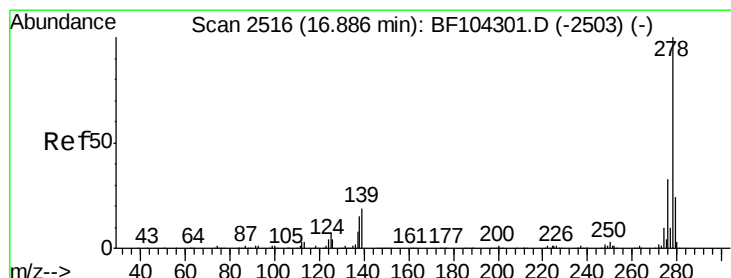
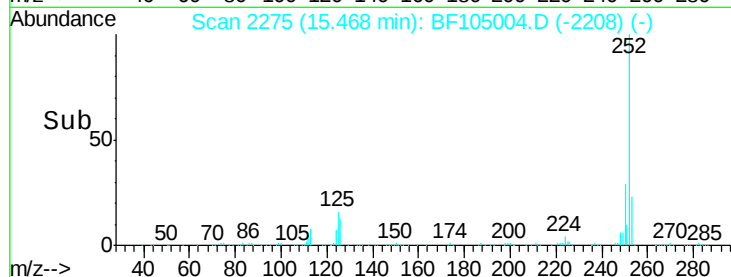
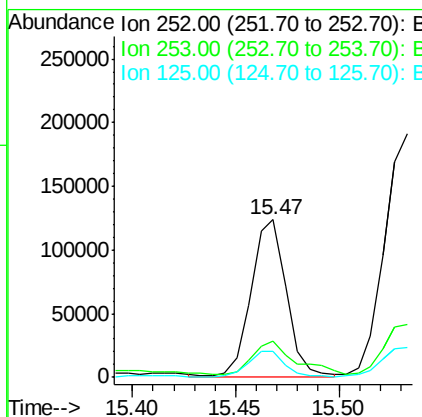
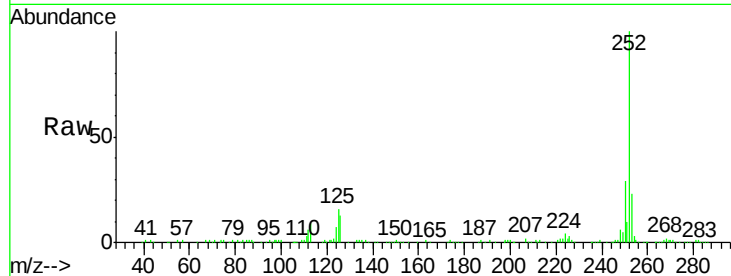
#89
Benzo(a)pyrene
Concen: 9.786 ng m
RT: 15.47 min Scan# 2275
Delta R.T. 0.09 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Instrument :
BNA_F
ClientSampleId :
T-14 1.0-1.5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	16.2	9.8	14.6

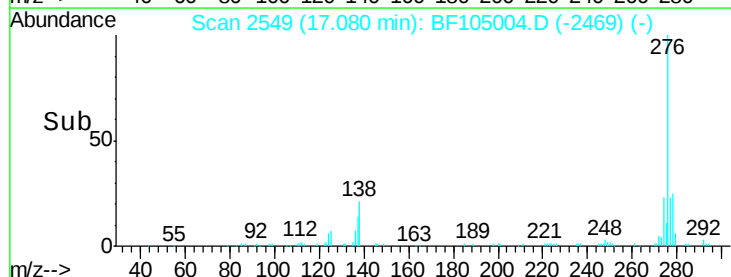
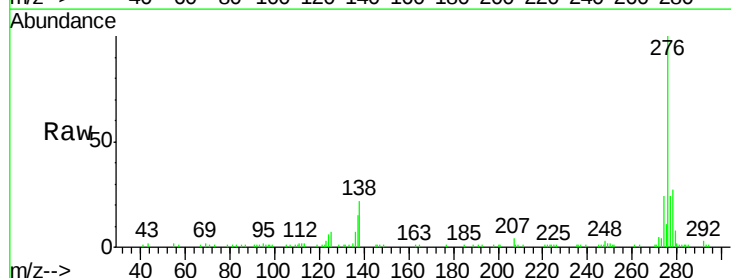
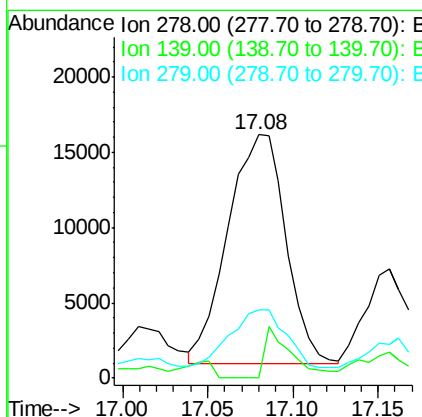
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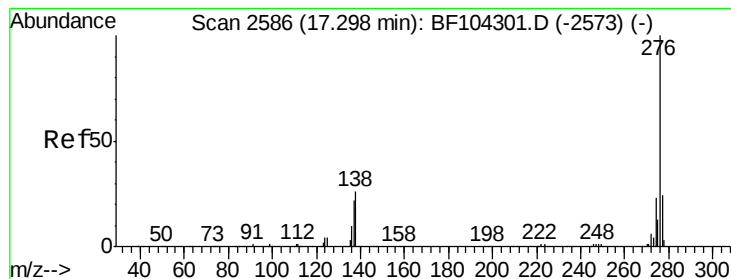
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.895 ng m
RT: 17.08 min Scan# 2549
Delta R.T. 0.17 min
Lab File: BF105004.D
Acq: 2 May 2018 2:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	27.9	19.0	28.4





#91

Benzo(g,h,i)perylene

Concen: 8.763 ng

RT: 17.52 min Scan# 2624

Delta R.T. 0.18 min

Lab File: BF105004.D

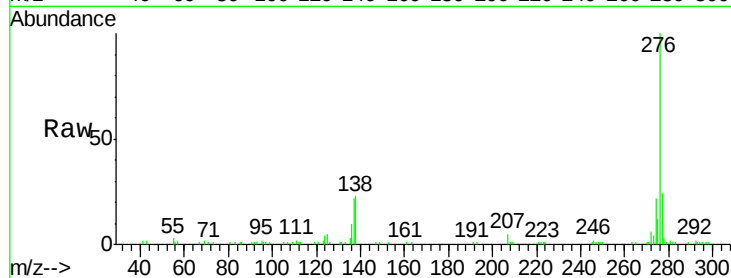
Acq: 2 May 2018 2:00

Instrument :

BNA_F

ClientSampleId :

T-14 1.0-1.5



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	23.0	21.8	32.8

Manual Integrations
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