

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104860.D
 Acq On : 27 Apr 2018 4:17
 Operator : JU/SJ
 Sample : J2520-05 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7 2.0-2.5

Manual Integrations
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 4/27/2018 6:59:22 PM

Quant Time: Apr 27 13:05:05 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	95373	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	364961	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	140641	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	216484	20.00	ng	0.00
75) Chrysene-d12	13.98	240	216105	20.00	ng	0.00
86) Perylene-d12	15.44	264	163636	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	49449	7.93	ng	0.00
7) Phenol-d6	6.44	99	61802	8.06	ng	0.00
23) Nitrobenzene-d5	7.36	82	33752	6.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	9220	6.32	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	61042	6.86	ng	0.00
78) Terphenyl-d14	12.92	244	49903	5.26	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	11.35	178	261886	21.723	ng	98
71) Anthracene	11.40	178	56533	4.613	ng	98
72) Carbazole	11.57	167	25825	2.157	ng	96
74) Fluoranthene	12.54	202	360525	28.622	ng	98
77) Pyrene	12.77	202	318589	19.889	ng	99
80) Benzo(a)anthracene	13.97	228	178465	13.823	ng	99
82) Chrysene	14.00	228	148865	11.226	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	46971	4.170	ng	94
87) Benzo(b)fluoranthene	15.02	252	161060m	15.584	ng	
88) Benzo(k)fluoranthene	15.04	252	42328m	4.338	ng	
89) Benzo(a)pyrene	15.38	252	97952	10.593	ng	98
91) Benzo(a,h,i)perylene	17.35	276	43624	5.929	ng	94

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

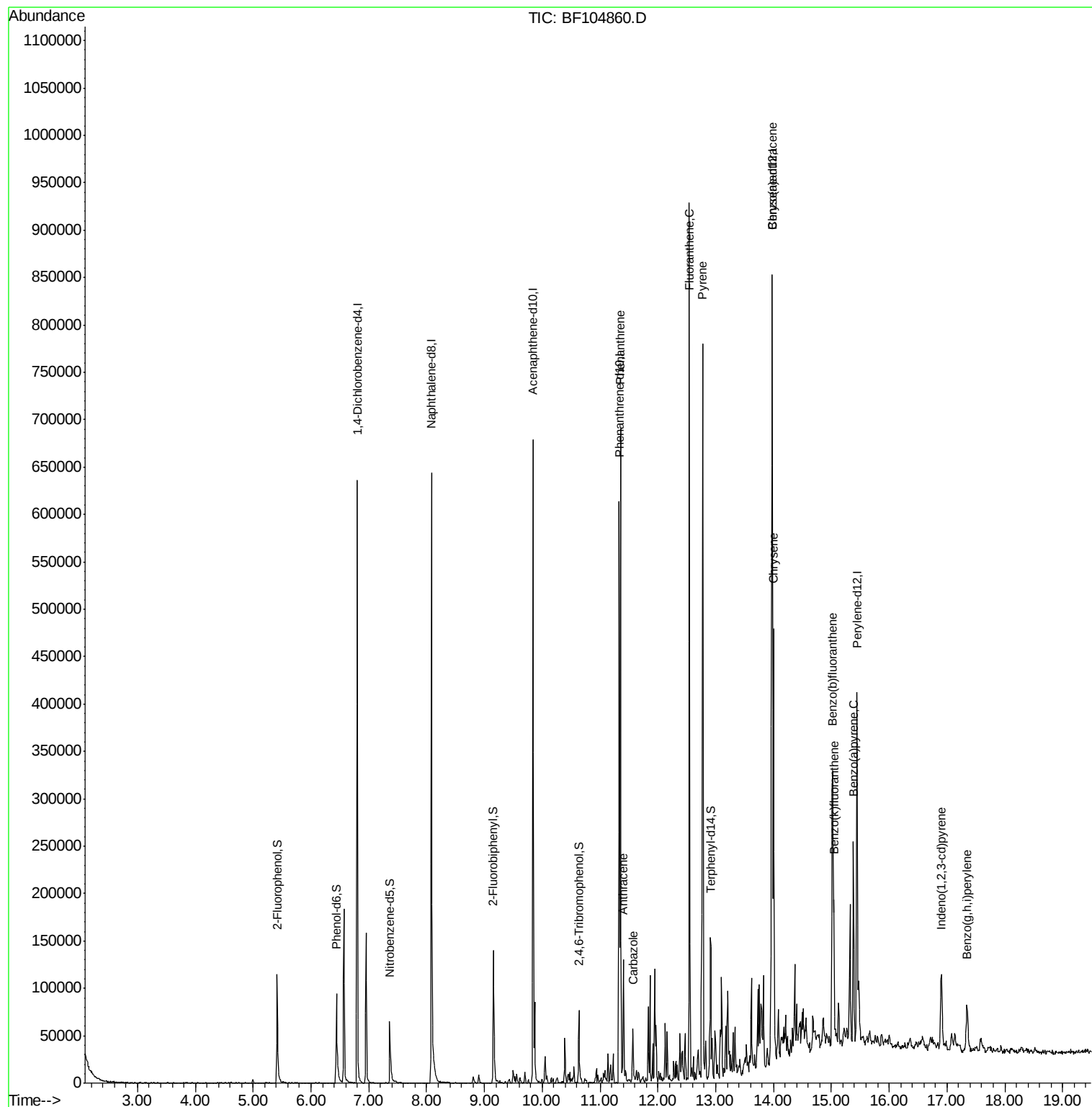
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
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ALS Vial : 29 Sample Multiplier: 1

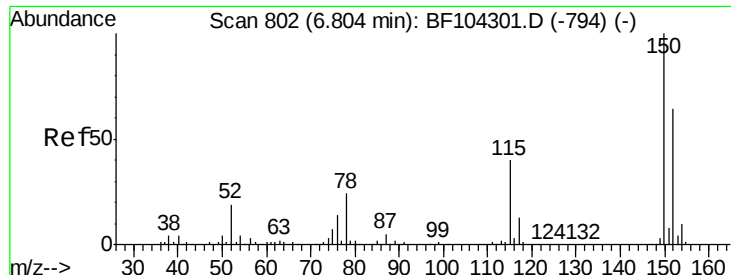
Instrument :
BNA_F
ClientSampleId :
TP-7 2.0-2.5

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
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#1

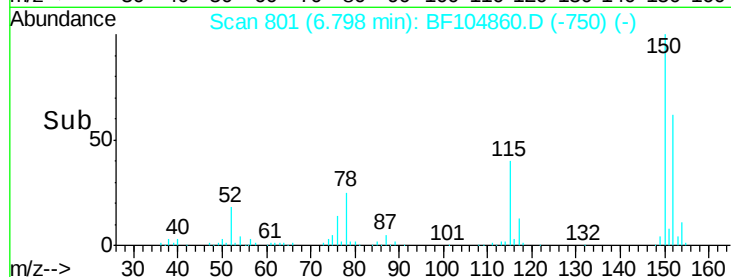
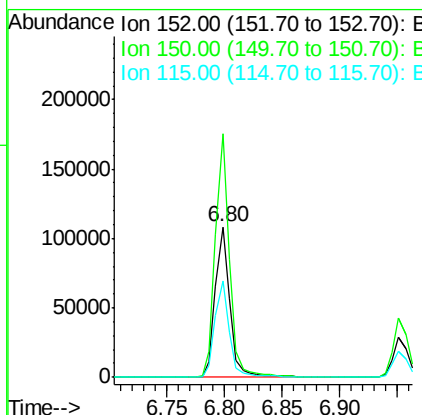
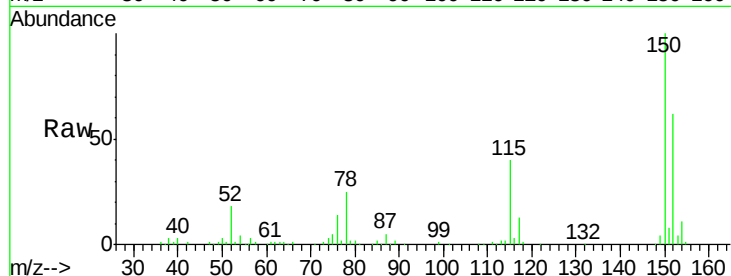
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Instrument :
BNA_F
ClientSampleId :
TP-7 2.0-2.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	124.6	186.8
115	64.0	50.1	75.1

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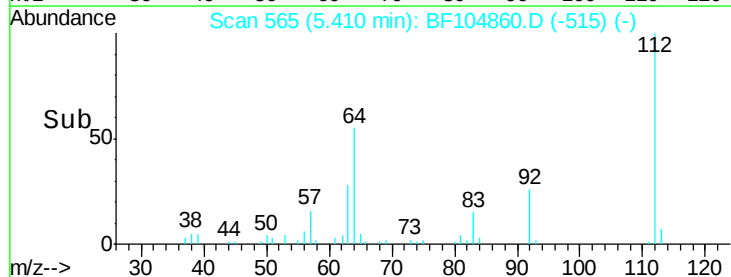
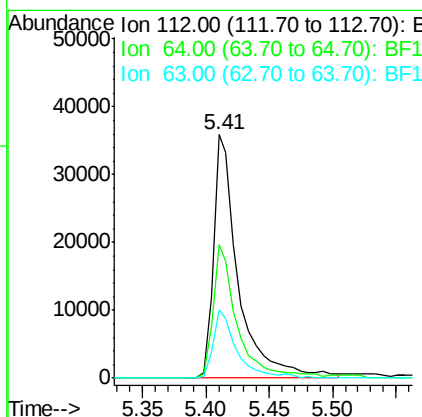
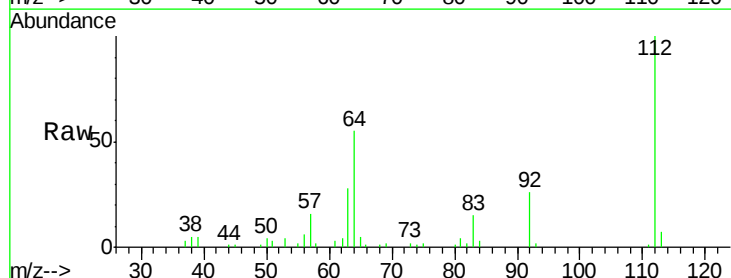
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#5

2-Fluorophenol
Concen: 7.928 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	47.9	71.9
63	27.8	23.7	35.5





#7

Phenol-d6

Concen: 8.064 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104860.D

Acq: 27 Apr 2018 4:17

Instrument :

BNA_F

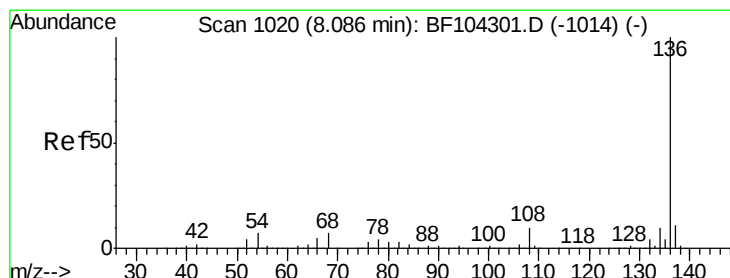
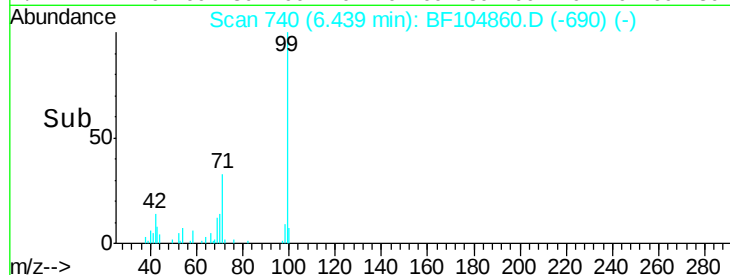
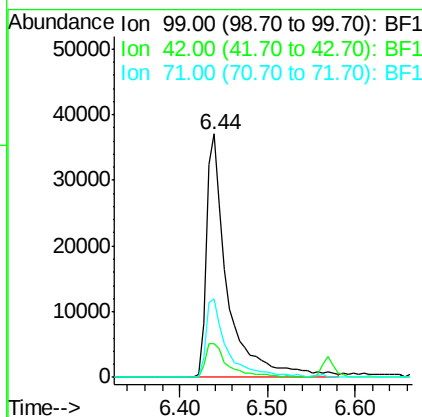
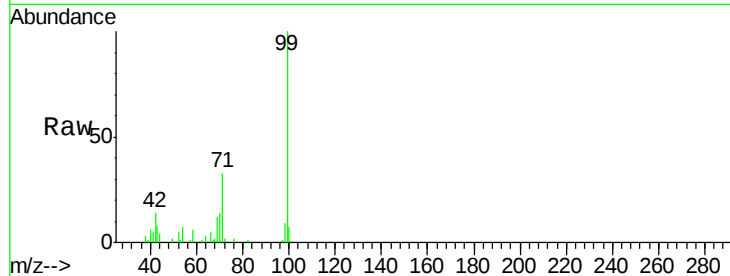
ClientSampled :

TP-7 2.0-2.5

Tot Ion:	99	Resp:	61802
Ion Ratio	Lower	Upper	
99	100		
42	13.8	14.5	21.7#
71	32.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

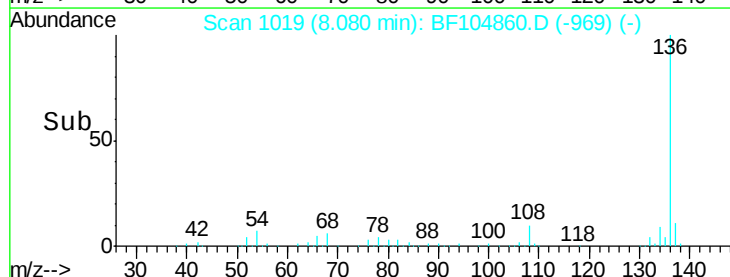
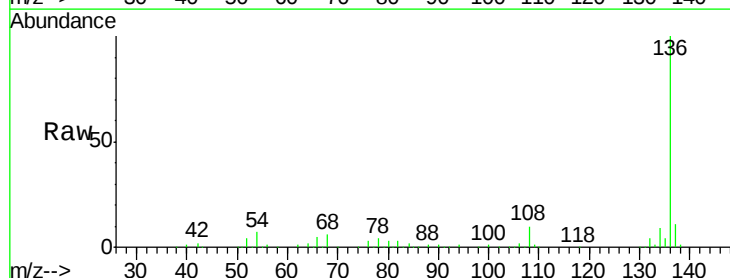
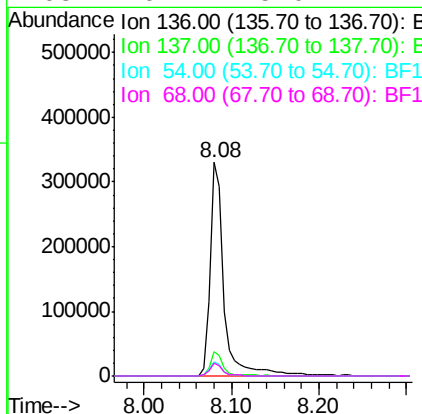
RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104860.D

Acq: 27 Apr 2018 4:17

Tgt Ion:	136	Resp:	364961
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	6.6	6.6	9.8#
68	6.2	5.0	7.4





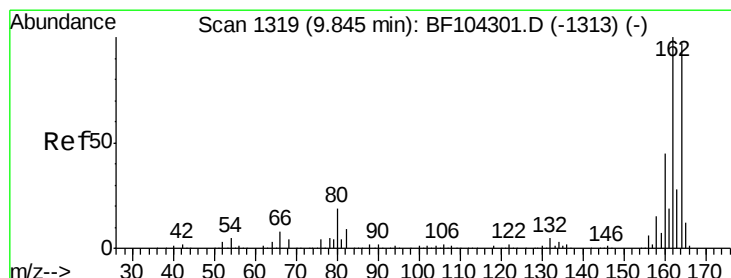
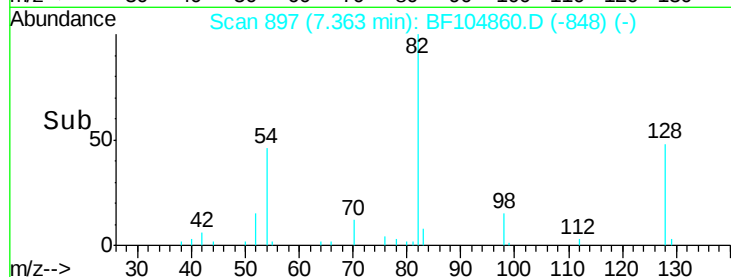
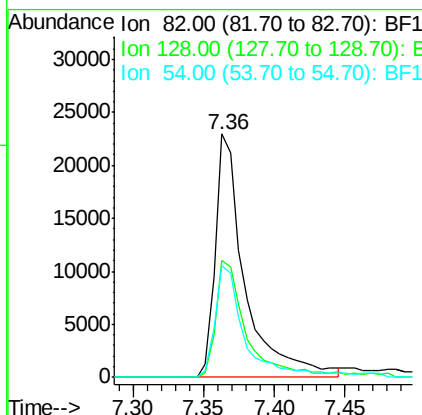
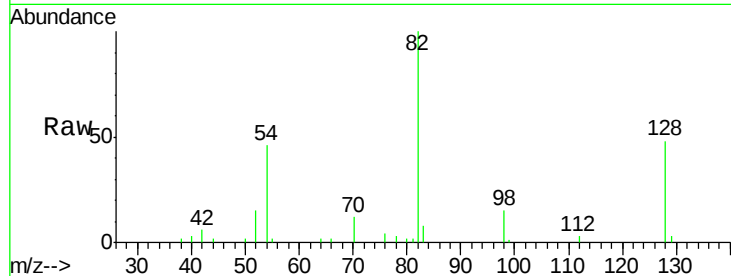
#23
 Nitrobenzene-d5
 Concen: 6.039 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF104860.D
 Acq: 27 Apr 2018 4:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-7 2.0-2.5

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.1	36.1	54.1
54	45.8	41.4	62.2

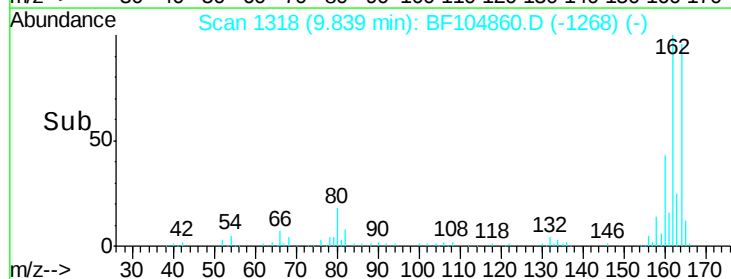
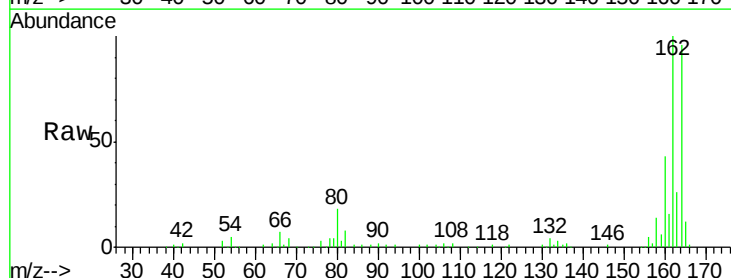
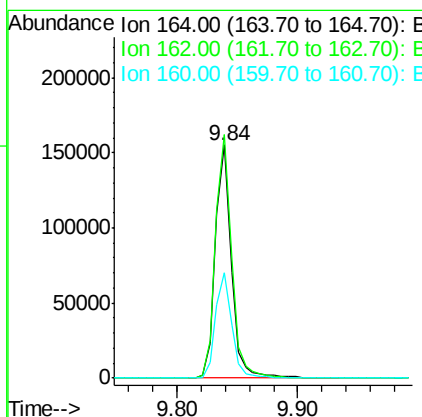
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104860.D
 Acq: 27 Apr 2018 4:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	45.4	38.3	57.5





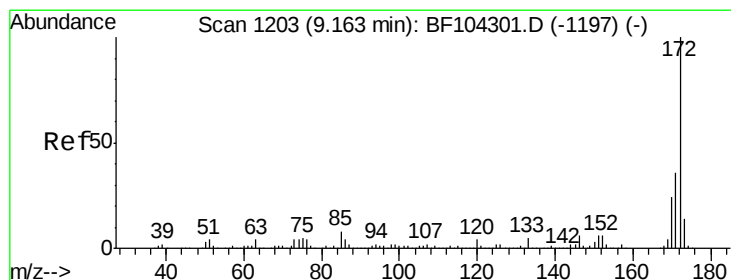
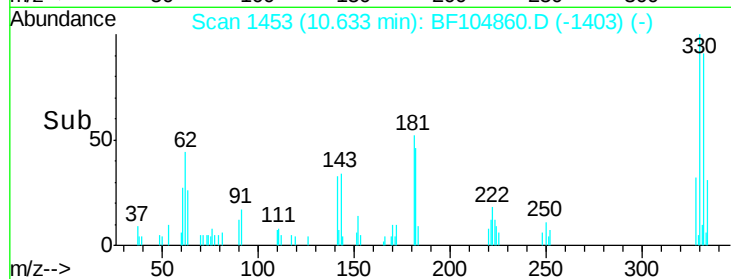
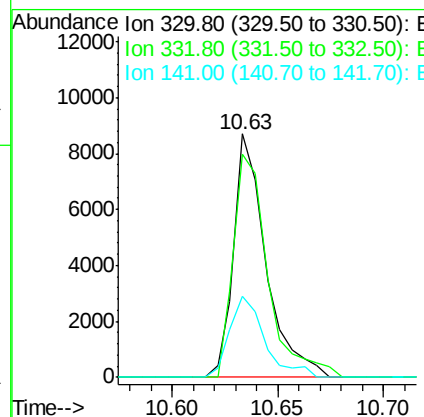
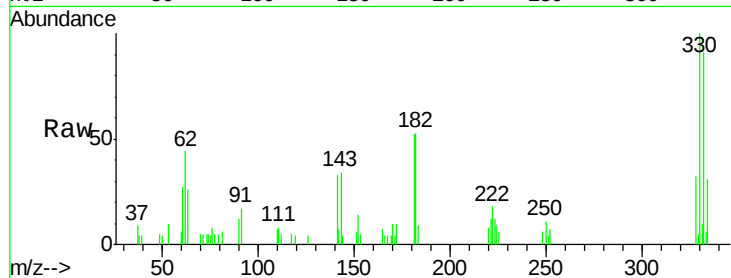
#41
 2,4,6-Tribromophenol
 Concen: 6.320 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104860.D
 Acq: 27 Apr 2018 4:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-7 2.0-2.5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	9220		
332	97.9		77.0	115.6
141	36.0		29.9	44.9

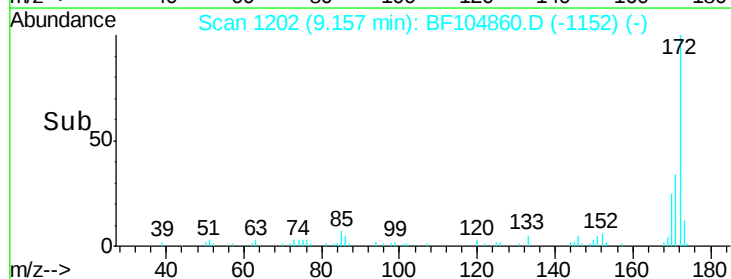
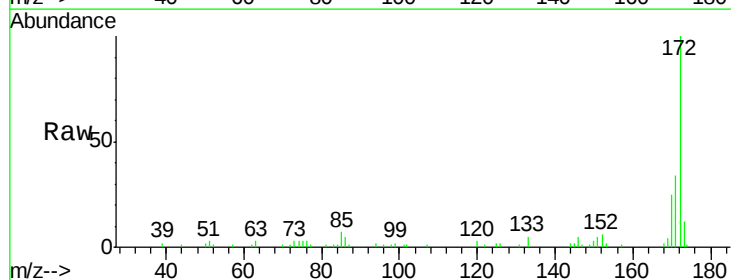
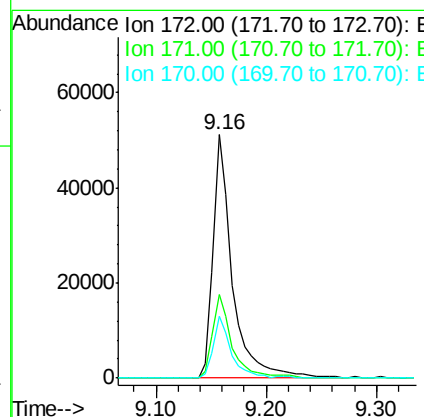
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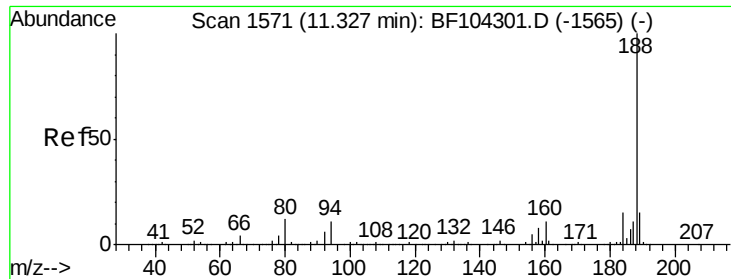
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#44
 2-Fluorobiphenyl
 Concen: 6.857 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104860.D
 Acq: 27 Apr 2018 4:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	61042		
171	34.4		29.7	44.5
170	25.3		19.6	29.4





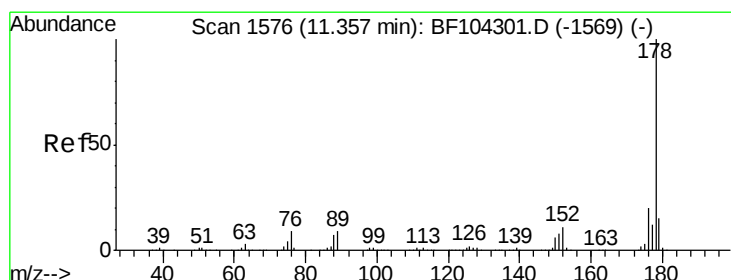
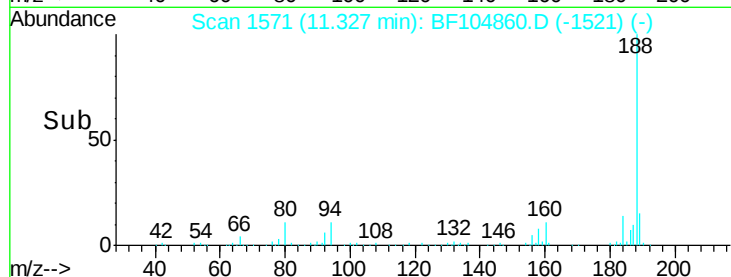
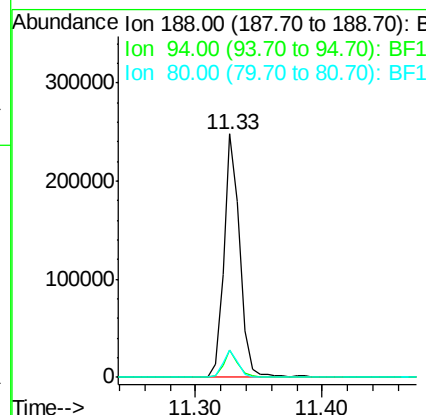
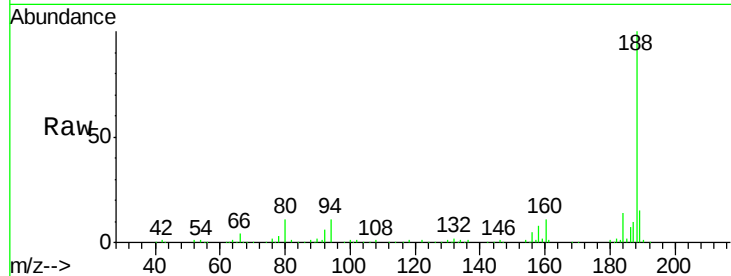
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Instrument :
BNA_F
ClientSampleId :
TP-7 2.0-2.5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	216484		
94	11.0		8.5	12.7
80	11.5		9.2	13.8

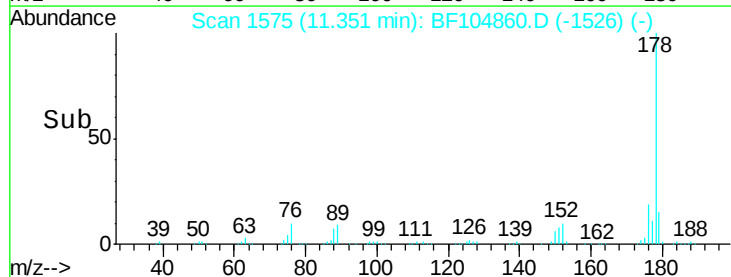
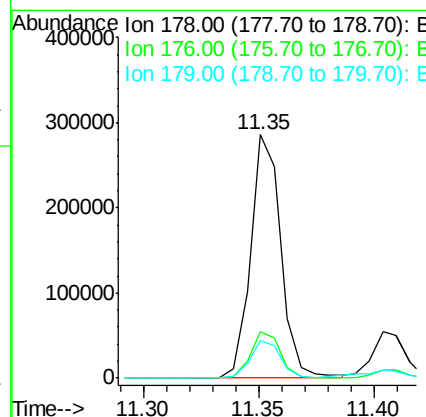
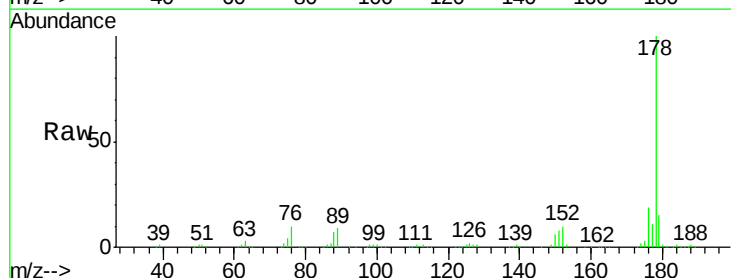
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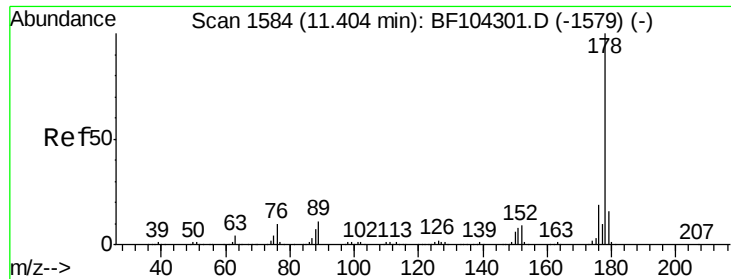
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#70
Phenanthrene
Concen: 21.723 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	261886		
176	19.2		15.8	23.8
179	15.3		13.0	19.6





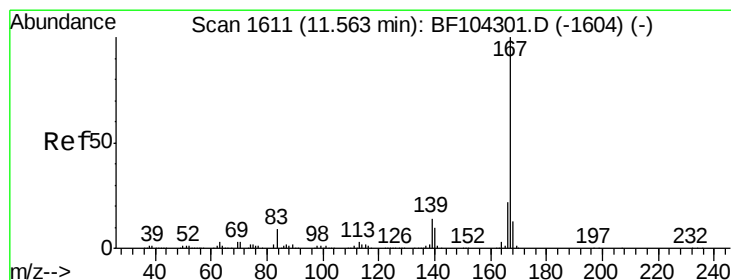
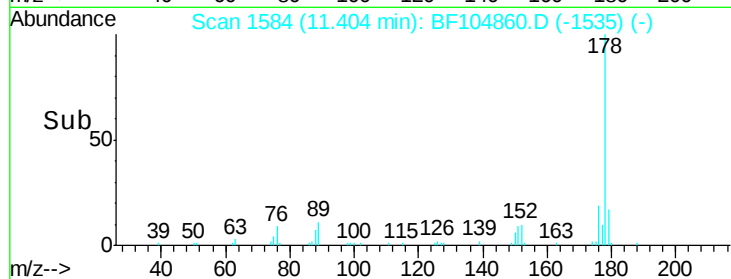
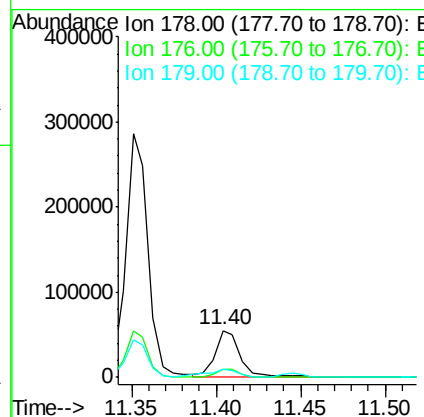
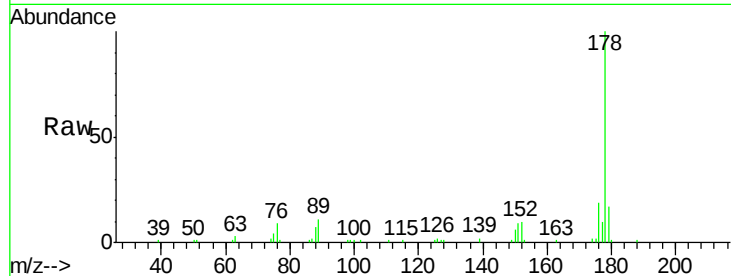
#71
 Anthracene
 Concen: 4.613 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104860.D
 Acq: 27 Apr 2018 4:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-7 2.0-2.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	16.9	12.6	19.0

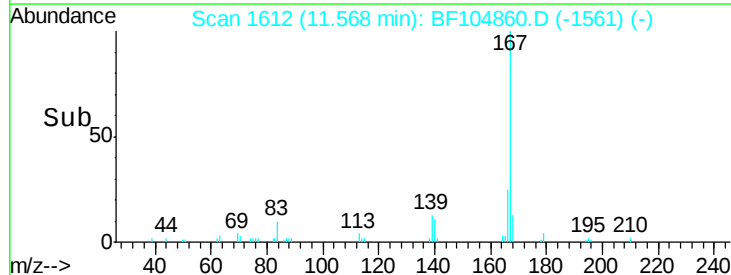
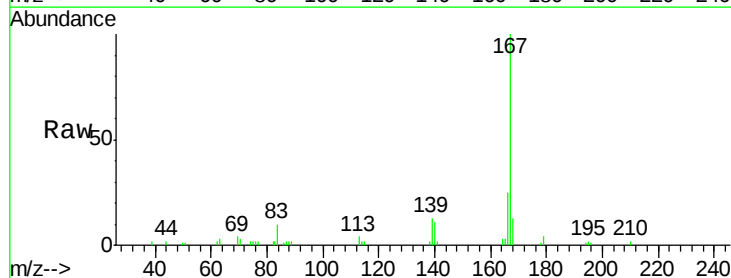
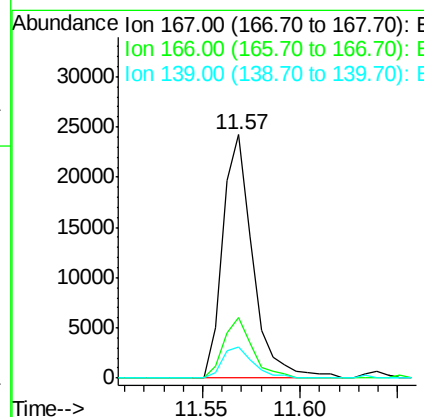
Manual Integrations
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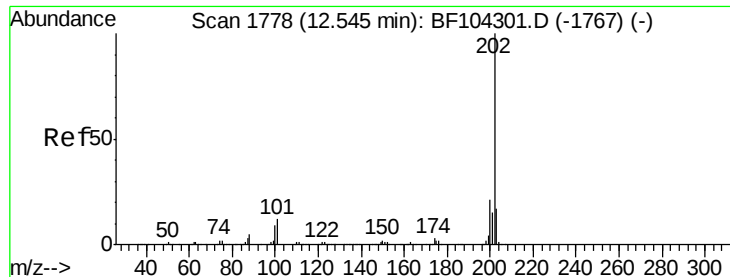
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#72
 Carbazole
 Concen: 2.157 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: BF104860.D
 Acq: 27 Apr 2018 4:17

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.7	17.6	26.4
139	12.6	10.9	16.3





#74

Fluoranthene

Concen: 28.622 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104860.D

Acq: 27 Apr 2018 4:17

Instrument :

BNA_F

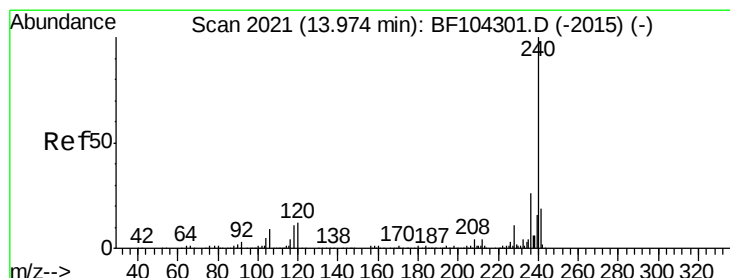
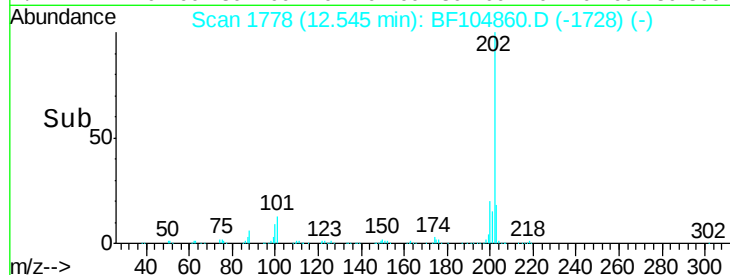
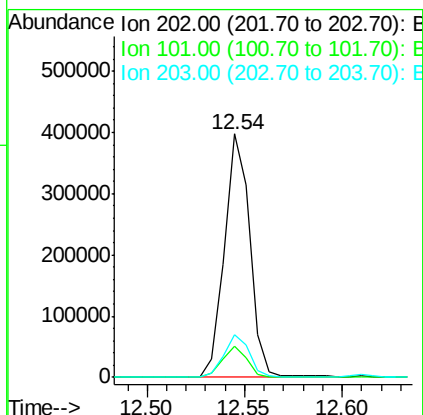
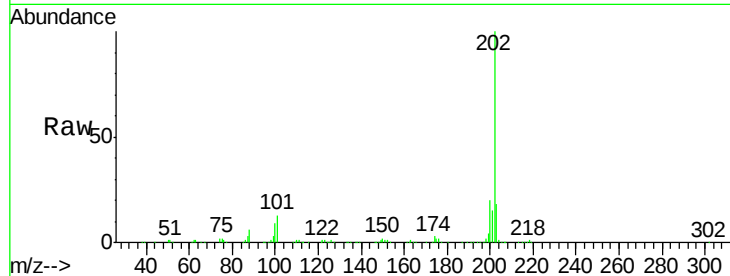
ClientSampled :

TP-7 2.0-2.5

Tot Ion:	202	Resp:	360525
Ion Ratio		Lower	Upper
202	100		
101	12.8	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

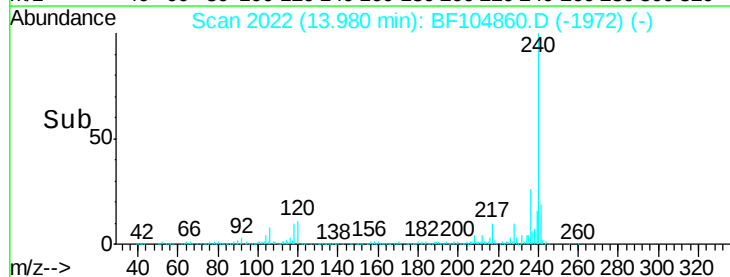
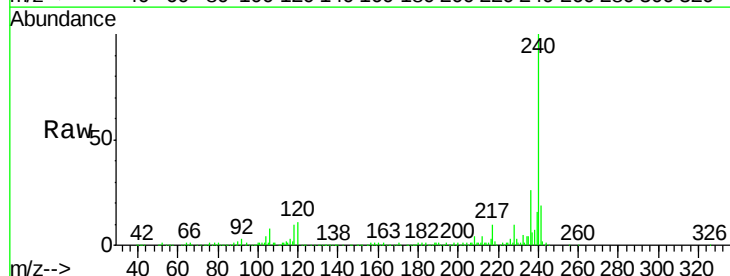
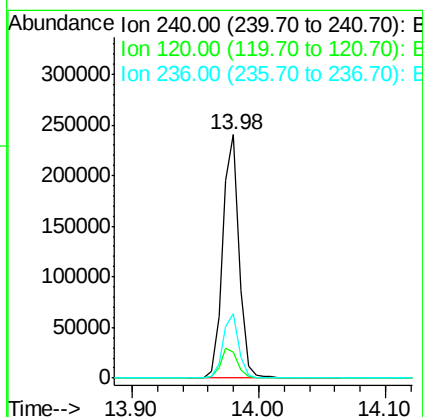
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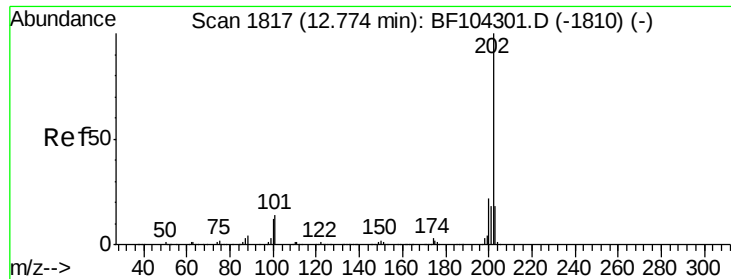
Delta R.T. -0.01 min

Lab File: BF104860.D

Acq: 27 Apr 2018 4:17

Tgt Ion:	240	Resp:	216105
Ion Ratio		Lower	Upper
240	100		
120	10.9	9.5	14.3
236	26.4	20.7	31.1





#77

Pvrene

Concen: 19.889 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104860.D

Acq: 27 Apr 2018 4:17

Instrument :

BNA_F

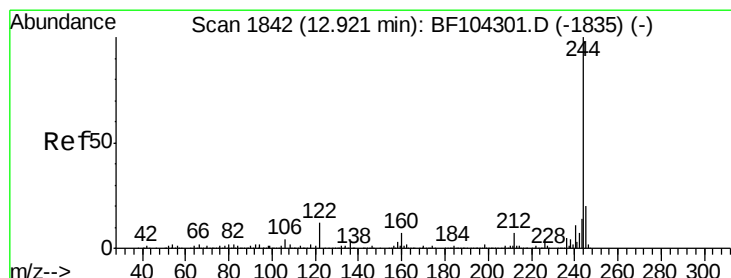
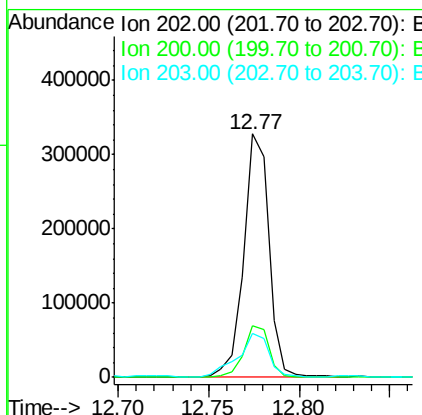
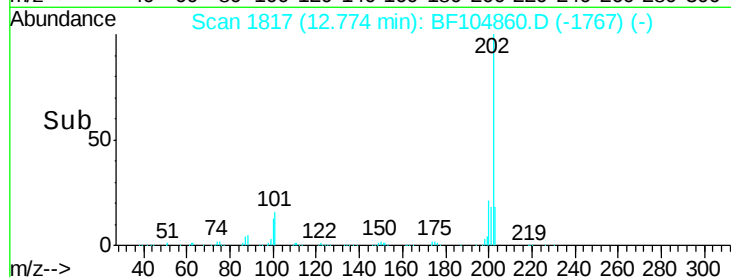
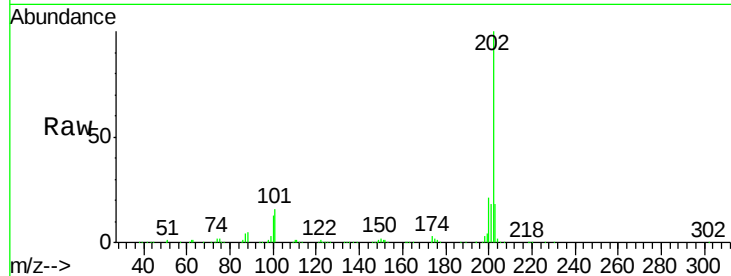
ClientSampleId :

TP-7 2.0-2.5

Tot Ion:	202	Resp:	318589
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	18.0	14.3	21.5

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#78

Terphenyl-d14

Concen: 5.265 ng

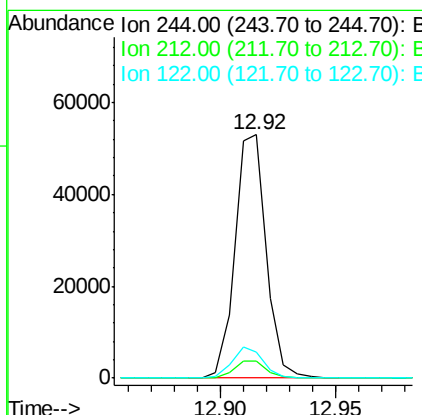
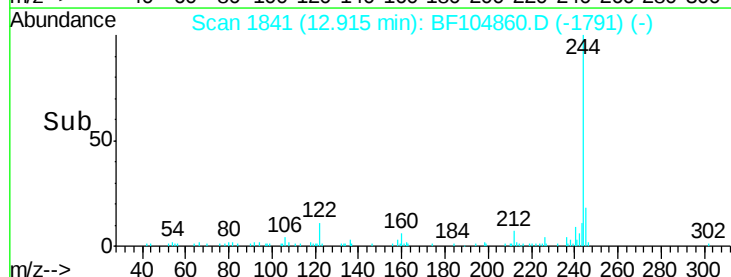
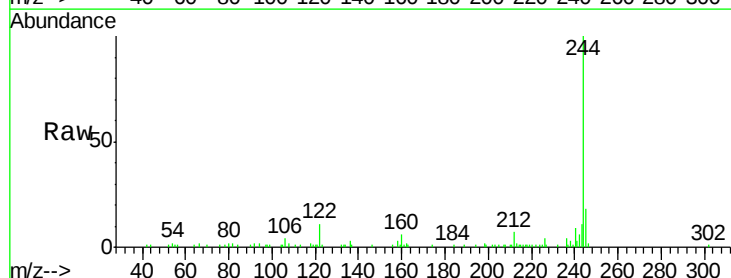
RT: 12.92 min Scan# 1841

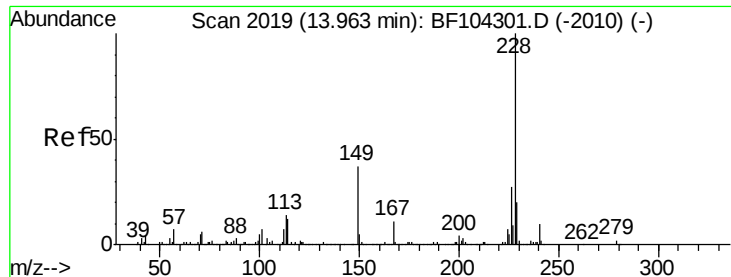
Delta R.T. -0.01 min

Lab File: BF104860.D

Acq: 27 Apr 2018 4:17

Tgt Ion:	244	Resp:	49903
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	10.9	11.0	16.4#





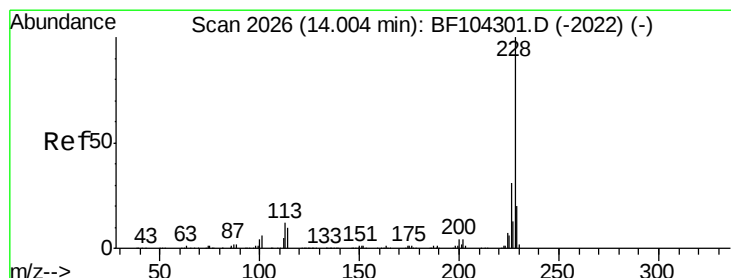
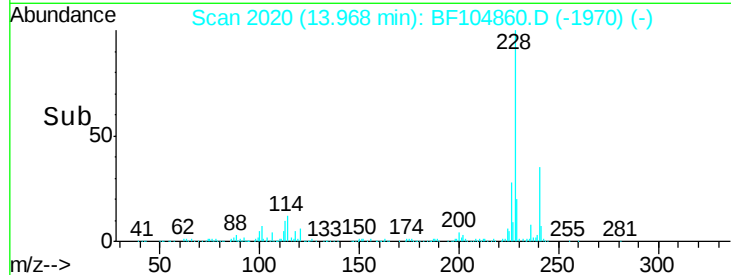
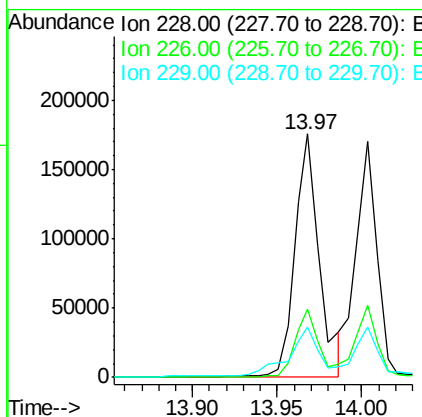
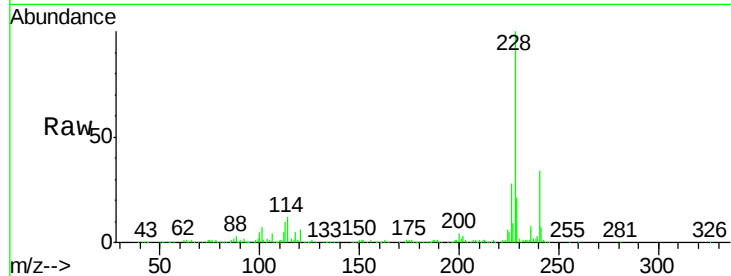
#80
Benzo(a)anthracene
Concen: 13.823 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Instrument :
BNA_F
ClientSampleId :
TP-7 2.0-2.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.6	15.8	23.6

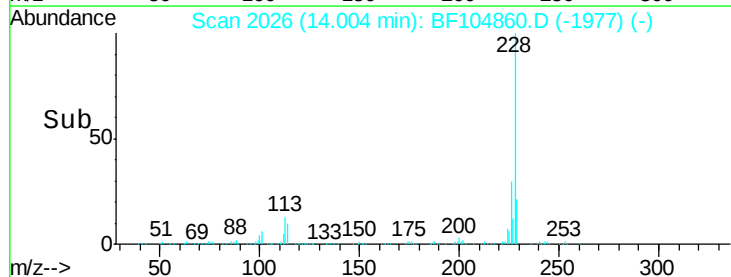
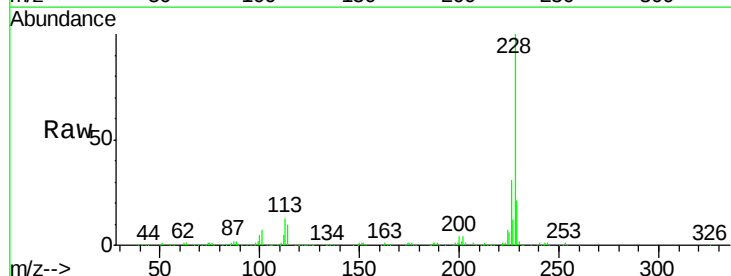
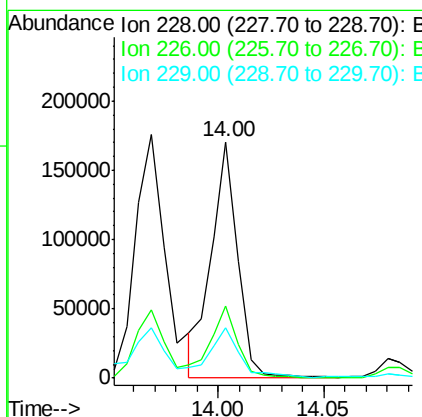
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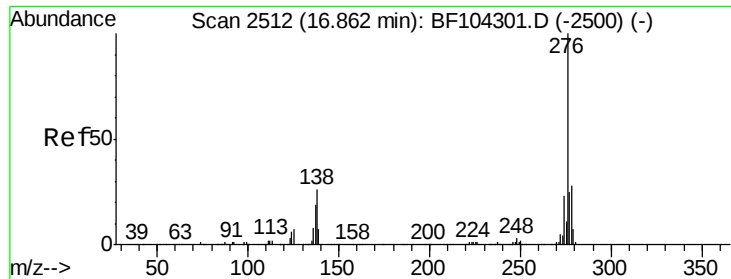
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#82
Chrysene
Concen: 11.226 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.2	16.2	24.4





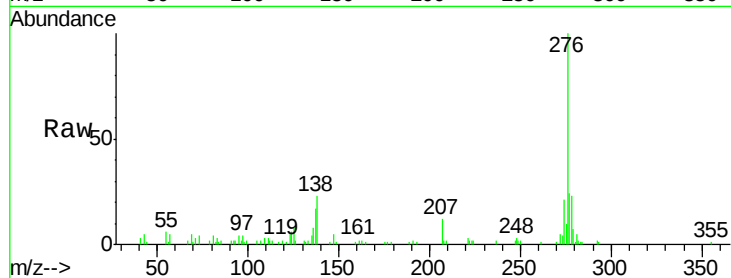
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.170 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.03 min
 Lab File: BF104860.D
 Acq: 27 Apr 2018 4:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-7 2.0-2.5

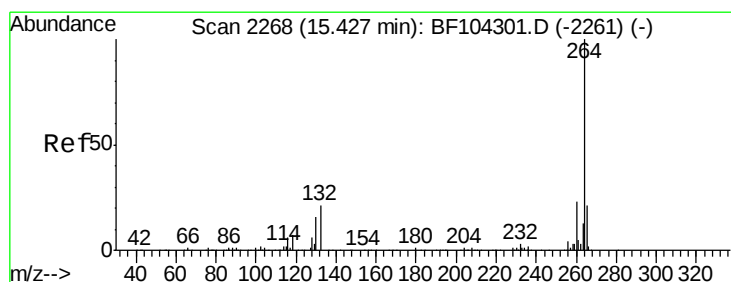
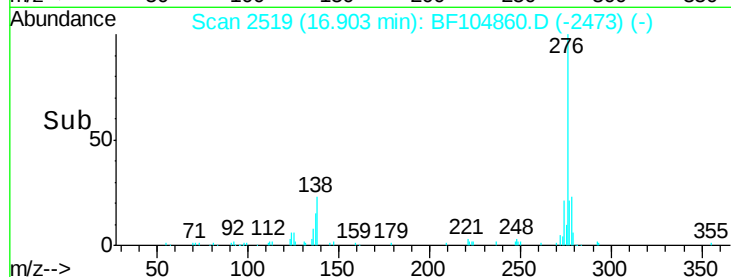
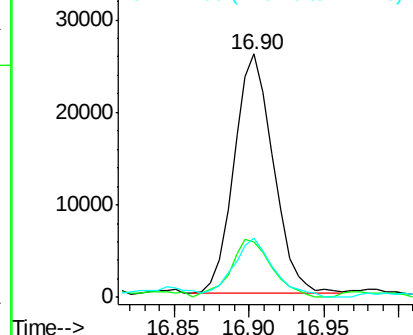
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.7	25.0	37.6
277	25.8	20.1	30.1

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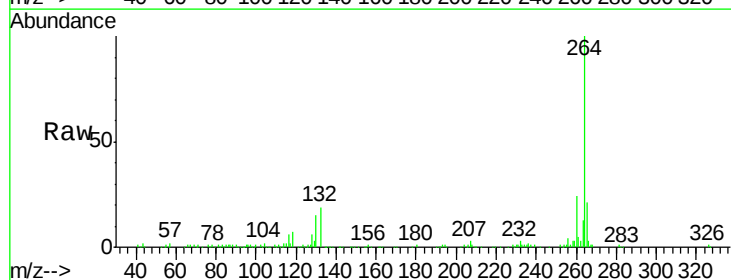


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

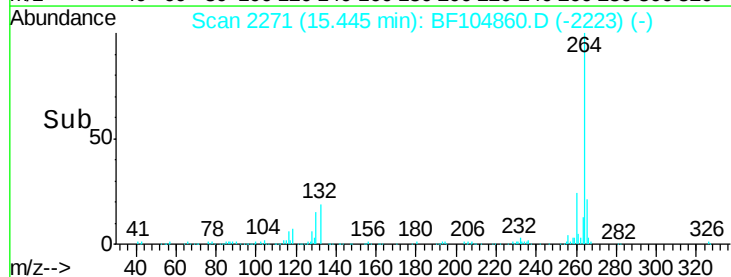
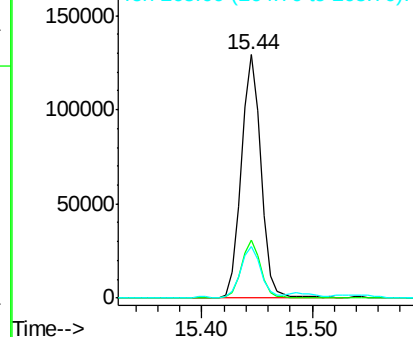


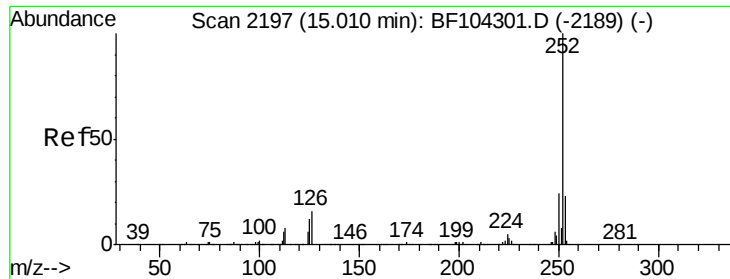
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF104860.D
 Acq: 27 Apr 2018 4:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.2	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





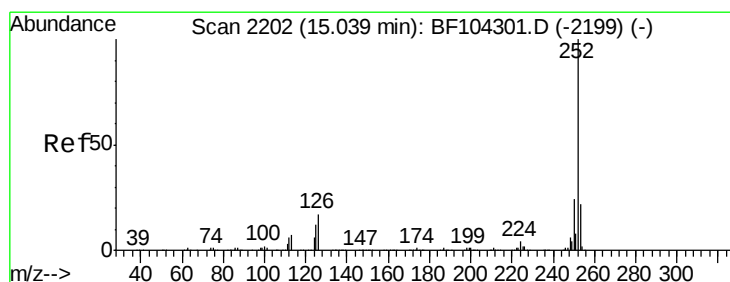
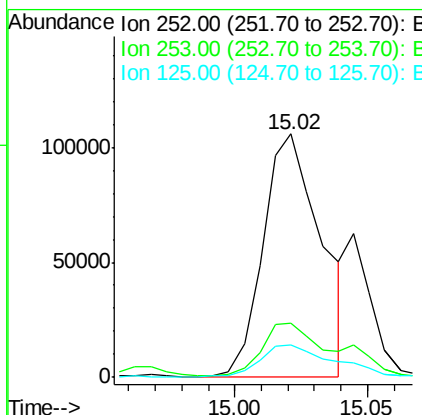
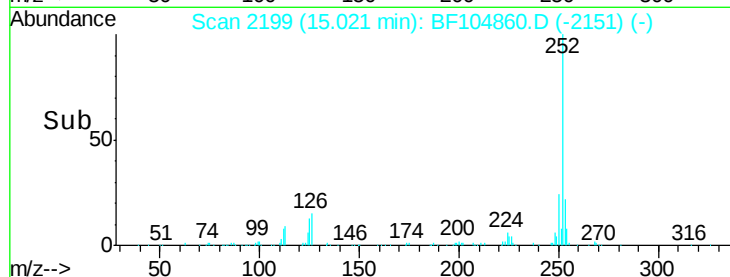
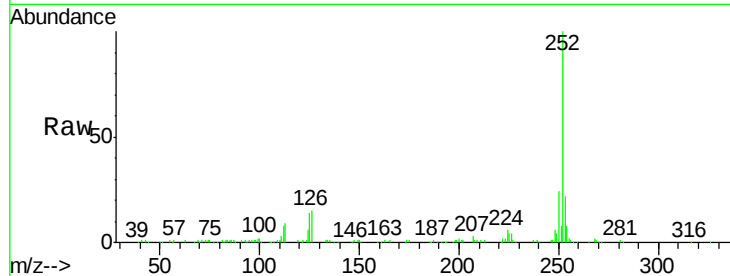
#87
Benzo(b)fluoranthene
Concen: 15.584 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Instrument :
BNA_F
ClientSampleId :
TP-7 2.0-2.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	13.5	9.0	13.6

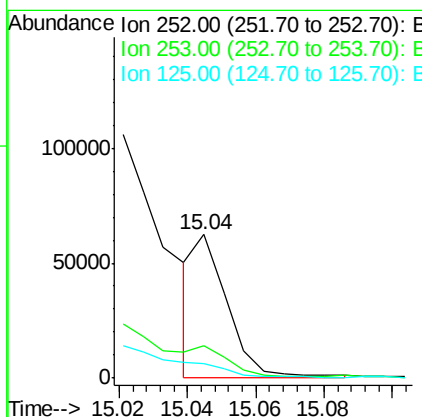
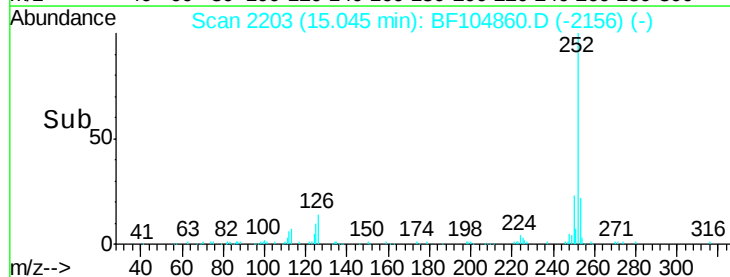
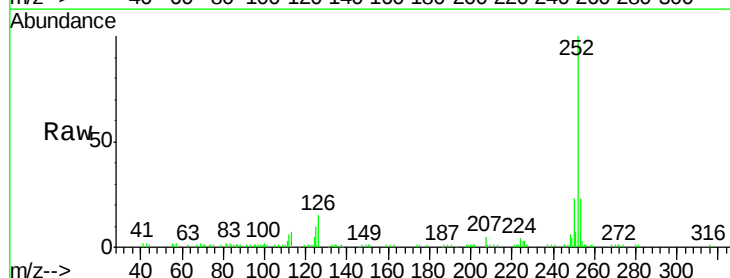
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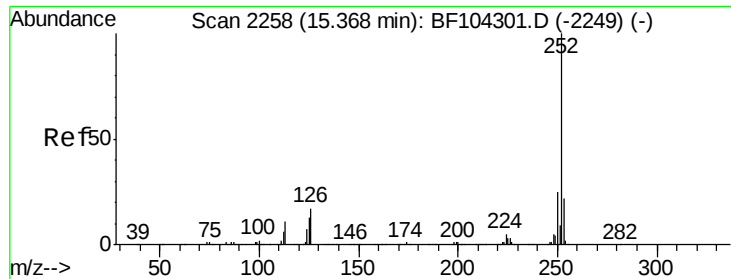
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#88
Benzo(k)fluoranthene
Concen: 4.338 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	10.3	10.2	15.2





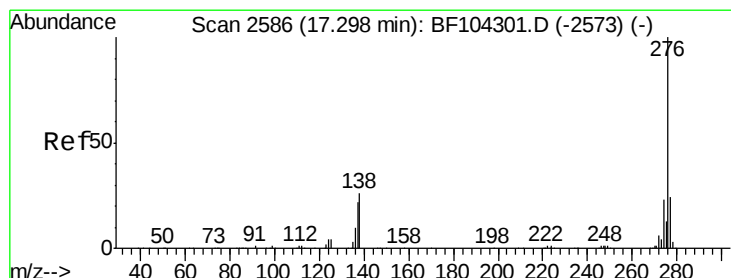
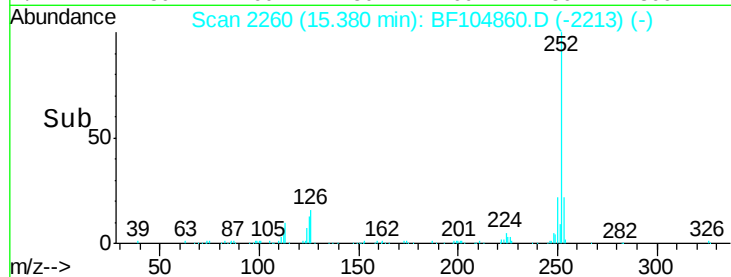
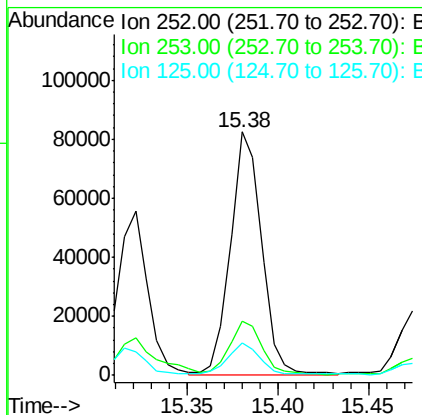
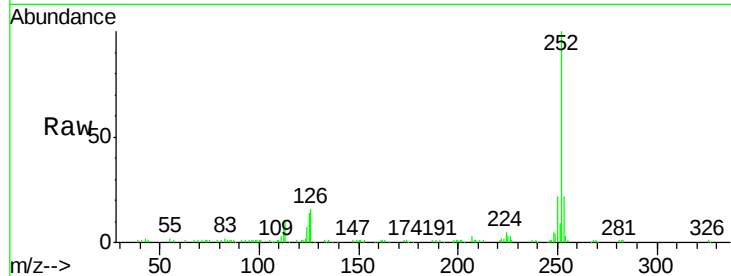
#89
Benzo(a)pyrene
Concen: 10.593 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

Instrument :
BNA_F
ClientSampleId :
TP-7 2.0-2.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	13.5	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.929 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.03 min
Lab File: BF104860.D
Acq: 27 Apr 2018 4:17

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

