

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
 Data File : BF101725.D
 Acq On : 26 Dec 2017 20:40
 Operator : SJ/JU
 Sample : I7022-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 352

Manual Integrations
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Sohil
 12/27/2017 4:14:54 PM

Quant Time: Dec 27 05:59:38 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	125324	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	453706	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	168175	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	293869	20.00	ng	0.00
75) Chrysene-d12	13.97	240	293641	20.00	ng	0.00
86) Perylene-d12	15.44	264	330881	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	397998	47.31	ng	0.00
7) Phenol-d6	6.43	99	469652	44.85	ng	0.00
23) Nitrobenzene-d5	7.36	82	281013	34.48	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	71775	44.29	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	417652	38.52	ng	0.00
78) Terphenyl-d14	12.89	244	356224	29.25	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.55	163	27312	2.019	ng	Qvalue # 95
70) Phenanthrene	11.34	178	168822	10.330	ng	99
71) Anthracene	11.40	178	51828	3.105	ng	97
74) Fluoranthene	12.53	202	416306	24.269	ng	99
77) Pyrene	12.76	202	458609	20.810	ng	99
80) Benzo(a)anthracene	13.96	228	280400	14.461	ng	98
82) Chrysene	13.99	228	258378	14.113	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	143947	8.830	ng	# 90
87) Benzo(b)fluoranthene	15.02	252	300074m	14.879	ng	
88) Benzo(k)fluoranthene	15.04	252	115893m	5.910	ng	
89) Benzo(a)pyrene	15.38	252	259100	13.936	ng	98
90) Dibenzo(a,h)anthracene	16.92	278	33126	2.075	ng	# 70
91) Benzo(g,h,i)perylene	17.37	276	135491	8.572	ng	94

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

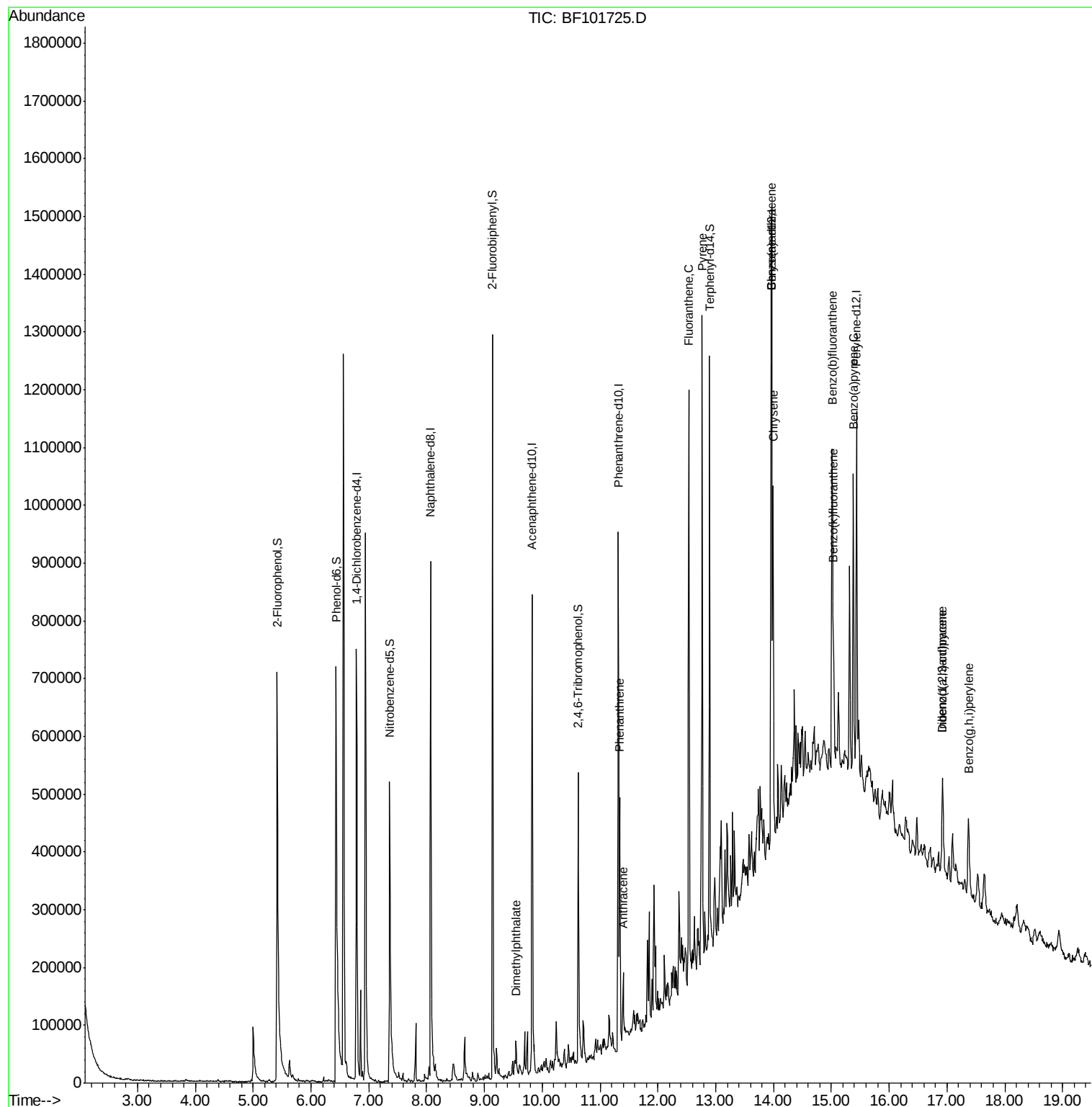
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
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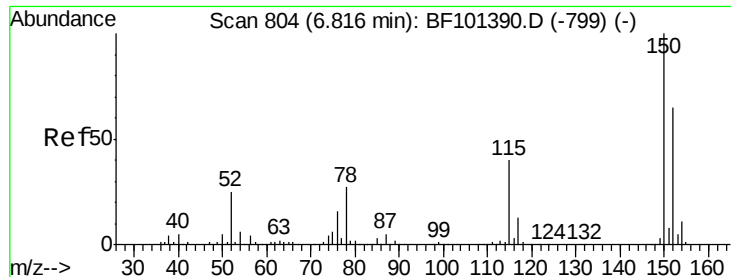
Instrument :
BNA_F
ClientSampled :
352

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Quant Time: Dec 27 05:59:38 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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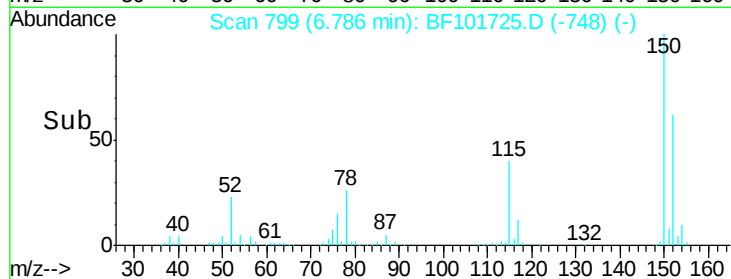
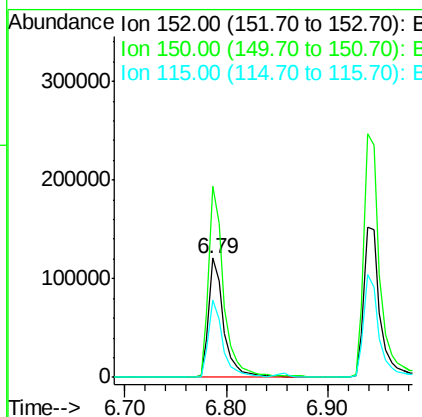
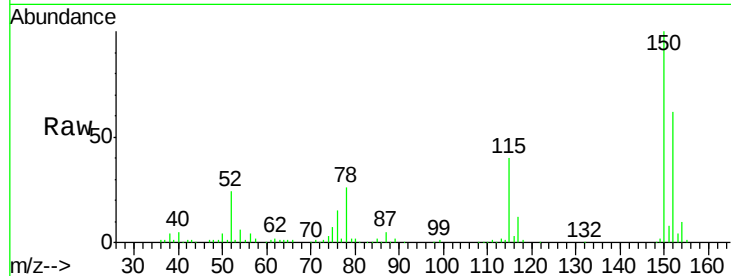
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF101725.D
 Acq: 26 Dec 2017 20:40

Instrument :
 BNA_F
 ClientSampled :
 352

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.3	124.6	186.8
115	64.4	50.1	75.1

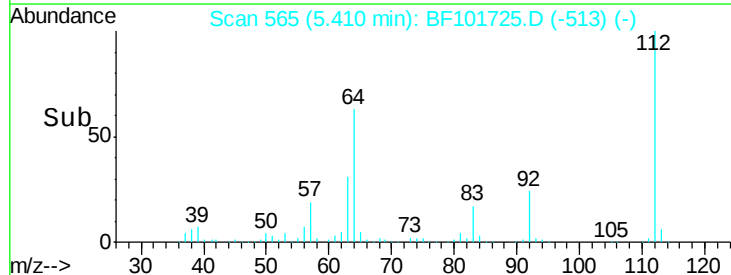
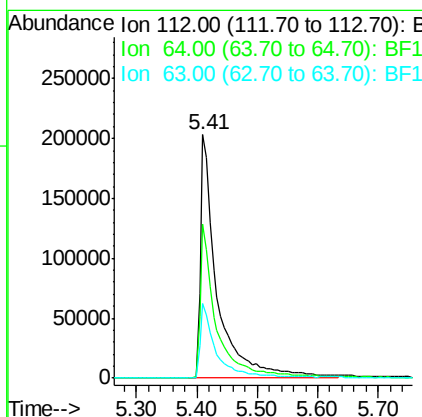
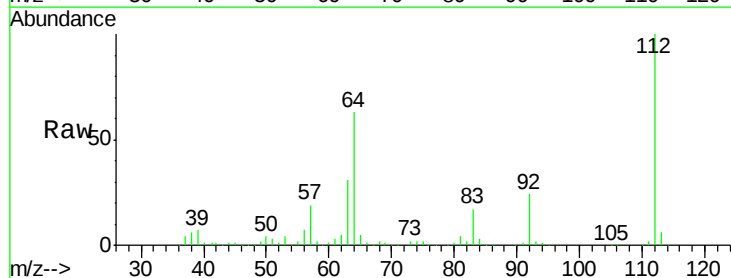
Manual Integrations
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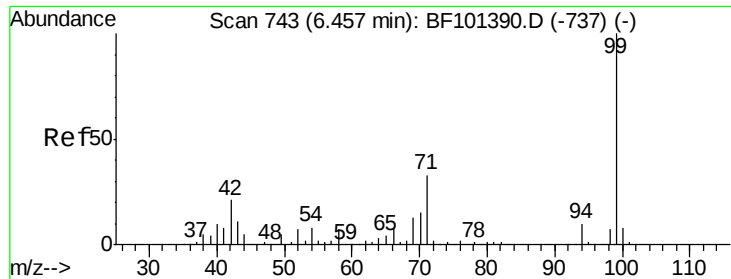
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#5
 2-Fluorophenol
 Concen: 47.305 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF101725.D
 Acq: 26 Dec 2017 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	47.9	71.9
63	30.7	23.7	35.5





#7

Phenol-d6

Concen: 44.854 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

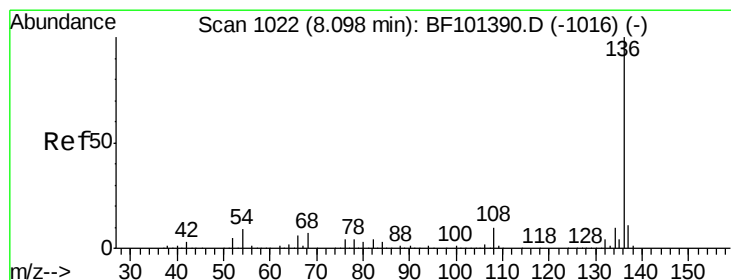
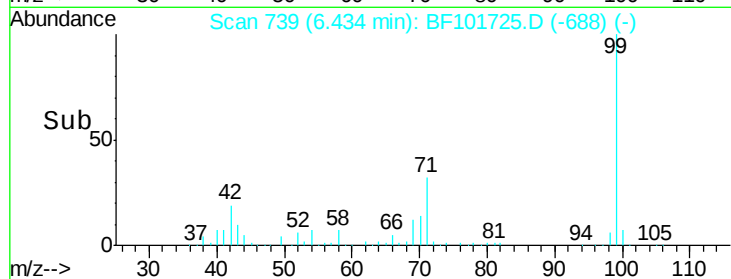
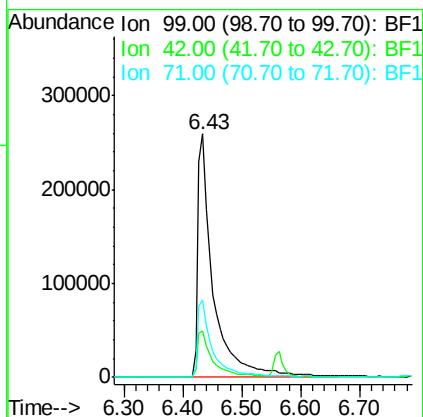
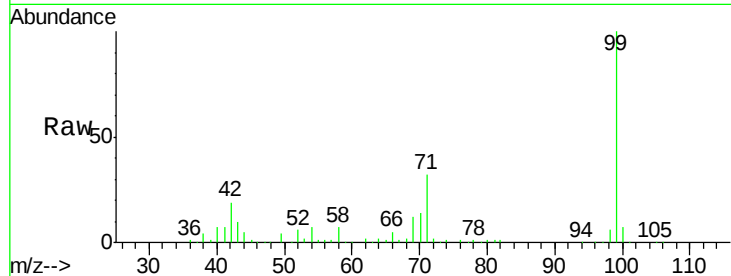
ClientSampleId :

352

Tgt Ion:	99	Resp:	469652
Ion Ratio	Lower	Upper	
99	100		
42	19.4	14.5	21.7
71	31.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

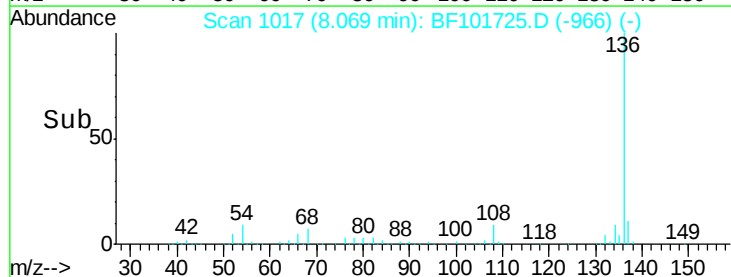
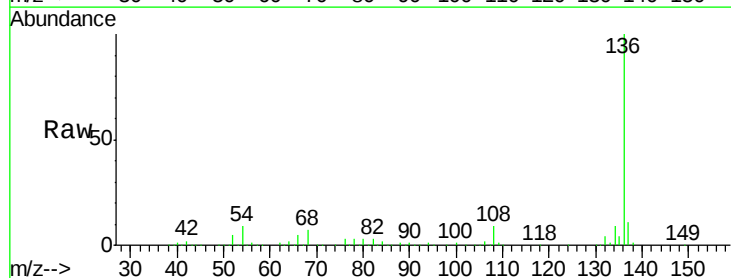
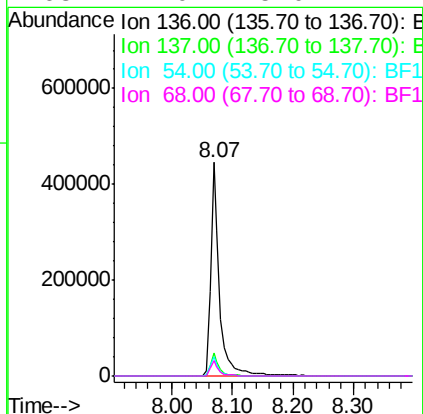
RT: 8.07 min Scan# 1017

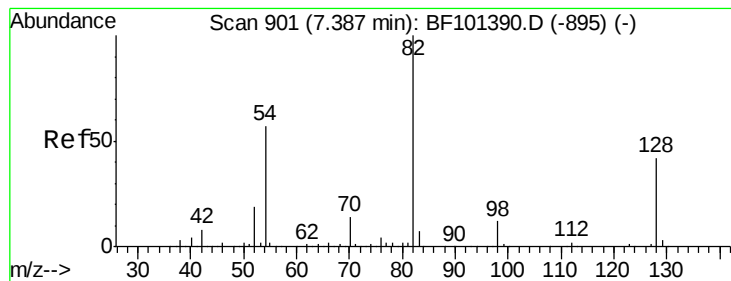
Delta R.T. -0.00 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Tgt Ion:	136	Resp:	453706
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	9.0	6.6	9.8
68	7.0	5.0	7.4





#23

Nitrobenzene-d5

Concen: 34.478 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

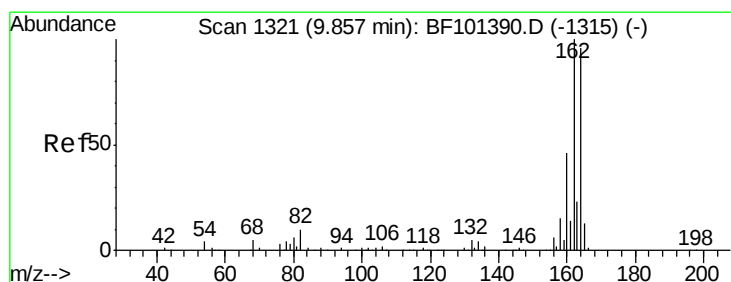
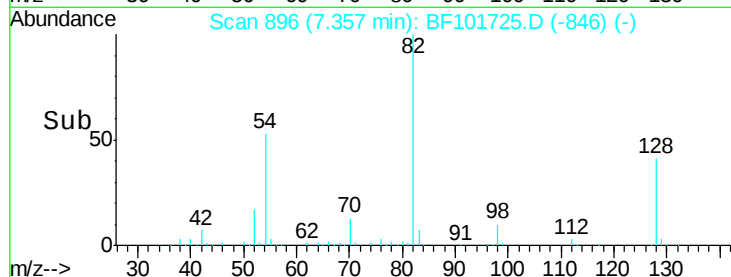
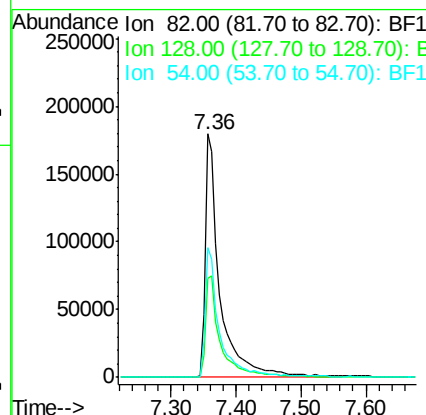
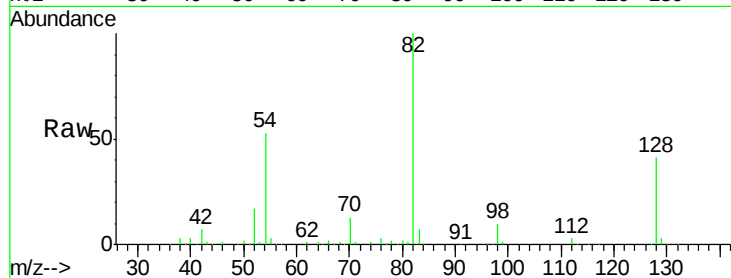
ClientSampled :

352

Tgt Ion:	82	Resp:	281013
Ion Ratio	Lower	Upper	
82	100		
128	40.7	36.1	54.1
54	53.4	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

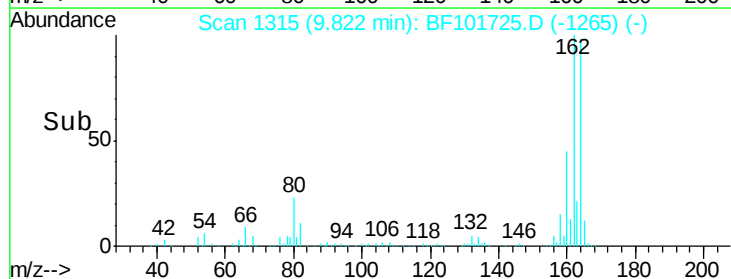
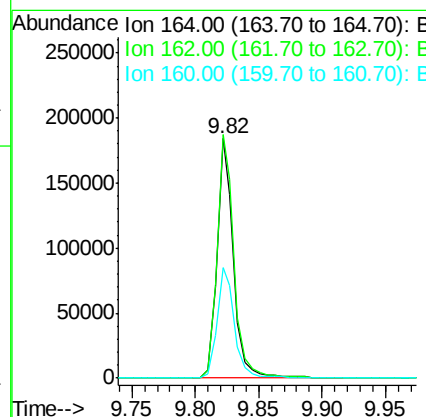
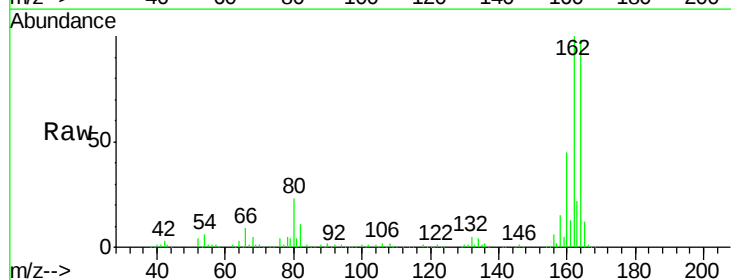
RT: 9.82 min Scan# 1315

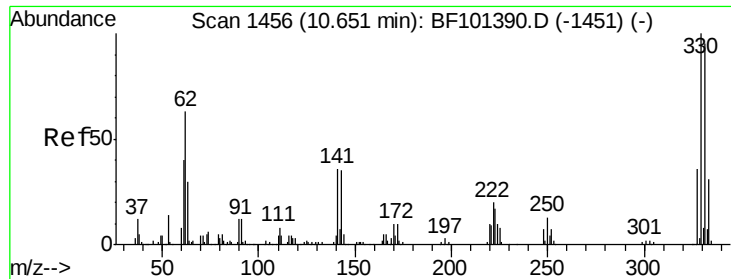
Delta R.T. -0.01 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Tgt Ion:	164	Resp:	168175
Ion Ratio	Lower	Upper	
164	100		
162	101.7	86.1	129.1
160	45.9	38.3	57.5





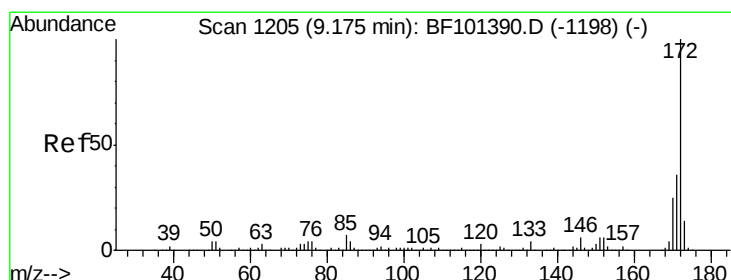
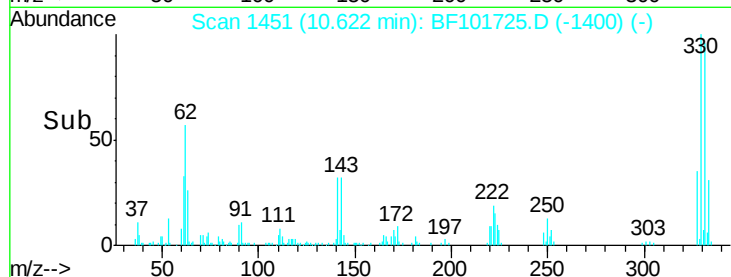
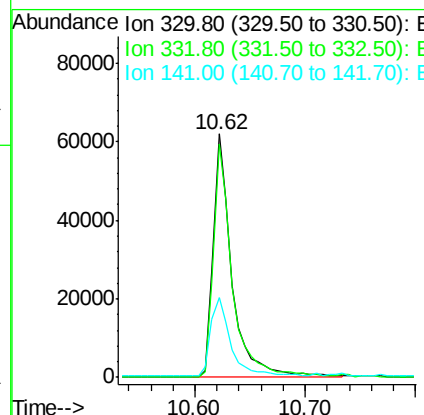
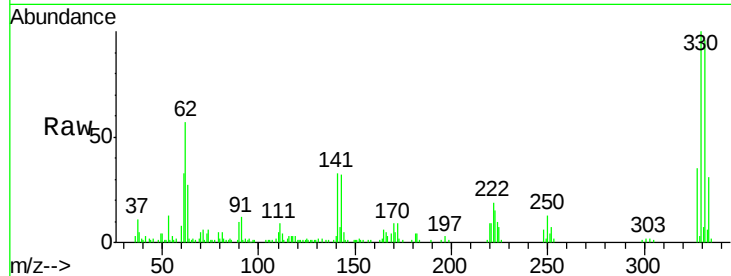
#41
 2,4,6-Tribromophenol
 Concen: 44.292 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF101725.D
 Acq: 26 Dec 2017 20:40

Instrument :
 BNA_F
 ClientSampled :
 352

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	71775		
332	96.2	77.0	115.6	
141	33.6	29.9	44.9	

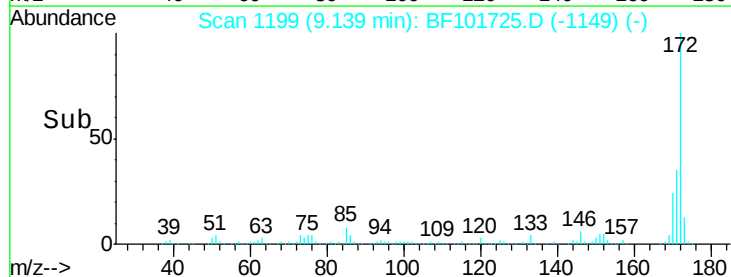
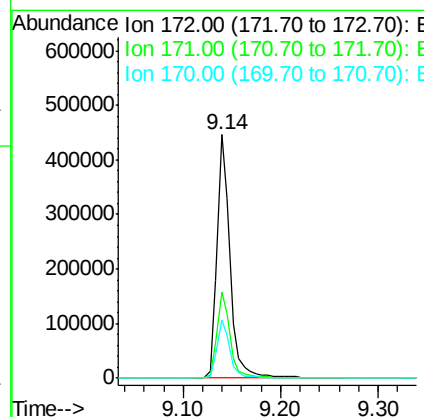
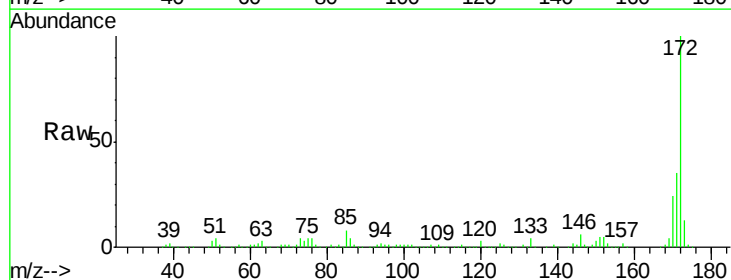
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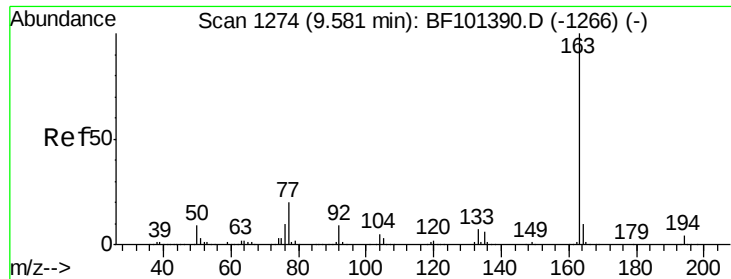
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#44
 2-Fluorobiphenyl
 Concen: 38.524 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101725.D
 Acq: 26 Dec 2017 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	417652		
171	35.4	29.7	44.5	
170	23.6	19.6	29.4	





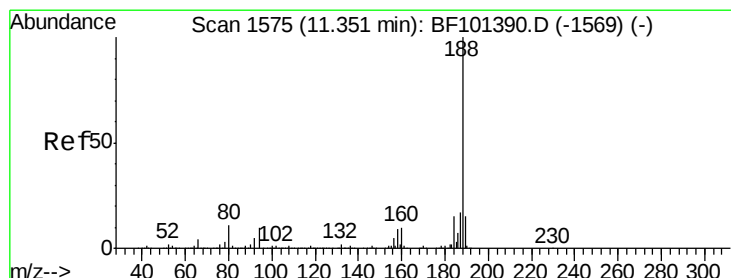
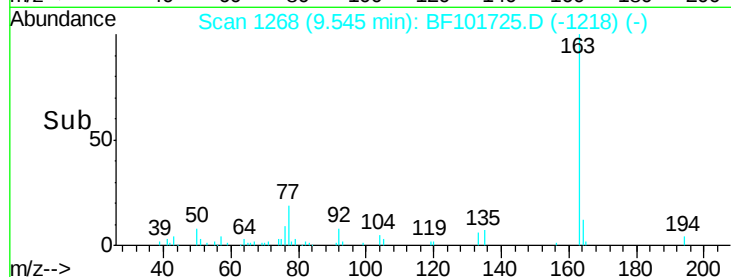
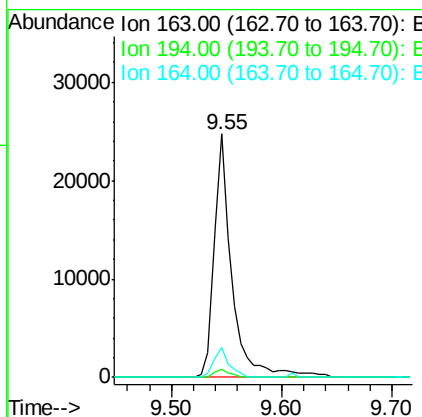
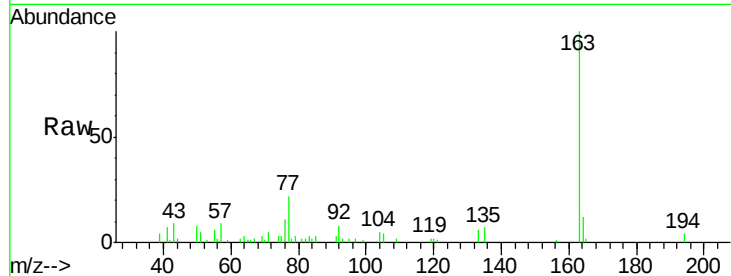
#49
Dimethylphthalate
Concen: 2.019 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101725.D
Acq: 26 Dec 2017 20:40

Instrument :
BNA_F
ClientSampleId :
352

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	27312		
194	3.6	2.7	4.1	
164	12.4	8.2	12.2	

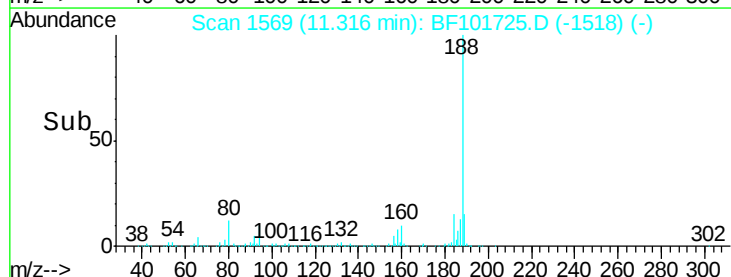
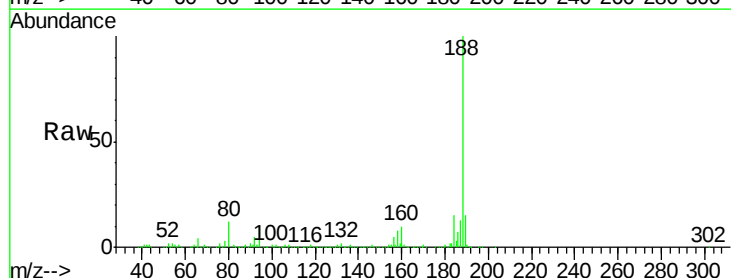
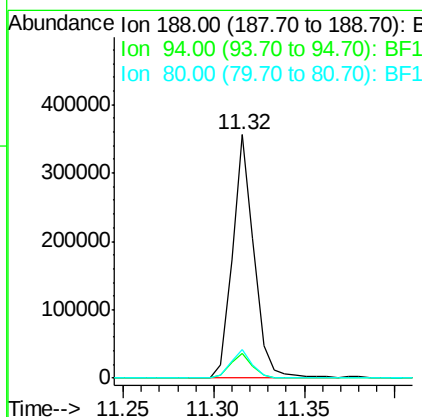
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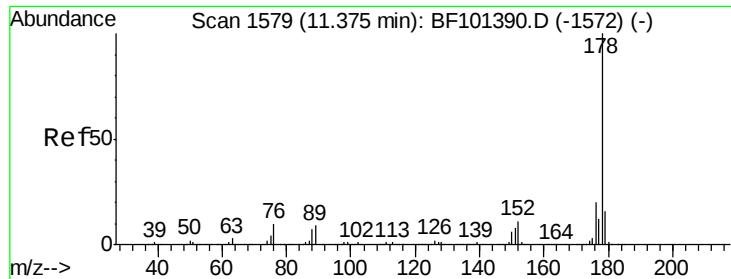
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF101725.D
Acq: 26 Dec 2017 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	293869		
94	10.1	8.5	12.7	
80	11.9	9.2	13.8	





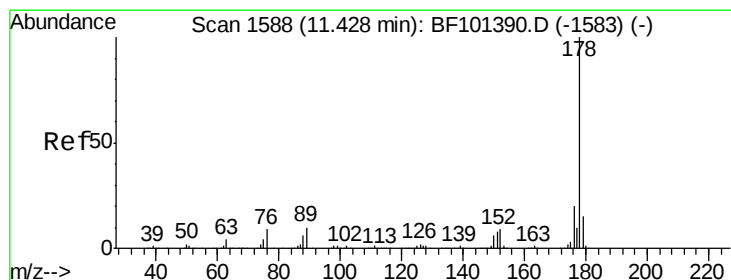
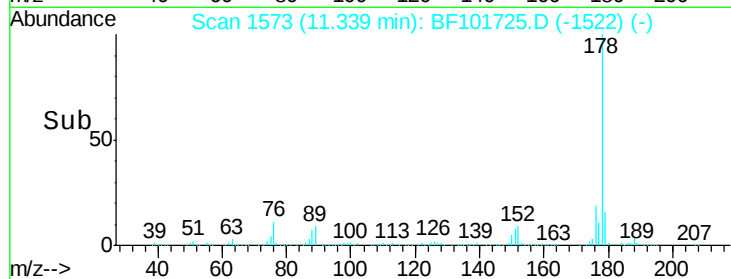
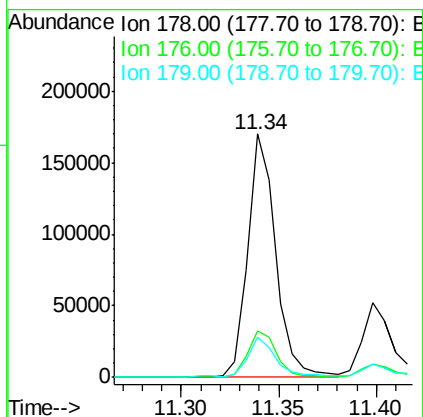
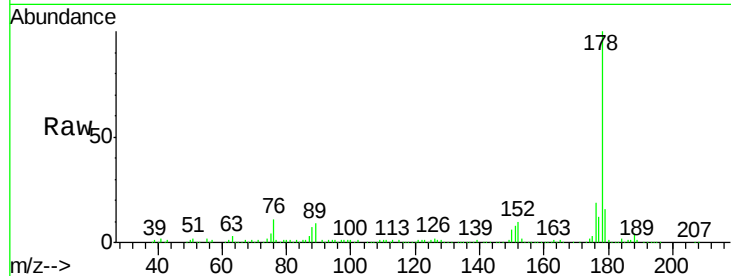
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Phenanthrene
Concen: 10.330 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101725.D
Acq: 26 Dec 2017 20:40

Instrument :
BNA_F
ClientSampled :
352

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	16.4	13.0	19.6

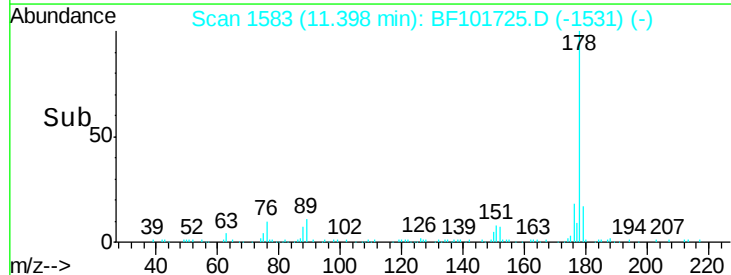
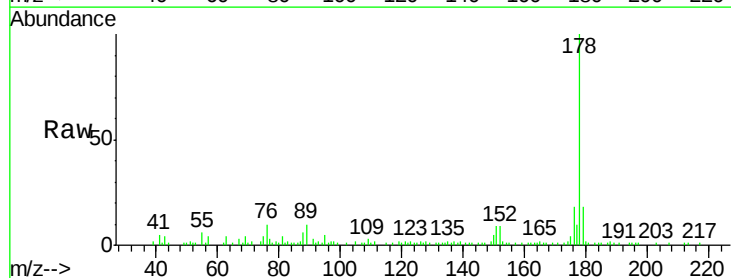
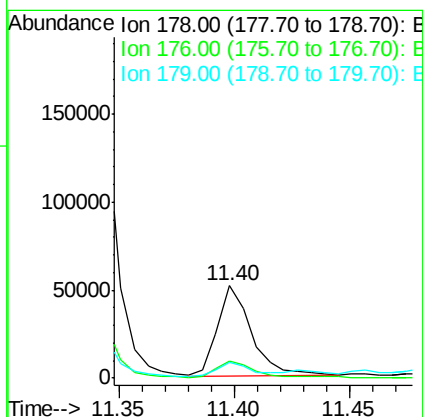
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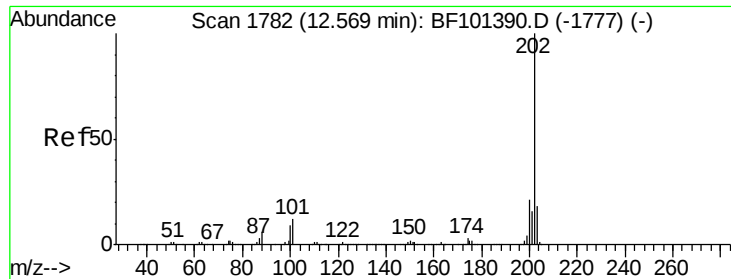
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#71
Anthracene
Concen: 3.105 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF101725.D
Acq: 26 Dec 2017 20:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	17.8	12.6	19.0





#74

Fluoranthene

Concen: 24.269 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

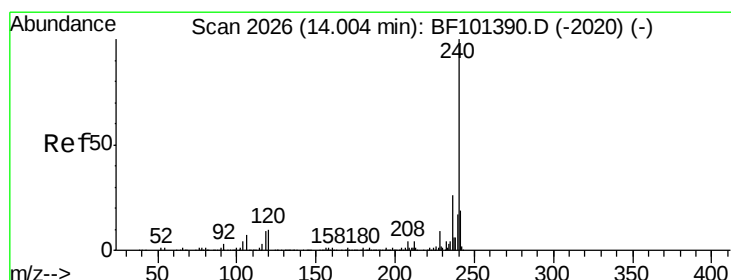
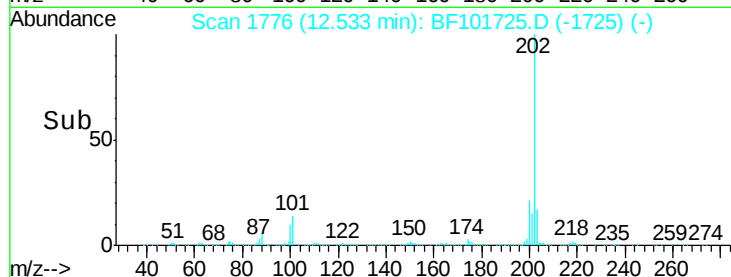
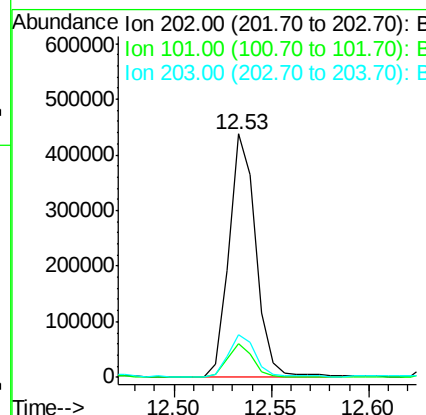
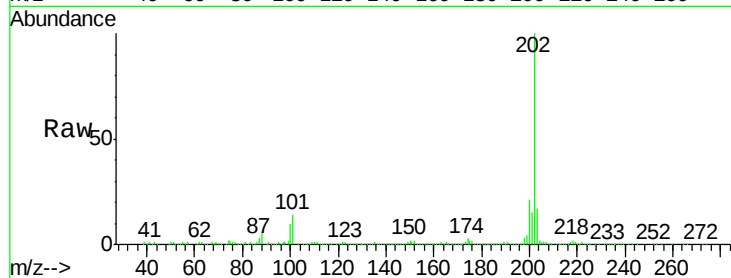
ClientSampled :

352

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		416306		
101	14.0	0.0	34.1		
203	17.3	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

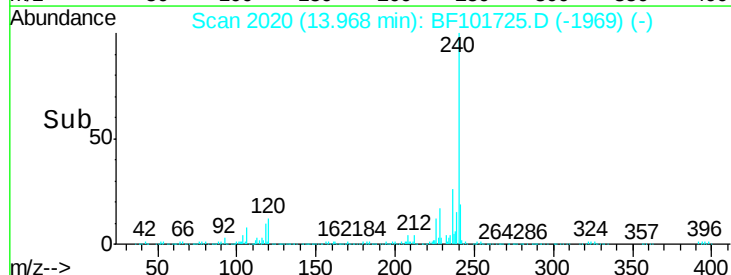
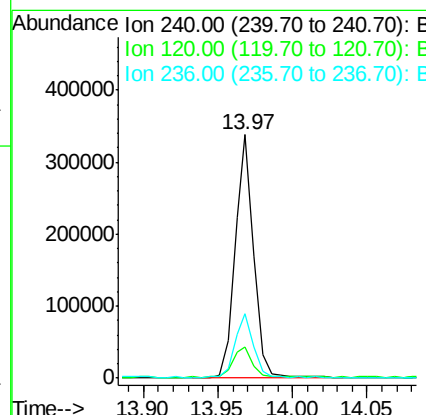
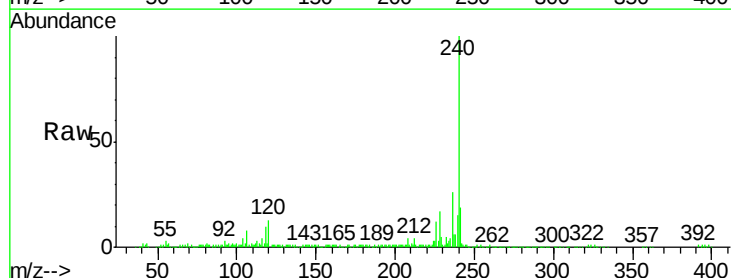
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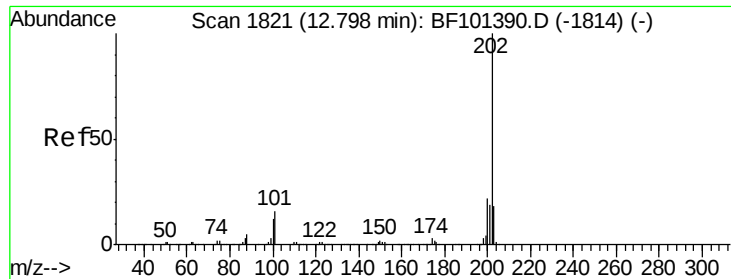
Delta R.T. -0.00 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		293641		
120	12.6	9.5	14.3		
236	26.3	20.7	31.1		





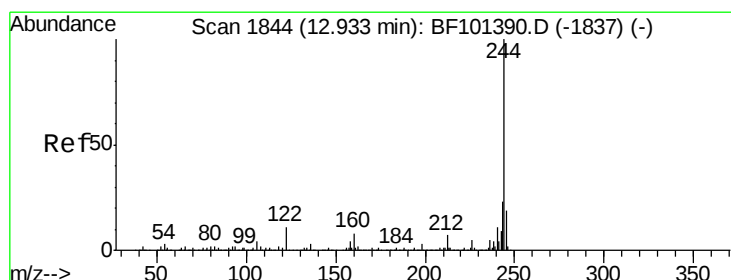
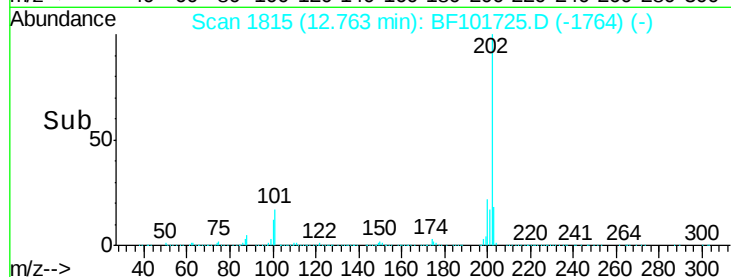
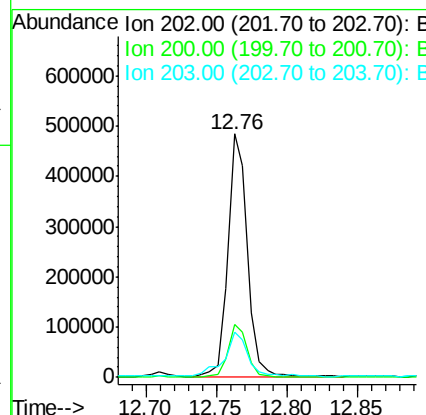
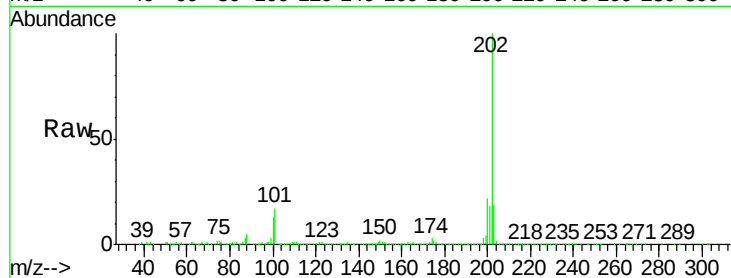
#77
 Pyrene
 Concen: 20.810 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.00 min
 Lab File: BF101725.D
 Acq: 26 Dec 2017 20:40

Instrument :
 BNA_F
 ClientSampleId :
 352

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.6	14.3	21.5

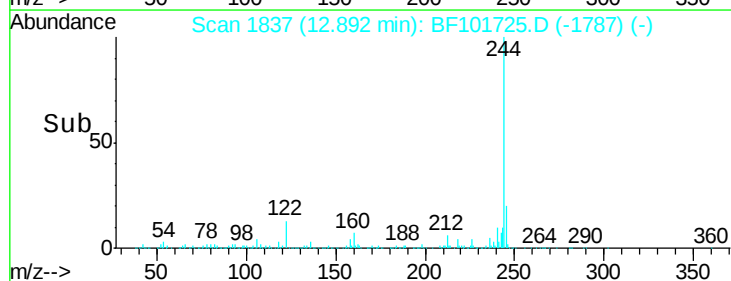
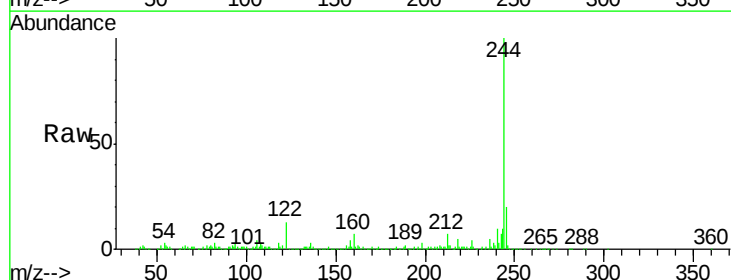
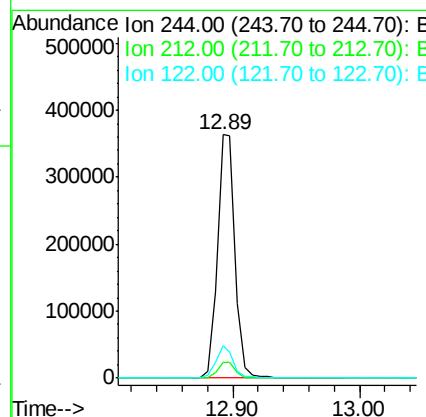
Manual Integrations
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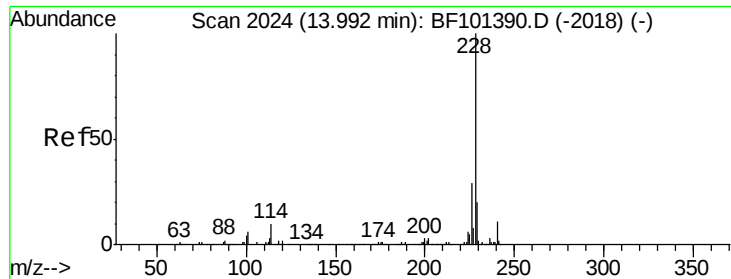
Sohil
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#78
 Terphenyl-d14
 Concen: 29.246 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF101725.D
 Acq: 26 Dec 2017 20:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	13.5	11.0	16.4





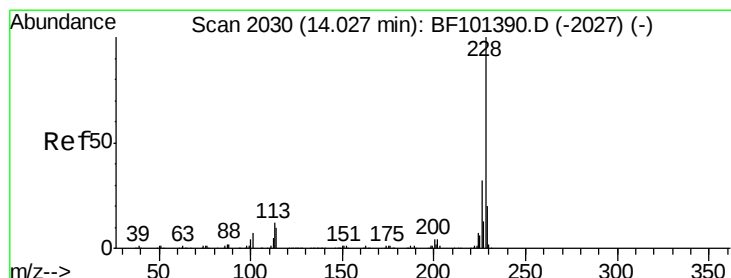
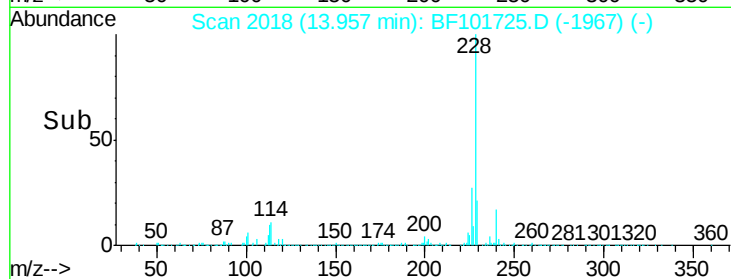
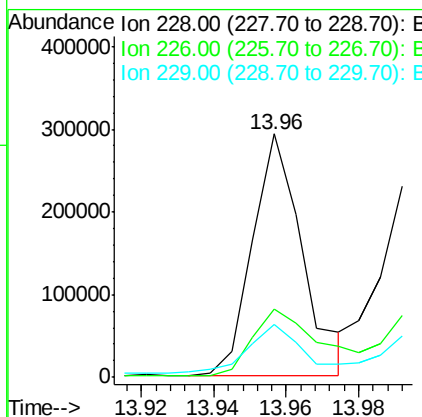
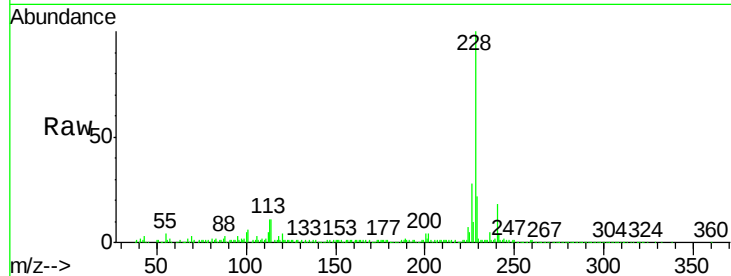
#80
Benzo(a)anthracene
Concen: 14.461 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF101725.D
Acq: 26 Dec 2017 20:40

Instrument :
BNA_F
ClientSampleId :
352

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	21.6	15.8	23.6

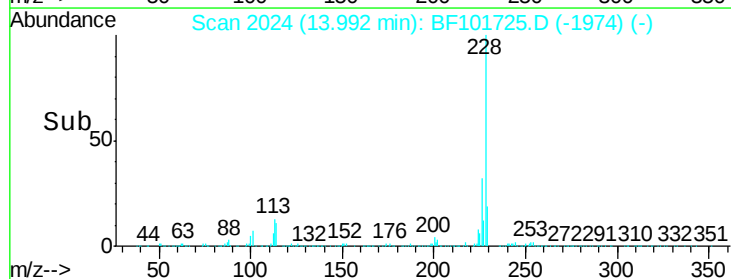
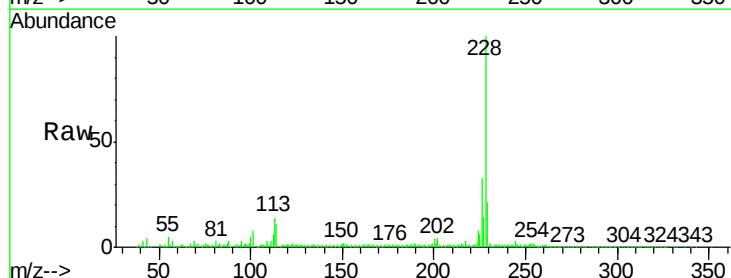
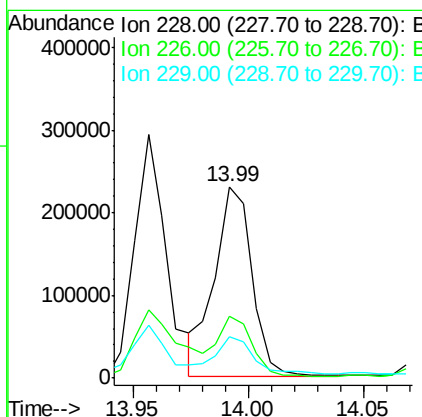
Manual Integrations
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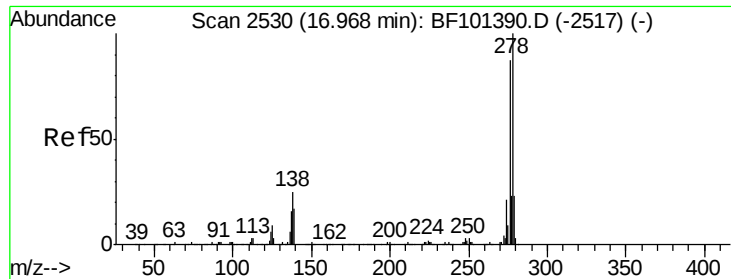
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#82
Chrysene
Concen: 14.113 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101725.D
Acq: 26 Dec 2017 20:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.0	37.6
229	21.5	16.2	24.4





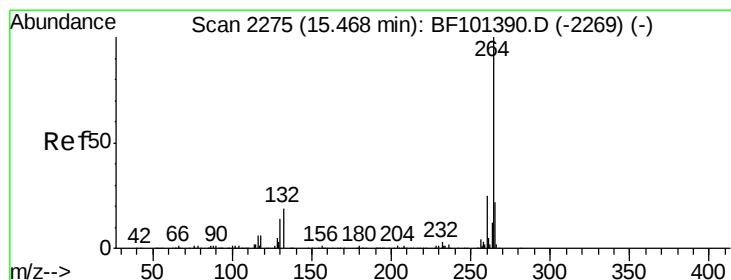
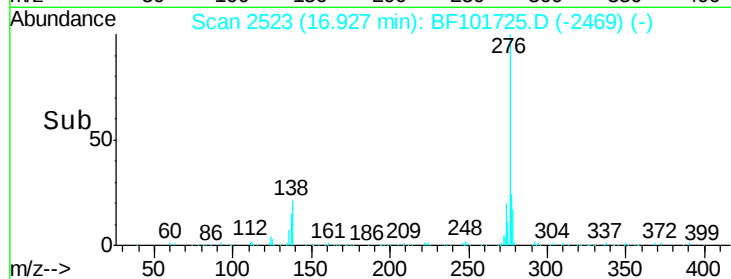
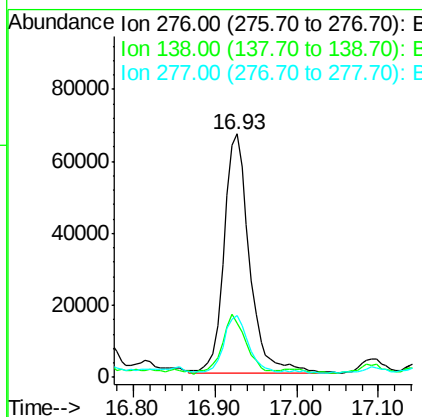
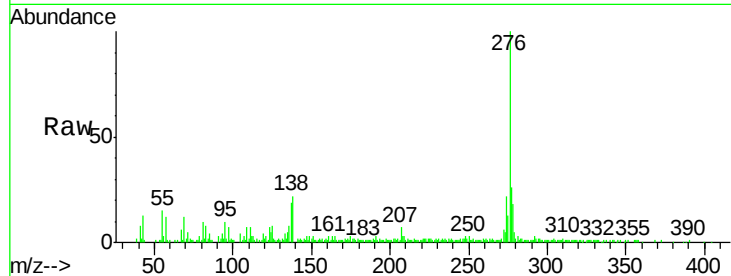
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.830 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. 0.02 min
 Lab File: BF101725.D
 Acq: 26 Dec 2017 20:40

Instrument :
 BNA_F
 ClientSampled :
 352

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.7	25.0	37.6#
277	22.0	20.1	30.1

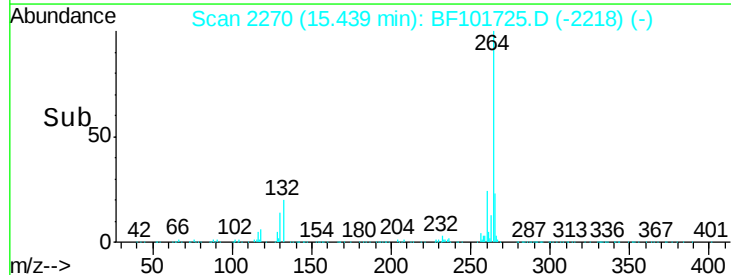
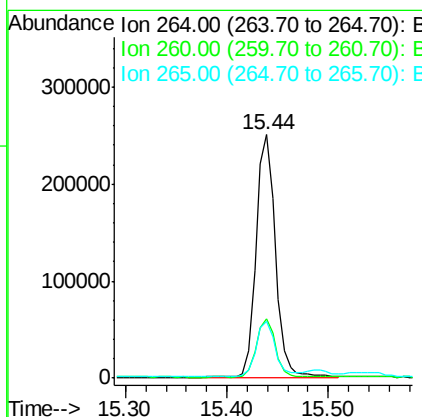
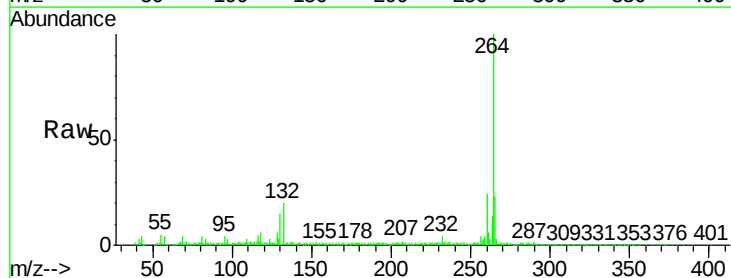
Manual Integrations
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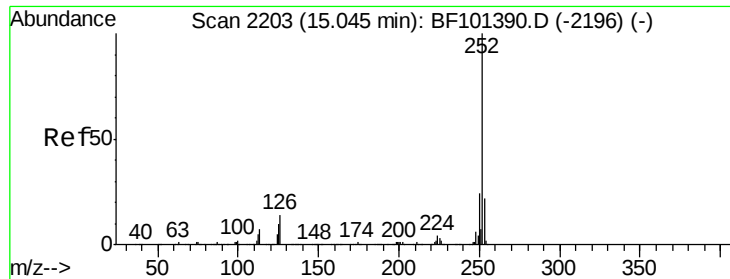
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: BF101725.D
 Acq: 26 Dec 2017 20:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.5	17.5	26.3





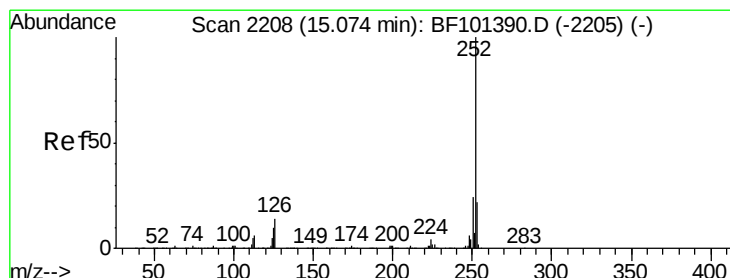
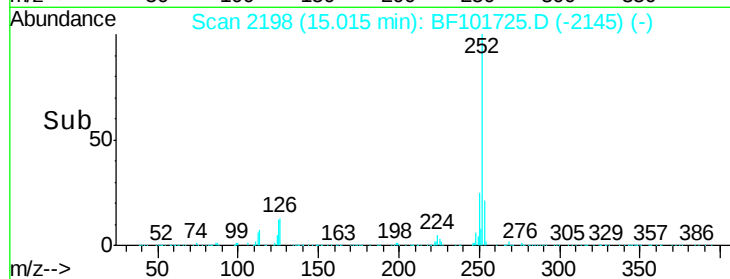
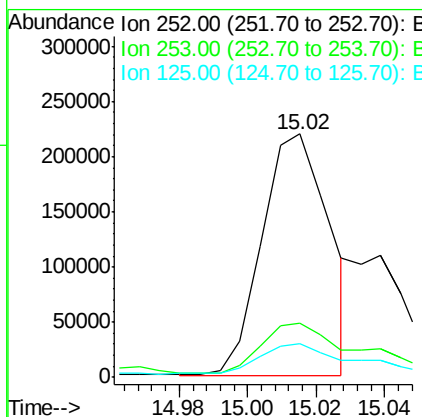
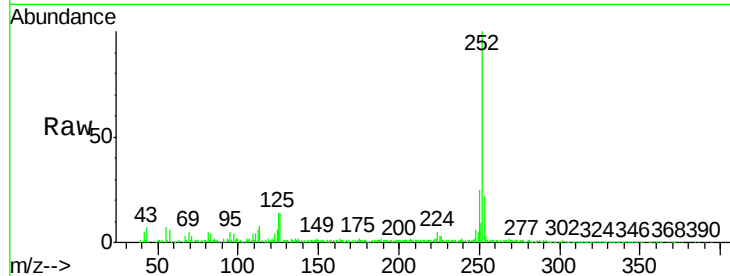
#87
Benzo(b)fluoranthene
Concen: 14.879 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101725.D
Acq: 26 Dec 2017 20:40

Instrument :
BNA_F
ClientSampled :
352

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	13.8	9.0	13.6

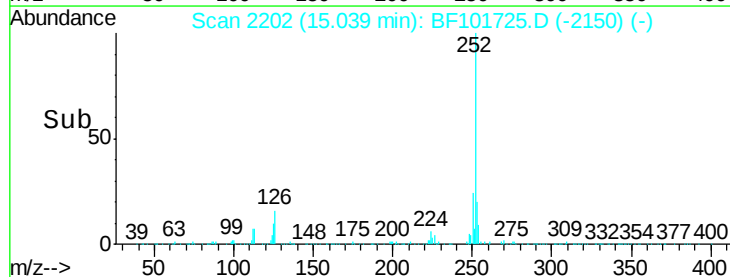
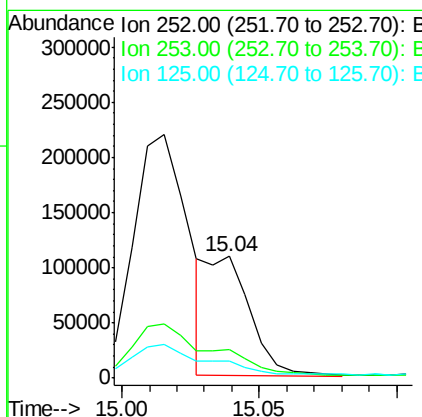
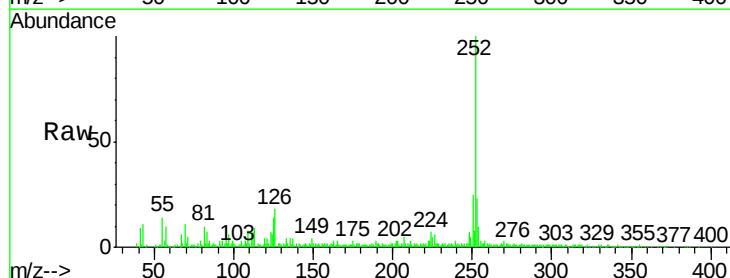
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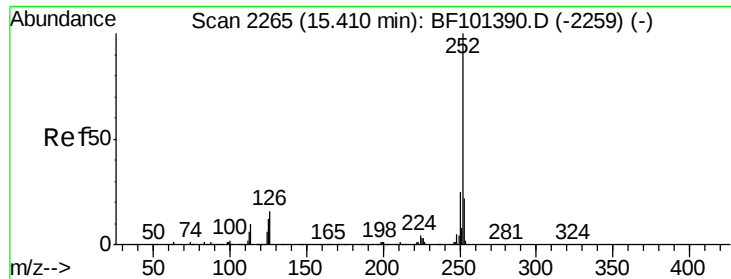
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#88
Benzo(k)fluoranthene
Concen: 5.910 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF101725.D
Acq: 26 Dec 2017 20:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	13.6	10.2	15.2





#89

Benzo(a)pyrene

Concen: 13.936 ng

RT: 15.38 min Scan# 2260

Delta R.T. 0.01 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

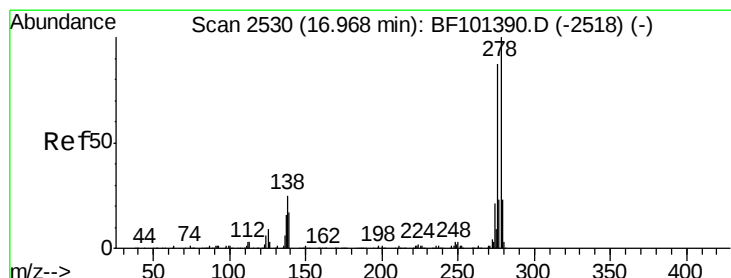
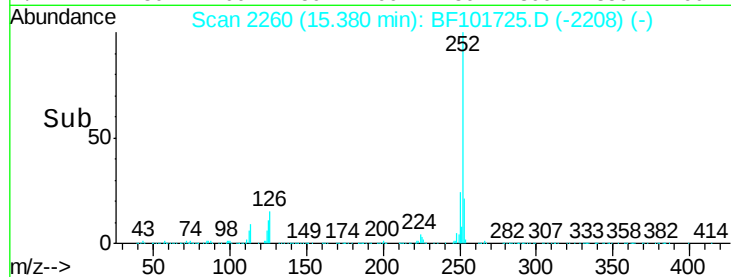
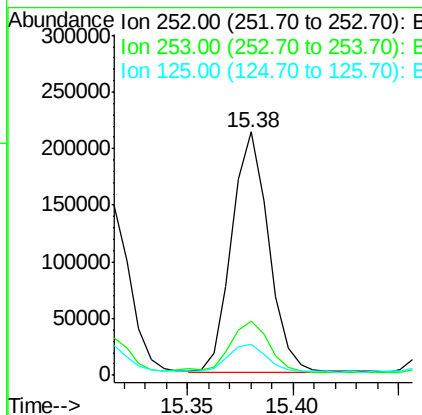
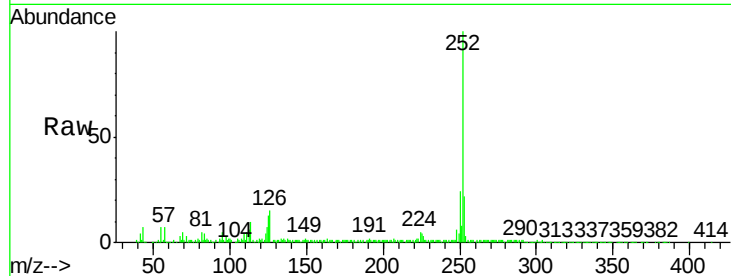
ClientSampled :

352

Tgt Ion:	252	Resp:	259100
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.1	25.7
125	13.0	9.8	14.6

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 2.075 ng

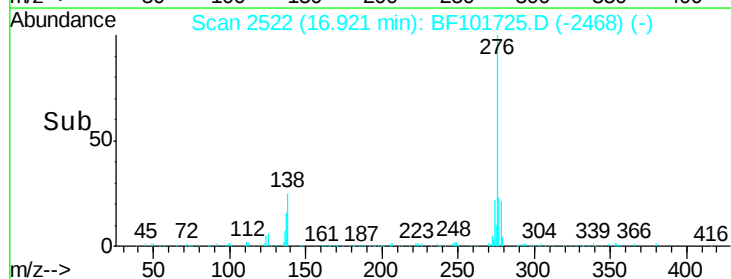
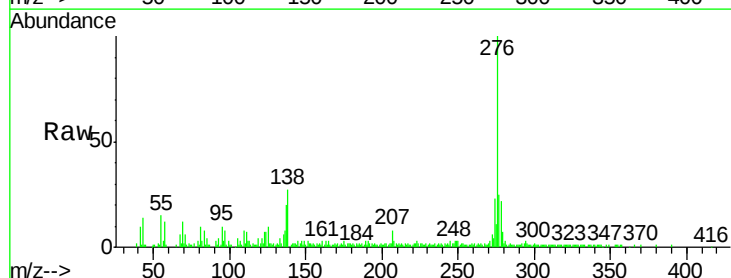
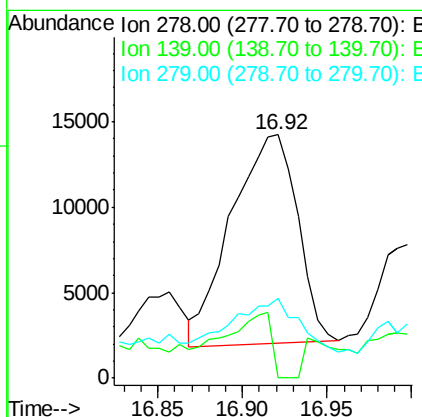
RT: 16.92 min Scan# 2522

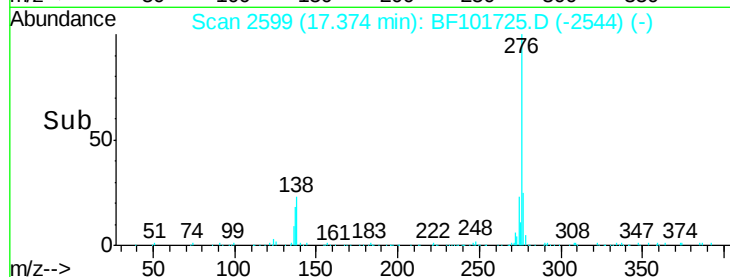
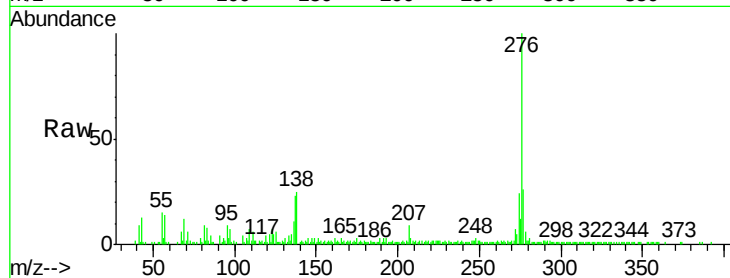
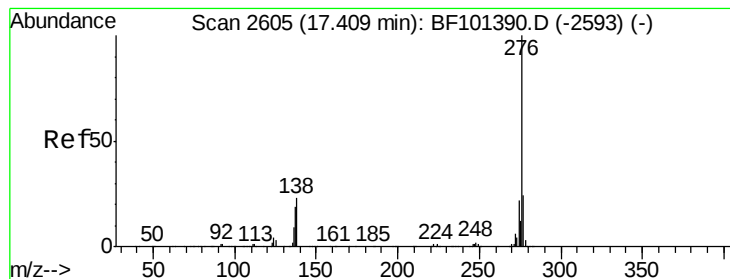
Delta R.T. 0.02 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Tgt Ion:	278	Resp:	33126
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	32.9	19.0	28.4#





#91

Benzo(g,h,i)perylene

Concen: 8.572 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.02 min

Lab File: BF101725.D

Acq: 26 Dec 2017 20:40

Instrument :

BNA_F

ClientSampleId :

352

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	25.0	21.8	32.8

Manual Integrations
APPROVED

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