

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108398.D
 Acq On : 22 Aug 2018 22:06
 Operator : JU/SJ
 Sample : J4573-07 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T26-COMP

Manual Integrations
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 8/23/2018 3:43:25 PM

Quant Time: Aug 23 05:42:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	154704	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	599323	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	277311	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	447116	20.00	ng	0.00
75) Chrysene-d12	14.19	240	308649	20.00	ng	0.00
86) Perylene-d12	15.75	264	275807	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	155566	18.21	ng	-0.01
7) Phenol-d6	6.61	99	218425	19.24	ng	-0.02
23) Nitrobenzene-d5	7.56	82	136039	12.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	36178	13.08	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	242400	14.03	ng	-0.01
78) Terphenyl-d14	13.12	244	166478	13.71	ng	0.00
Target Compounds						
70) Phenanthrene	11.57	178	247402	11.731	ng	98
71) Anthracene	11.62	178	45365	2.099	ng	100
74) Fluoranthene	12.76	202	290606	12.626	ng	95
77) Pyrene	12.99	202	259237	13.267	ng	98
80) Benzo(a)anthracene	14.18	228	124686	7.039	ng	98
82) Chrysene	14.22	228	108347	6.672	ng	96
85) Indeno(1,2,3-cd)pyrene	17.36	276	50939	3.620	ng	# 90
87) Benzo(b)fluoranthene	15.28	252	142222m	8.630	ng	
88) Benzo(k)fluoranthene	15.31	252	45327m	2.992	ng	
89) Benzo(a)pyrene	15.68	252	103632m	7.022	ng	
91) Benzo(g,h,i)perylene	17.85	276	49890	4.149	ng	97

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

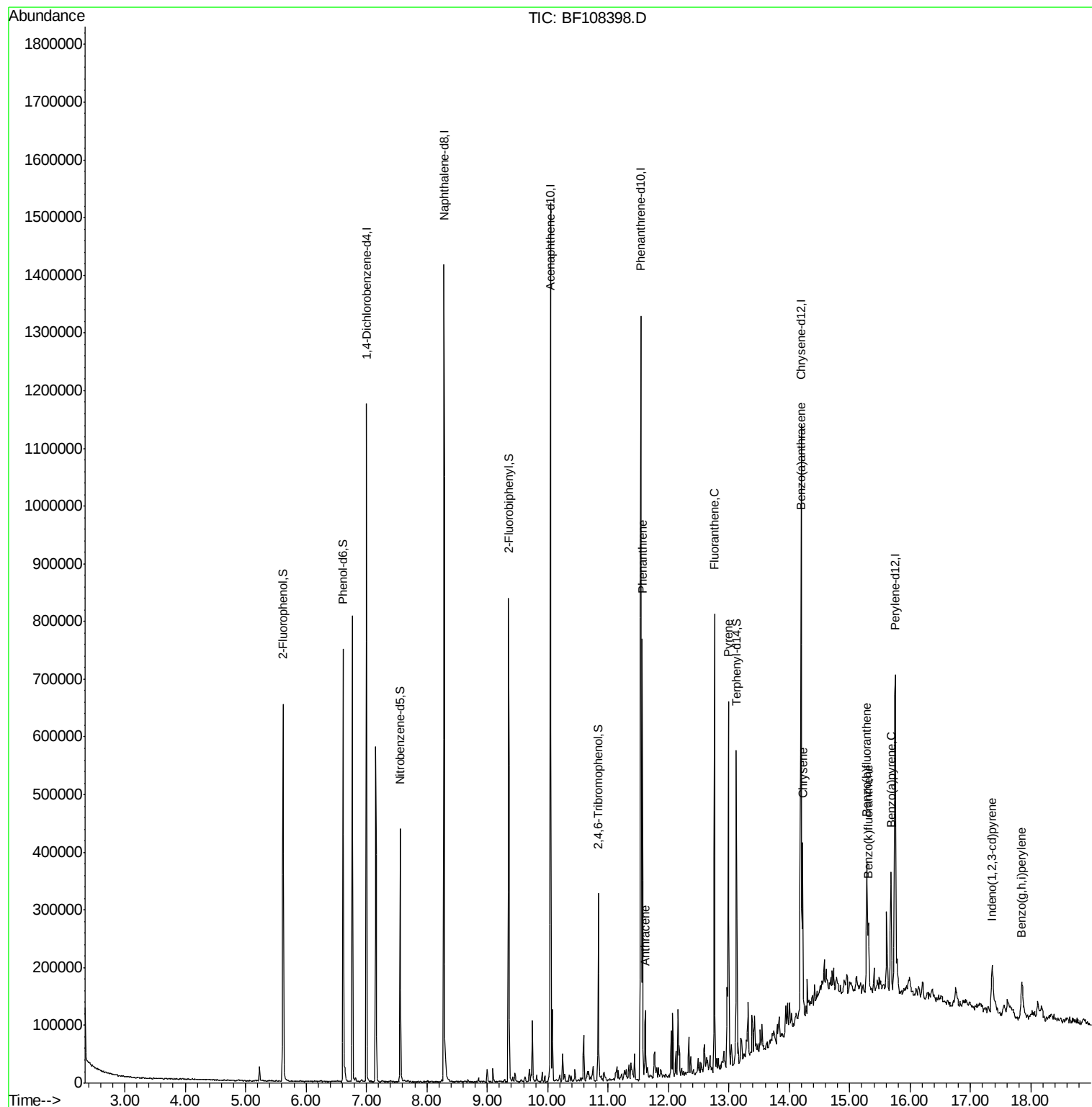
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
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#1

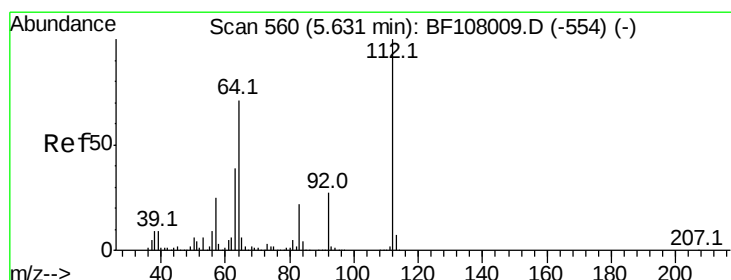
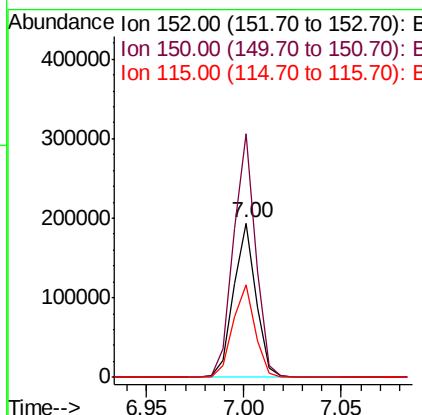
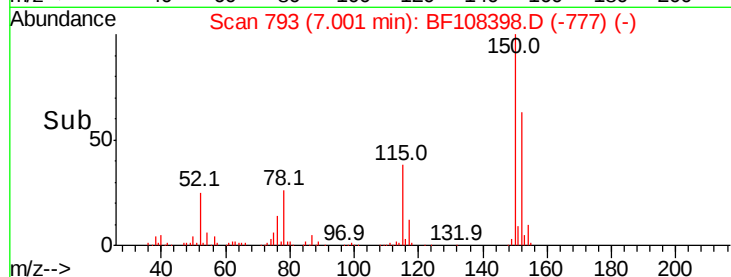
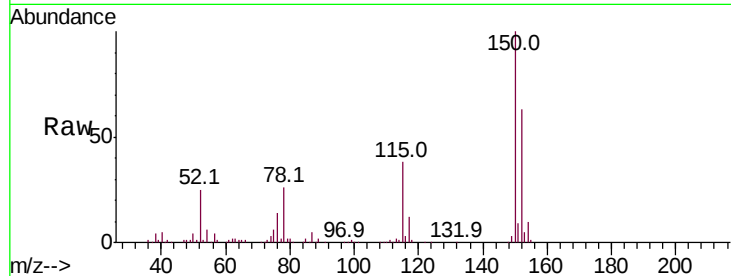
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
T26-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	59.7	50.1	75.1

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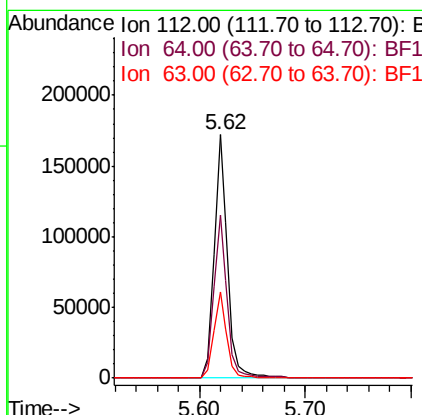
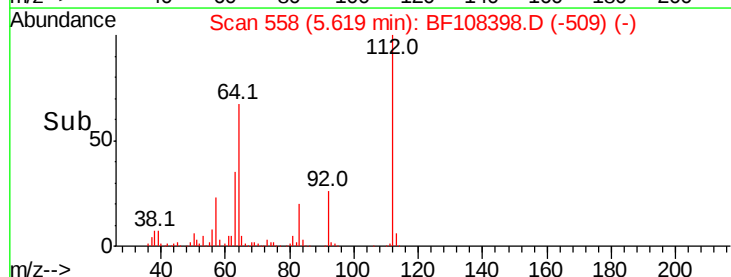
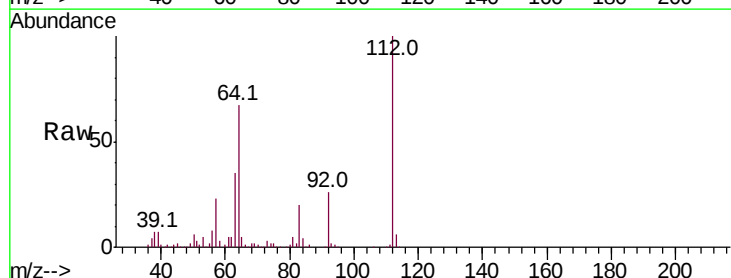
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#5

2-Fluorophenol
Concen: 18.205 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	47.9	71.9
63	35.2	23.7	35.5





#7

Phenol-d6

Concen: 19.236 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108398.D

Acq: 22 Aug 2018 22:06

Instrument :

BNA_F

ClientSampleId :

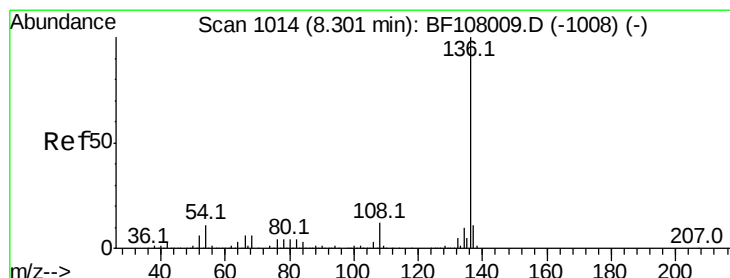
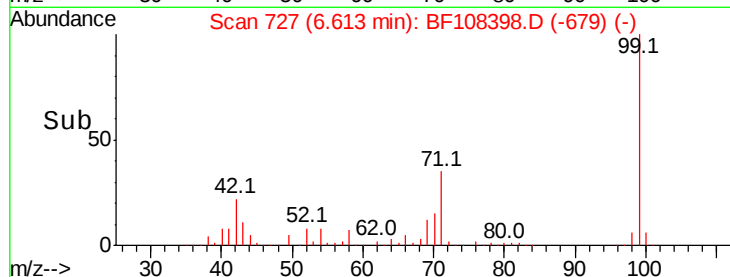
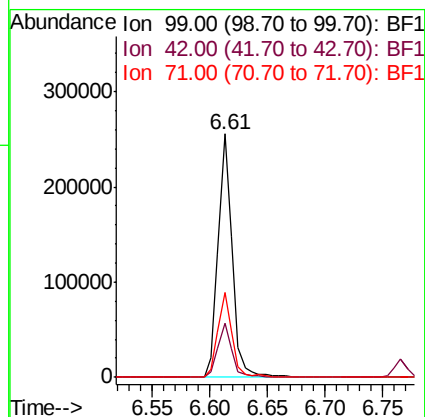
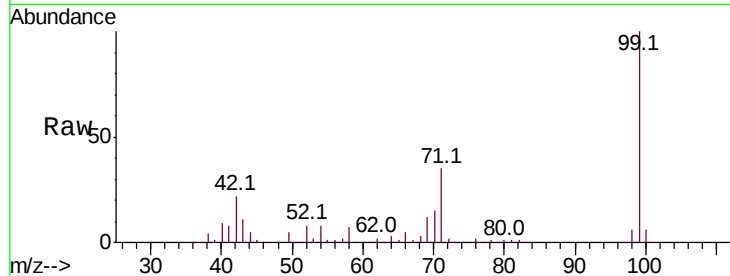
T26-COMP

Tot Ion: 99 Resp: 218425

Ion	Ratio	Lower	Upper
99	100		
42	22.1	14.5	21.7#
71	35.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

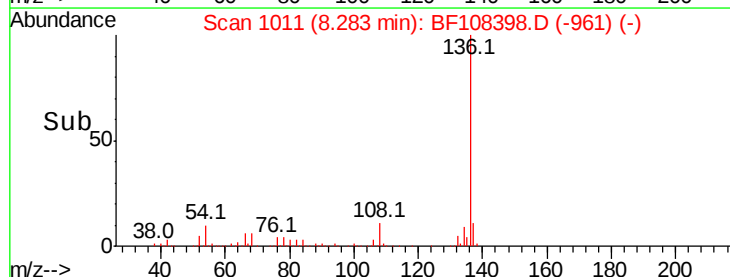
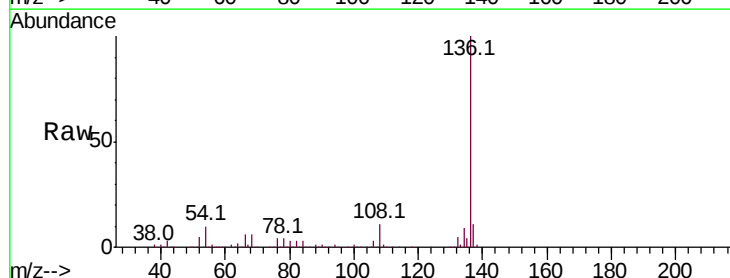
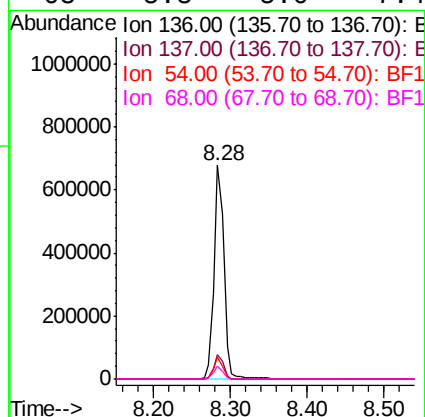
Delta R.T. -0.01 min

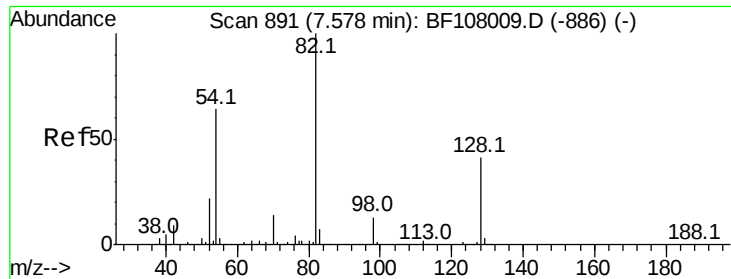
Lab File: BF108398.D

Acq: 22 Aug 2018 22:06

Tgt Ion: 136 Resp: 599323

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	10.0	6.6	9.8#
68	5.8	5.0	7.4





#23

Nitrobenzene-d5

Concen: 12.666 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF108398.D

Acq: 22 Aug 2018 22:06

Instrument :

BNA_F

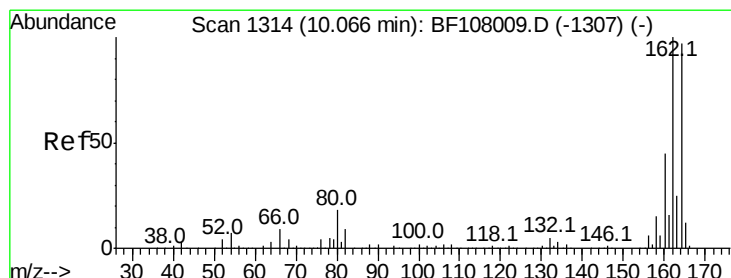
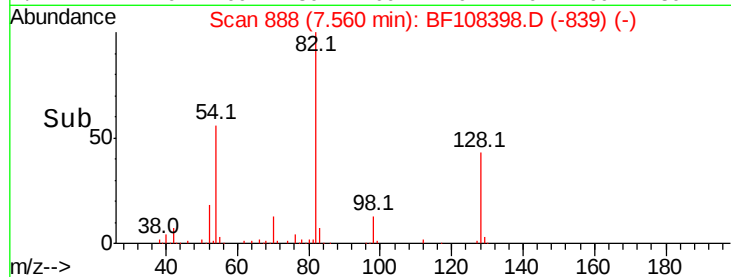
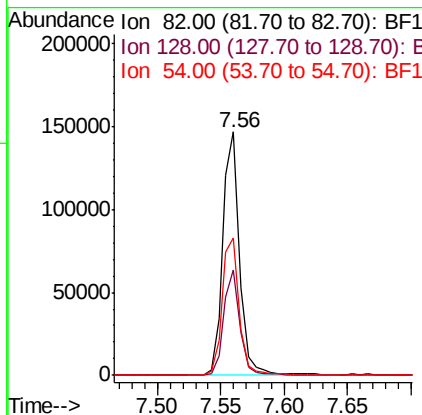
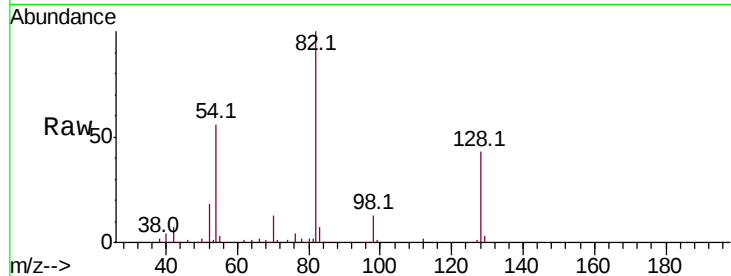
ClientSampled :

T26-COMP

Tot Ion:	82	Resp:	136039
Ion Ratio	Lower	Upper	
82	100		
128	43.3	36.1	54.1
54	56.2	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

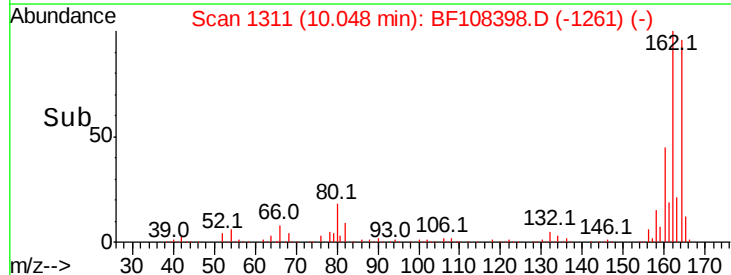
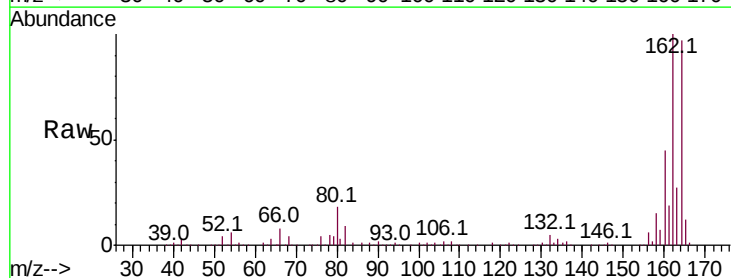
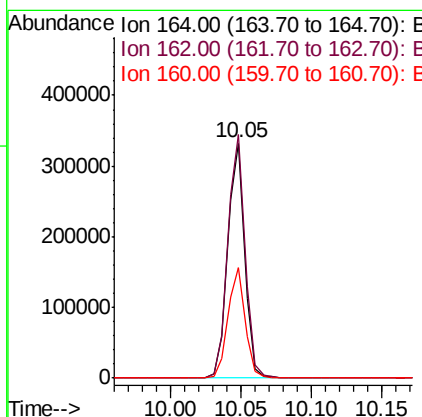
RT: 10.05 min Scan# 1311

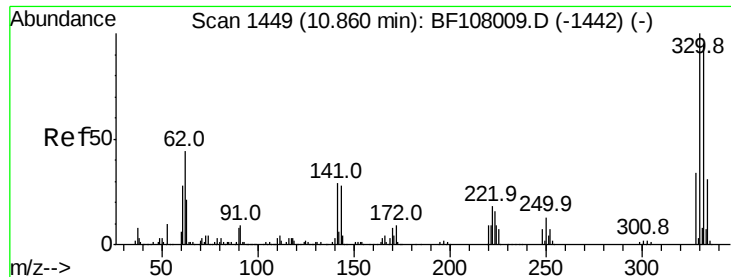
Delta R.T. -0.01 min

Lab File: BF108398.D

Acq: 22 Aug 2018 22:06

Tgt Ion:	164	Resp:	277311
Ion Ratio	Lower	Upper	
164	100		
162	103.5	86.1	129.1
160	46.7	38.3	57.5





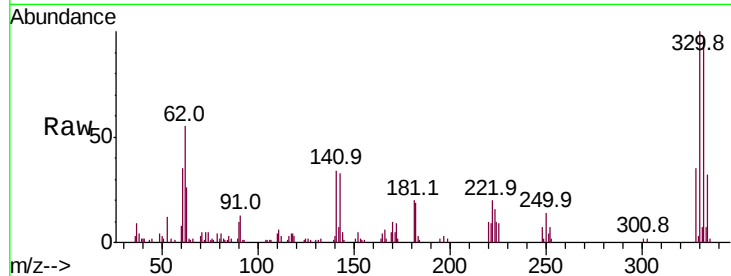
#41
 2,4,6-Tribromophenol
 Concen: 13.079 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108398.D
 Acq: 22 Aug 2018 22:06

Instrument :
 BNA_F
 ClientSampled :
 T26-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.3	77.0	115.6	
141	33.1	29.9	44.9	

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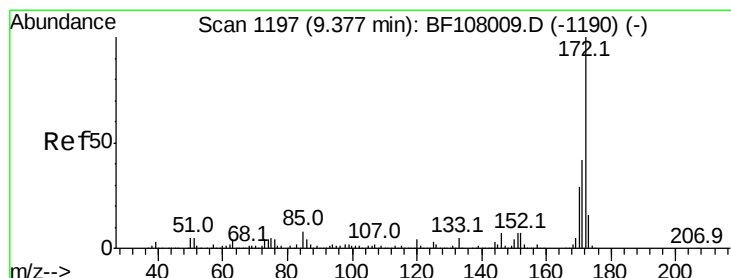
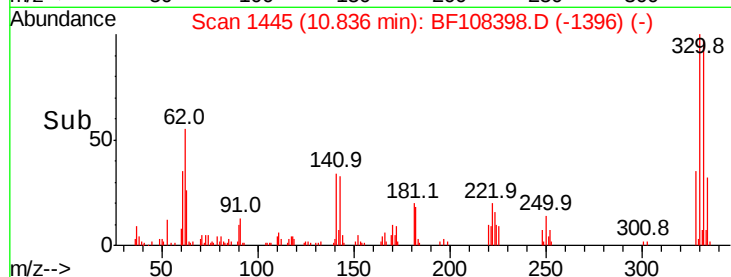
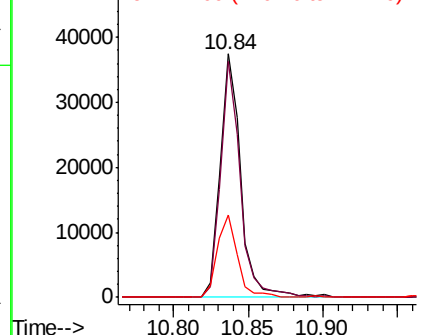


Abundance

Ion 329.80 (329.50 to 330.50): E

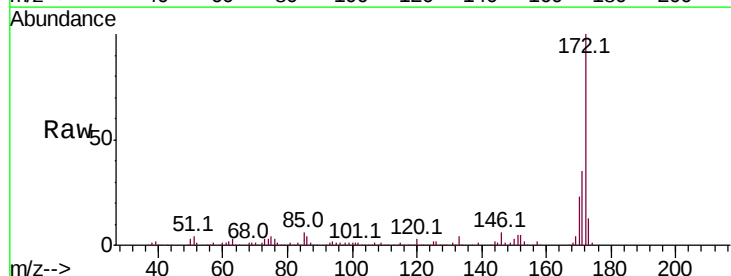
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 14.034 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108398.D
 Acq: 22 Aug 2018 22:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	29.7	44.5	
170	23.0	19.6	29.4	

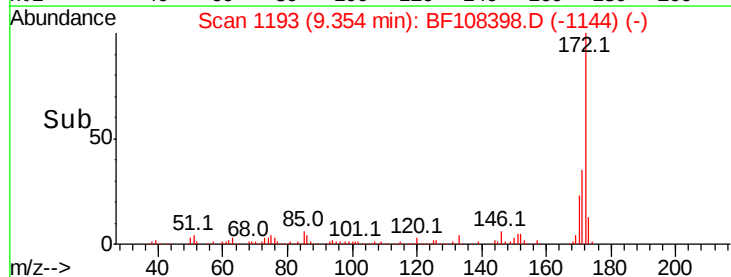
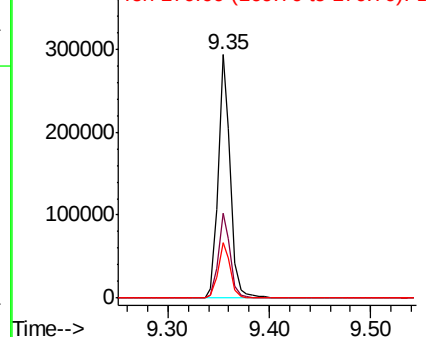


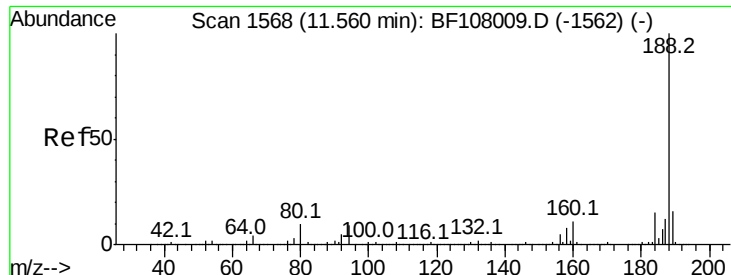
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





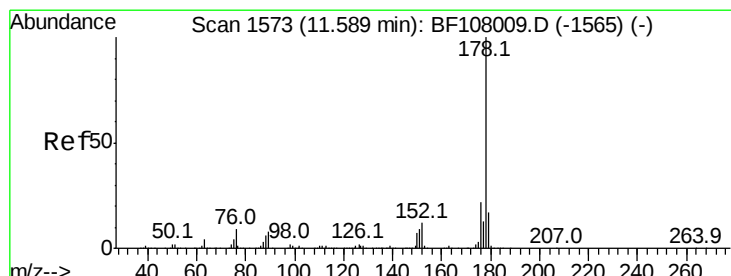
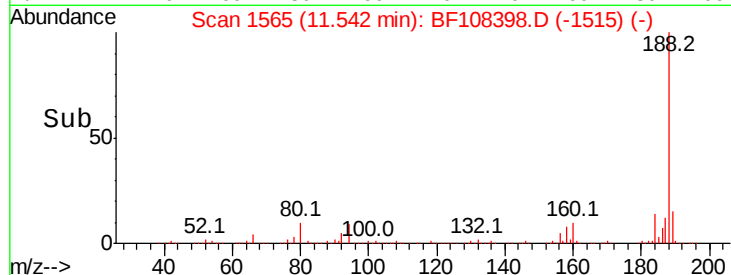
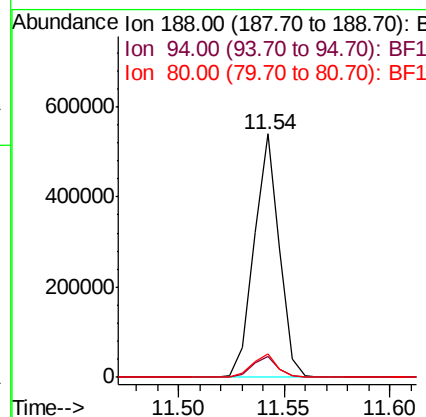
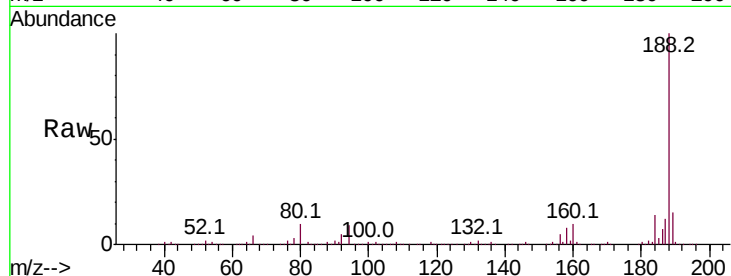
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108398.D
 Acq: 22 Aug 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 T26-COMP

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	8.5	12.7
80	9.6	9.2	13.8

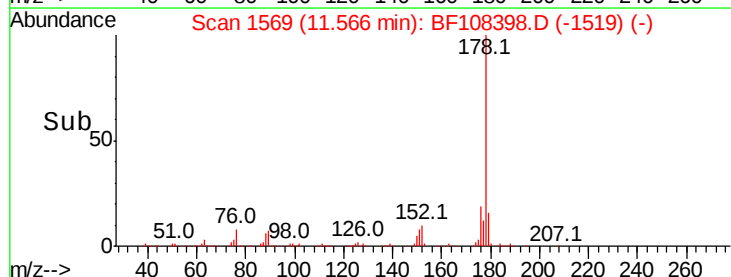
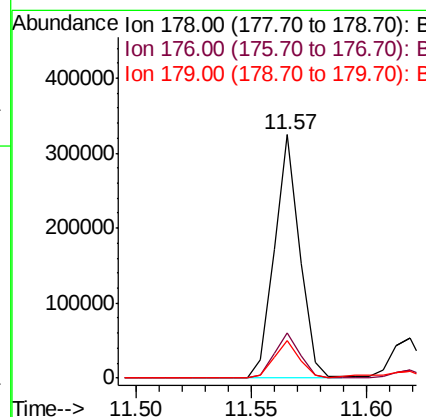
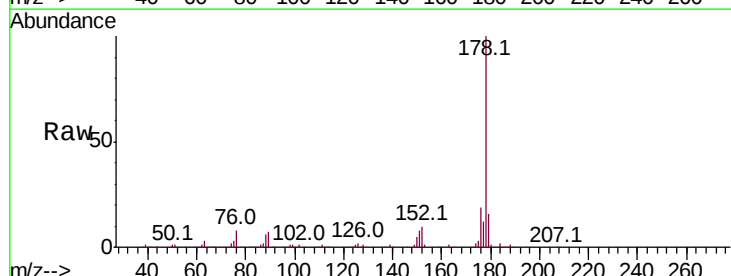
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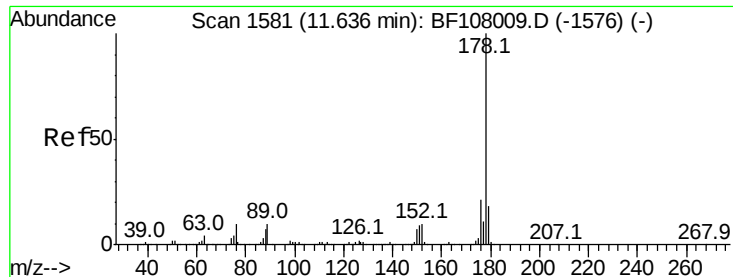
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#70
 Phenanthrene
 Concen: 11.731 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF108398.D
 Acq: 22 Aug 2018 22:06

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.5	13.0	19.6





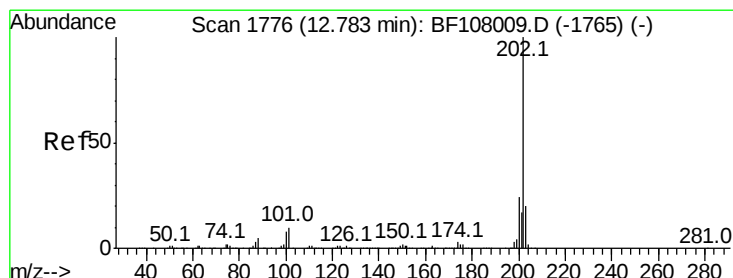
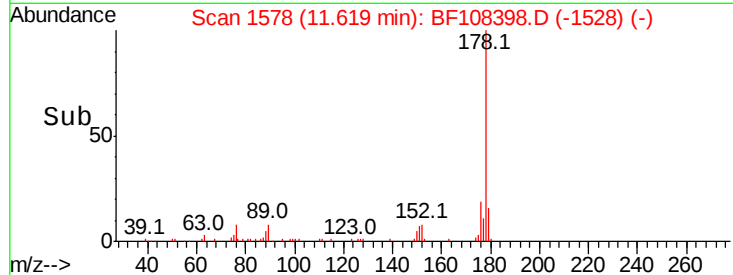
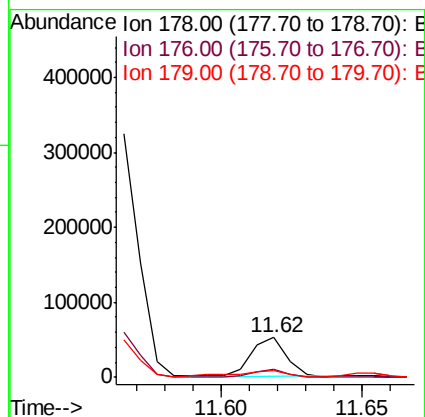
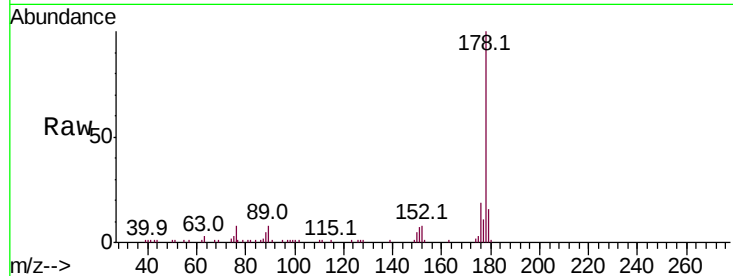
#71
 Anthracene
 Concen: 2.099 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF108398.D
 Acq: 22 Aug 2018 22:06

Instrument :
 BNA_F
 ClientSampleId :
 T26-COMP

Tot Ion:	178	Resp:	45365
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.4	23.2
179	15.8	12.6	19.0

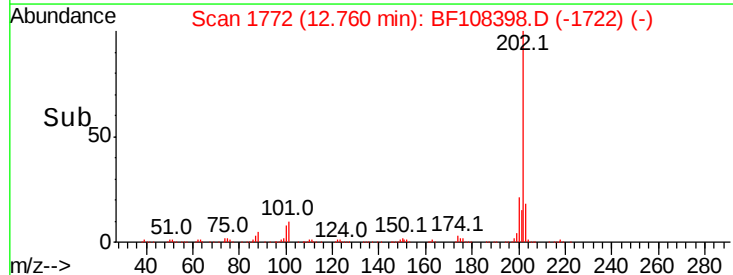
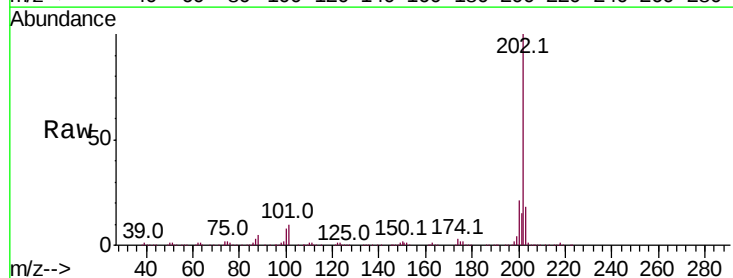
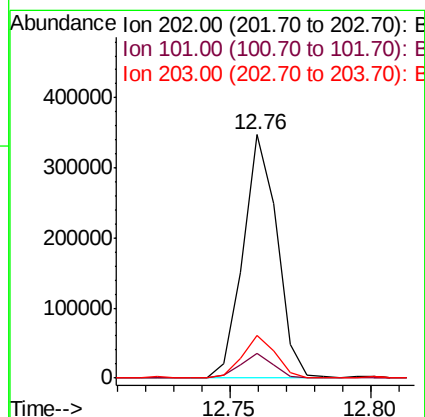
Manual Integrations
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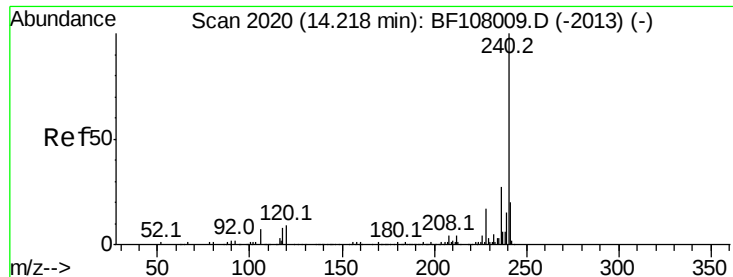
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#74
 Fluoranthene
 Concen: 12.626 ng
 RT: 12.76 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BF108398.D
 Acq: 22 Aug 2018 22:06

Tgt Ion:	202	Resp:	290606
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108398.D

Acq: 22 Aug 2018 22:06

Instrument :

BNA_F

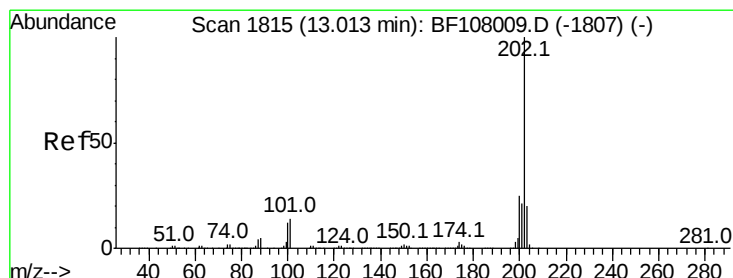
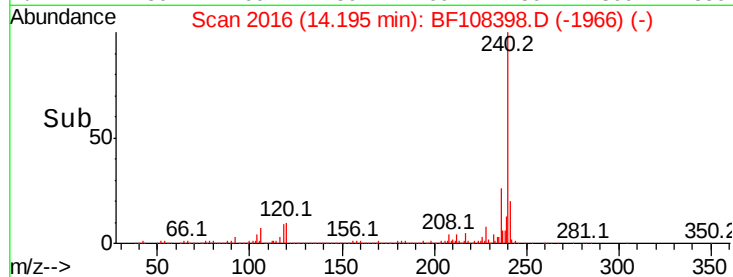
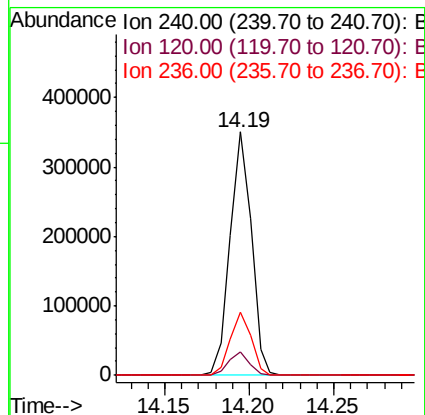
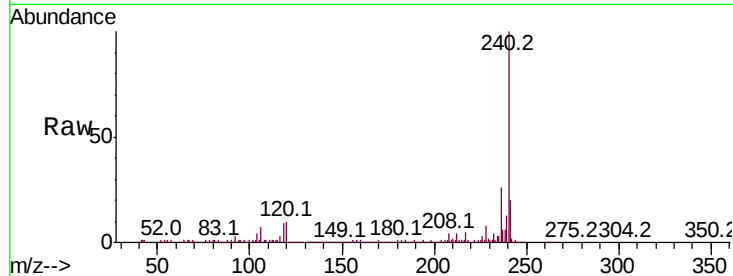
ClientSampleId :

T26-COMP

Tot Ion:	240	Resp:	308649
Ion Ratio	Lower	Upper	
240	100		
120	9.5	9.5	14.3
236	26.2	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 13.267 ng

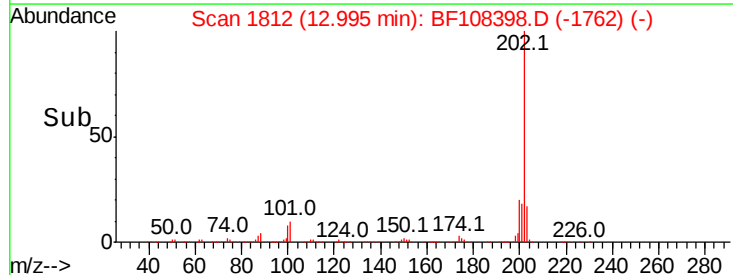
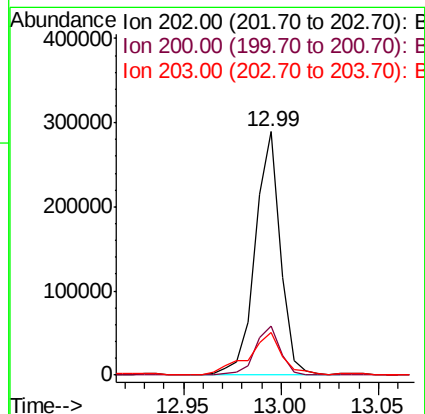
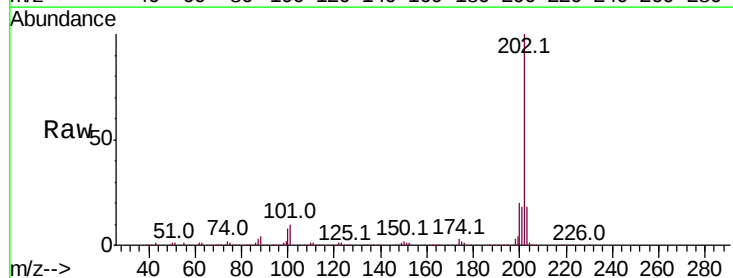
RT: 12.99 min Scan# 1812

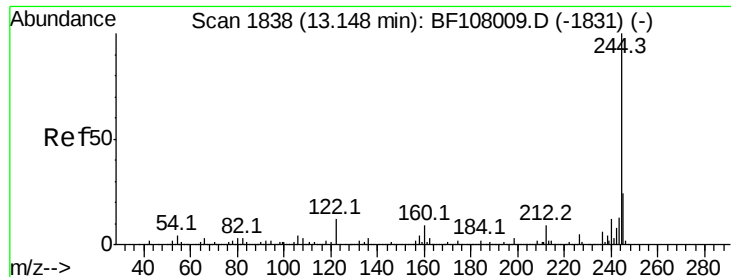
Delta R.T. -0.01 min

Lab File: BF108398.D

Acq: 22 Aug 2018 22:06

Tgt Ion:	202	Resp:	259237
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.4	26.2
203	17.7	14.3	21.5





#78

Terphenyl-d14

Concen: 13.714 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108398.D

Acq: 22 Aug 2018 22:06

Instrument :

BNA_F

ClientSampleId :

T26-COMP

Tot Ion:244 Resp: 166478

Ion Ratio Lower Upper

244 100

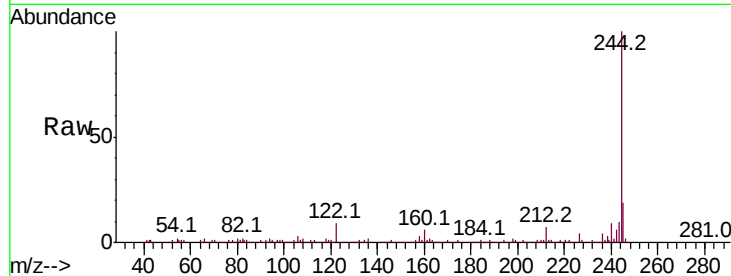
212 7.0 5.4 8.0

122 8.9 11.0 16.4#

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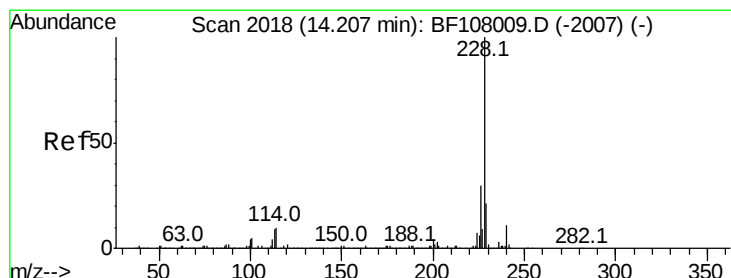
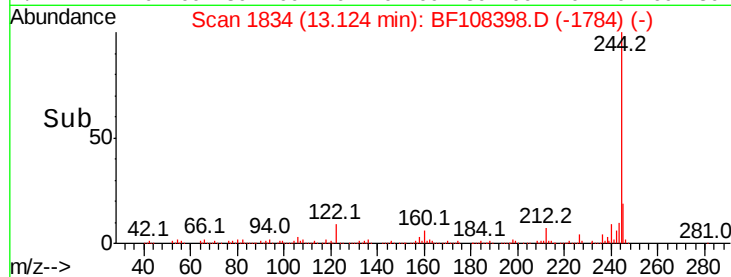
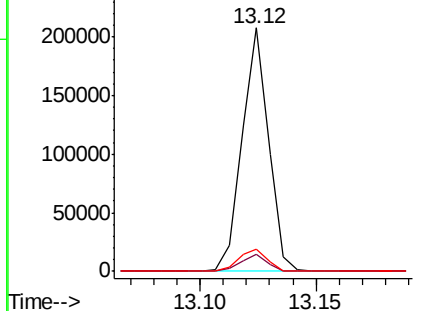
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 7.039 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF108398.D

Acq: 22 Aug 2018 22:06

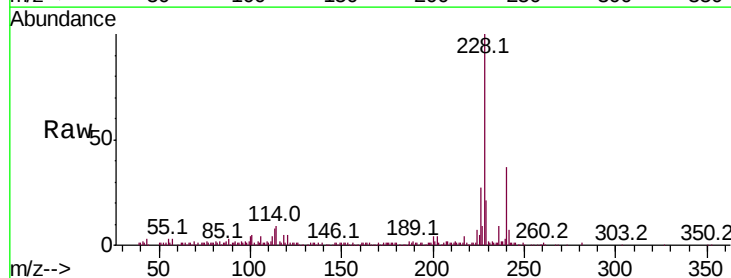
Tgt Ion:228 Resp: 124686

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

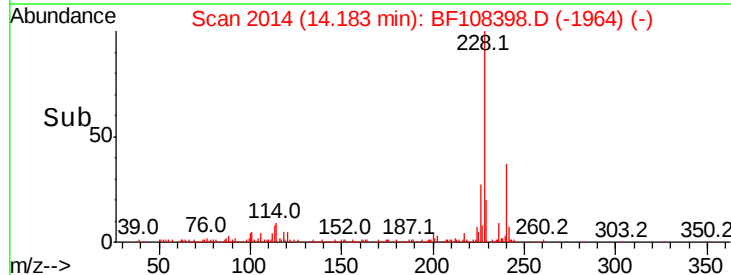
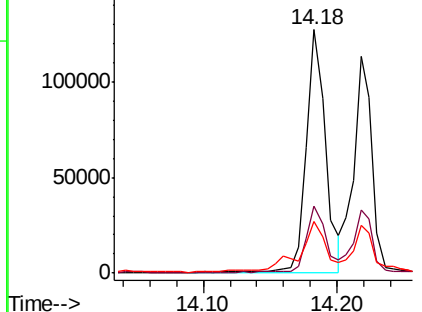
229 21.0 15.8 23.6

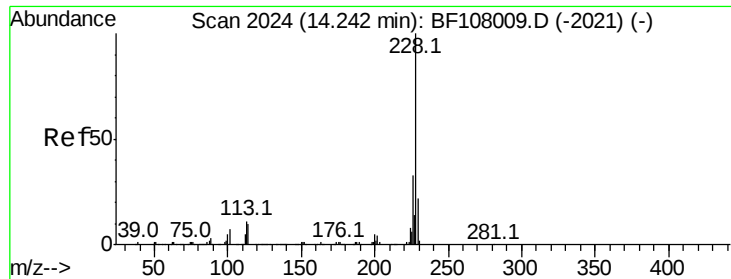


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





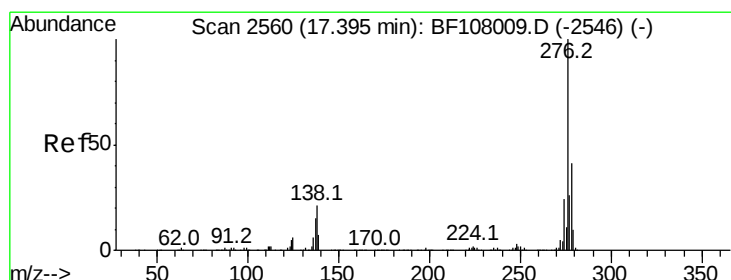
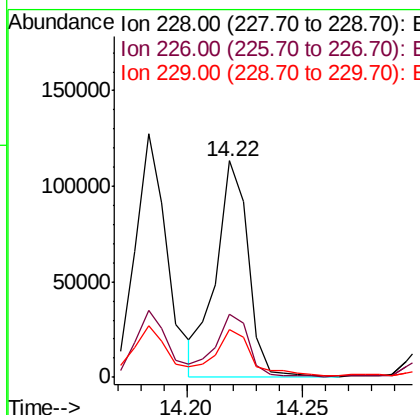
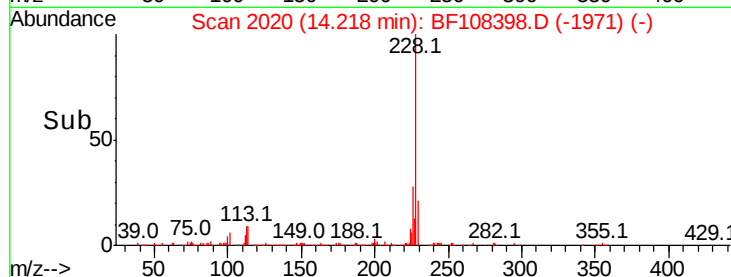
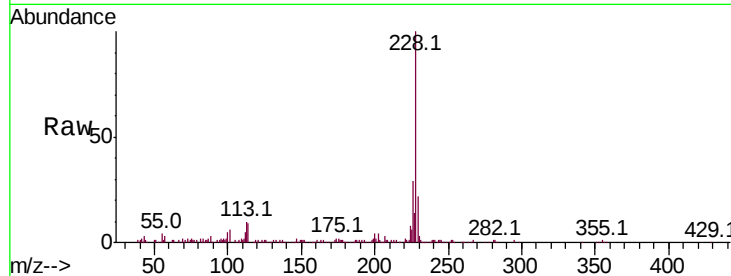
#82
Chrysene
Concen: 6.672 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
T26-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.0	37.6
229	21.9	16.2	24.4

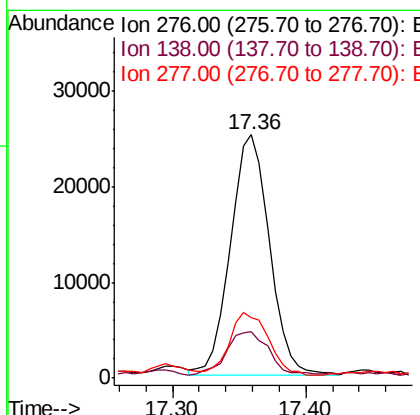
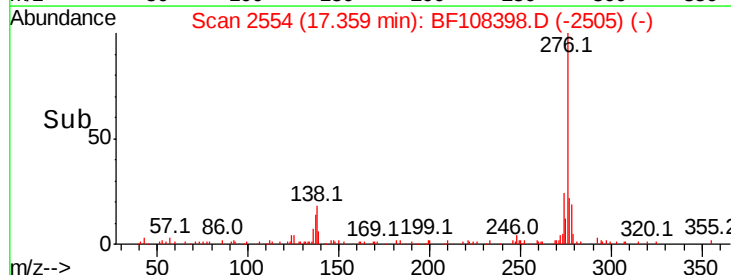
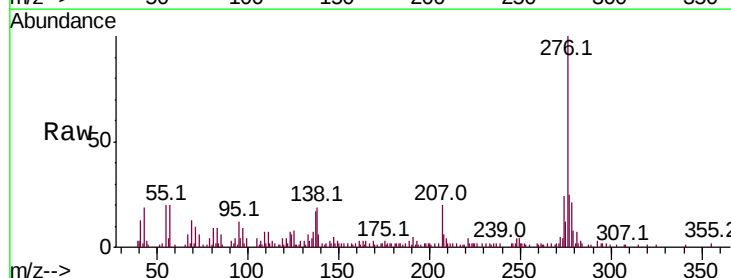
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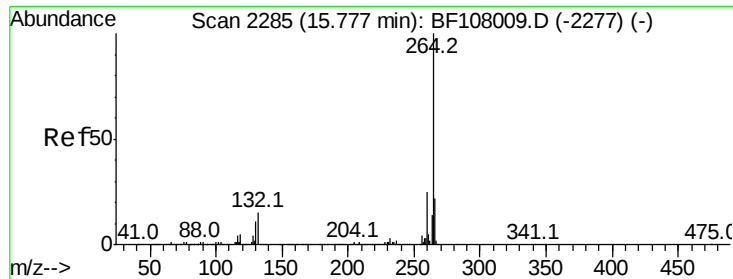
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.620 ng
RT: 17.36 min Scan# 2554
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	25.0	37.6#
277	25.4	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF108398.D

Acq: 22 Aug 2018 22:06

Instrument :

BNA_F

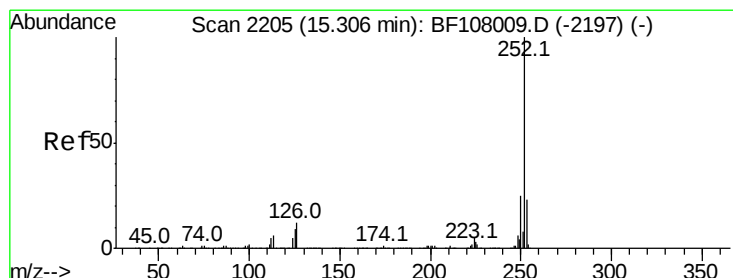
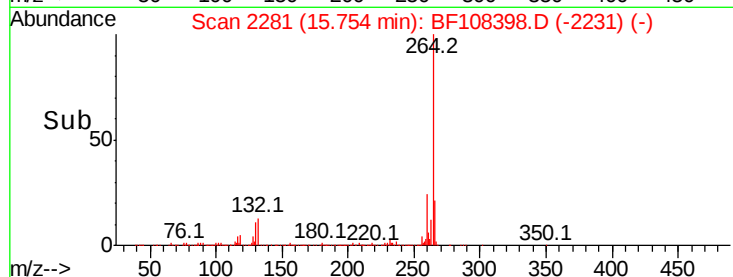
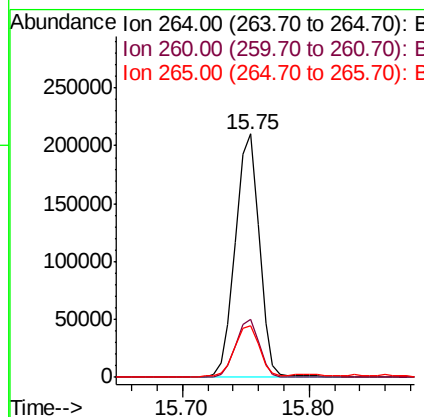
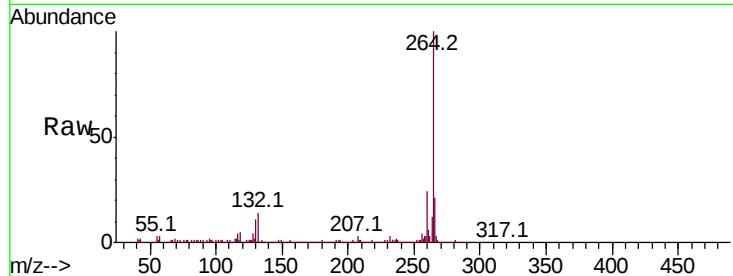
ClientSampled :

T26-COMP

Tot Ion:	264	Resp:	275807
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	21.3	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 8.630 ng m

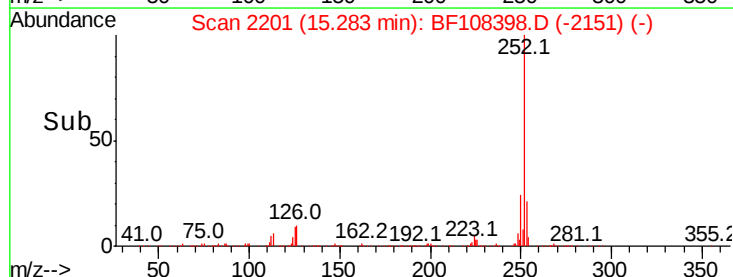
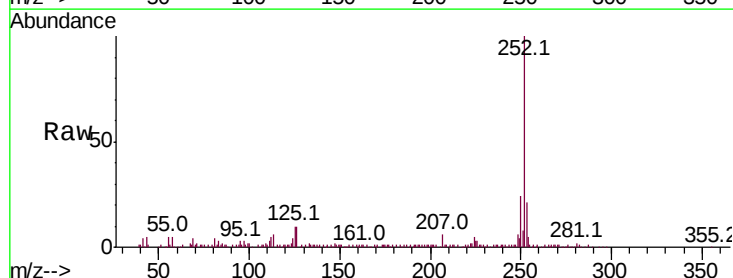
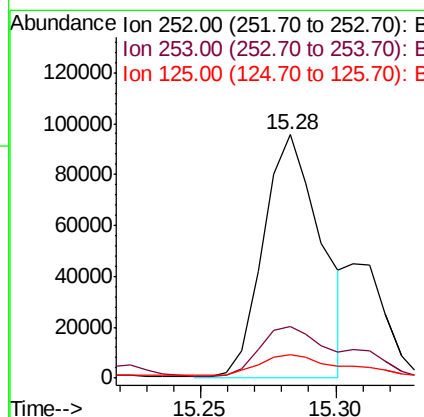
RT: 15.28 min Scan# 2201

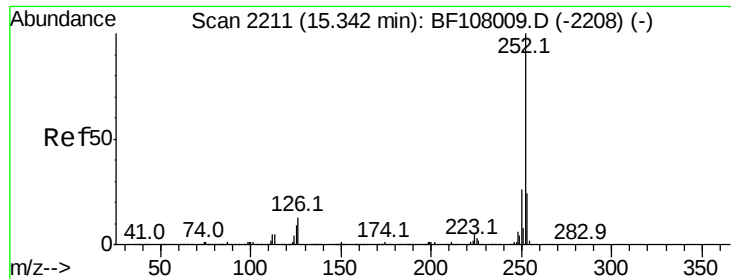
Delta R.T. -0.01 min

Lab File: BF108398.D

Acq: 22 Aug 2018 22:06

Tgt Ion:	252	Resp:	142222
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.0	25.6
125	9.8	9.0	13.6





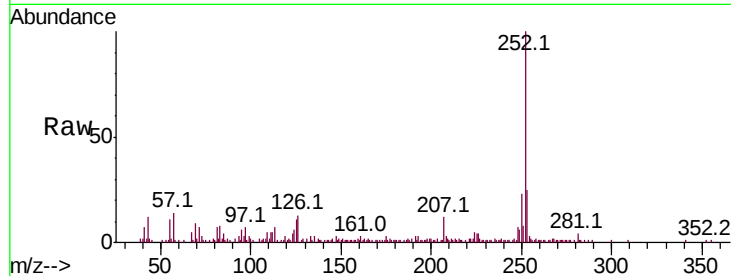
#88
Benzo(k)fluoranthene
Concen: 2.992 ng m
RT: 15.31 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

Instrument :
BNA_F
ClientSampleId :
T26-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	10.8	10.2	15.2

Manual Integrations
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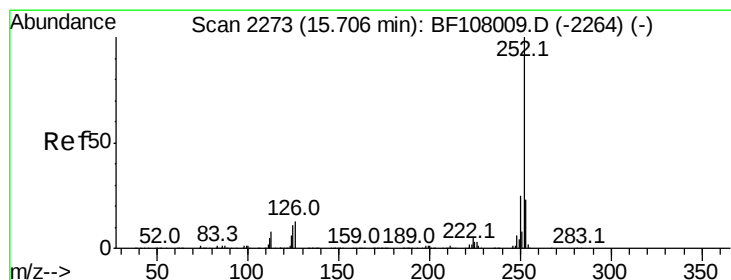
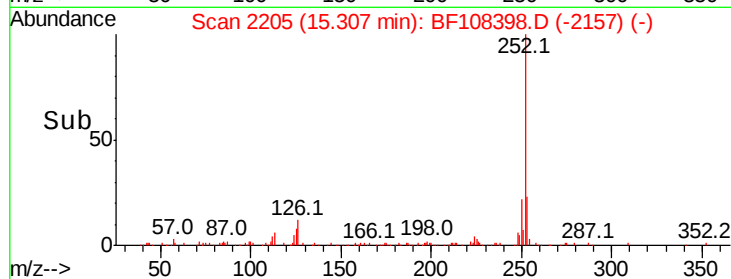
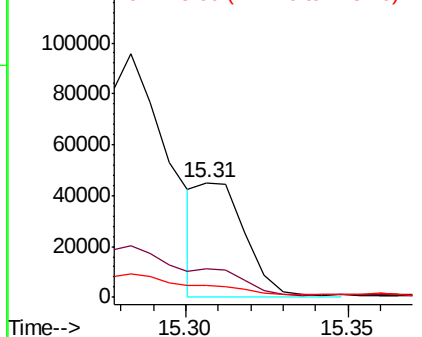


Abundance

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



#89
Benzo(a)pyrene
Concen: 7.022 ng m
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108398.D
Acq: 22 Aug 2018 22:06

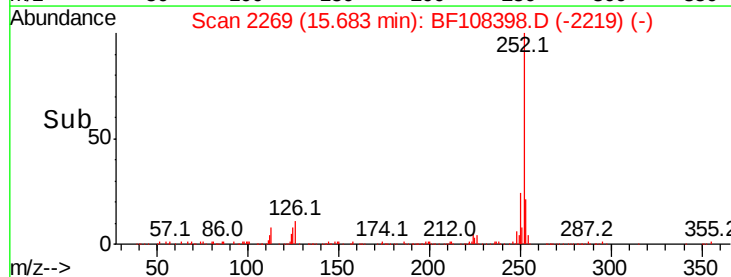
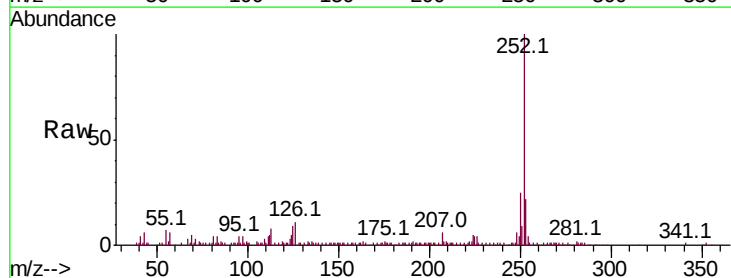
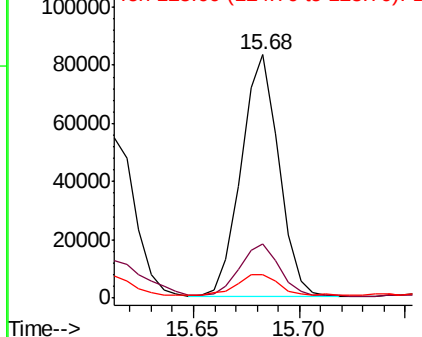
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	9.4	9.8	14.6

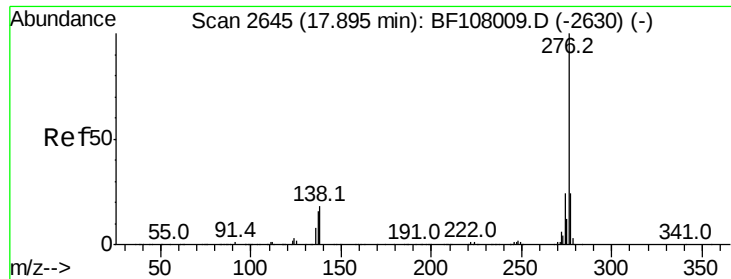
Abundance

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





#91
 Benzo(a,h,i)perylene
 Concen: 4.149 ng
 RT: 17.85 min Scan# 2637
 Delta R.T. -0.02 min
 Lab File: BF108398.D
 Acq: 22 Aug 2018 22:06

Instrument :
 BNA_F
 ClientSampled :
 T26-COMP

Tot Ion:	276	Resp:	49890
Ion Ratio	Lower	Upper	
276	100		
277	23.6	17.9	26.9
138	25.5	21.8	32.8

Manual Integrations
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