

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
 Data File : BF101477.D
 Acq On : 18 Dec 2017 13:42
 Operator : SJ/JU
 Sample : I6679-07 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121317-C

Manual Integrations
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Quant Time: Dec 18 15:57:43 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	159216	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	638669	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	284037	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	497535	20.00	ng	0.00
75) Chrysene-d12	13.99	240	300521	20.00	ng	0.00
86) Perylene-d12	15.46	264	333789	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	227800	21.31	ng	0.00
7) Phenol-d6	6.45	99	281125	21.13	ng	0.00
23) Nitrobenzene-d5	7.37	82	165434	14.42	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	53923	19.70	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	327470	17.88	ng	0.00
78) Terphenyl-d14	12.92	244	243395	19.53	ng	0.00
Target Compounds						
70) Phenanthrene	11.36	178	128537	4.646	ng	Qvalue 97
74) Fluoranthene	12.55	202	233755	8.049	ng	97
77) Pyrene	12.78	202	240402	10.659	ng	99
80) Benzo(a)anthracene	13.97	228	111851	5.637	ng	98
82) Chrysene	14.01	228	97102	5.183	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	76088	4.560	ng	# 92
87) Benzo(b)fluoranthene	15.03	252	145150m	7.134	ng	
88) Benzo(k)fluoranthene	15.05	252	48080m	2.431	ng	
89) Benzo(a)pyrene	15.39	252	121456	6.476	ng	# 94
91) Benzo(g,h,i)perylene	17.39	276	80253	5.033	ng	# 93

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

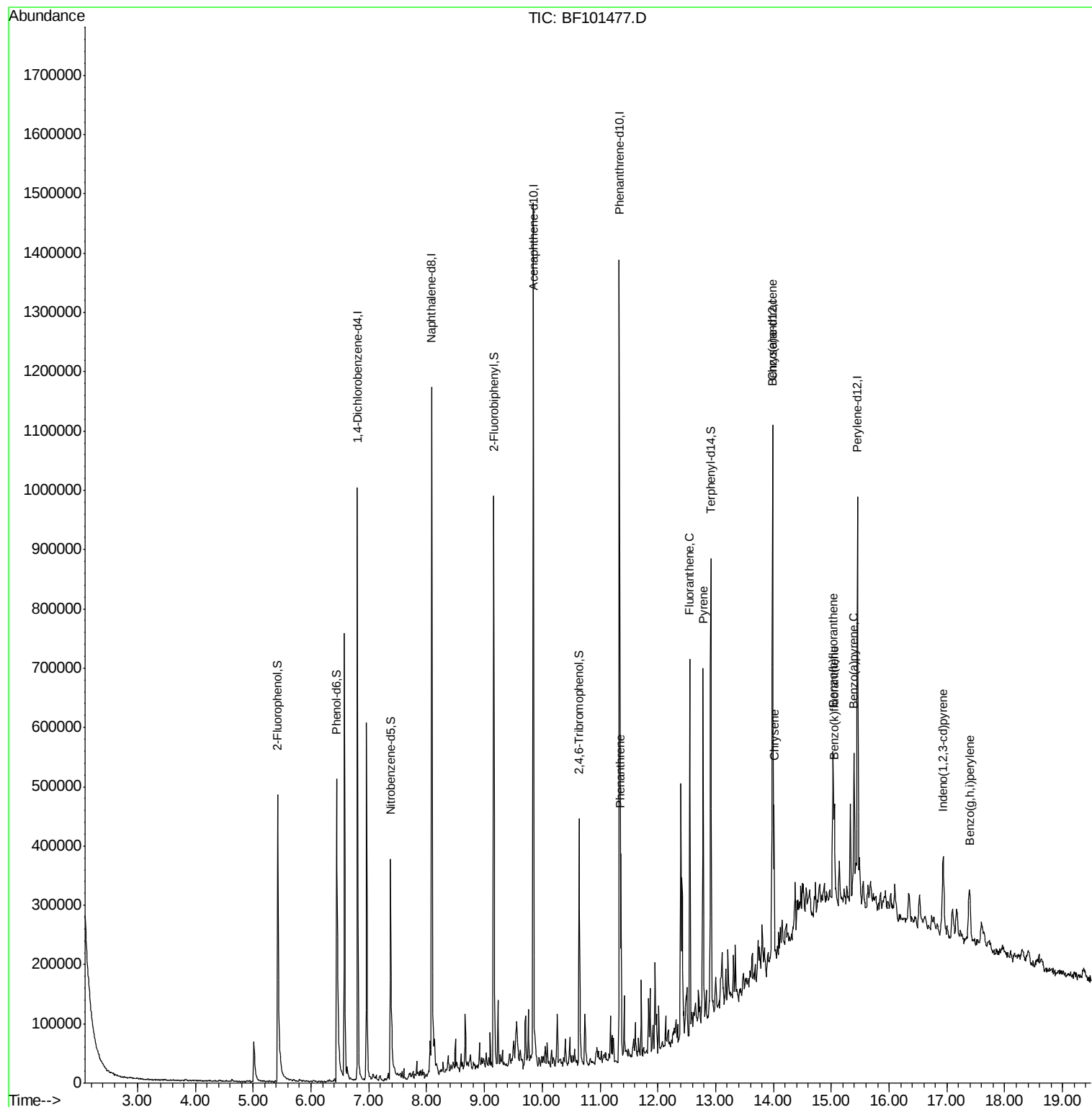
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101477.D
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Misc :
ALS Vial : 6 Sample Multiplier: 1

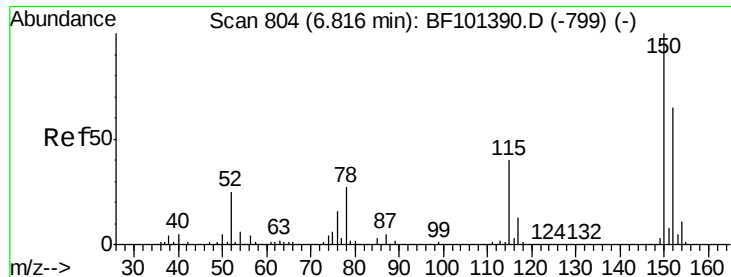
Instrument :
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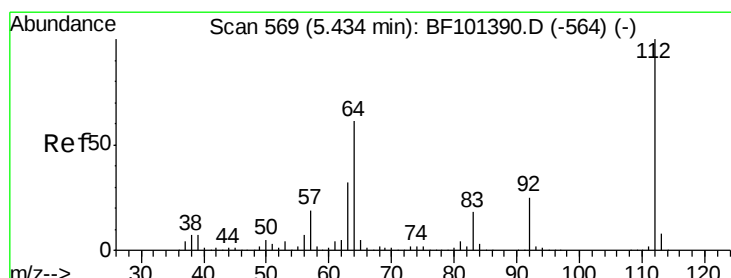
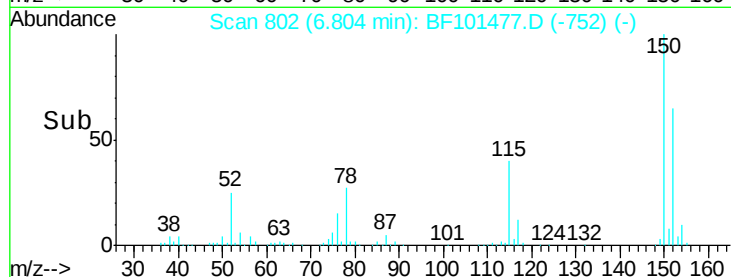
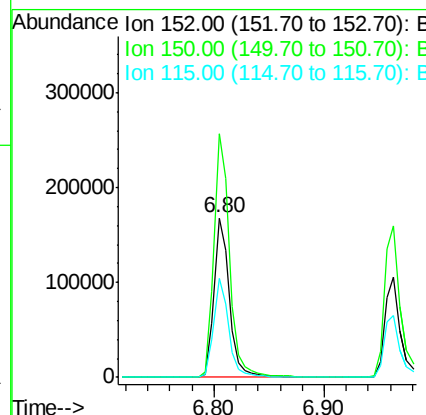
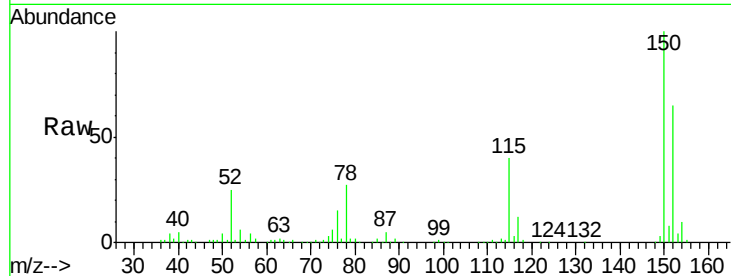
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF101477.D
 Acq: 18 Dec 2017 13:42

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121317-C

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	159216		
150	152.7	124.6	186.8	
115	61.8	50.1	75.1	

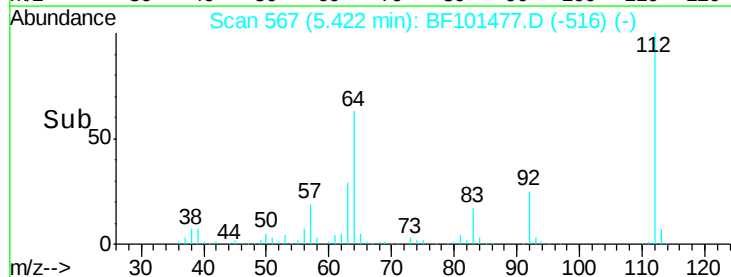
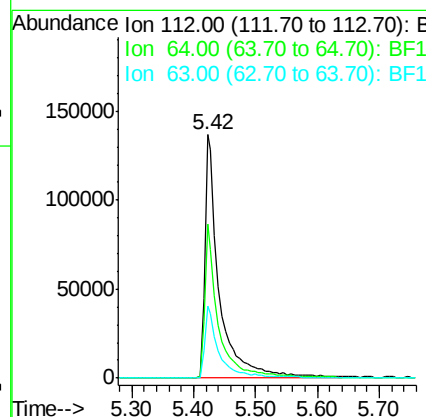
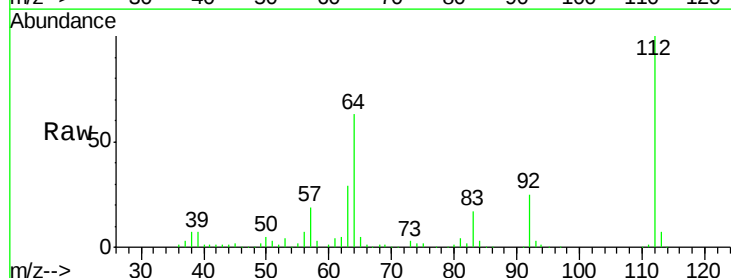
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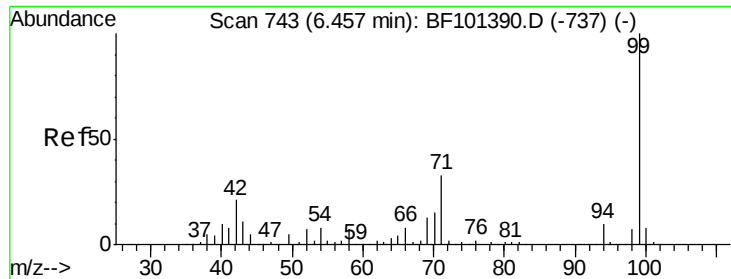
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#5
 2-Fluorophenol
 Concen: 21.312 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: BF101477.D
 Acq: 18 Dec 2017 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	227800		
64	63.2	47.9	71.9	
63	29.4	23.7	35.5	





#7

Phenol-d6

Concen: 21.133 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF101477.D

Acq: 18 Dec 2017 13:42

Instrument :

BNA_F

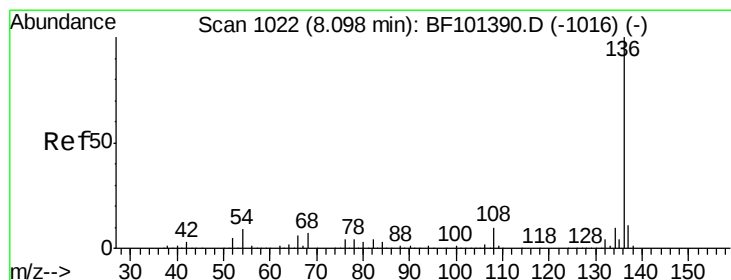
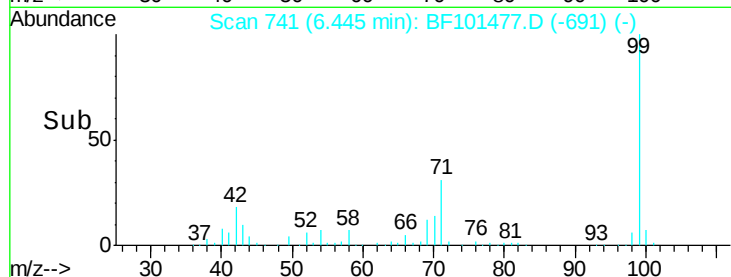
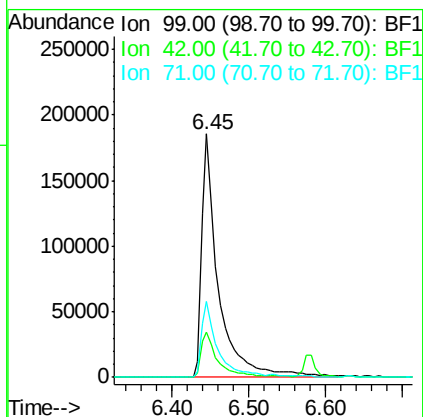
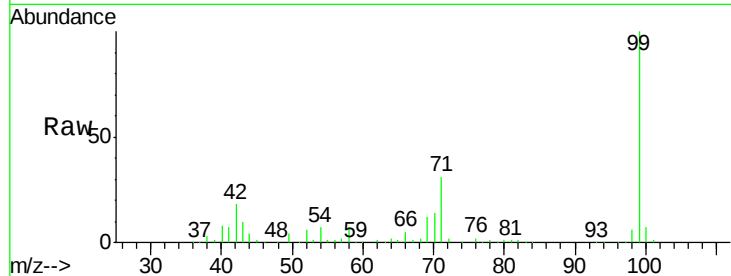
ClientSampleId :

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Tgt Ion:	99	Resp:	281125
Ion Ratio	Lower	Upper	
99	100		
42	18.3	14.5	21.7
71	31.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

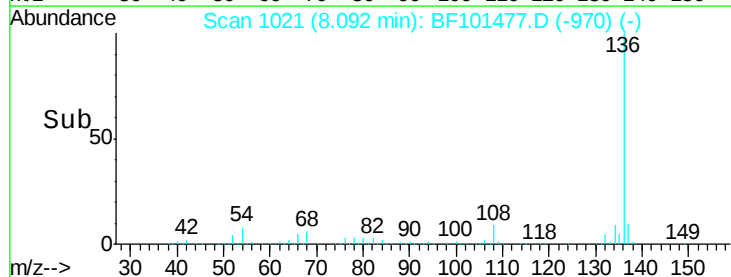
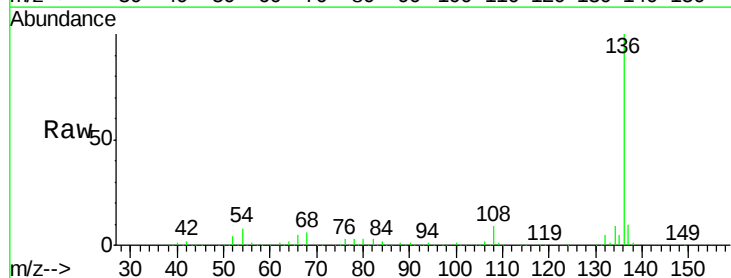
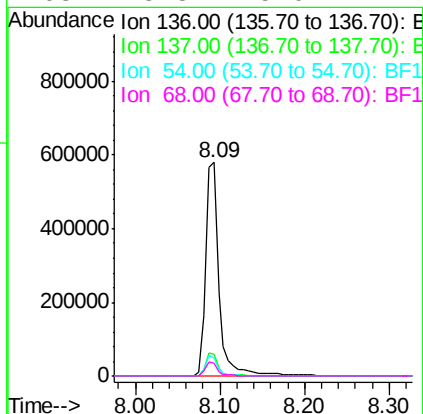
RT: 8.09 min Scan# 1021

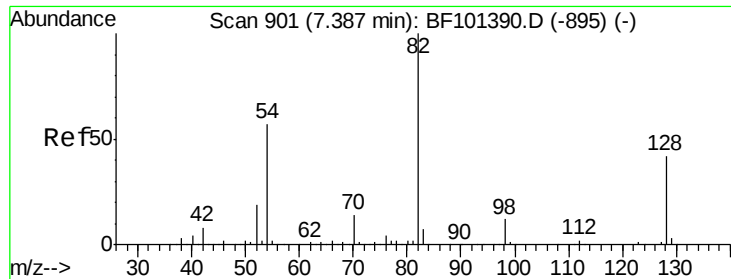
Delta R.T. 0.00 min

Lab File: BF101477.D

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Tgt Ion:	136	Resp:	638669
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.9	13.3
54	8.2	6.6	9.8
68	5.8	5.0	7.4





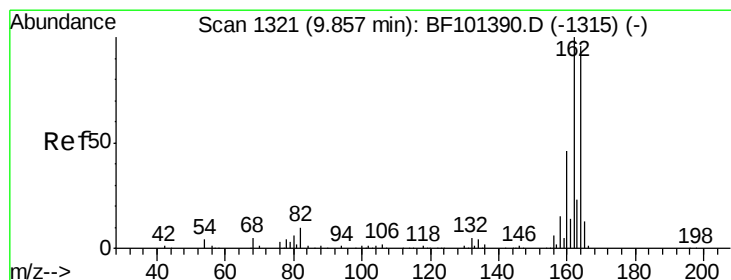
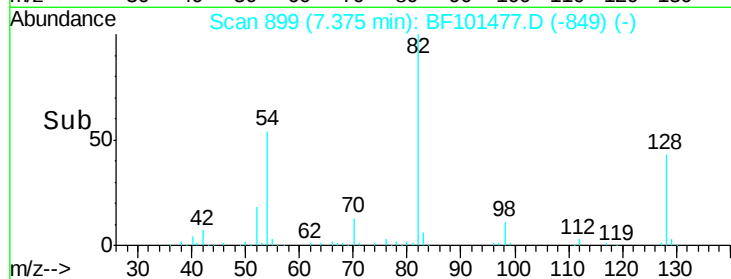
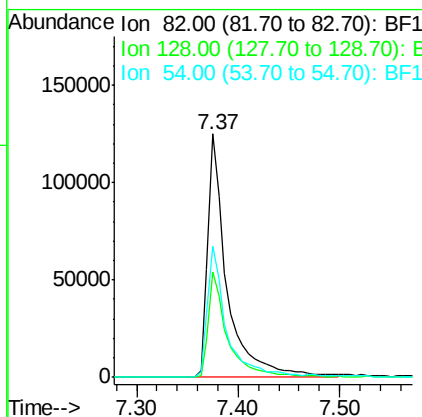
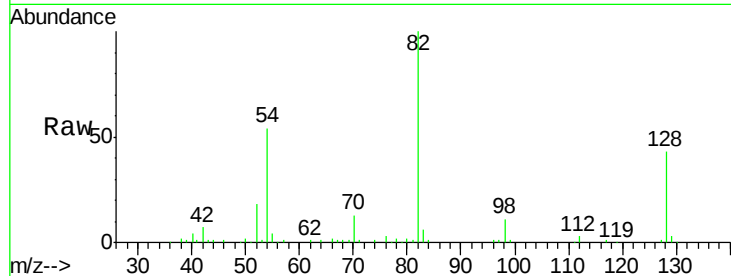
#23
 Nitrobenzene-d5
 Concen: 14.419 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF101477.D
 Acq: 18 Dec 2017 13:42

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121317-C

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	53.9	41.4	62.2

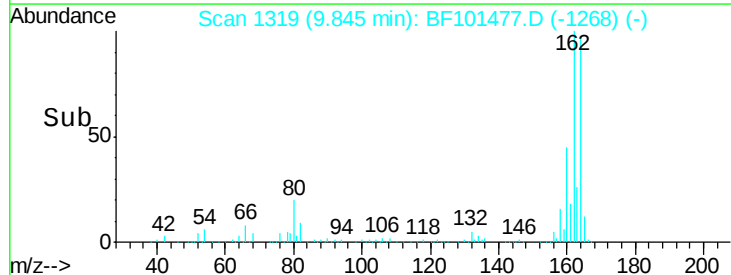
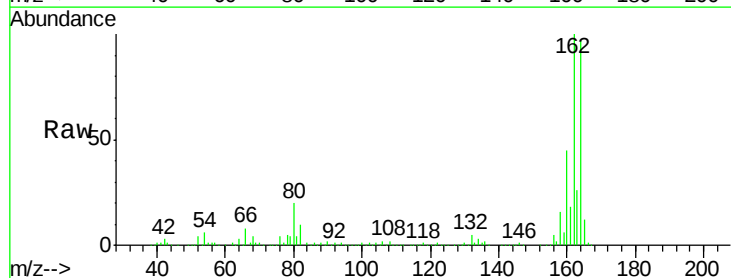
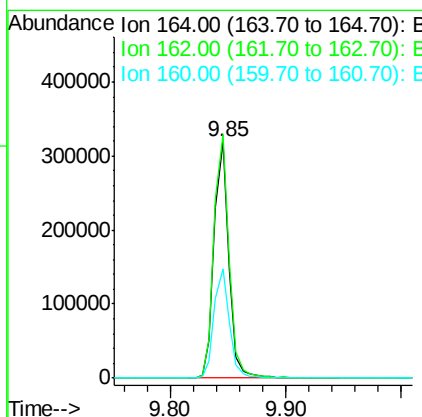
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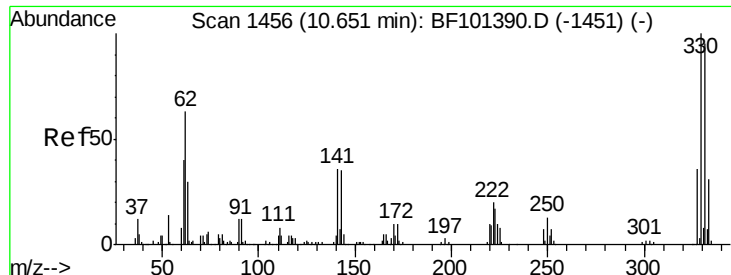
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: BF101477.D
 Acq: 18 Dec 2017 13:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	86.1	129.1
160	46.3	38.3	57.5





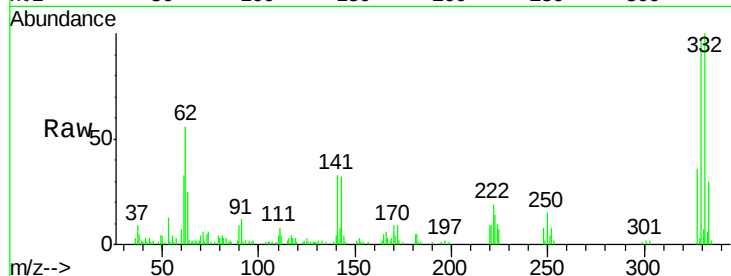
#41
 2,4,6-Tribromophenol
 Concen: 19.702 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF101477.D
 Acq: 18 Dec 2017 13:42

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121317-C

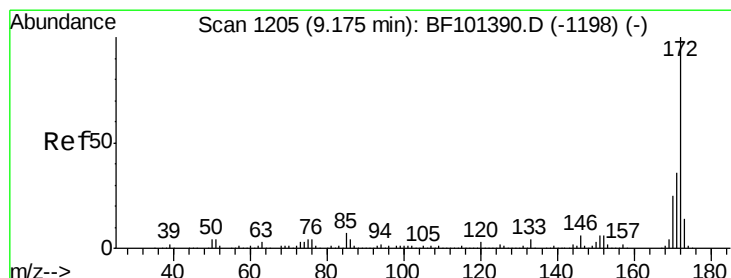
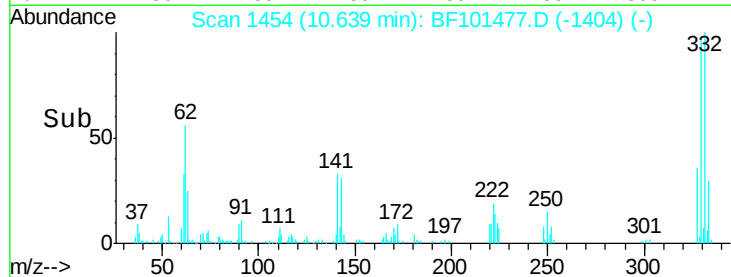
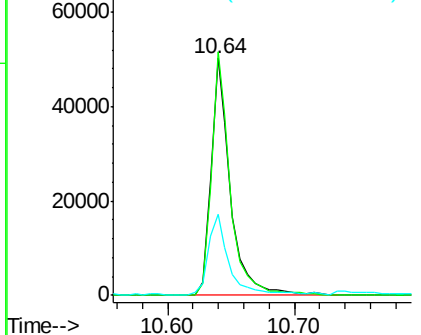
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	53923		
332	99.2	77.0	115.6	
141	37.5	29.9	44.9	

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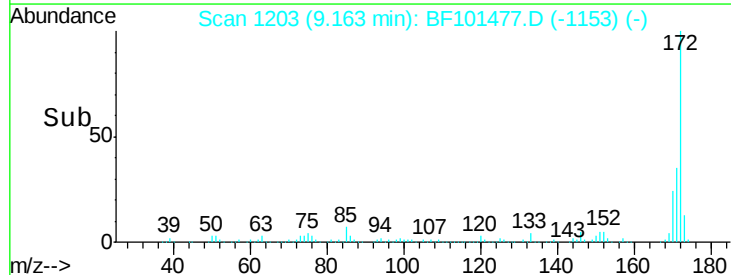
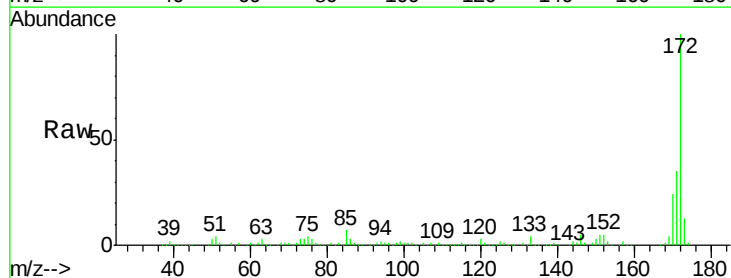
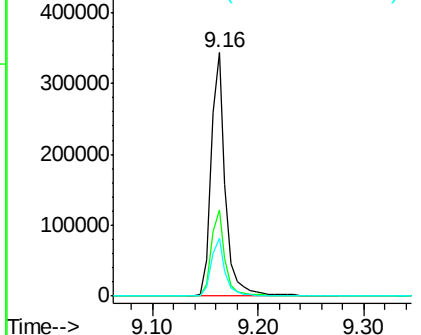
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

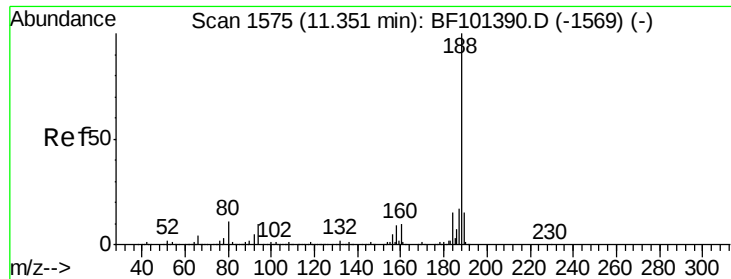


#44
 2-Fluorobiphenyl
 Concen: 17.884 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101477.D
 Acq: 18 Dec 2017 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	327470		
171	35.2	29.7	44.5	
170	23.6	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





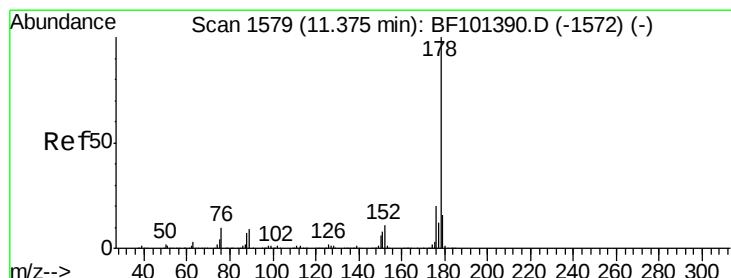
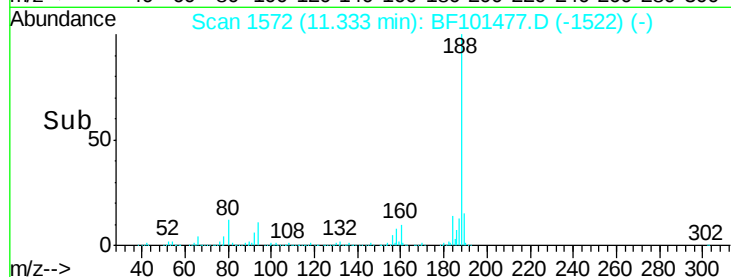
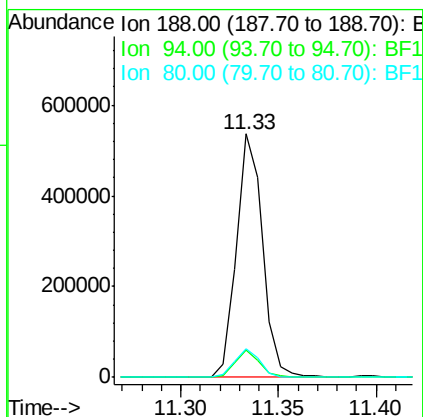
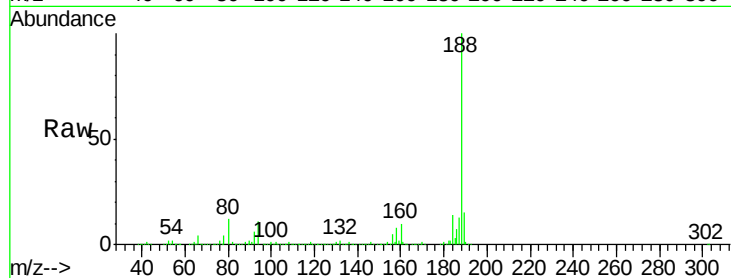
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF101477.D
Acq: 18 Dec 2017 13:42

Instrument :
BNA_F
ClientSampleId :
HR-05-121317-C

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.2	8.5	12.7
80	12.0	9.2	13.8

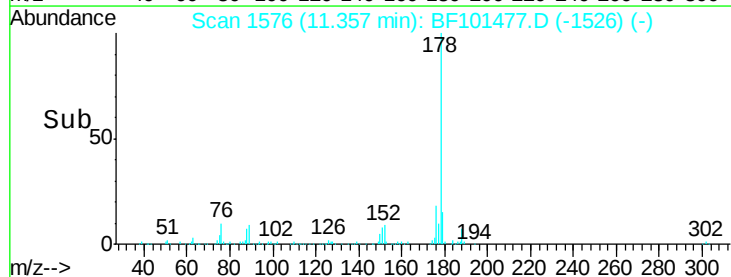
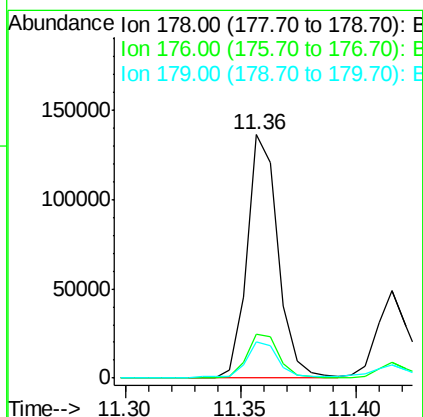
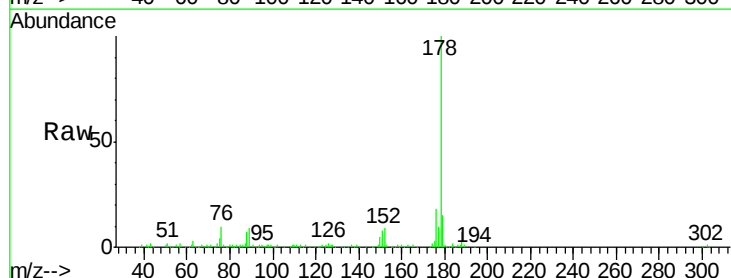
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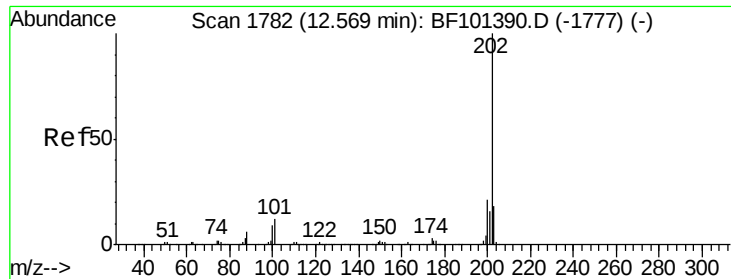
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#70
Phenanthrene
Concen: 4.646 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF101477.D
Acq: 18 Dec 2017 13:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.1	15.8	23.8
179	15.1	13.0	19.6





#74

Fluoranthene

Concen: 8.049 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF101477.D

Acq: 18 Dec 2017 13:42

Instrument :

BNA_F

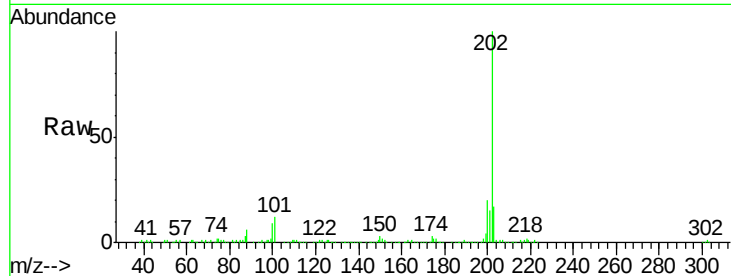
ClientSampleId :

HR-05-121317-C

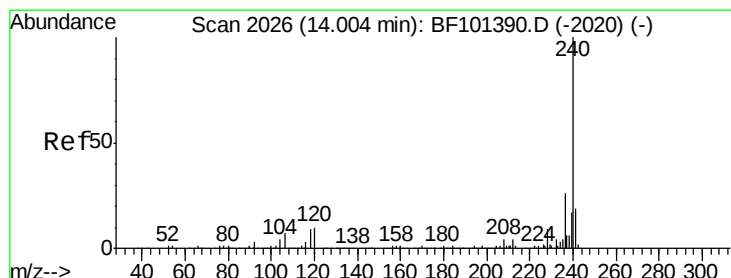
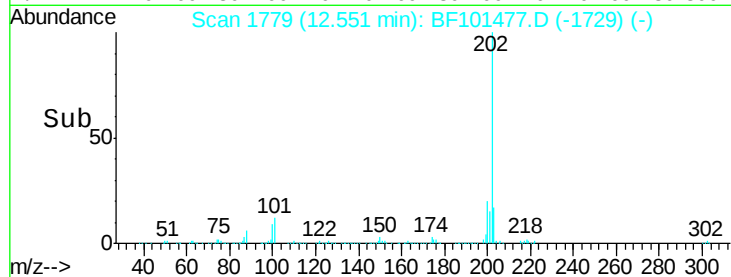
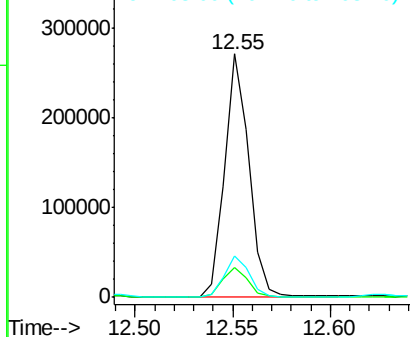
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		233755		
101	12.1	0.0	34.1		
203	17.1	0.0	38.1		

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

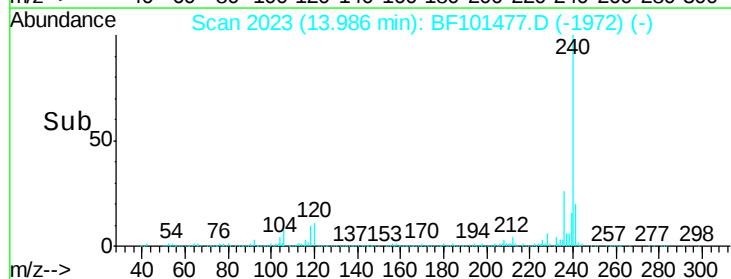
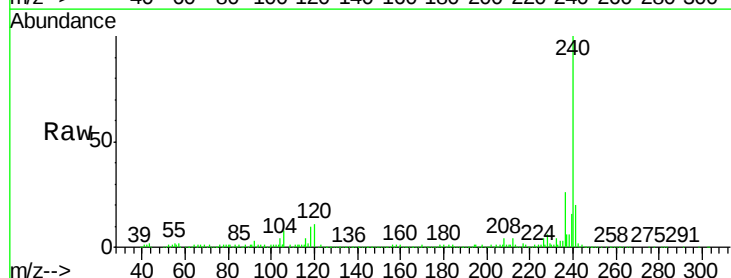
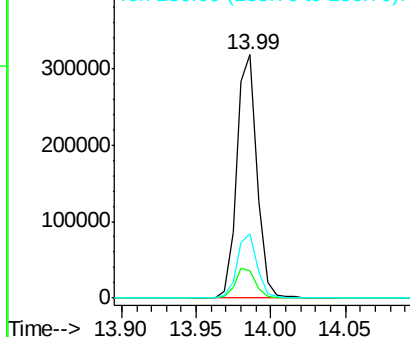
Delta R.T. 0.00 min

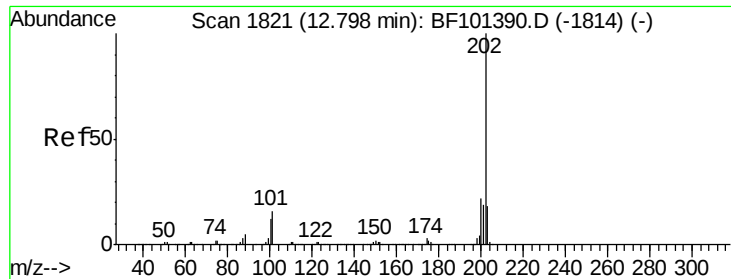
Lab File: BF101477.D

Acq: 18 Dec 2017 13:42

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		300521		
120	11.0	9.5	14.3		
236	26.4	20.7	31.1		

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





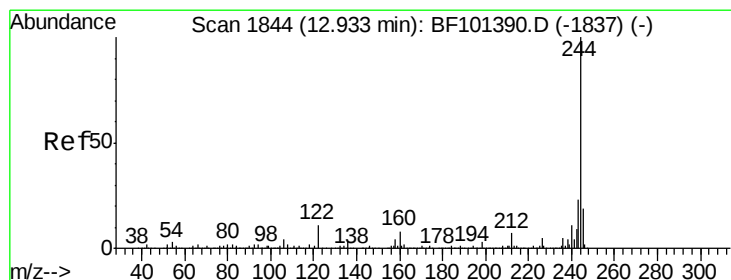
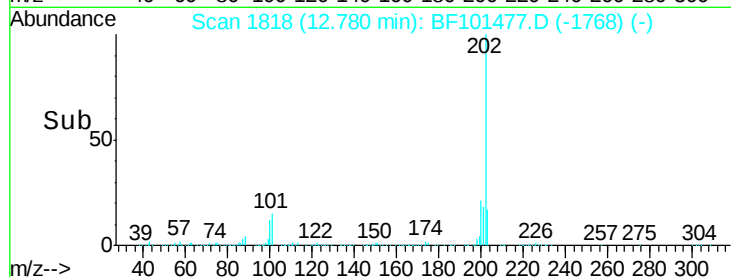
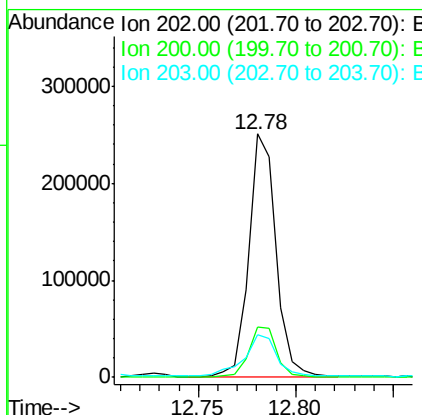
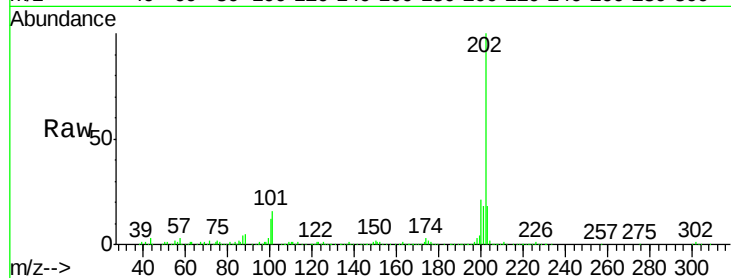
#77
Pyrene
Concen: 10.659 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF101477.D
Acq: 18 Dec 2017 13:42

Instrument :
BNA_F
ClientSampleId :
HR-05-121317-C

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	240402		
200	20.7		17.4	26.2
203	17.7		14.3	21.5

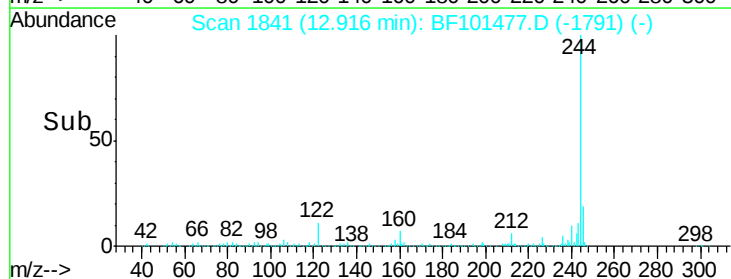
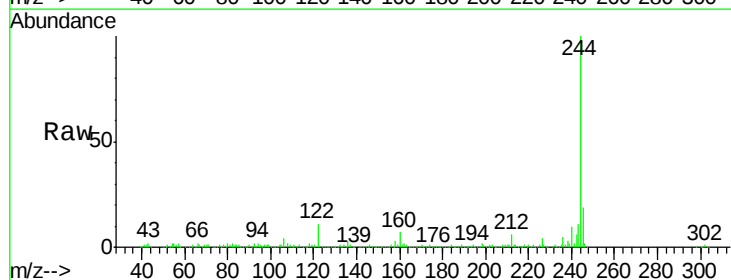
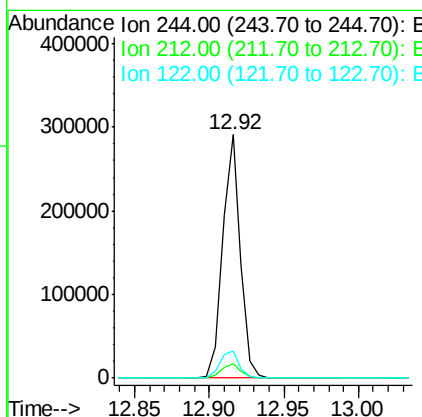
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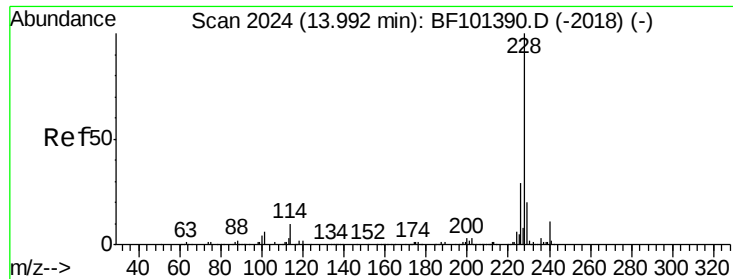
Sohil
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#78
Terphenyl-d14
Concen: 19.525 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF101477.D
Acq: 18 Dec 2017 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	243395		
212	6.2		5.4	8.0
122	11.1		11.0	16.4





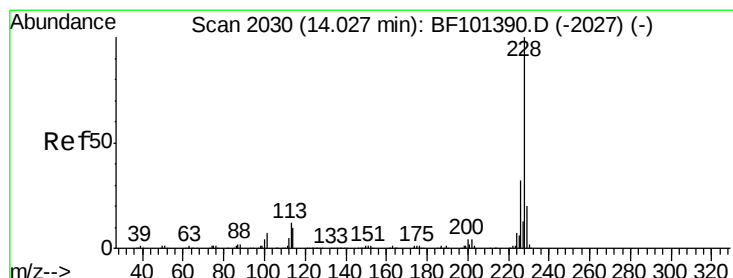
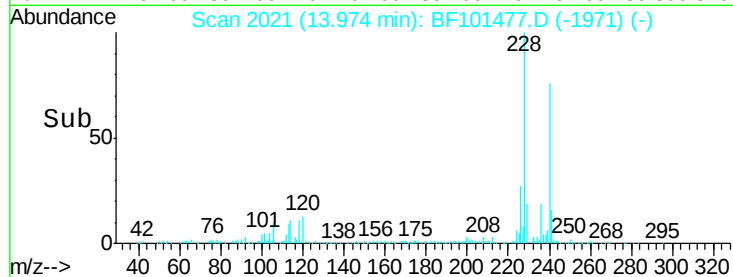
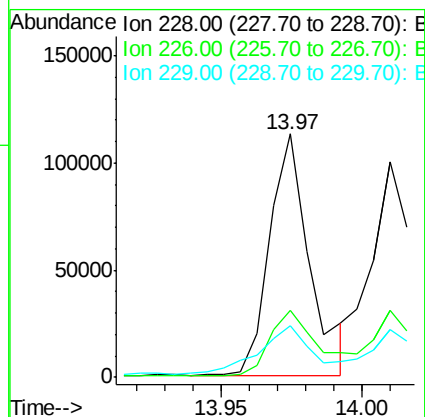
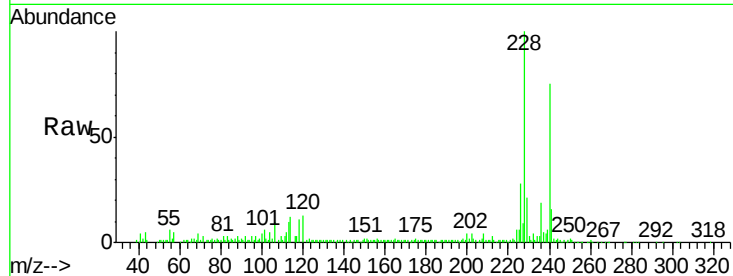
#80
Benzo(a)anthracene
Concen: 5.637 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF101477.D
Acq: 18 Dec 2017 13:42

Instrument :
BNA_F
ClientSampleId :
HR-05-121317-C

Tgt Ion:	228	Resp:	111851
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.6	33.8
229	21.0	15.8	23.6

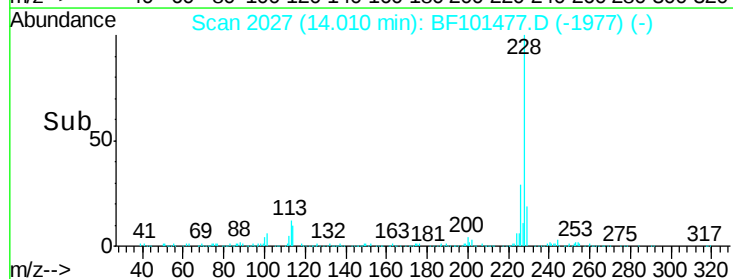
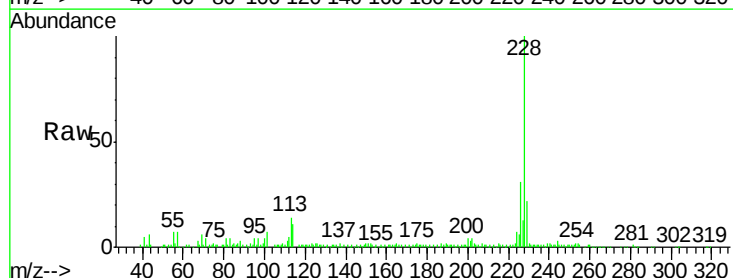
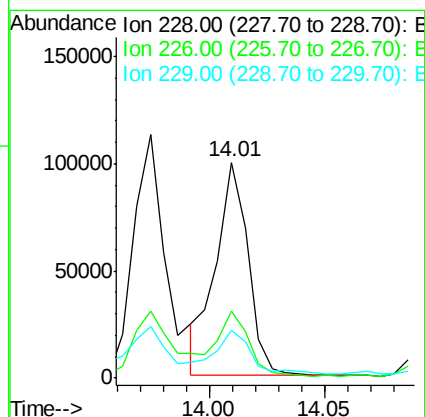
Manual Integrations
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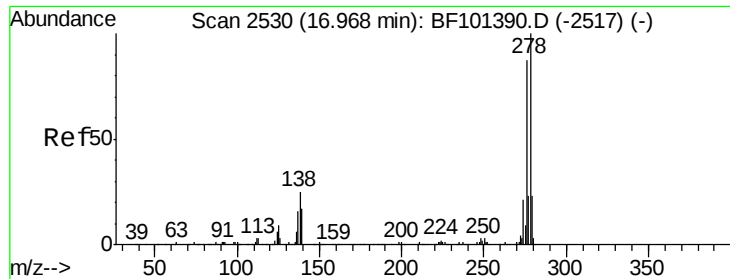
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#82
Chrysene
Concen: 5.183 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF101477.D
Acq: 18 Dec 2017 13:42

Tgt Ion:	228	Resp:	97102
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	21.8	16.2	24.4





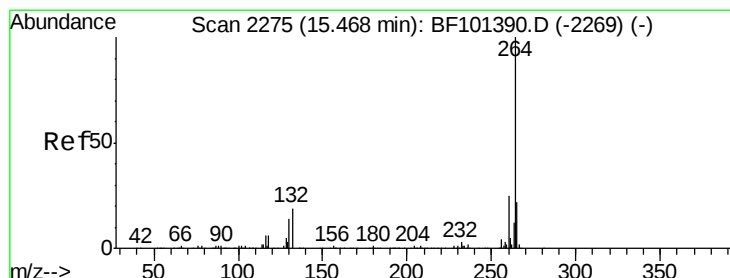
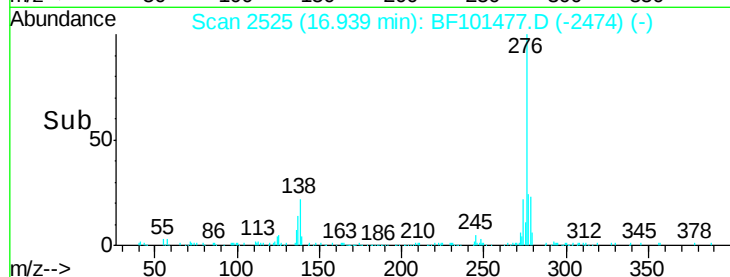
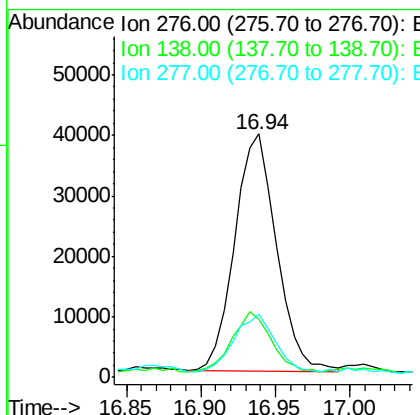
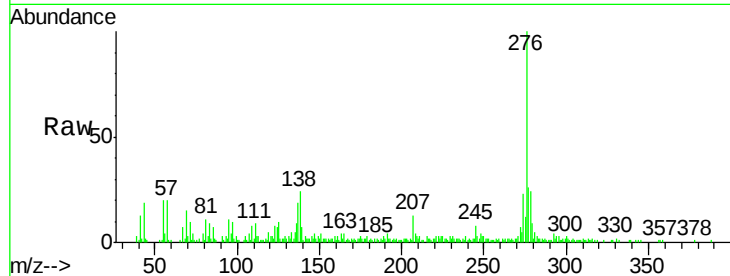
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.560 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.00 min
Lab File: BF101477.D
Acq: 18 Dec 2017 13:42

Instrument :
BNA_F
ClientSampleId :
HR-05-121317-C

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	25.0	37.6#
277	23.8	20.1	30.1

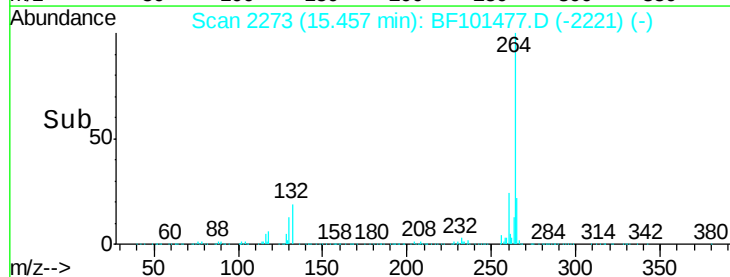
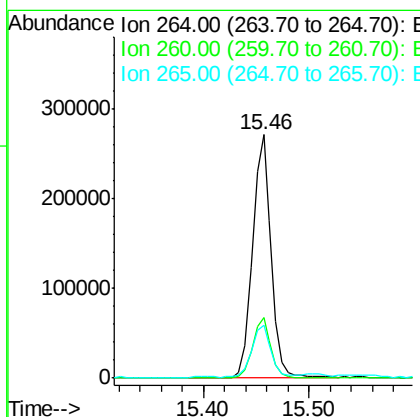
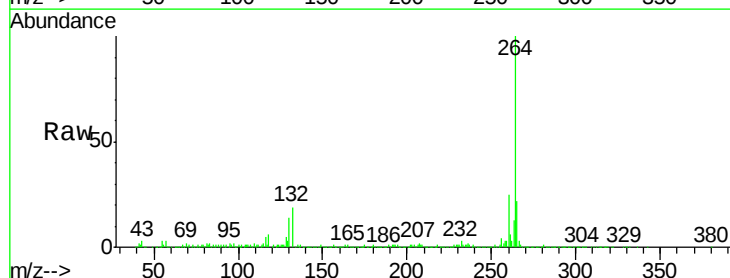
Manual Integrations
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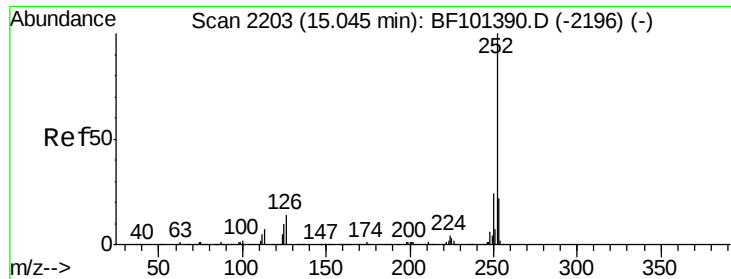
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF101477.D
Acq: 18 Dec 2017 13:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.8	17.5	26.3





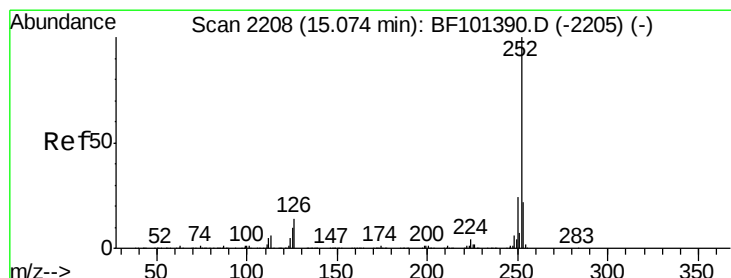
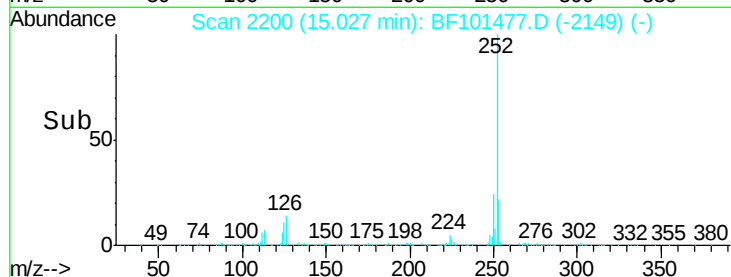
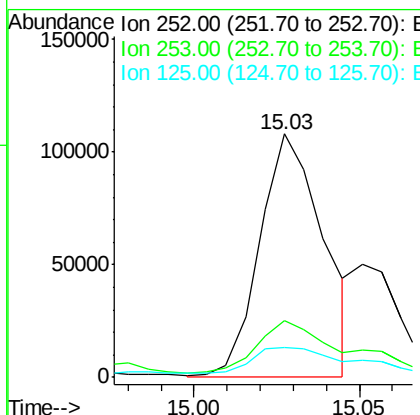
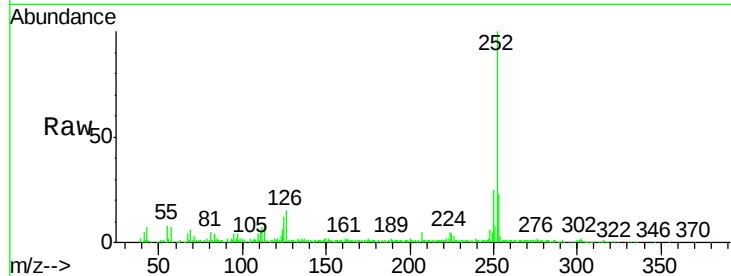
#87
Benzo(b)fluoranthene
Concen: 7.134 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF101477.D
Acq: 18 Dec 2017 13:42

Instrument :
BNA_F
ClientSampleId :
HR-05-121317-C

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.2	17.0	25.6
125	12.2	9.0	13.6

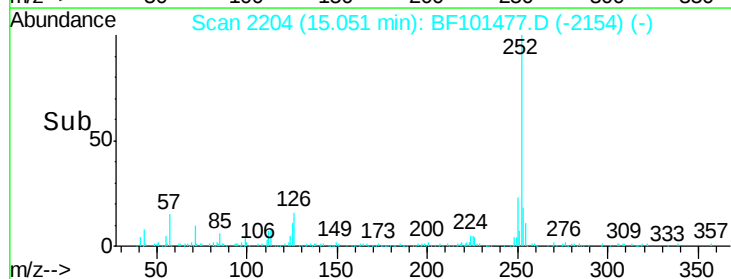
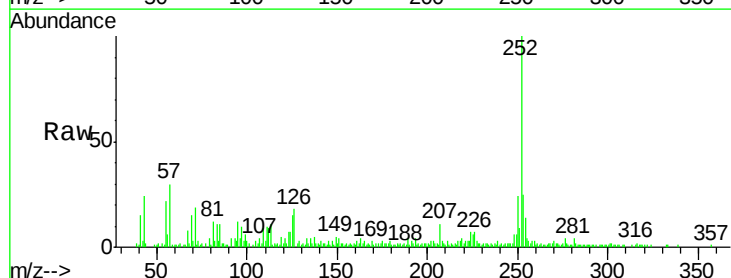
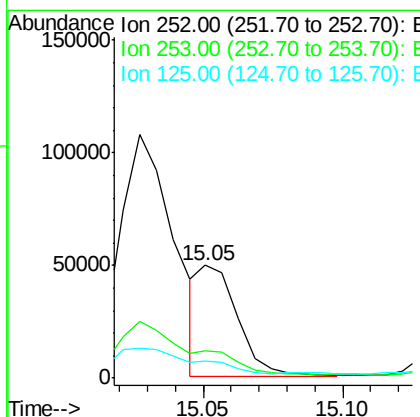
Manual Integrations
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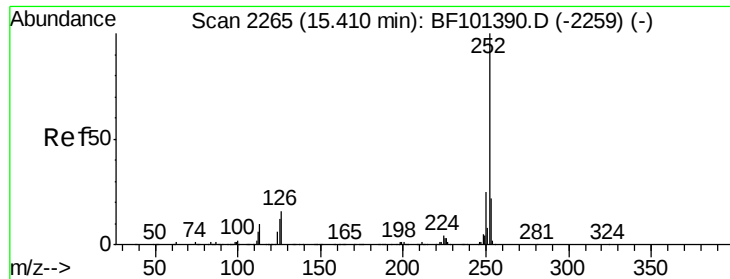
Sohil
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#88
Benzo(k)fluoranthene
Concen: 2.431 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF101477.D
Acq: 18 Dec 2017 13:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.7	17.9	26.9
125	15.2	10.2	15.2





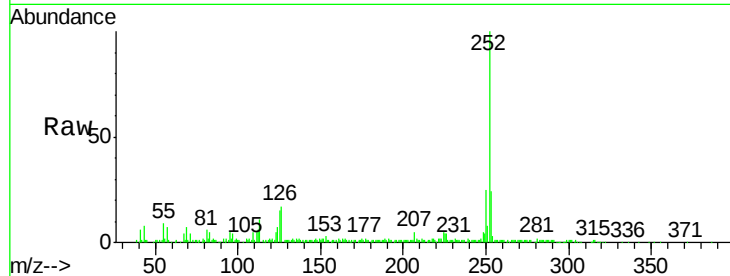
#89
Benzo(a)pyrene
Concen: 6.476 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.00 min
Lab File: BF101477.D
Acq: 18 Dec 2017 13:42

Instrument :
BNA_F
ClientSampleId :
HR-05-121317-C

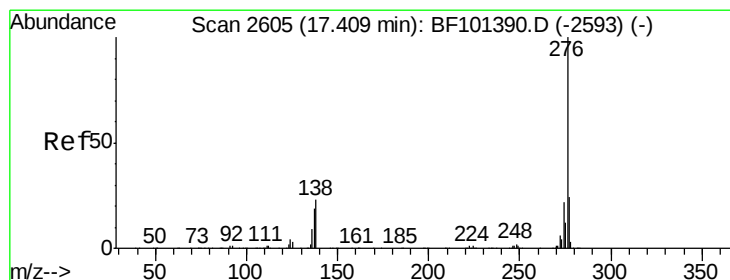
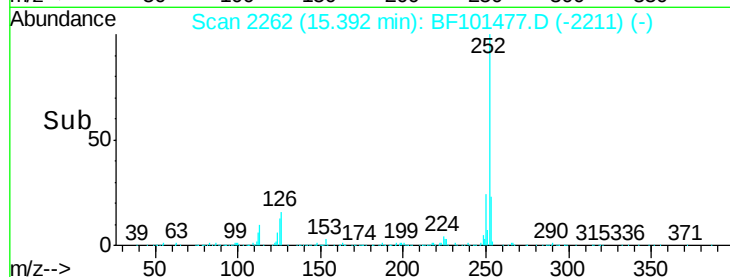
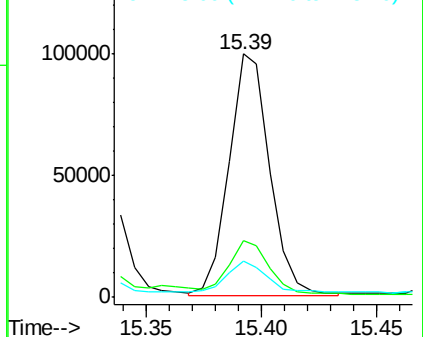
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.6	17.1	25.7
125	15.1	9.8	14.6

Manual Integrations
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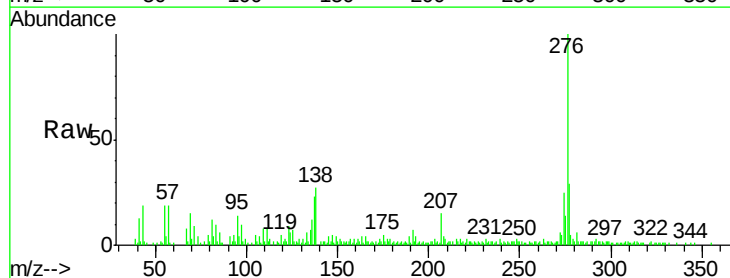


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 5.033 ng
RT: 17.39 min Scan# 2601
Delta R.T. 0.01 min
Lab File: BF101477.D
Acq: 18 Dec 2017 13:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	29.1	17.9	26.9
138	26.7	21.8	32.8



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

