

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
 Data File : BF101457.D
 Acq On : 15 Dec 2017 21:42
 Operator : SJ/JU
 Sample : I6875-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-02A-2

Manual Integrations
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Quant Time: Dec 15 22:49:40 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 17:36:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	162224	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	638718	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	264078	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	426906	20.00	ng	0.00
75) Chrysene-d12	14.00	240	294410	20.00	ng	0.00
86) Perylene-d12	15.47	264	269691	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1018179	93.49	ng	0.00
7) Phenol-d6	6.46	99	1225576	90.42	ng	0.00
23) Nitrobenzene-d5	7.39	82	794471	69.24	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	232548	91.39	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1079412	63.41	ng	0.00
78) Terphenyl-d14	12.93	244	779316	63.81	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.47	94	60580	3.922	ng	94
31) Naphthalene	8.12	128	72647	2.259	ng	97
49) Dimethylphthalate	9.57	163	151567	7.135	ng	99
51) Acenaphthene	9.89	154	36518	2.148	ng	99
57) Fluorene	10.40	166	51755	2.831	ng	97
70) Phenanthrene	11.37	178	780604	32.880	ng	99
71) Anthracene	11.42	178	194778	8.032	ng	99
72) Carbazole	11.59	167	49064	2.161	ng	99
74) Fluoranthene	12.57	202	938351	37.655	ng	96
77) Pyrene	12.80	202	960370	43.465	ng	100
80) Benzo(a)anthracene	13.99	228	448524	23.072	ng	99
82) Chrysene	14.03	228	411865	22.439	ng	99
85) Indeno(1,2,3-cd)pyrene	16.96	276	174534	10.678	ng	# 92
87) Benzo(b)fluoranthene	15.04	252	422632m	25.710	ng	
88) Benzo(k)fluoranthene	15.07	252	130340m	8.155	ng	
89) Benzo(a)pyrene	15.42	252	307185	20.271	ng	97
90) Dibenzo(a,h)anthracene	16.96	278	48049m	3.693	ng	
91) Benzo(g,h,i)perylene	17.42	276	175968	13.658	ng	97

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

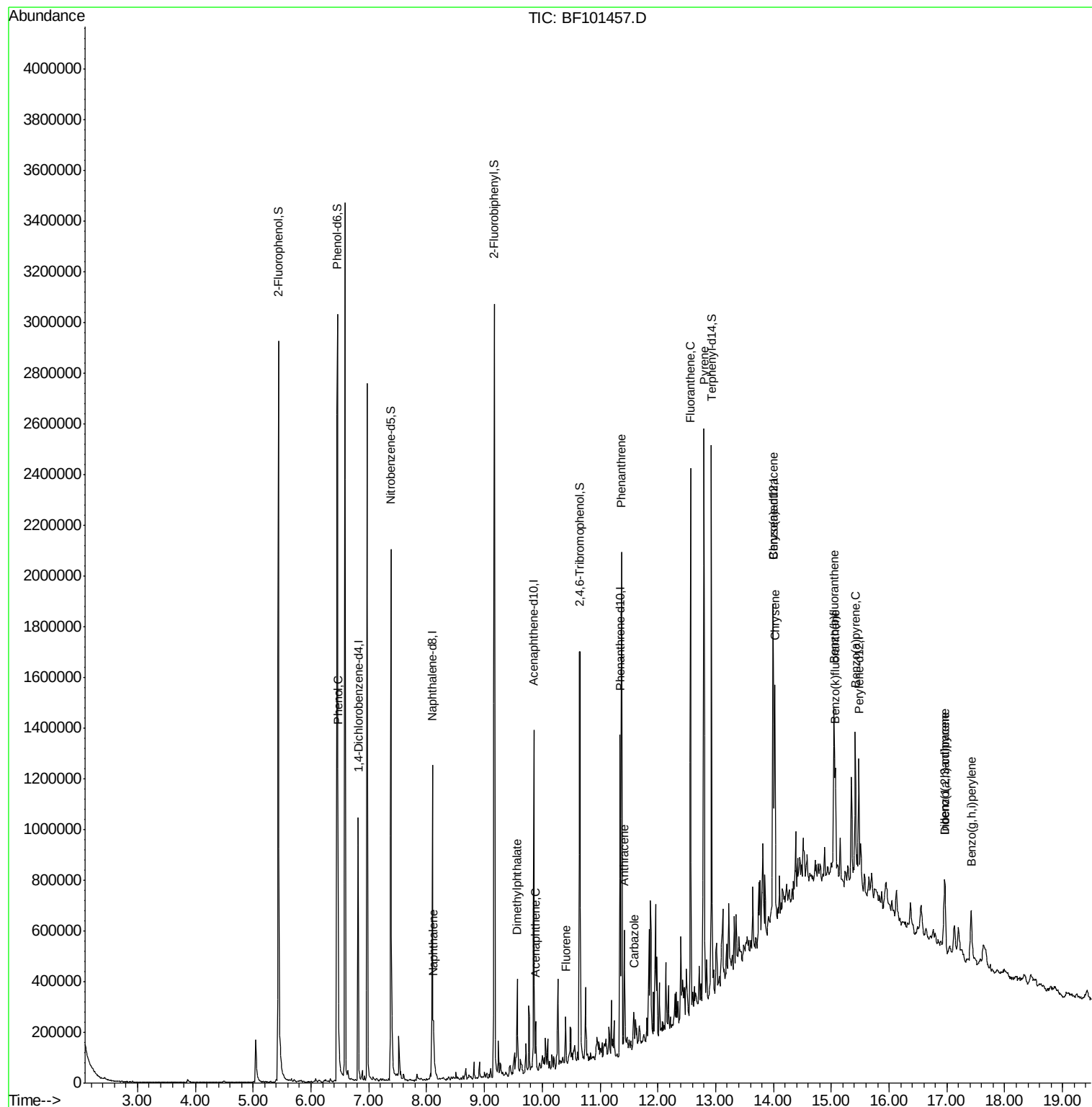
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101457.D
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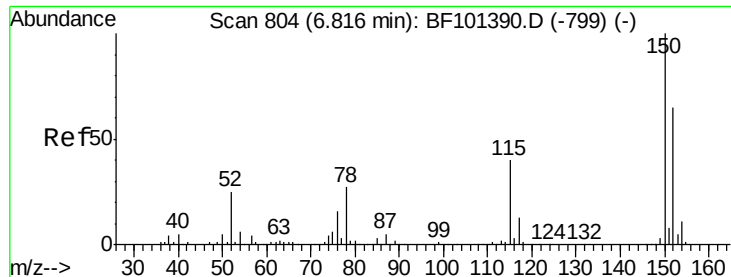
Instrument :
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TP-02A-2

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Quant Time: Dec 15 22:49:40 2017
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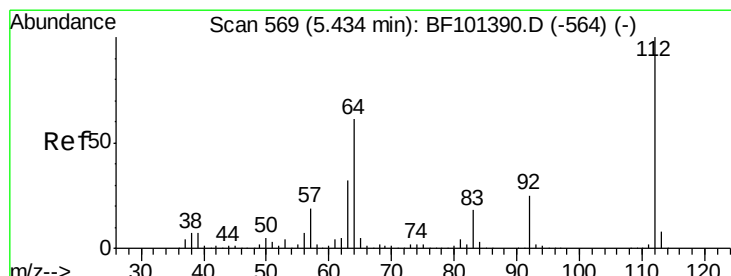
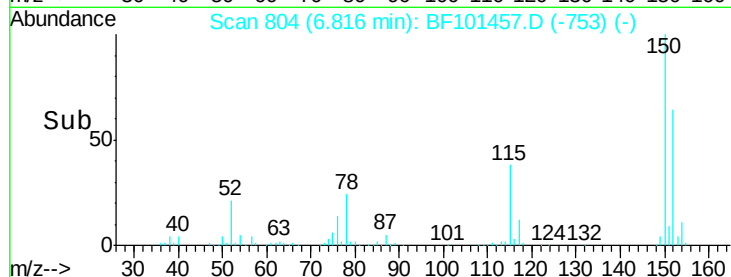
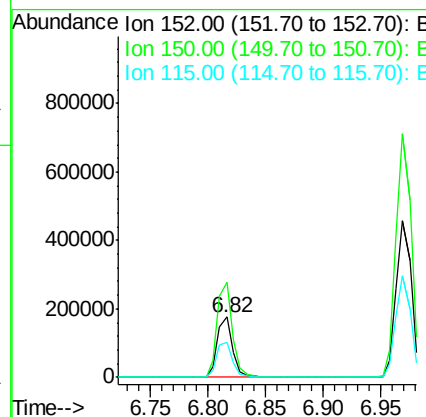
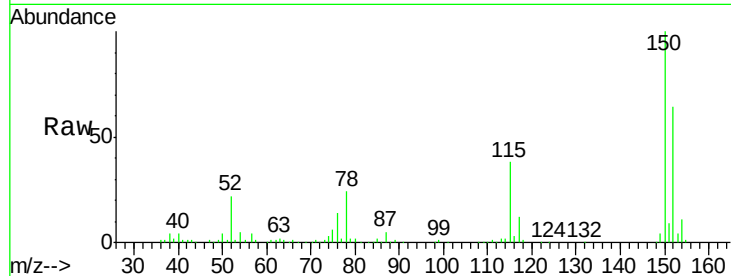
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: BF101457.D
 Acq: 15 Dec 2017 21:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-02A-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	58.8	50.1	75.1

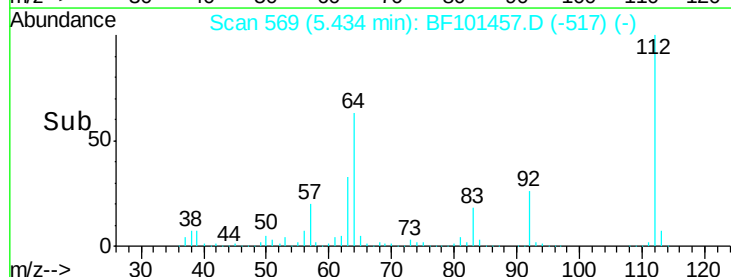
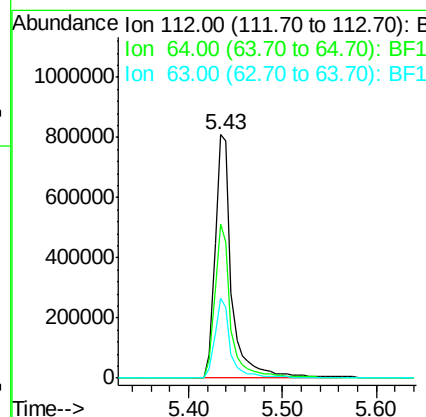
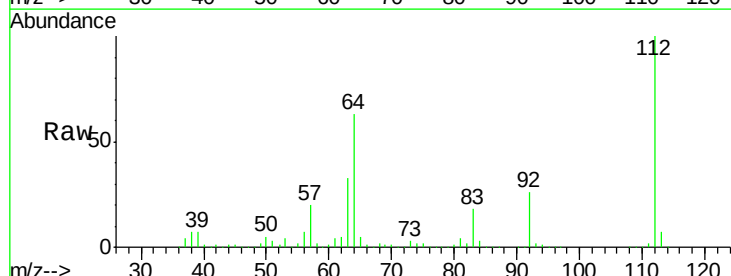
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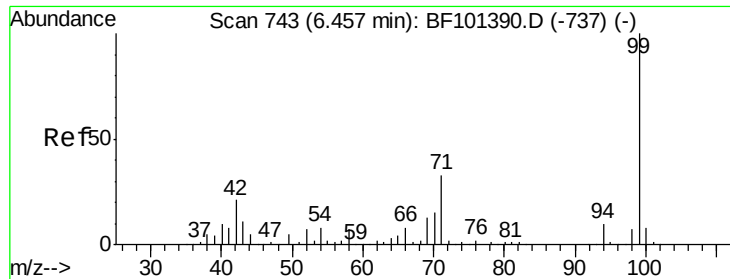
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#5
 2-Fluorophenol
 Concen: 93.492 ng
 RT: 5.43 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: BF101457.D
 Acq: 15 Dec 2017 21:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	47.9	71.9
63	32.8	23.7	35.5





#7

Phenol-d6

Concen: 90.423 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF101457.D

Acq: 15 Dec 2017 21:42

Instrument :

BNA_F

ClientSampleId :

TP-02A-2

Tgt Ion: 99 Resp: 1225576

Ion Ratio Lower Upper

99 100

42 20.6 14.5 21.7

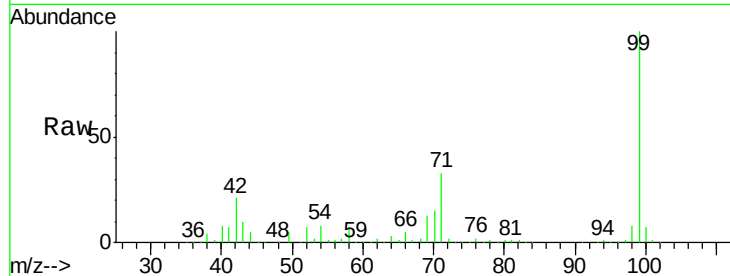
71 33.2 25.4 38.0

Manual Integrations

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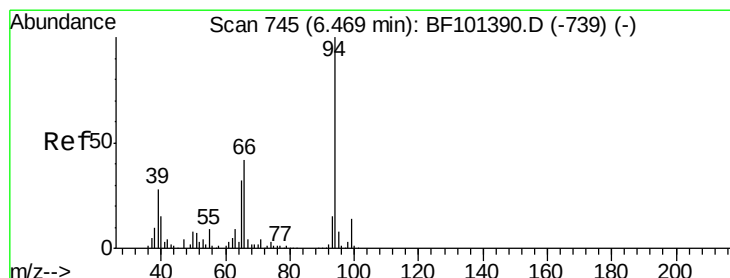
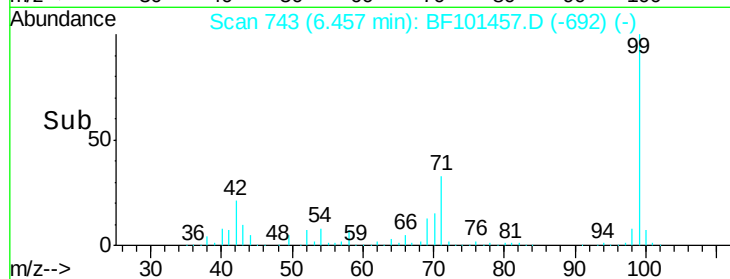
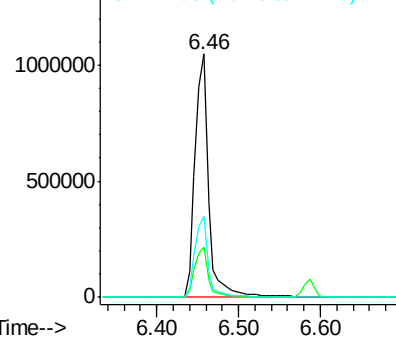
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.922 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF101457.D

Acq: 15 Dec 2017 21:42

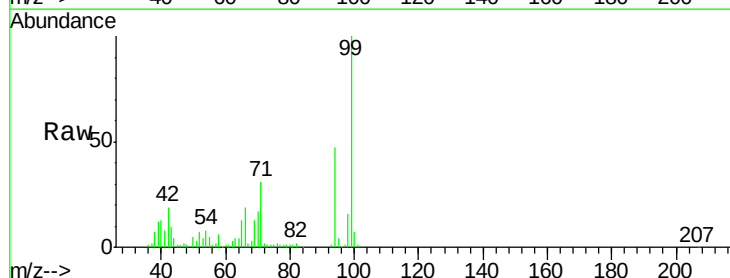
Tgt Ion: 94 Resp: 60580

Ion Ratio Lower Upper

94 100

65 27.4 7.9 47.9

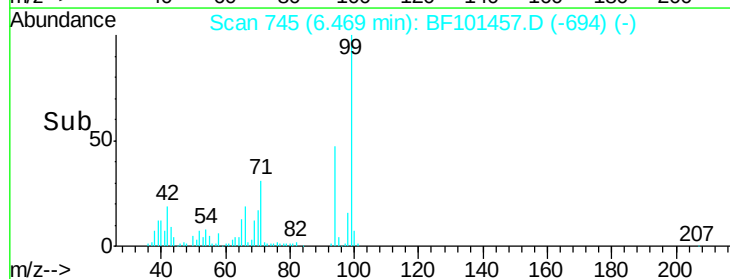
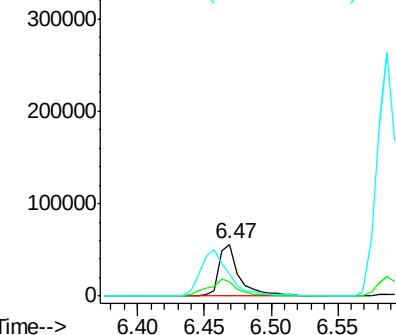
66 41.7 16.2 56.2

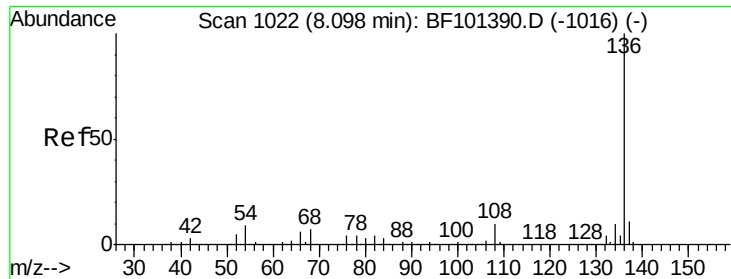


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





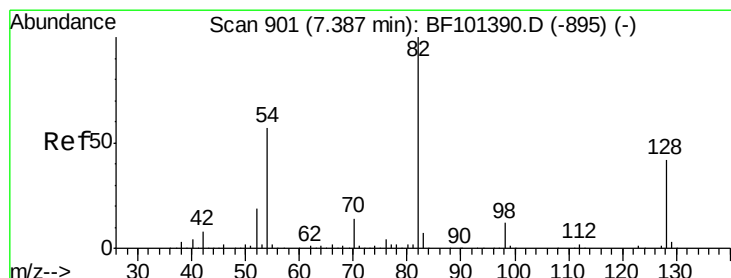
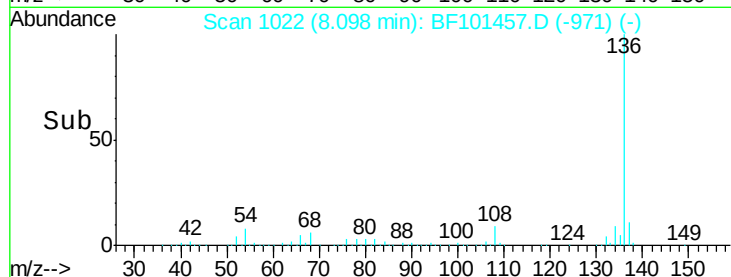
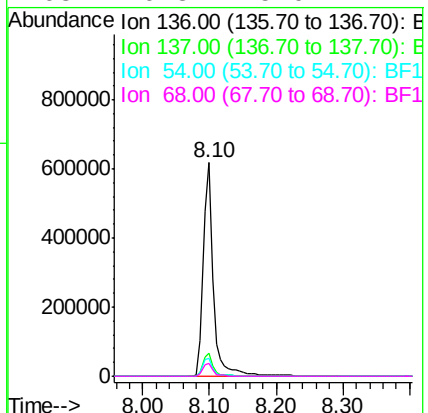
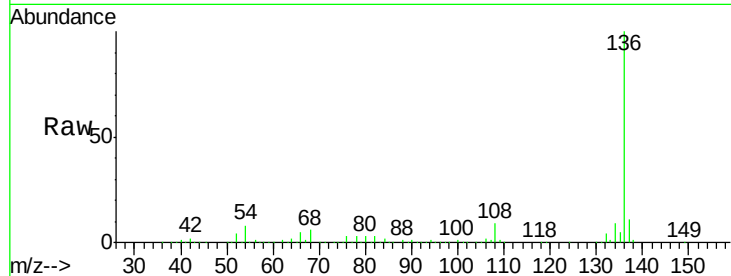
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF101457.D
Acq: 15 Dec 2017 21:42

Instrument :
BNA_F
ClientSampleId :
TP-02A-2

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		638718		
137	10.8	8.9	13.3		
54	8.5	6.6	9.8		
68	6.3	5.0	7.4		

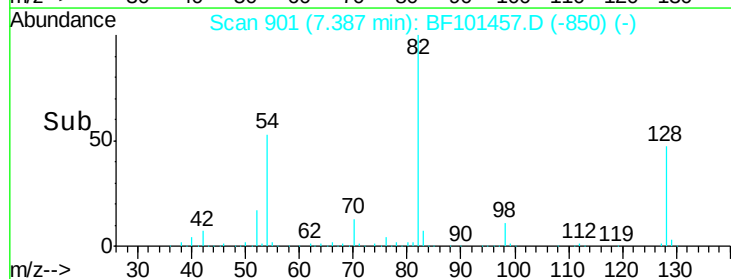
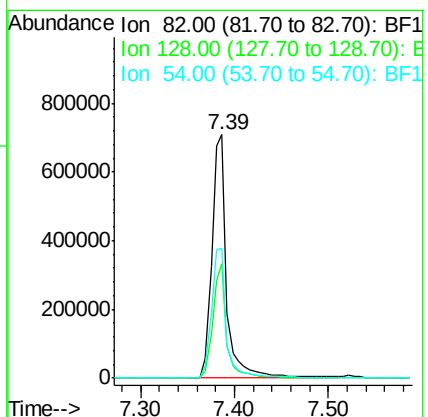
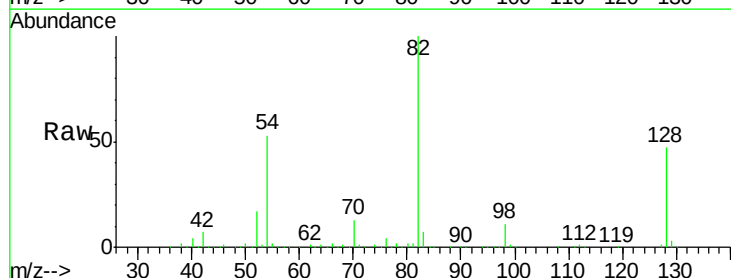
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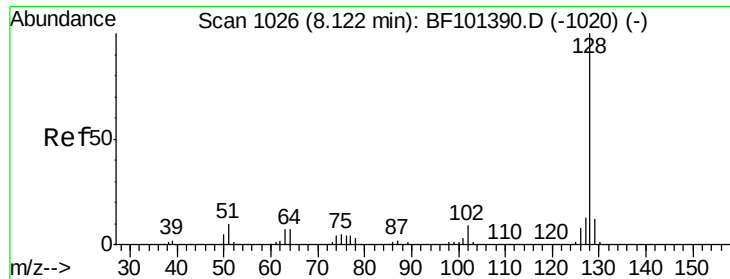
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#23
Nitrobenzene-d5
Concen: 69.240 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF101457.D
Acq: 15 Dec 2017 21:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		794471		
128	46.8	36.1	54.1		
54	53.5	41.4	62.2		





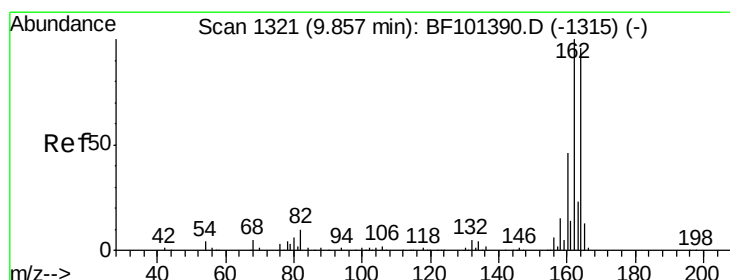
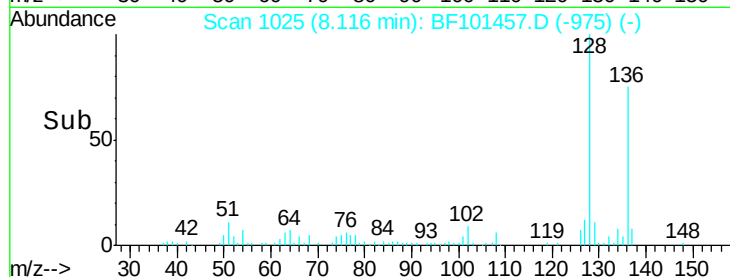
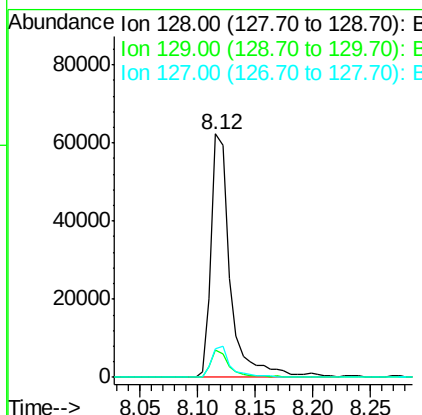
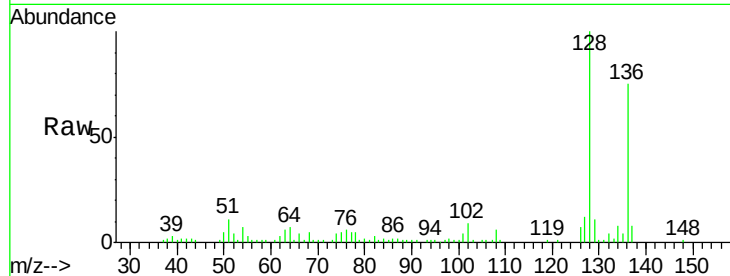
#31
Naphthalene
Concen: 2.259 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF101457.D
Acq: 15 Dec 2017 21:42

Instrument :
BNA_F
ClientSampleId :
TP-02A-2

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	11.6	10.9	16.3

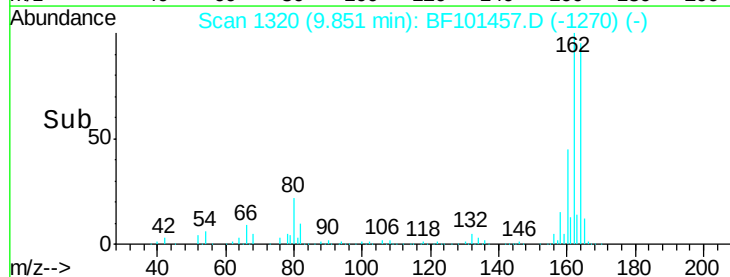
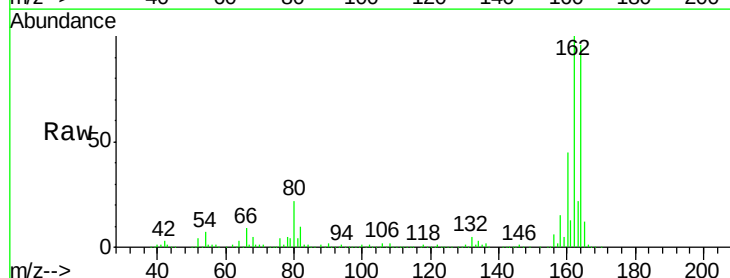
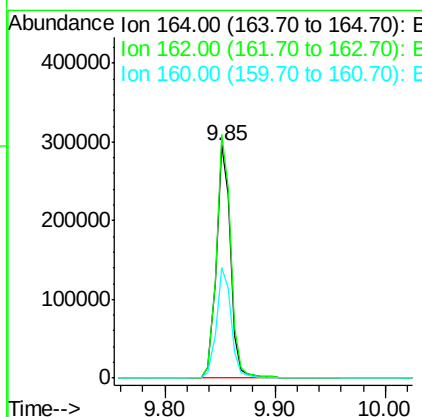
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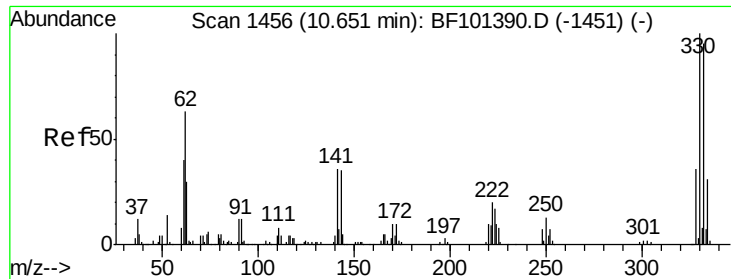
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101457.D
Acq: 15 Dec 2017 21:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	47.4	38.3	57.5





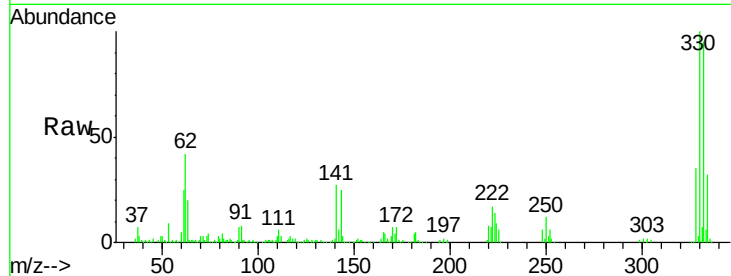
#41
 2,4,6-Tribromophenol
 Concen: 91.389 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BF101457.D
 Acq: 15 Dec 2017 21:42

Instrument :
 BNA_F
 ClientSampled :
 TP-02A-2

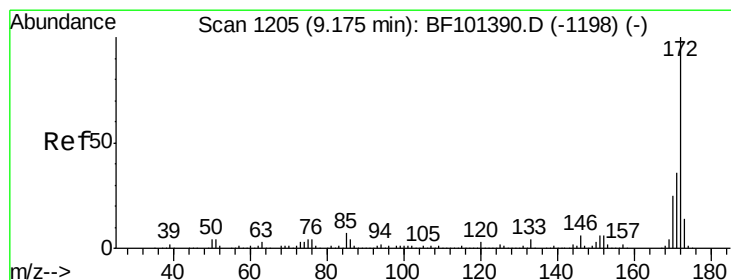
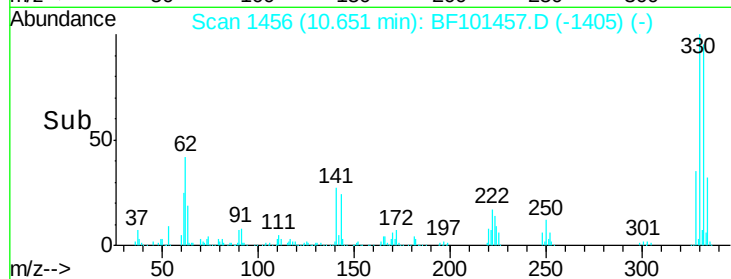
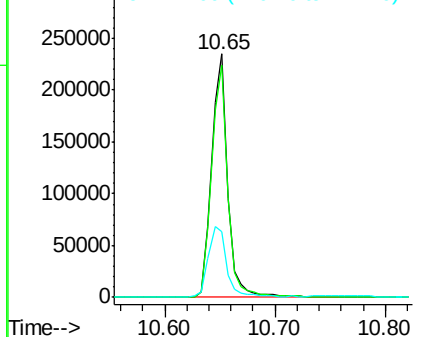
Tgt Ion:	330	Resp:	232548
Ion Ratio	Lower	Upper	
330	100		
332	96.6	77.0	115.6
141	33.3	29.9	44.9

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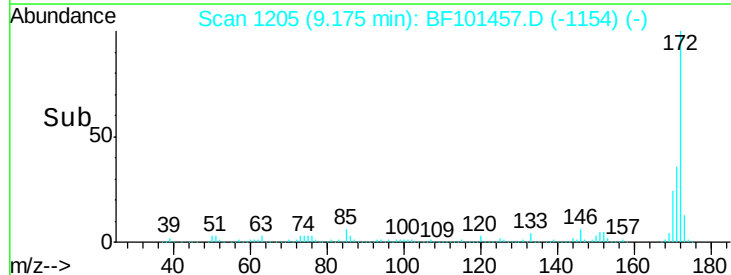
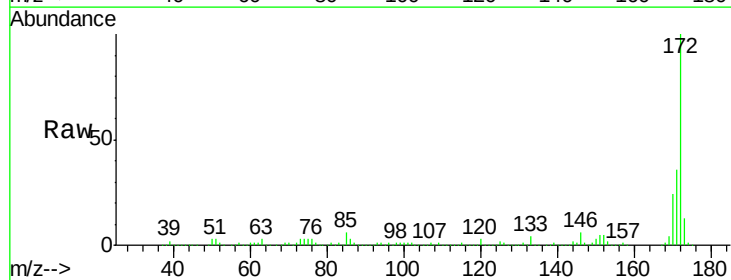
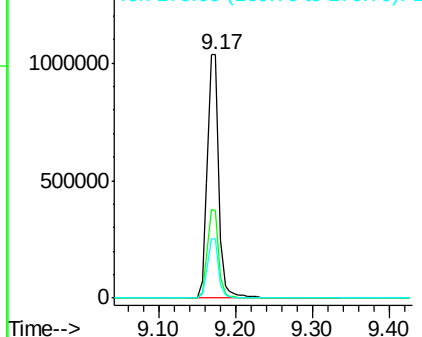
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

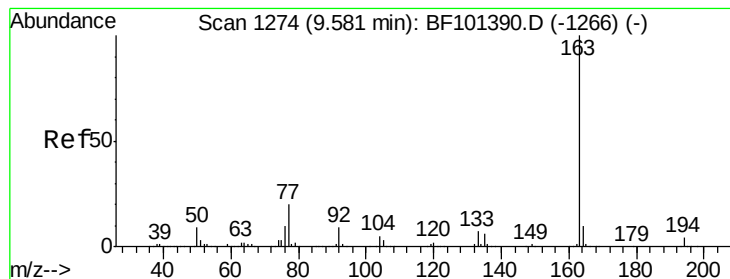


#44
 2-Fluorobiphenyl
 Concen: 63.407 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF101457.D
 Acq: 15 Dec 2017 21:42

Tgt Ion:	172	Resp:	1079412
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.7	44.5
170	24.5	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





#49

Dimethylphthalate

Concen: 7.135 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF101457.D

Acq: 15 Dec 2017 21:42

Instrument :

BNA_F

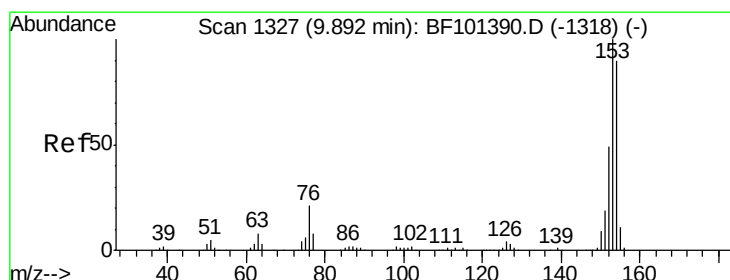
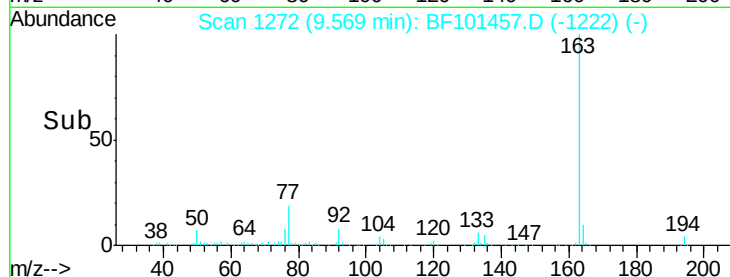
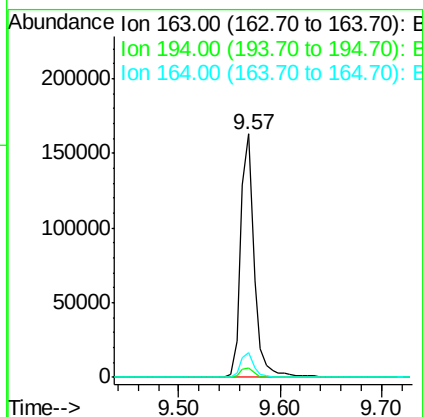
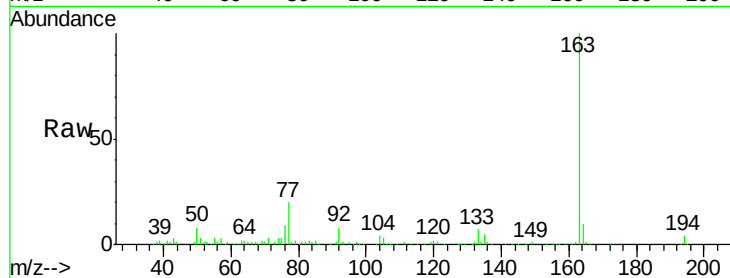
ClientSampleId :

TP-02A-2

Tgt Ion:	163	Resp:	151567
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	9.9	8.2	12.2

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#51

Acenaphthene

Concen: 2.148 ng

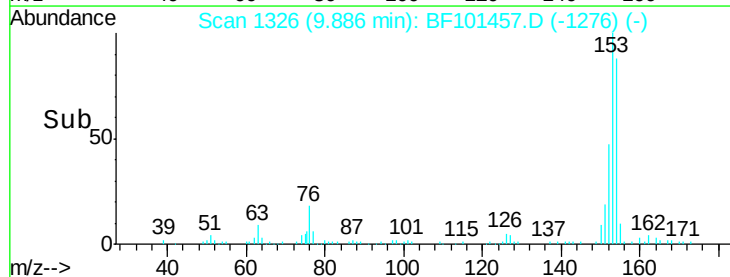
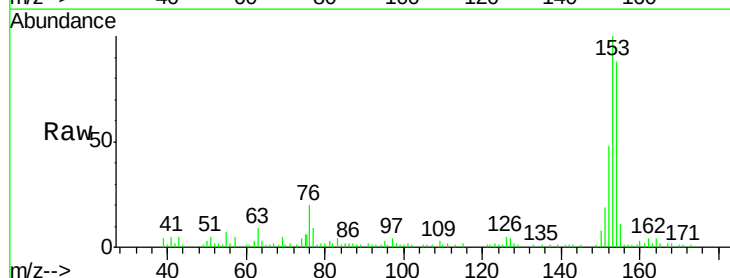
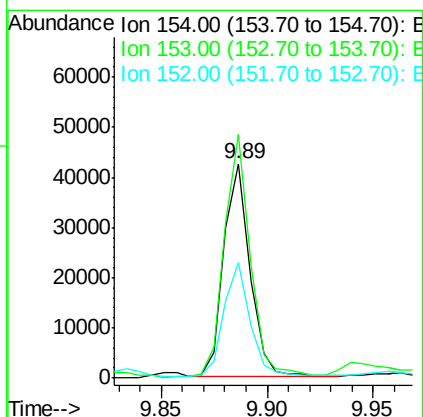
RT: 9.89 min Scan# 1326

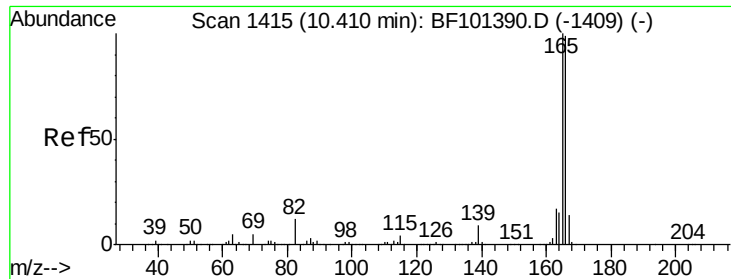
Delta R.T. -0.01 min

Lab File: BF101457.D

Acq: 15 Dec 2017 21:42

Tgt Ion:	154	Resp:	36518
Ion Ratio	Lower	Upper	
154	100		
153	113.5	91.2	136.8
152	54.0	43.8	65.8





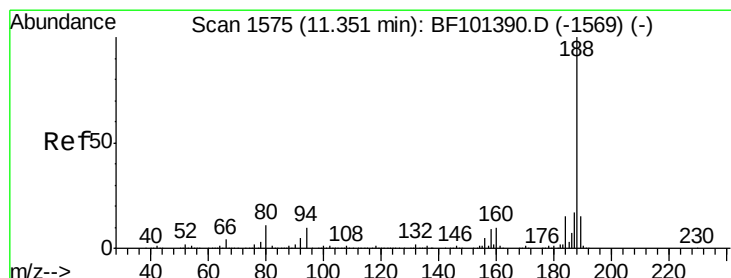
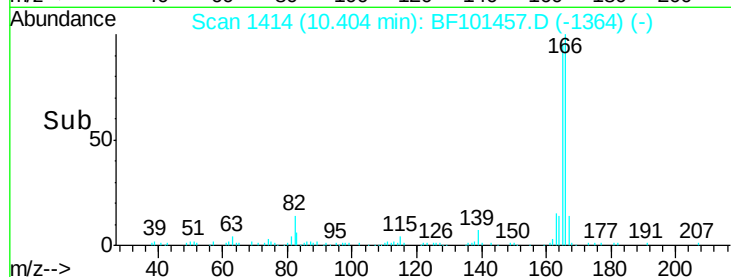
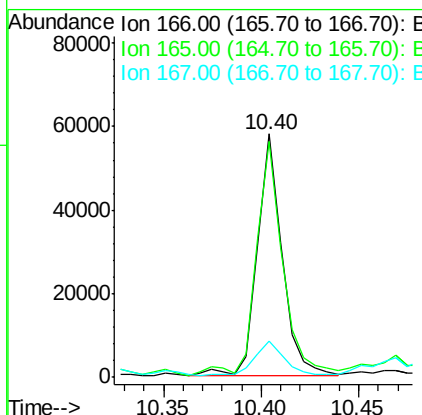
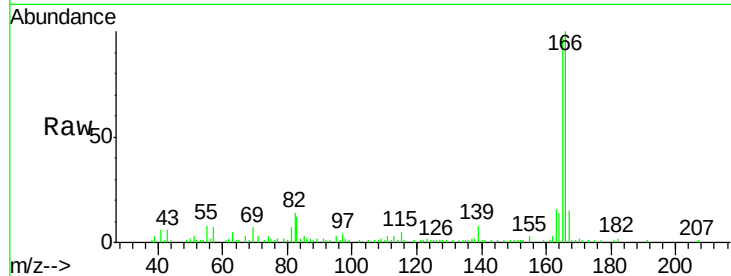
#57
 Fluorene
 Concen: 2.831 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BF101457.D
 Acq: 15 Dec 2017 21:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-02A-2

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	51755		
165	96.9	79.8	119.8	
167	15.1	10.6	16.0	

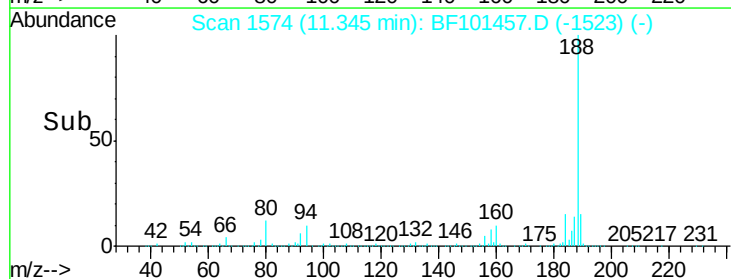
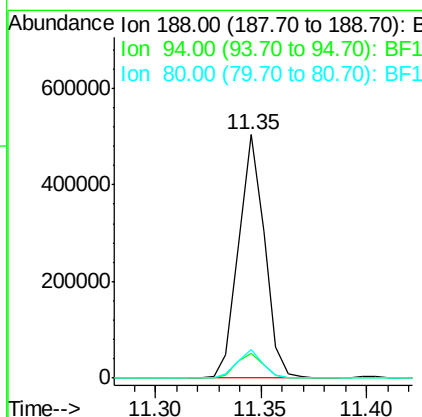
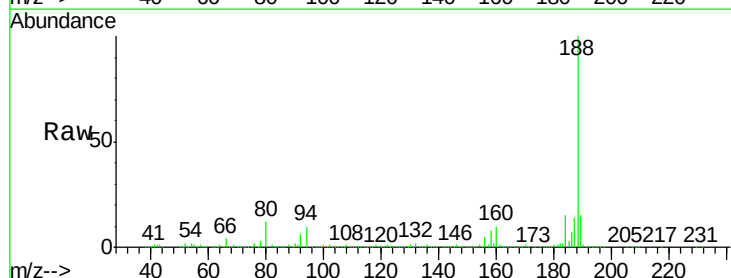
Manual Integrations
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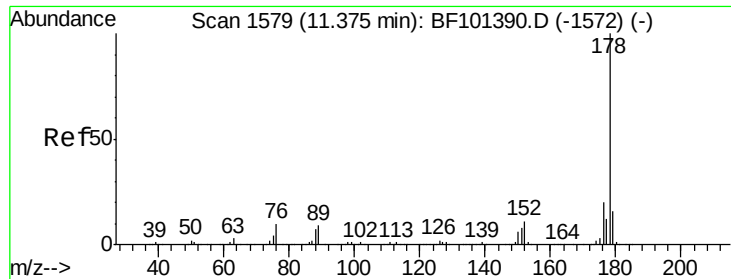
Sohil
 12/18/2017 2:04:21 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: BF101457.D
 Acq: 15 Dec 2017 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	426906		
94	10.3	8.5	12.7	
80	11.6	9.2	13.8	





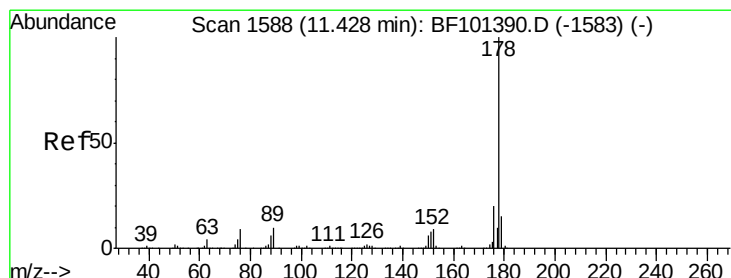
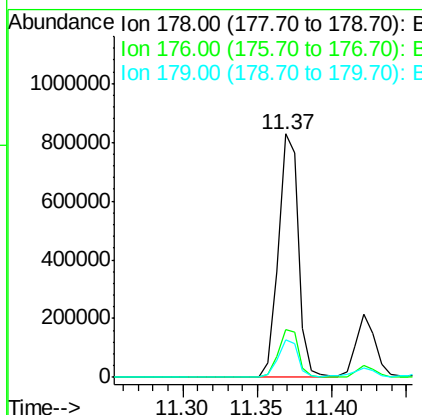
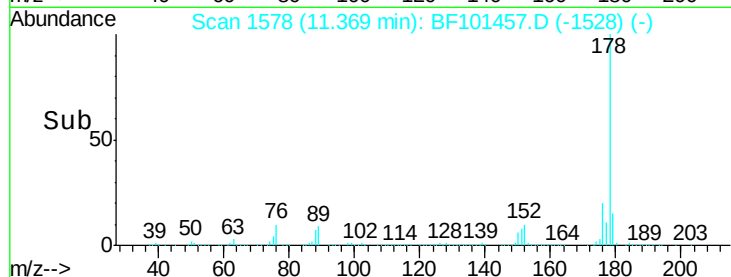
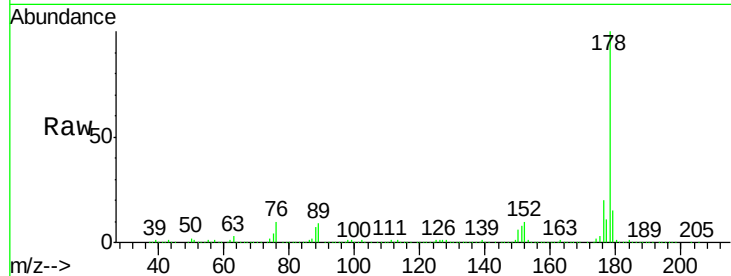
#70
Phenanthrene
Concen: 32.880 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101457.D
Acq: 15 Dec 2017 21:42

Instrument :
BNA_F
ClientSampled :
TP-02A-2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.2	13.0	19.6

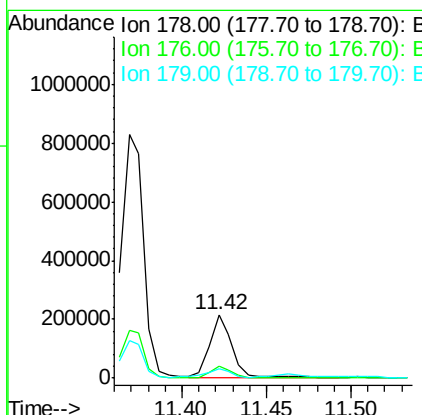
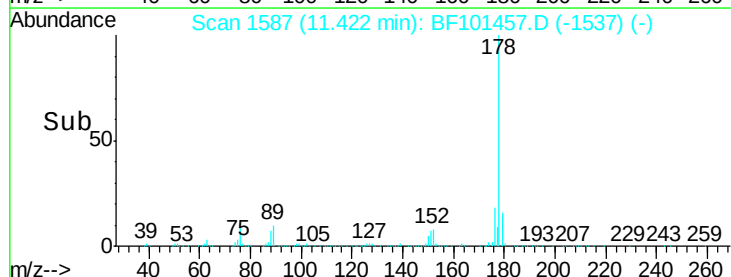
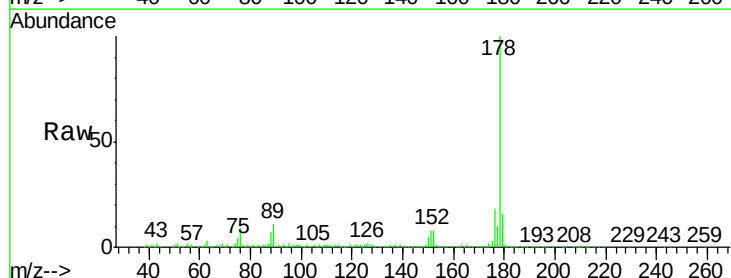
Manual Integrations
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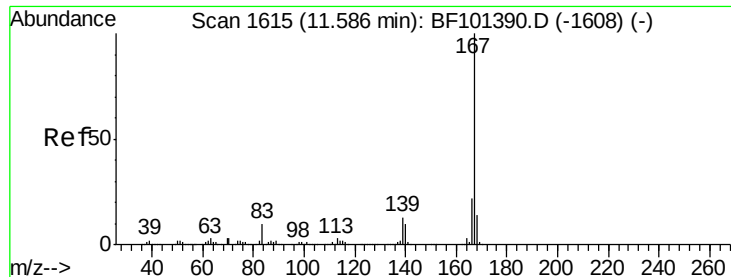
Sohil
12/18/2017 2:04:21 PM



#71
Anthracene
Concen: 8.032 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF101457.D
Acq: 15 Dec 2017 21:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.7	12.6	19.0





#72

Carbazole

Concen: 2.161 ng

RT: 11.59 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF101457.D

Acq: 15 Dec 2017 21:42

Instrument :

BNA_F

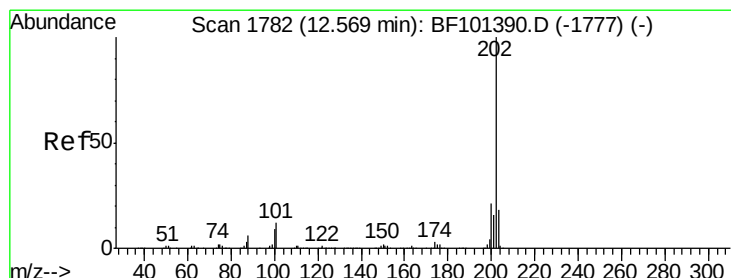
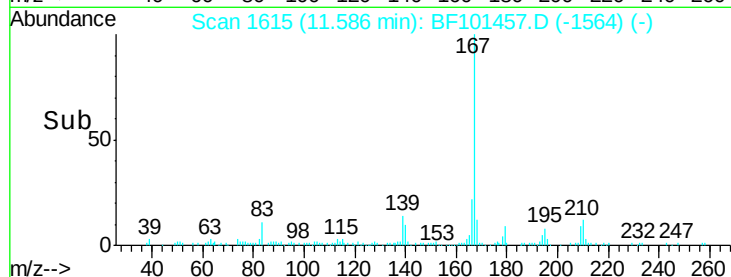
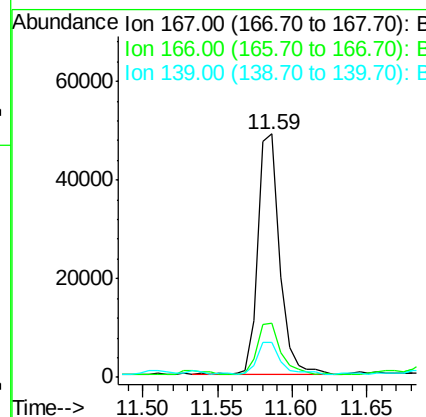
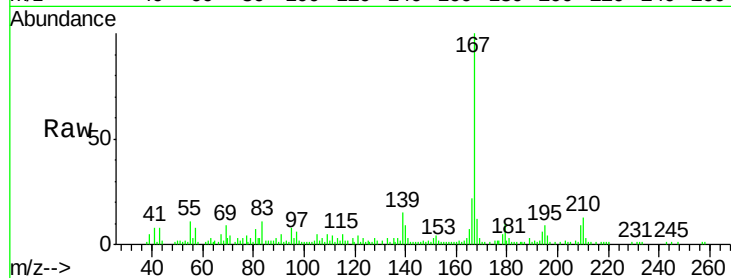
ClientSampleId :

TP-02A-2

Tgt Ion:	167	Resp:	49064
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.6	26.4
139	14.6	10.9	16.3

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#74

Fluoranthene

Concen: 37.655 ng

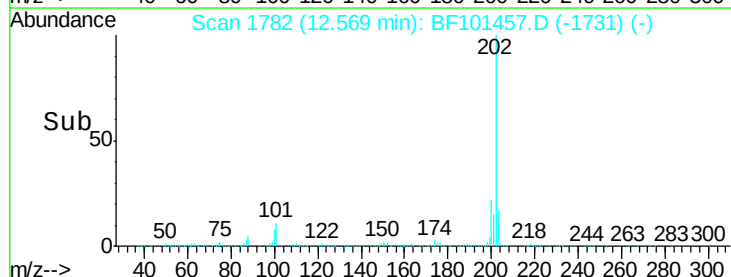
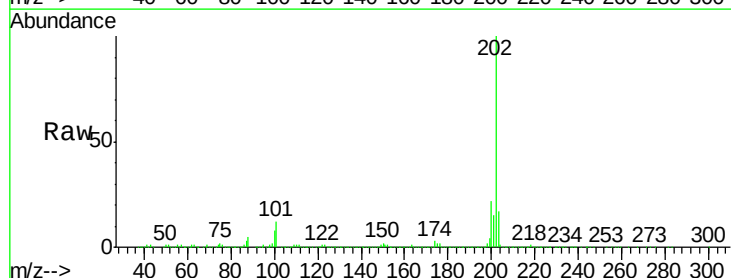
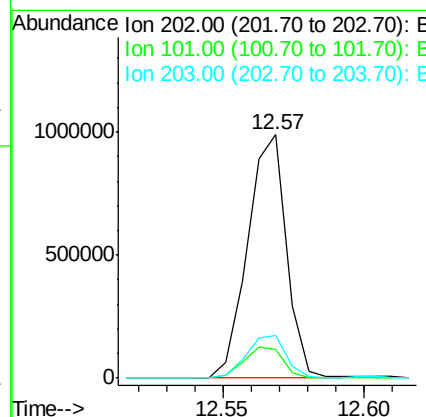
RT: 12.57 min Scan# 1782

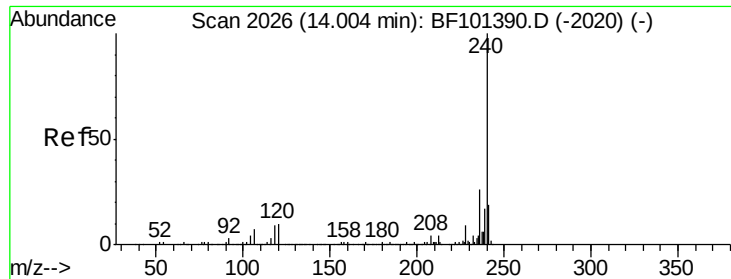
Delta R.T. 0.00 min

Lab File: BF101457.D

Acq: 15 Dec 2017 21:42

Tgt Ion:	202	Resp:	938351
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF101457.D

Acq: 15 Dec 2017 21:42

Instrument :

BNA_F

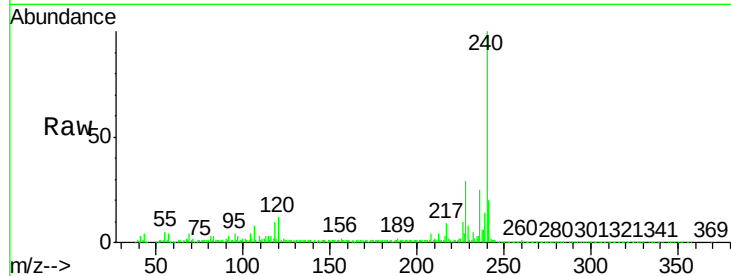
ClientSampleId :

TP-02A-2

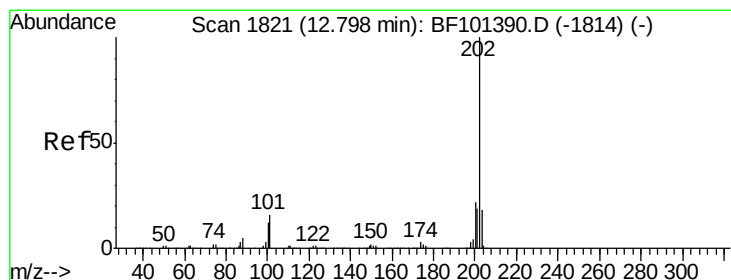
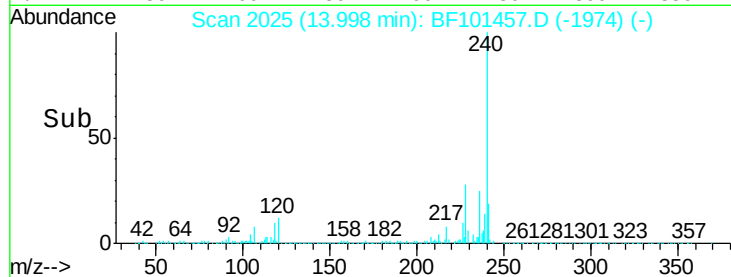
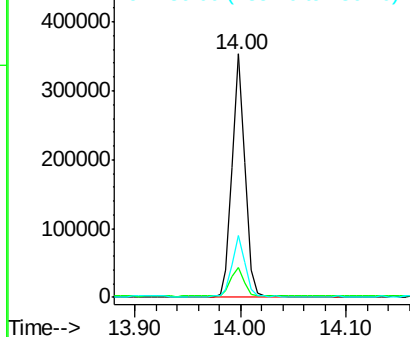
Tgt Ion:	240	Resp:	294410
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.5	14.3
236	25.2	20.7	31.1

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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: 43.465 ng

RT: 12.80 min Scan# 1821

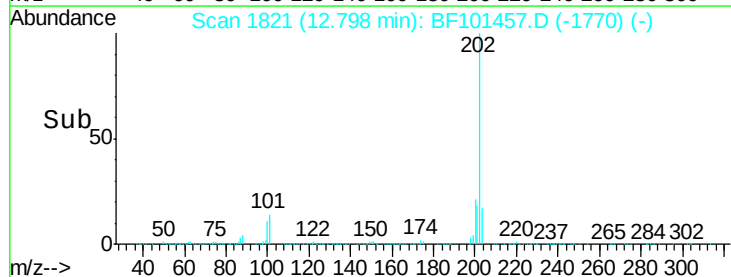
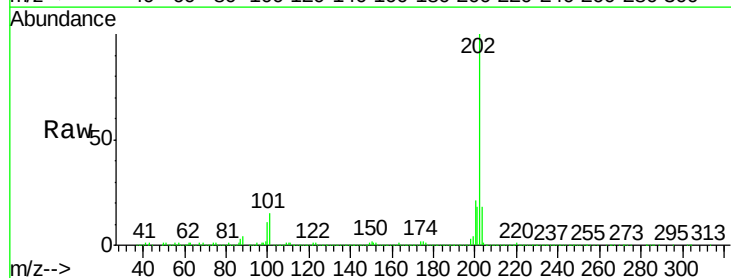
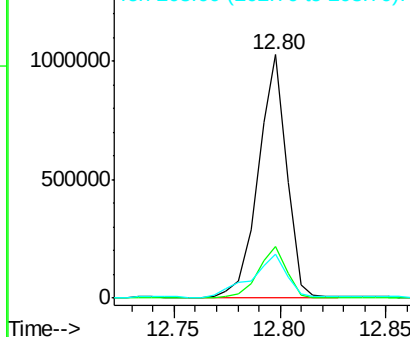
Delta R.T. 0.00 min

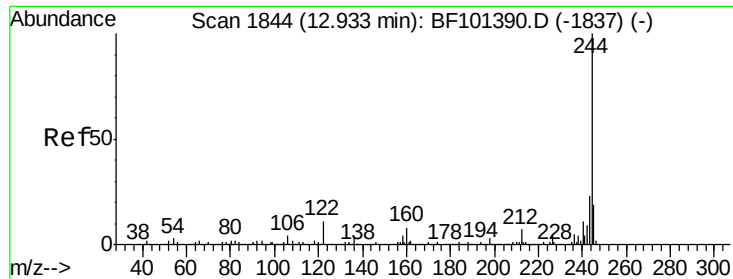
Lab File: BF101457.D

Acq: 15 Dec 2017 21:42

Tgt Ion:	202	Resp:	960370
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	17.9	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





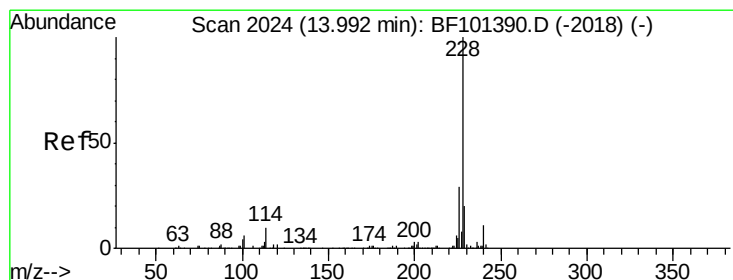
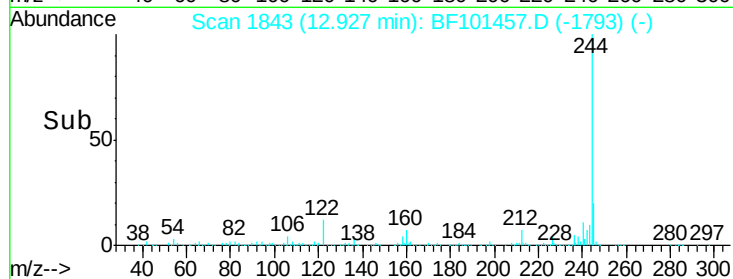
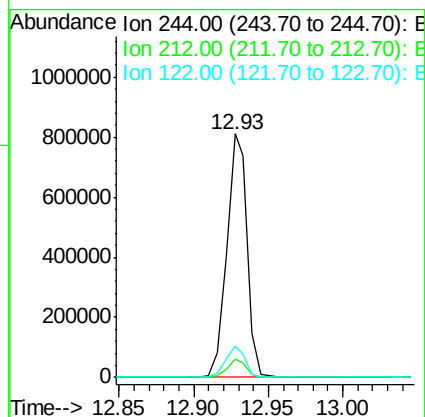
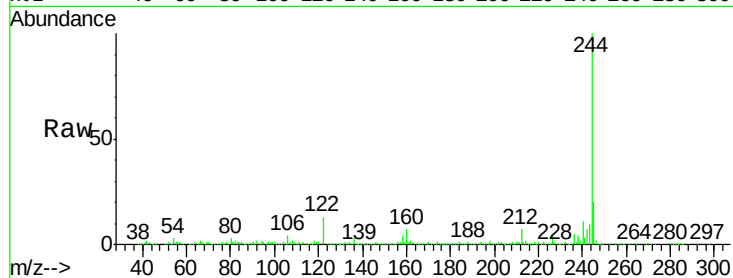
#78
 Terphenyl-d14
 Concen: 63.814 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF101457.D
 Acq: 15 Dec 2017 21:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-02A-2

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	12.6	11.0	16.4

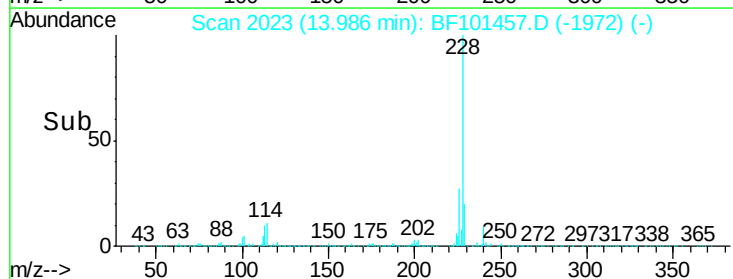
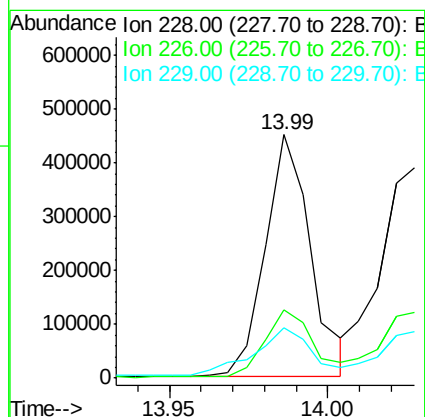
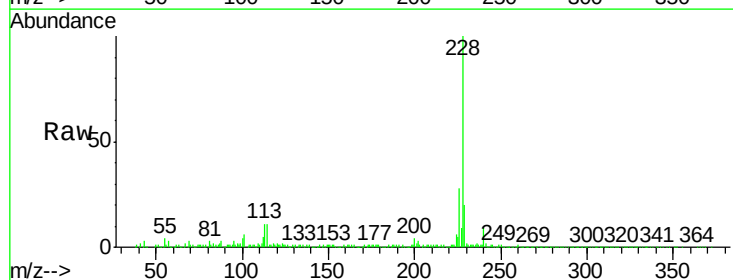
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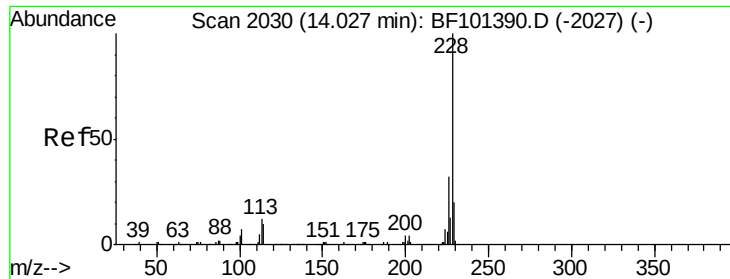
Sohil
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#80
 Benzo(a)anthracene
 Concen: 23.072 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. 0.00 min
 Lab File: BF101457.D
 Acq: 15 Dec 2017 21:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.4	15.8	23.6





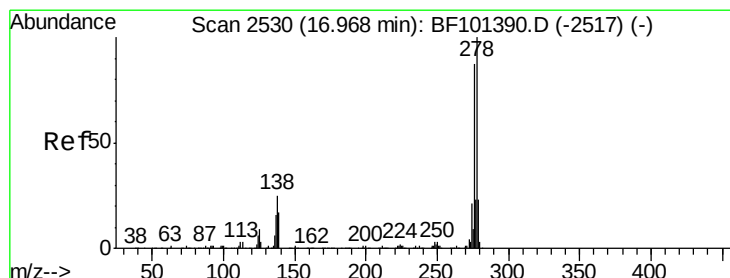
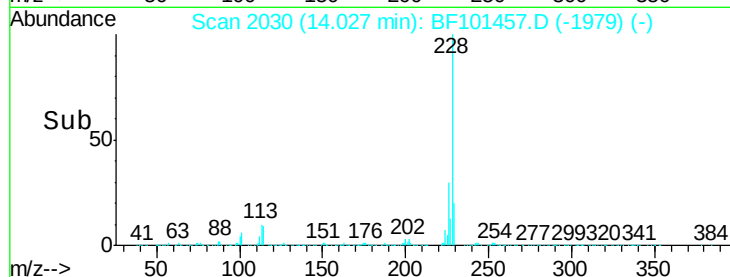
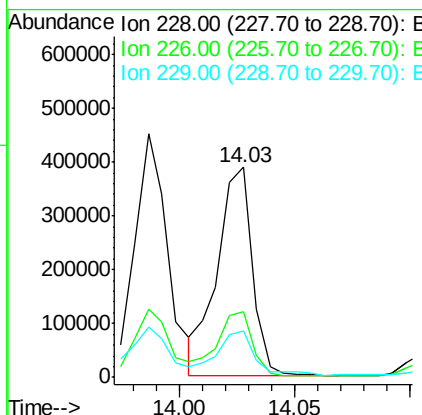
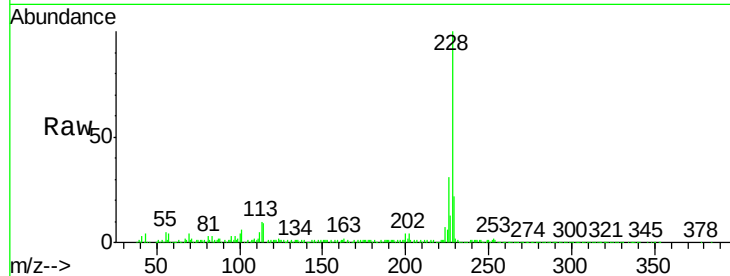
#82
Chrysene
 Concen: 22.439 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: BF101457.D
 Acq: 15 Dec 2017 21:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-02A-2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	21.8	16.2	24.4

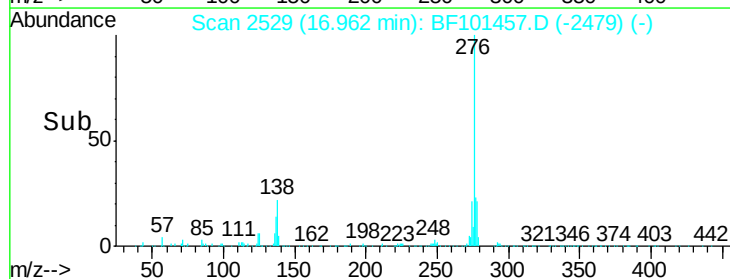
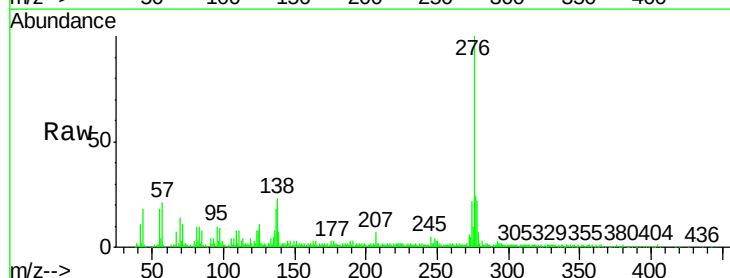
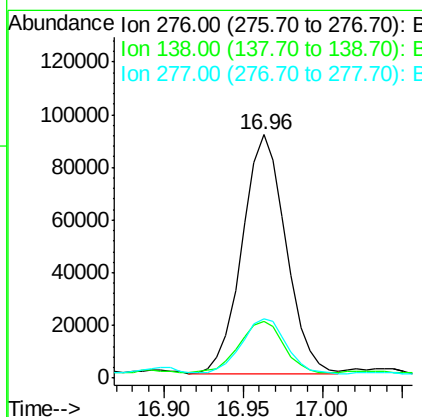
Manual Integrations
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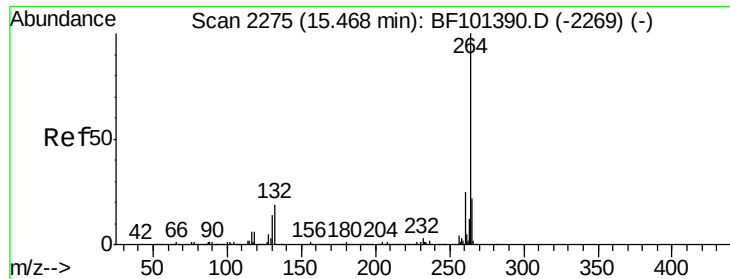
Sohil
 12/18/2017 2:04:21 PM



#85
Indeno(1,2,3-cd)pyrene
 Concen: 10.678 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BF101457.D
 Acq: 15 Dec 2017 21:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	25.0	37.6#
277	25.1	20.1	30.1





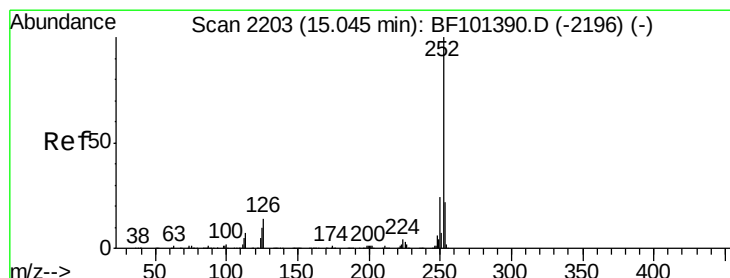
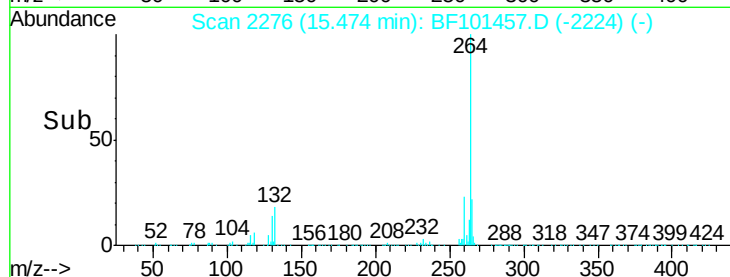
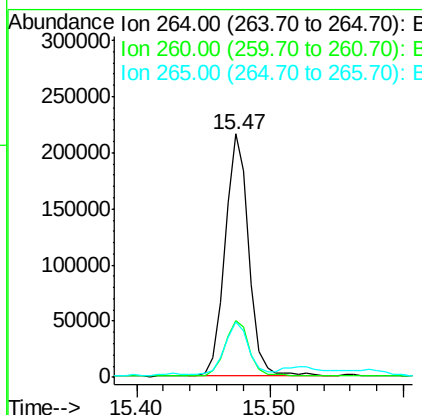
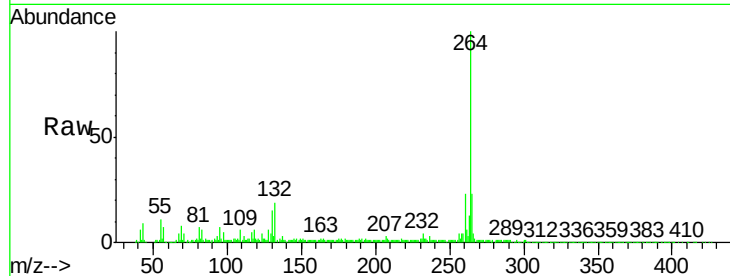
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF101457.D
Acq: 15 Dec 2017 21:42

Instrument :
BNA_F
ClientSampleId :
TP-02A-2

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	269691		
260	23.5	19.2	28.8	
265	22.6	17.5	26.3	

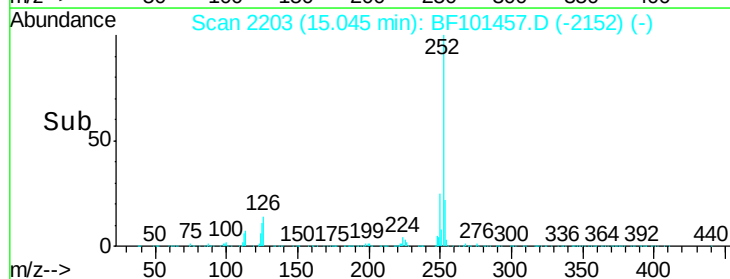
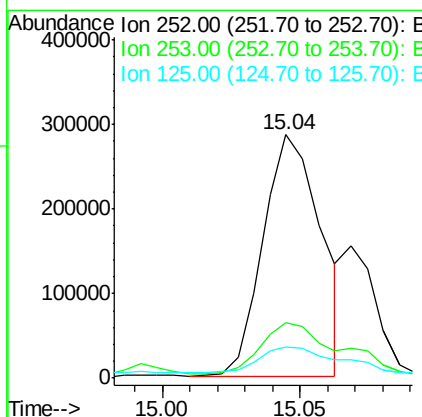
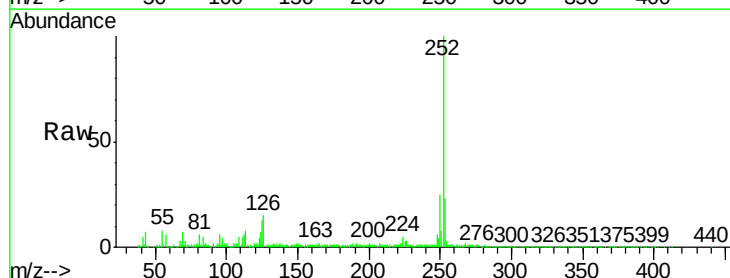
Manual Integrations
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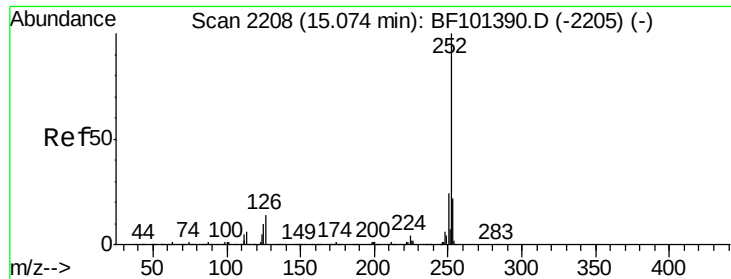
Sohil
12/18/2017 2:04:21 PM



#87
Benzo(b)fluoranthene
Concen: 25.710 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.00 min
Lab File: BF101457.D
Acq: 15 Dec 2017 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	422632		
253	22.9	17.0	25.6	
125	12.9	9.0	13.6	





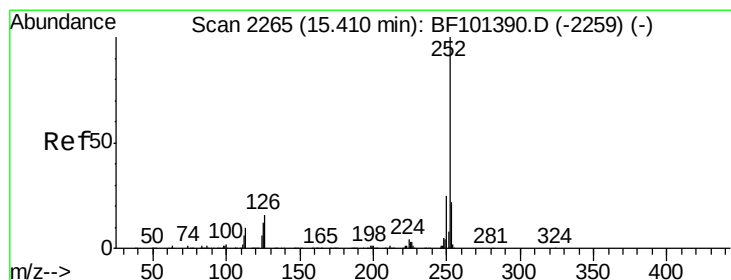
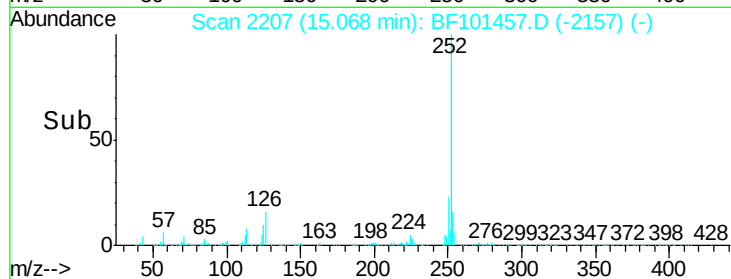
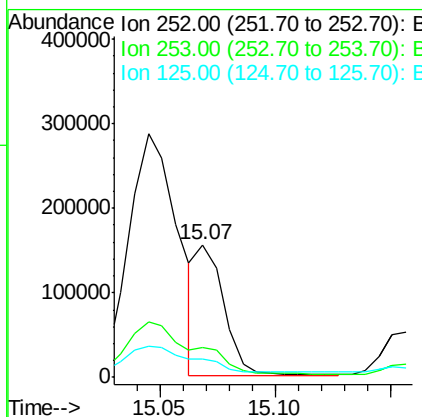
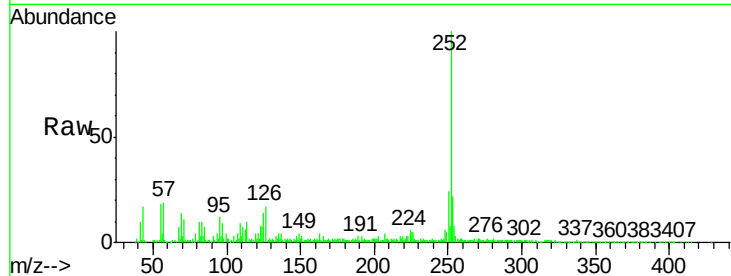
#88
Benzo(k)fluoranthene
Concen: 8.155 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF101457.D
Acq: 15 Dec 2017 21:42

Instrument :
BNA_F
ClientSampleId :
TP-02A-2

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	130340		
253	22.3	17.9	26.9	
125	14.0	10.2	15.2	

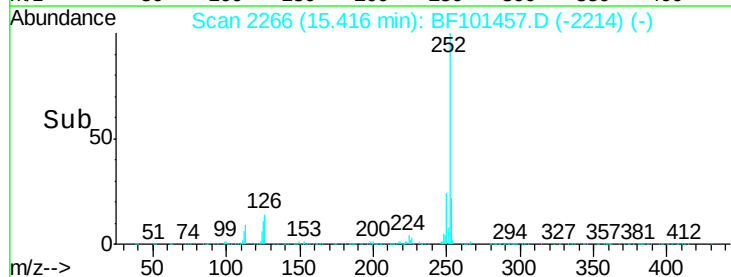
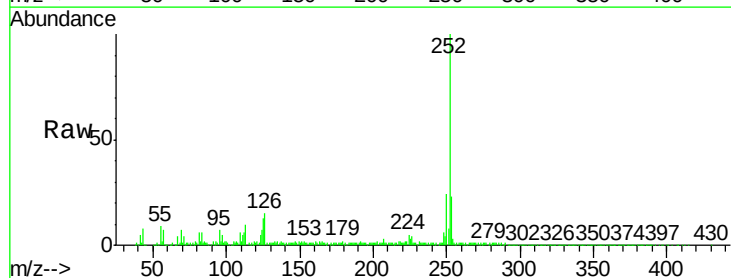
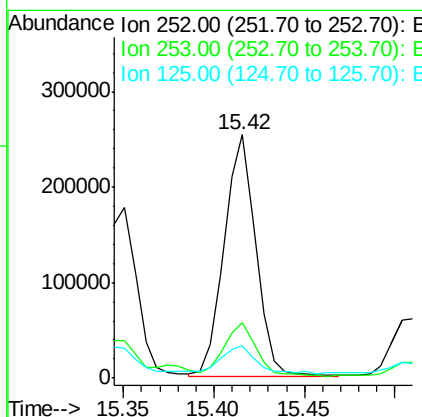
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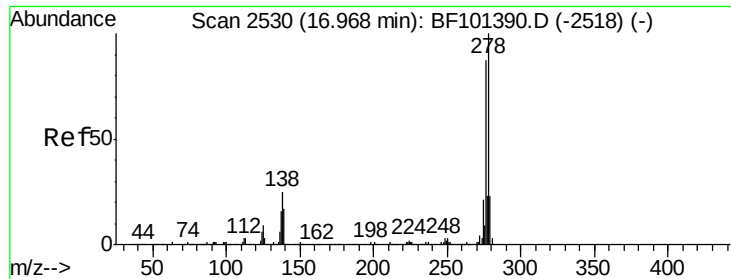
Sohil
12/18/2017 2:04:21 PM



#89
Benzo(a)pyrene
Concen: 20.271 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF101457.D
Acq: 15 Dec 2017 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	307185		
253	23.0	17.1	25.7	
125	13.2	9.8	14.6	





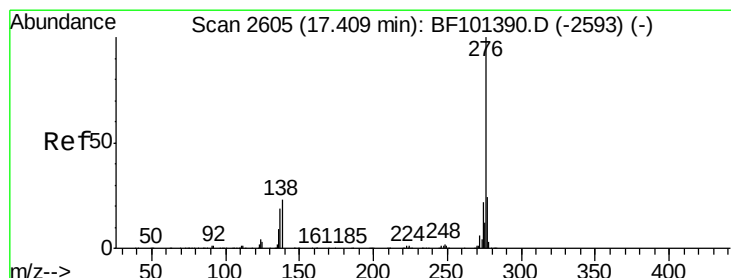
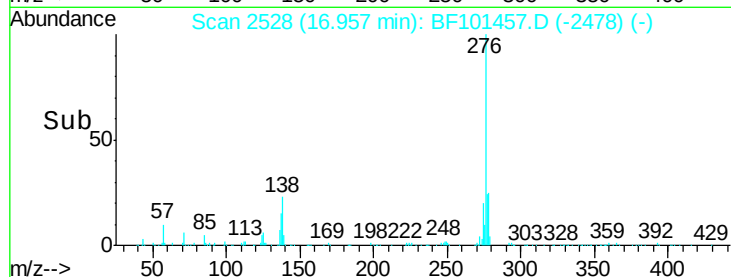
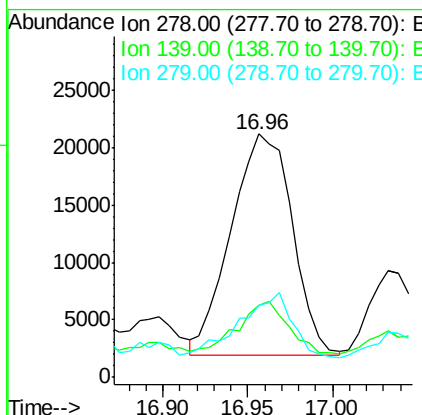
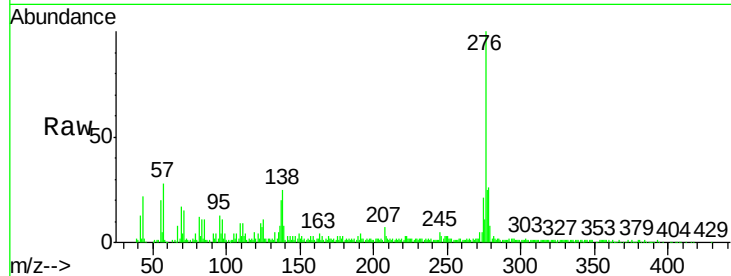
#90
Dibenzo(a,h)anthracene
Concen: 3.693 ng m
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF101457.D
Acq: 15 Dec 2017 21:42

Instrument :
BNA_F
ClientSampleId :
TP-02A-2

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.8	15.9	23.9#
279	29.7	19.0	28.4#

Manual Integrations
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12/18/2017 2:04:21 PM



#91
Benzo(g,h,i)perylene
Concen: 13.658 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.01 min
Lab File: BF101457.D
Acq: 15 Dec 2017 21:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	25.7	21.8	32.8

