

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101406.D
 Acq On : 14 Dec 2017 21:10
 Operator : SJ/JU
 Sample : I6840-01 100X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-41446854-02

Manual Integrations
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Sohil
 12/15/2017 6:44:22 PM

Quant Time: Dec 15 01:03:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	183536	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	746219	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	324702	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	591804	20.00	ng	0.00
75) Chrysene-d12	13.99	240	400044	20.00	ng	-0.01
86) Perylene-d12	15.46	264	334496	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	8537	0.69	ng	0.04
7) Phenol-d6	6.49	99	17270	1.13	ng	0.04
23) Nitrobenzene-d5	7.40	82	9967	0.74	ng	0.02
41) 2,4,6-Tribromophenol	10.66	330	2644	0.85	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	17663	0.84	ng	0.00
78) Terphenyl-d14	12.93	244	16863	1.02	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.12	128	88346	2.352	ng	98
51) Acenaphthene	9.89	154	45207	2.162	ng	97
70) Phenanthrene	11.37	178	276372	8.398	ng	99
71) Anthracene	11.42	178	69412	2.065	ng	98
74) Fluoranthene	12.56	202	196647	5.693	ng	97
77) Pyrene	12.79	202	289385	9.639	ng	99
80) Benzo(a)anthracene	13.98	228	74547	2.822	ng	# 92
82) Chrysene	14.02	228	67643	2.712	ng	# 95
87) Benzo(b)fluoranthene	15.04	252	61627m	3.023	ng	
89) Benzo(a)pyrene	15.40	252	51054	2.716	ng	98
91) Benzo(g,h,i)perylene	17.39	276	36595	2.290	ng	95

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

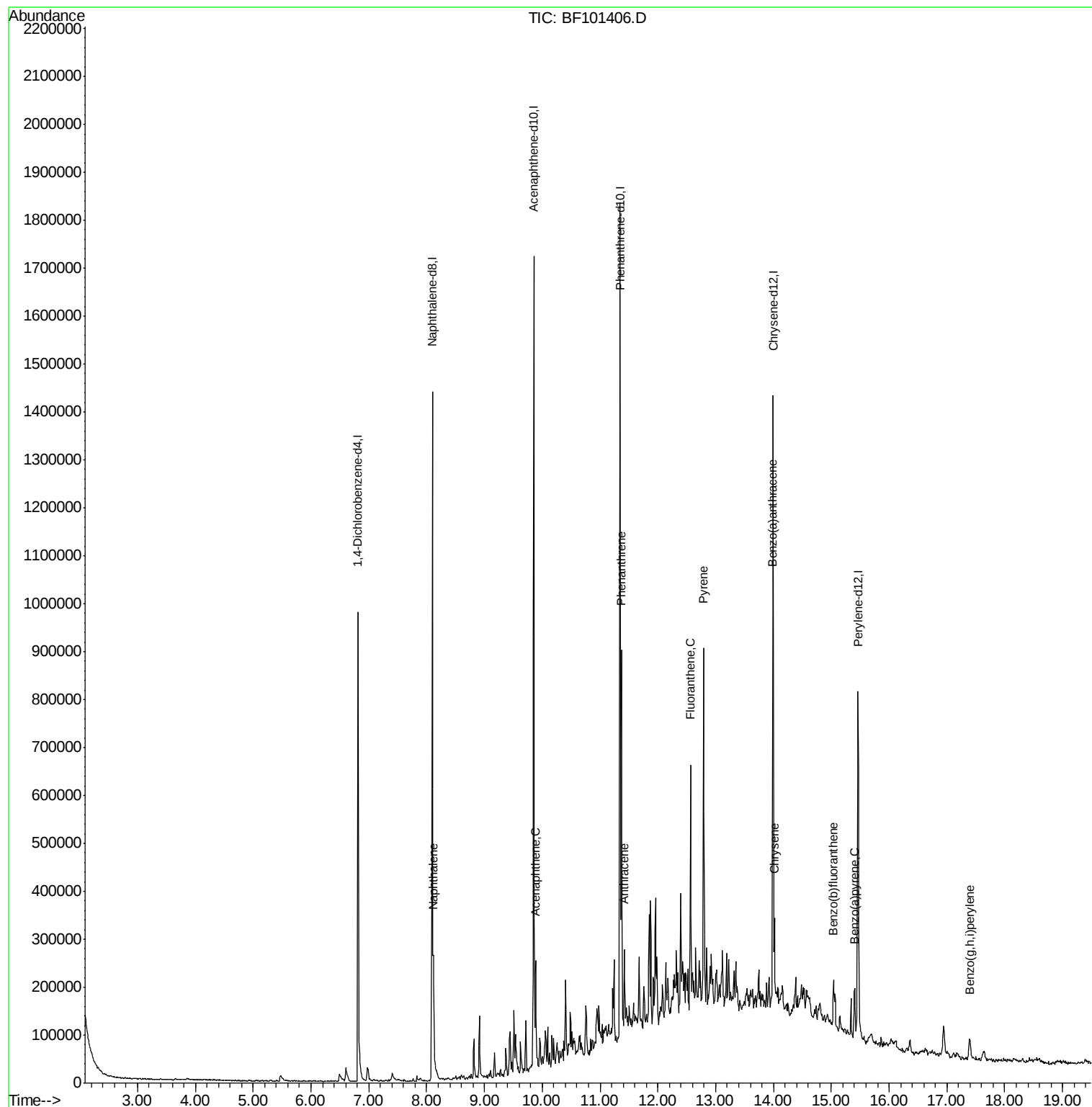
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101406.D
Acq On : 14 Dec 2017 21:10
Operator : SJ/JU
Sample : I6840-01 100X
Misc :
ALS Vial : 11 Sample Multiplier: 1

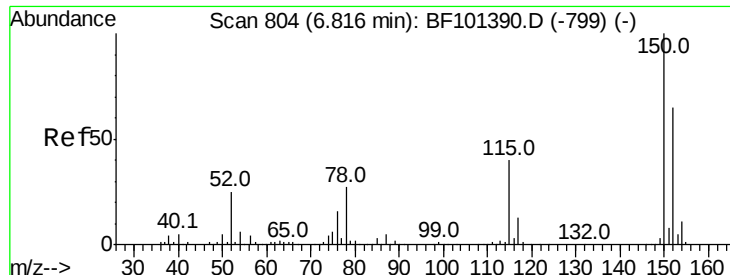
Instrument :
BNA_F
ClientSampleId :
WC-41446854-02

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Quant Time: Dec 15 01:03:42 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 15:42:32 2017
Response via : Initial Calibration





#1

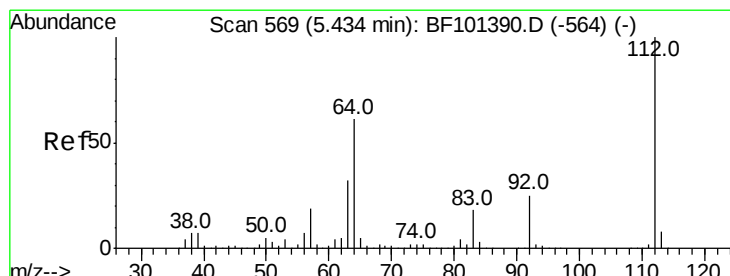
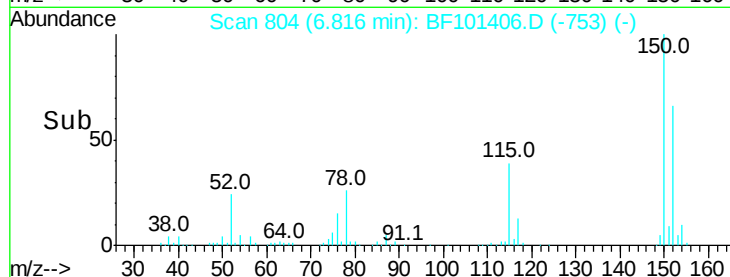
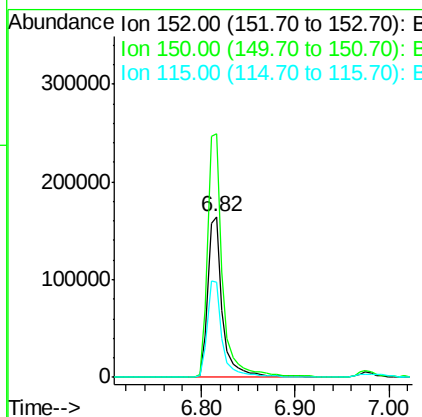
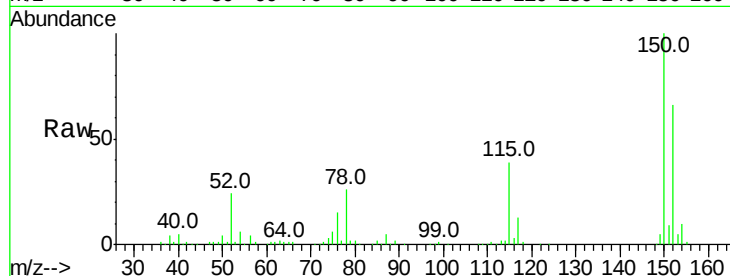
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Instrument :
BNA_F
ClientSampleId :
WC-41446854-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.6	186.8
115	59.0	50.1	75.1

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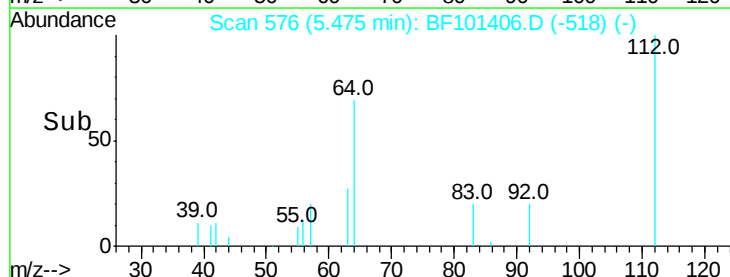
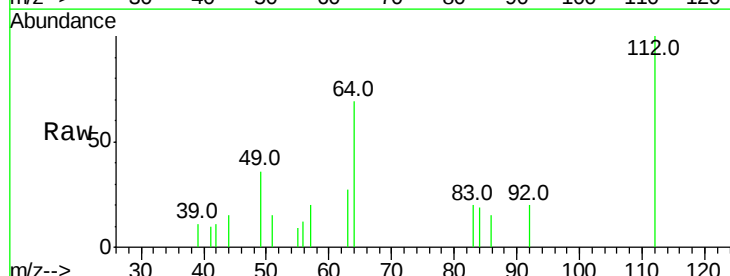
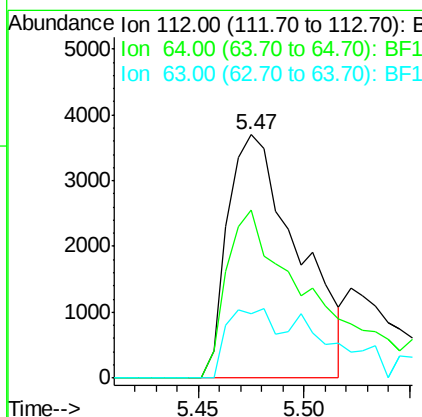
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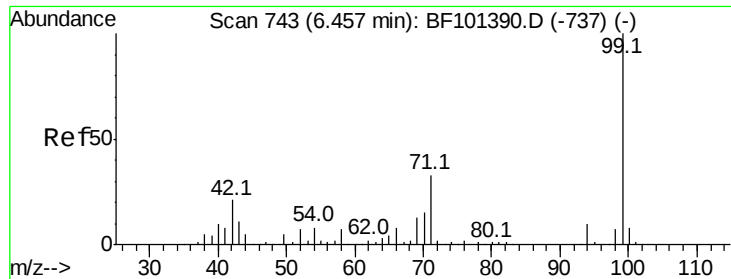


#5

2-Fluorophenol
Concen: 0.693 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.04 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.2	47.9	71.9
63	26.6	23.7	35.5





#7

Phenol-d6

Concen: 1.126 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.04 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

Instrument :

BNA_F

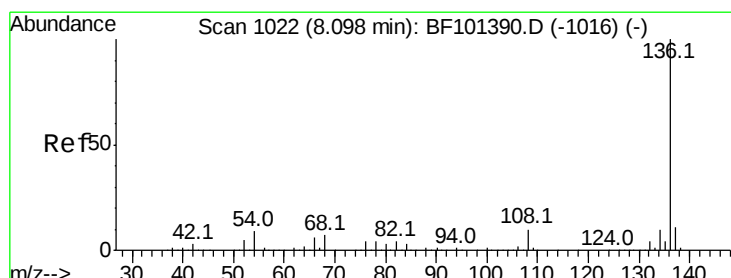
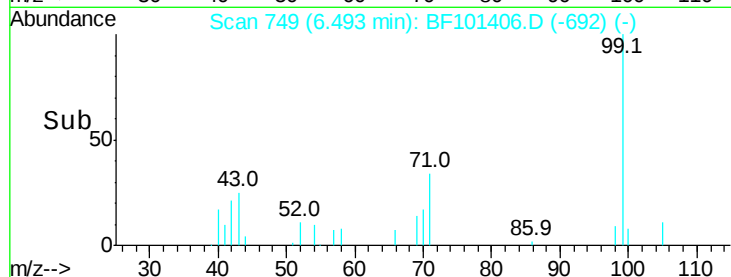
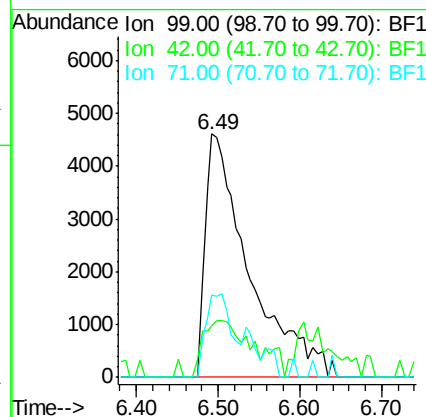
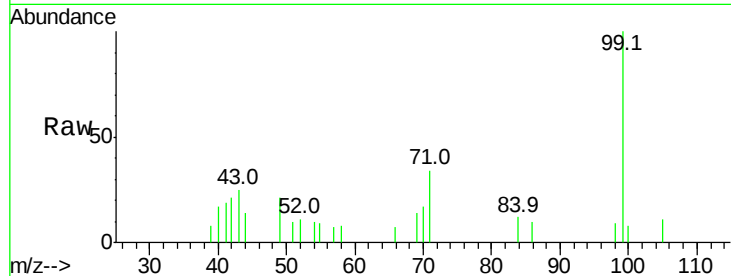
ClientSampleId :

WC-41446854-02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		17270		
42	21.2	14.5	21.7		
71	33.6	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

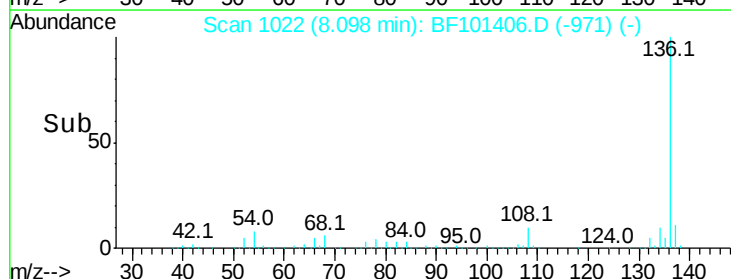
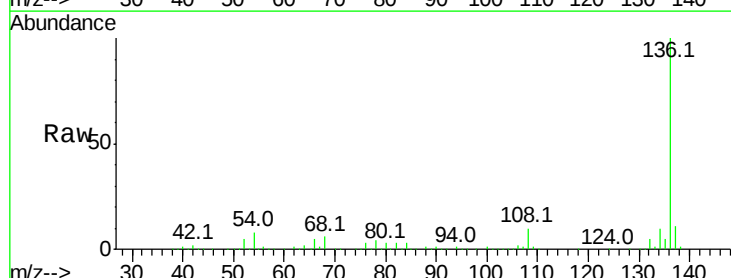
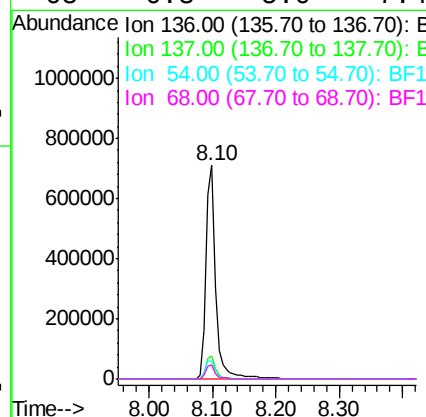
RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		746219		
137	10.9	8.9	13.3		
54	8.5	6.6	9.8		
68	6.3	5.0	7.4		





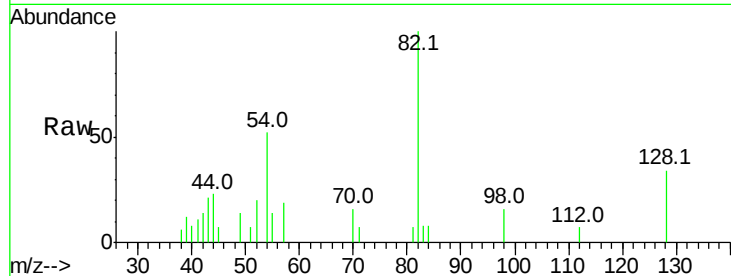
#23
Nitrobenzene-d5
Concen: 0.744 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.02 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Instrument :
BNA_F
ClientSampleId :
WC-41446854-02

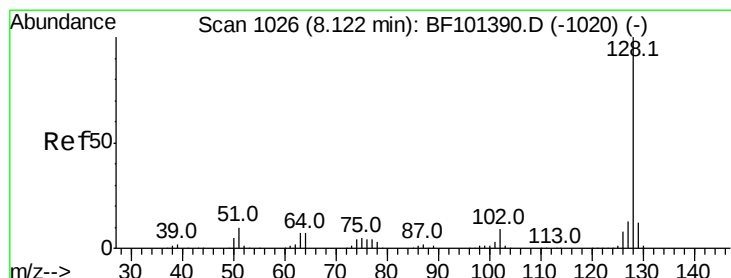
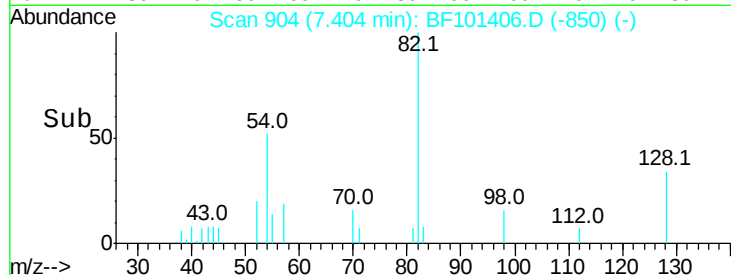
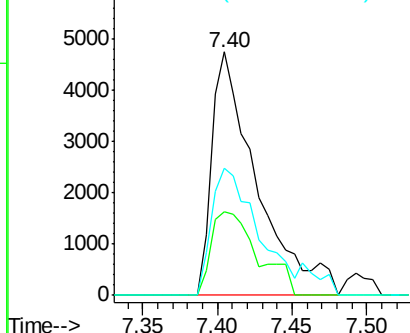
Tot Ion	Ratio	Lower	Upper
82	100		
128	34.5	36.1	54.1#
54	52.0	41.4	62.2

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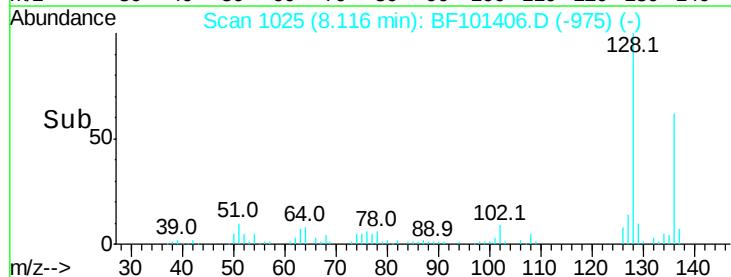
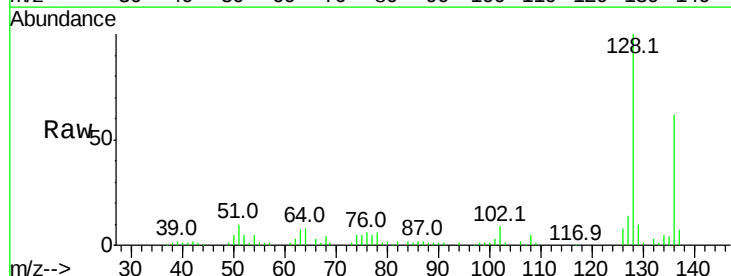
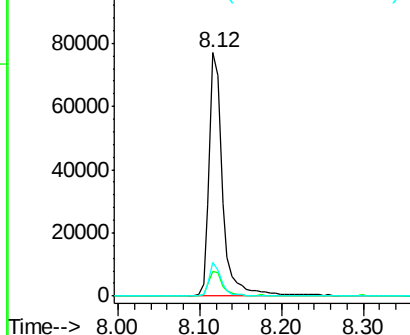
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Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

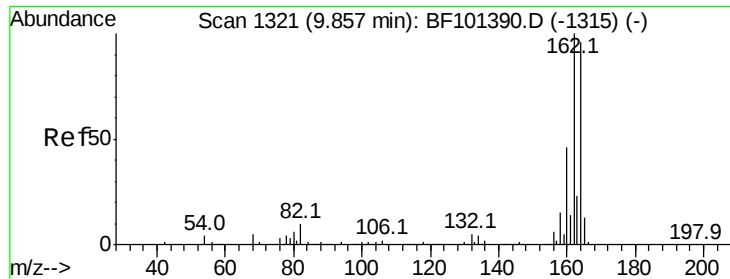


#31
Naphthalene
Concen: 2.352 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.8	13.2
127	14.0	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





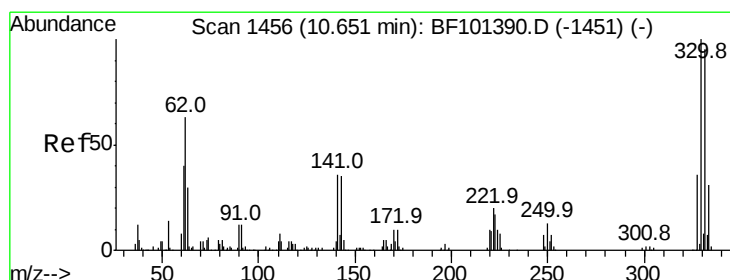
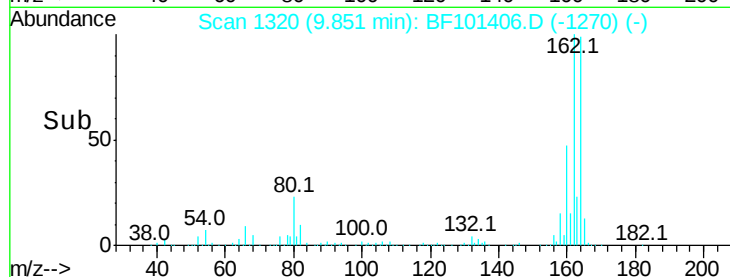
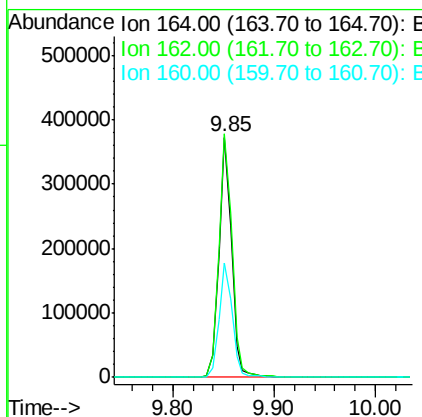
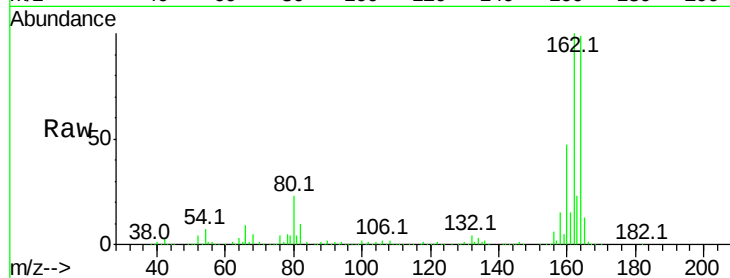
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF101406.D
 Acq: 14 Dec 2017 21:10

Instrument :
 BNA_F
 ClientSampleId :
 WC-41446854-02

Tot Ion	164	Resp	324702
Ion Ratio	Lower	Upper	
164	100		
162	101.4	86.1	129.1
160	47.8	38.3	57.5

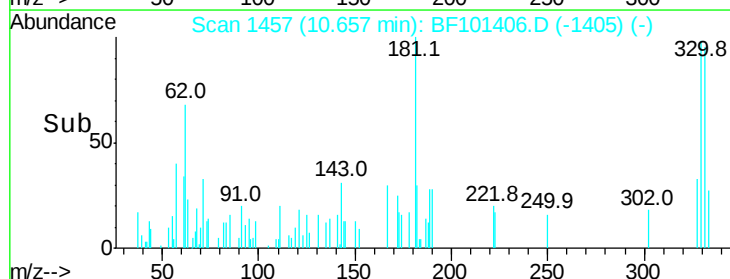
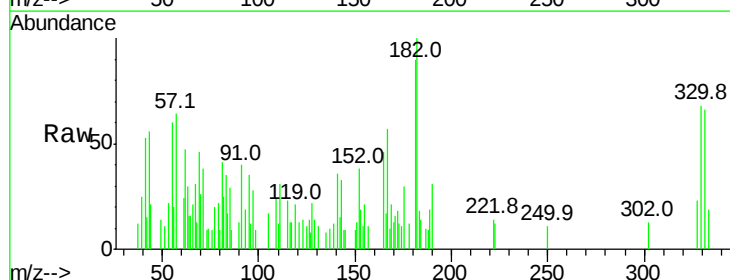
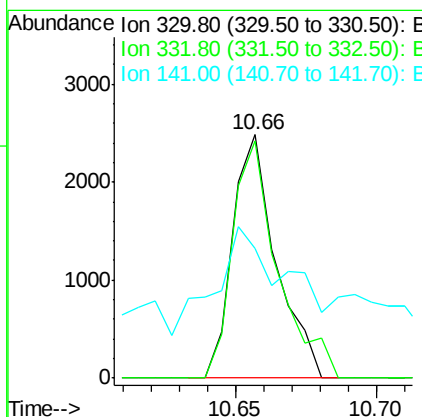
Manual Integrations
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#41
 2,4,6-Tribromophenol
 Concen: 0.845 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.01 min
 Lab File: BF101406.D
 Acq: 14 Dec 2017 21:10

Tgt Ion	330	Resp	2644
Ion Ratio	Lower	Upper	
330	100		
332	101.6	77.0	115.6
141	75.9	29.9	44.9#





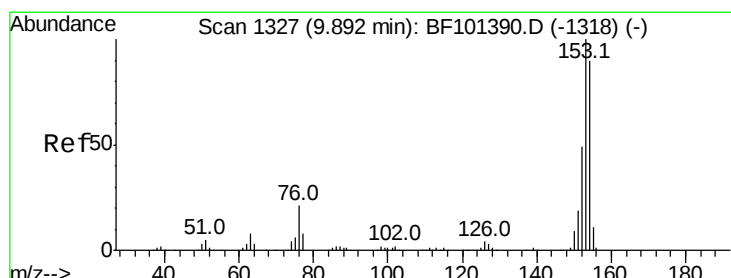
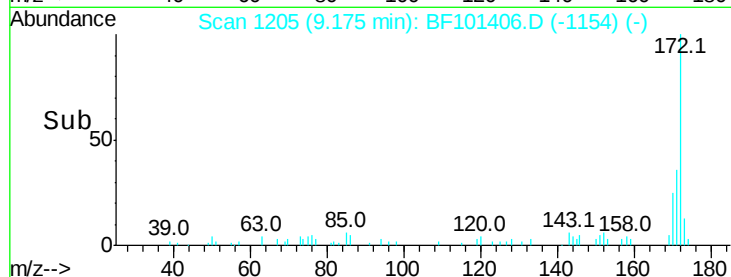
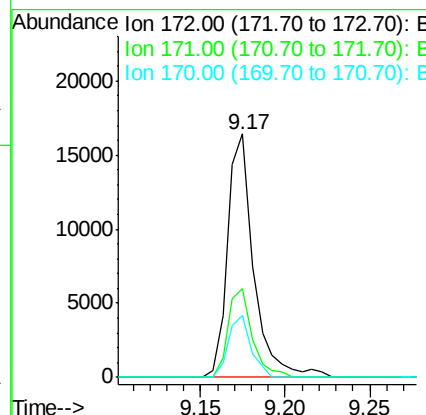
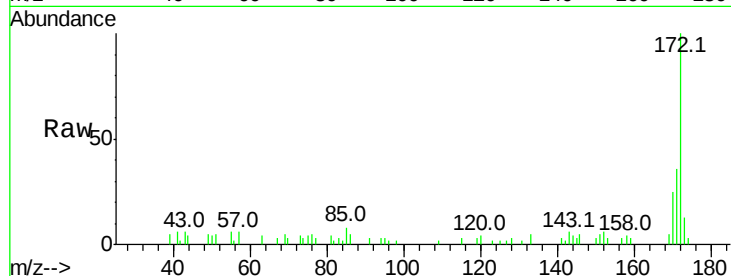
#44
2-Fluorobiphenyl
Concen: 0.844 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Instrument :
BNA_F
ClientSampleId :
WC-41446854-02

Tot Ion	Ratio	Resp	Lower	Upper
172	100	17663		
171	36.2		29.7	44.5
170	25.4		19.6	29.4

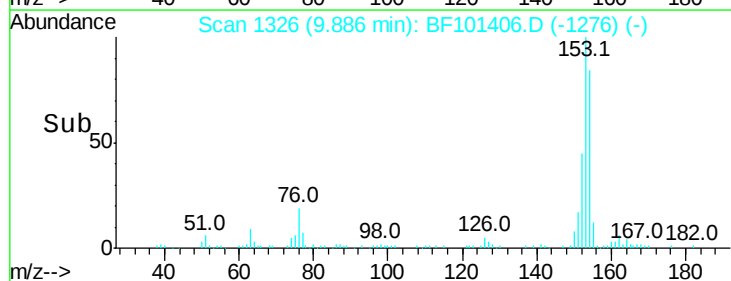
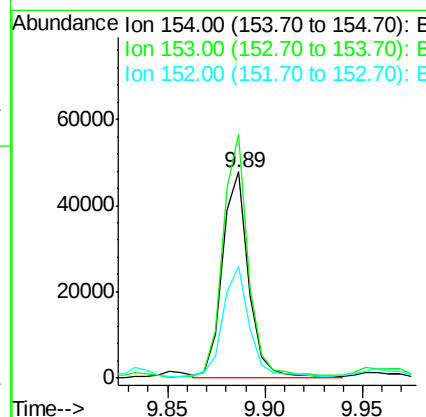
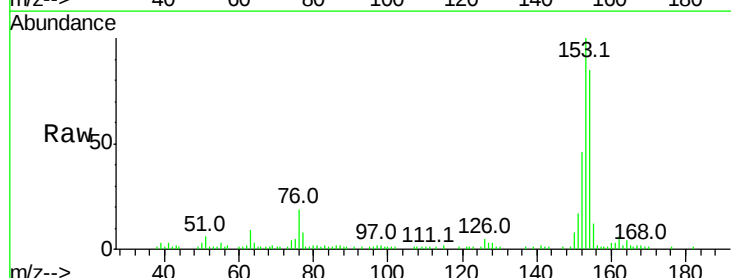
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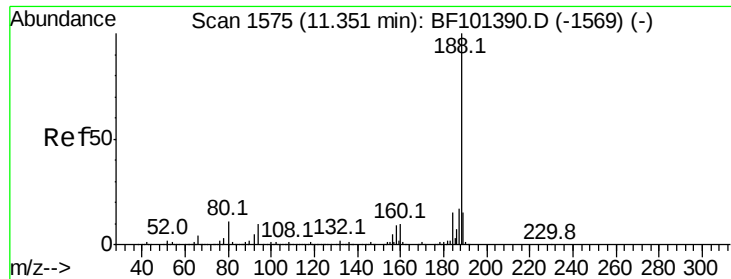
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#51
Acenaphthene
Concen: 2.162 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	45207		
153	118.0		91.2	136.8
152	54.4		43.8	65.8





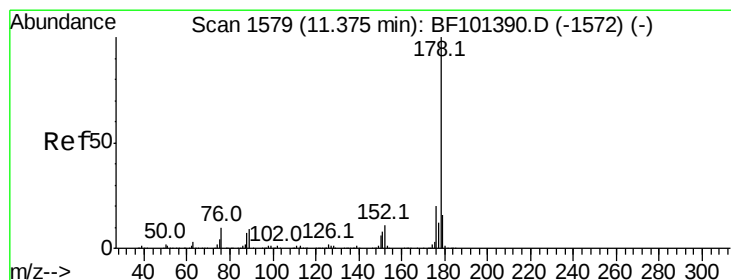
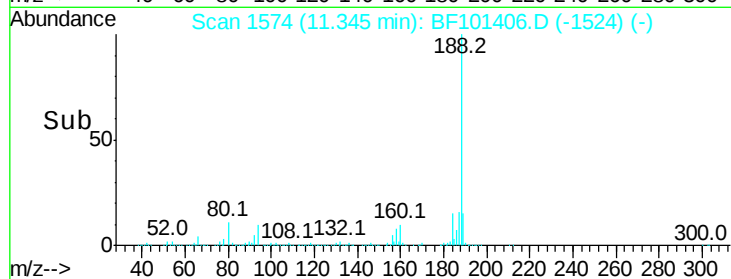
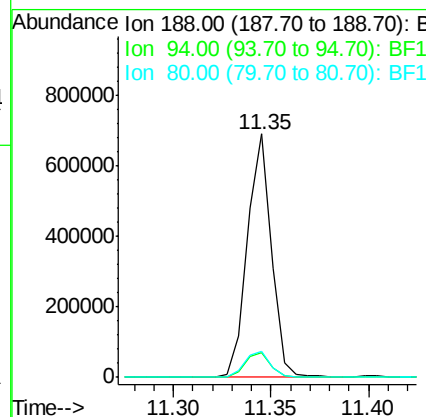
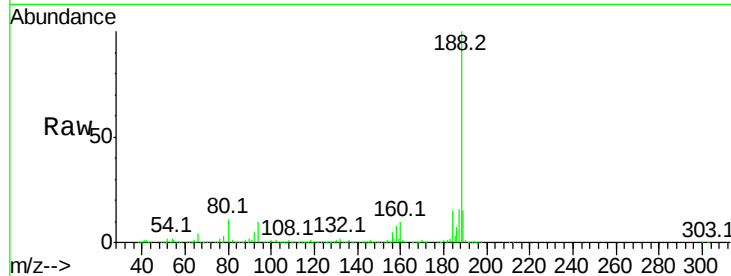
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Instrument :
BNA_F
ClientSampleId :
WC-41446854-02

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.9	9.2	13.8

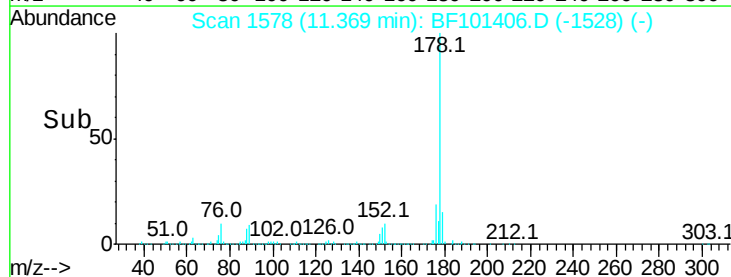
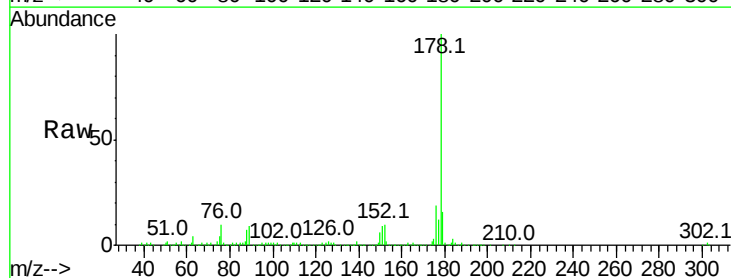
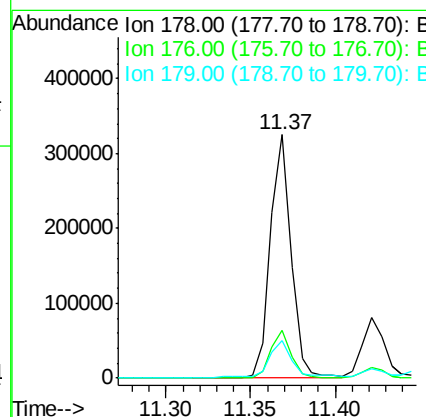
Manual Integrations
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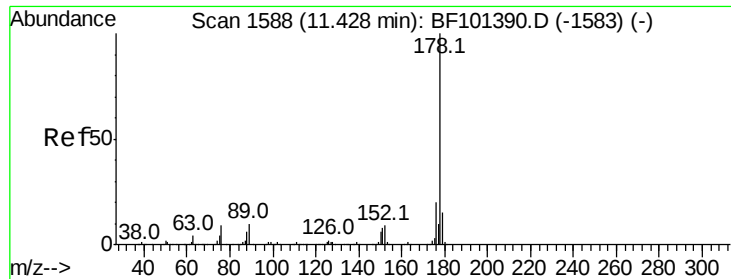
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#70
Phenanthrene
Concen: 8.398 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.6	13.0	19.6





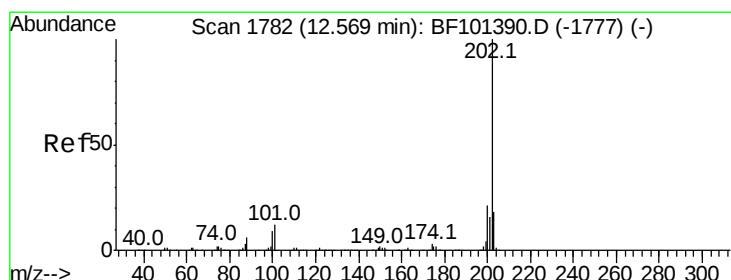
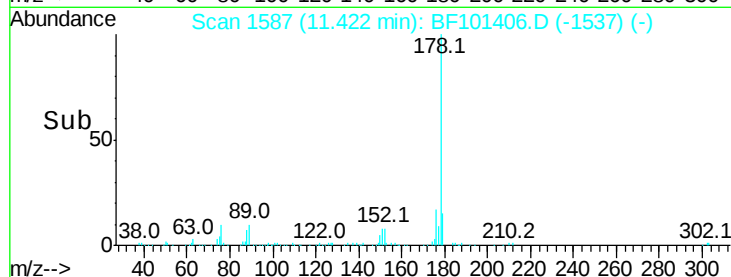
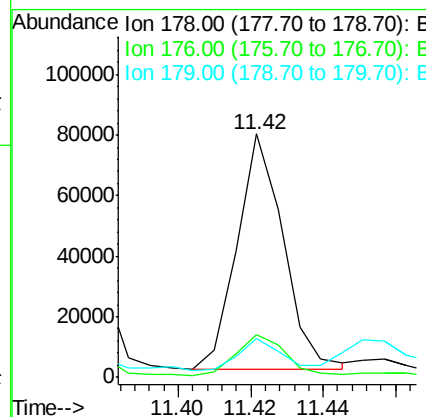
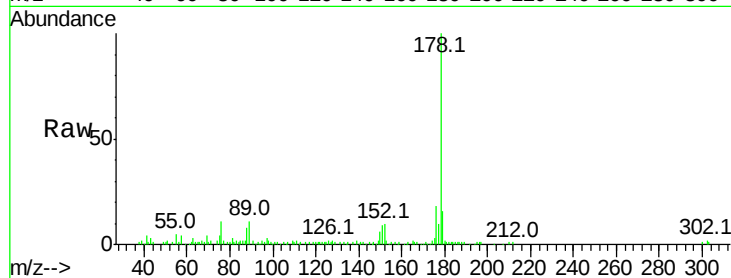
#71
 Anthracene
 Concen: 2.065 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF101406.D
 Acq: 14 Dec 2017 21:10

Instrument :
 BNA_F
 ClientSampleId :
 WC-41446854-02

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	16.2	12.6	19.0

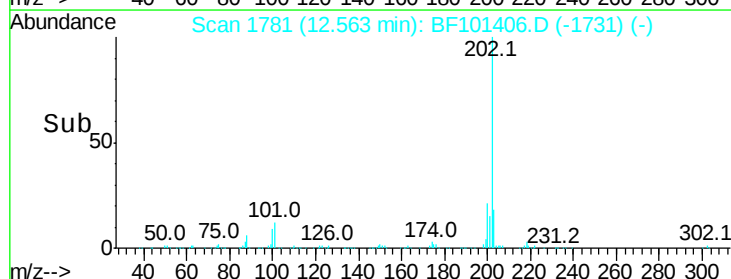
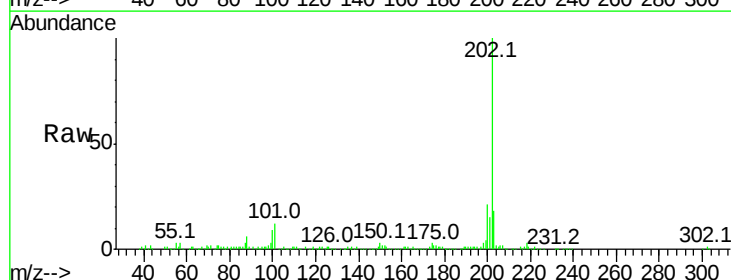
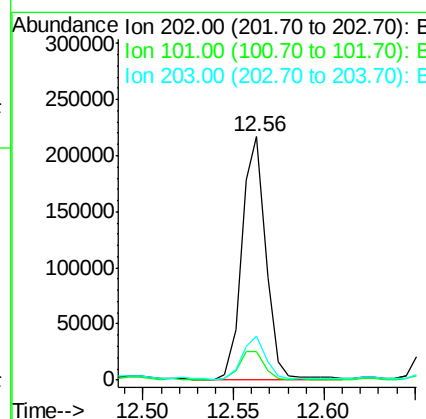
Manual Integrations
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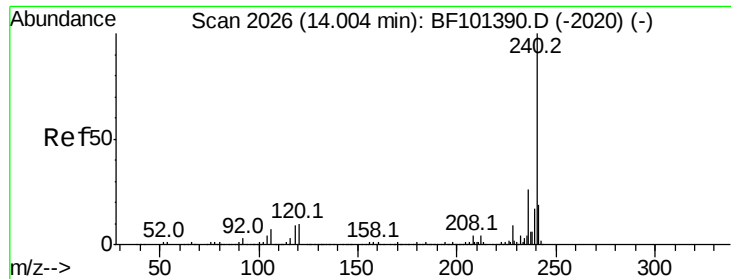
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#74
 Fluoranthene
 Concen: 5.693 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. -0.01 min
 Lab File: BF101406.D
 Acq: 14 Dec 2017 21:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

Instrument :

BNA_F

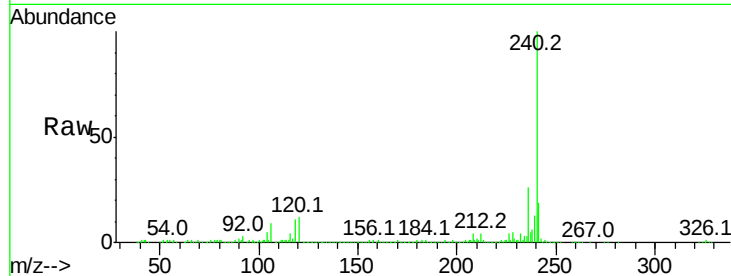
ClientSampleId :

WC-41446854-02

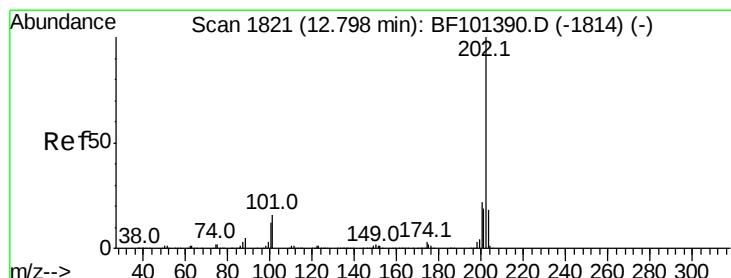
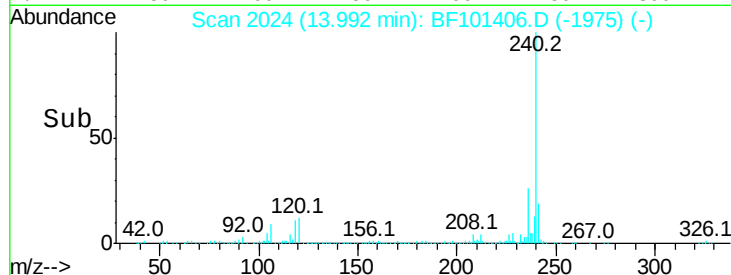
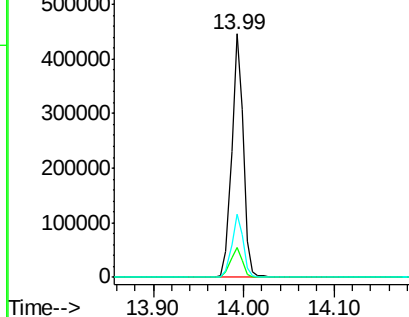
Tot Ion:	240	Resp:	400044
Ion Ratio	Lower	Upper	
240	100		
120	12.3	9.5	14.3
236	25.9	20.7	31.1

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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: 9.639 ng

RT: 12.79 min Scan# 1820

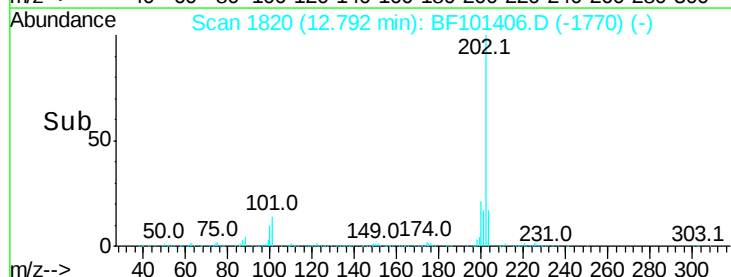
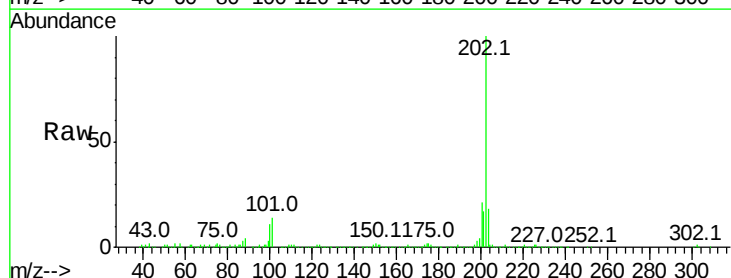
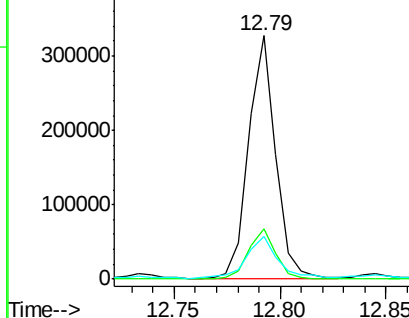
Delta R.T. -0.01 min

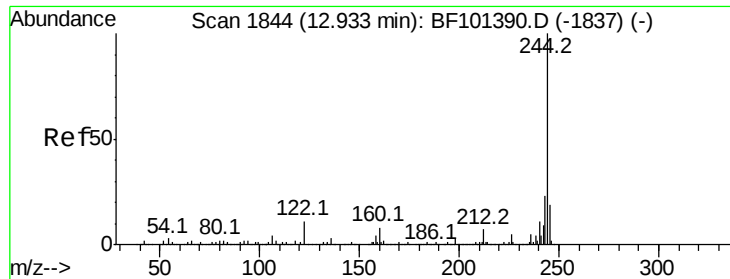
Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

Tgt Ion:	202	Resp:	289385
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	17.7	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: 1.016 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

Instrument :

BNA_F

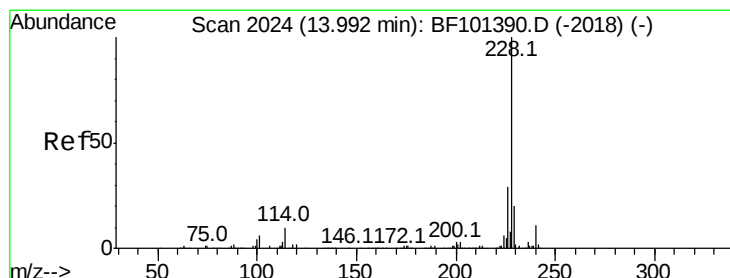
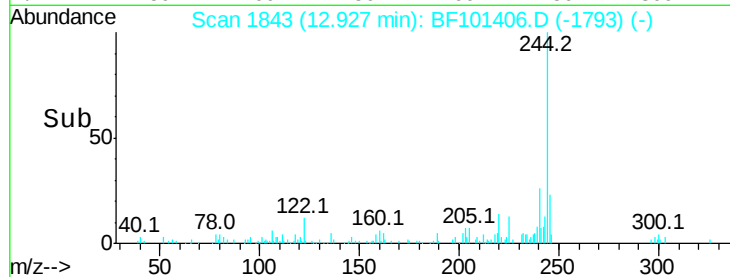
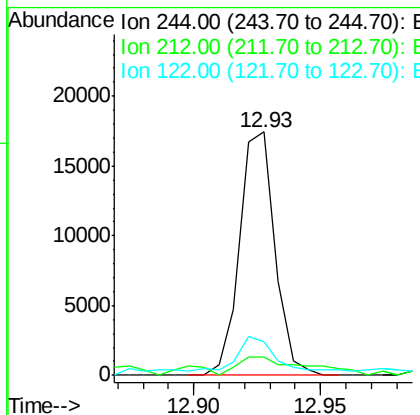
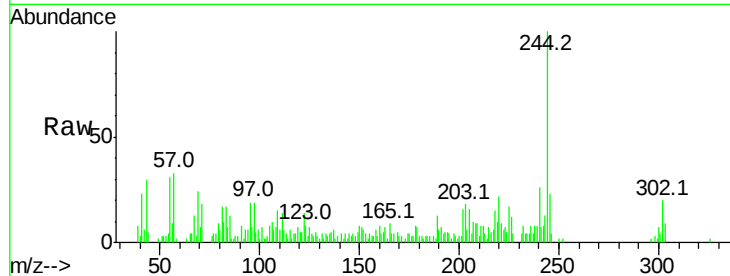
ClientSampleId :

WC-41446854-02

Tot Ion:	244	Resp:	16863
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.4	8.0
122	13.7	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 2.822 ng

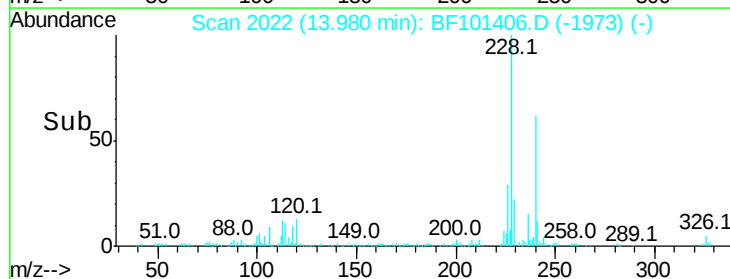
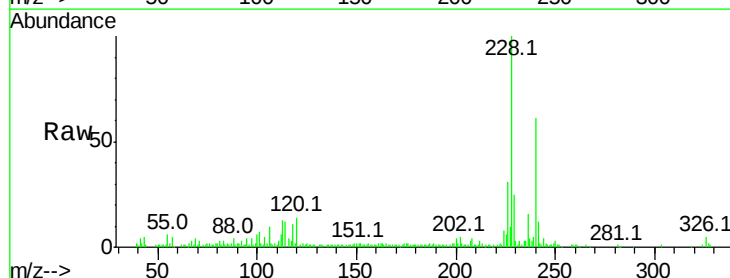
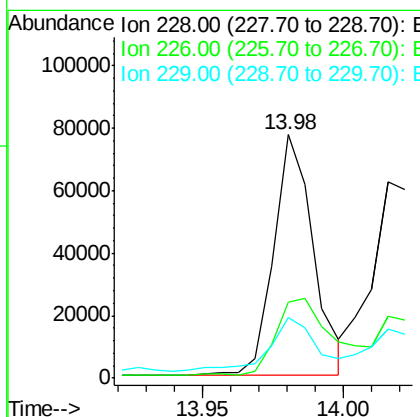
RT: 13.98 min Scan# 2022

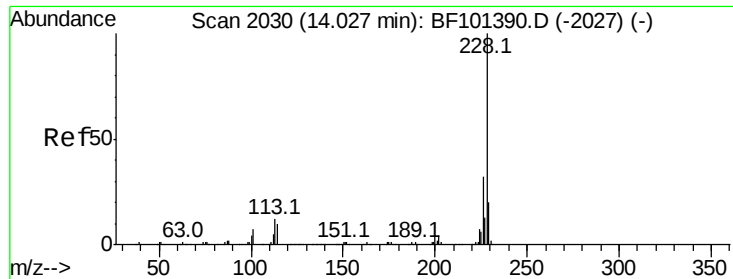
Delta R.T. -0.01 min

Lab File: BF101406.D

Acq: 14 Dec 2017 21:10

Tgt Ion:	228	Resp:	74547
Ion Ratio	Lower	Upper	
228	100		
226	31.4	22.6	33.8
229	24.6	15.8	23.6#





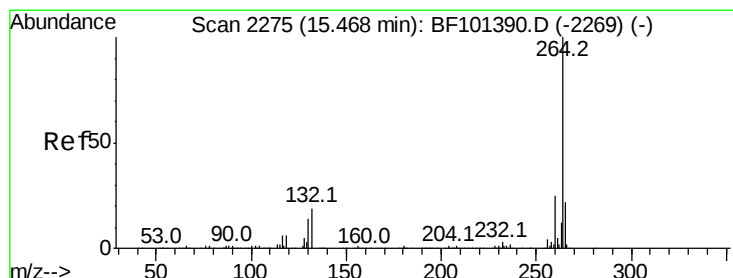
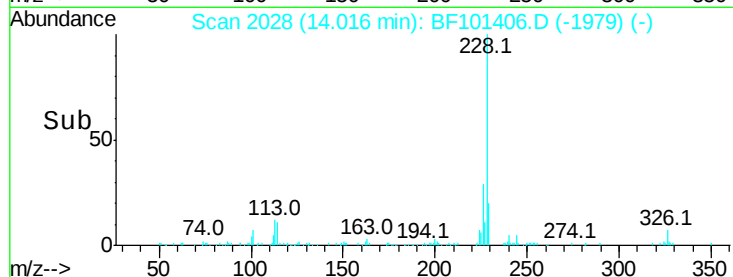
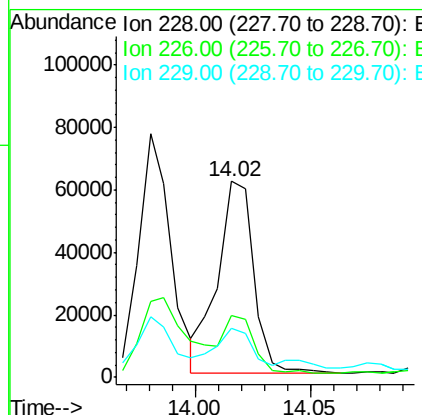
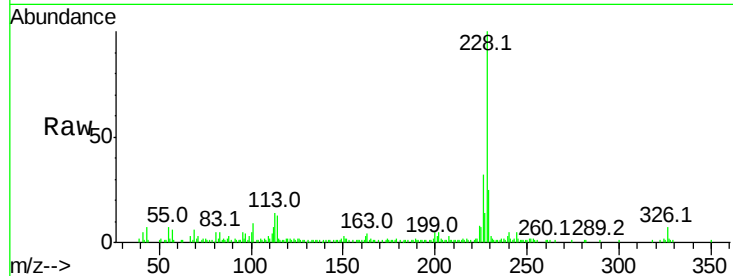
#82
Chrysene
Concen: 2.712 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Instrument :
BNA_F
ClientSampled :
WC-41446854-02

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	25.2	16.2	24.4

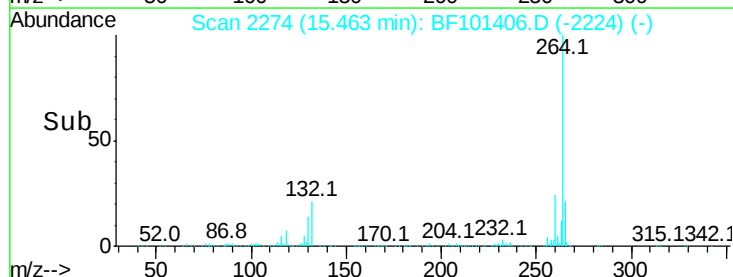
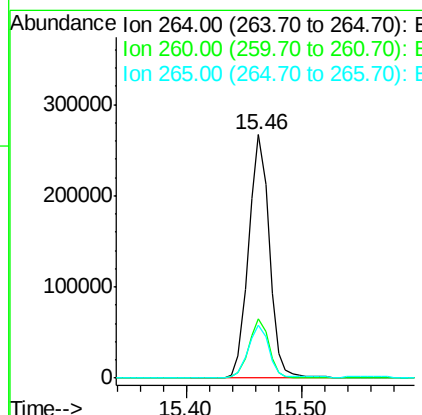
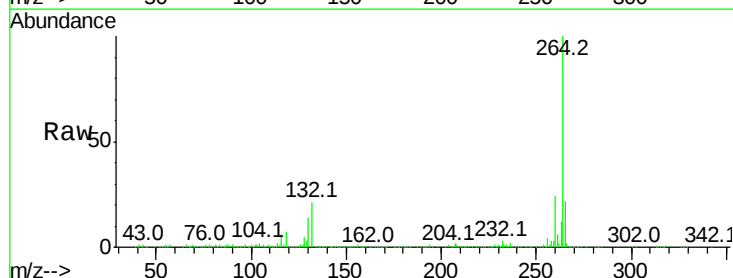
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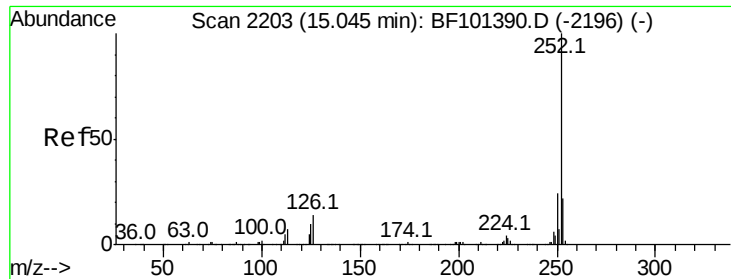
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.6	17.5	26.3





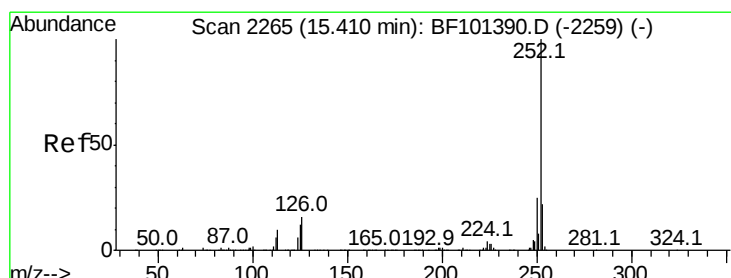
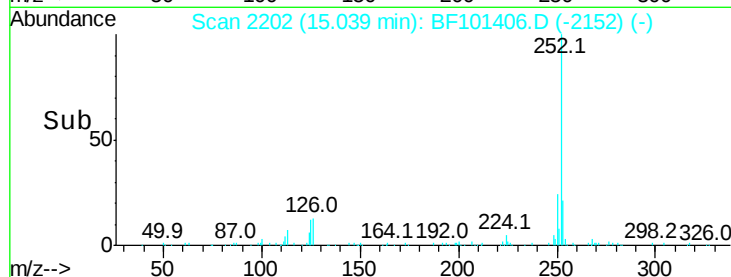
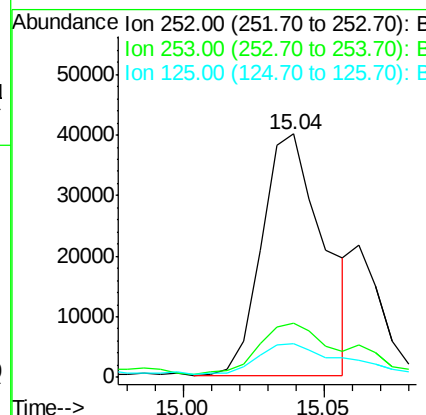
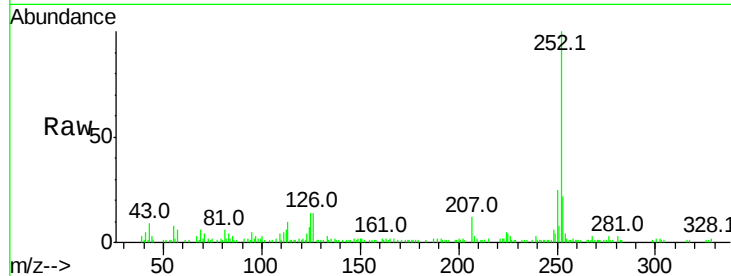
#87
Benzo(b)fluoranthene
Concen: 3.023 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Instrument :
BNA_F
ClientSampleId :
WC-41446854-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	14.0	9.0	13.6

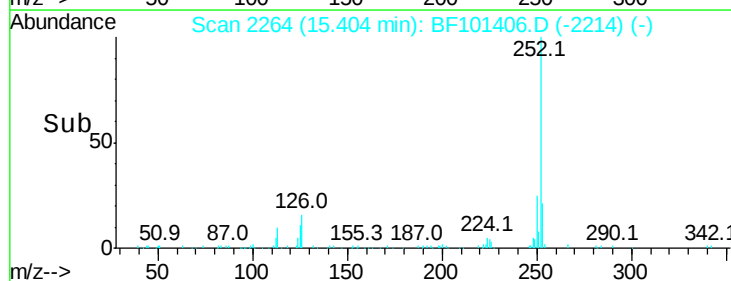
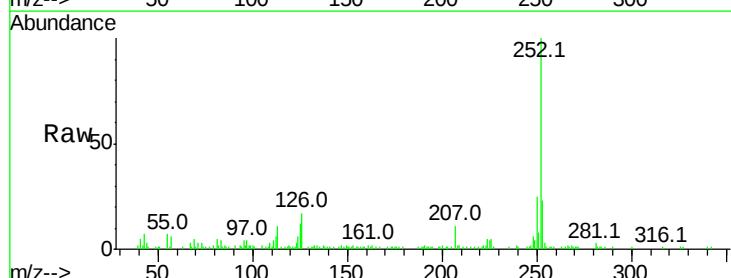
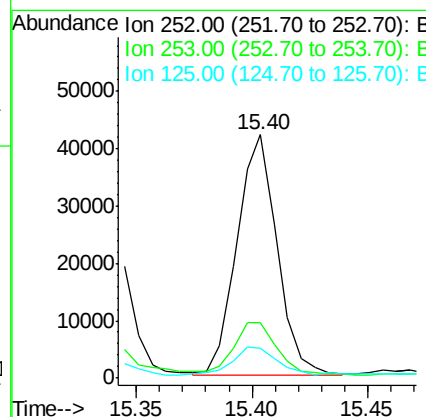
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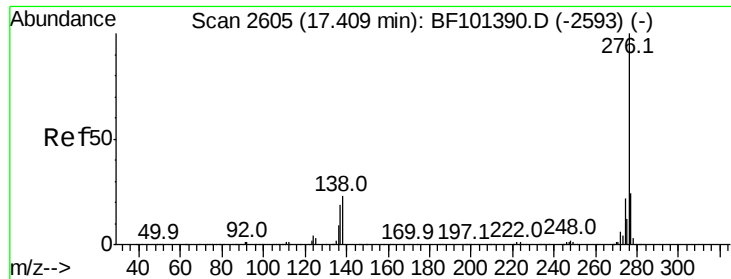
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#89
Benzo(a)pyrene
Concen: 2.716 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF101406.D
Acq: 14 Dec 2017 21:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	12.3	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.290 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. -0.02 min
 Lab File: BF101406.D
 Acq: 14 Dec 2017 21:10

Instrument :
 BNA_F
 ClientSampleId :
 WC-41446854-02

Tot Ion:	276	Resp:	36595
Ion Ratio	Lower	Upper	
276	100		
277	26.2	17.9	26.9
138	25.7	21.8	32.8

Manual Integrations
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