

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104716.D
 Acq On : 23 Apr 2018 18:14
 Operator : JU/SJ
 Sample : J2482-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NORTHLAWN-PRECHAR-AREA-2

Manual Integrations
 APPROVED

Sohil
 4/24/2018 3:48:53 PM

Quant Time: Apr 24 09:51:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	103883	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	402611	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	159869	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	266261	20.00	ng	0.00
75) Chrysene-d12	13.99	240	187742	20.00	ng	0.00
86) Perylene-d12	15.46	264	136323	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	609003	89.64	ng	0.01
7) Phenol-d6	6.45	99	726633	87.05	ng	0.00
23) Nitrobenzene-d5	7.37	82	397170	64.42	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	139418	84.07	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	678723	67.07	ng	0.00
78) Terphenyl-d14	12.93	244	522150	63.41	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.56	163	57582	4.567	ng	98
70) Phenanthrene	11.36	178	151254	10.201	ng	98
71) Anthracene	11.42	178	43977	2.918	ng	98
74) Fluoranthene	12.56	202	296882	19.163	ng	98
77) Pyrene	12.79	202	262150	18.838	ng	99
80) Benzo(a)anthracene	13.97	228	128899	11.493	ng	99
82) Chrysene	14.01	228	109872	9.537	ng	97
85) Indeno(1,2,3-cd)pyrene	16.92	276	44102	4.506	ng	92
87) Benzo(b)fluoranthene	15.03	252	118390m	13.750	ng	
88) Benzo(k)fluoranthene	15.06	252	30906m	3.802	ng	
89) Benzo(a)pyrene	15.39	252	79173	10.277	ng	# 95
91) Benzo(a,h,i)perylene	17.36	276	45713	7.457	ng	96

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

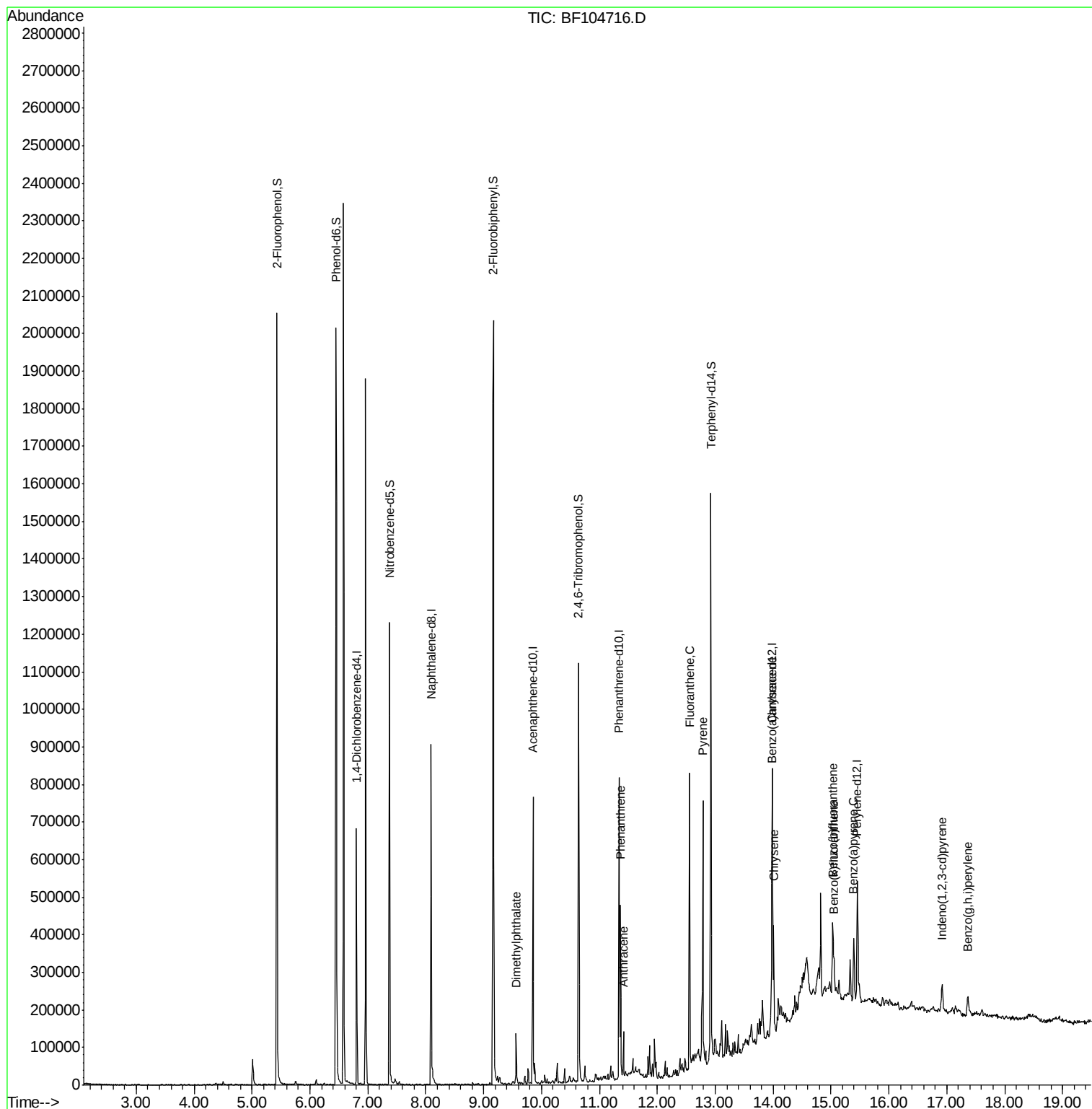
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104716.D
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Operator : JU/SJ
Sample : J2482-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

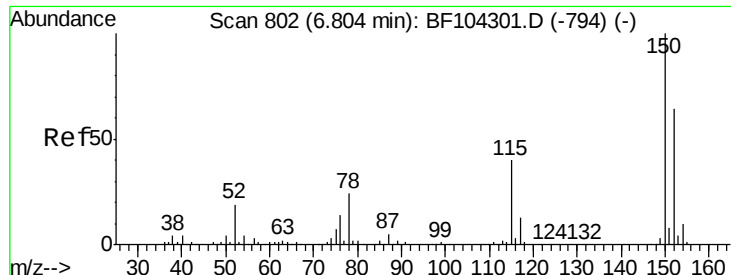
Instrument :
BNA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-2

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#1

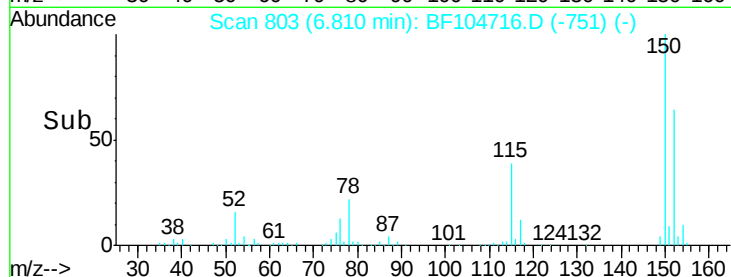
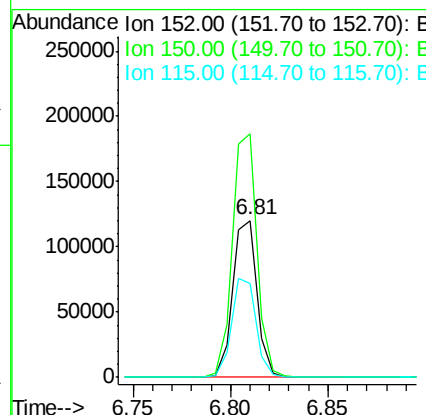
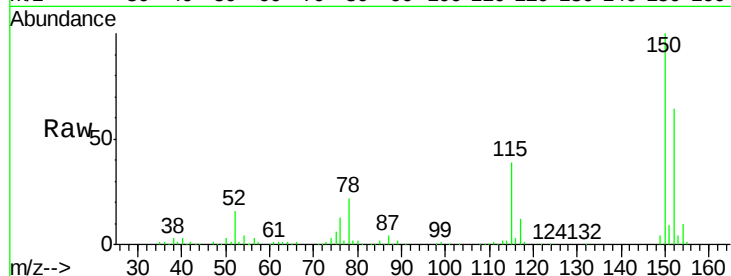
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104716.D
Acq: 23 Apr 2018 18:14

Instrument :
BNA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	60.2	50.1	75.1

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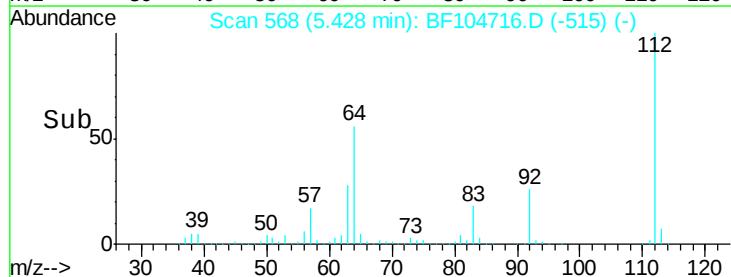
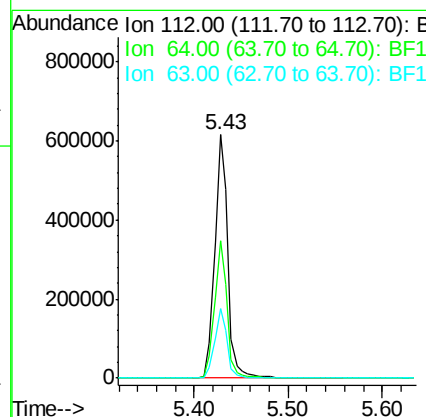
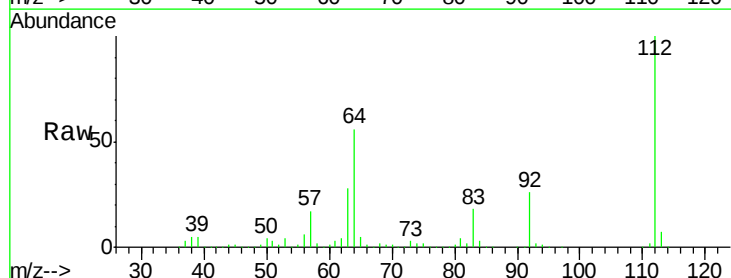
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#5

2-Fluorophenol
Concen: 89.639 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104716.D
Acq: 23 Apr 2018 18:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	28.4	23.7	35.5





#7

Phenol-d6

Concen: 87.048 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104716.D

Acq: 23 Apr 2018 18:14

Instrument :

BNA_F

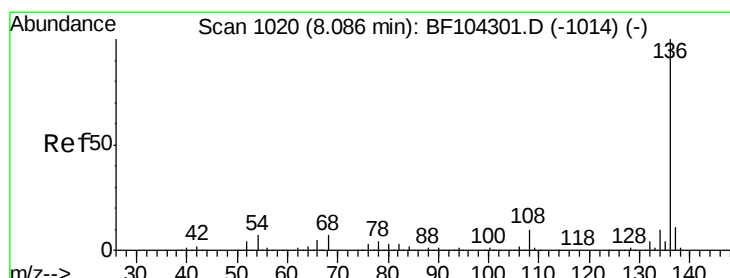
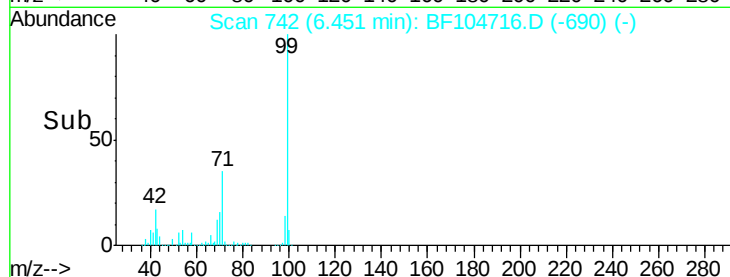
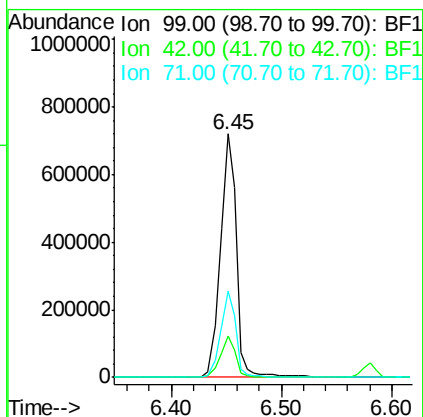
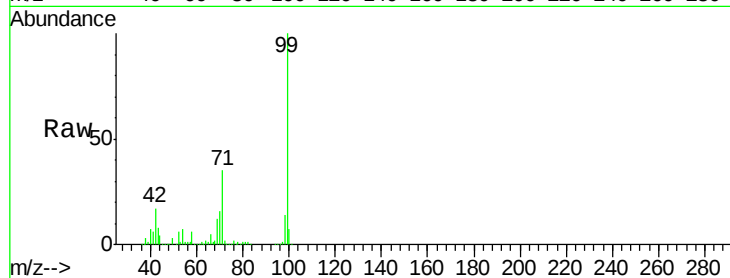
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-2

Tot Ion:	99	Resp:	726633
Ion Ratio	Lower	Upper	
99	100		
42	16.9	14.5	21.7
71	35.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

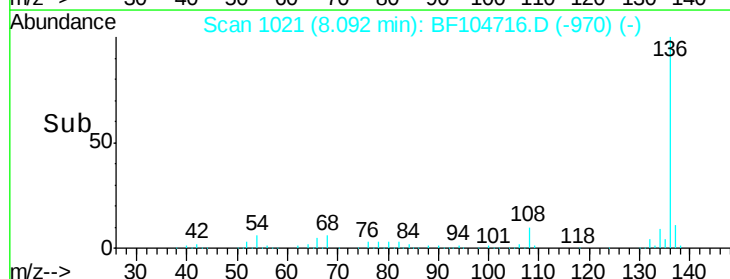
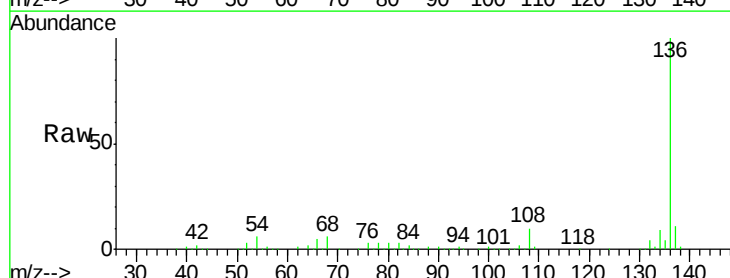
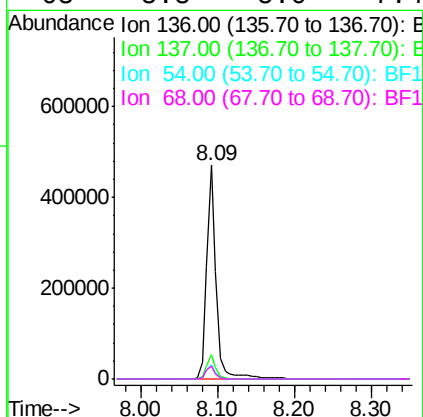
RT: 8.09 min Scan# 1021

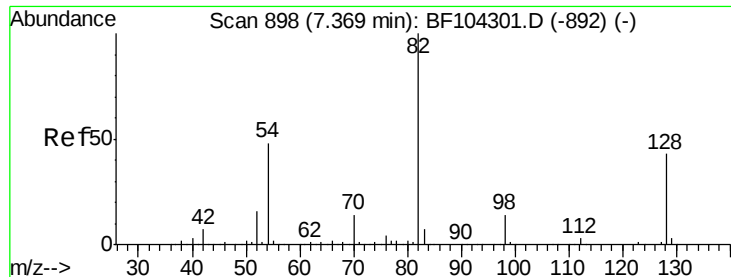
Delta R.T. -0.00 min

Lab File: BF104716.D

Acq: 23 Apr 2018 18:14

Tgt Ion:	136	Resp:	402611
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	6.4	6.6	9.8#
68	5.8	5.0	7.4





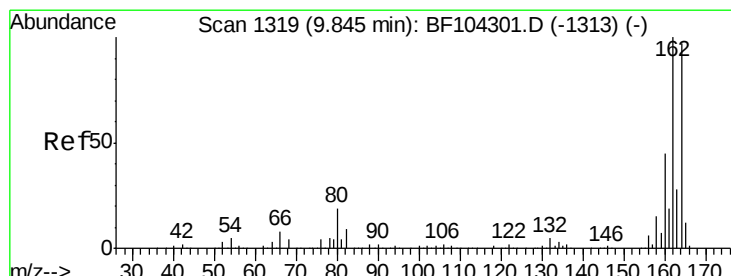
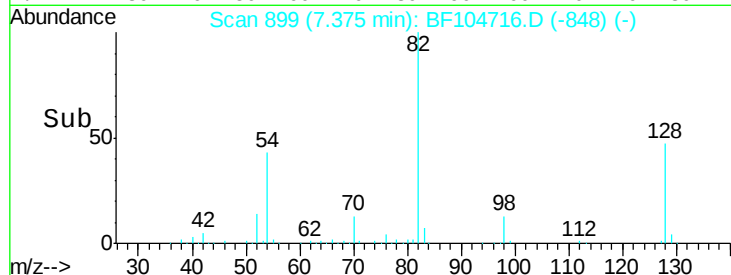
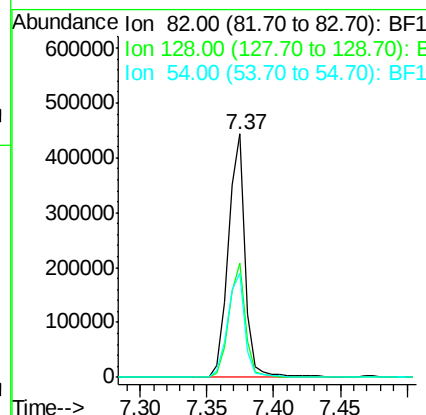
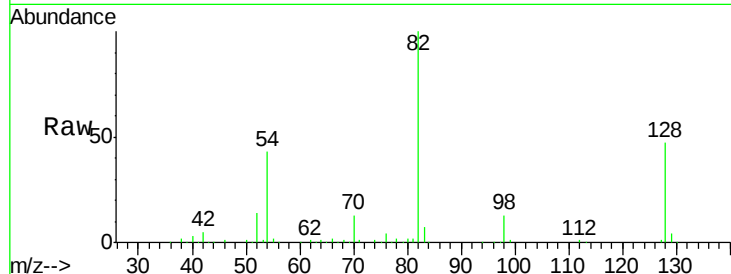
#23
 Nitrobenzene-d5
 Concen: 64.416 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF104716.D
 Acq: 23 Apr 2018 18:14

Instrument :
 BNA_F
 ClientSampleId :
 NORTHLAWN-PRECHAR-AREA-2

Tot Ion	82	Resp	397170
Ion Ratio	100	Lower	Upper
128	46.7	36.1	54.1
54	42.7	41.4	62.2

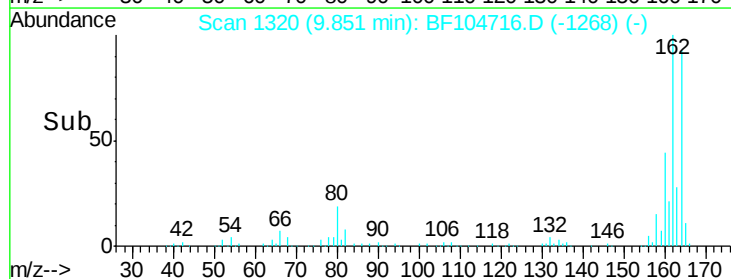
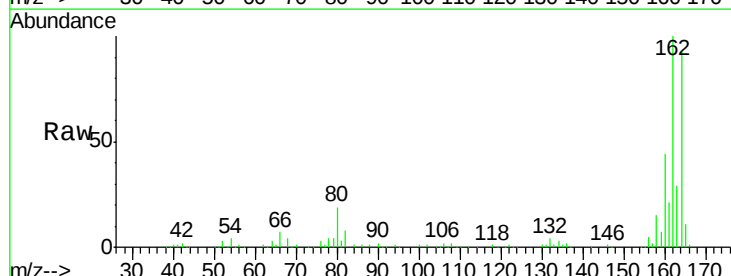
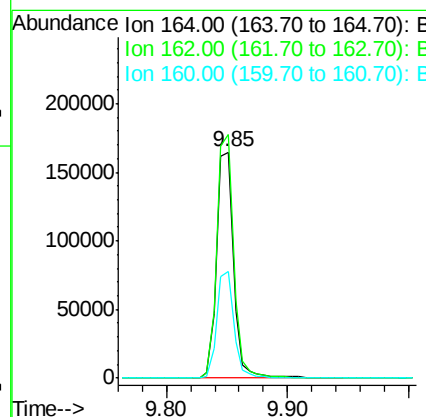
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: BF104716.D
 Acq: 23 Apr 2018 18:14

Tgt Ion	164	Resp	159869
Ion Ratio	100	Lower	Upper
162	107.7	86.1	129.1
160	47.2	38.3	57.5





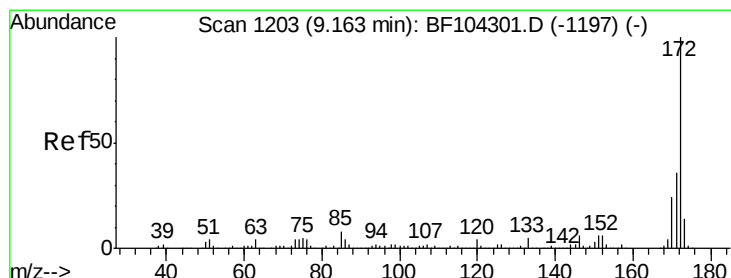
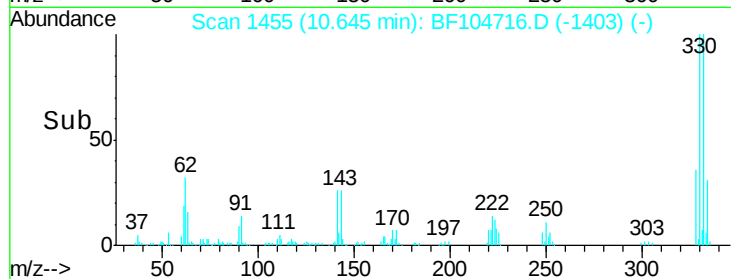
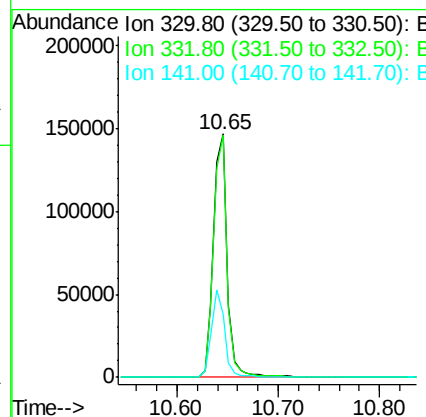
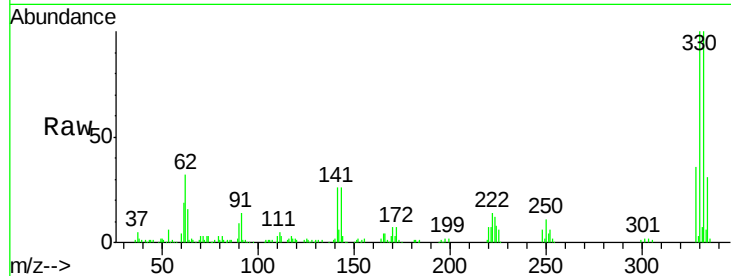
#41
 2,4,6-Tribromophenol
 Concen: 84.070 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104716.D
 Acq: 23 Apr 2018 18:14

Instrument :
 BNA_F
 ClientSampleId :
 NORTHLAWN-PRECHAR-AREA-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.6	77.0	115.6	
141	34.4	29.9	44.9	

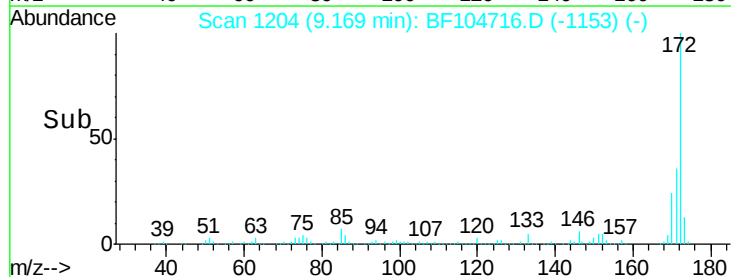
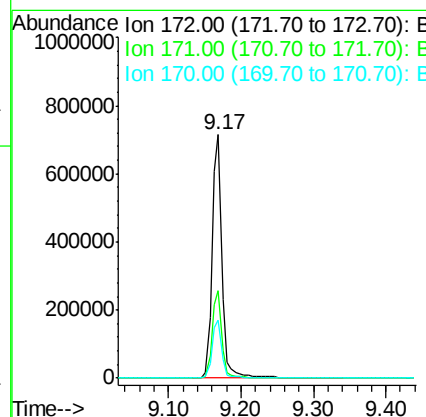
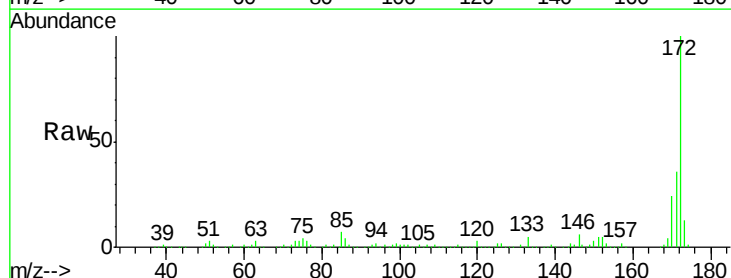
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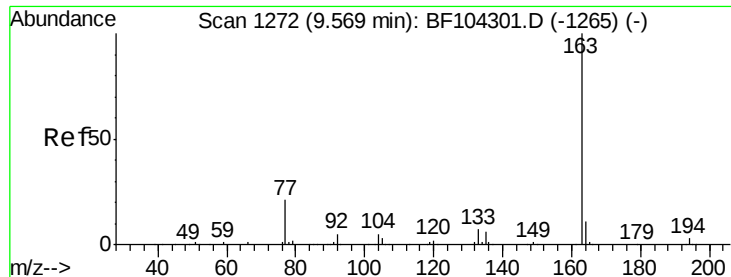
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#44
 2-Fluorobiphenyl
 Concen: 67.068 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104716.D
 Acq: 23 Apr 2018 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.7	44.5	
170	23.8	19.6	29.4	





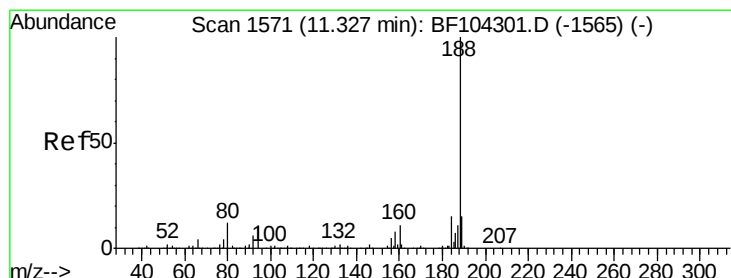
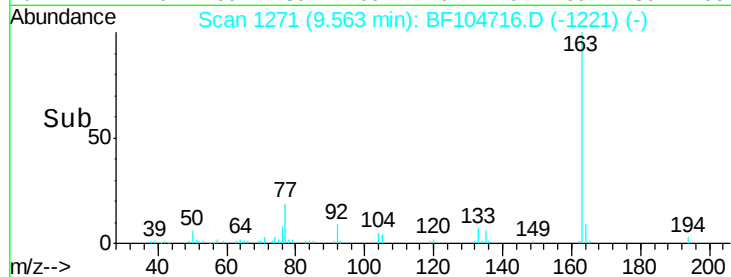
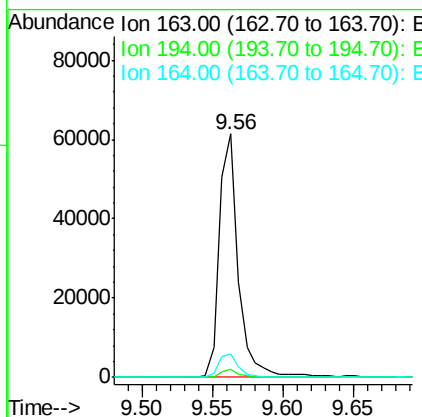
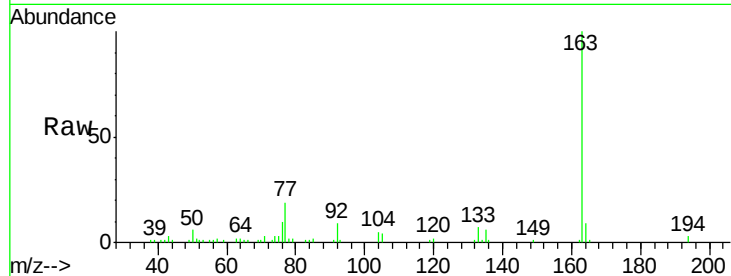
#49
Dimethylphthalate
Concen: 4.567 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104716.D
Acq: 23 Apr 2018 18:14

Instrument :
BNA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	3.4		2.7	4.1	
164	9.4		8.2	12.2	

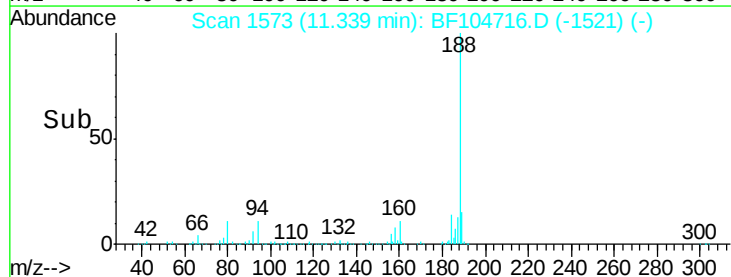
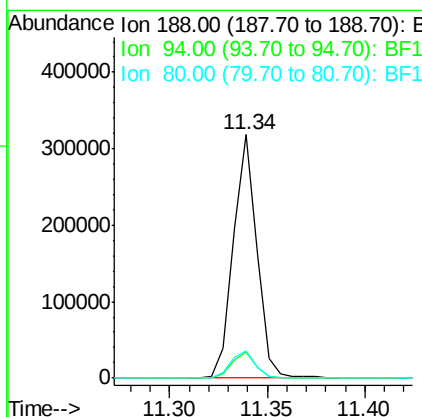
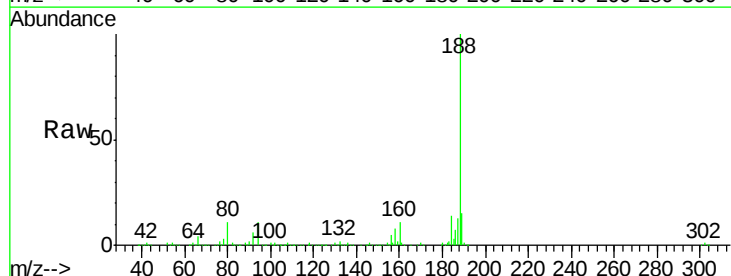
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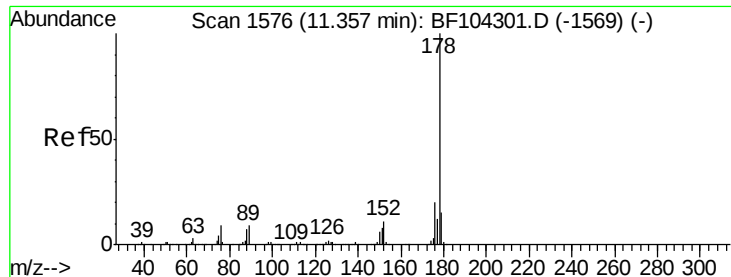
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104716.D
Acq: 23 Apr 2018 18:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	10.6		8.5	12.7	
80	11.3		9.2	13.8	





#70

Phenanthrene

Concen: 10.201 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BF104716.D

Acq: 23 Apr 2018 18:14

Instrument :

BNA_F

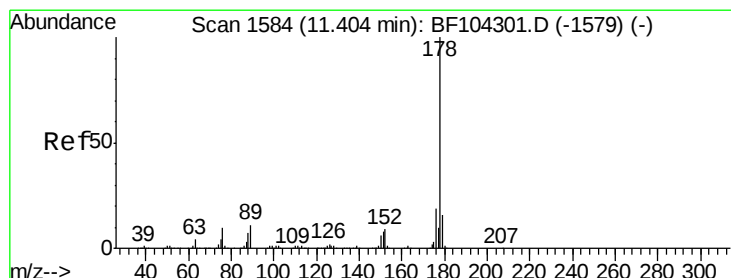
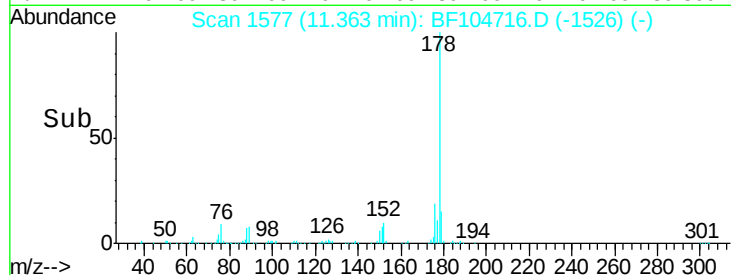
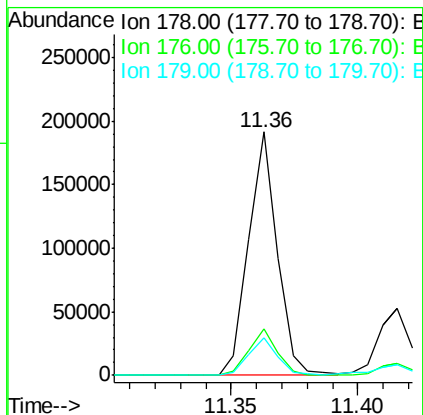
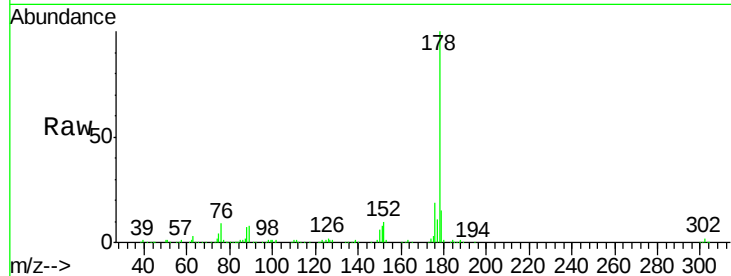
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-2

Tot Ion:178	Resp:	151254
Ion Ratio	Lower	Upper
178	100	
176	18.9	15.8 23.8
179	15.2	13.0 19.6

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#71

Anthracene

Concen: 2.918 ng

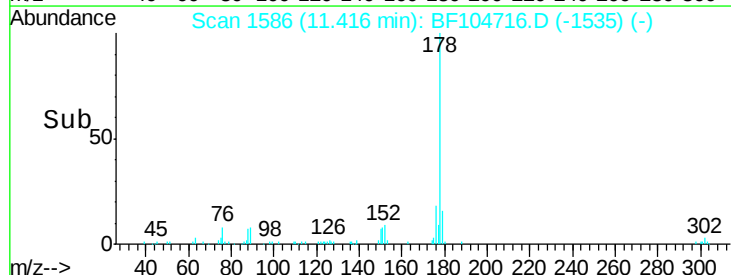
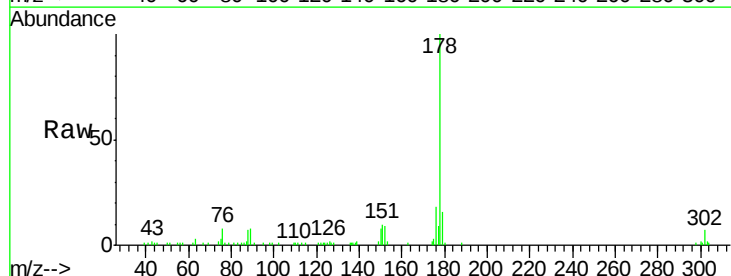
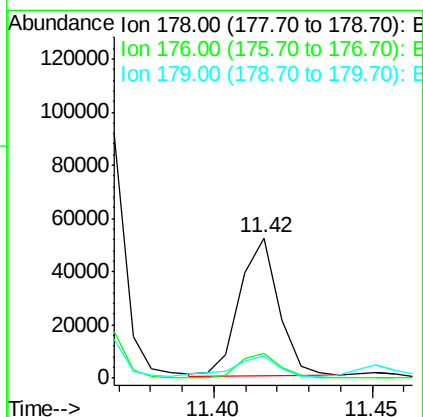
RT: 11.42 min Scan# 1586

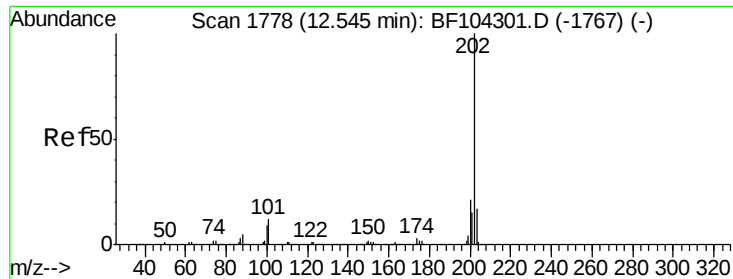
Delta R.T. -0.00 min

Lab File: BF104716.D

Acq: 23 Apr 2018 18:14

Tgt Ion:178	Resp:	43977
Ion Ratio	Lower	Upper
178	100	
176	17.8	15.4 23.2
179	15.5	12.6 19.0





#74

Fluoranthene

Concen: 19.163 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF104716.D

Acq: 23 Apr 2018 18:14

Instrument :

BNA_F

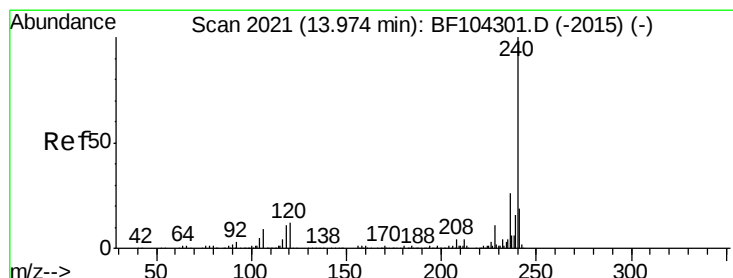
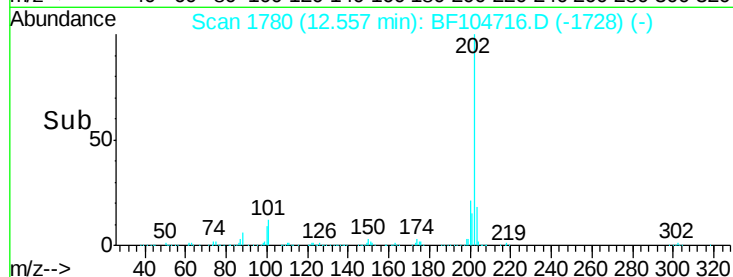
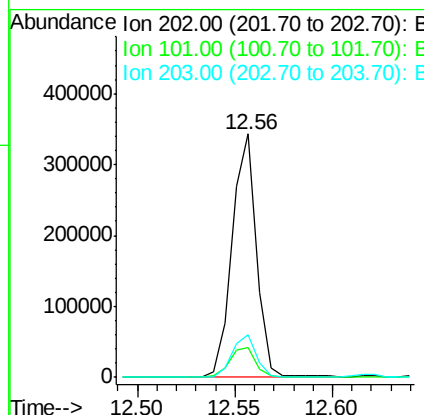
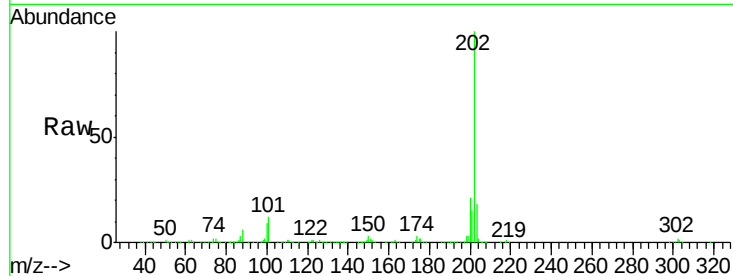
ClientSampleId :

NORTHLAWN-PRECHAR-AREA-2

Tot Ion:	202	Resp:	296882
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

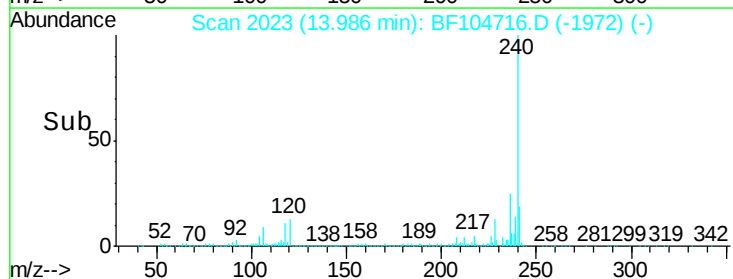
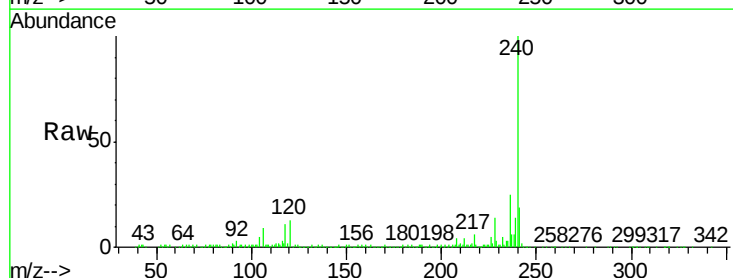
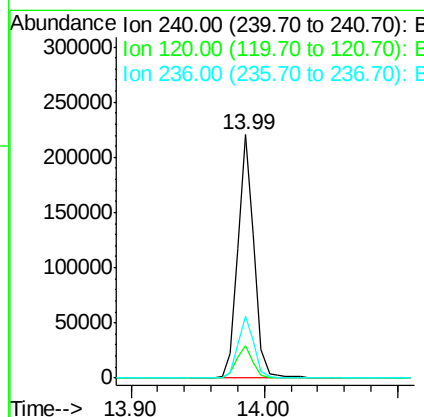
RT: 13.99 min Scan# 2023

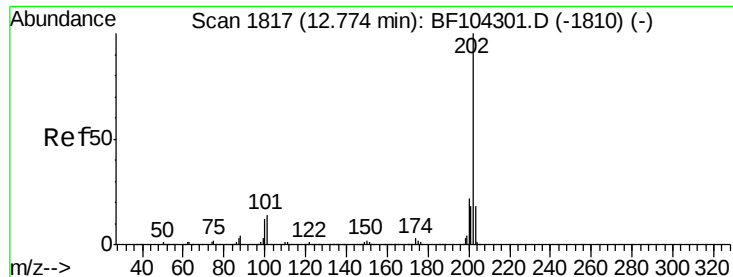
Delta R.T. -0.00 min

Lab File: BF104716.D

Acq: 23 Apr 2018 18:14

Tgt Ion:	240	Resp:	187742
Ion Ratio	Lower	Upper	
240	100		
120	13.4	9.5	14.3
236	25.4	20.7	31.1





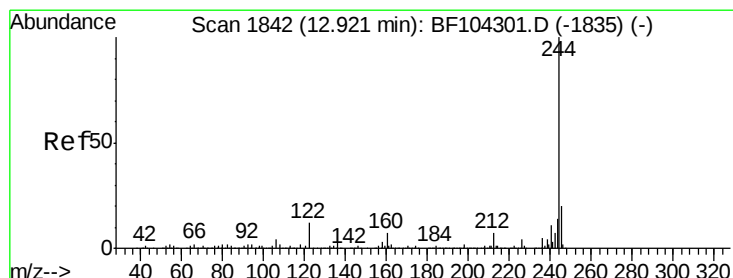
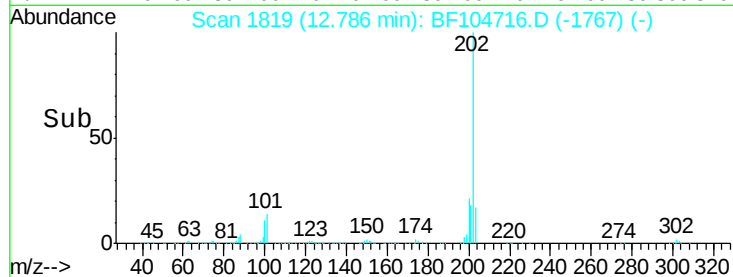
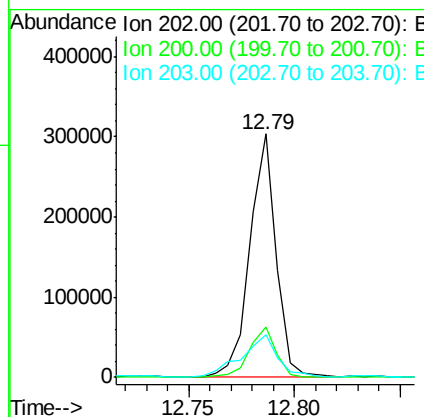
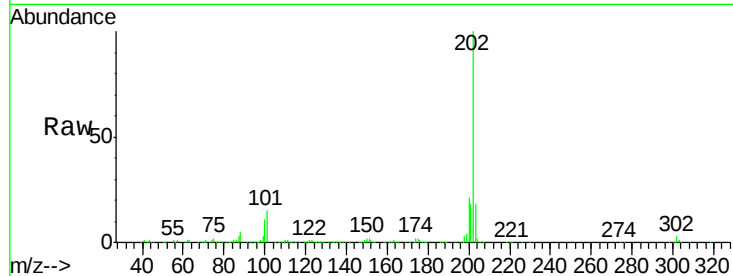
#77
Pvrene
Concen: 18.838 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BF104716.D
Acq: 23 Apr 2018 18:14

Instrument :
BNA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.6	14.3	21.5

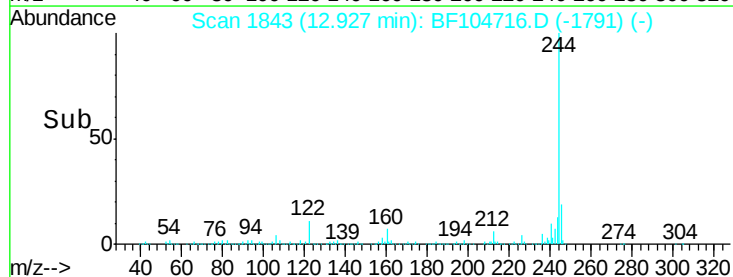
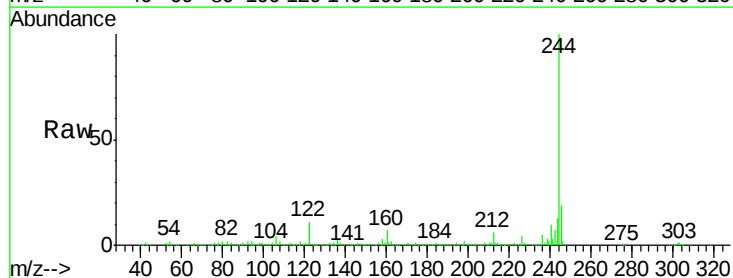
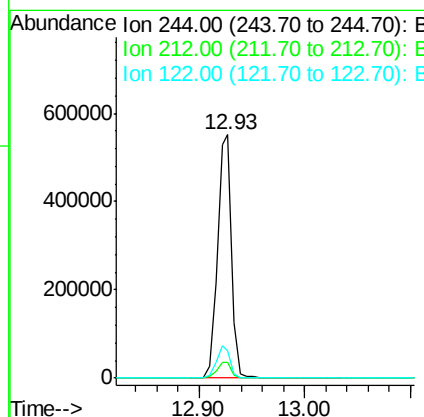
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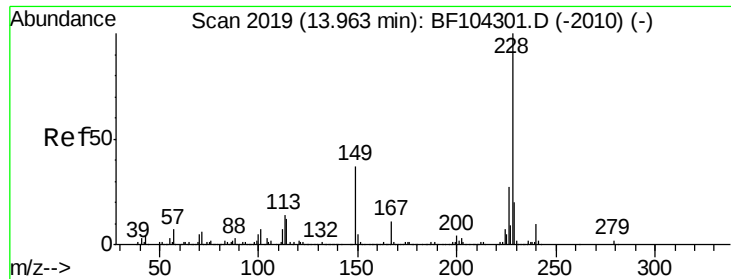
Sohil
4/24/2018 3:48:53 PM



#78
Terphenyl-d14
Concen: 63.407 ng
RT: 12.93 min Scan# 1843
Delta R.T. 0.01 min
Lab File: BF104716.D
Acq: 23 Apr 2018 18:14

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.1	11.0	16.4





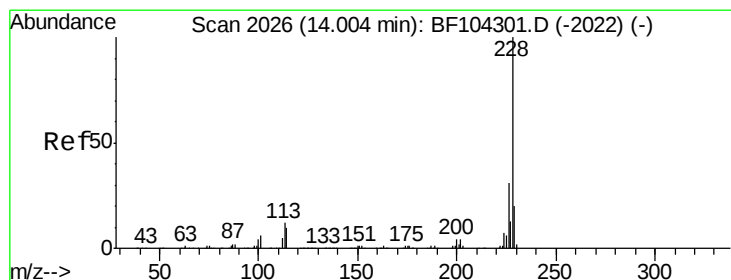
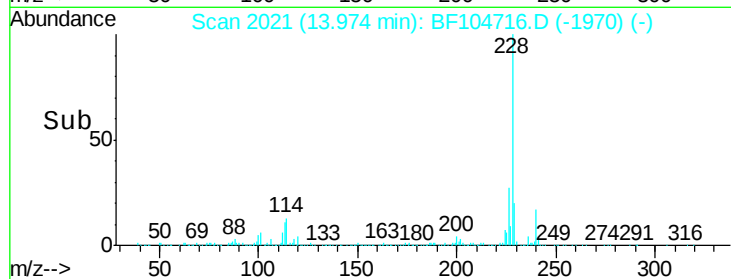
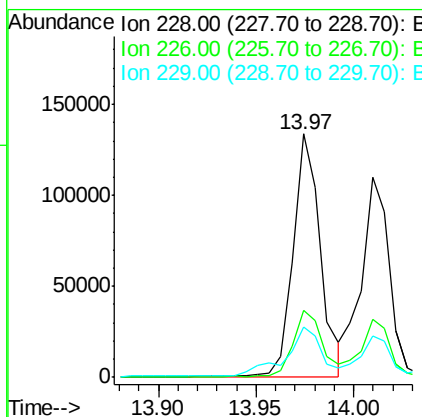
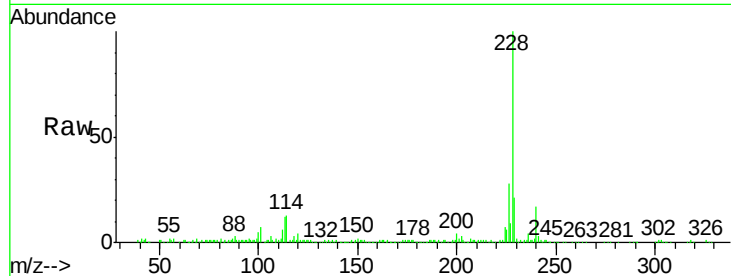
#80
Benzo(a)anthracene
Concen: 11.493 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF104716.D
Acq: 23 Apr 2018 18:14

Instrument :
BNA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.6	15.8	23.6

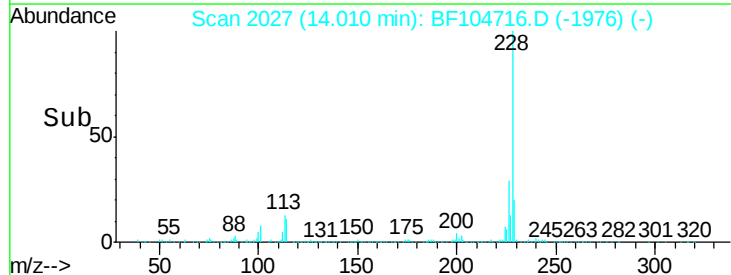
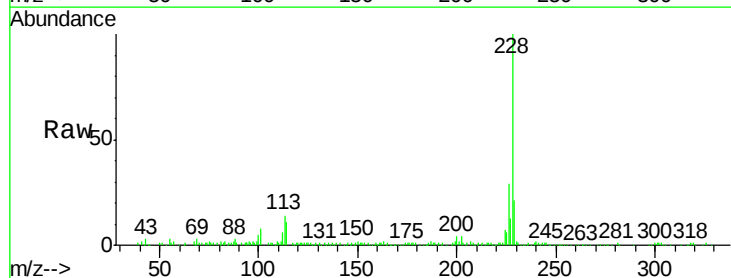
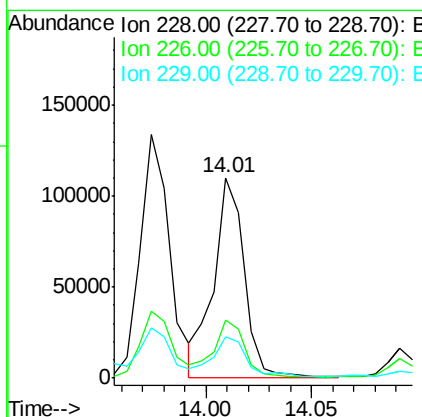
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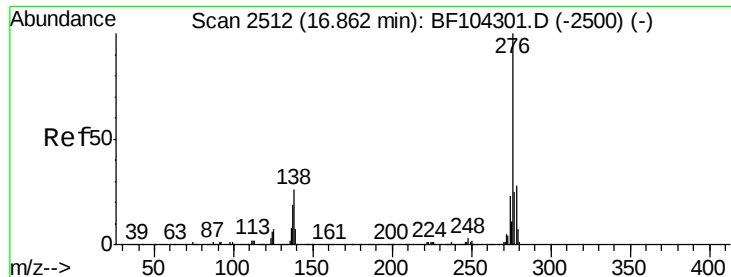
Sohil
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#82
Chrysene
Concen: 9.537 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF104716.D
Acq: 23 Apr 2018 18:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.0	37.6
229	20.9	16.2	24.4





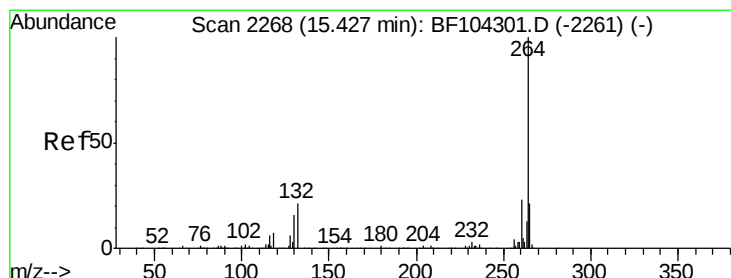
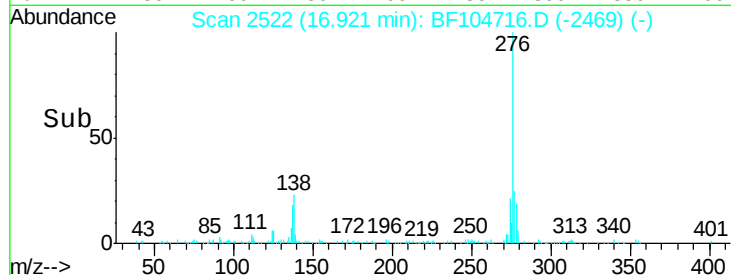
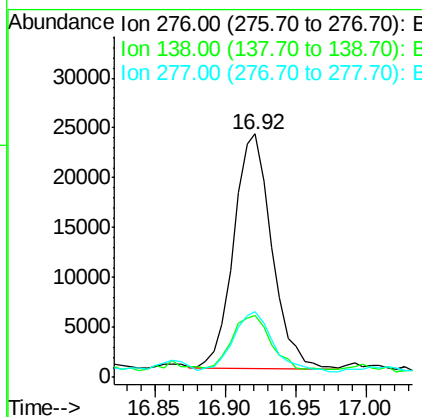
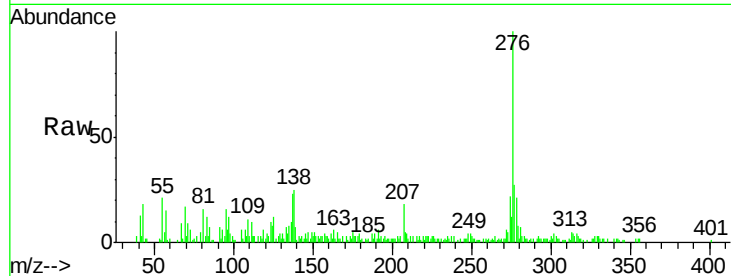
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.506 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. 0.01 min
 Lab File: BF104716.D
 Acq: 23 Apr 2018 18:14

Instrument :
 BNA_F
 ClientSampleId :
 NORTHLAWN-PRECHAR-AREA-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.1	25.0	37.6
277	27.3	20.1	30.1

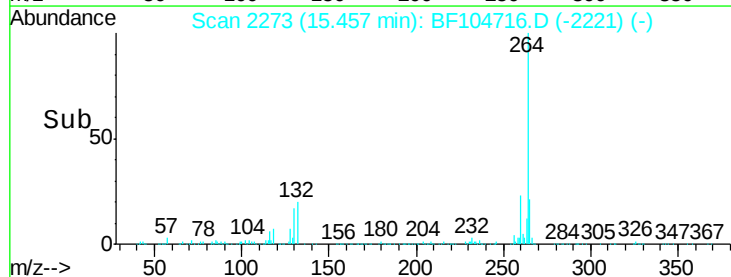
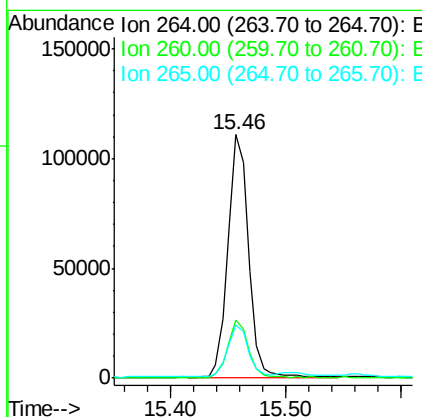
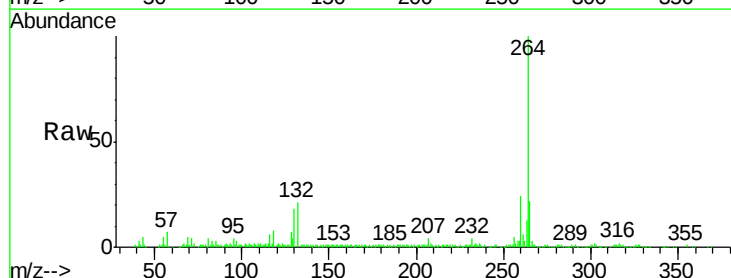
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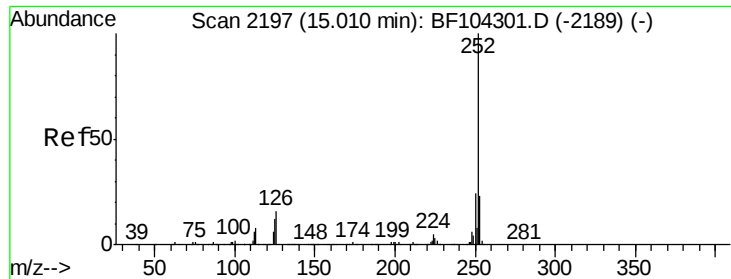
Sohil
 4/24/2018 3:48:53 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.01 min
 Lab File: BF104716.D
 Acq: 23 Apr 2018 18:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 13.750 ng m

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF104716.D

Acq: 23 Apr 2018 18:14

Instrument :

BNA_F

ClientSampleId :

NORTHLAWN-PRECHAR-AREA-2

Tot Ion:252 Resp: 118390
Ion Ratio Lower Upper

252 100

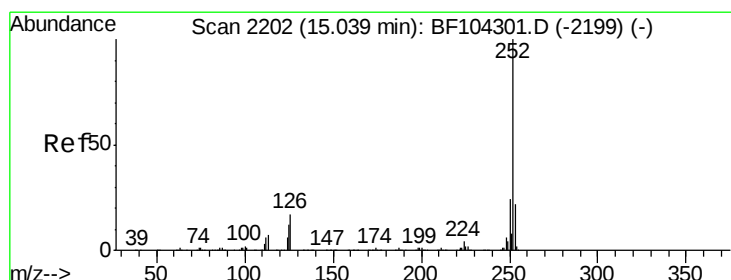
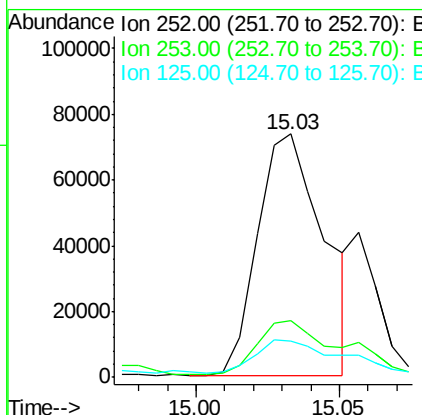
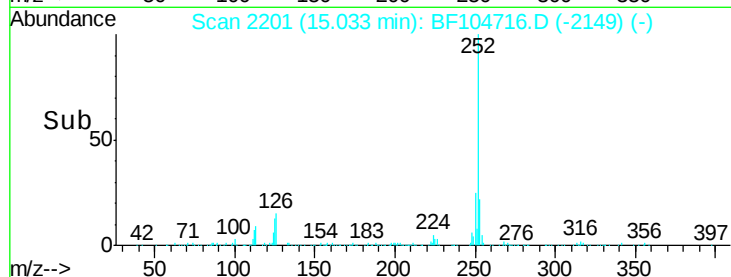
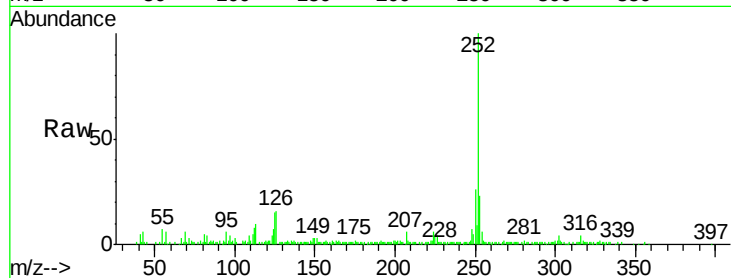
253 23.2 17.0 25.6

125 15.0 9.0 13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.802 ng m

RT: 15.06 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BF104716.D

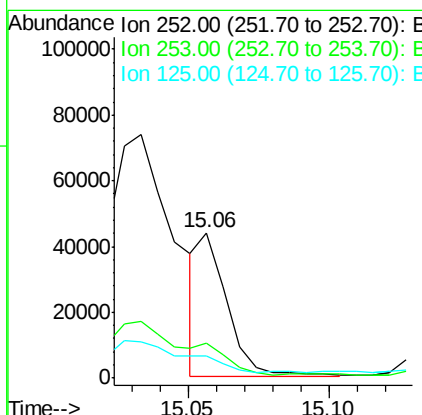
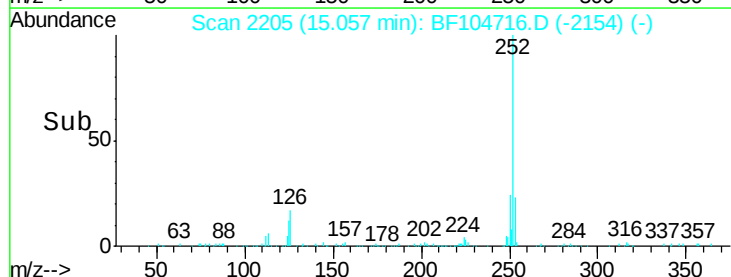
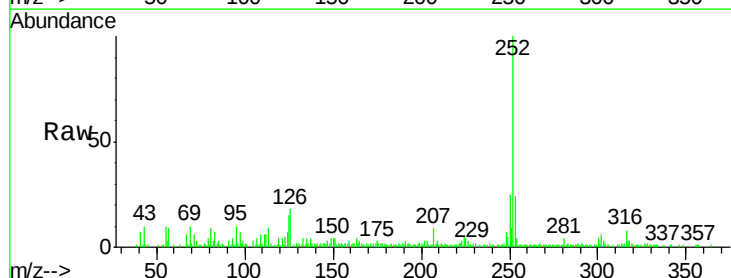
Acq: 23 Apr 2018 18:14

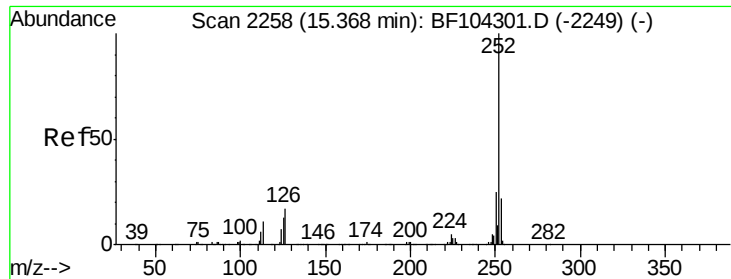
Tgt Ion:252 Resp: 30906
Ion Ratio Lower Upper

252 100

253 24.4 17.9 26.9

125 14.9 10.2 15.2





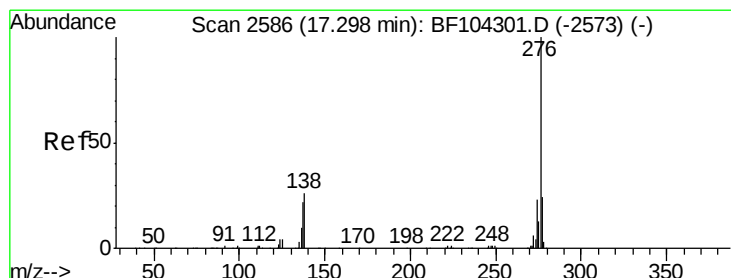
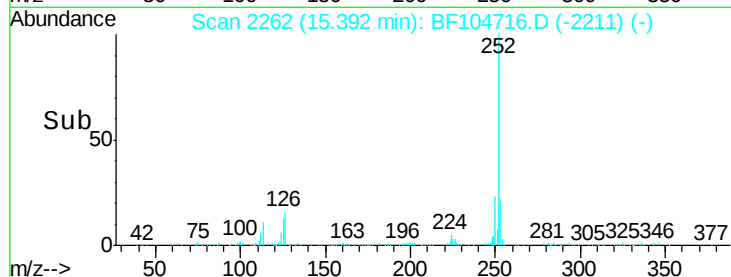
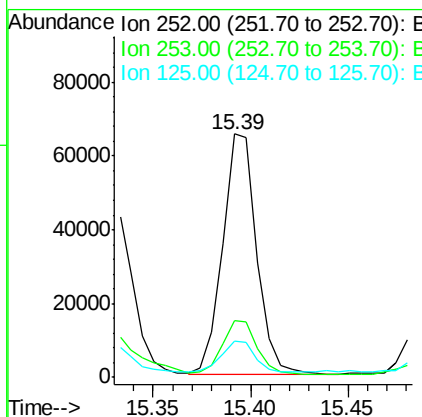
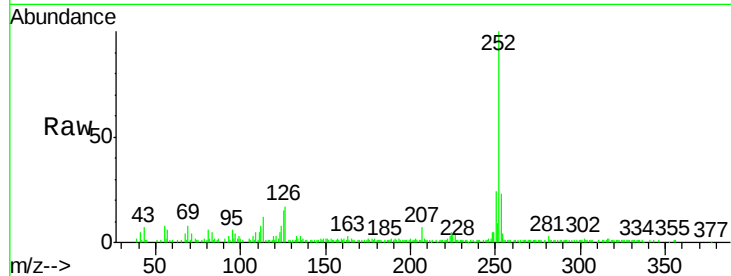
#89
Benzo(a)pyrene
Concen: 10.277 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF104716.D
Acq: 23 Apr 2018 18:14

Instrument :
BNA_F
ClientSampleId :
NORTHLAWN-PRECHAR-AREA-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	15.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.457 ng
RT: 17.36 min Scan# 2597
Delta R.T. 0.01 min
Lab File: BF104716.D
Acq: 23 Apr 2018 18:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	29.5	21.8	32.8

