

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104423.D
 Acq On : 10 Apr 2018 22:32
 Operator : JU/SJ
 Sample : J2270-05DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOUTHLAWN-PRECHAR-AREA-3DL

Manual Integrations
 APPROVED

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 4/11/2018 5:17:16 PM

Quant Time: Apr 11 01:40:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 12:04:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	118480	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	451895	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	169231	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	256038	20.00	ng	0.00
75) Chrysene-d12	13.98	240	253421	20.00	ng	0.00
86) Perylene-d12	15.44	264	186347	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	153295	19.78	ng	0.00
7) Phenol-d6	6.42	99	184558	19.39	ng	-0.02
23) Nitrobenzene-d5	7.36	82	102496	14.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	28551	16.26	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	149192	13.93	ng	0.00
78) Terphenyl-d14	12.92	244	111334	10.02	ng	0.00
Target Compounds						
70) Phenanthrene	11.36	178	117836	8.264	ng	98
71) Anthracene	11.41	178	31637	2.183	ng	97
74) Fluoranthene	12.54	202	277884	18.653	ng	99
77) Pyrene	12.77	202	252341	13.434	ng	98
80) Benzo(a)anthracene	13.97	228	131152	8.663	ng	97
82) Chrysene	14.00	228	127925	8.226	ng	97
83) Bis(2-ethylhexyl)phthalate	13.96	149	574814	50.498	ng	99
85) Indeno(1,2,3-cd)pyrene	16.88	276	39804	3.013	ng	95
87) Benzo(b)fluoranthene	15.02	252	124784m	10.602	ng	
88) Benzo(k)fluoranthene	15.04	252	43705m	3.933	ng	
89) Benzo(a)pyrene	15.38	252	79572	7.556	ng	98
91) Benzo(a,h,i)perylene	17.32	276	39943	4.767	ng	95

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

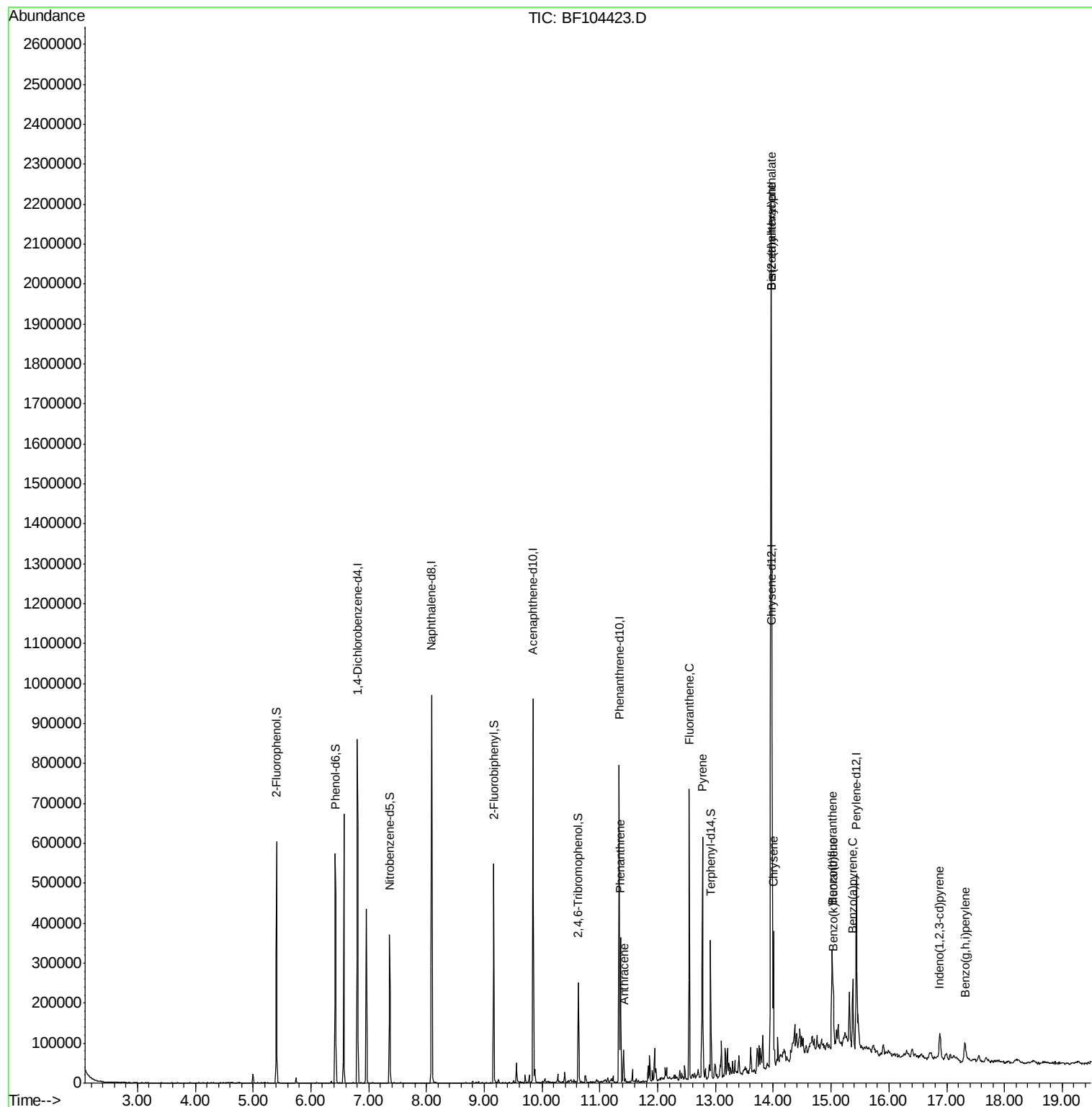
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
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ALS Vial : 28 Sample Multiplier: 1

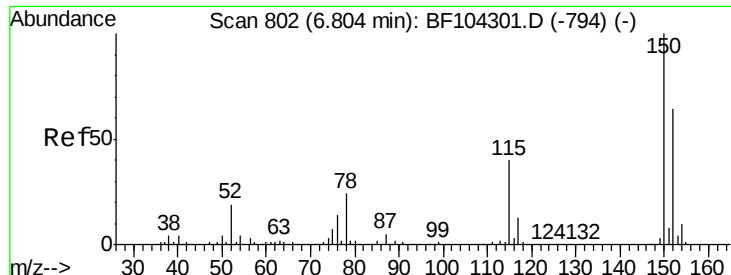
Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-3DL

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
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#1

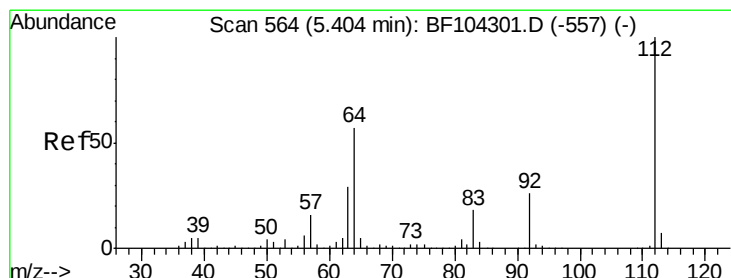
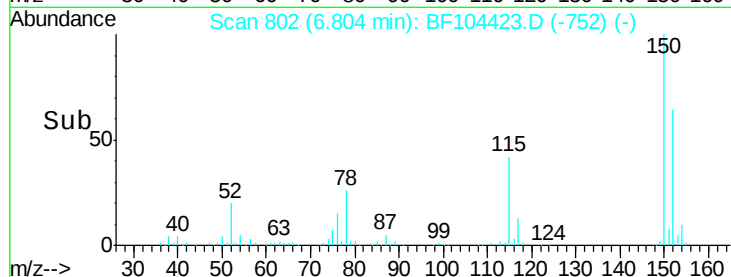
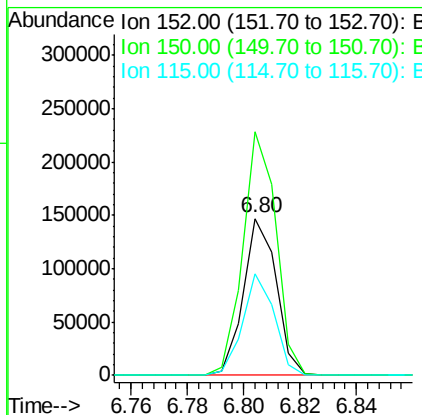
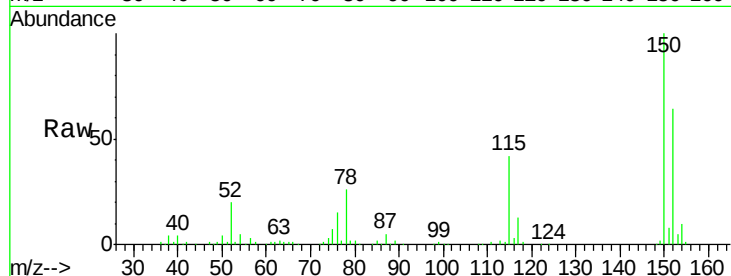
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-3DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	64.6	50.1	75.1

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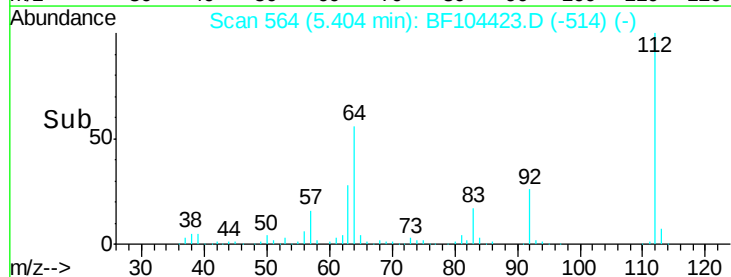
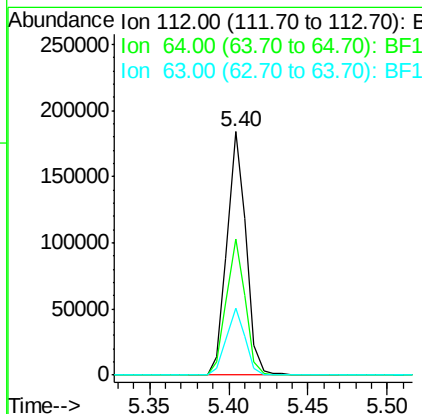
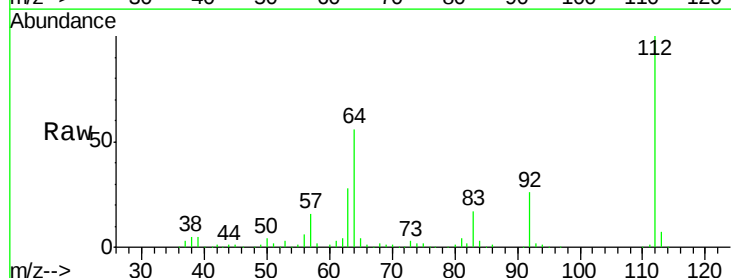
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#5

2-Fluorophenol
Concen: 19.784 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.9	71.9
63	27.7	23.7	35.5





#7

Phenol-d6

Concen: 19.385 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF104423.D

Acq: 10 Apr 2018 22:32

Instrument :

BNA_F

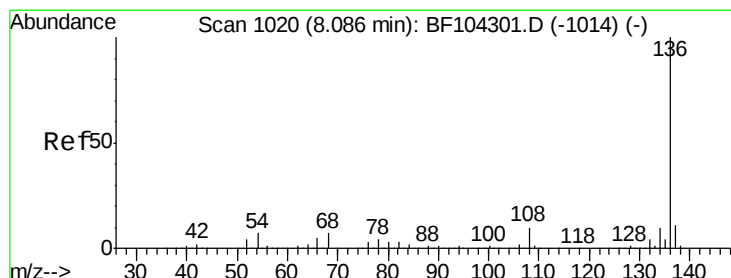
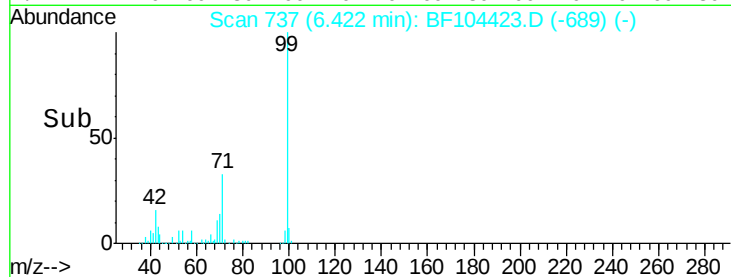
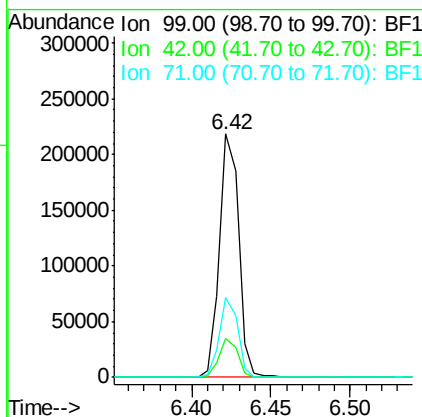
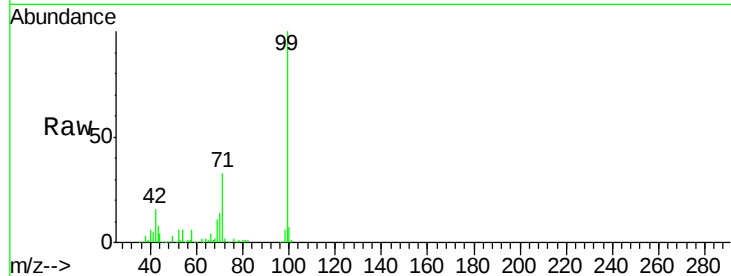
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-3DL

Tot Ion:	99	Resp:	184558
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.5	21.7
71	33.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

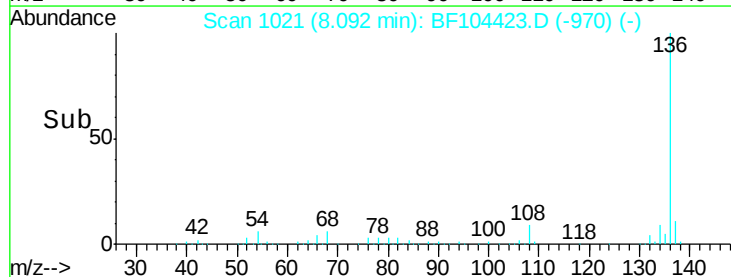
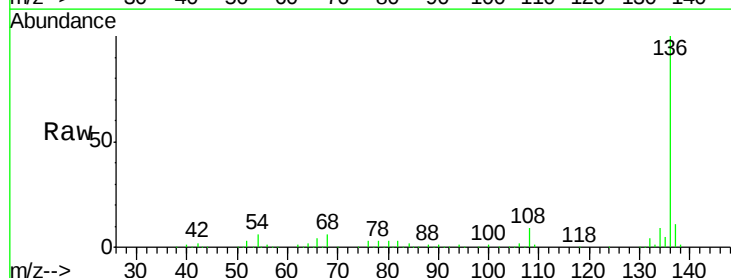
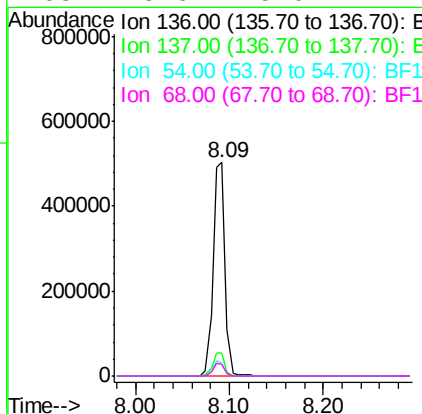
RT: 8.09 min Scan# 1021

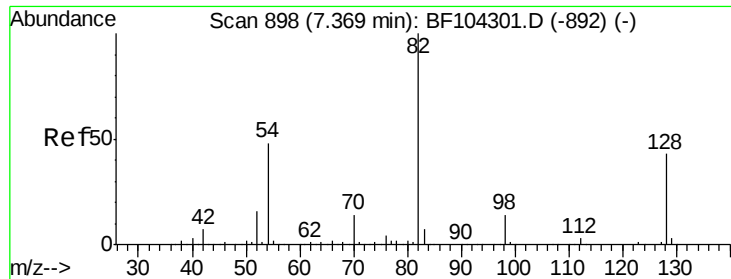
Delta R.T. -0.00 min

Lab File: BF104423.D

Acq: 10 Apr 2018 22:32

Tgt Ion:	136	Resp:	451895
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	6.0	6.6	9.8#
68	5.6	5.0	7.4





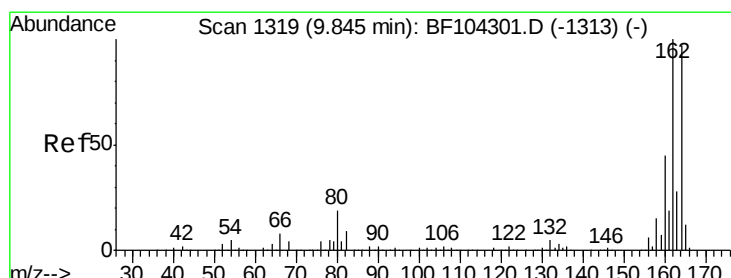
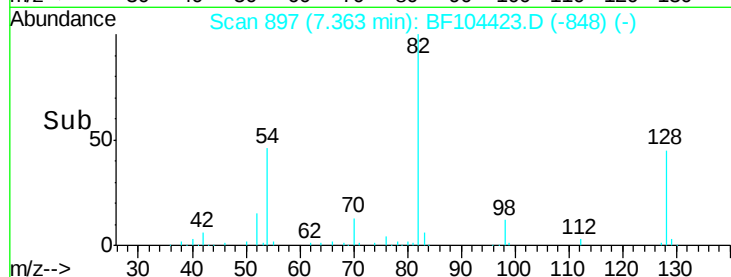
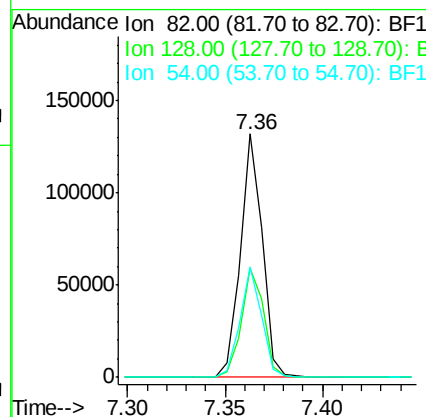
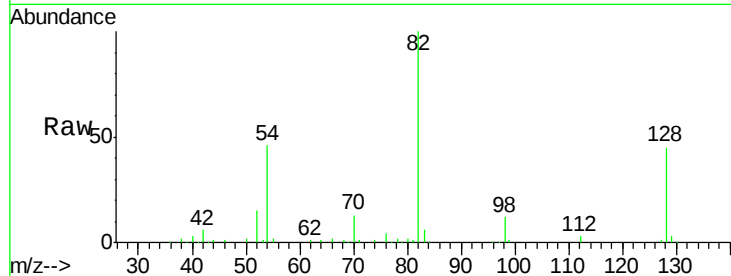
#23
Nitrobenzene-d5
Concen: 14.810 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-3DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	102496		
128	44.7	36.1	54.1	
54	45.5	41.4	62.2	

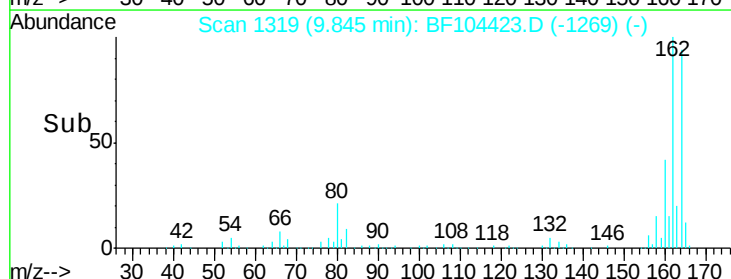
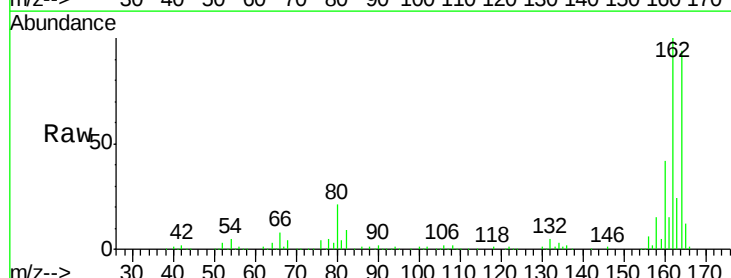
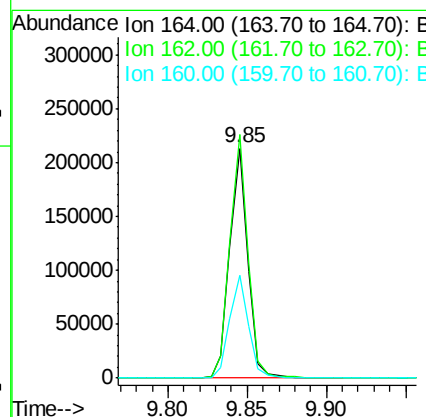
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	169231		
162	106.0	86.1	129.1	
160	44.6	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 16.264 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104423.D

Acq: 10 Apr 2018 22:32

Instrument :

BNA_F

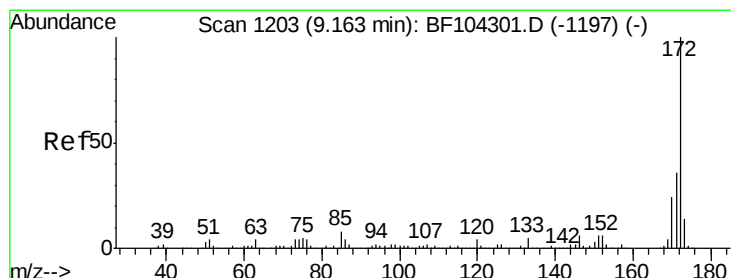
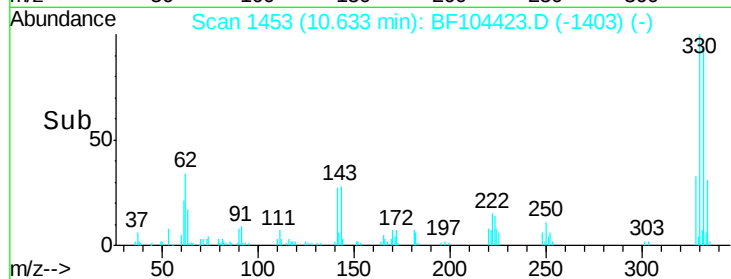
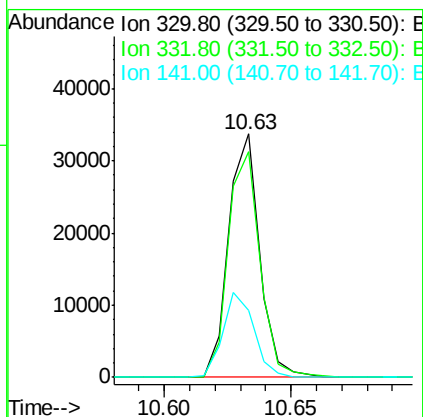
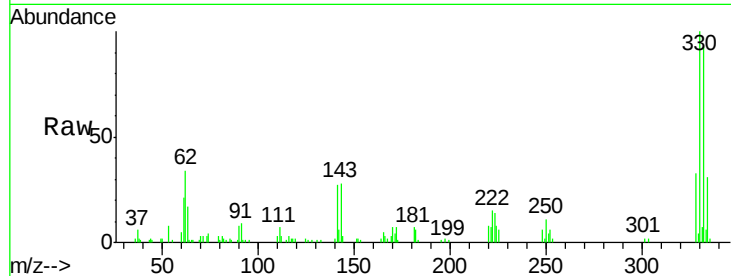
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-3DL

Tot Ion:	330	Resp:	28551
Ion Ratio	Lower	Upper	
330	100		
332	94.9	77.0	115.6
141	35.0	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 13.927 ng

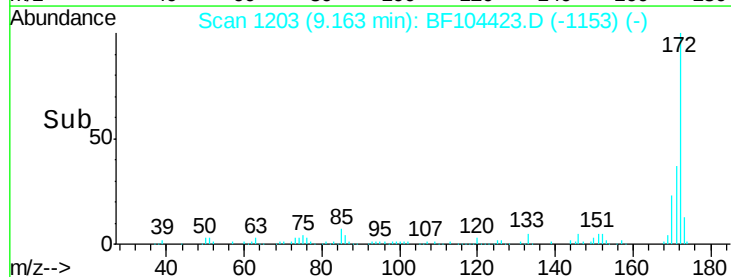
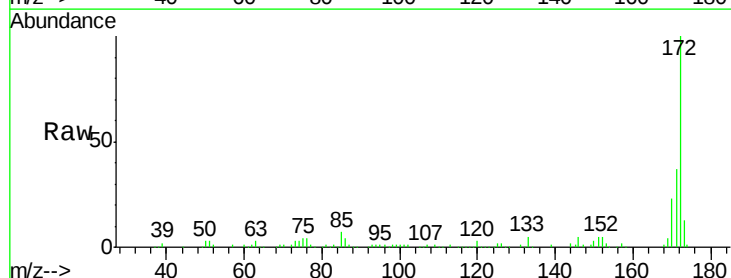
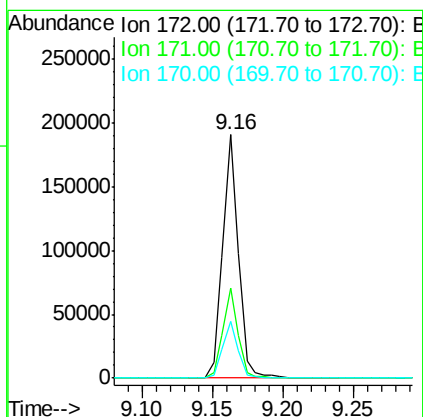
RT: 9.16 min Scan# 1203

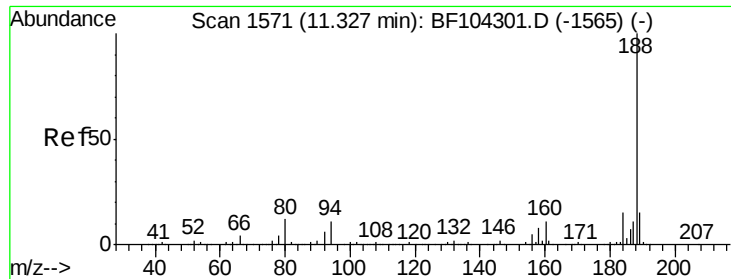
Delta R.T. -0.01 min

Lab File: BF104423.D

Acq: 10 Apr 2018 22:32

Tgt Ion:	172	Resp:	149192
Ion Ratio	Lower	Upper	
172	100		
171	37.0	29.7	44.5
170	23.5	19.6	29.4





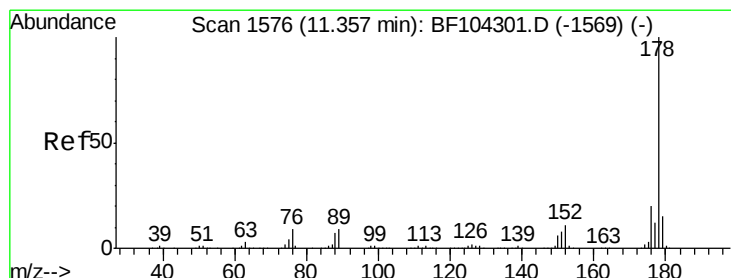
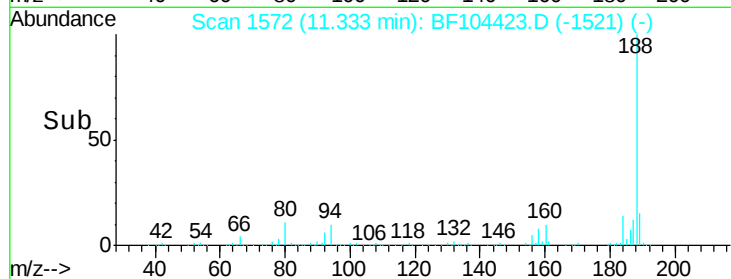
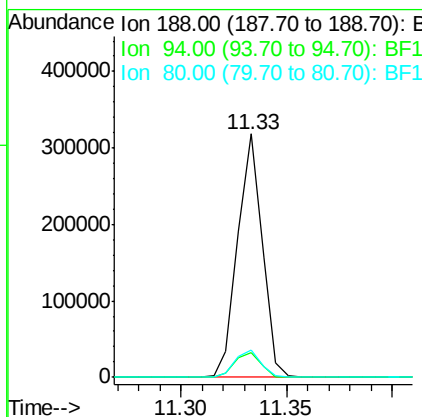
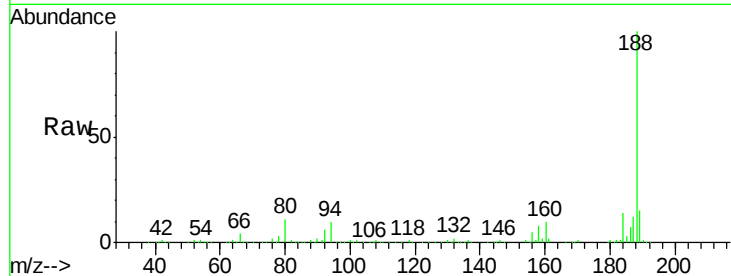
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-3DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	8.5	12.7
80	11.2	9.2	13.8

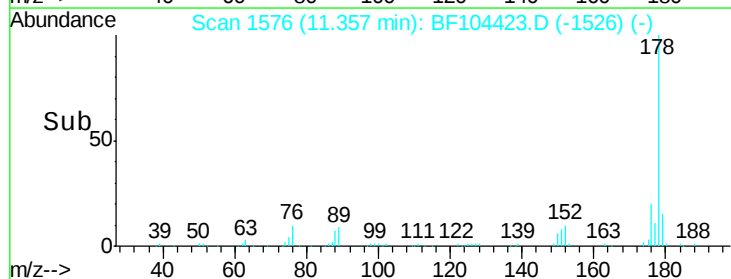
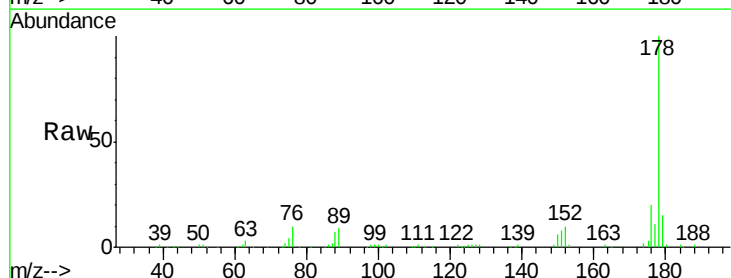
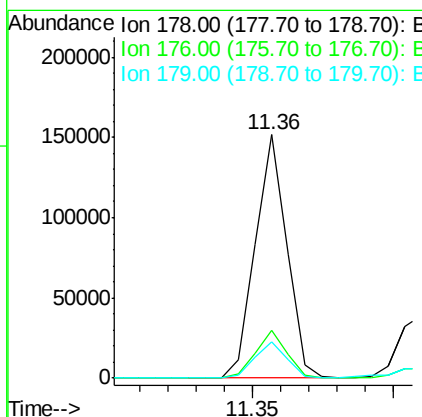
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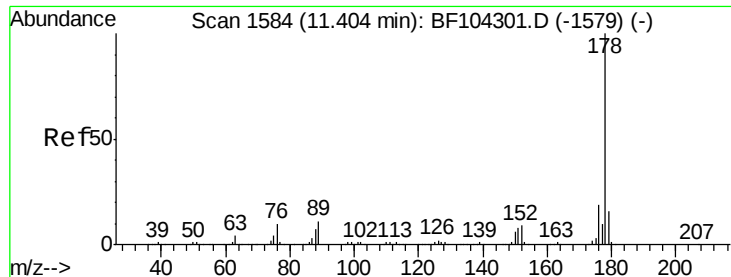
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#70
Phenanthrene
Concen: 8.264 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.8	23.8
179	14.9	13.0	19.6





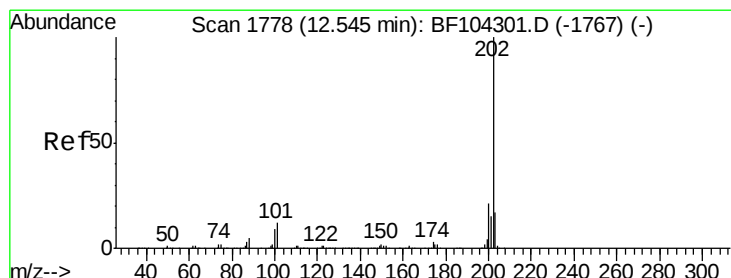
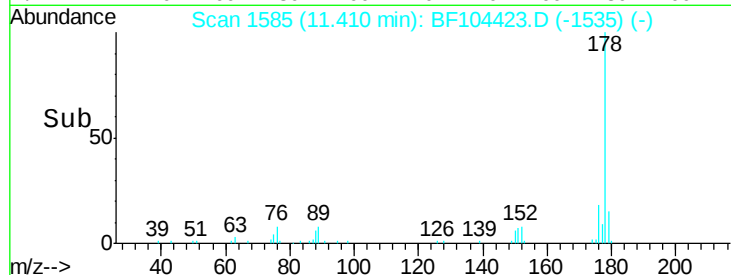
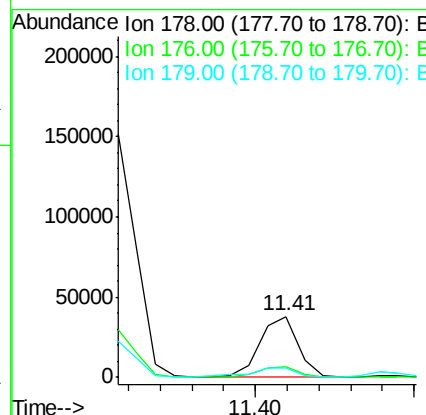
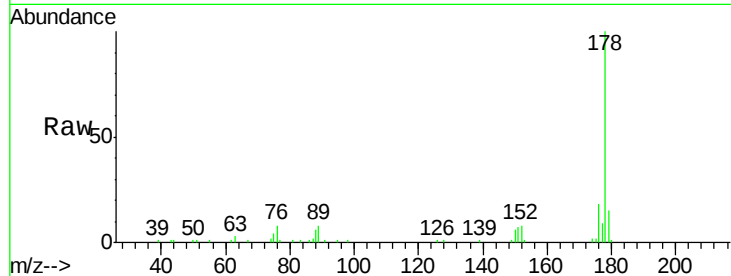
#71
 Anthracene
 Concen: 2.183 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF104423.D
 Acq: 10 Apr 2018 22:32

Instrument :
 BNA_F
 ClientSampleId :
 SOUTHLAWN-PRECHAR-AREA-3DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		31637		
176	17.9	15.4	23.2		
179	15.1	12.6	19.0		

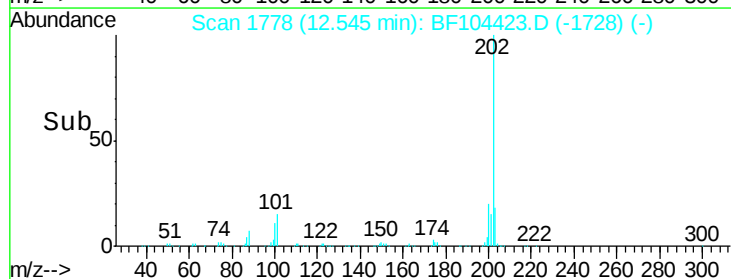
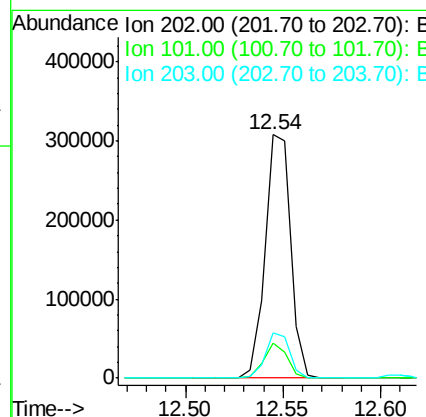
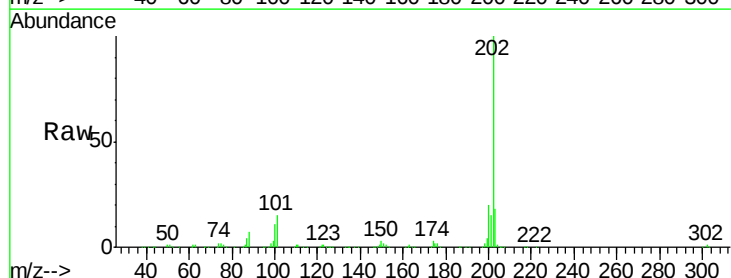
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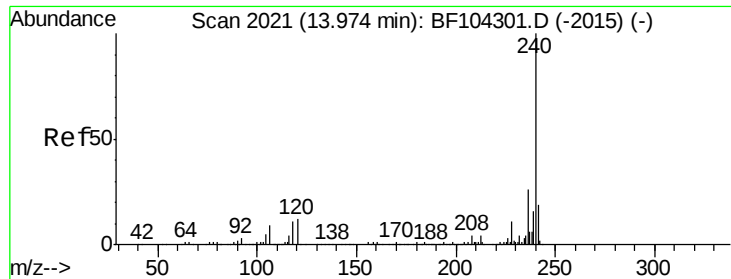
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#74
 Fluoranthene
 Concen: 18.653 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF104423.D
 Acq: 10 Apr 2018 22:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		277884		
101	14.6	0.0	34.1		
203	18.3	0.0	38.1		





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104423.D

Acq: 10 Apr 2018 22:32

Instrument :

BNA_F

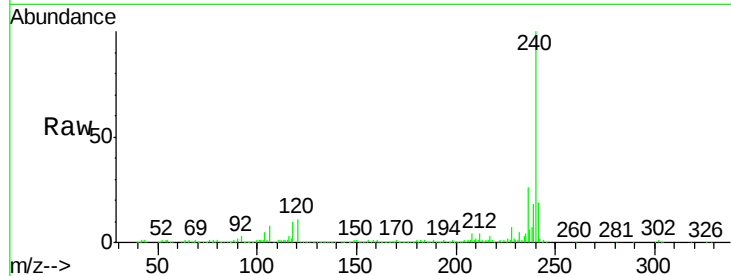
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-3DL

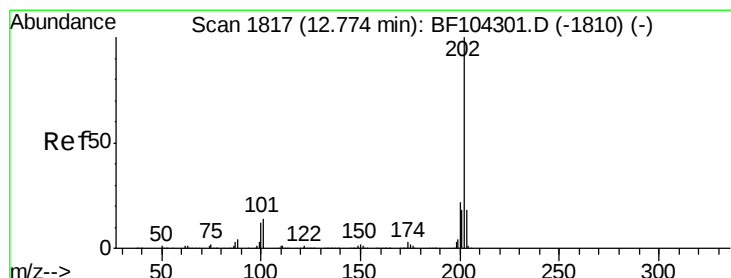
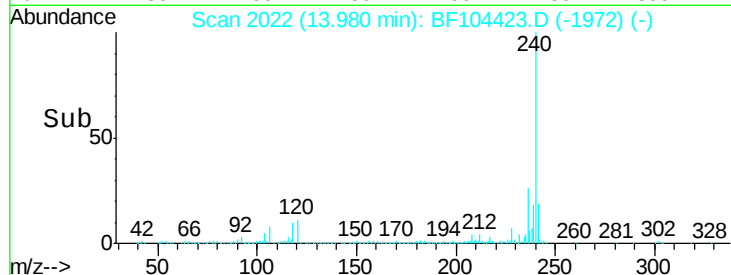
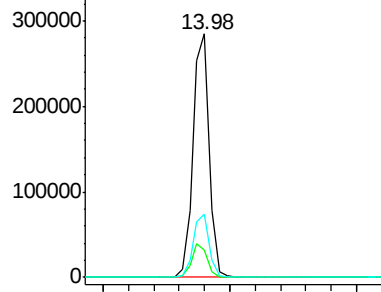
Tot Ion:	240	Resp:	253421
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.5	14.3
236	25.8	20.7	31.1

Manual Integrations
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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: 13.434 ng

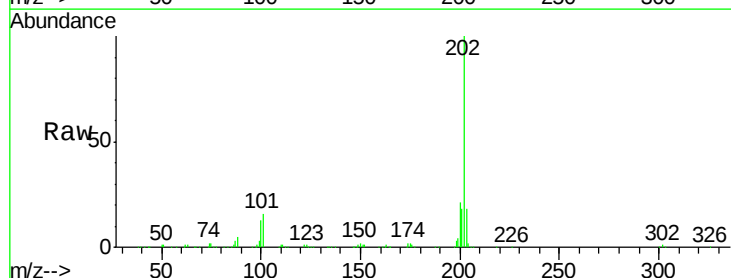
RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

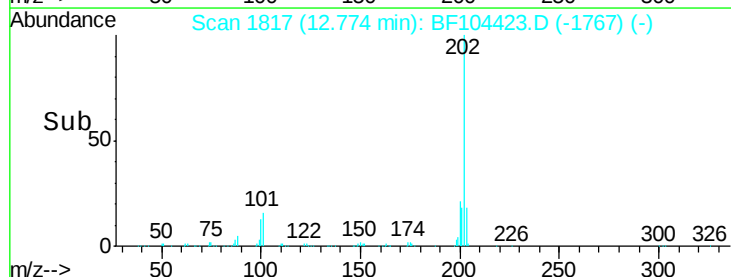
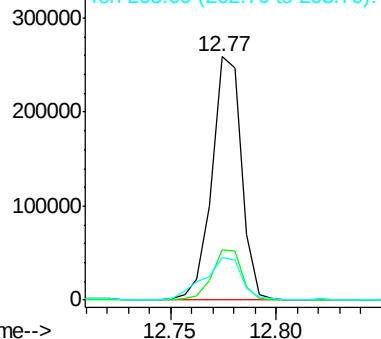
Lab File: BF104423.D

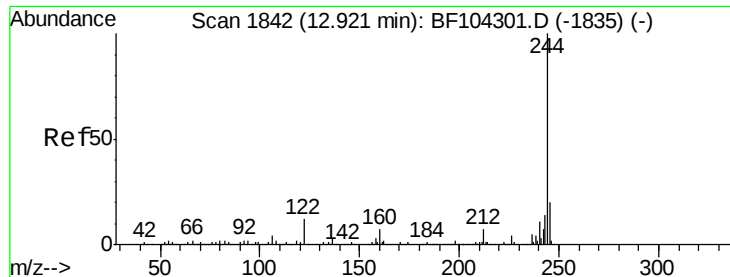
Acq: 10 Apr 2018 22:32

Tgt Ion:	202	Resp:	252341
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	17.8	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: 10.016 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF104423.D

Acq: 10 Apr 2018 22:32

Instrument :

BNA_F

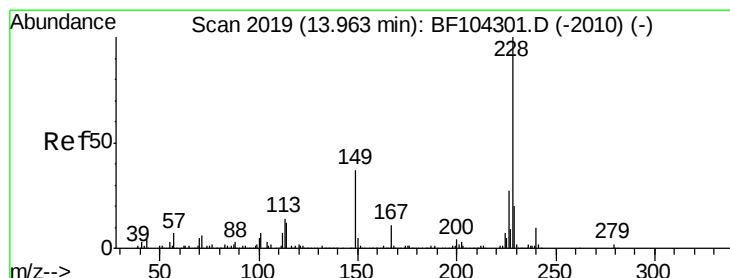
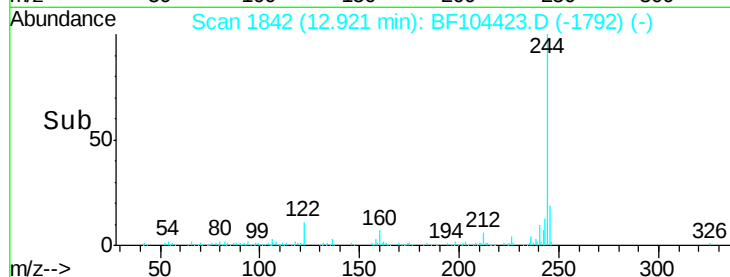
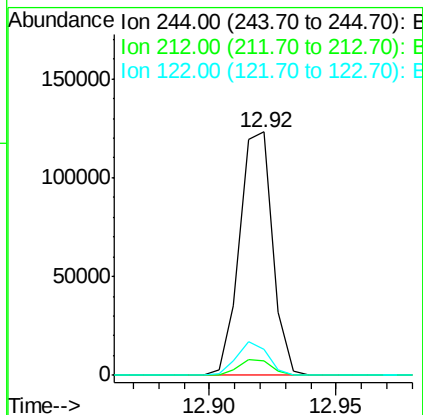
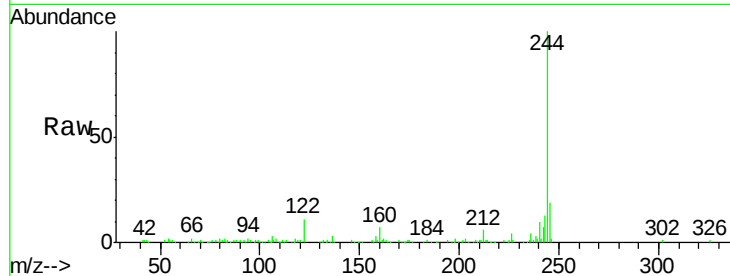
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-3DL

Tot Ion:	244	Resp:	111334
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.4	8.0
122	10.8	11.0	16.4#

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#80

Benzo(a)anthracene

Concen: 8.663 ng

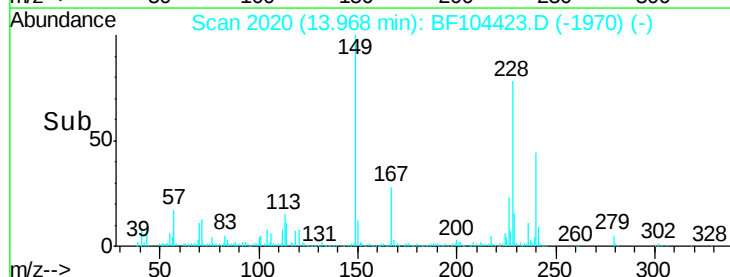
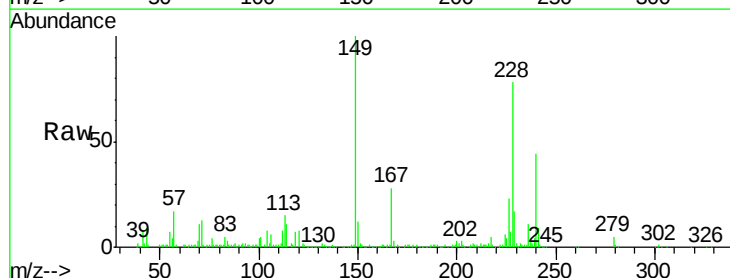
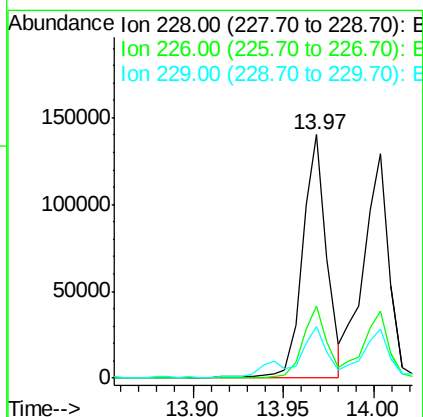
RT: 13.97 min Scan# 2020

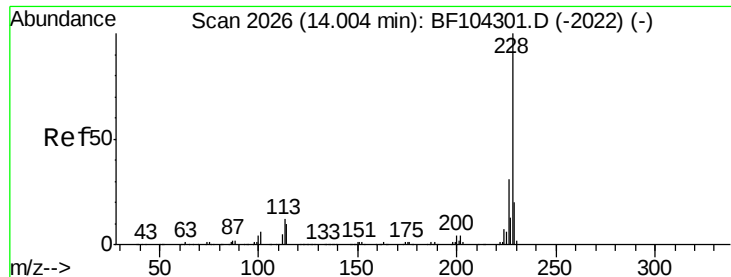
Delta R.T. -0.01 min

Lab File: BF104423.D

Acq: 10 Apr 2018 22:32

Tgt Ion:	228	Resp:	131152
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.6	33.8
229	21.4	15.8	23.6





#82

Chrysene

Concen: 8.226 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF104423.D

Acq: 10 Apr 2018 22:32

Instrument :

BNA_F

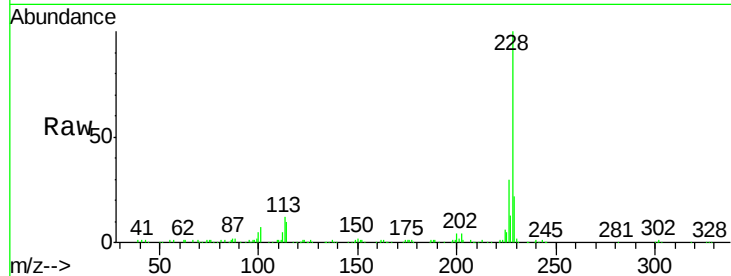
ClientSampleId :

SOUTHLAWN-PRECHAR-AREA-3DL

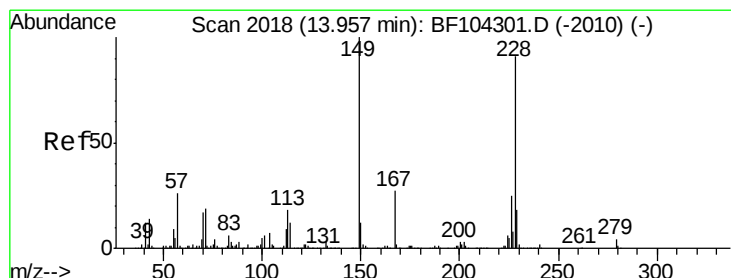
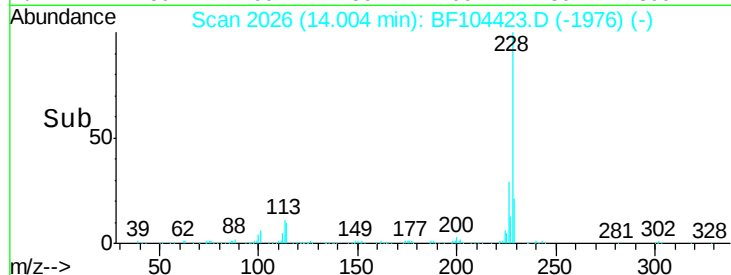
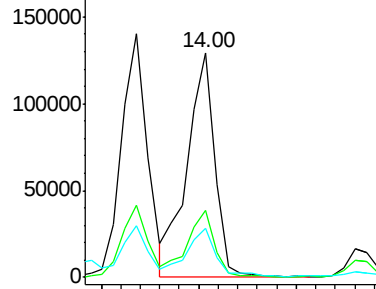
Tot Ion:	228	Resp:	127925
Ion Ratio		Lower	Upper
228	100		
226	29.6	25.0	37.6
229	21.7	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 50.498 ng

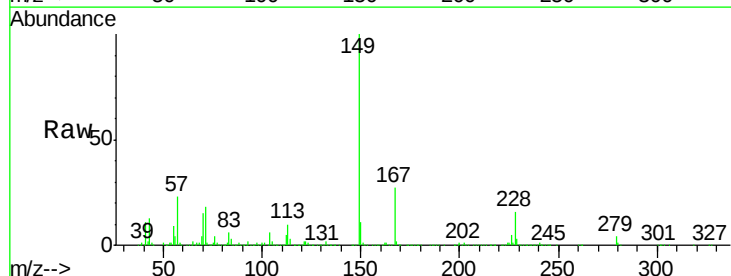
RT: 13.96 min Scan# 2019

Delta R.T. -0.00 min

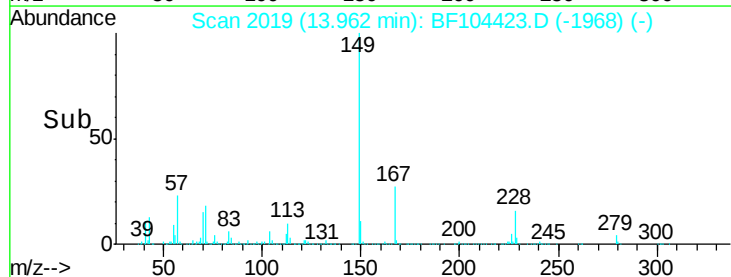
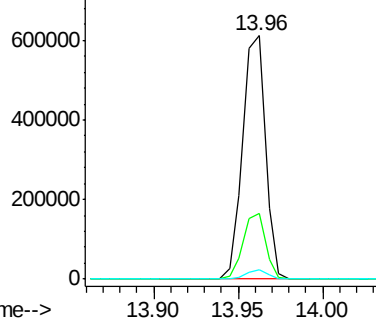
Lab File: BF104423.D

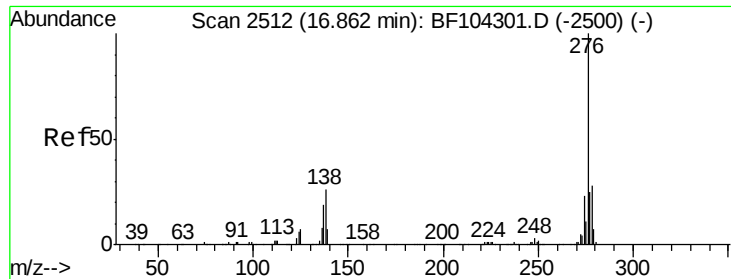
Acq: 10 Apr 2018 22:32

Tgt Ion:	149	Resp:	574814
Ion Ratio		Lower	Upper
149	100		
167	26.9	21.3	31.9
279	3.7	3.0	4.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





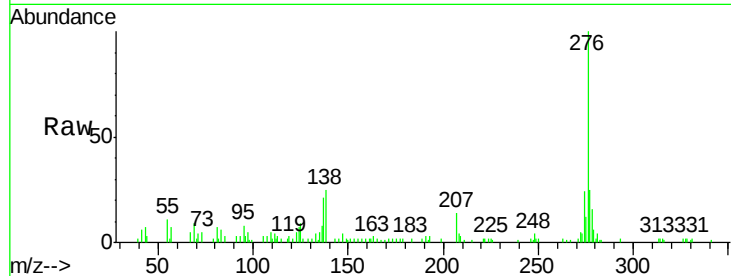
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.013 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-3DL

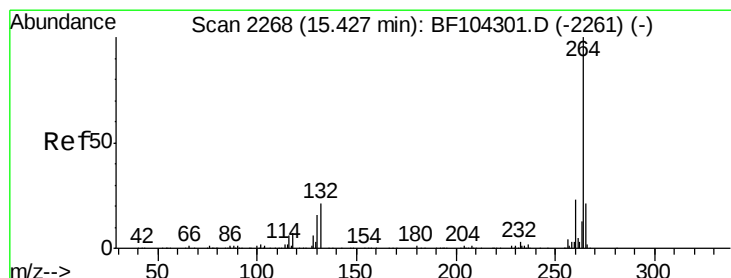
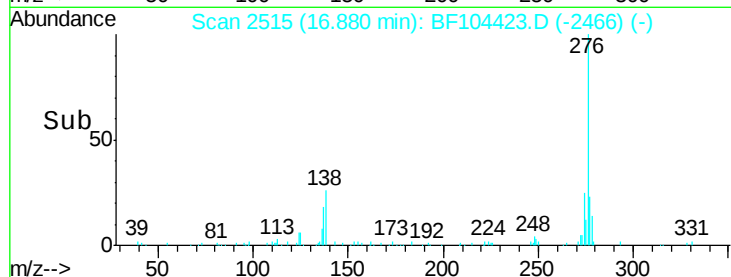
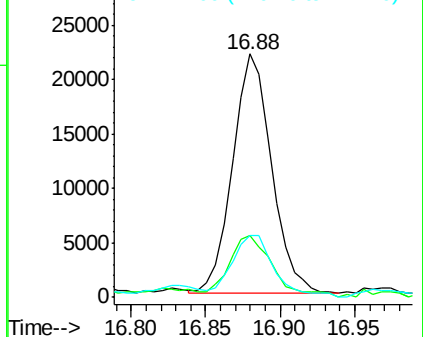
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.9	25.0	37.6
277	28.3	20.1	30.1

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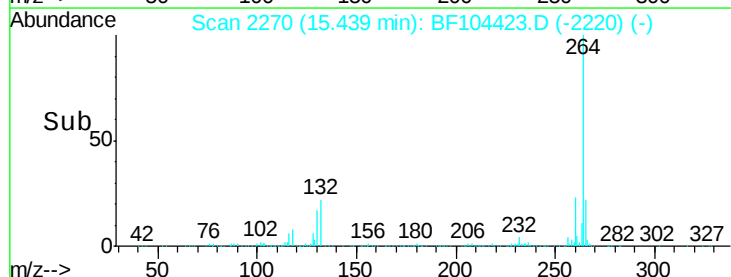
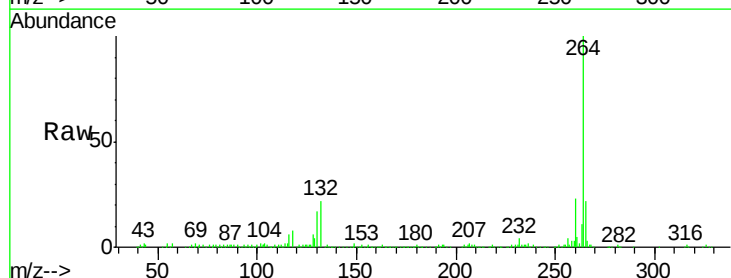
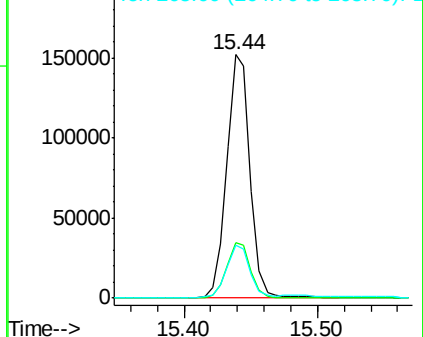
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

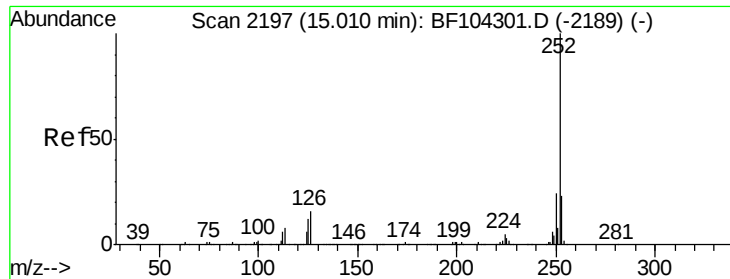


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	21.9	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





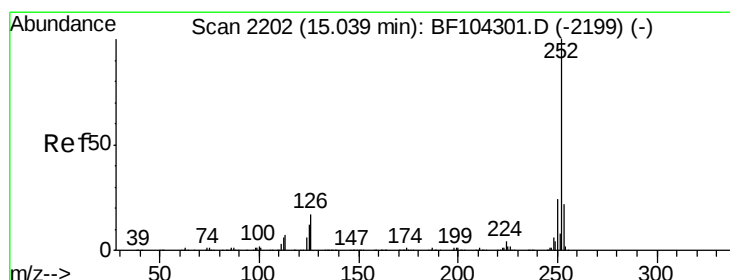
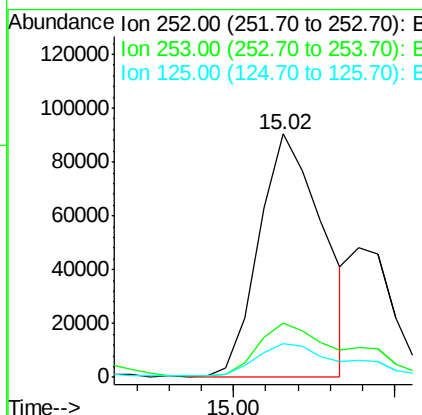
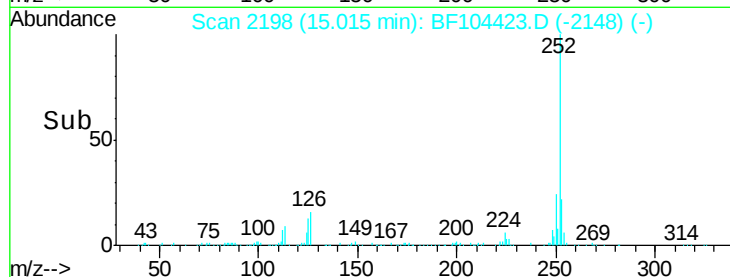
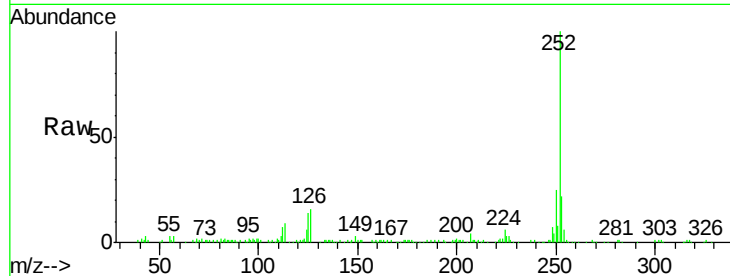
#87
Benzo(b)fluoranthene
Concen: 10.602 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	13.8	9.0	13.6

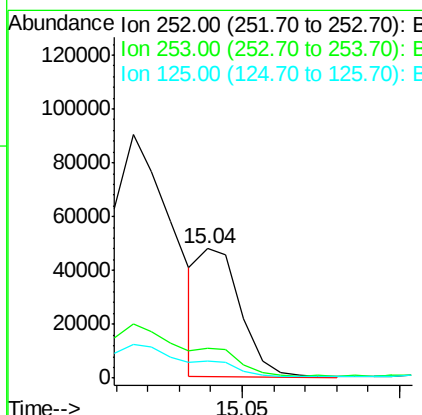
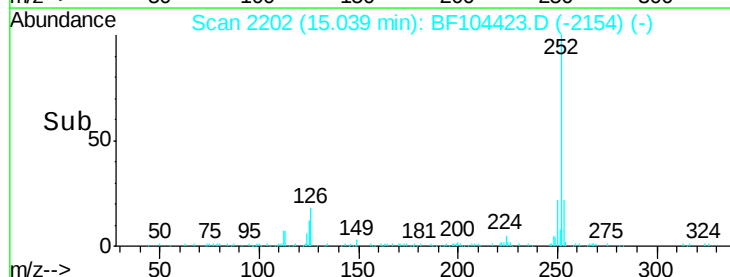
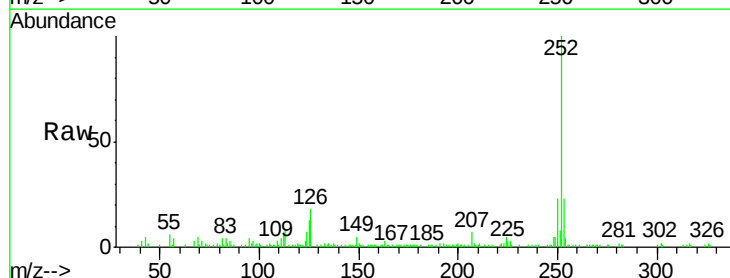
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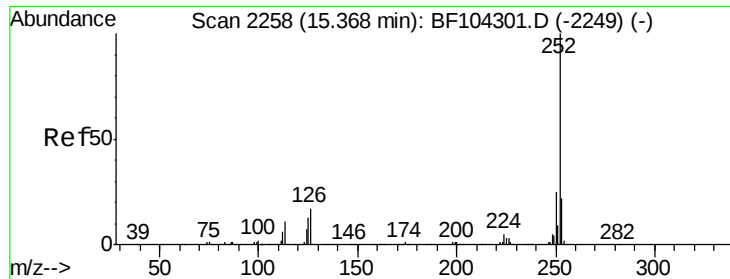
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#88
Benzo(k)fluoranthene
Concen: 3.933 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	13.2	10.2	15.2





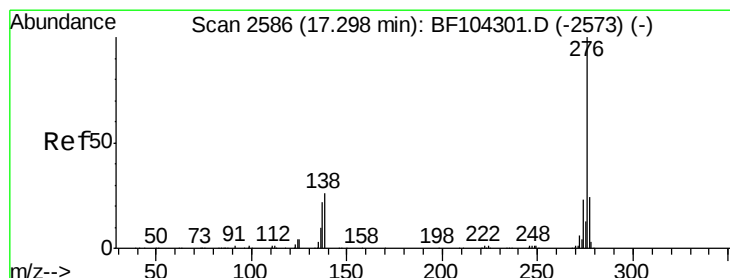
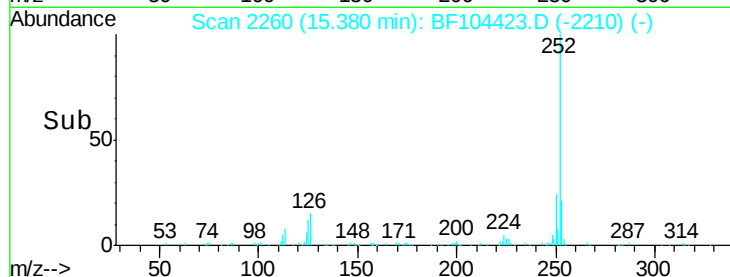
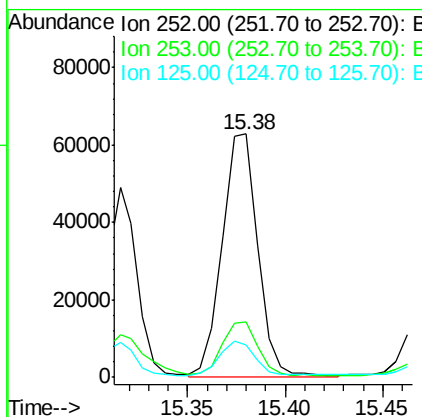
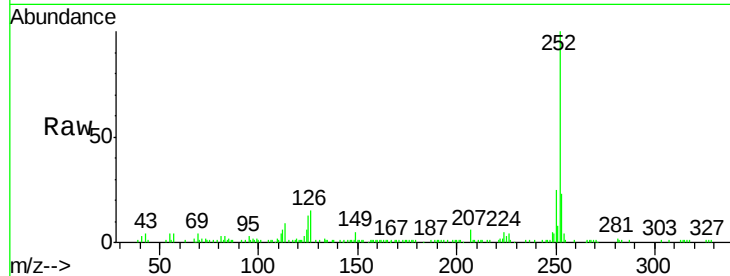
#89
Benzo(a)pyrene
Concen: 7.556 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Instrument :
BNA_F
ClientSampleId :
SOUTHLAWN-PRECHAR-AREA-3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	13.1	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 4.767 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.02 min
Lab File: BF104423.D
Acq: 10 Apr 2018 22:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	23.9	21.8	32.8

