

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104643.D
 Acq On : 19 Apr 2018 22:04
 Operator : JU/SJ
 Sample : J2439-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CDMP-B3-15-17

Manual Integrations
 APPROVED

Sohil
 4/20/2018 3:05:36 PM

Quant Time: Apr 20 01:53:38 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 14:44:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	145462	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	575011	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	235445	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	345890	20.00	ng	0.00
75) Chrysene-d12	13.98	240	289005	20.00	ng	0.00
86) Perylene-d12	15.44	264	209716	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	835641	87.84	ng	0.00
7) Phenol-d6	6.45	99	997415	85.33	ng	0.00
23) Nitrobenzene-d5	7.37	82	616800	70.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	199435	81.66	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	885978	59.45	ng	0.00
78) Terphenyl-d14	12.92	244	609353	48.07	ng	0.00
Target Compounds						
10) Phenol	6.46	94	52616	4.243	ng	93
49) Dimethylphthalate	9.56	163	119834	6.454	ng	100
57) Fluorene	10.39	166	33721	2.223	ng	100
70) Phenanthrene	11.36	178	497422	25.823	ng	99
71) Anthracene	11.40	178	174909	8.933	ng	99
74) Fluoranthene	12.54	202	320275	15.914	ng	100
77) Pyrene	12.78	202	487669	22.765	ng	99
80) Benzo(a)anthracene	13.97	228	188905	10.941	ng	97
82) Chrysene	14.00	228	193517	10.912	ng	99
85) Indeno(1,2,3-cd)pyrene	16.89	276	32017	2.125	ng	96
87) Benzo(b)fluoranthene	15.02	252	100364m	7.577	ng	
88) Benzo(k)fluoranthene	15.04	252	28613m	2.288	ng	
89) Benzo(a)pyrene	15.37	252	92617	7.815	ng	# 96
91) Benzo(a,h,i)perylene	17.33	276	36132	3.832	ng	95

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

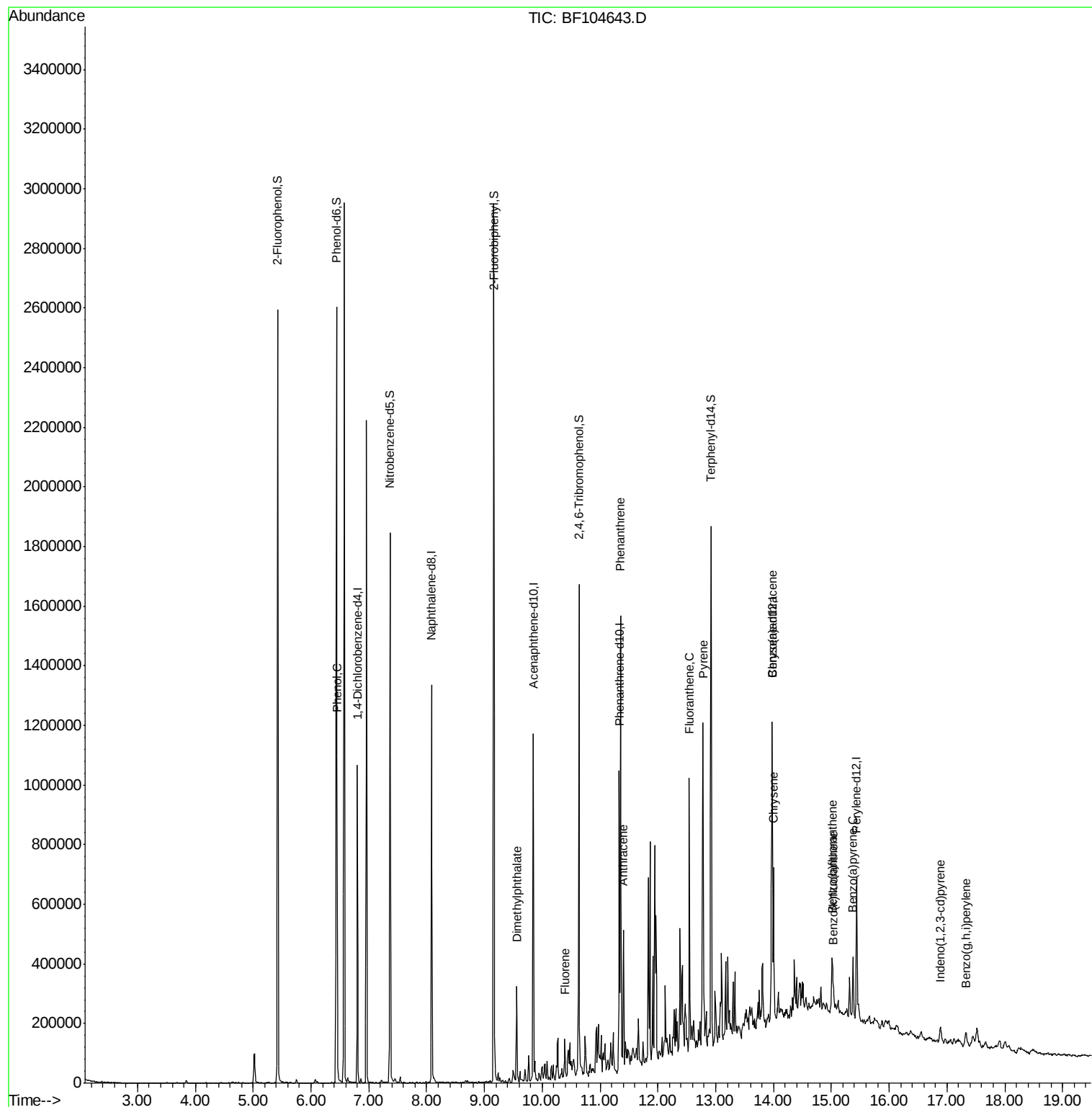
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104643.D
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Sample : J2439-02
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ALS Vial : 13 Sample Multiplier: 1

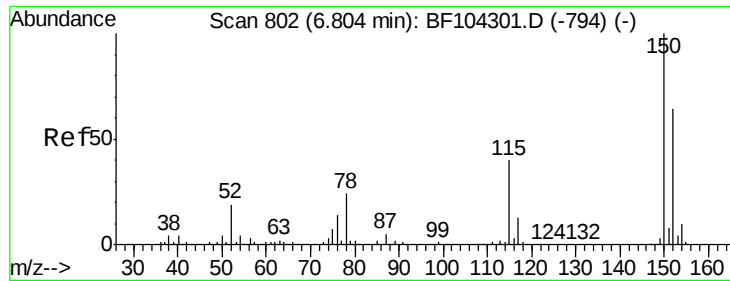
Instrument :
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#1

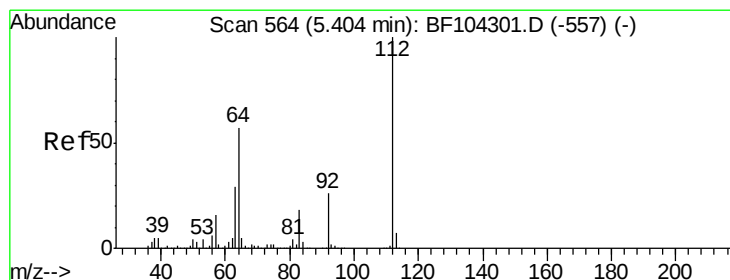
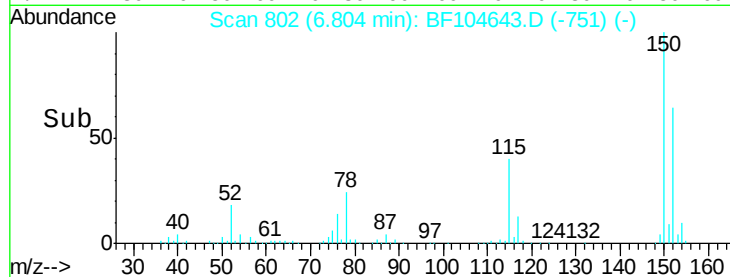
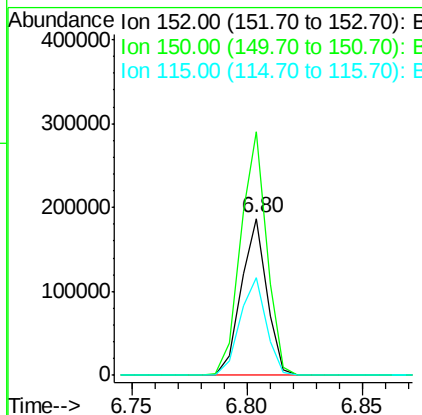
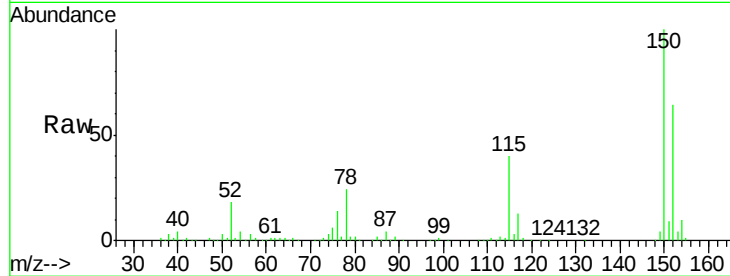
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	62.2	50.1	75.1

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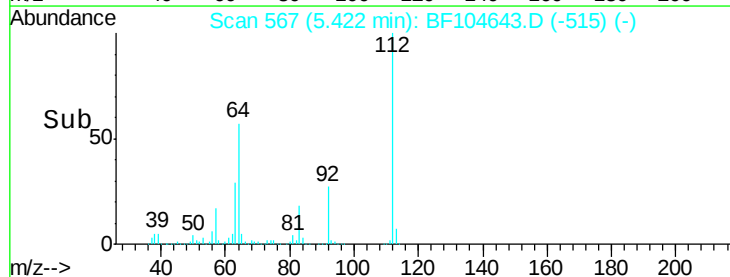
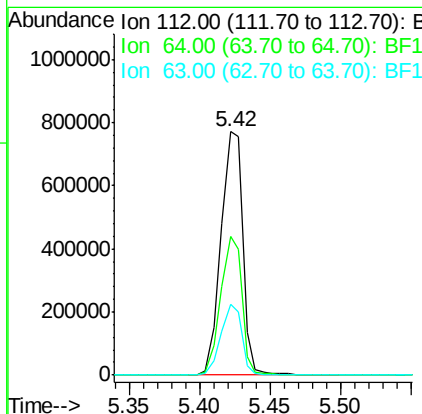
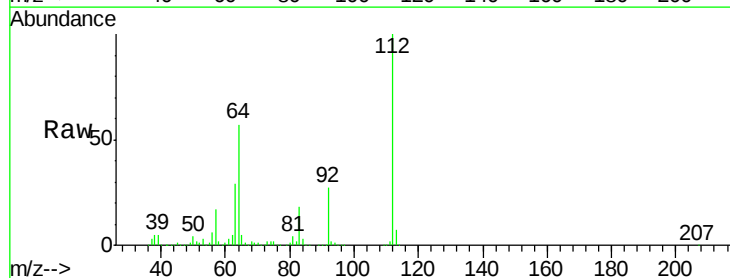
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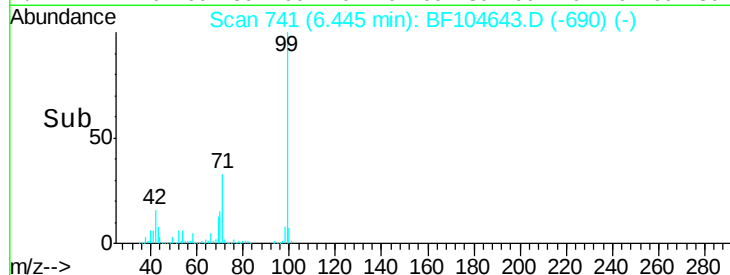
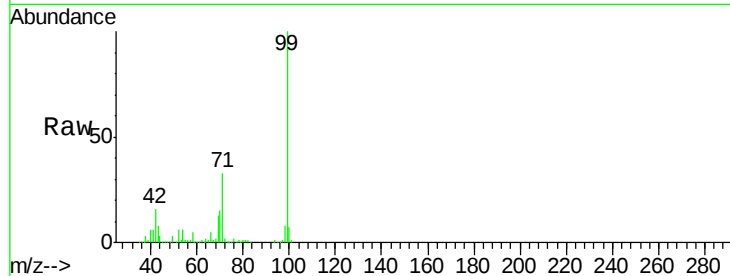
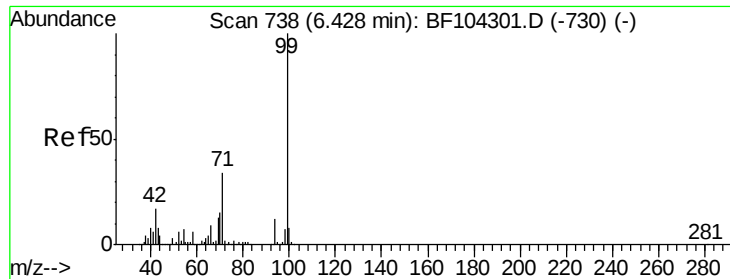


#5

2-Fluorophenol
Concen: 87.840 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	29.2	23.7	35.5





#7

Phenol-d6

Concen: 85.332 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

Tot Ion:	99	Resp:	997415
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.5	21.7
71	33.3	25.4	38.0

Instrument :

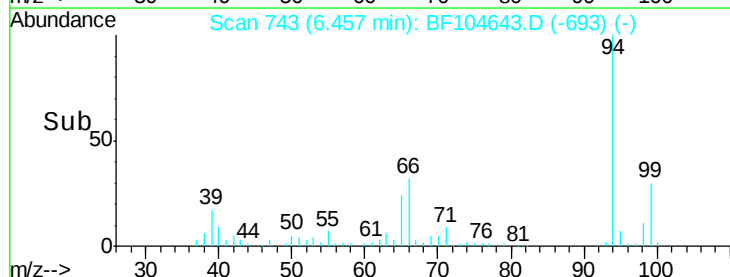
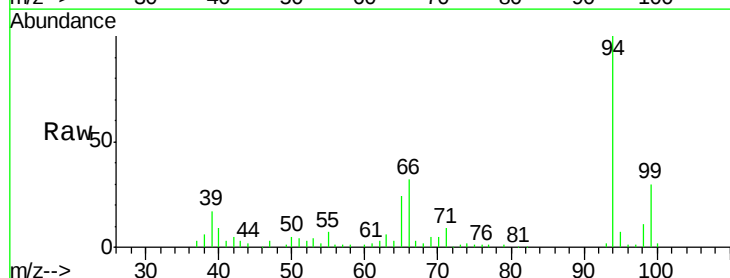
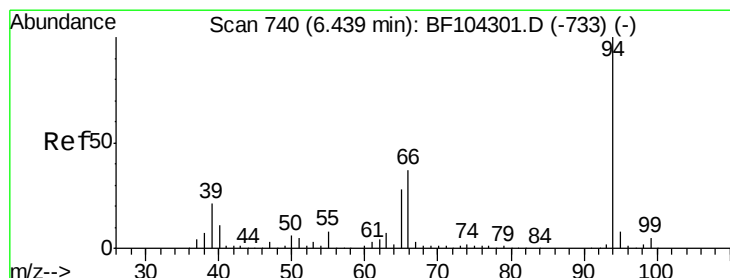
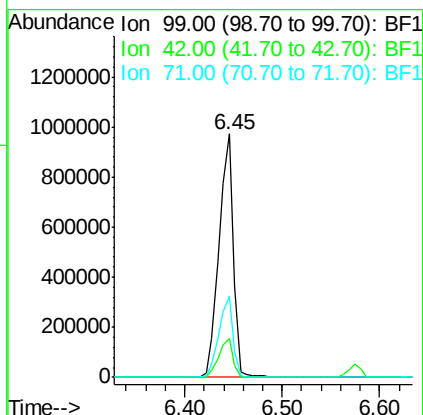
BNA_F

ClientSampleId :

CDMP-B3-15-17

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#10

Phenol

Concen: 4.243 ng

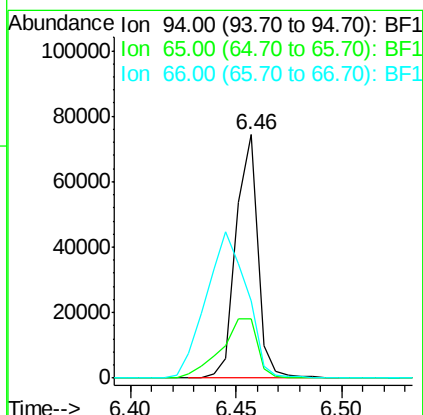
RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

Tgt Ion:	94	Resp:	52616
Ion Ratio	Lower	Upper	
94	100		
65	24.5	7.9	47.9
66	31.9	16.2	56.2





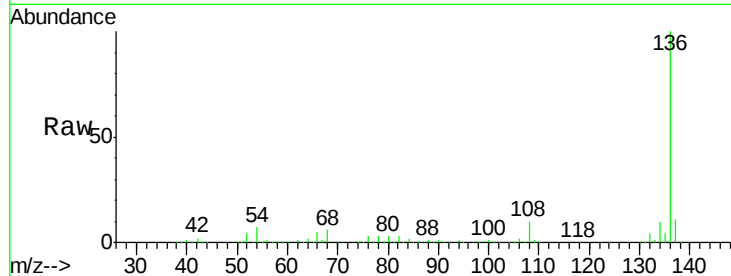
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

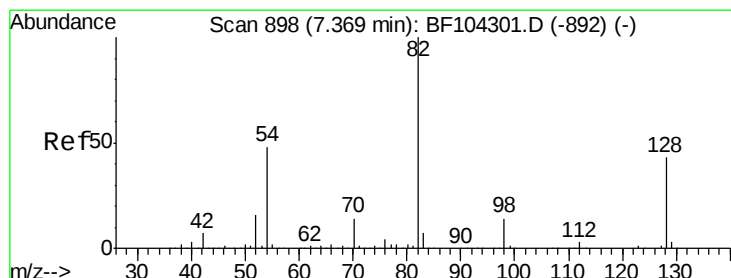
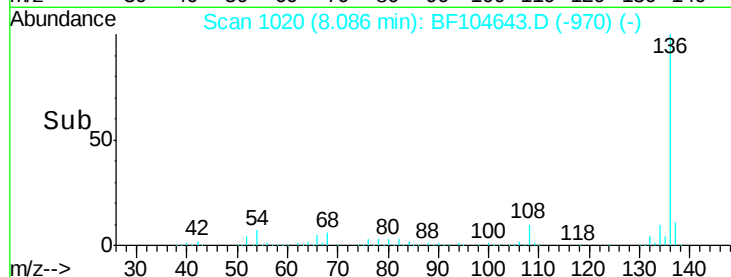
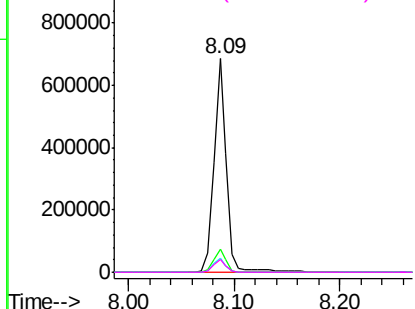
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		575011		
137	10.9	8.9	13.3		
54	6.8	6.6	9.8		
68	5.8	5.0	7.4		

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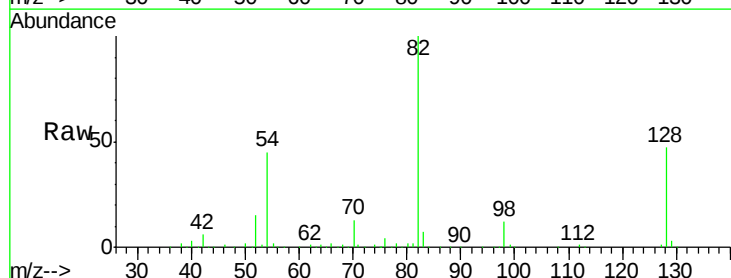


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

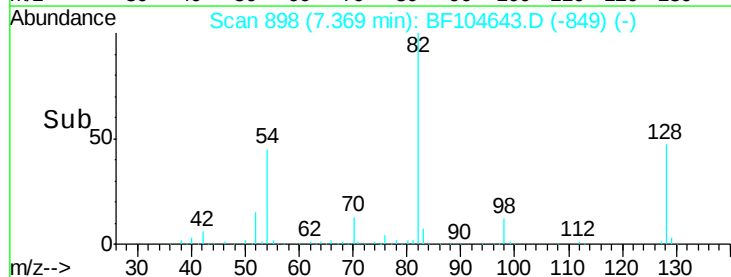
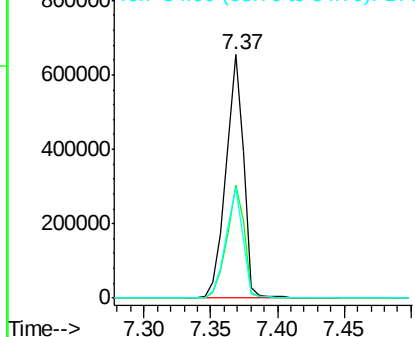


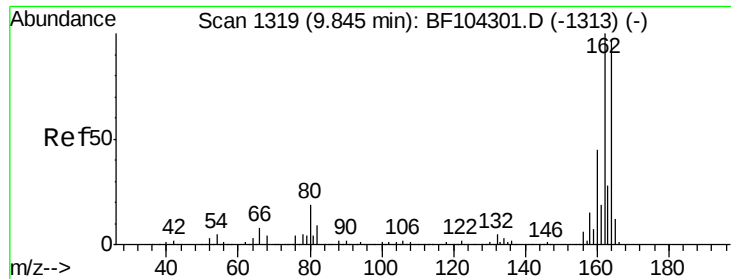
#23
Nitrobenzene-d5
Concen: 70.044 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		616800		
128	46.6	36.1	54.1		
54	45.5	41.4	62.2		



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

Instrument :

BNA_F

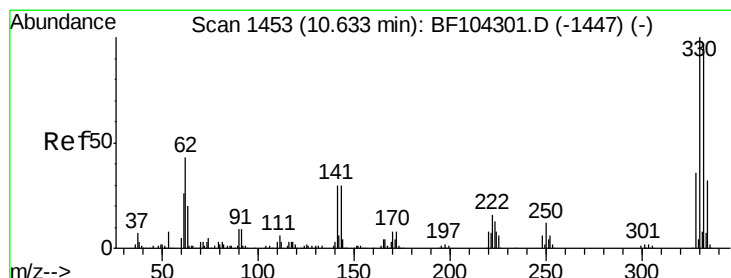
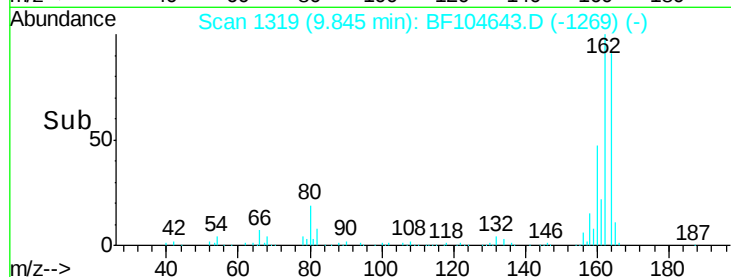
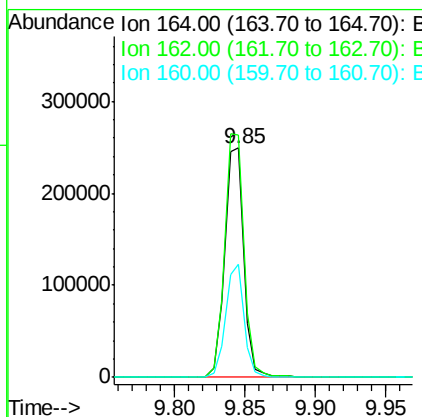
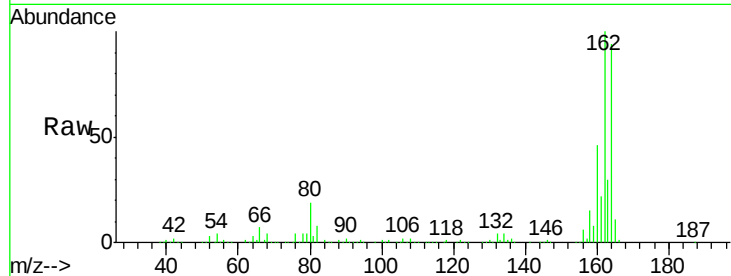
ClientSampleId :

CDMP-B3-15-17

Tot Ion:	164	Resp:	235445
Ion Ratio	Lower	Upper	
164	100		
162	105.9	86.1	129.1
160	49.2	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 81.658 ng

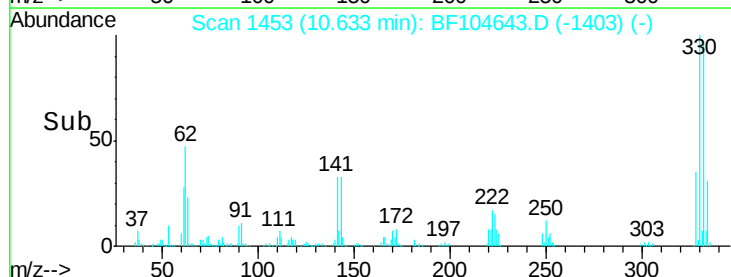
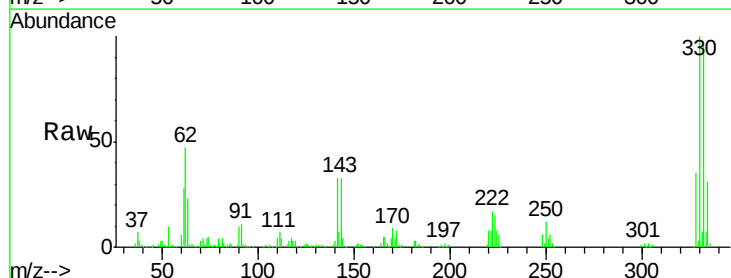
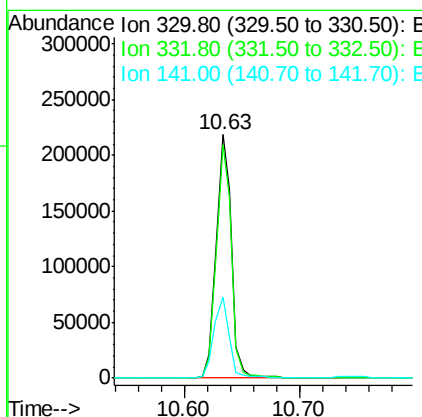
RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

Tgt Ion:	330	Resp:	199435
Ion Ratio	Lower	Upper	
330	100		
332	95.1	77.0	115.6
141	33.9	29.9	44.9





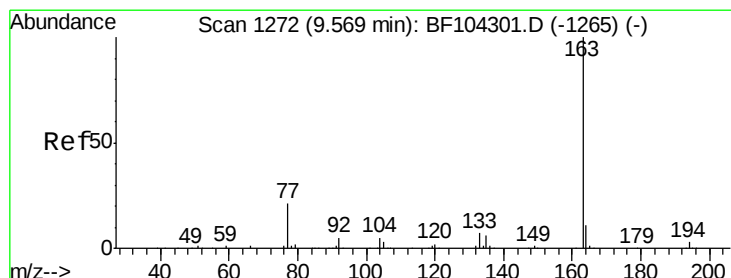
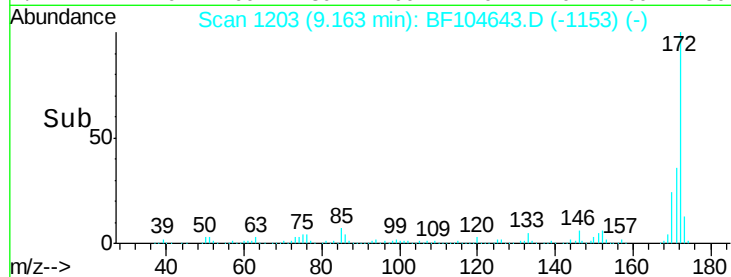
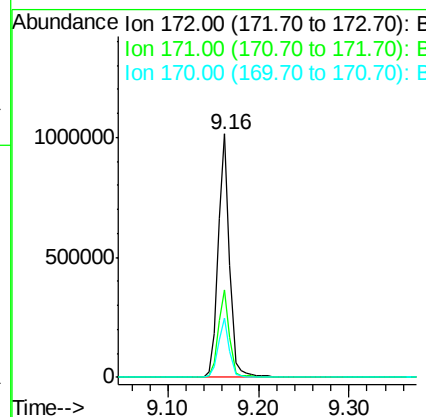
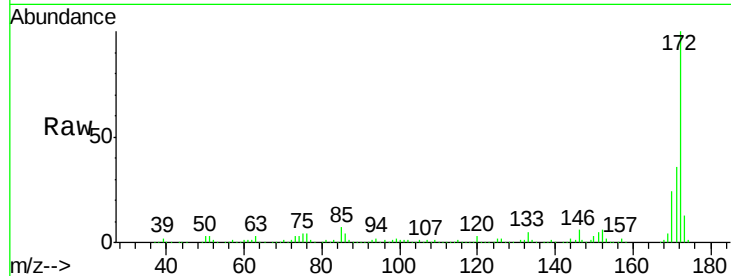
#44
2-Fluorobiphenyl
Concen: 59.446 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.4	19.6	29.4

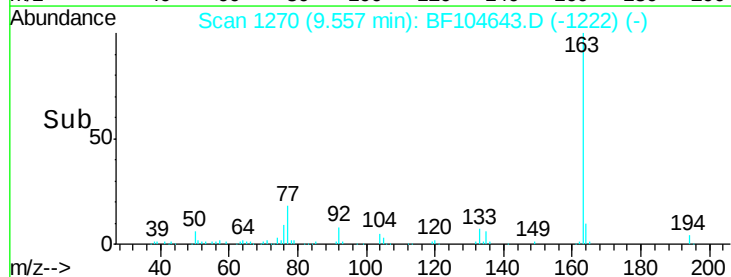
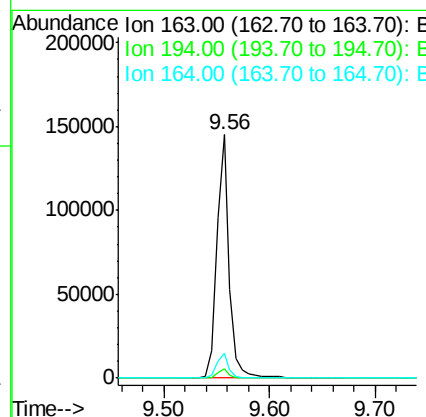
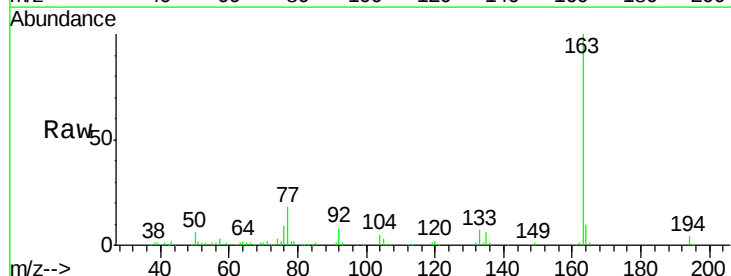
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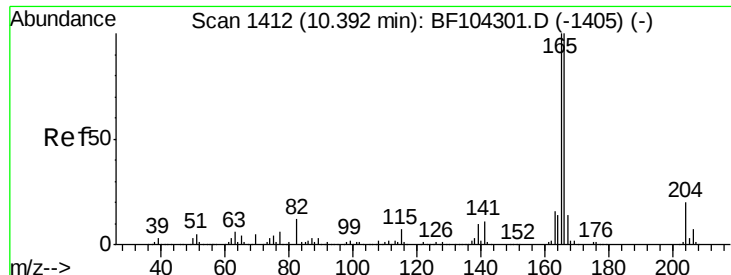
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#49
Dimethylphthalate
Concen: 6.454 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.3	8.2	12.2





#57

Fluorene

Concen: 2.223 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

Instrument :

BNA_F

ClientSampleId :

CDMP-B3-15-17

Tot Ion:166 Resp: 33721

Ion Ratio Lower Upper

166 100

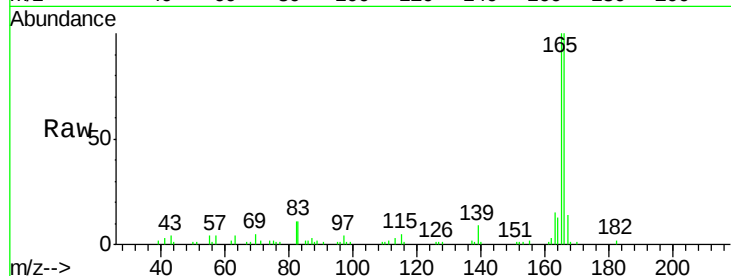
165 99.7 79.8 119.8

167 13.5 10.6 16.0

Manual Integrations
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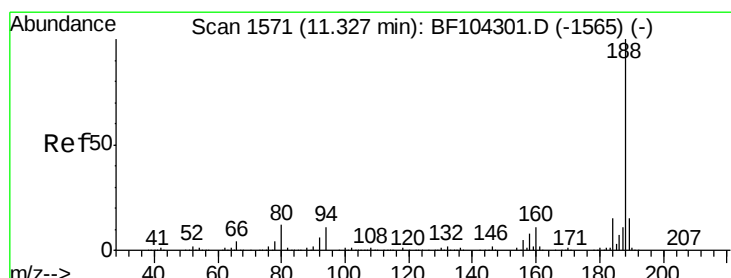
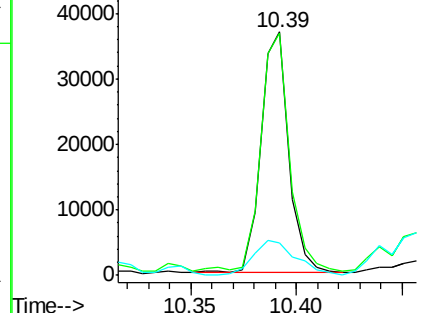
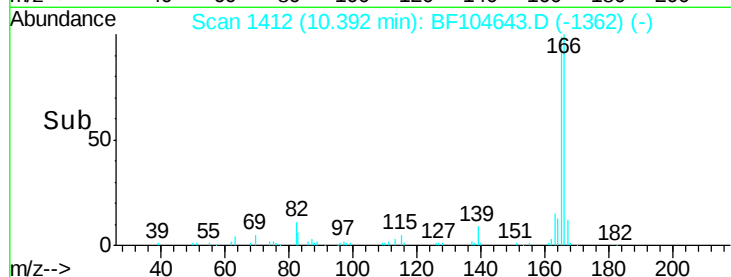
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

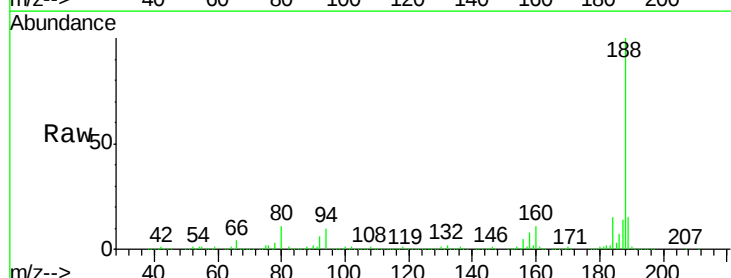
Tgt Ion:188 Resp: 345890

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

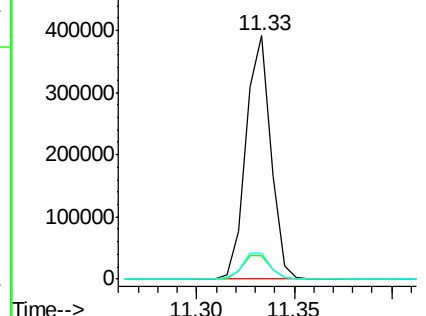
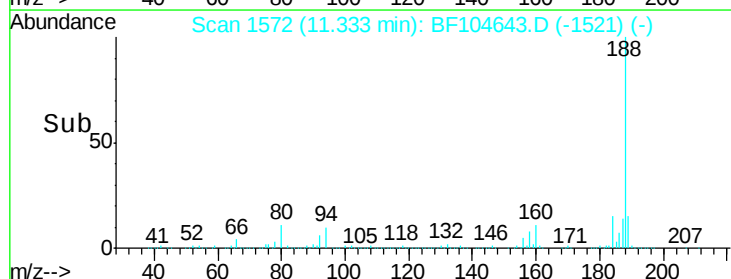
80 10.7 9.2 13.8

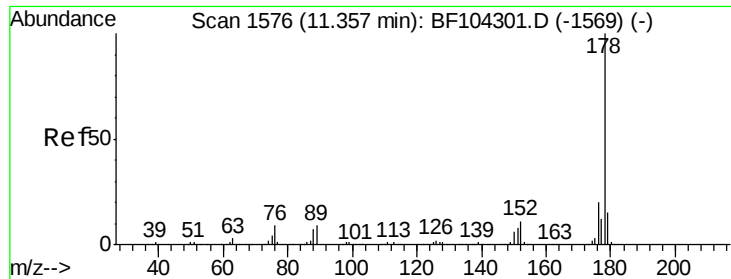


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





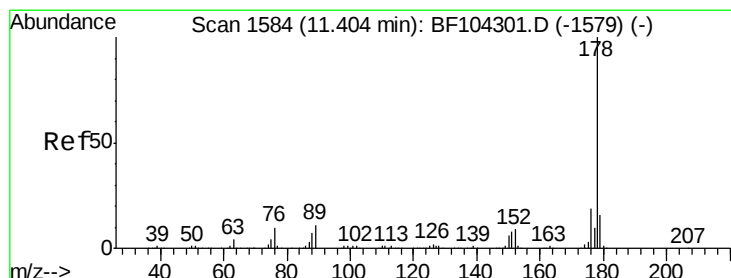
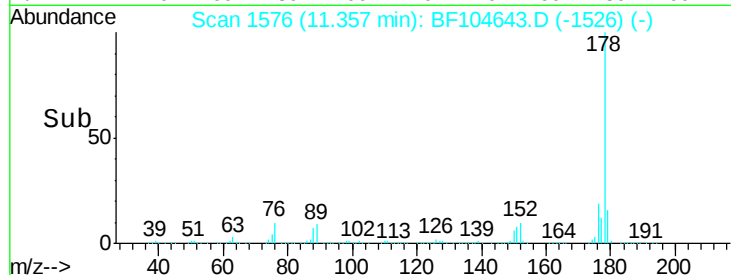
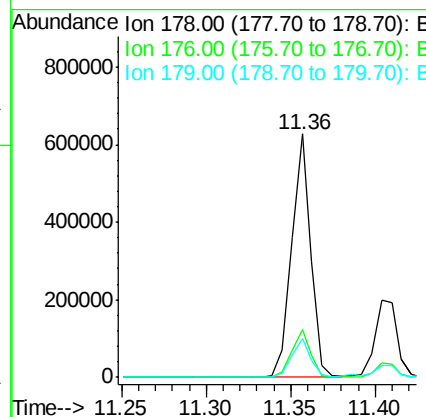
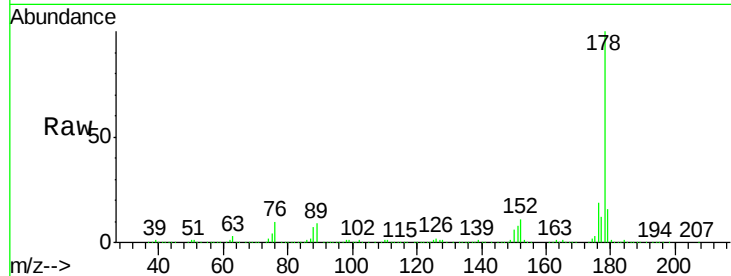
#70
 Phenanthrene
 Concen: 25.823 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF104643.D
 Acq: 19 Apr 2018 22:04

Instrument :
 BNA_F
 ClientSampleId :
 CDMF-B3-15-17

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.8	13.0	19.6

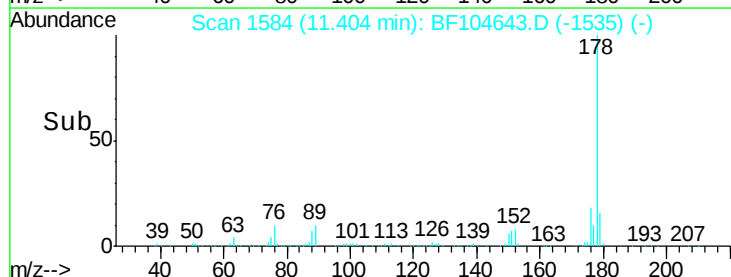
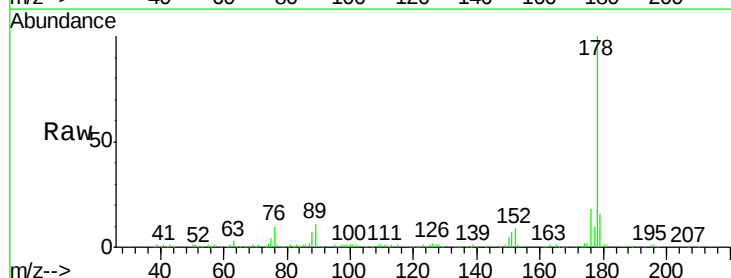
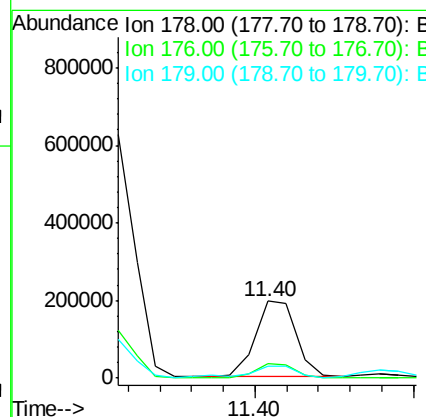
Manual Integrations
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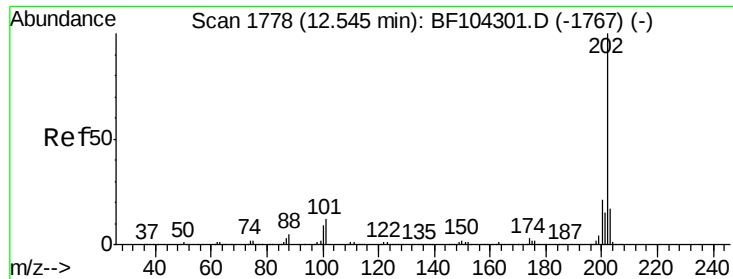
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#71
 Anthracene
 Concen: 8.933 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104643.D
 Acq: 19 Apr 2018 22:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.9	12.6	19.0





#74

Fluoranthene

Concen: 15.914 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

Instrument :

BNA_F

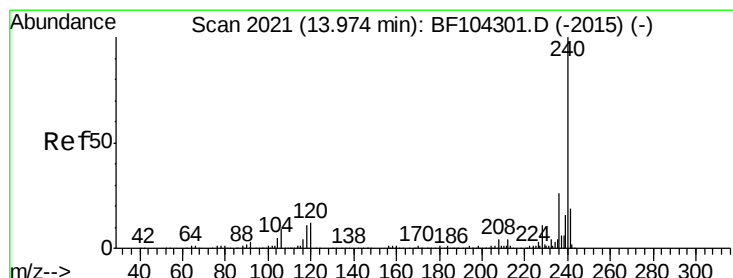
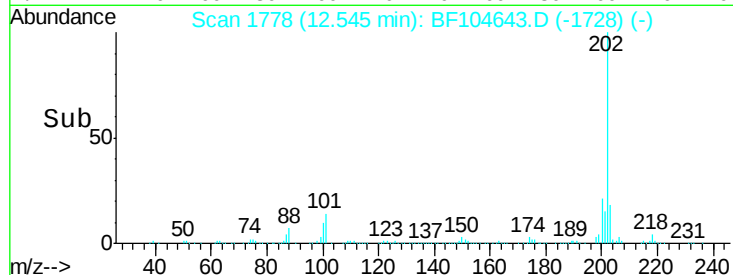
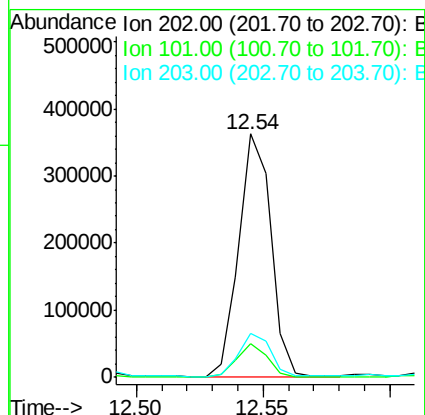
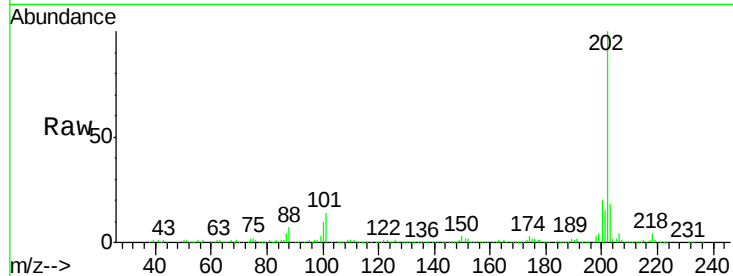
ClientSampleId :

CDMP-B3-15-17

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.1	0.0	34.1
203	17.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

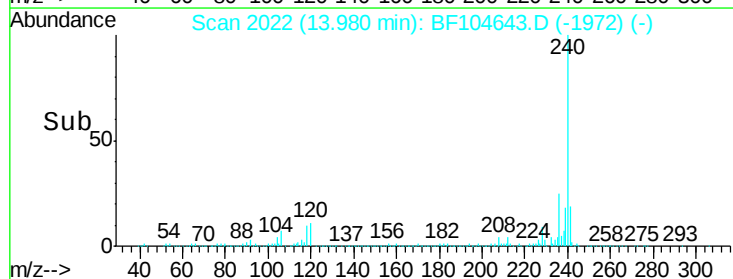
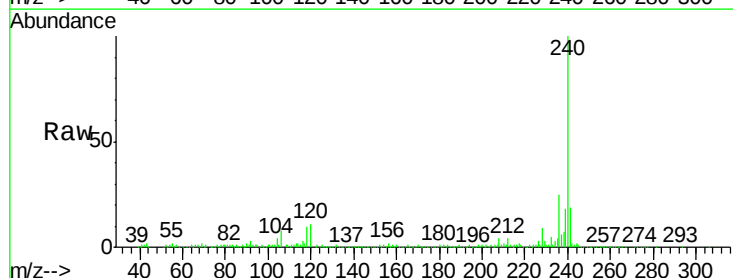
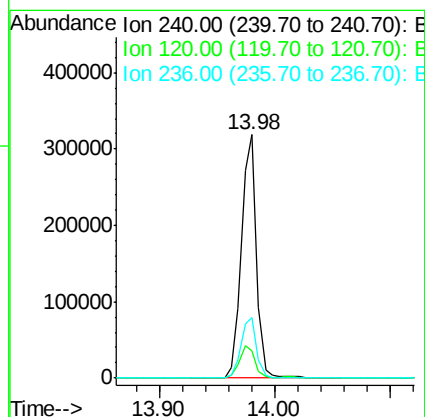
RT: 13.98 min Scan# 2022

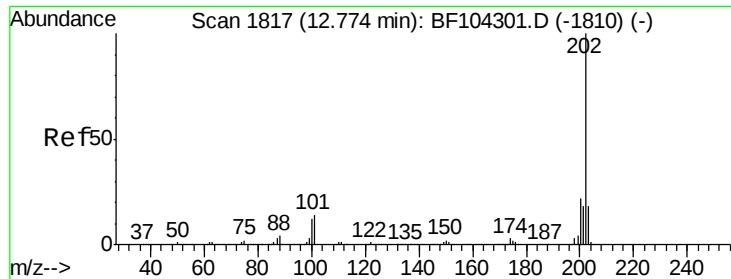
Delta R.T. -0.01 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.4	9.5	14.3
236	25.0	20.7	31.1





#77

Pvrene

Concen: 22.765 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

Instrument :

BNA_F

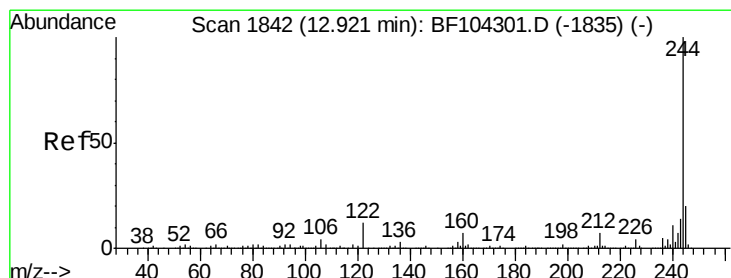
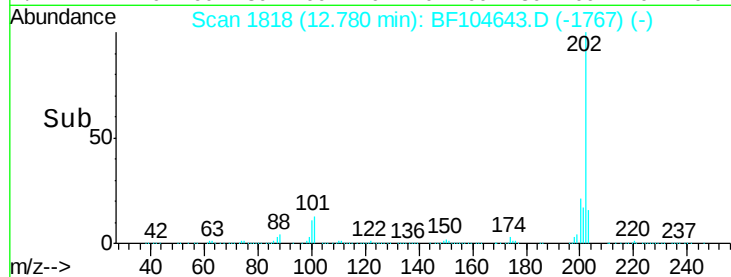
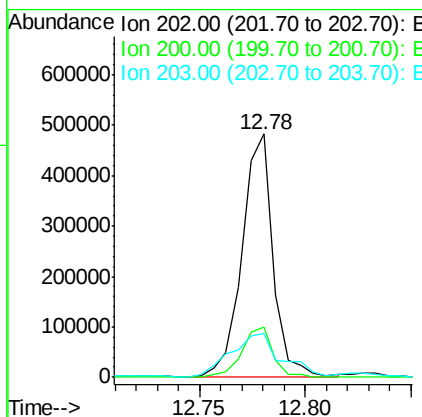
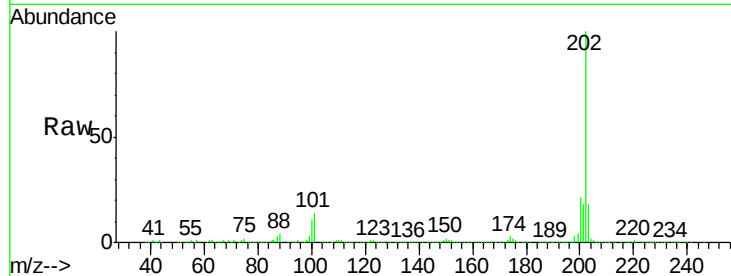
ClientSampleId :

CDMP-B3-15-17

Tot Ion:	202	Resp:	487669
Ion Ratio		Lower	Upper
202	100		
200	20.8	17.4	26.2
203	18.0	14.3	21.5

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#78

Terphenyl-d14

Concen: 48.069 ng

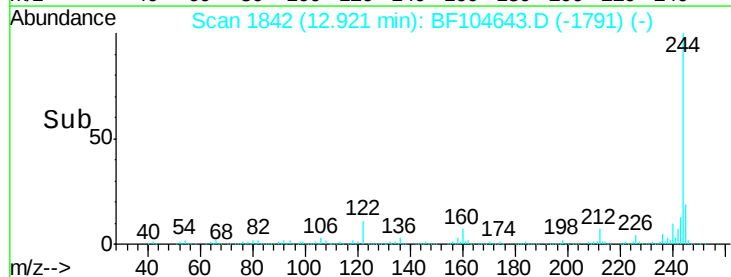
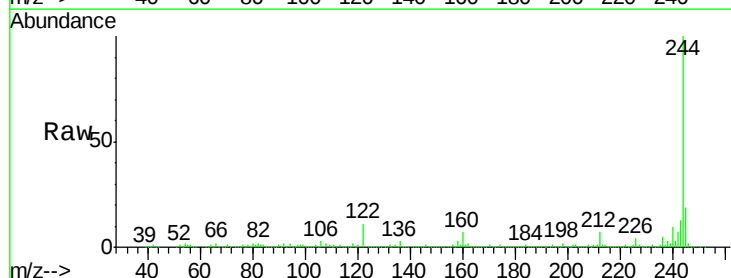
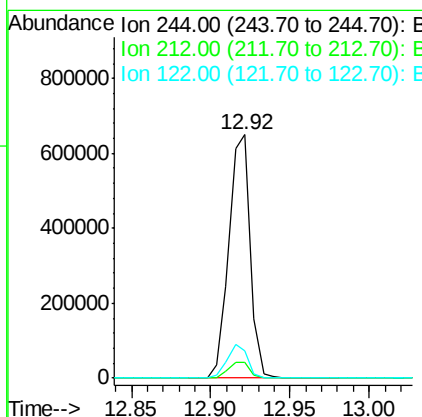
RT: 12.92 min Scan# 1842

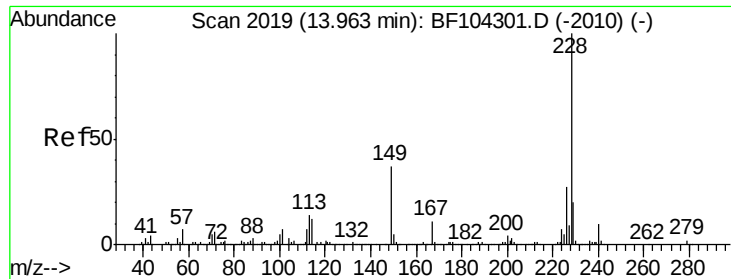
Delta R.T. 0.00 min

Lab File: BF104643.D

Acq: 19 Apr 2018 22:04

Tgt Ion:	244	Resp:	609353
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.2	11.0	16.4





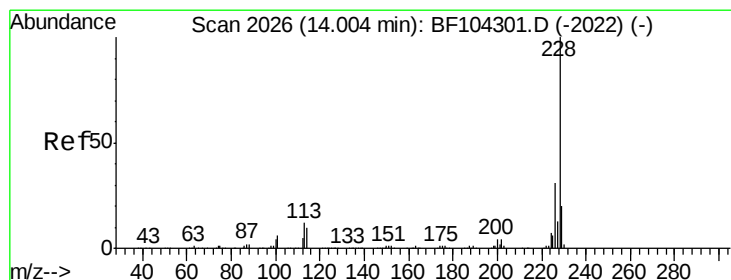
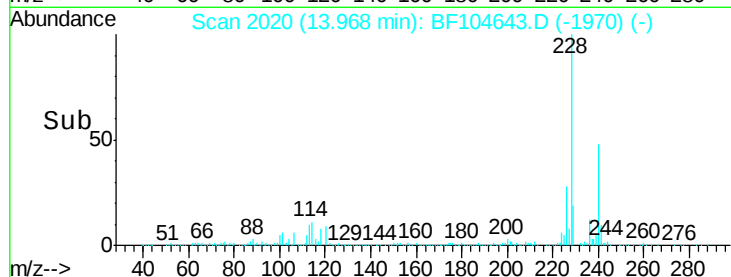
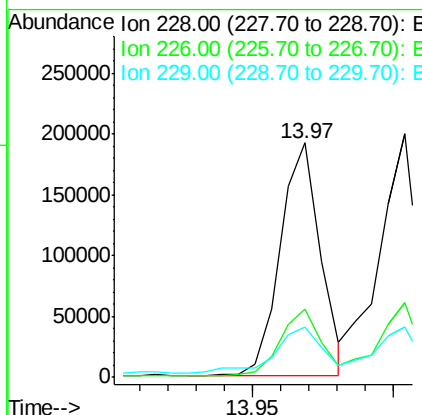
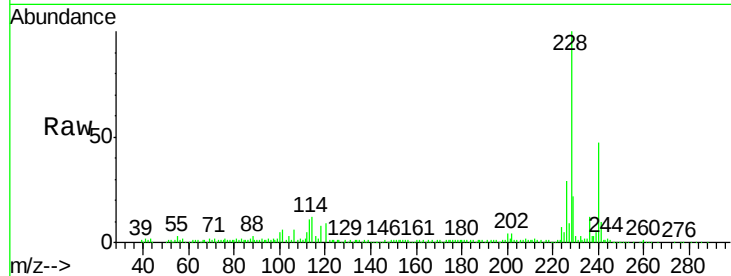
#80
Benzo(a)anthracene
Concen: 10.941 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.5	15.8	23.6

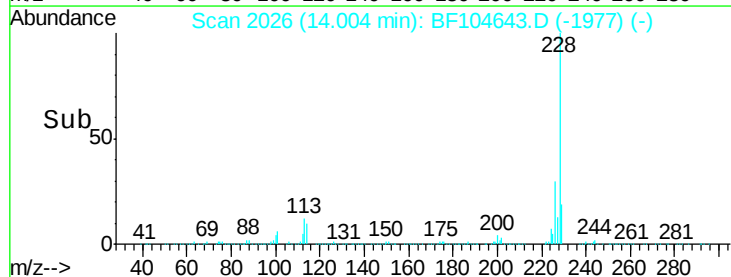
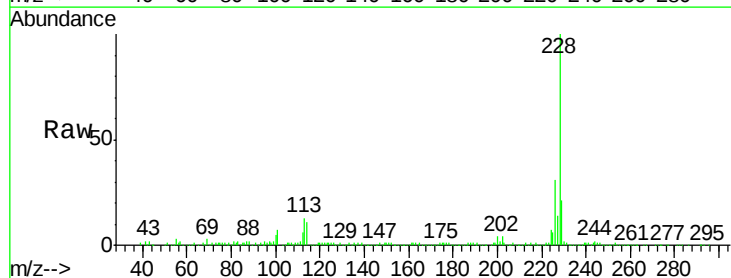
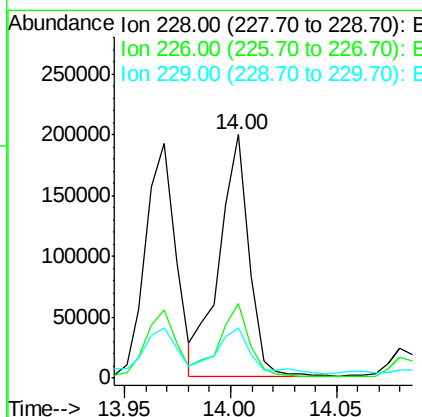
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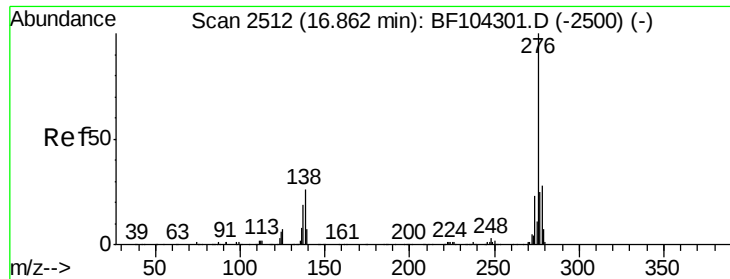
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#82
Chrysene
Concen: 10.912 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	20.9	16.2	24.4





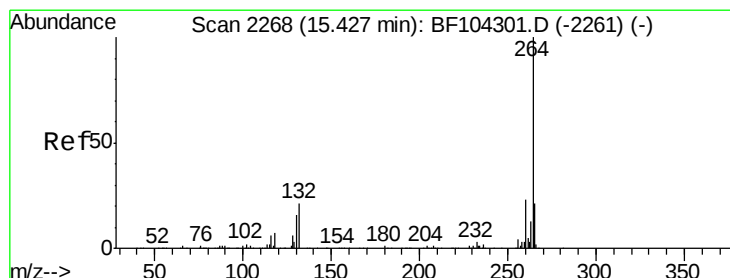
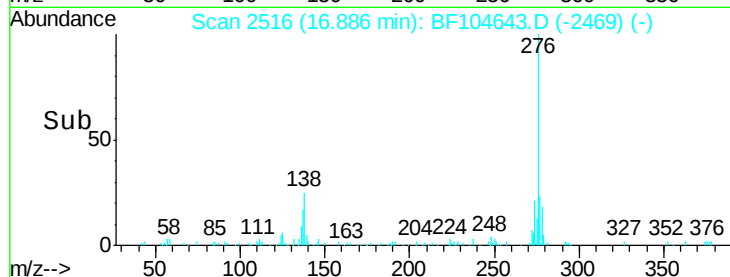
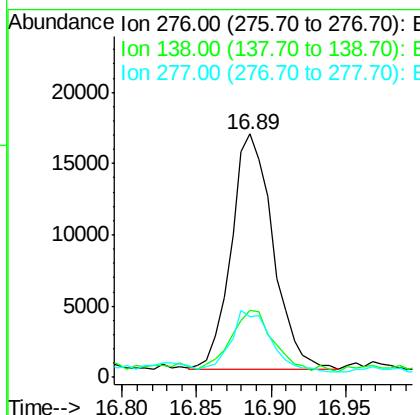
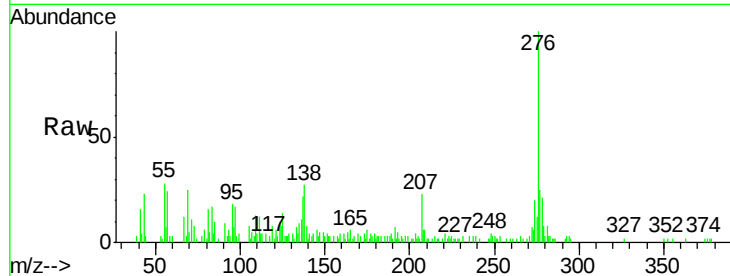
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.125 ng
 RT: 16.89 min Scan# 2516
 Delta R.T. -0.02 min
 Lab File: BF104643.D
 Acq: 19 Apr 2018 22:04

Instrument :
 BNA_F
 ClientSampleId :
 CDMF-B3-15-17

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.2	25.0	37.6
277	25.6	20.1	30.1

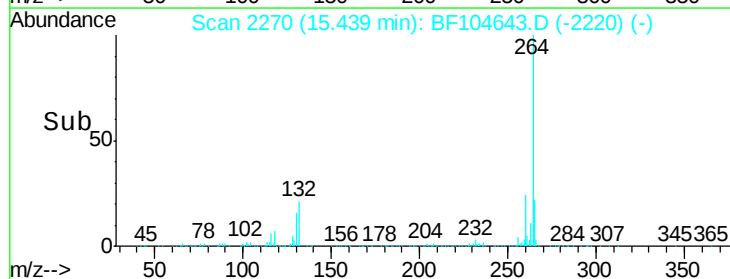
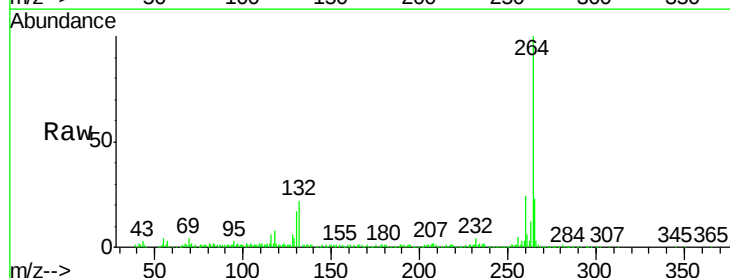
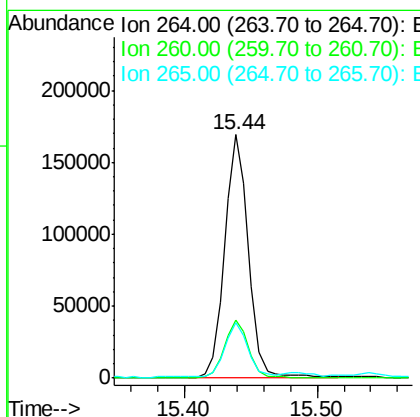
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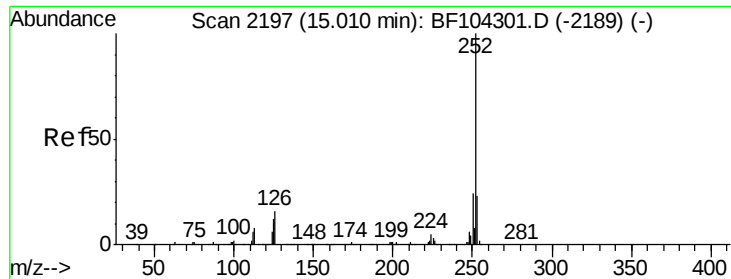
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF104643.D
 Acq: 19 Apr 2018 22:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.9	17.5	26.3





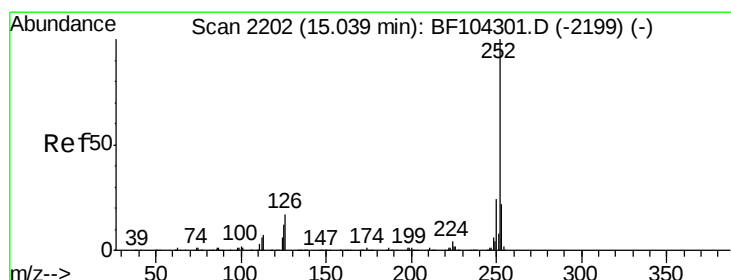
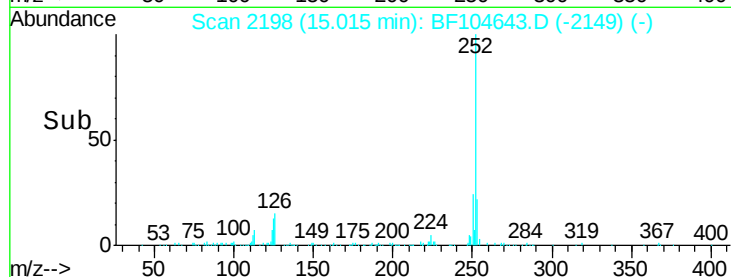
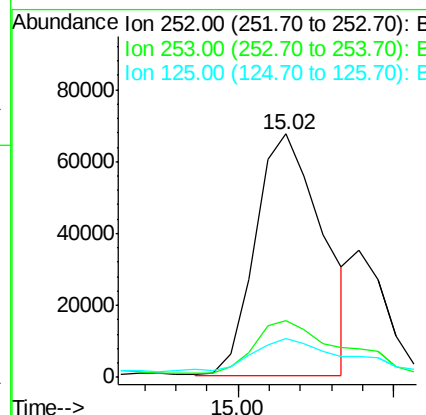
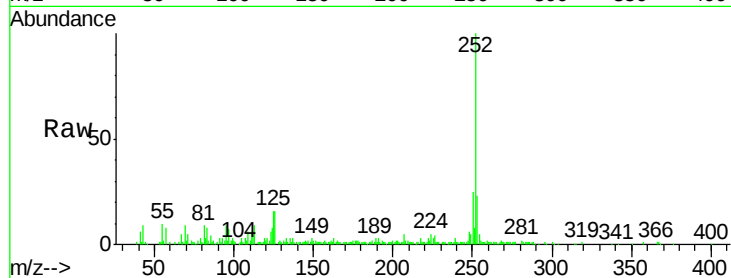
#87
Benzo(b)fluoranthene
Concen: 7.577 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	15.7	9.0	13.6

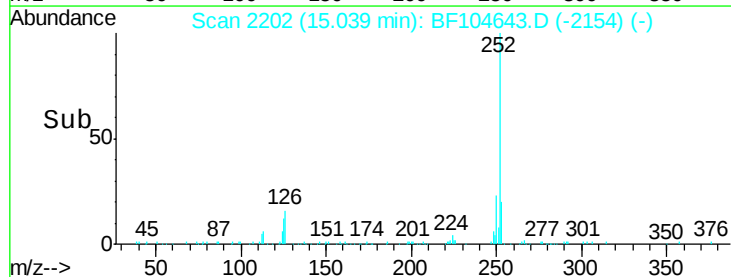
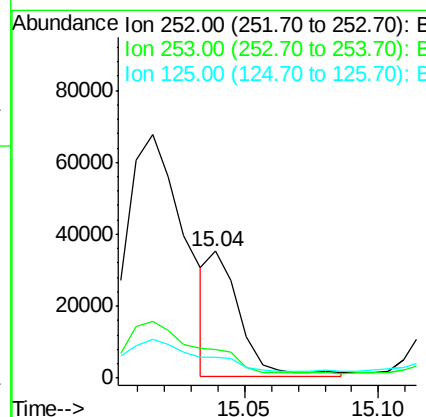
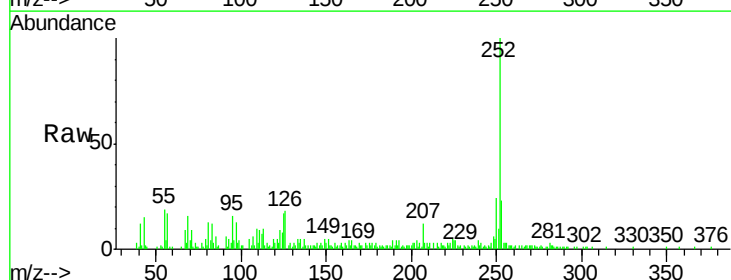
Manual Integrations
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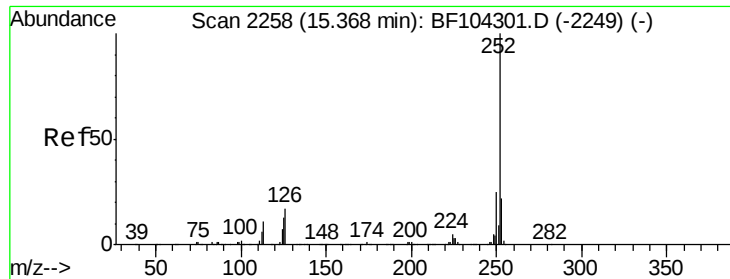
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#88
Benzo(k)fluoranthene
Concen: 2.288 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	16.9	10.2	15.2





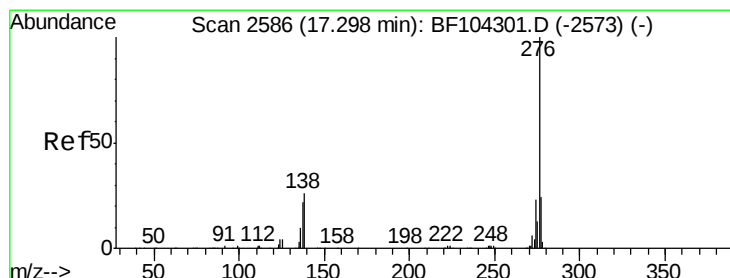
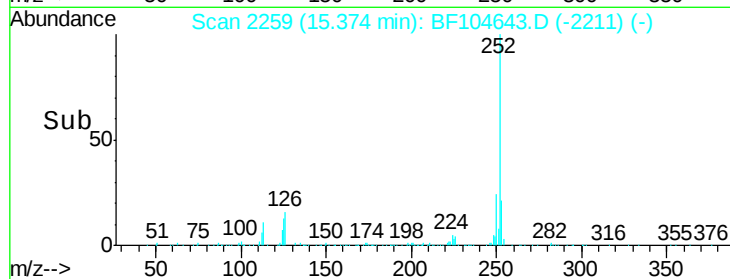
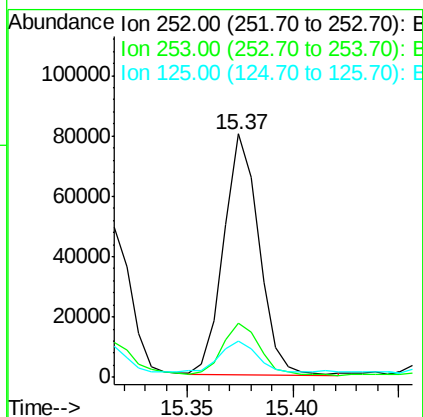
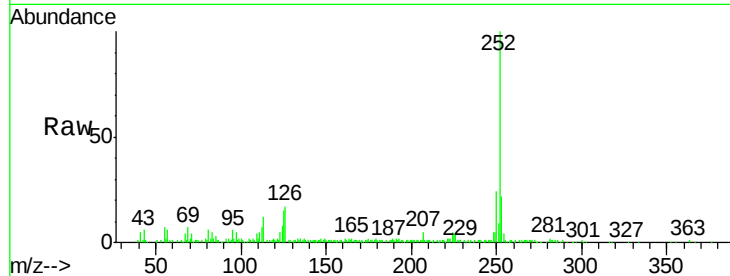
#89
Benzo(a)pyrene
Concen: 7.815 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.02 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Instrument :
BNA_F
ClientSampleId :
CDMP-B3-15-17

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	15.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.832 ng
RT: 17.33 min Scan# 2591
Delta R.T. -0.02 min
Lab File: BF104643.D
Acq: 19 Apr 2018 22:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	24.8	21.8	32.8

