

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
 Data File : BF099825.D
 Acq On : 25 Oct 2017 20:47
 Operator : SJ/JU
 Sample : I6068-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06

Manual Integrations
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Sohil
 10/27/2017 8:59:08 AM

Quant Time: Oct 26 03:40:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 17:02:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	79937	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	325260	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	147152	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	253873	20.00	ng	0.00
75) Chrysene-d12	13.99	240	185568	20.00	ng	0.00
86) Perylene-d12	15.46	264	169861	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	126073	24.76	ng	0.00
7) Phenol-d6	6.43	99	162482	26.91	ng	0.00
23) Nitrobenzene-d5	7.36	82	87855	17.39	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	33195	24.75	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	187203	19.63	ng	0.00
78) Terphenyl-d14	12.92	244	151640	17.86	ng	0.00
Target Compounds						
70) Phenanthrene	11.35	178	168734	11.777	ng	97
71) Anthracene	11.41	178	52005	3.576	ng	97
74) Fluoranthene	12.55	202	381729	25.638	ng	98
77) Pyrene	12.78	202	373928	26.500	ng	98
80) Benzo(a)anthracene	13.97	228	212082	18.028	ng	100
82) Chrysene	14.01	228	170735	15.438	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	68876	6.784	ng	97
87) Benzo(b)fluoranthene	15.03	252	209296m	19.513	ng	
88) Benzo(k)fluoranthene	15.06	252	74113m	7.328	ng	
89) Benzo(a)pyrene	15.40	252	148856	15.450	ng	96
90) Dibenzo(a,h)anthracene	16.94	278	18805m	2.197	ng	
91) Benzo(a,h,i)perylene	17.39	276	63219	7.548	ng	94

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

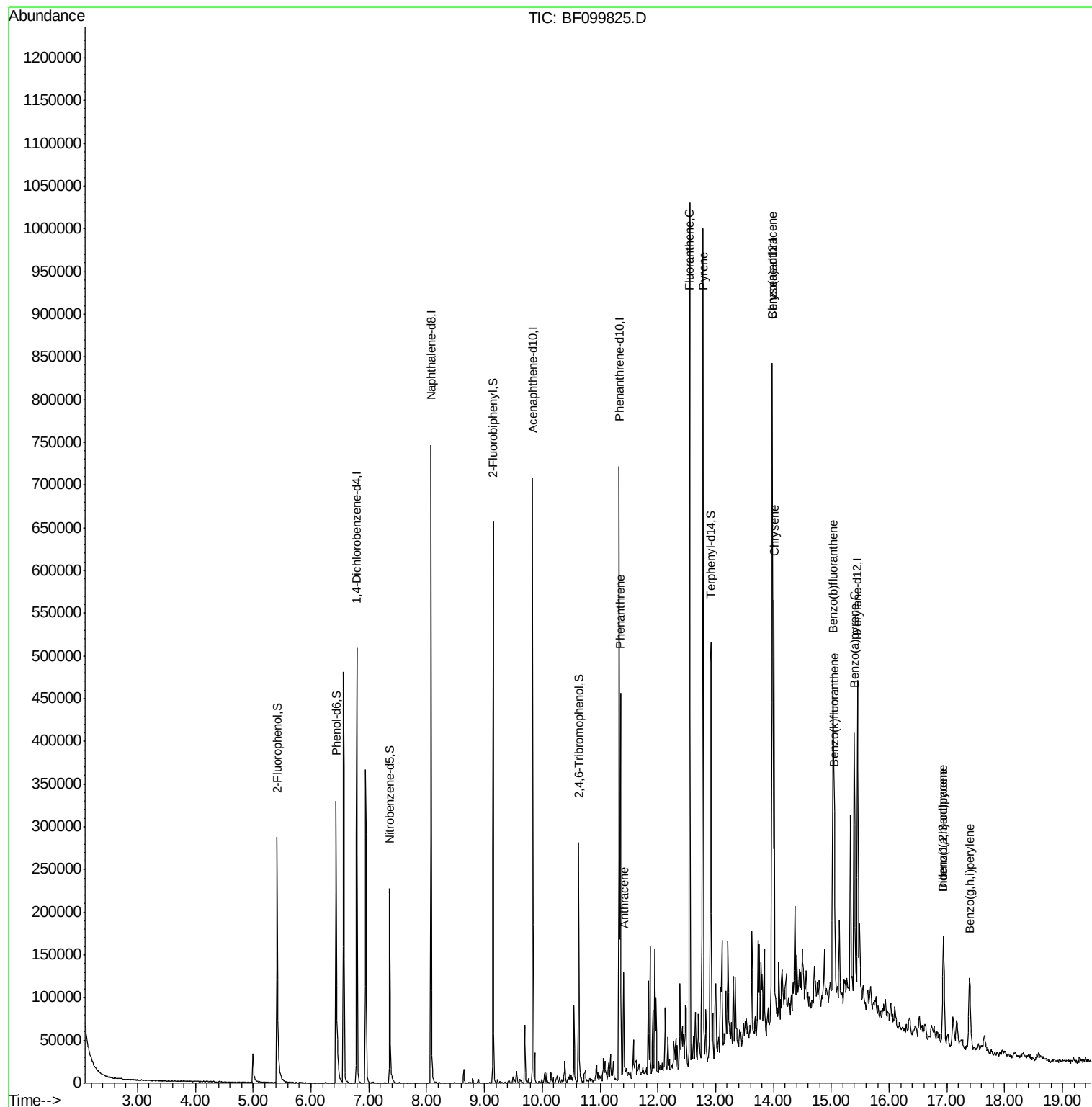
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099825.D
Acq On : 25 Oct 2017 20:47
Operator : SJ/JU
Sample : I6068-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

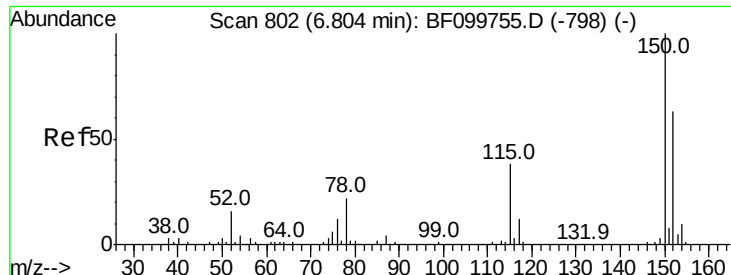
Instrument :
BNA_F
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SB-06

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

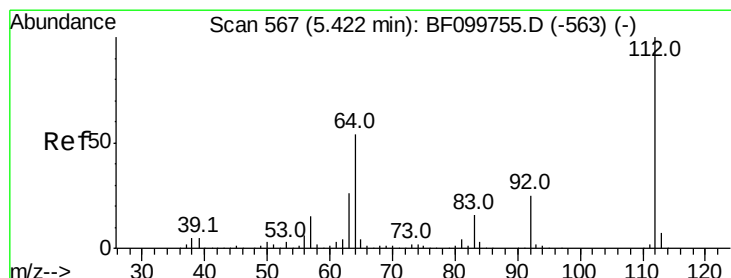
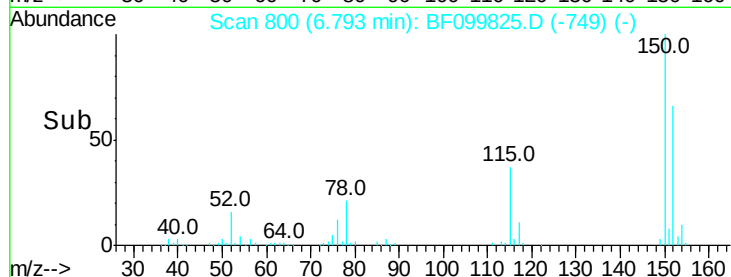
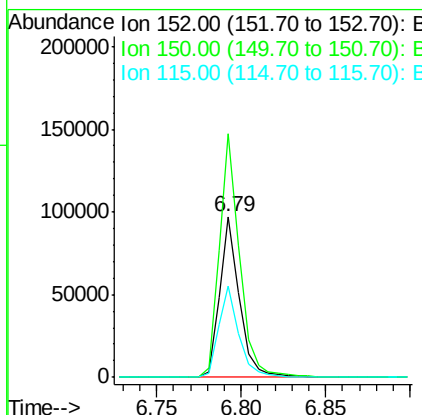
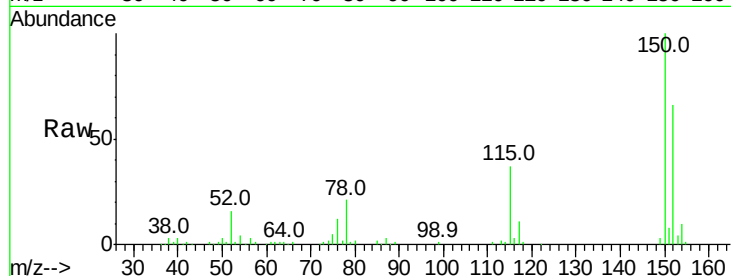
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Instrument :
BNA_F
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Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	124.6	186.8
115	56.6	50.1	75.1

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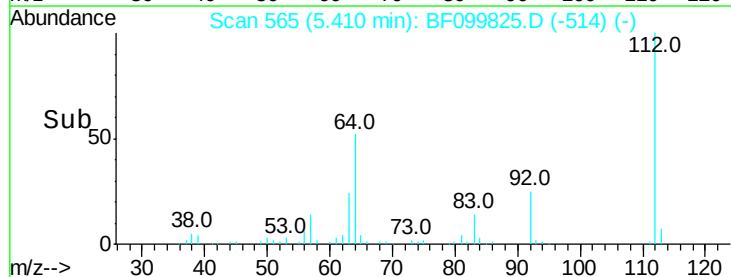
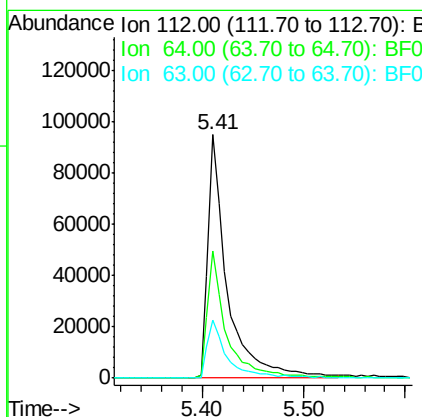
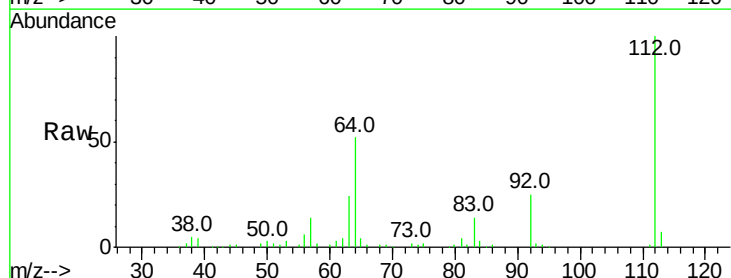
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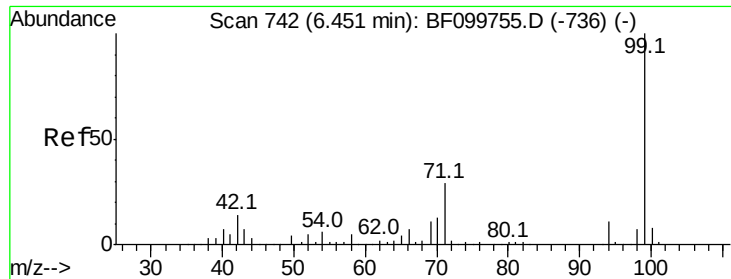


#5

2-Fluorophenol
Concen: 24.761 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	47.9	71.9
63	24.1	23.7	35.5





#7

Phenol-d6

Concen: 26.913 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

Instrument :

BNA_F

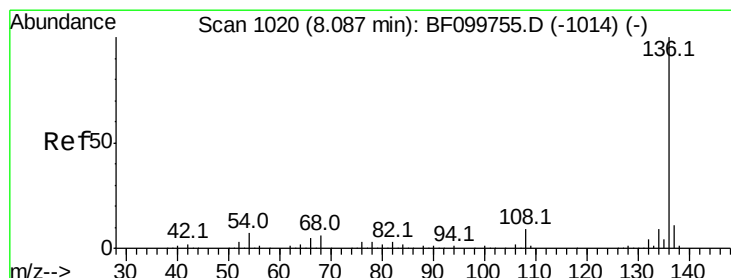
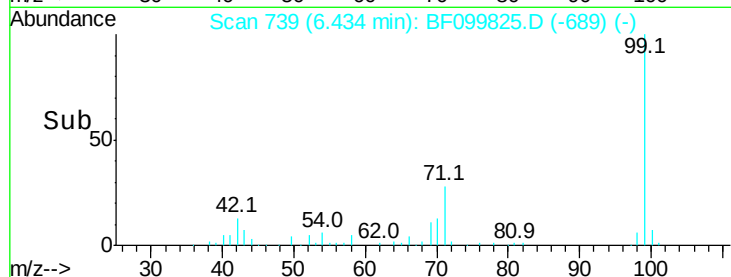
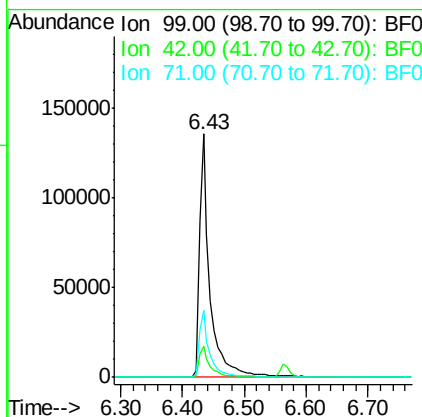
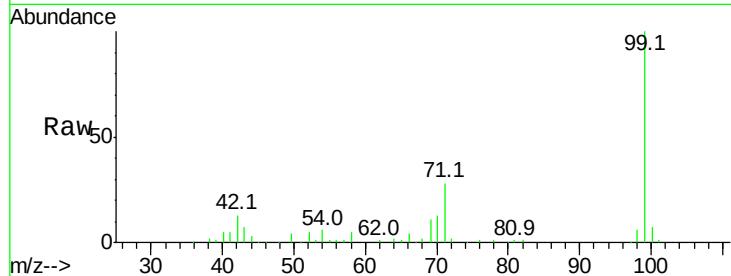
ClientSampled :

SB-06

Tot Ion	Ratio	Lower	Upper
99	100		
42	13.0	14.5	21.7#
71	27.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

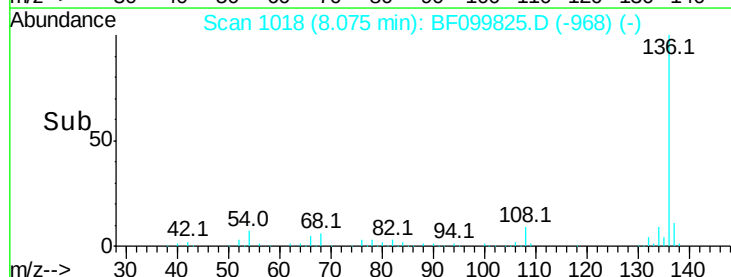
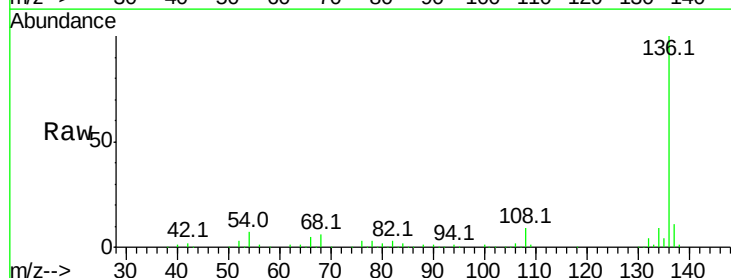
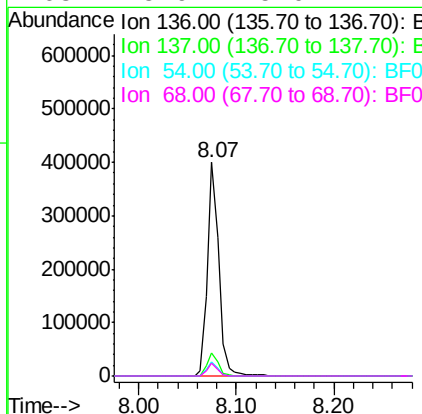
RT: 8.07 min Scan# 1018

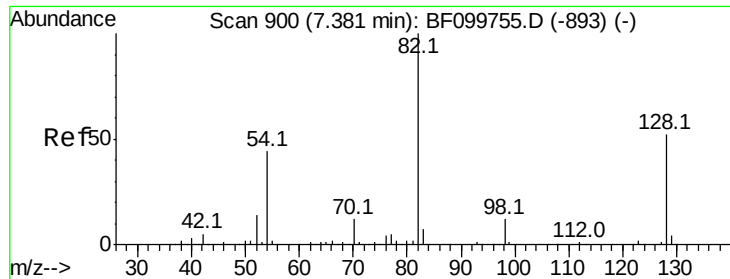
Delta R.T. -0.01 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.6	6.6	9.8
68	5.9	5.0	7.4





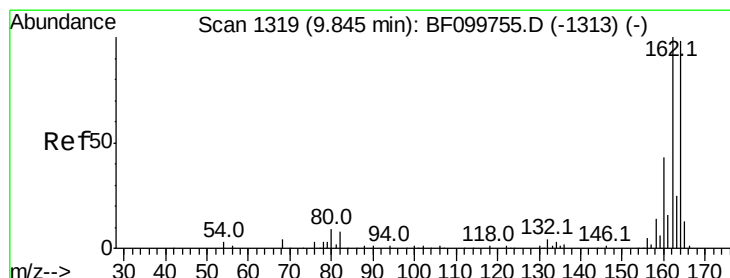
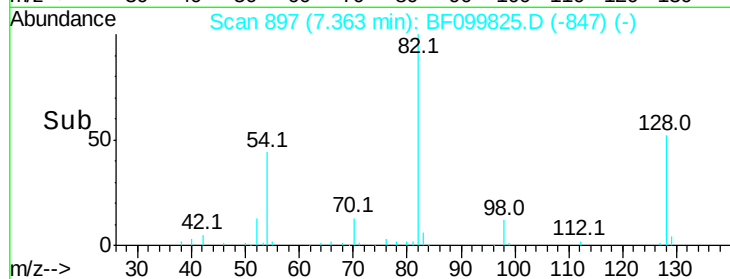
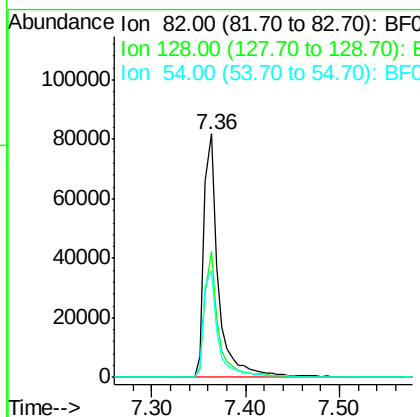
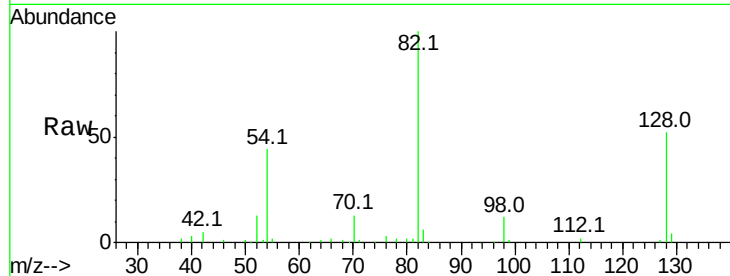
#23
 Nitrobenzene-d5
 Concen: 17.390 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF099825.D
 Acq: 25 Oct 2017 20:47

Instrument :
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Tot Ion	82	Resp	87855
Ion Ratio	100	Lower	Upper
128	51.9	36.1	54.1
54	43.5	41.4	62.2

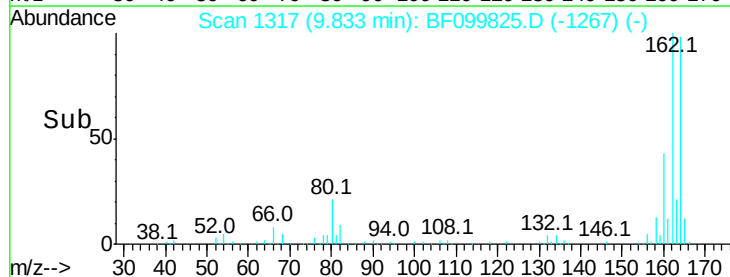
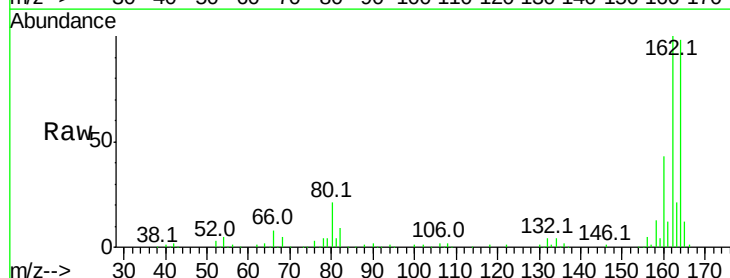
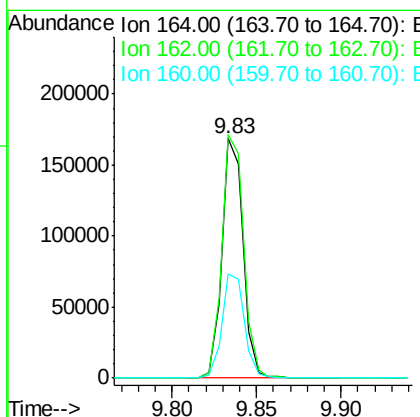
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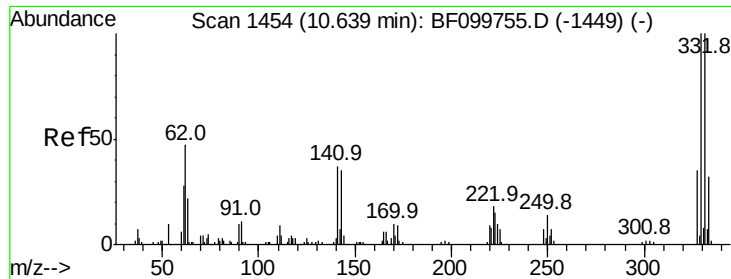
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF099825.D
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Tgt Ion	164	Resp	147152
Ion Ratio	100	Lower	Upper
162	101.8	86.1	129.1
160	43.3	38.3	57.5





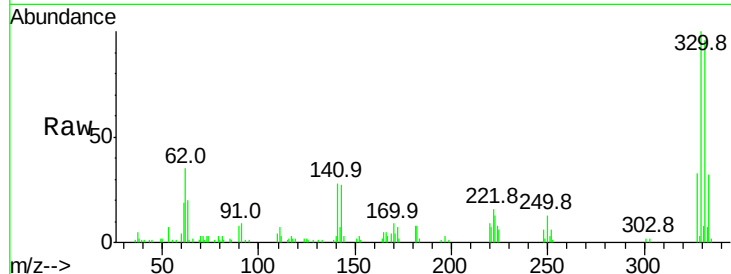
#41
 2,4,6-Tribromophenol
 Concen: 24.754 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF099825.D
 Acq: 25 Oct 2017 20:47

Instrument :
 BNA_F
 ClientSampled :
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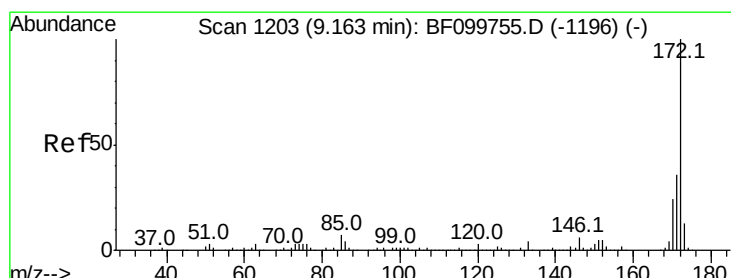
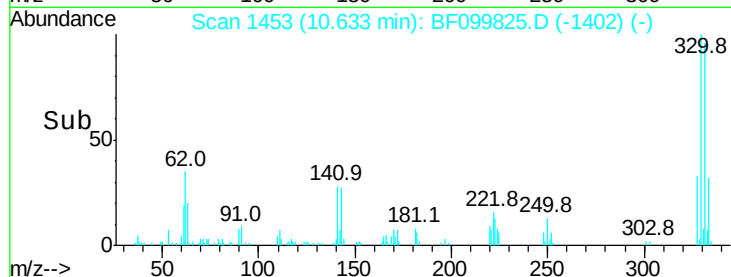
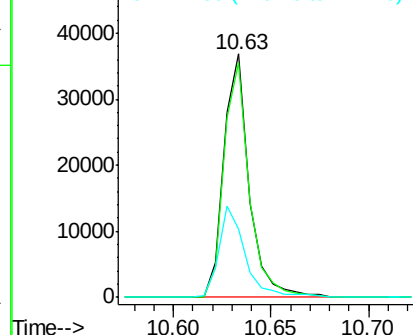
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	77.0	115.6	
141	39.2	29.9	44.9	

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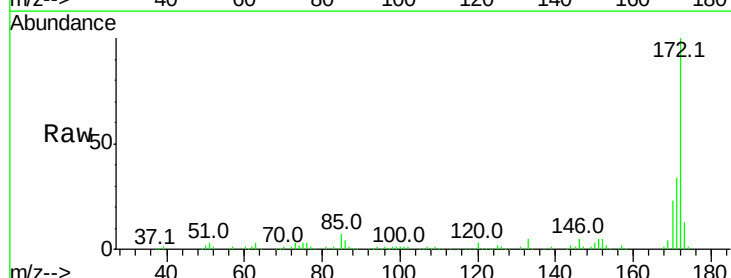


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

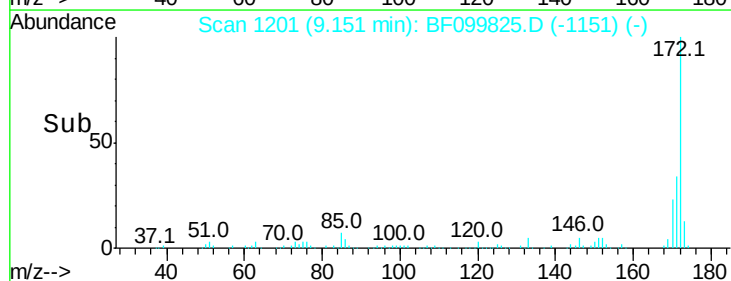
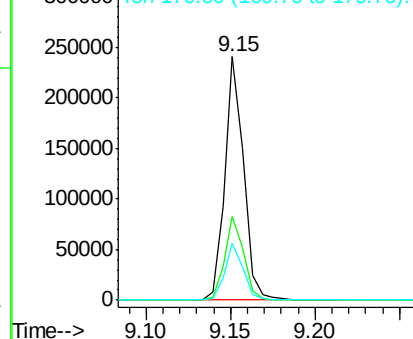


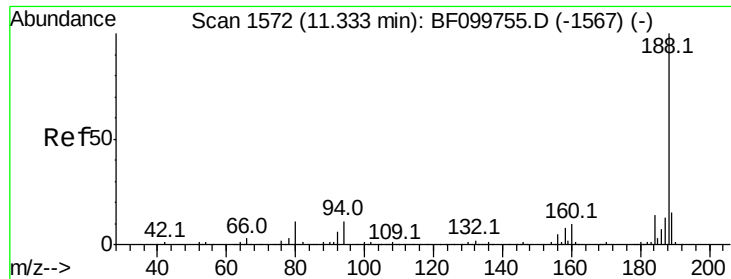
#44
 2-Fluorobiphenyl
 Concen: 19.628 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF099825.D
 Acq: 25 Oct 2017 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.5	29.7	44.5	
170	23.4	19.6	29.4	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





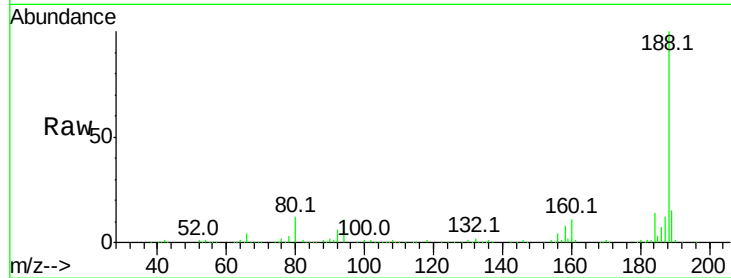
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Instrument :
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ClientSampled :
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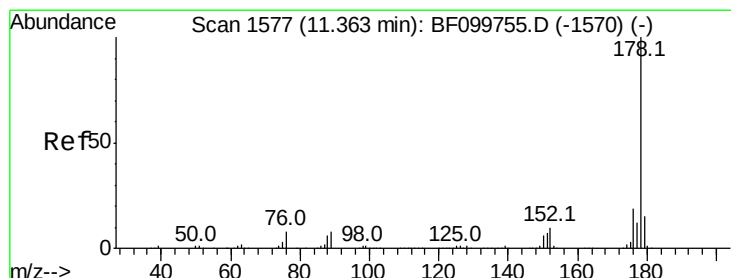
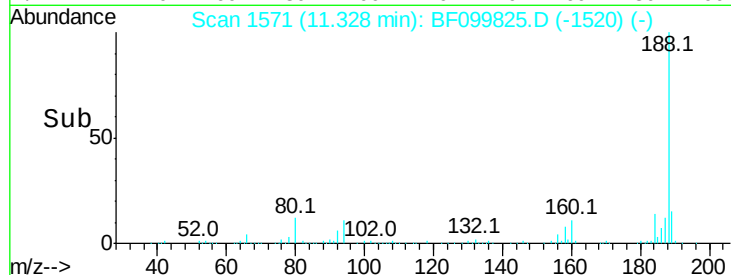
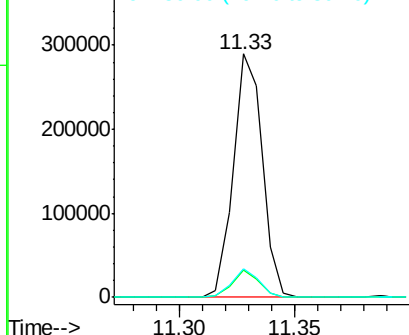
Tot Ion	Ratio	Resp	Lower	Upper
188	100	253873		
94	11.1		8.5	12.7
80	11.6		9.2	13.8

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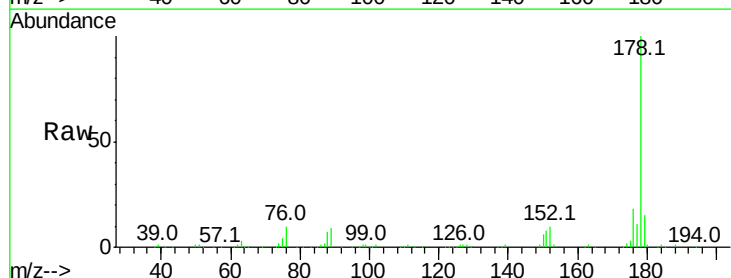


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

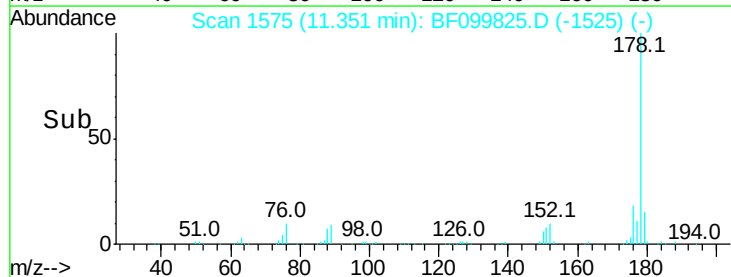
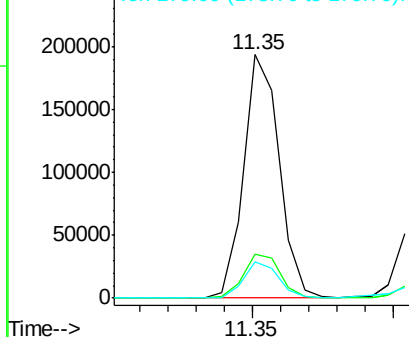


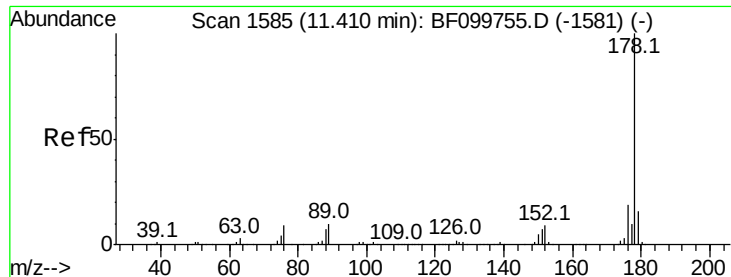
#70
Phenanthrene
Concen: 11.777 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	168734		
176	18.3		15.8	23.8
179	14.8		13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.576 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.01 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

Instrument :

BNA_F

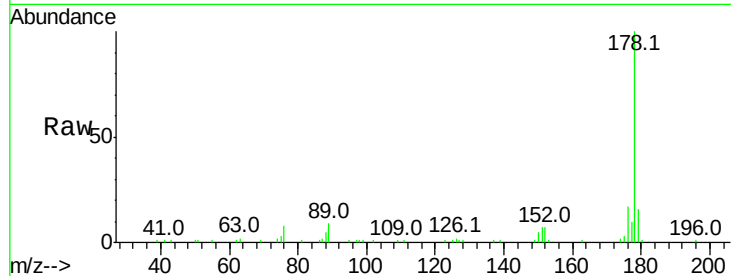
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Tot Ion	Ratio	Lower	Upper
178	100		
176	17.0	15.4	23.2
179	15.7	12.6	19.0

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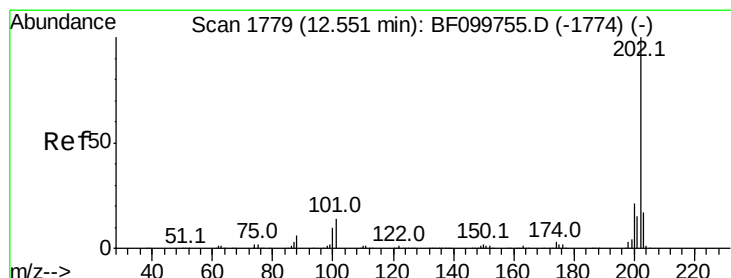
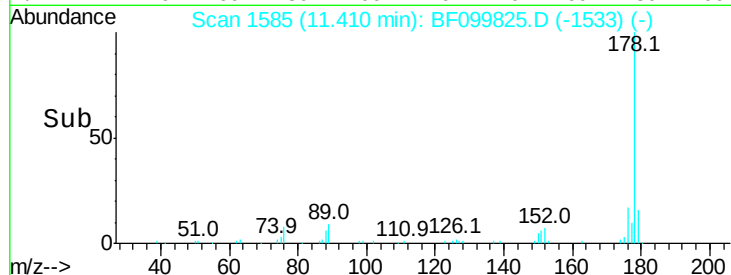
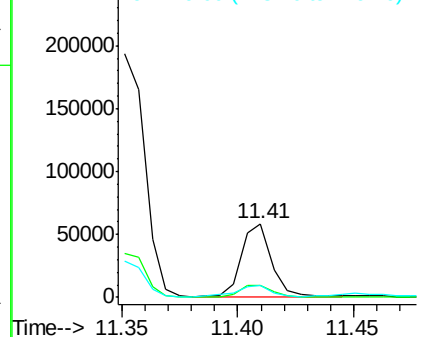


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 25.638 ng

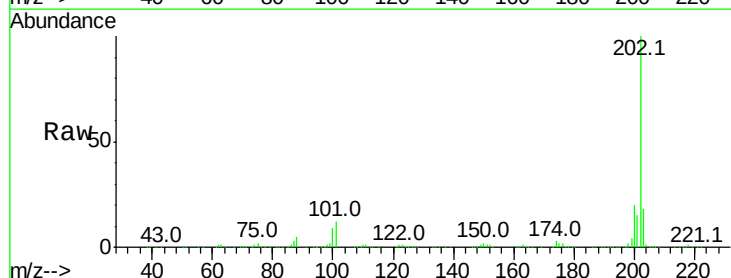
RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.1
203	17.7	0.0	38.1

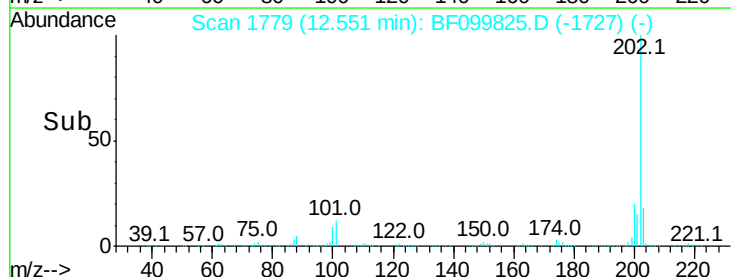
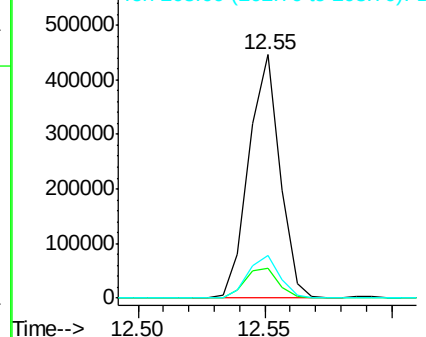


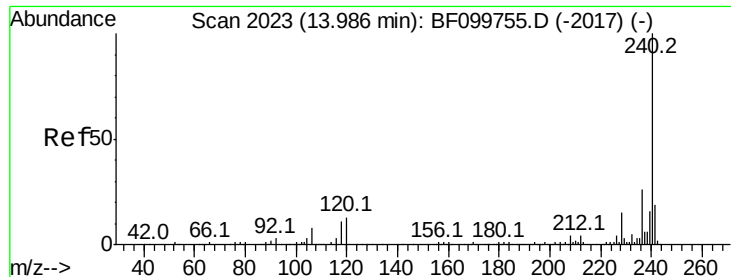
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

Instrument :

BNA_F

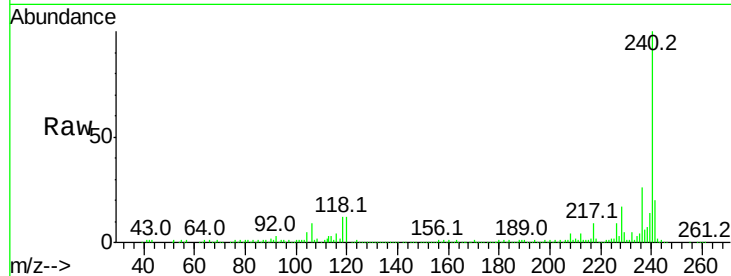
ClientSampled :

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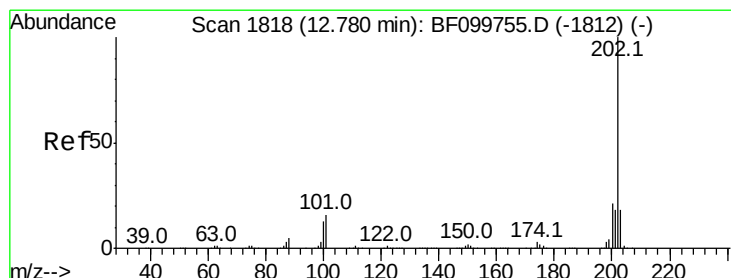
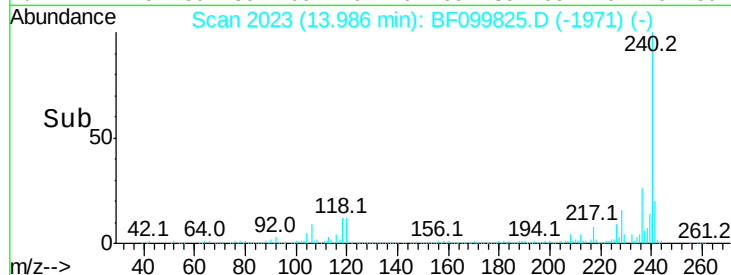
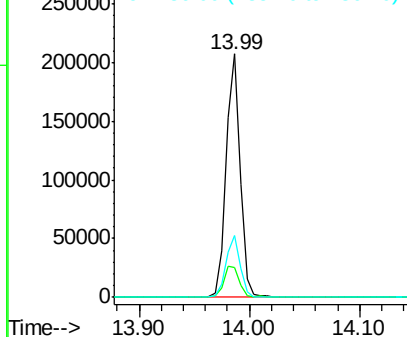
Tot Ion:	240	Resp:	185568
Ion Ratio	Lower	Upper	
240	100		
120	12.4	9.5	14.3
236	25.6	20.7	31.1

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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: 26.500 ng

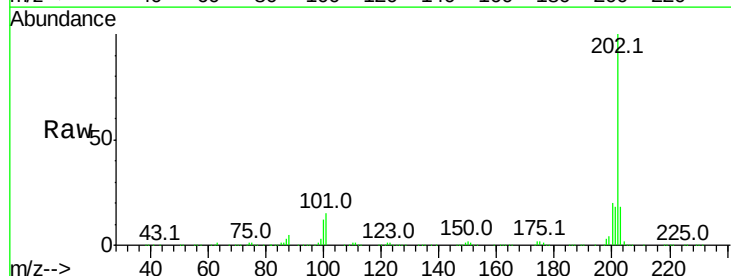
RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

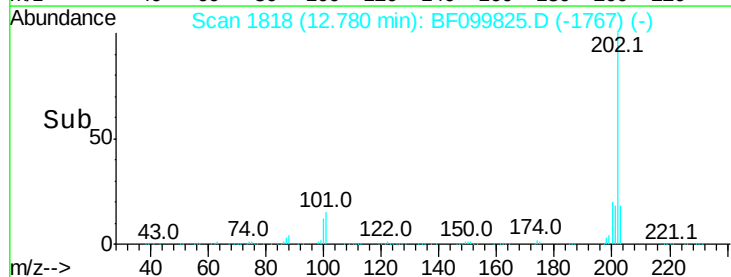
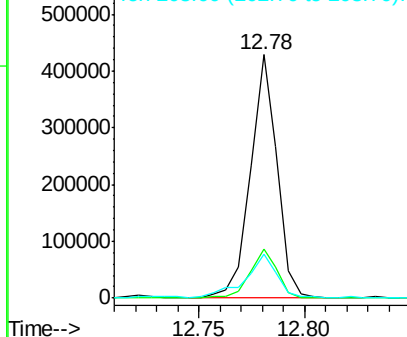
Lab File: BF099825.D

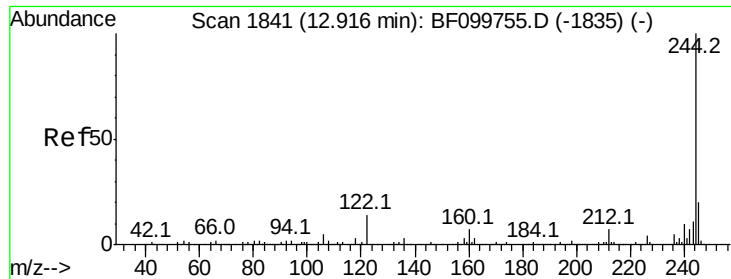
Acq: 25 Oct 2017 20:47

Tgt Ion:	202	Resp:	373928
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.4	26.2
203	18.2	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





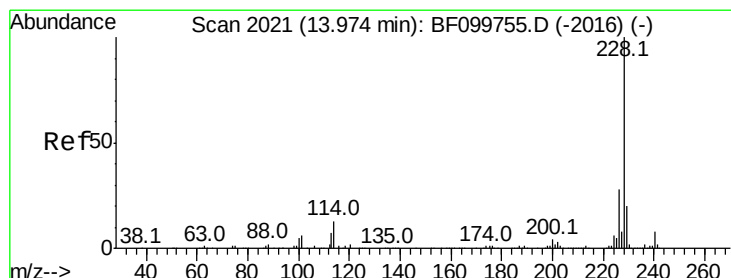
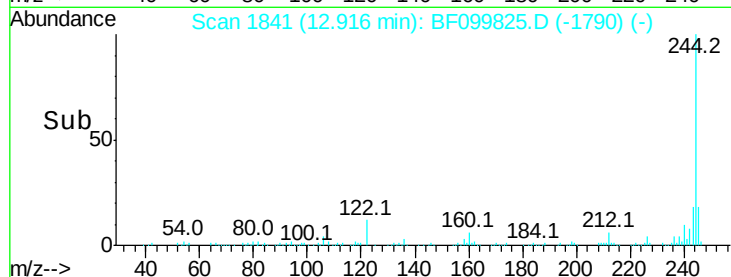
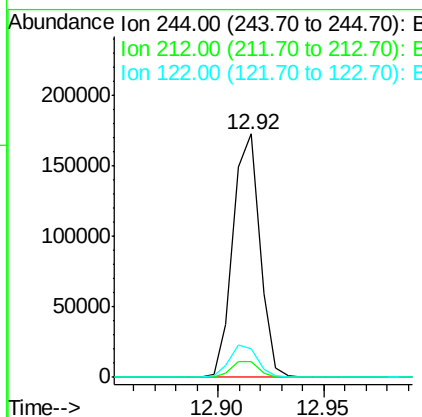
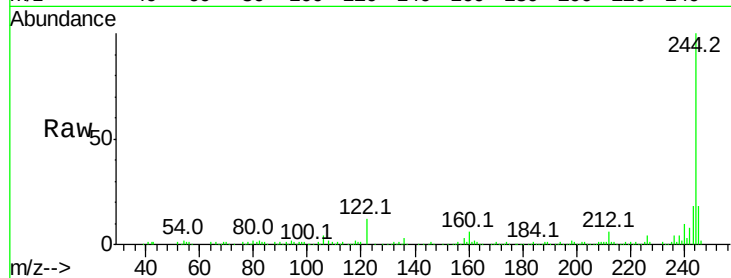
#78
 Terphenyl-d14
 Concen: 17.858 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF099825.D
 Acq: 25 Oct 2017 20:47

Instrument :
 BNA_F
 ClientSampled :
 SB-06

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	12.0	11.0	16.4

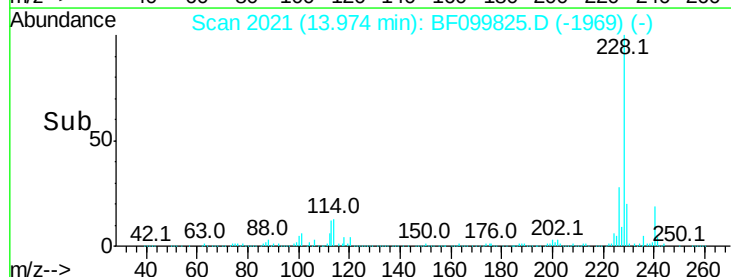
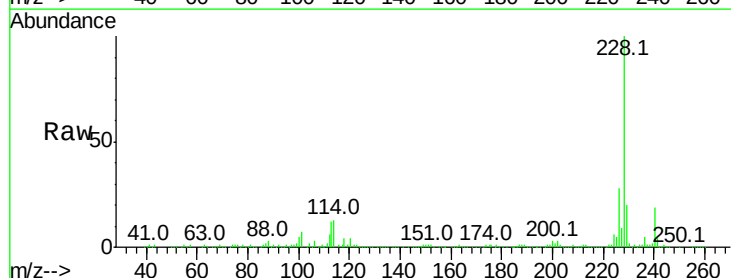
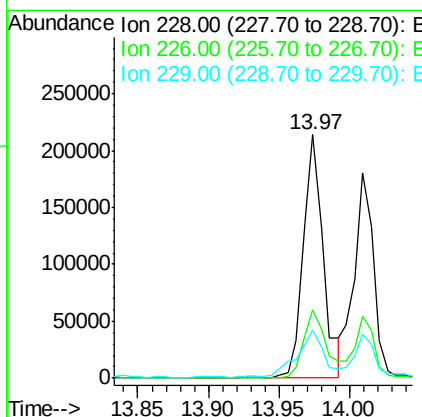
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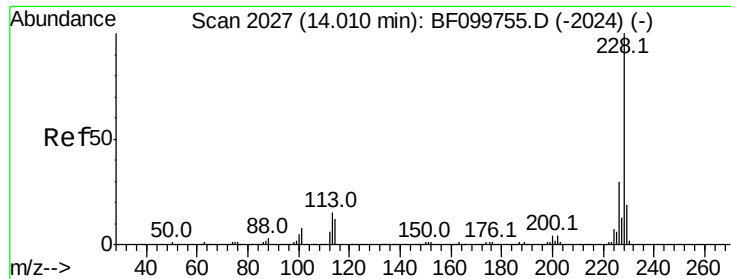
Sohil
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#80
 Benzo(a)anthracene
 Concen: 18.028 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.01 min
 Lab File: BF099825.D
 Acq: 25 Oct 2017 20:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	19.8	15.8	23.6





#82

Chrysene

Concen: 15.438 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

Instrument :

BNA_F

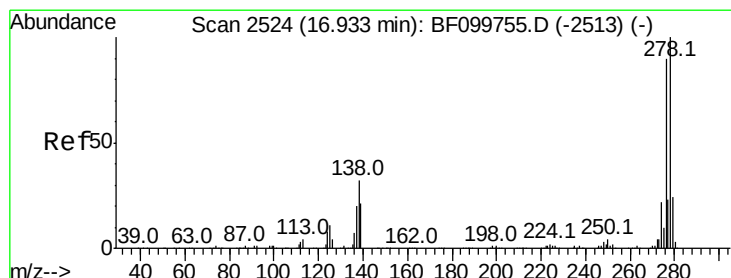
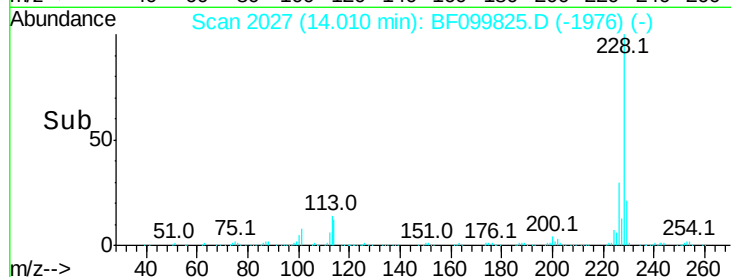
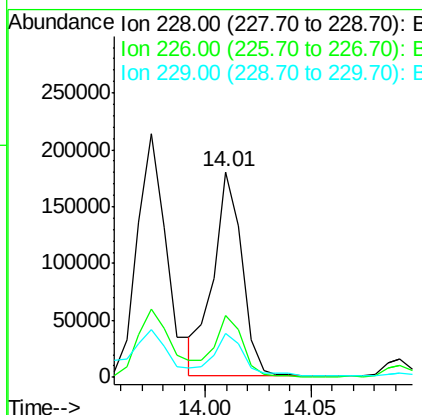
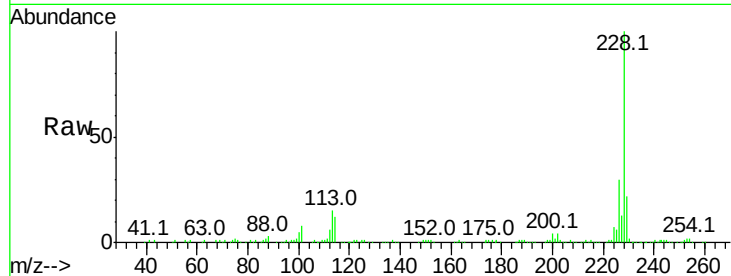
ClientSampleID :

SB-06

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	21.5	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.784 ng

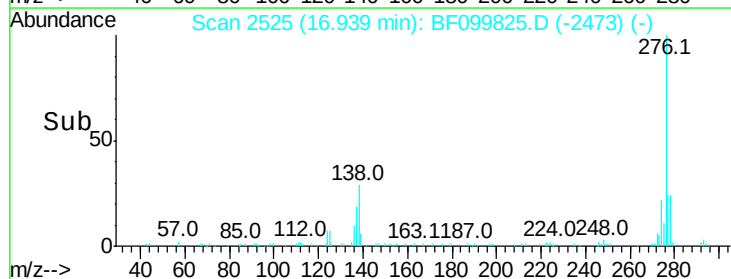
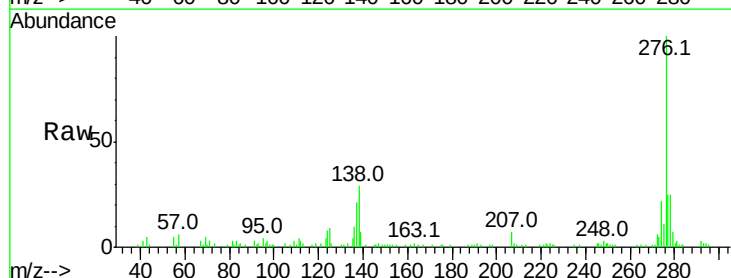
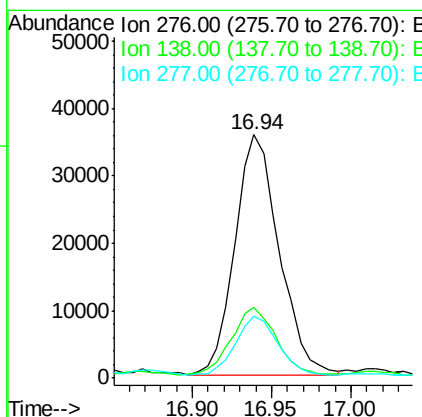
RT: 16.94 min Scan# 2525

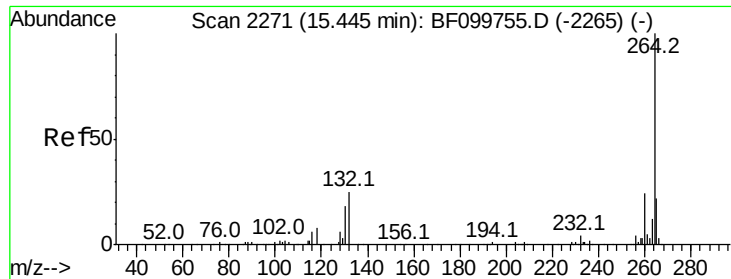
Delta R.T. 0.01 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.0	25.0	37.6
277	23.9	20.1	30.1





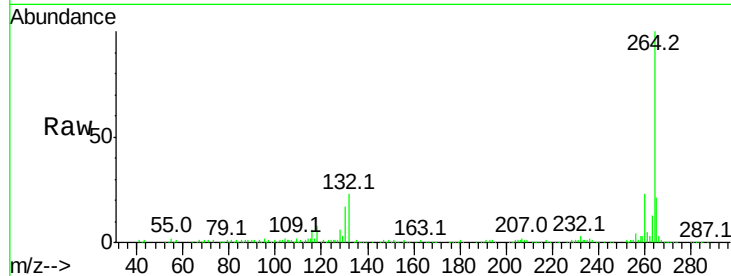
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Instrument :
BNA_F
ClientSampleId :
SB-06

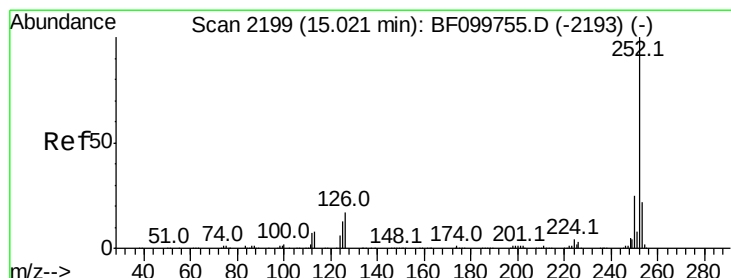
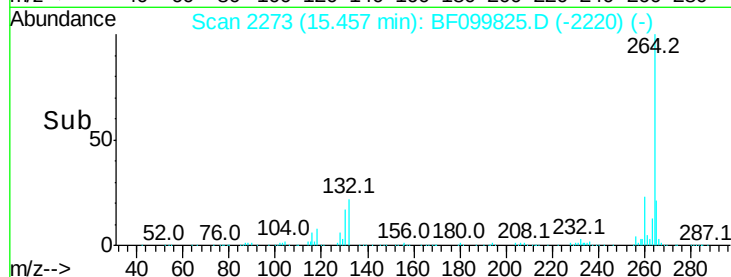
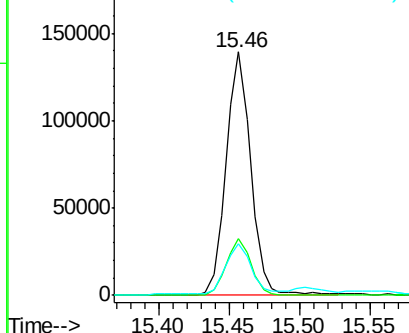
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.4	17.5	26.3

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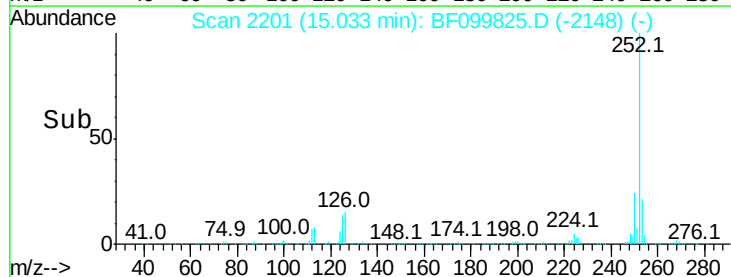
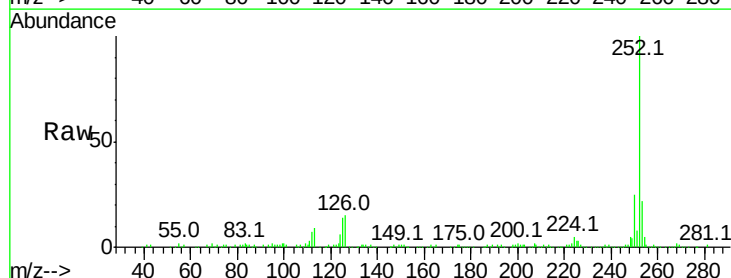
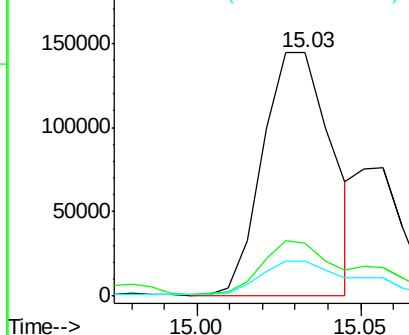
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

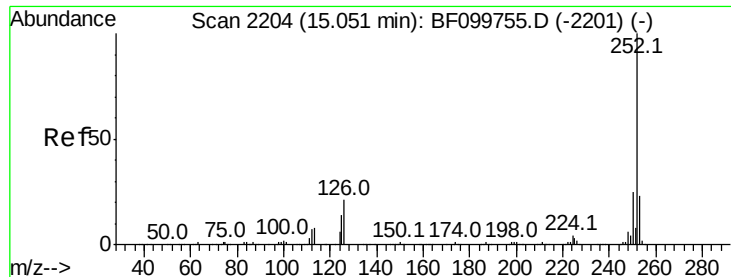


#87
Benzo(b)fluoranthene
Concen: 19.513 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	14.2	9.0	13.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





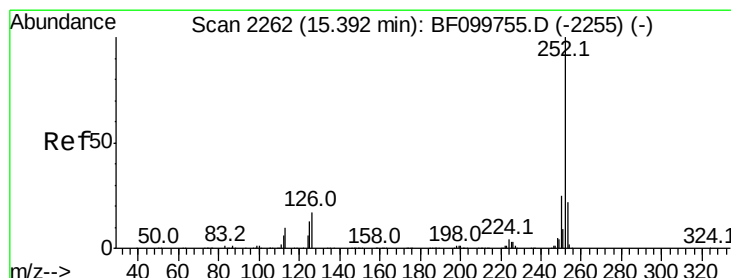
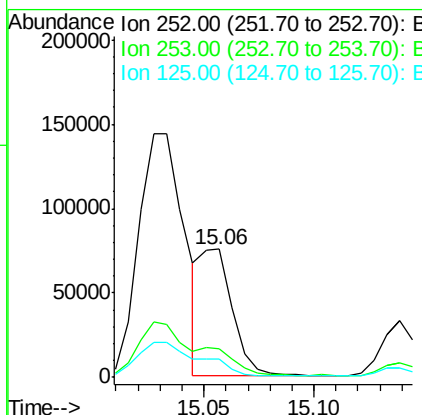
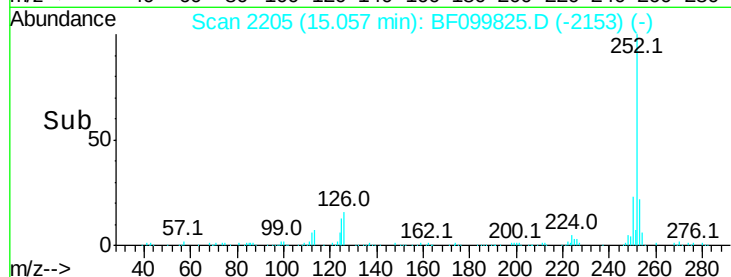
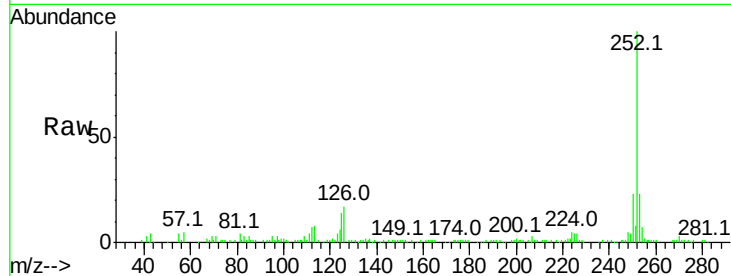
#88
Benzo(k)fluoranthene
Concen: 7.328 ng/mL
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Instrument :
BNA_F
ClientSampled :
SB-06

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	14.0	10.2	15.2

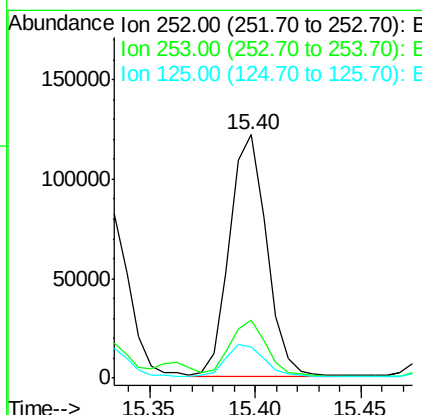
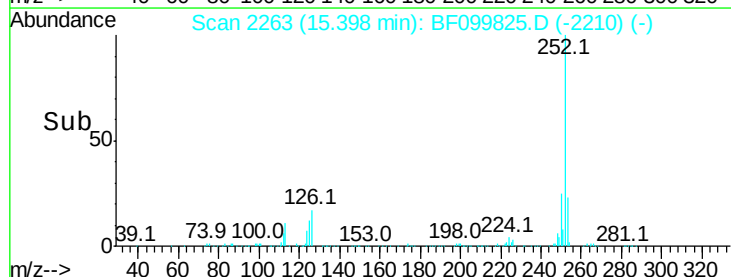
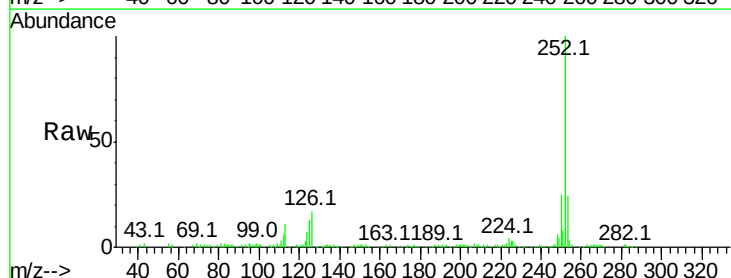
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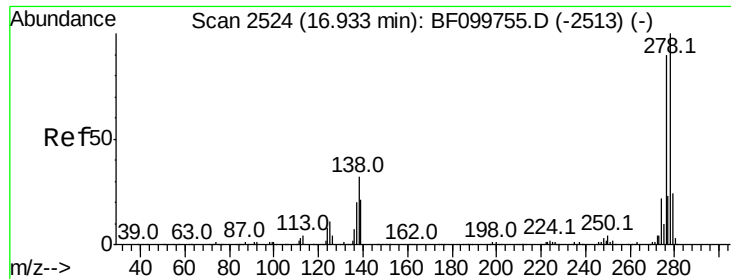
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#89
Benzo(a)pyrene
Concen: 15.450 ng/mL
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF099825.D
Acq: 25 Oct 2017 20:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	12.9	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.197 ng

RT: 16.94 min Scan# 2525

Delta R.T. 0.01 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

Instrument :

BNA_F

ClientSampled :

SB-06

Tot Ion:278 Resp: 18805

Ion Ratio Lower Upper

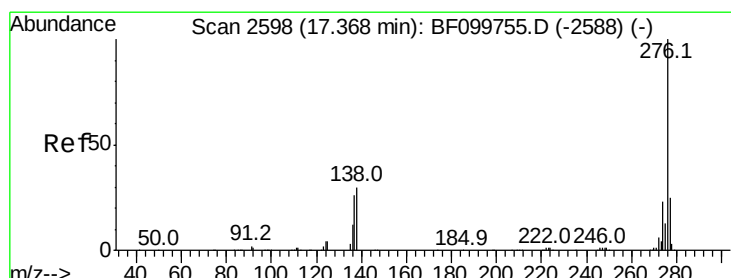
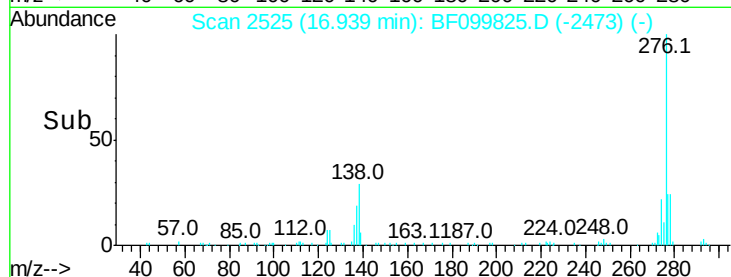
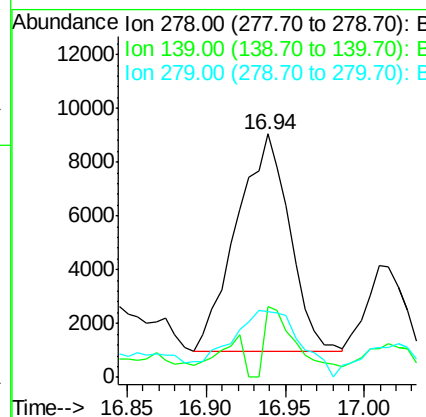
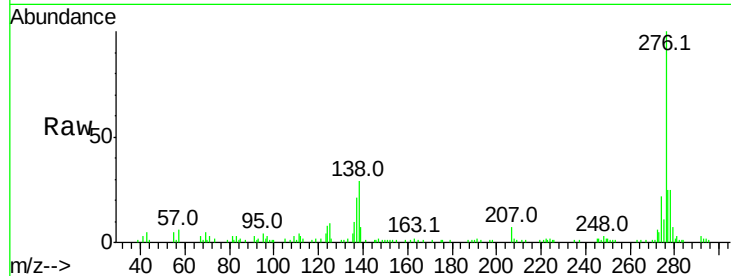
278 100

139 29.2 15.9 23.9#

279 27.0 19.0 28.4

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 7.548 ng

RT: 17.39 min Scan# 2602

Delta R.T. 0.02 min

Lab File: BF099825.D

Acq: 25 Oct 2017 20:47

Tgt Ion:276 Resp: 63219

Ion Ratio Lower Upper

276 100

277 25.6 17.9 26.9

138 30.3 21.8 32.8

