

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099292.D
 Acq On : 10 Oct 2017 11:03
 Operator : SJ/JU
 Sample : I5715-10 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-D

Manual Integrations
 APPROVED

Sohil

Quant Time: Oct 10 16:15:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

10/11/2017 7:23:37 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	76301	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	315384	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	144736	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	265922	20.00	ng	0.00
75) Chrysene-d12	14.03	240	161171	20.00	ng	0.00
86) Perylene-d12	15.50	264	142853	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	287926	60.07	ng	0.00
7) Phenol-d6	6.49	99	355754	60.17	ng	0.00
23) Nitrobenzene-d5	7.42	82	205366	41.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	67907	57.34	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	430724	49.68	ng	-0.01
78) Terphenyl-d14	12.97	244	388146	54.77	ng	0.00
Target Compounds						
48) Acenaphthylene	9.76	152	28602	2.001	ng	99
49) Dimethylphthalate	9.61	163	71149	6.513	ng	100
57) Fluorene	10.45	166	30590	3.156	ng	97
70) Phenanthrene	11.41	178	275324	19.343	ng	97
71) Anthracene	11.46	178	110581	7.593	ng	96
74) Fluoranthene	12.60	202	663674	46.045	ng	98
77) Pyrene	12.83	202	581147	47.287	ng	99
80) Benzo(a)anthracene	14.02	228	296649	30.397	ng	99
82) Chrysene	14.06	228	246286	26.507	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	132982	17.892	ng	98
87) Benzo(b)fluoranthene	15.07	252	327025m	37.233	ng	
88) Benzo(k)fluoranthene	15.10	252	85268m	9.829	ng	
89) Benzo(a)pyrene	15.44	252	211045	26.177	ng	# 96
90) Dibenzo(a,h)anthracene	16.99	278	41233m	6.390	ng	
91) Benzo(a,h,i)perylene	17.44	276	123499	19.364	ng	98

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

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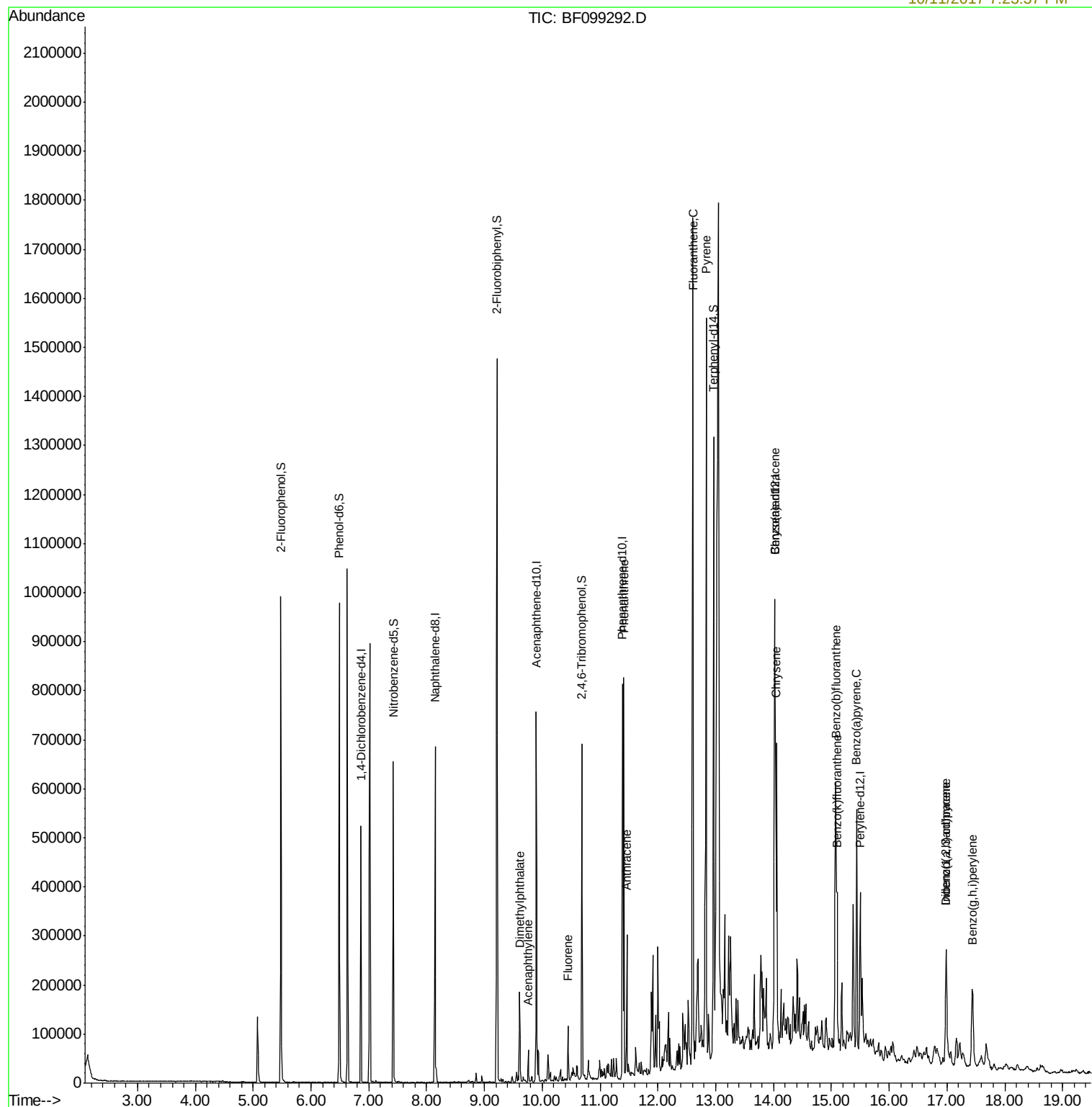
Instrument :
BNA_F
ClientSampleId :
PL-02-100517-D

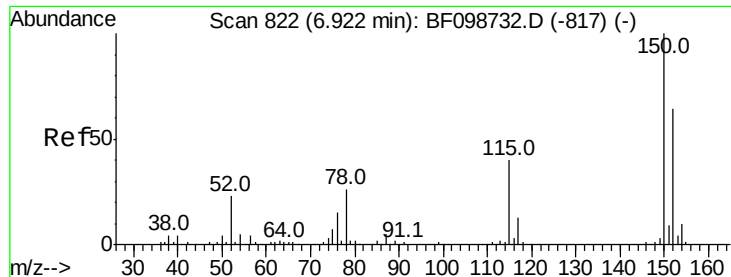
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#1

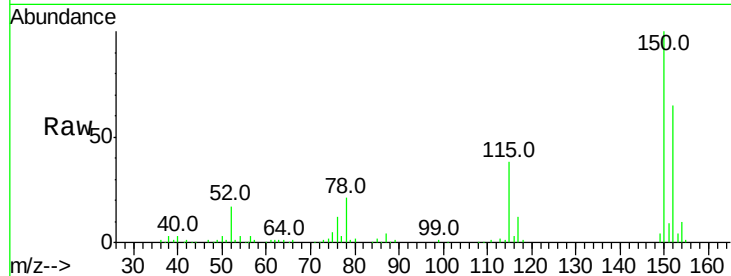
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	58.2	50.1	75.1

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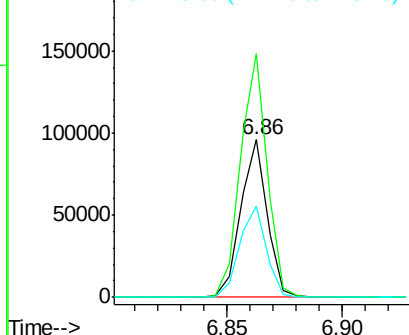


Abundance

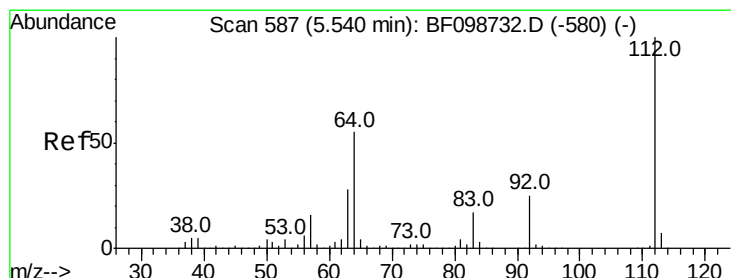
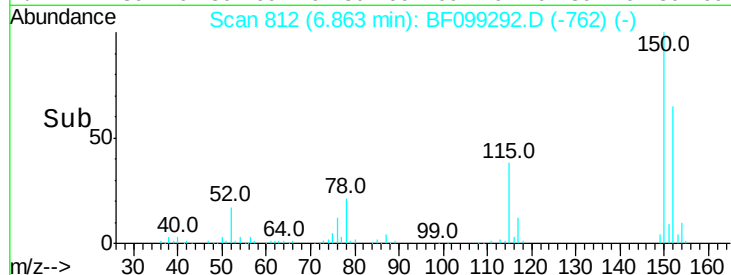
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



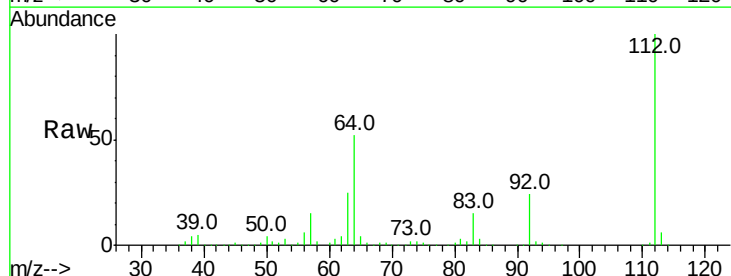
10/11/2017 7:23:37 PM



#5

2-Fluorophenol
Concen: 60.071 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	47.9	71.9
63	25.4	23.7	35.5

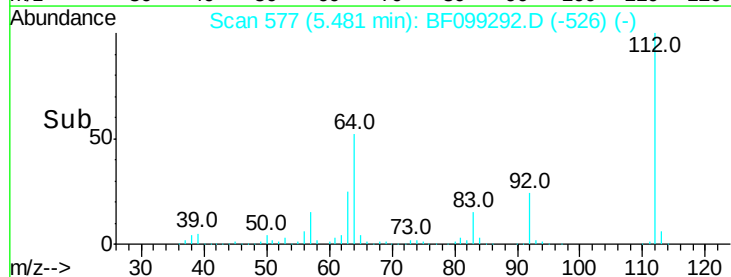
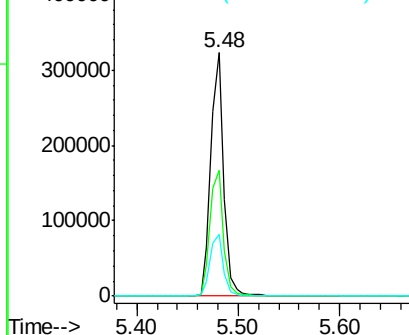


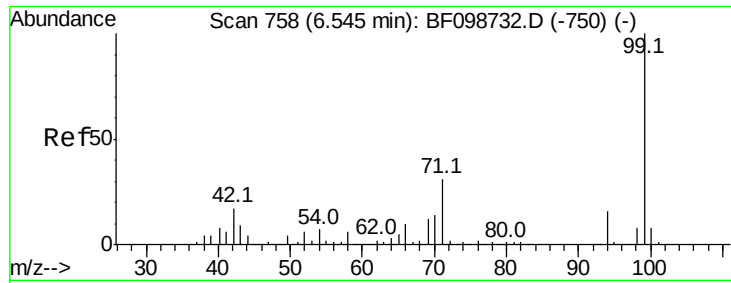
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 60.167 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

Instrument :

BNA_F

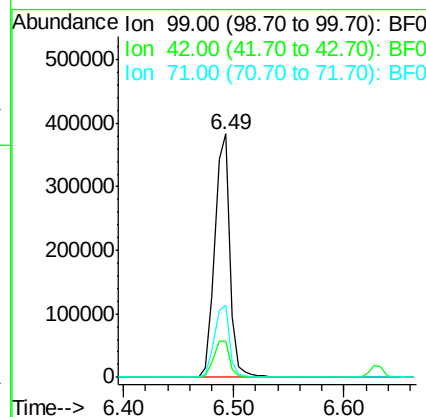
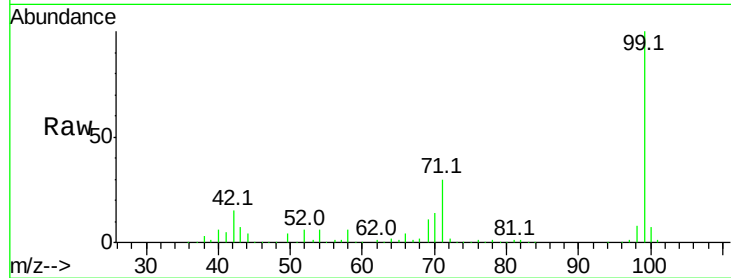
ClientSampleId :

PL-02-100517-D

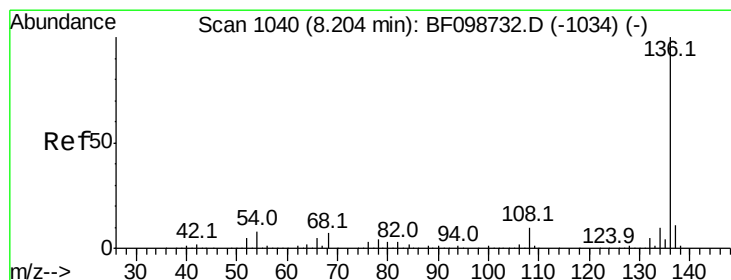
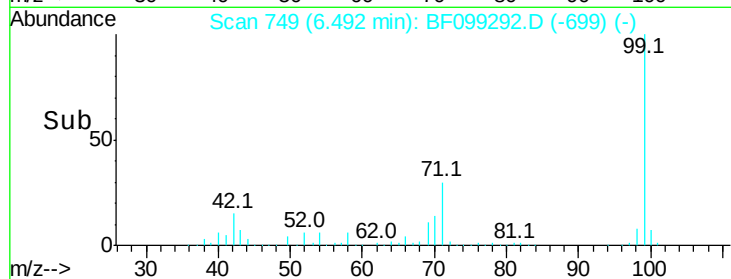
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		355754		
42	14.8	14.5	21.7		
71	29.7	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

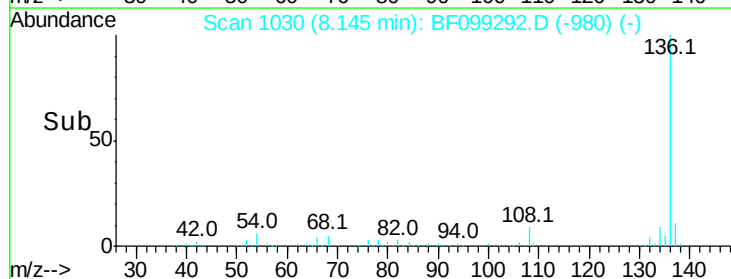
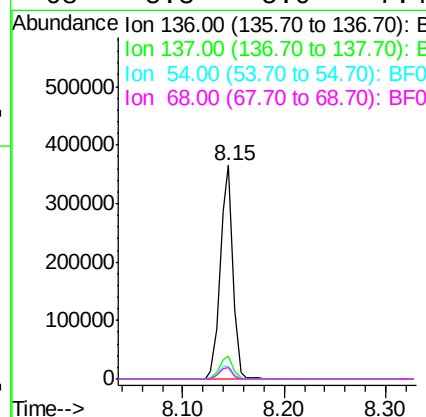
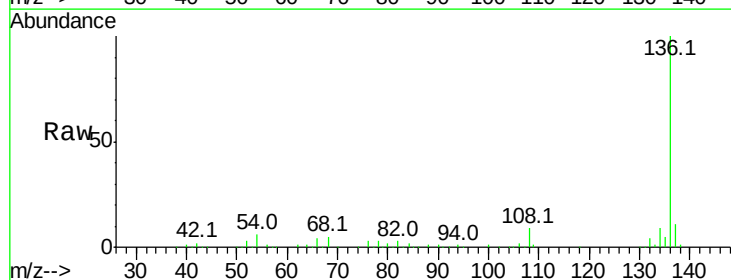
RT: 8.15 min Scan# 1030

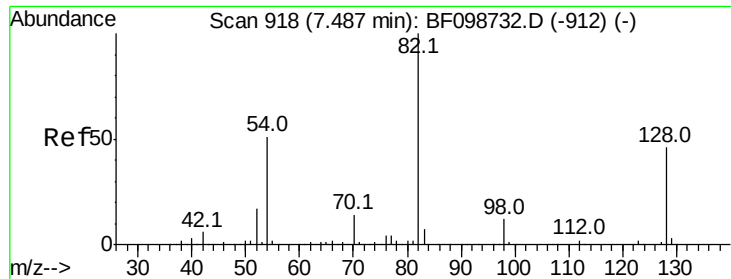
Delta R.T. -0.01 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		315384		
137	10.7	8.9	13.3		
54	6.3	6.6	9.8		
68	5.3	5.0	7.4		





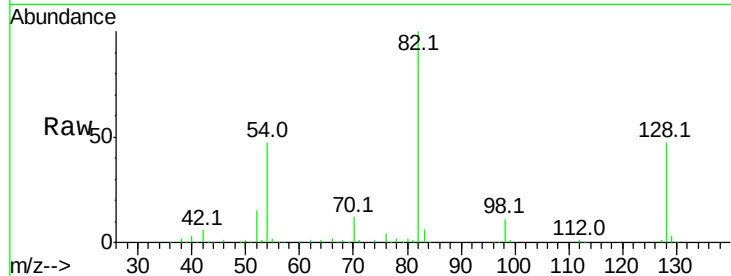
#23
Nitrobenzene-d5
Concen: 41.759 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-D

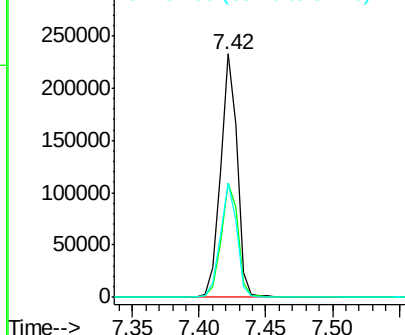
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	47.2	41.4	62.2

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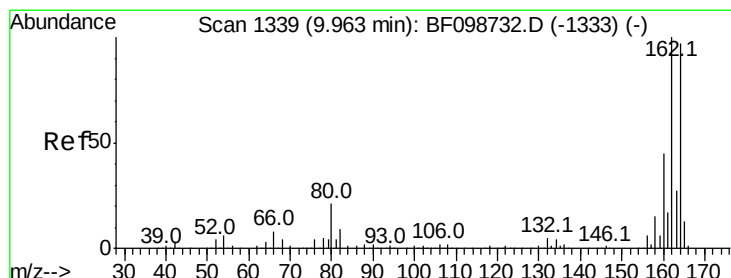
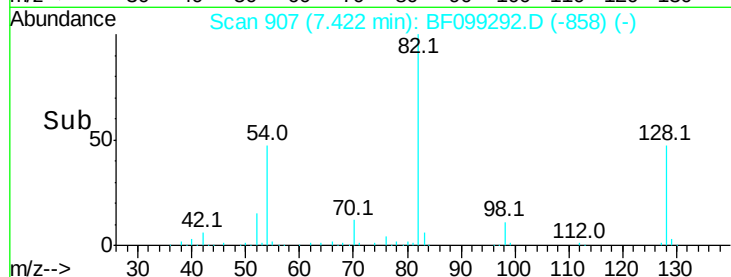
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

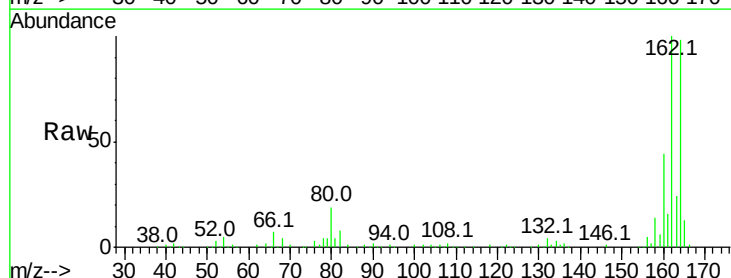


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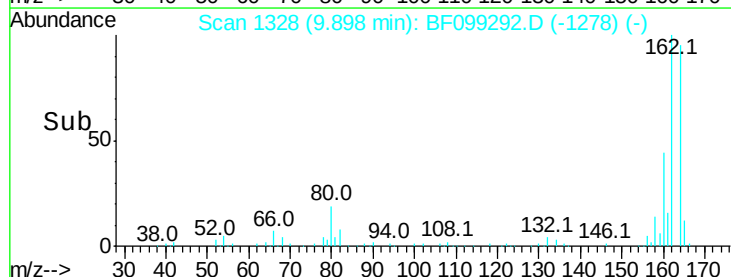
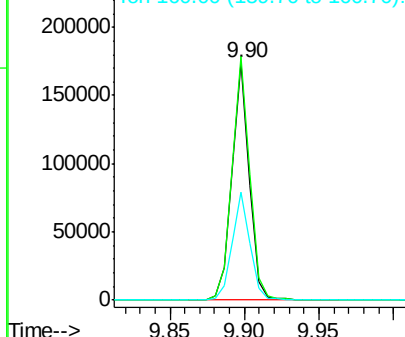


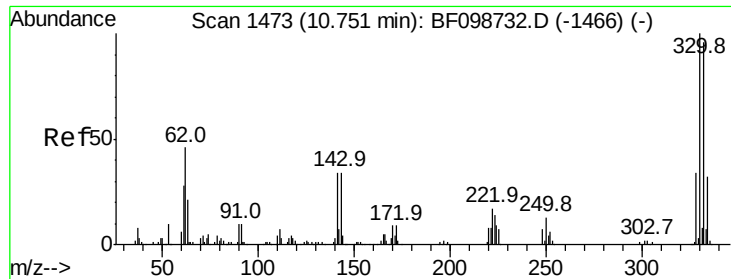
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	45.3	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





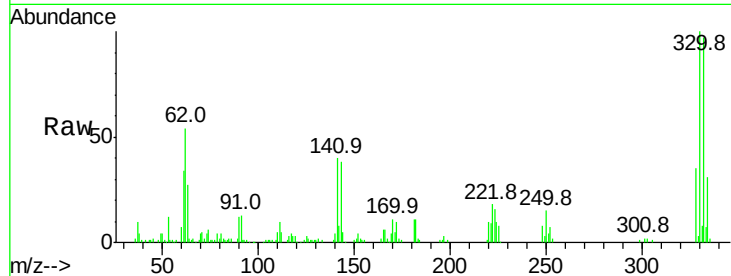
#41
 2,4,6-Tribromophenol
 Concen: 57.338 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099292.D
 Acq: 10 Oct 2017 11:03

Instrument :
 BNA_F
 ClientSampled :
 PL-02-100517-D

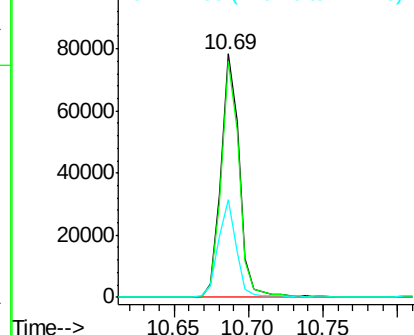
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.6
141	39.1	29.9	44.9

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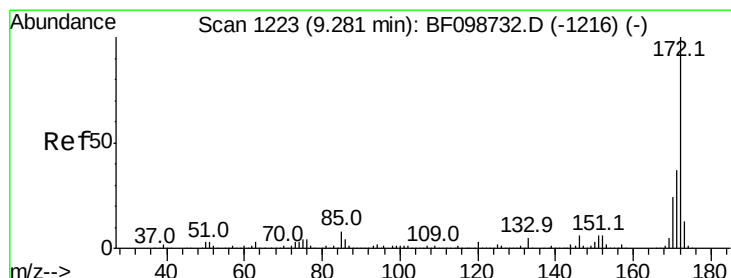
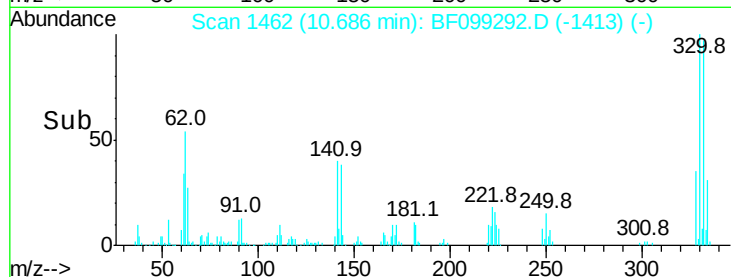
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Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

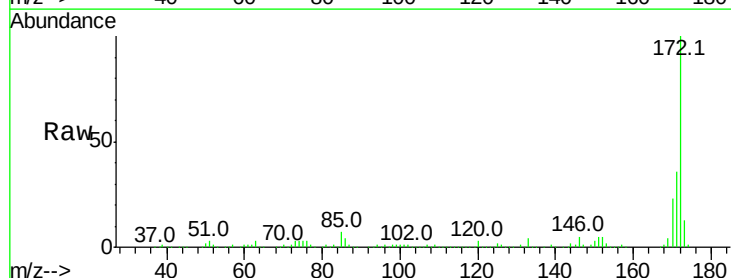


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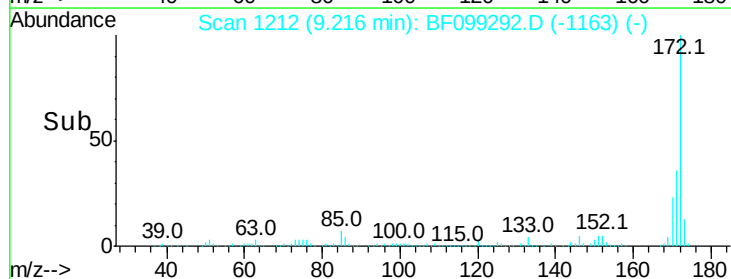
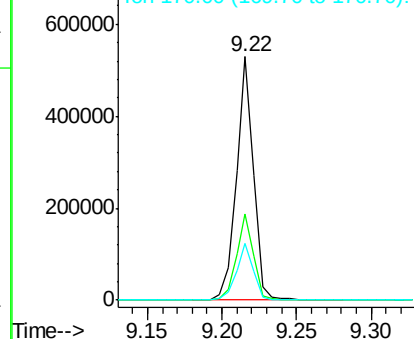


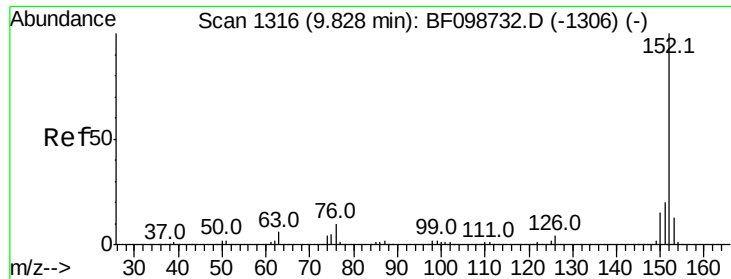
#44
 2-Fluorobiphenyl
 Concen: 49.681 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099292.D
 Acq: 10 Oct 2017 11:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.3	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





#48

Acenaphthylene

Concen: 2.001 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

Instrument :

BNA_F

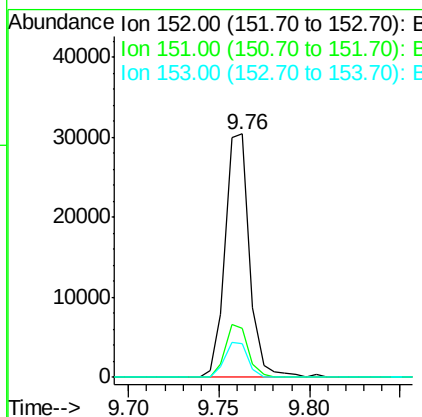
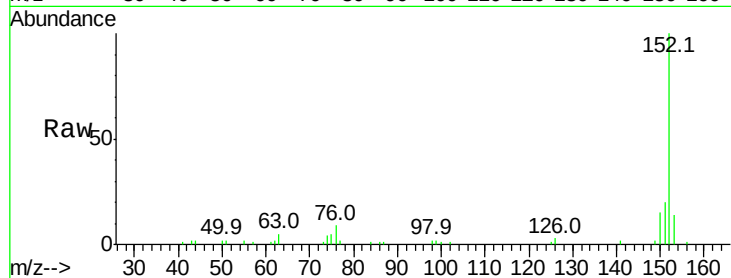
ClientSampleId :

PL-02-100517-D

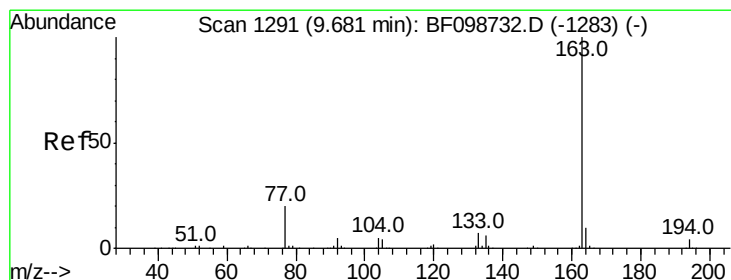
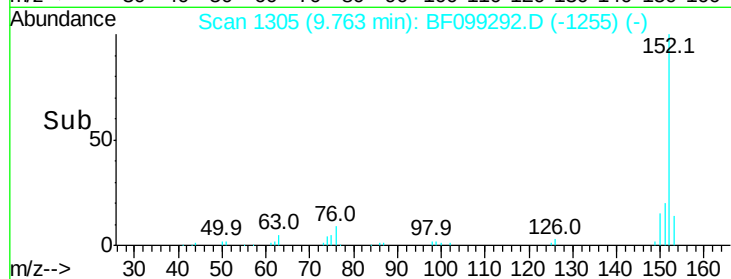
Tot Ion:	152	Resp:	28602
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	13.7	10.7	16.1

Manual Integrations
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#49

Dimethylphthalate

Concen: 6.513 ng

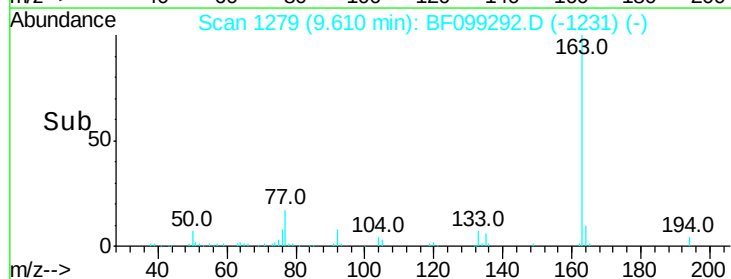
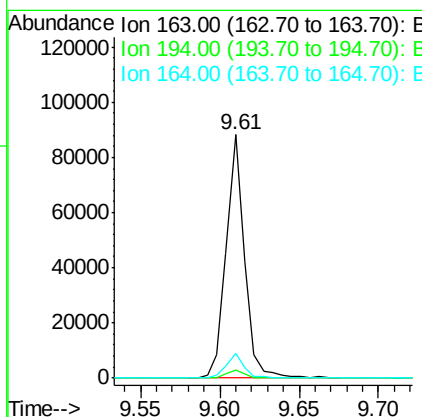
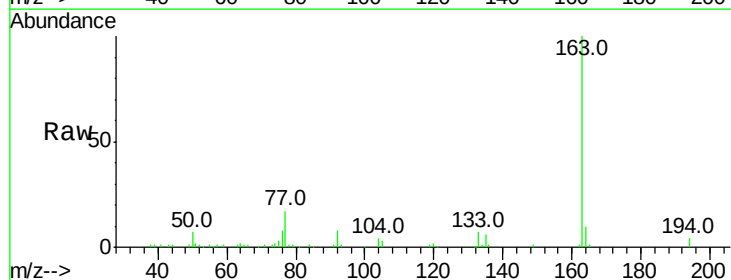
RT: 9.61 min Scan# 1279

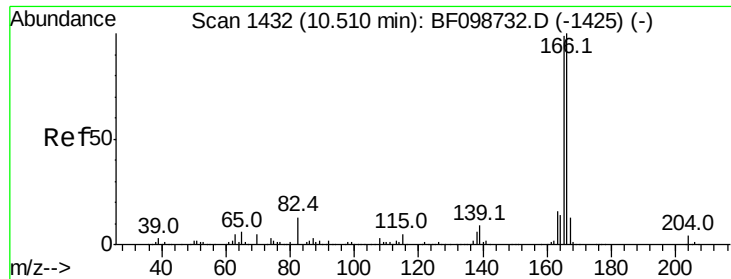
Delta R.T. -0.02 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

Tgt Ion:	163	Resp:	71149
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	10.4	8.2	12.2





#57
 Fluorene
 Concen: 3.156 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF099292.D
 Acq: 10 Oct 2017 11:03

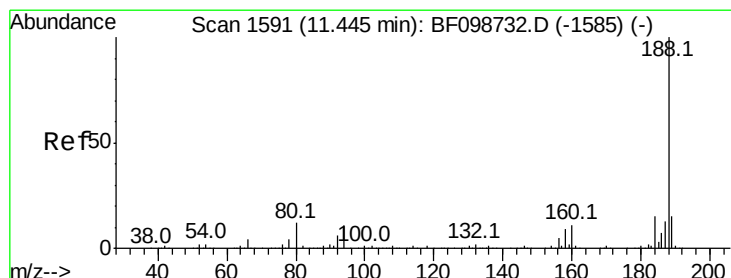
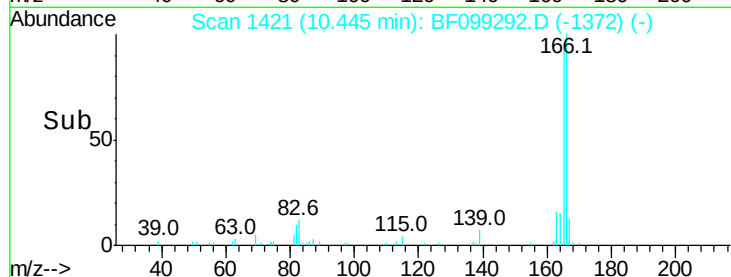
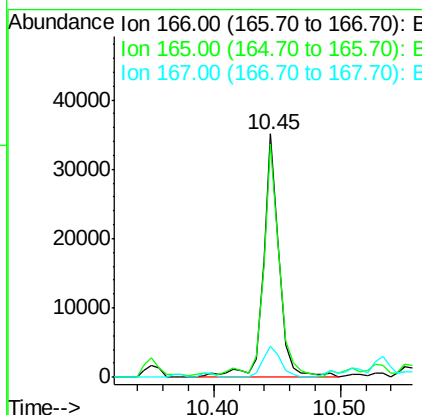
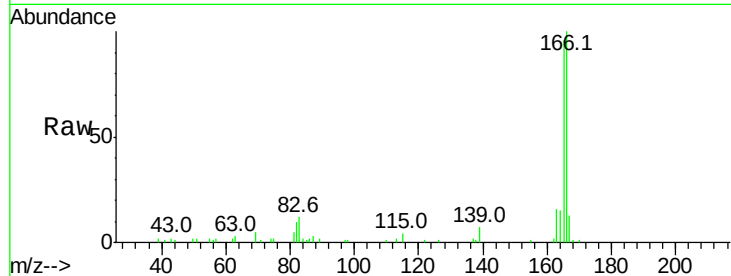
Instrument :
 BNA_F
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 PL-02-100517-D

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.0	79.8	119.8
167	12.8	10.6	16.0

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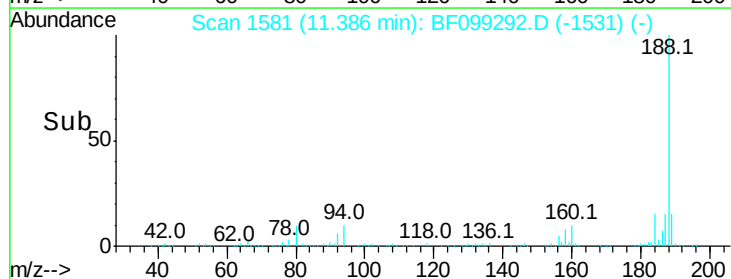
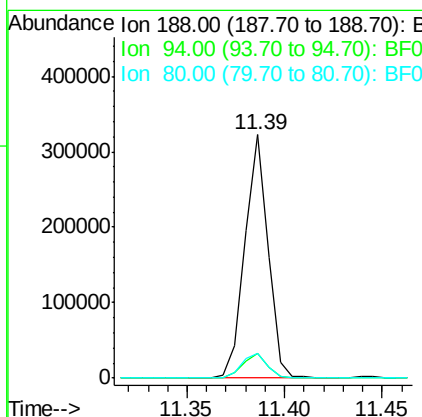
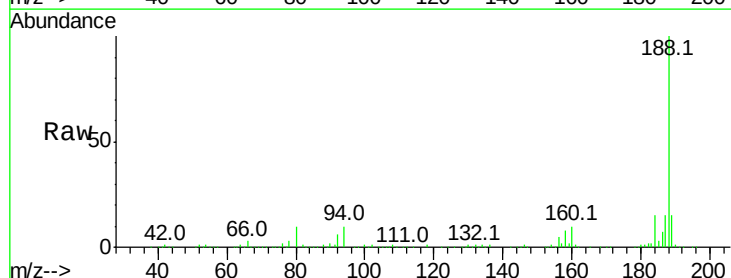
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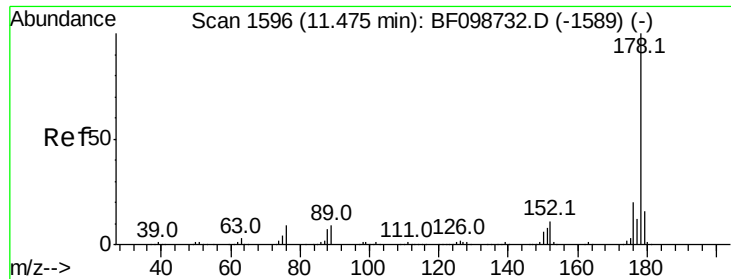
10/11/2017 7:23:37 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099292.D
 Acq: 10 Oct 2017 11:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.3	9.2	13.8





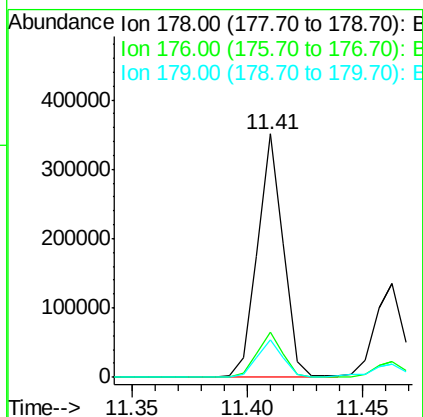
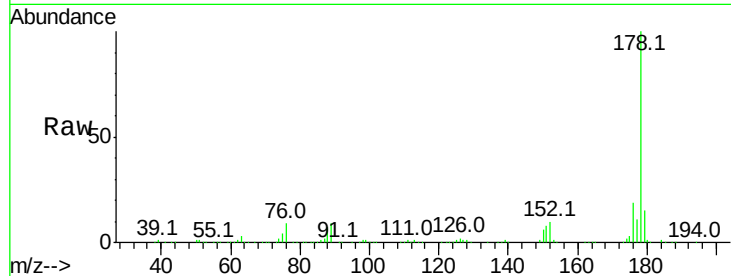
#70
Phenanthrene
Concen: 19.343 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-D

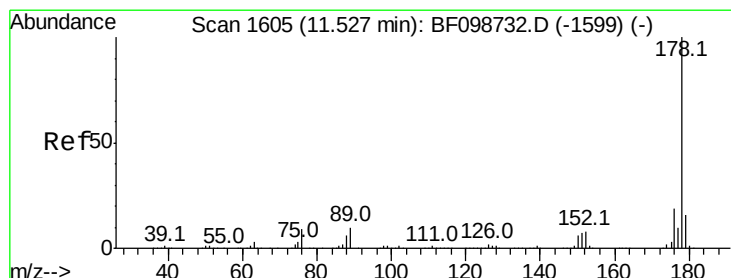
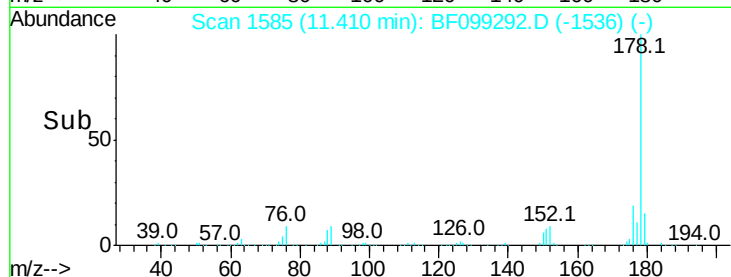
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.2	13.0	19.6

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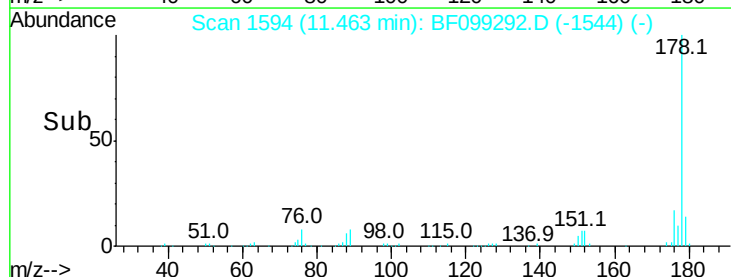
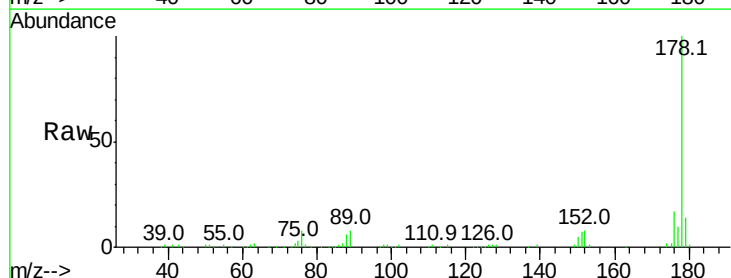
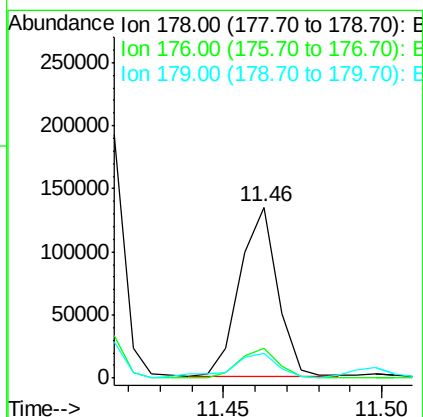


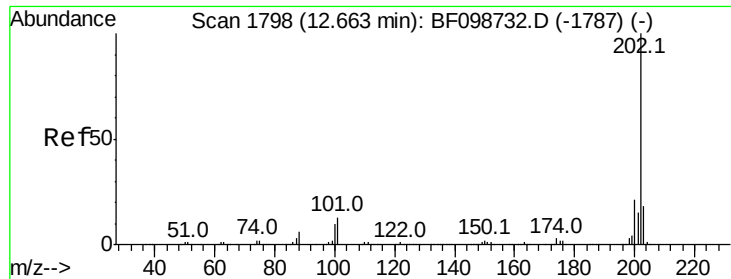
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#71
Anthracene
Concen: 7.593 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.4	23.2
179	14.3	12.6	19.0





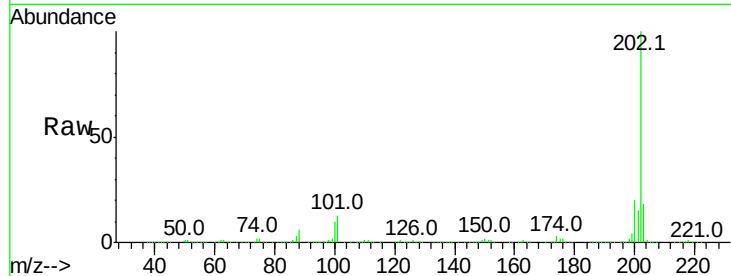
#74
Fluoranthene
Concen: 46.045 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-D

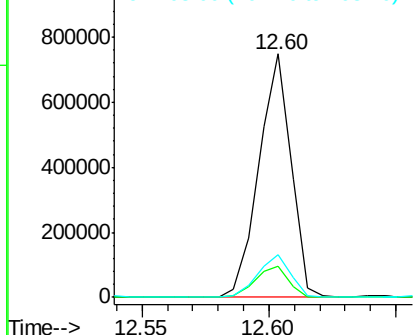
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.9	0.0	34.1
203	17.7	0.0	38.1

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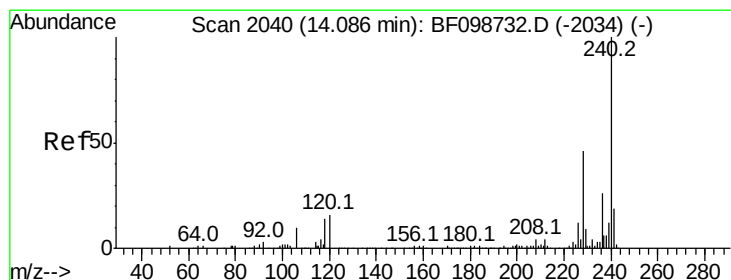
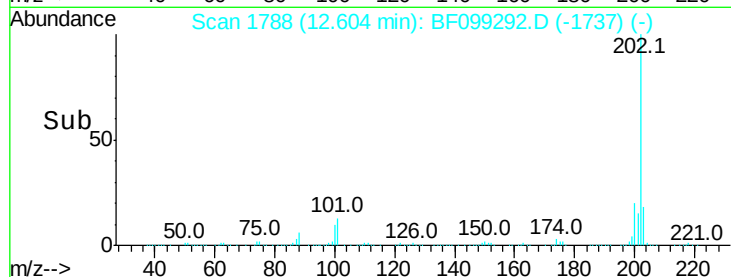
Sohil



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



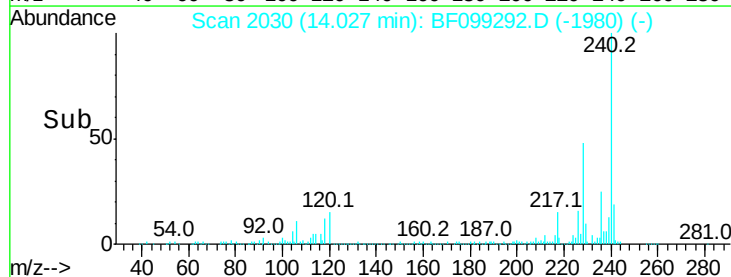
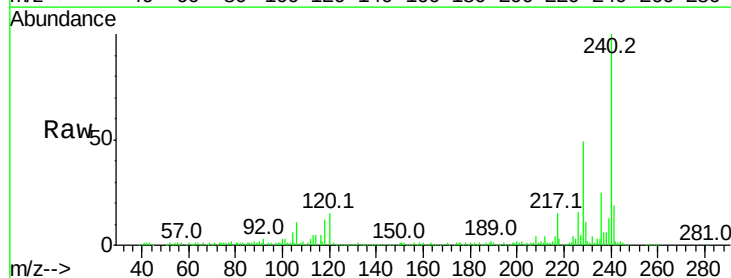
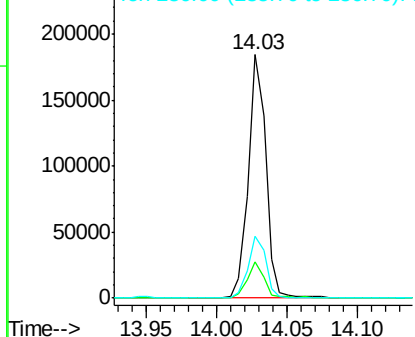
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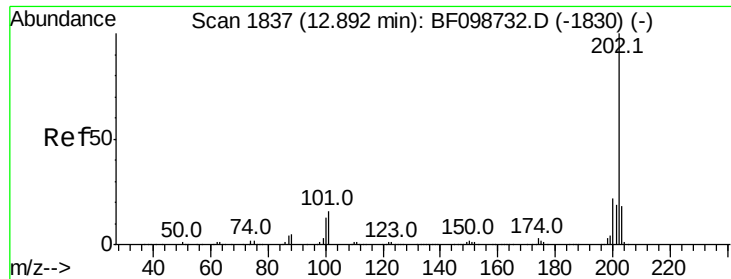


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.9	9.5	14.3#
236	25.2	20.7	31.1

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

Pvrene

Concen: 47.287 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

Instrument :

BNA_F

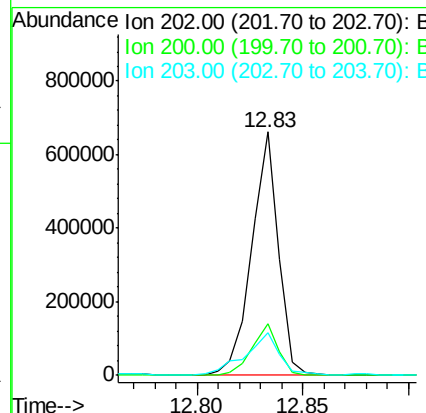
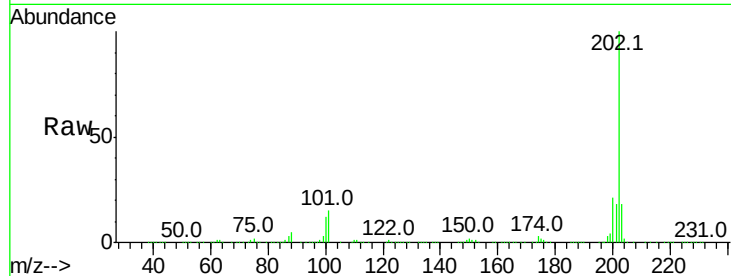
ClientSampleId :

PL-02-100517-D

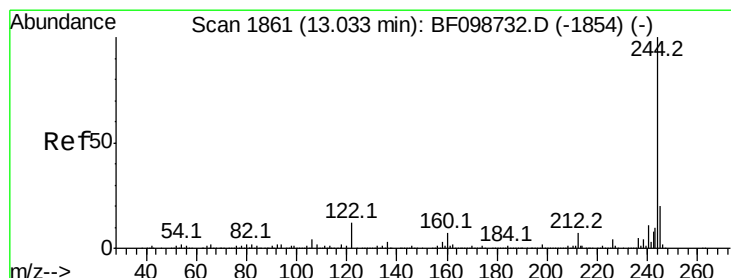
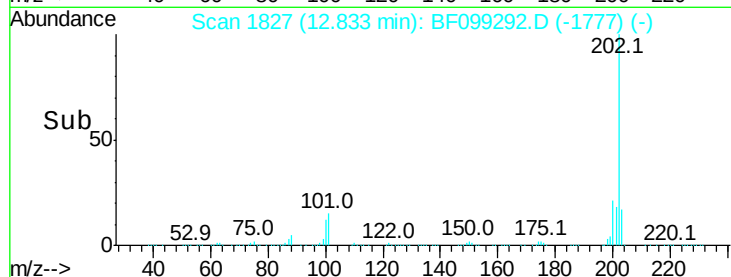
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.7	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 54.769 ng

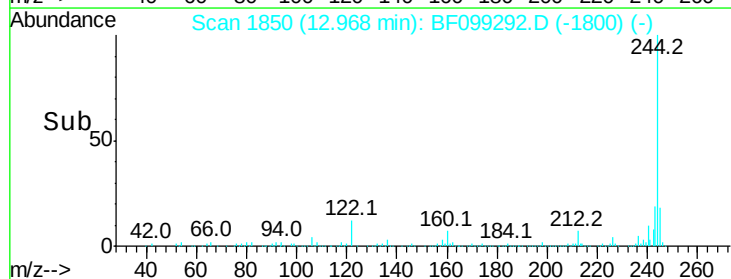
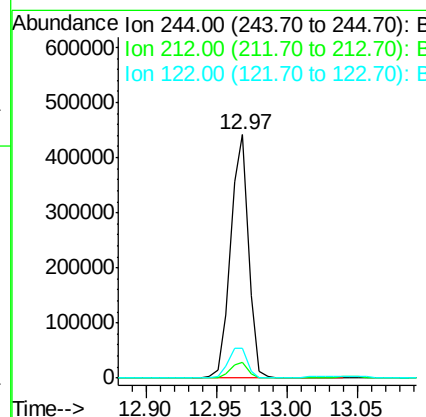
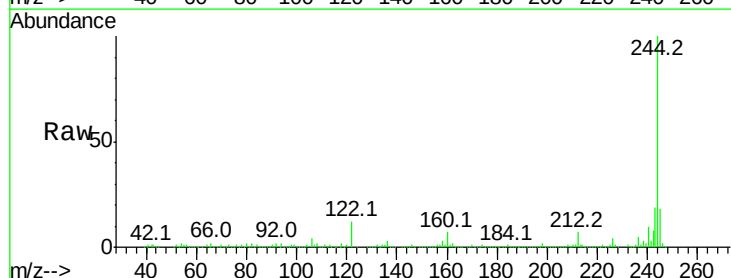
RT: 12.97 min Scan# 1850

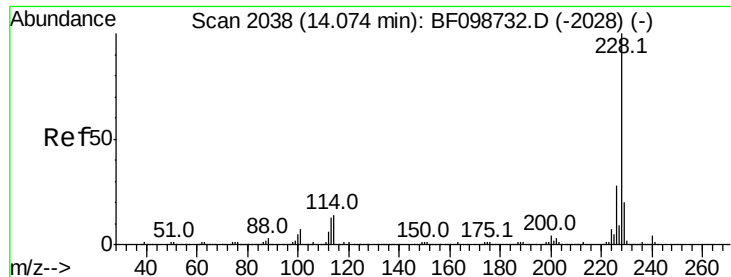
Delta R.T. -0.01 min

Lab File: BF099292.D

Acq: 10 Oct 2017 11:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.4	11.0	16.4





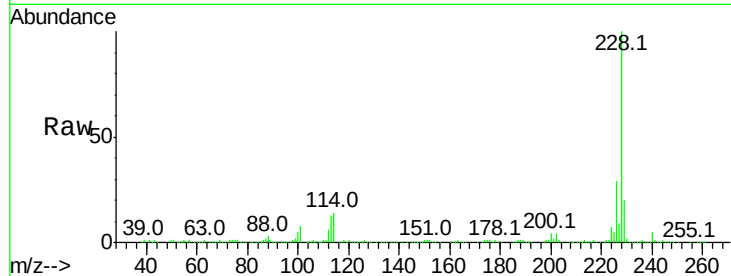
#80
Benzo(a)anthracene
Concen: 30.397 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-D

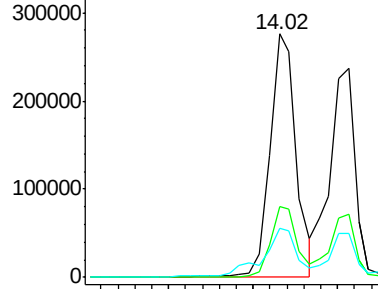
Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		296649		
226	28.9	22.6	33.8		
229	20.2	15.8	23.6		

Manual Integrations
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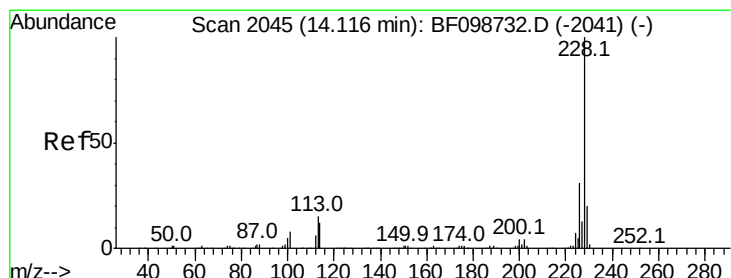
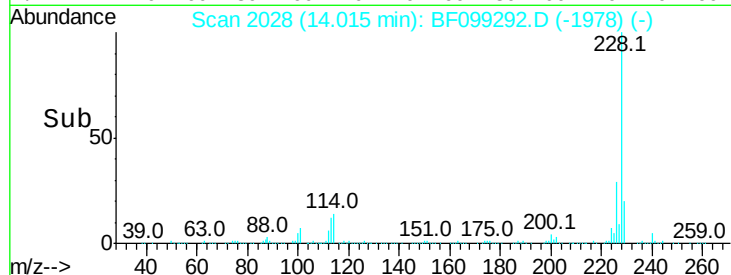
Sohil



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

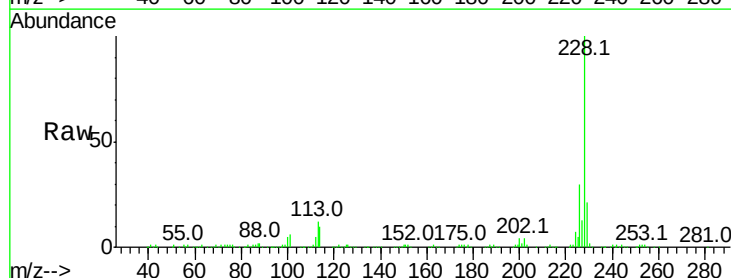


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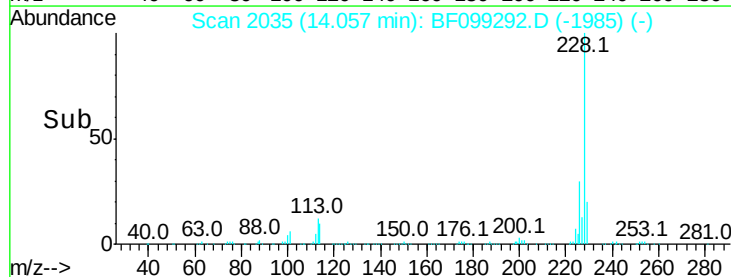
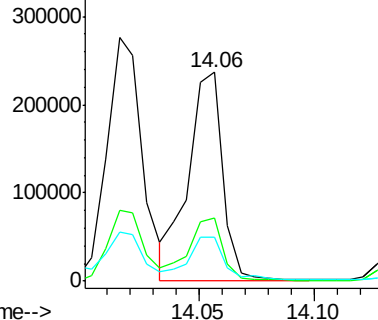


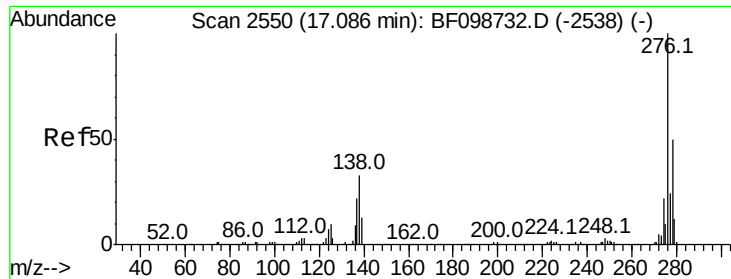
#82
Chrysene
Concen: 26.507 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		246286		
226	30.3	25.0	37.6		
229	20.9	16.2	24.4		



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





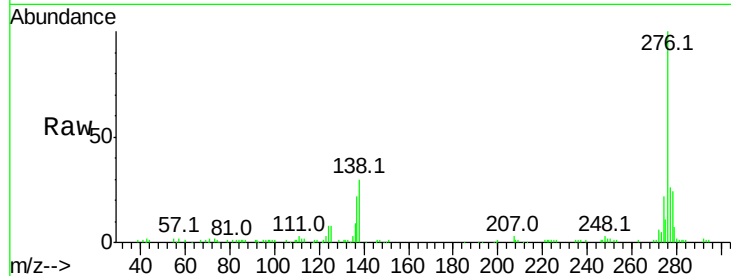
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.892 ng
 RT: 16.99 min Scan# 2533
 Delta R.T. -0.01 min
 Lab File: BF099292.D
 Acq: 10 Oct 2017 11:03

Instrument :
 BNA_F
 ClientSampleID :
 PL-02-100517-D

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.9	25.0	37.6
277	24.3	20.1	30.1

Manual Integrations
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Sohil

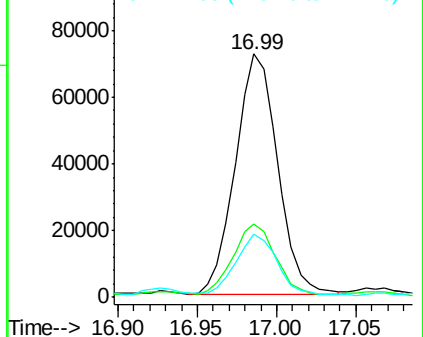


Abundance

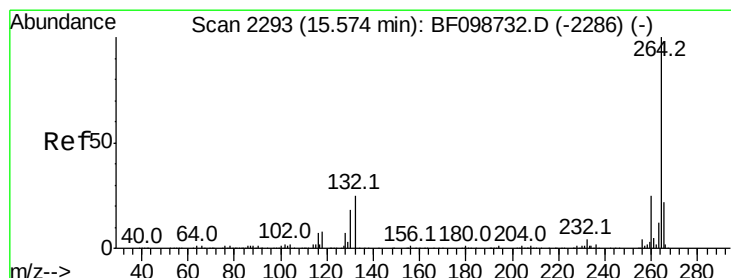
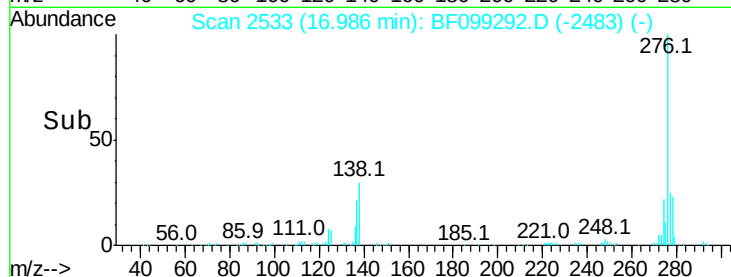
Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

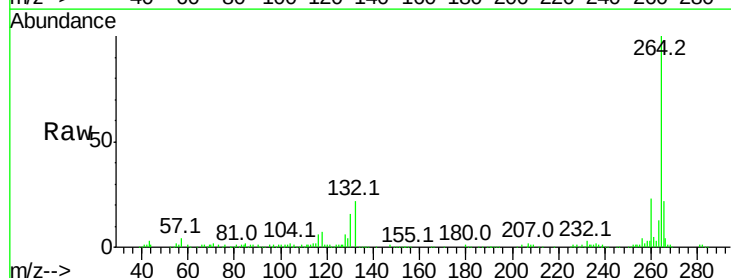


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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: BF099292.D
 Acq: 10 Oct 2017 11:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.9	17.5	26.3

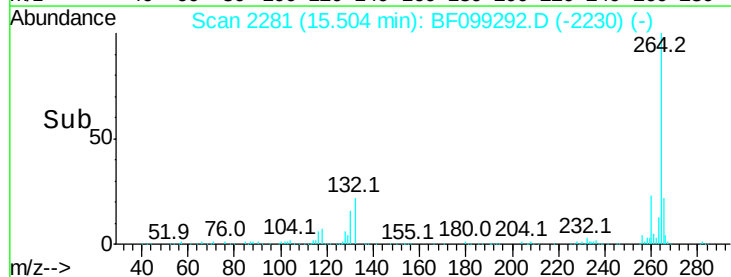
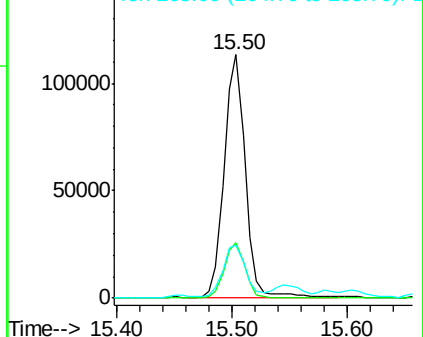


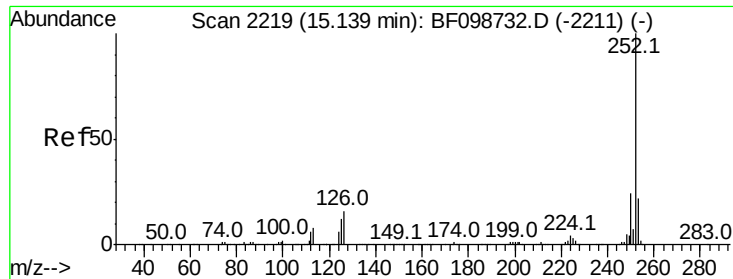
Abundance

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





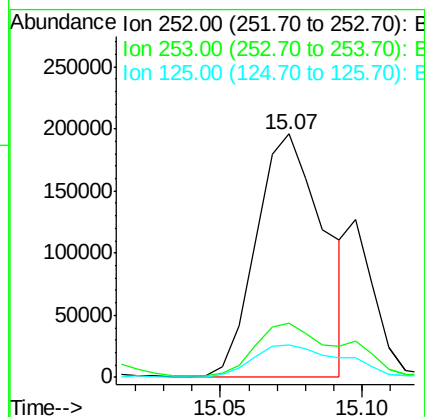
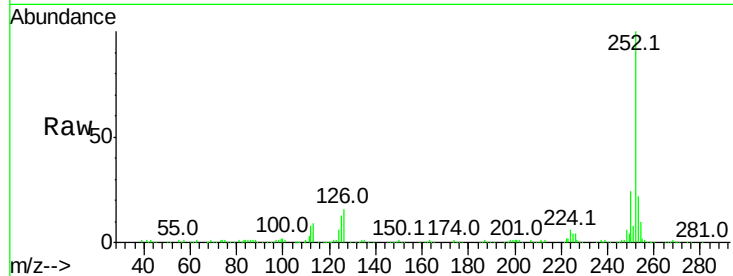
#87
Benzo(b)fluoranthene
Concen: 37.233 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-D

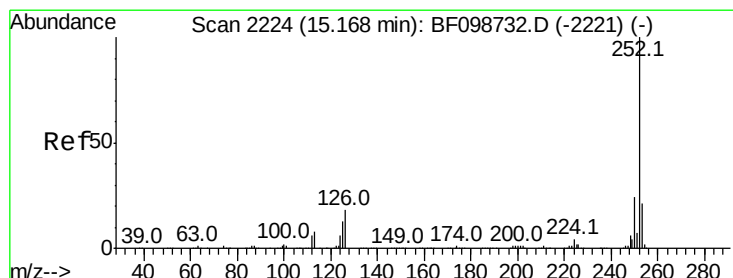
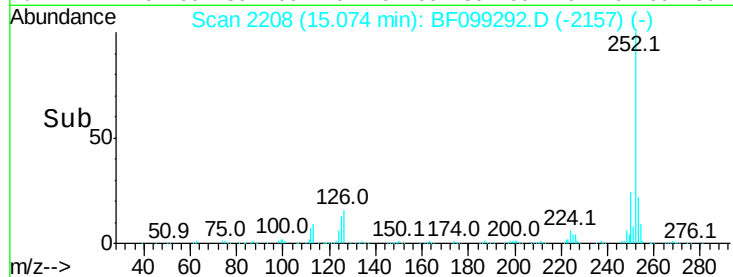
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	13.1	9.0	13.6

Manual Integrations
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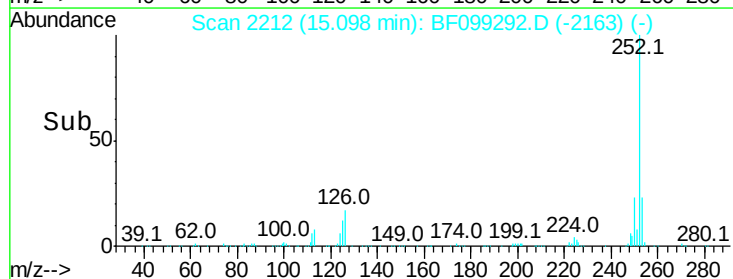
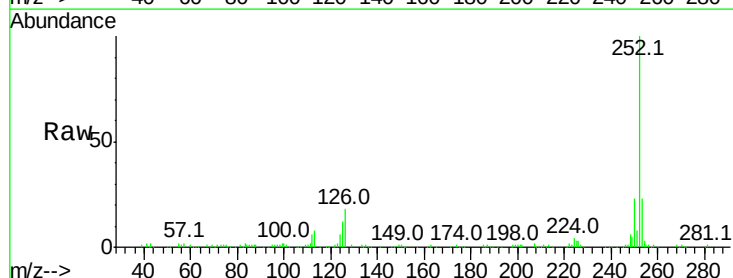
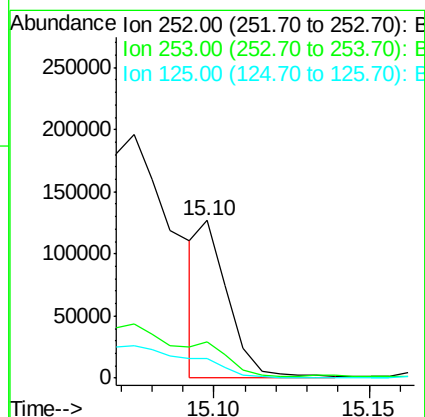


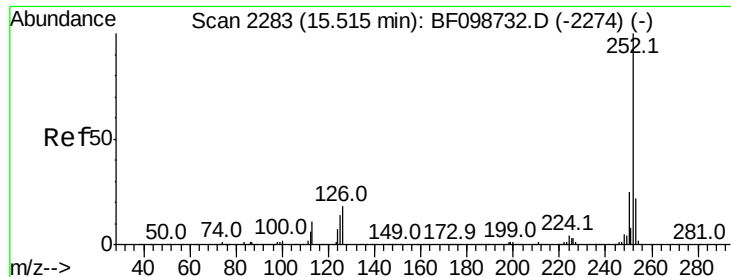
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#88
Benzo(k)fluoranthene
Concen: 9.829 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	12.3	10.2	15.2





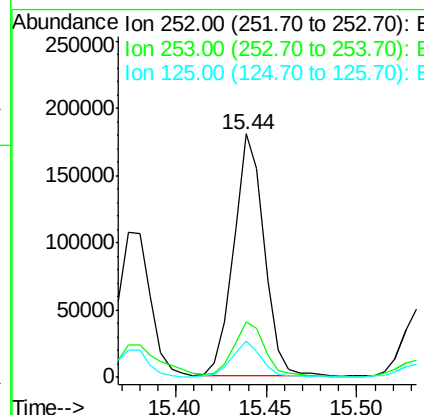
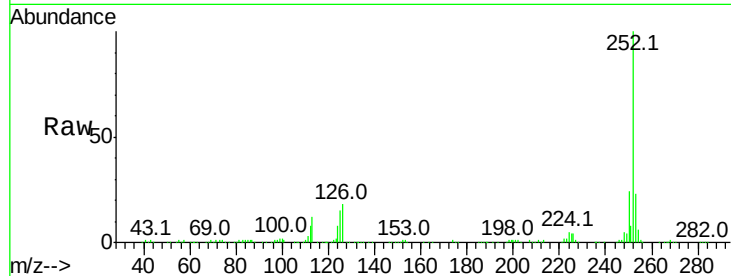
#89
Benzo(a)pyrene
Concen: 26.177 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-D

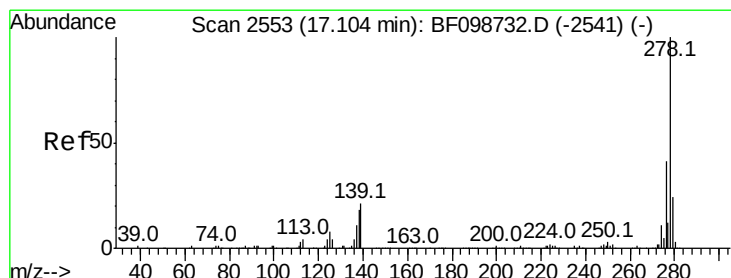
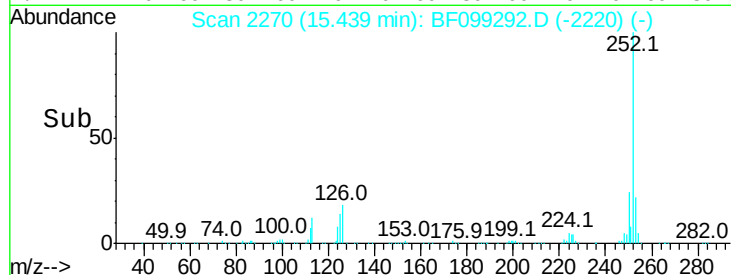
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	14.7	9.8	14.6

Manual Integrations
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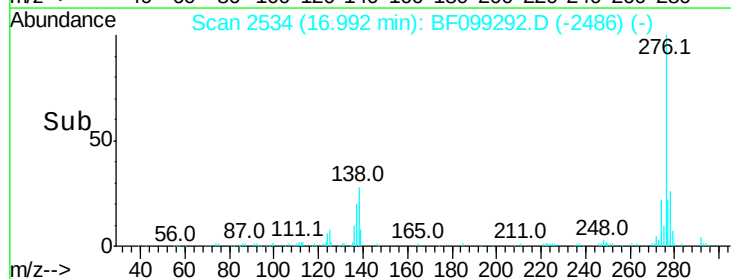
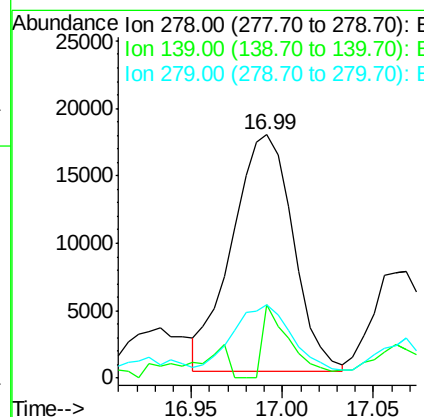
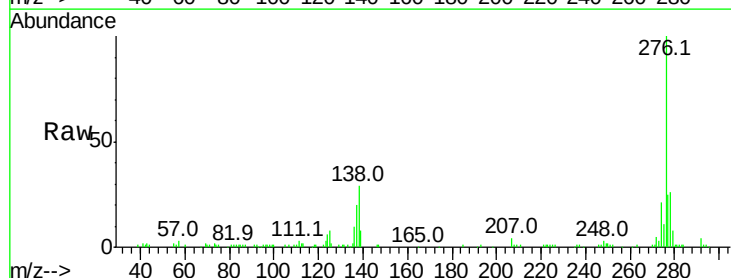


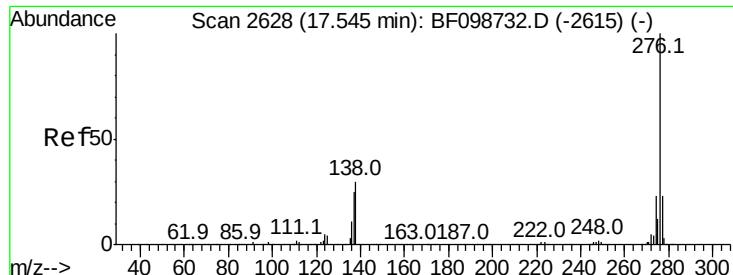
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#90
Dibenzo(a,h)anthracene
Concen: 6.390 ng m
RT: 16.99 min Scan# 2534
Delta R.T. -0.02 min
Lab File: BF099292.D
Acq: 10 Oct 2017 11:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.9	15.9	23.9
279	30.1	19.0	28.4





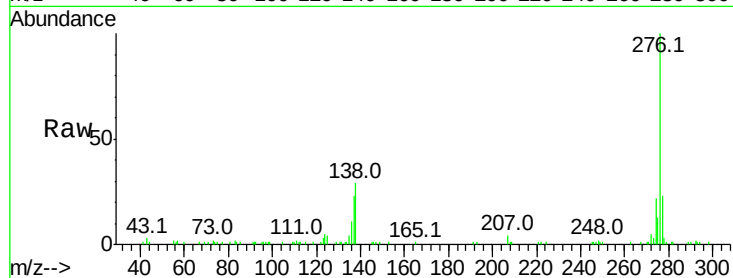
#91
 Benzo(a,h,i)perylene
 Concen: 19.364 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BF099292.D
 Acq: 10 Oct 2017 11:03

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-D

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	22.8	17.9	26.9
138	29.3	21.8	32.8

Manual Integrations
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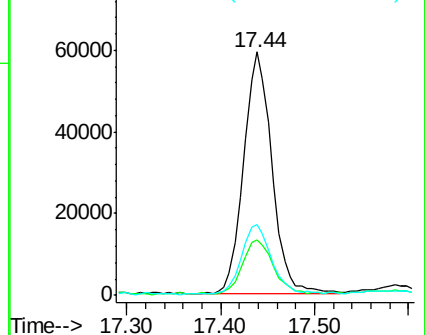


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



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