

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF098123.D
 Acq On : 29 Aug 2017 21:01
 Operator : SJ/JU
 Sample : I4994-01 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-082517-A

Manual Integrations
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Sohil
 8/30/2017 6:45:04 PM

Quant Time: Aug 30 05:46:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	128578	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	512227	20.00	ng	-0.02
38) Acenaphthene-d10	9.77	164	210875	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	332521	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	255472	20.00	ng	-0.01
86) Perylene-d12	15.30	264	230735	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	83955	9.93	ng	-0.02
7) Phenol-d6	6.36	99	113100	9.85	ng	-0.03
23) Nitrobenzene-d5	7.29	82	65141	6.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	13919	7.61	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	110227	7.68	ng	-0.02
78) Terphenyl-d14	12.83	244	66328	5.41	ng	-0.02
Target Compounds						
70) Phenanthrene	11.27	178	130248	7.351	ng	98
74) Fluoranthene	12.46	202	209364	11.320	ng	99
77) Pyrene	12.69	202	172530	8.257	ng	97
80) Benzo(a)anthracene	13.87	228	67804	4.428	ng	99
82) Chrysene	13.91	228	68462	4.495	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	32527	2.903	ng	# 92
87) Benzo(b)fluoranthene	14.90	252	90699m	6.236	ng	
89) Benzo(a)pyrene	15.24	252	58341	4.531	ng	99
91) Benzo(g,h,i)perylene	17.09	276	28107	2.570	ng	92

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

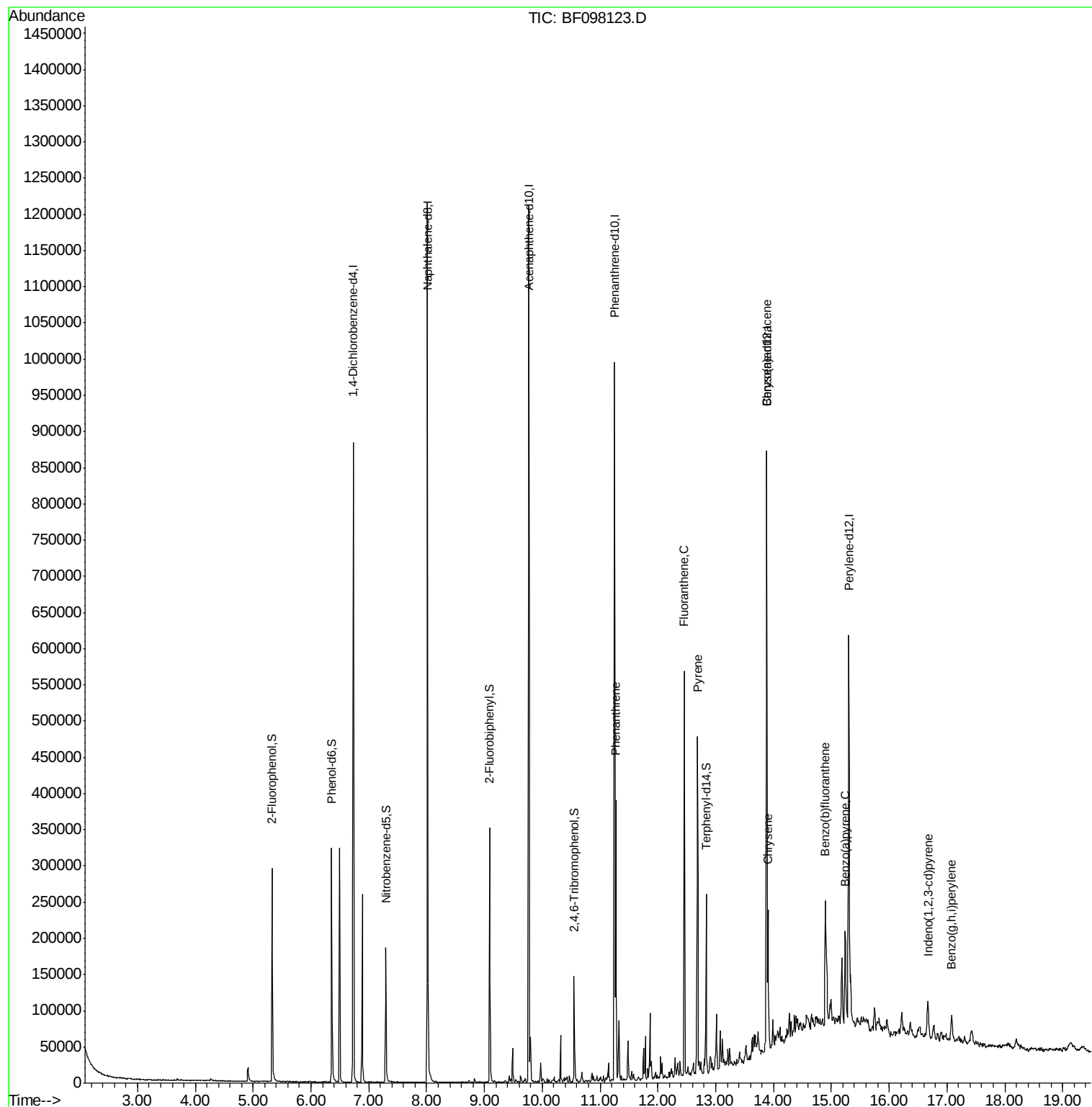
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
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Sample : I4994-01 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

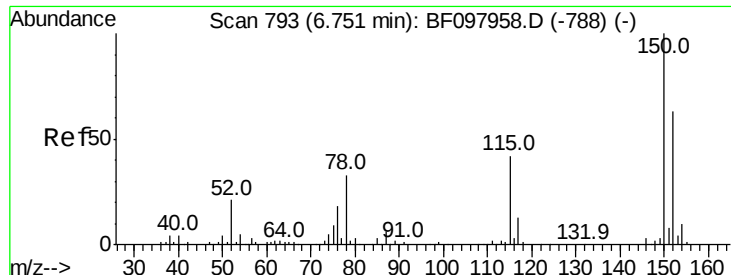
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ClientSampleId :
EO-01-082517-A

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

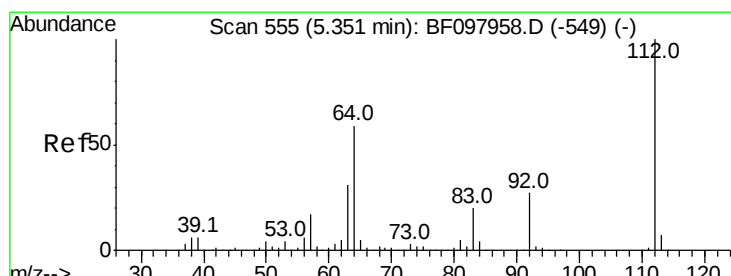
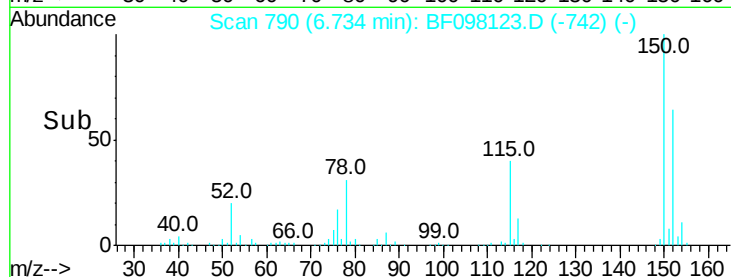
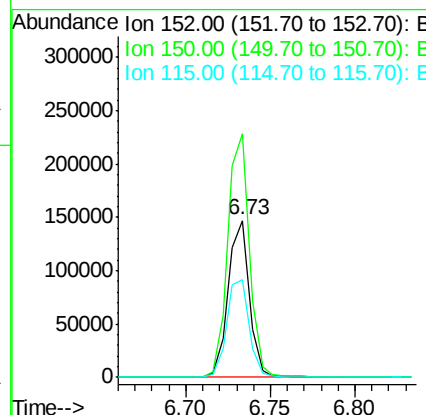
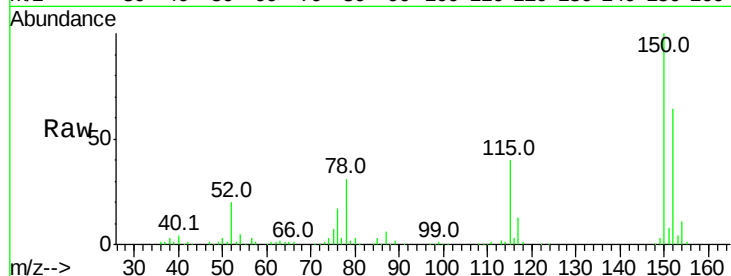
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

Instrument :
BNA_F
ClientSampleId :
EO-01-082517-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	126.2	189.2
115	62.3	52.2	78.2

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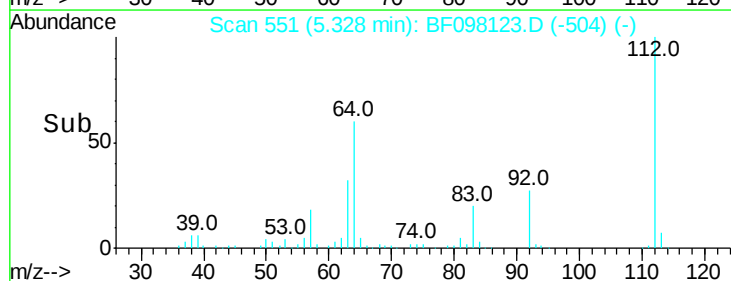
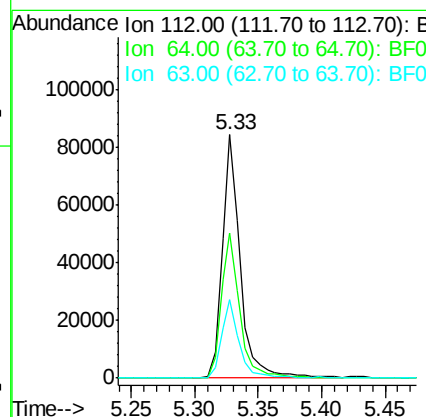
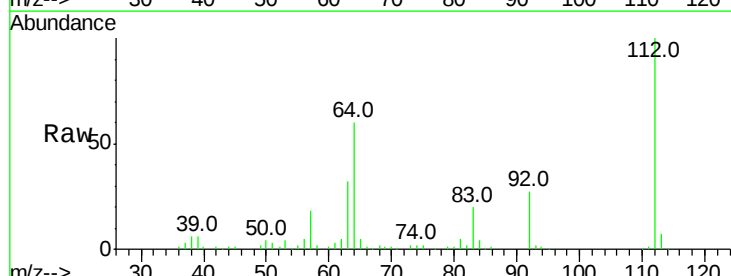
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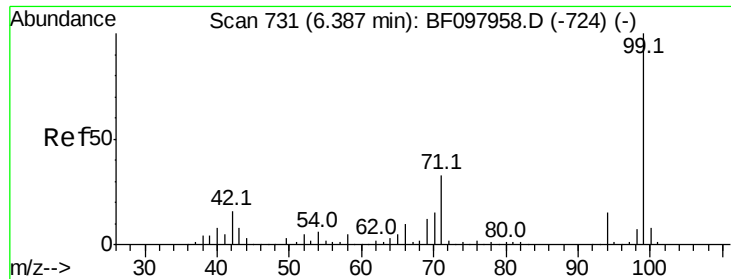


#5

2-Fluorophenol
Concen: 9.932 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	46.0	69.0
63	32.5	23.4	35.0





#7

Phenol-d6

Concen: 9.847 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098123.D

Acq: 29 Aug 2017 21:01

Instrument :

BNA_F

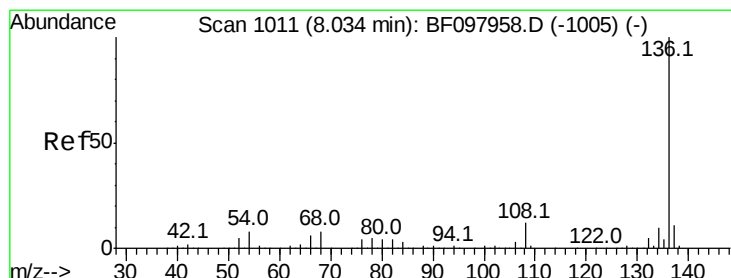
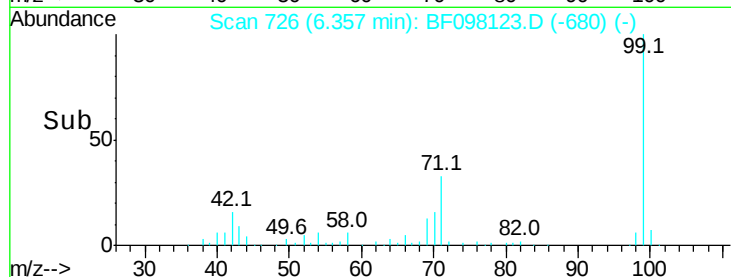
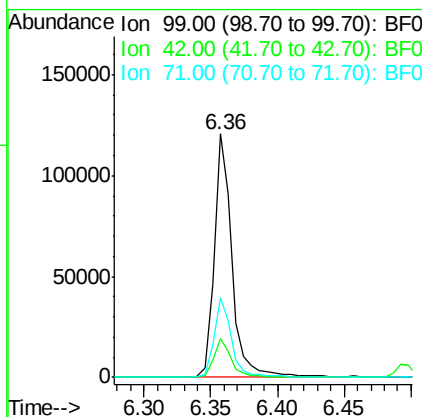
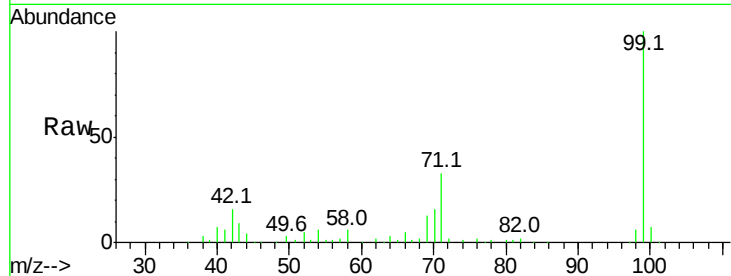
ClientSampleId :

EO-01-082517-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		113100		
42	16.1	13.5	20.3		
71	32.9	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

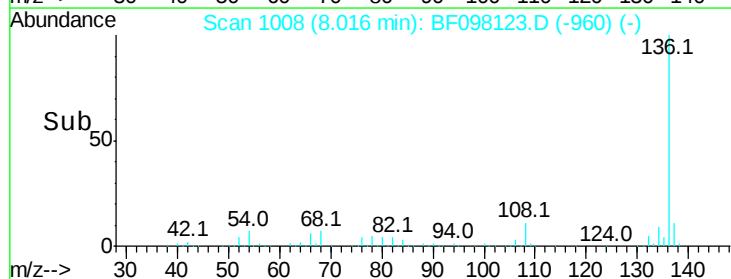
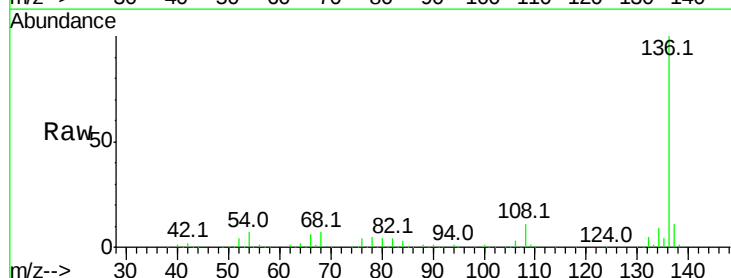
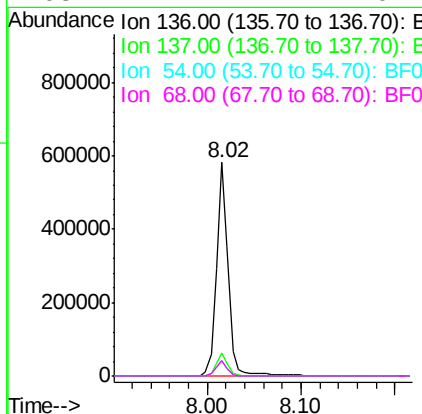
RT: 8.02 min Scan# 1008

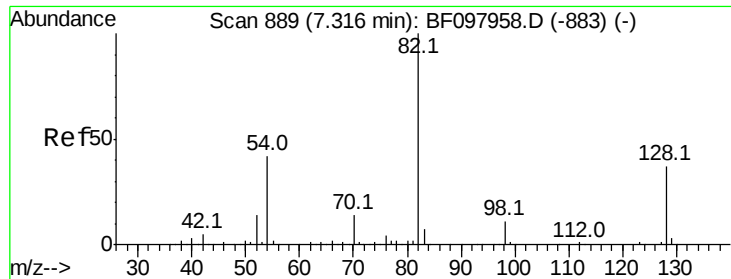
Delta R.T. -0.02 min

Lab File: BF098123.D

Acq: 29 Aug 2017 21:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		512227		
137	10.9	8.5	12.7		
54	7.5	4.9	7.3#		
68	7.2	4.1	6.1#		





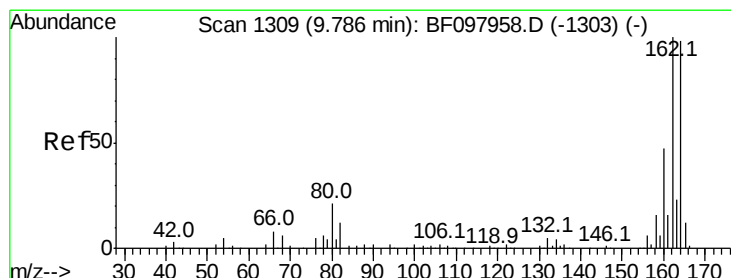
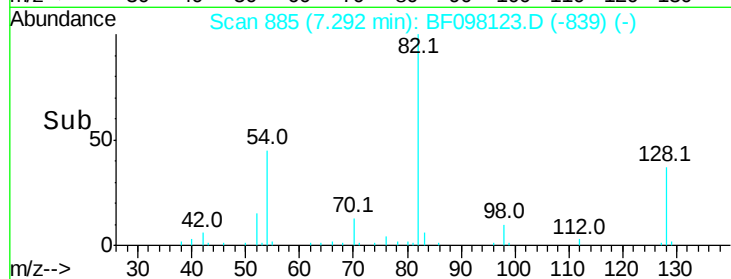
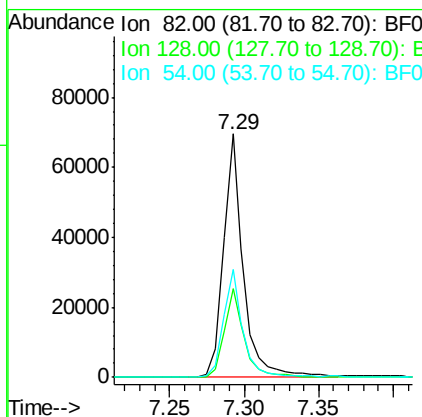
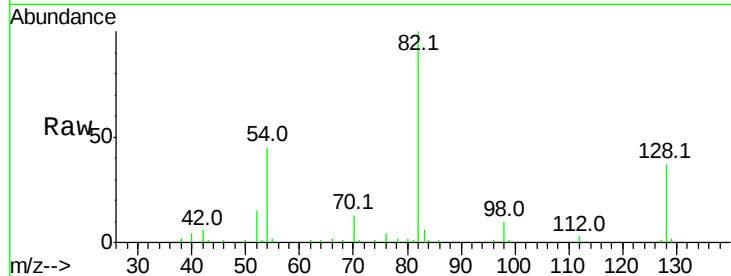
#23
 Nitrobenzene-d5
 Concen: 6.909 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.03 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-082517-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.6	34.0	51.0
54	44.6	42.2	63.2

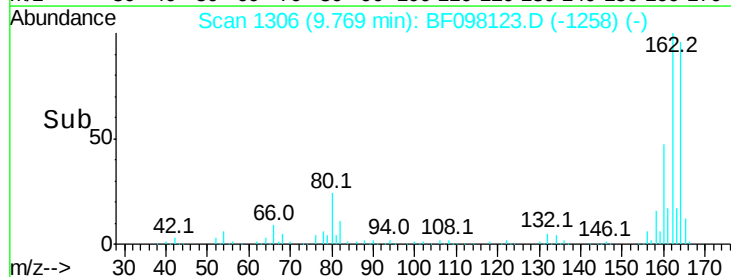
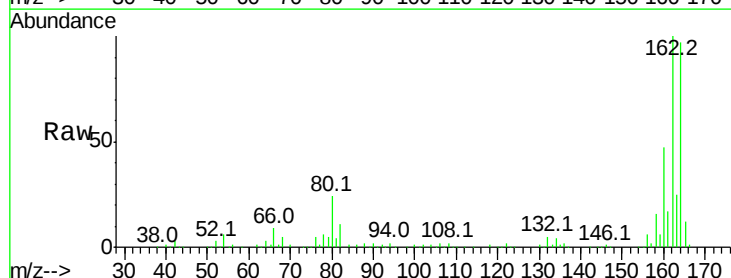
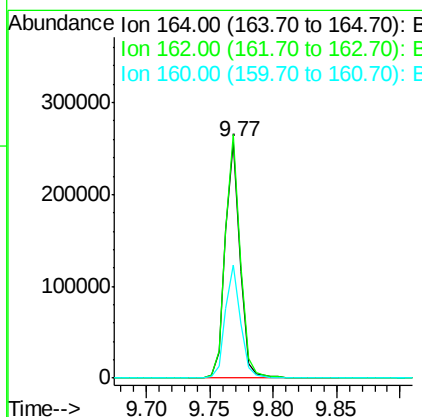
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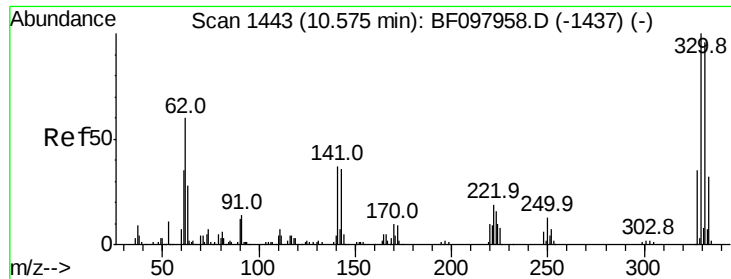
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	48.0	36.2	54.2





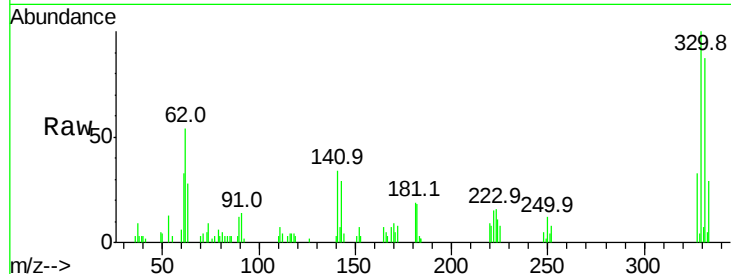
#41
 2,4,6-Tribromophenol
 Concen: 7.607 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-082517-A

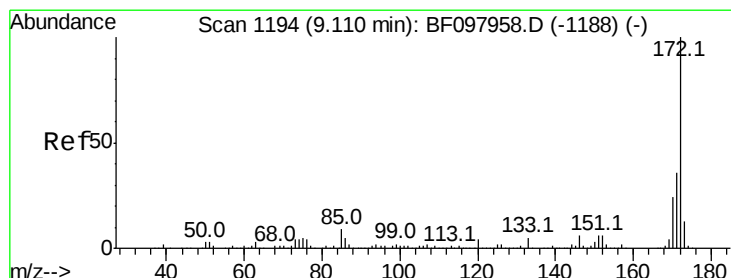
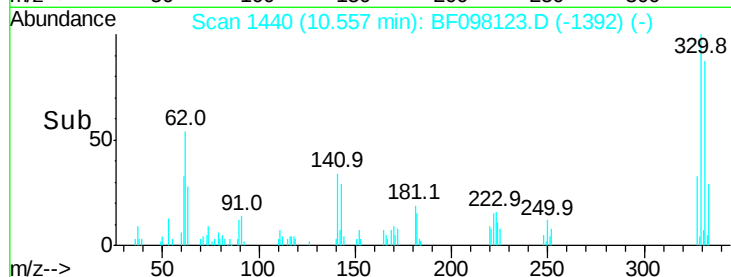
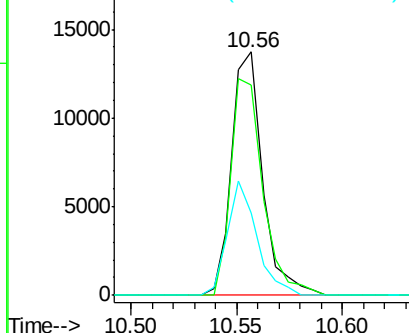
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.3	76.6	115.0	
141	44.6	31.4	47.2	

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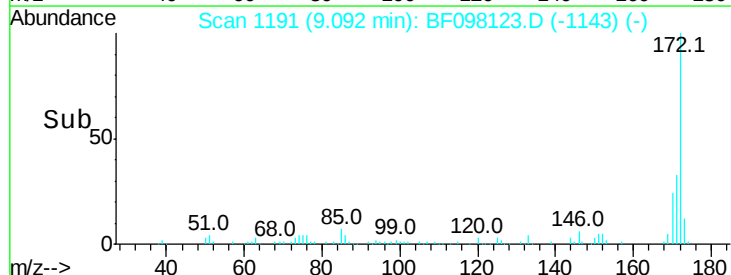
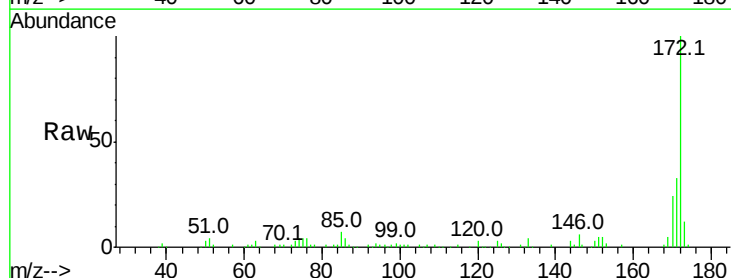
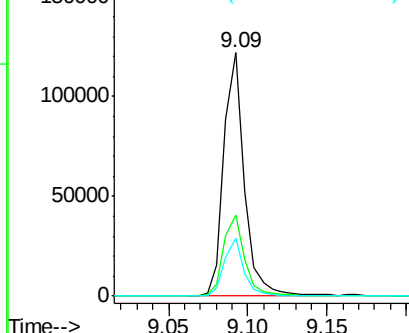
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

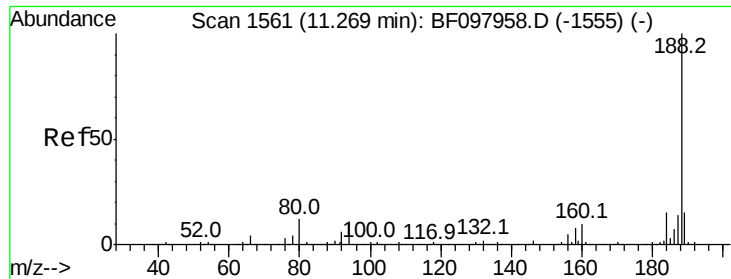


#44
 2-Fluorobiphenyl
 Concen: 7.680 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.5	29.6	44.4	
170	23.6	19.8	29.8	

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





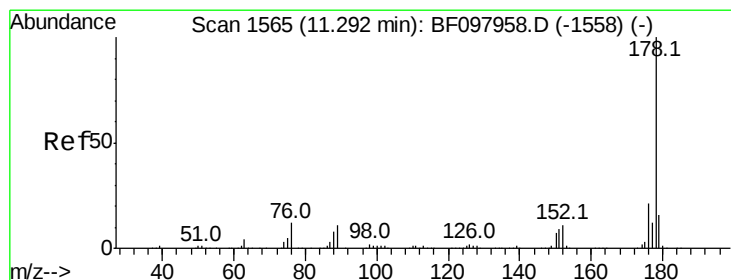
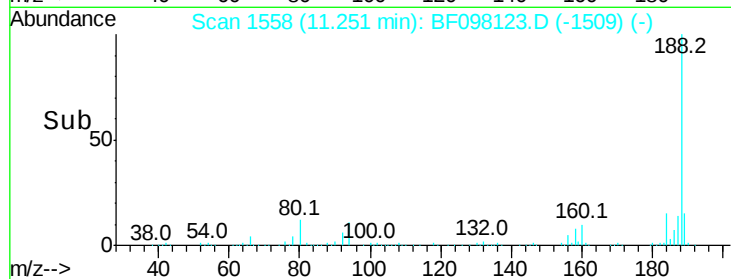
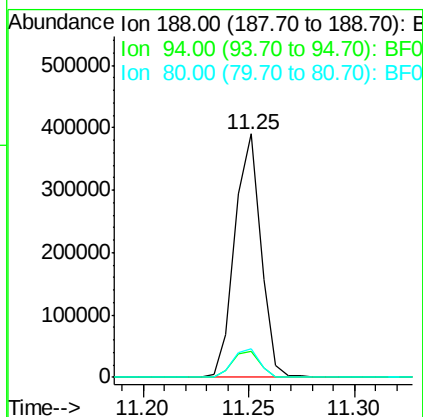
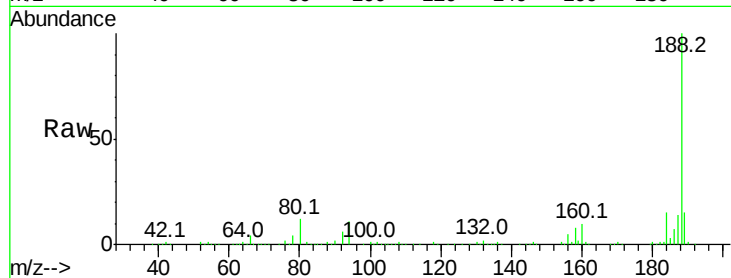
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

Instrument :
BNA_F
ClientSampleId :
EO-01-082517-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	332521		
94	10.9		9.4	14.2
80	11.9		10.2	15.2

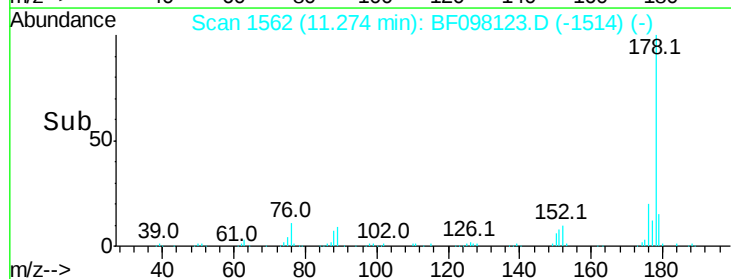
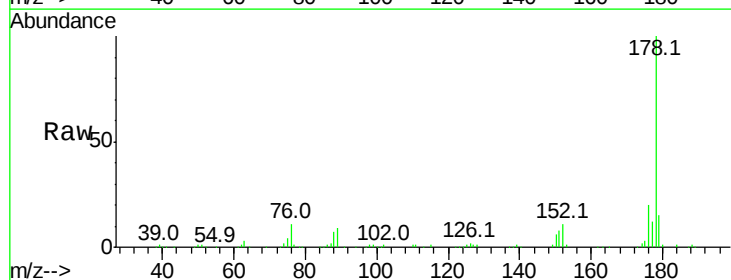
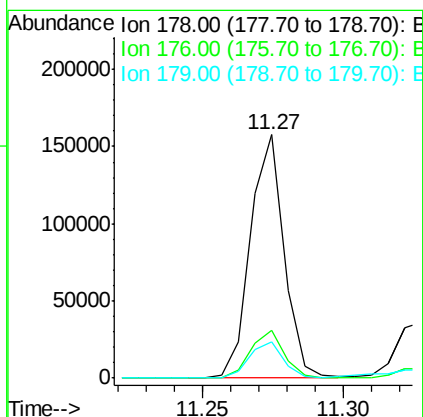
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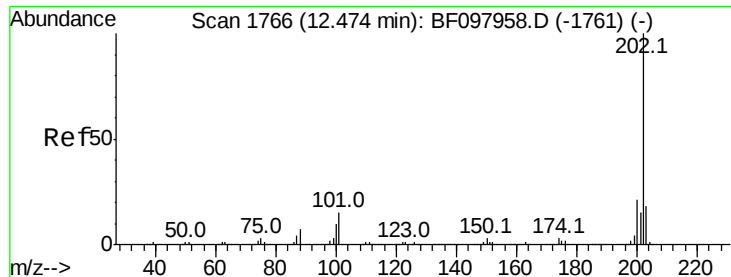
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#70
Phenanthrene
Concen: 7.351 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	130248		
176	19.7		16.2	24.4
179	14.9		12.6	19.0





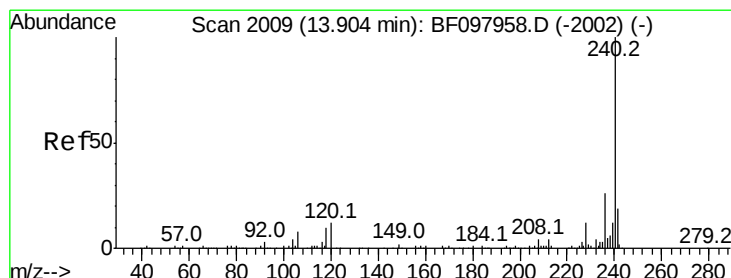
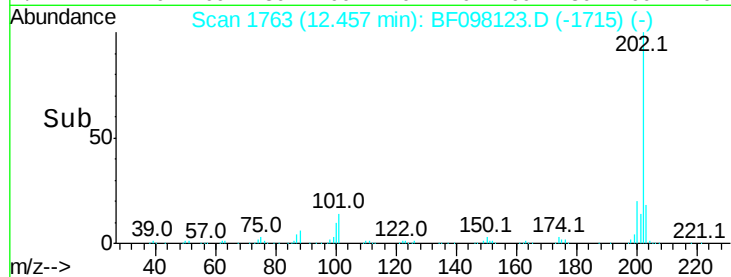
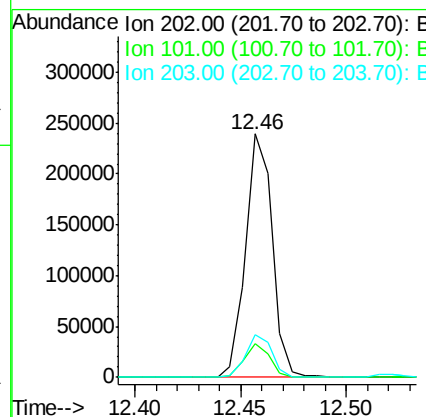
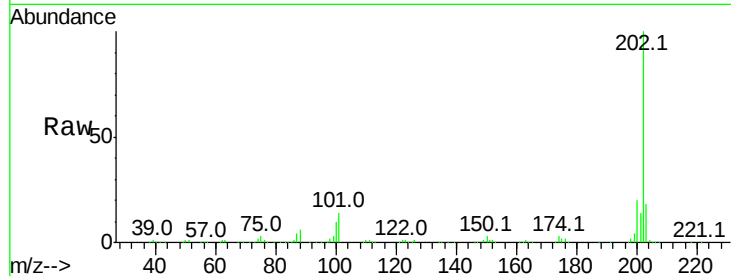
#74
Fluoranthene
Concen: 11.320 ng
RT: 12.46 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

Instrument :
BNA_F
ClientSampleId :
EO-01-082517-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.9	0.0	33.2
203	17.5	0.0	38.1

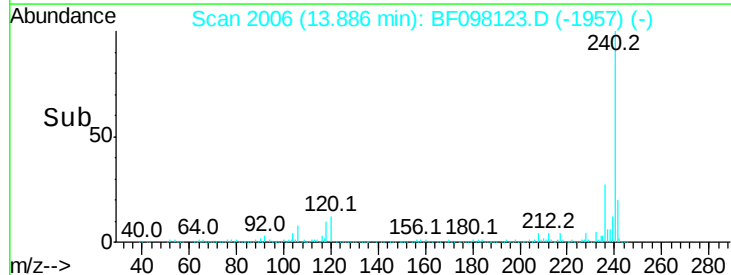
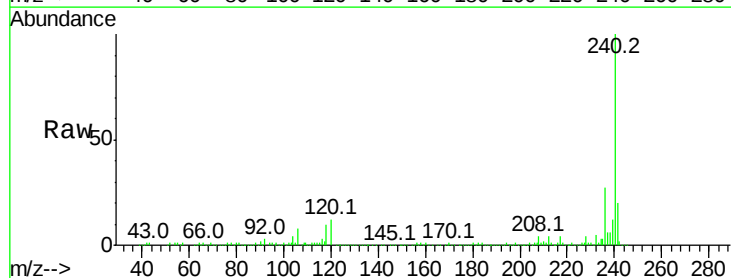
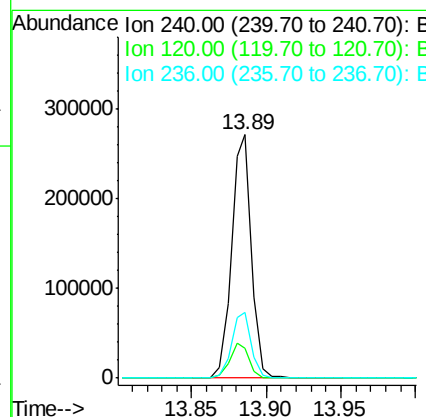
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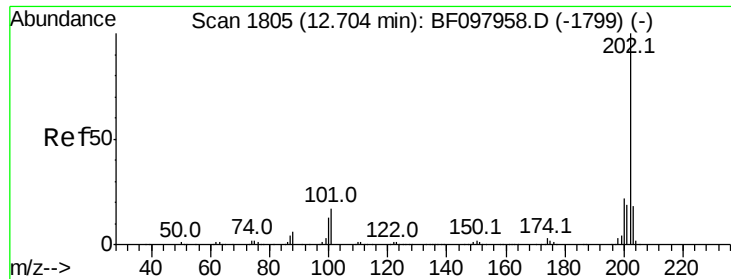
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.3	5.8	8.8#
236	26.8	20.5	30.7





#77

Pvrene

Concen: 8.257 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF098123.D

Acq: 29 Aug 2017 21:01

Instrument :

BNA_F

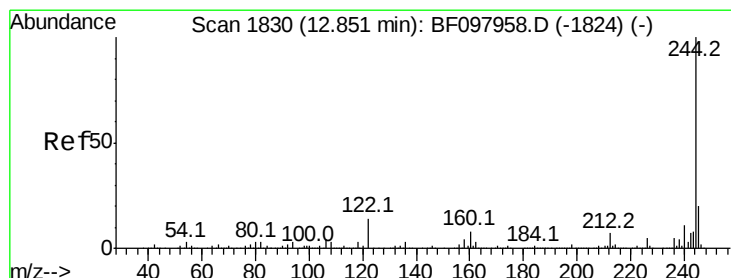
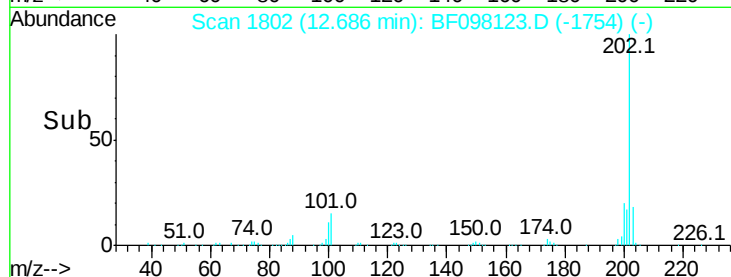
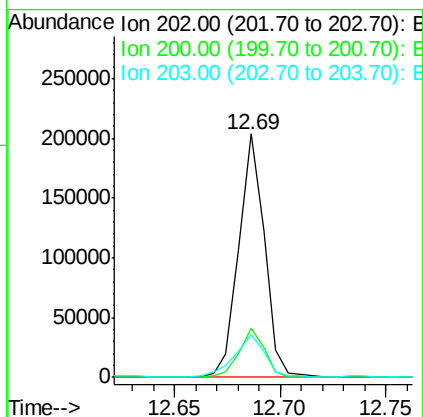
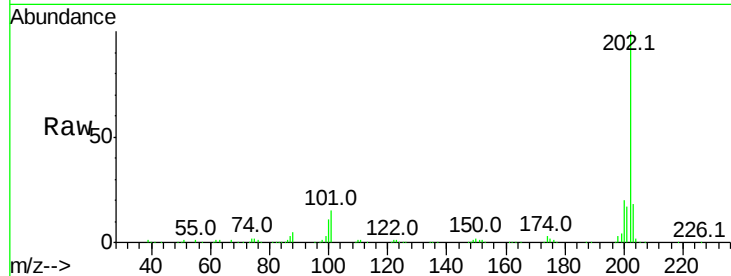
ClientSampleId :

EO-01-082517-A

Tot Ion:	202	Resp:	172530
Ion Ratio	Lower	Upper	
202	100		
200	20.0	17.6	26.4
203	17.7	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 5.414 ng

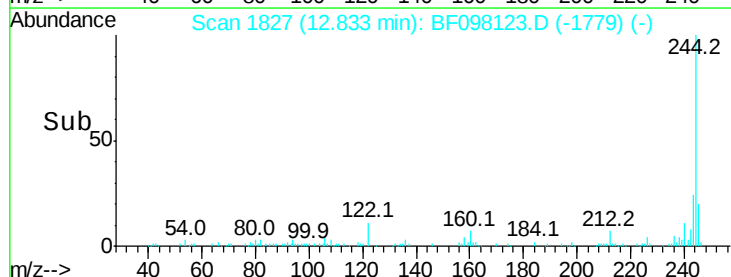
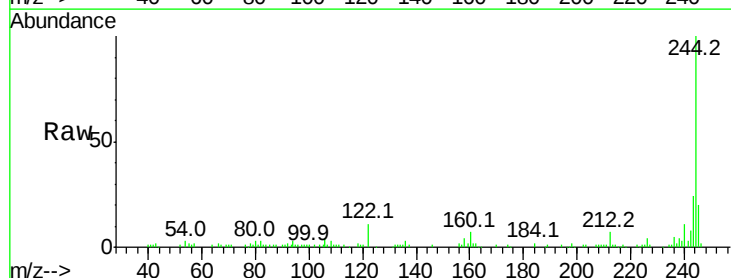
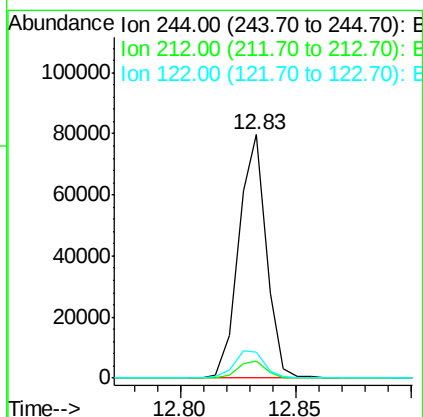
RT: 12.83 min Scan# 1827

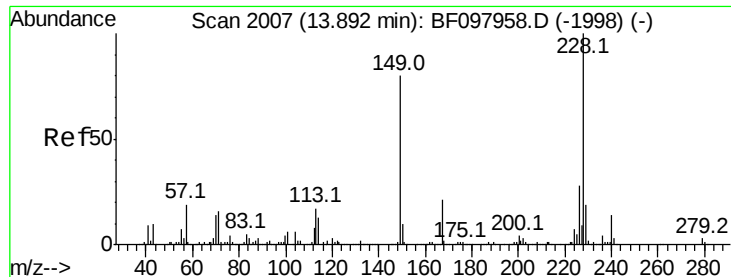
Delta R.T. -0.02 min

Lab File: BF098123.D

Acq: 29 Aug 2017 21:01

Tgt Ion:	244	Resp:	66328
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.0	9.0
122	10.7	10.3	15.5





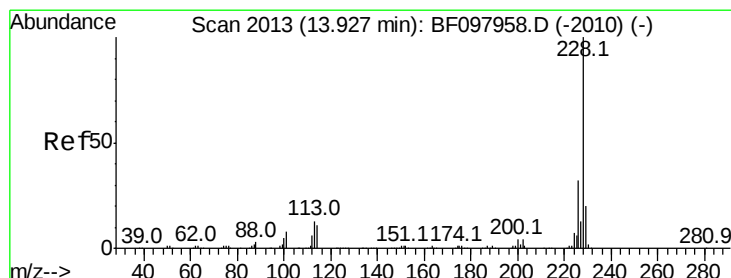
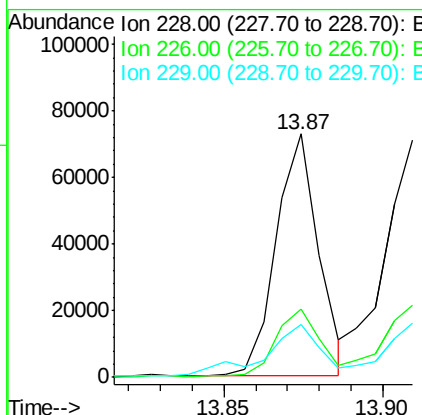
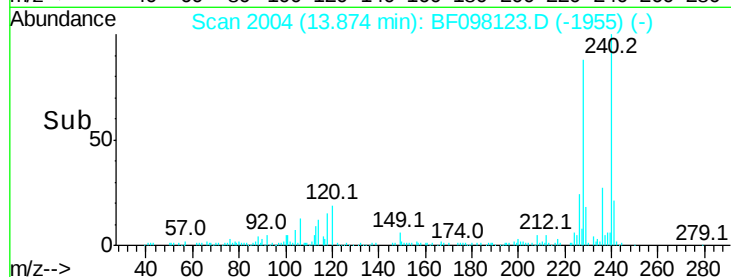
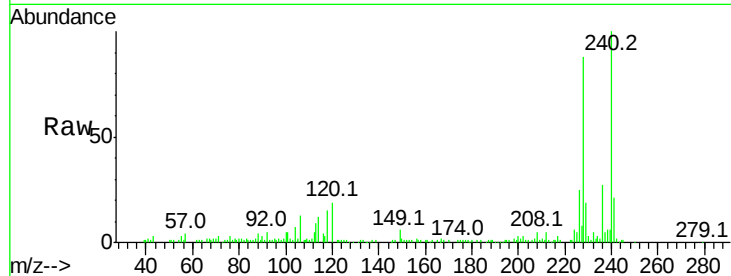
#80
Benzo(a)anthracene
Concen: 4.428 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

Instrument :
BNA_F
ClientSampleId :
EO-01-082517-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.6	16.3	24.5

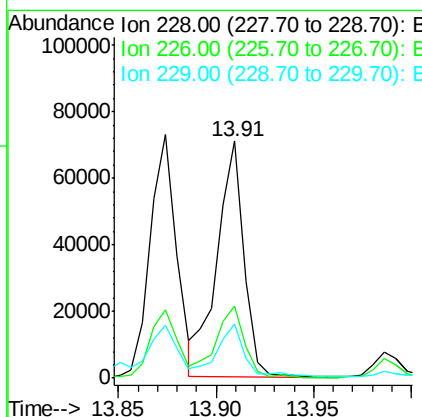
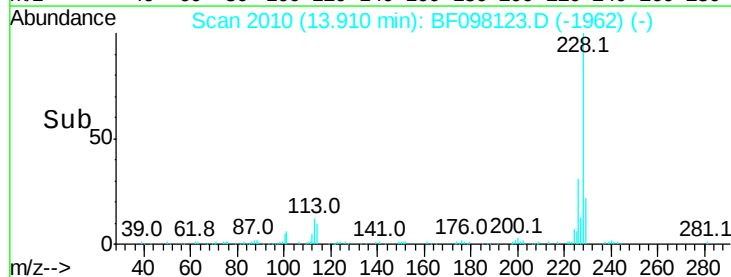
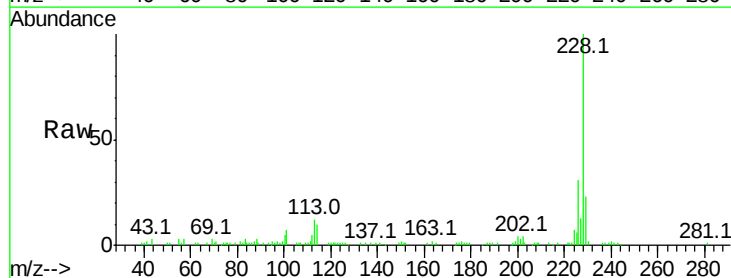
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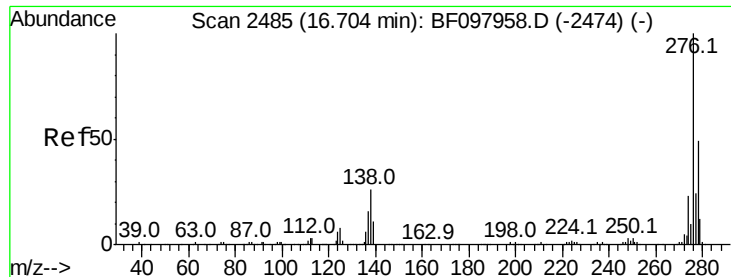
Sohil
8/30/2017 6:45:04 PM



#82
Chrysene
Concen: 4.495 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF098123.D
Acq: 29 Aug 2017 21:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	23.1	15.8	23.6





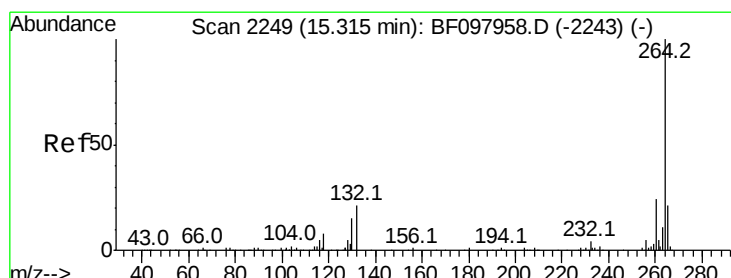
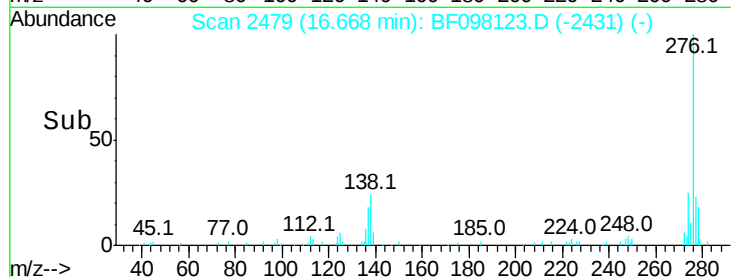
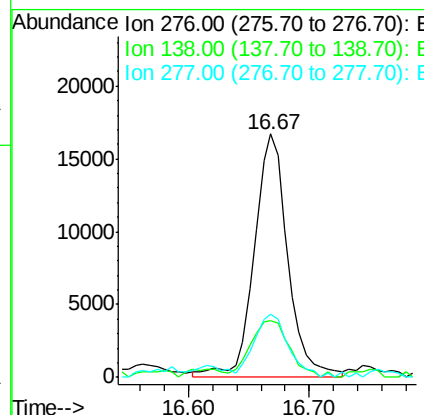
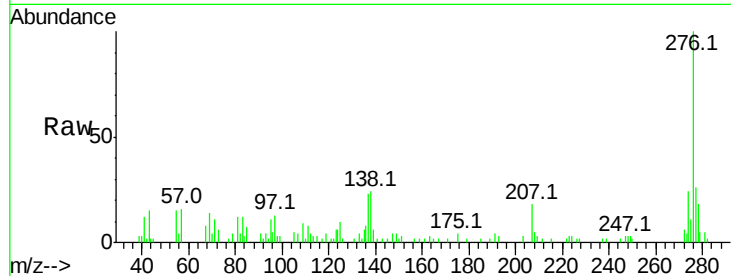
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.903 ng
 RT: 16.67 min Scan# 2479
 Delta R.T. -0.02 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-082517-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.0	27.8	41.6#
277	25.9	20.2	30.4

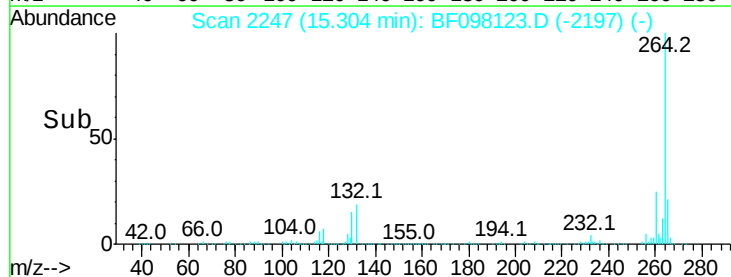
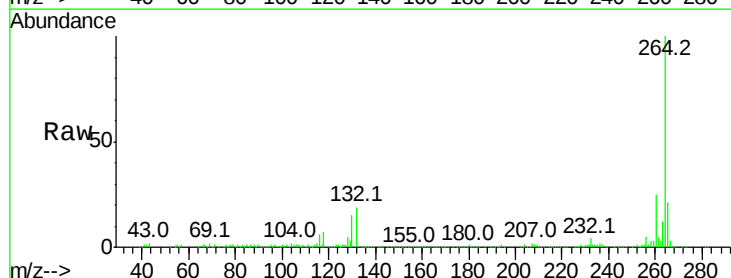
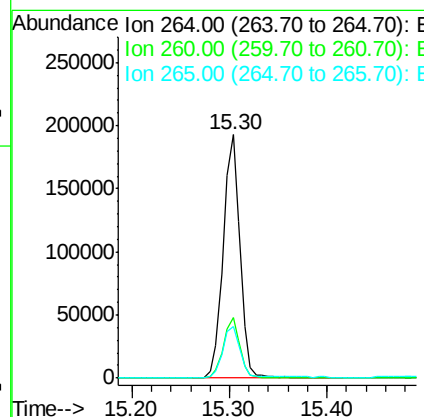
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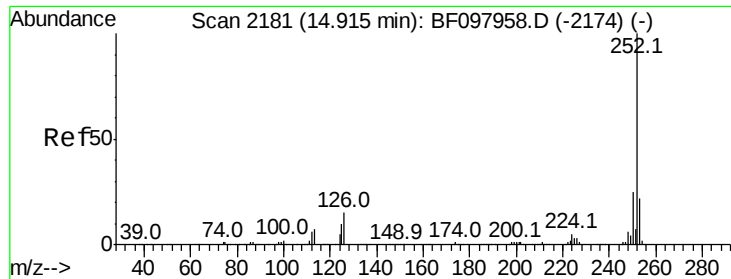
Sohil
 8/30/2017 6:45:04 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.01 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 6.236 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BF098123.D

Acq: 29 Aug 2017 21:01

Instrument :

BNA_F

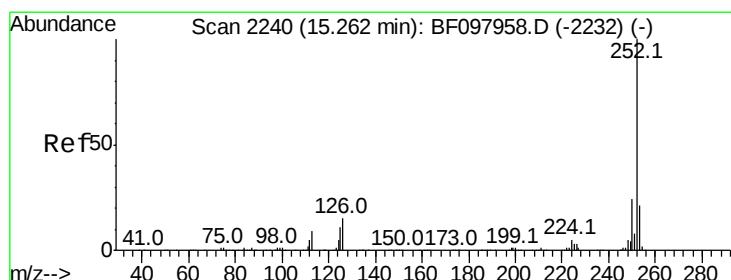
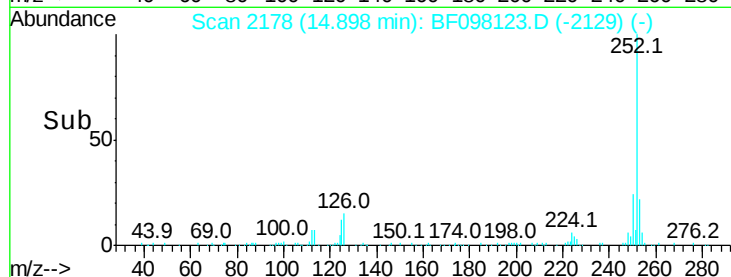
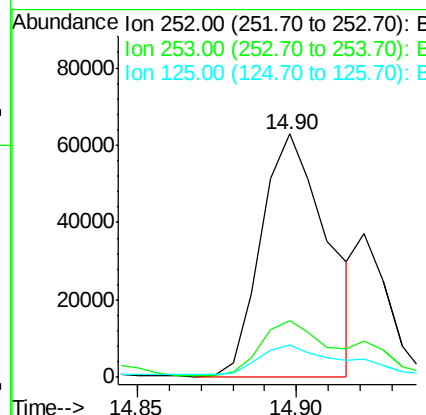
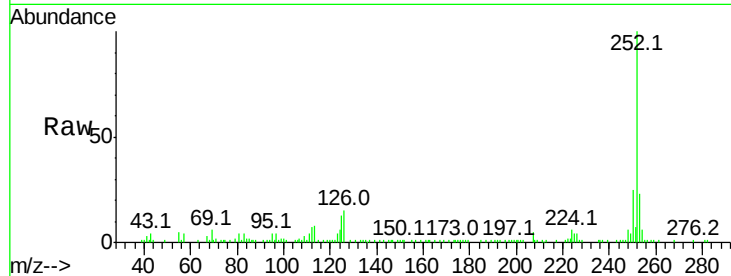
ClientSampleId :

EO-01-082517-A

Tot Ion:	252	Resp:	90699
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.1	27.1
125	13.1	9.8	14.8

Manual Integrations
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8/30/2017 6:45:04 PM



#89

Benzo(a)pyrene

Concen: 4.531 ng

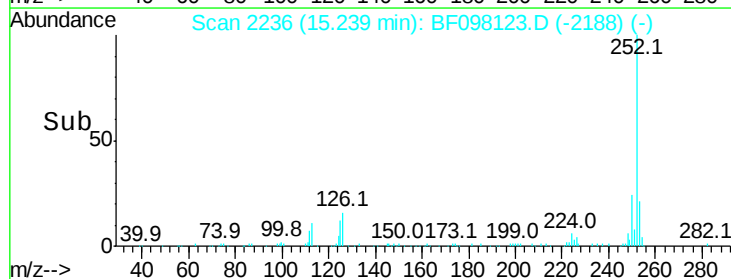
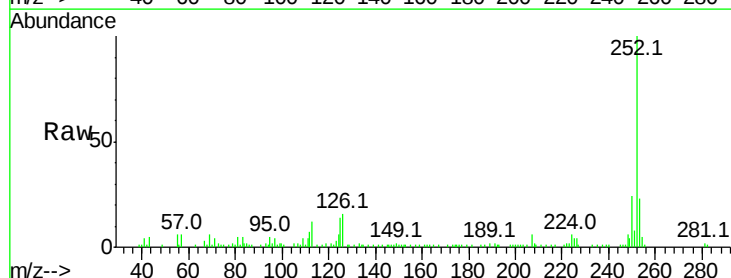
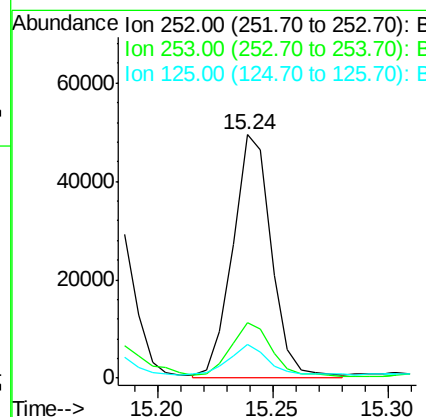
RT: 15.24 min Scan# 2236

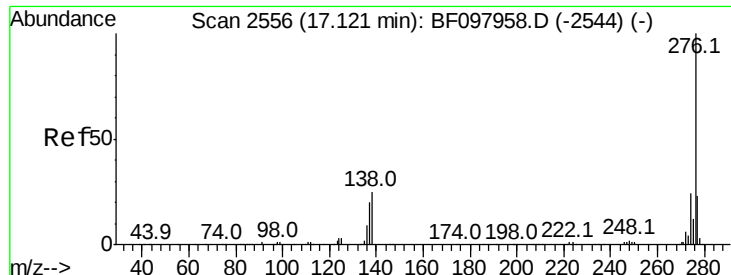
Delta R.T. -0.02 min

Lab File: BF098123.D

Acq: 29 Aug 2017 21:01

Tgt Ion:	252	Resp:	58341
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	13.7	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.570 ng
 RT: 17.09 min Scan# 2550
 Delta R.T. -0.02 min
 Lab File: BF098123.D
 Acq: 29 Aug 2017 21:01

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-082517-A

Tot Ion:	276	Resp:	28107
Ion Ratio	Lower	Upper	
276	100		
277	21.2	18.6	28.0
138	25.5	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 8/30/2017 6:45:04 PM

