

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099404.D
 Acq On : 12 Oct 2017 19:36
 Operator : SJ/JU
 Sample : I5729-05 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3E-(1-2)

Manual Integrations
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Sohil
 10/13/2017 3:05:44 PM

Quant Time: Oct 13 02:21:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	112169	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	432979	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	175084	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	253626	20.00	ng	0.00
75) Chrysene-d12	14.02	240	206588	20.00	ng	0.00
86) Perylene-d12	15.49	264	182395	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	135501	19.23	ng	0.00
7) Phenol-d6	6.48	99	164748	18.95	ng	0.00
23) Nitrobenzene-d5	7.41	82	91577	13.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	23098	16.12	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	167776	16.00	ng	0.00
78) Terphenyl-d14	12.95	244	99273	10.93	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.92	154	29641	2.706	ng	100
54) Dibenzofuran	10.09	168	34521	2.367	ng	98
57) Fluorene	10.43	166	37108	3.165	ng	97
70) Phenanthrene	11.40	178	389113	28.662	ng	98
71) Anthracene	11.45	178	87942	6.331	ng	99
72) Carbazole	11.61	167	45767	3.365	ng	99
74) Fluoranthene	12.59	202	610735	44.426	ng	99
77) Pyrene	12.82	202	597933	37.956	ng	99
80) Benzo(a)anthracene	14.01	228	275455	22.020	ng	99
82) Chrysene	14.04	228	264582	22.216	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	96501	10.129	ng	98
87) Benzo(b)fluoranthene	15.06	252	281573m	25.108	ng	
88) Benzo(k)fluoranthene	15.09	252	104156m	9.403	ng	
89) Benzo(a)pyrene	15.43	252	176682	17.164	ng	# 94
91) Benzo(a,h,i)perylene	17.42	276	92238	11.327	ng	92

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

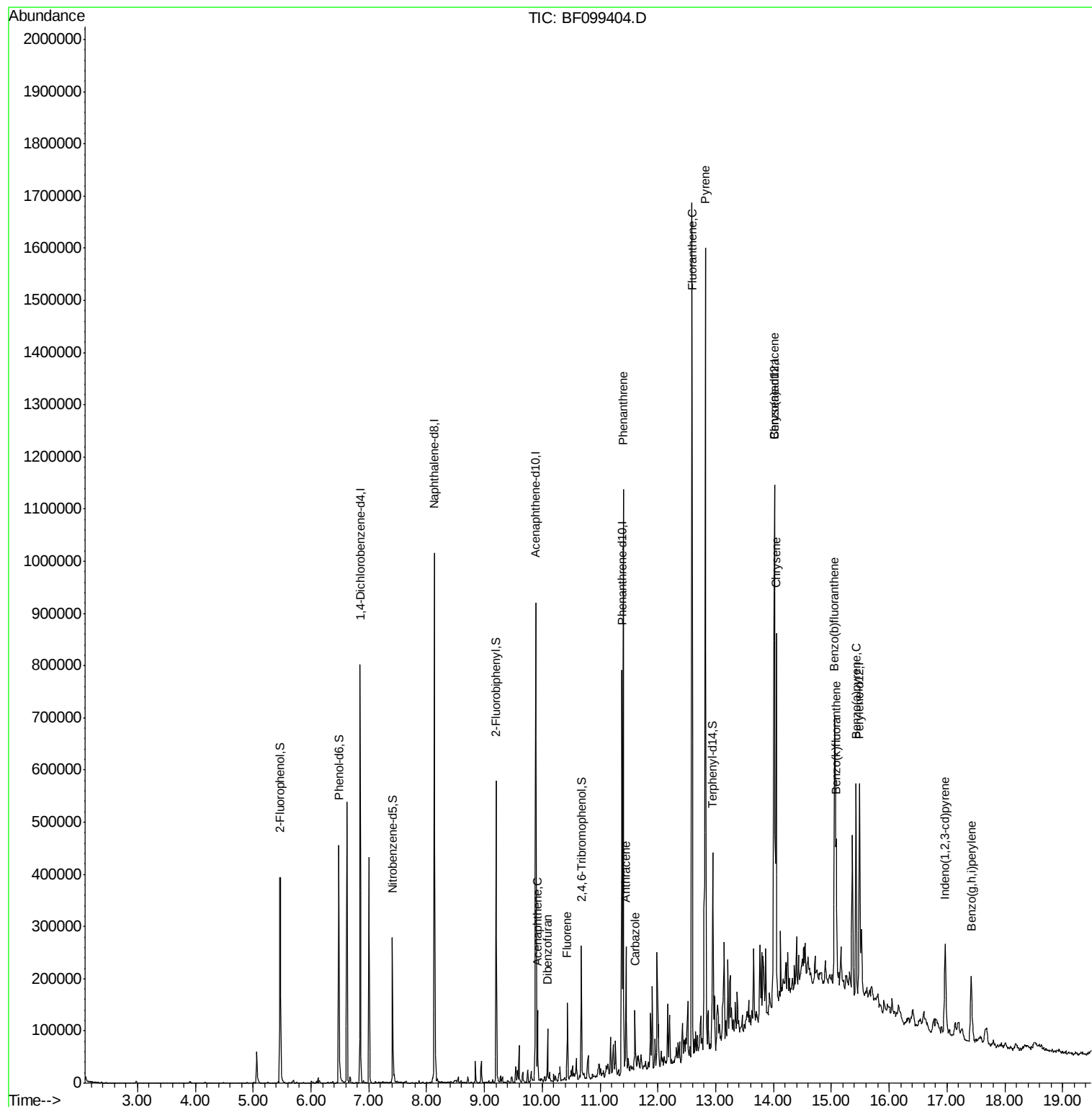
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099404.D
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ALS Vial : 9 Sample Multiplier: 1

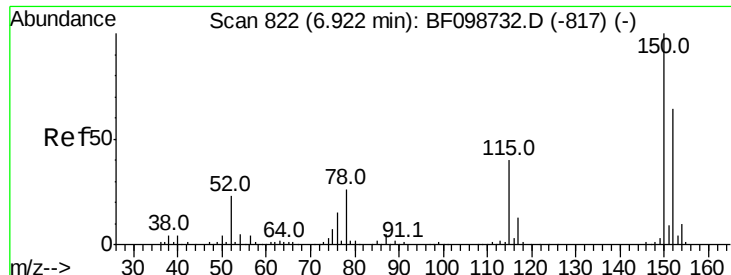
Instrument :
BNA_F
ClientSampleId :
3E-(1-2)

Manual Integrations
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Quant Time: Oct 13 02:21:54 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

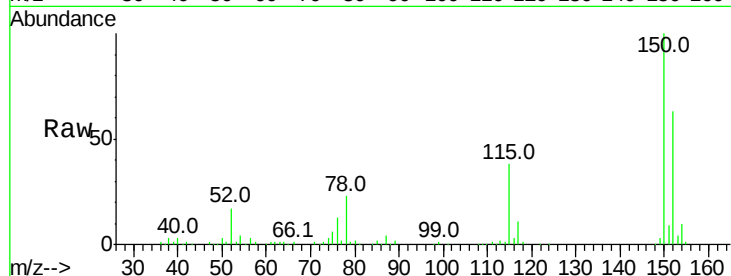
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF099404.D
Acq: 12 Oct 2017 19:36

Instrument :
BNA_F
ClientSampled :
3E-(1-2)

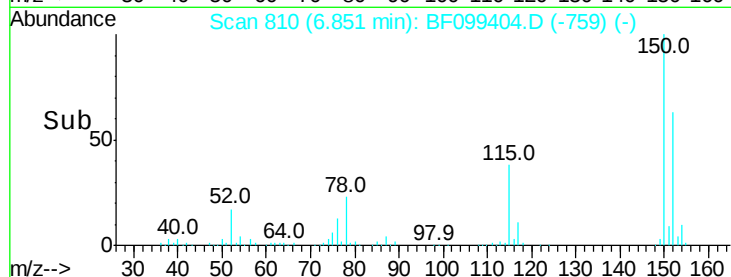
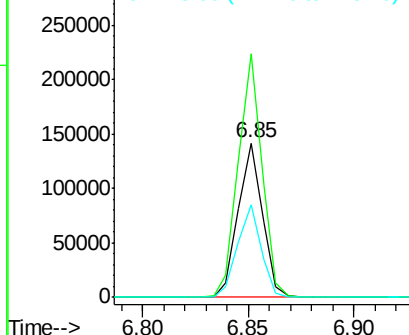
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	60.3	50.1	75.1

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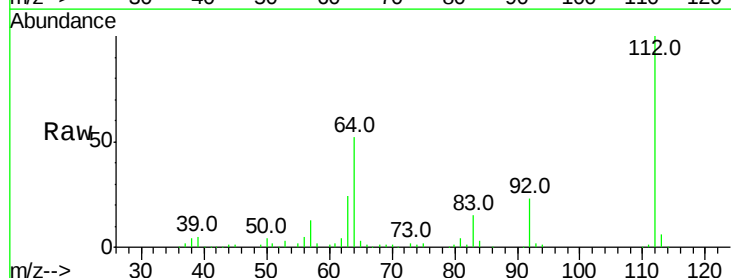
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



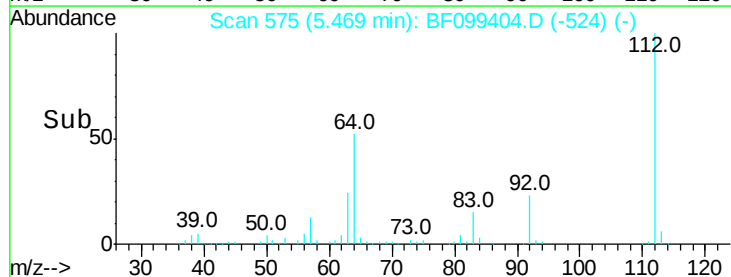
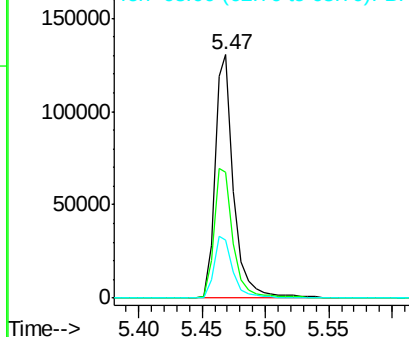
#5

2-Fluorophenol
Concen: 19.230 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF099404.D
Acq: 12 Oct 2017 19:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	47.9	71.9
63	23.9	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: 18.953 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099404.D

Acq: 12 Oct 2017 19:36

Instrument :

BNA_F

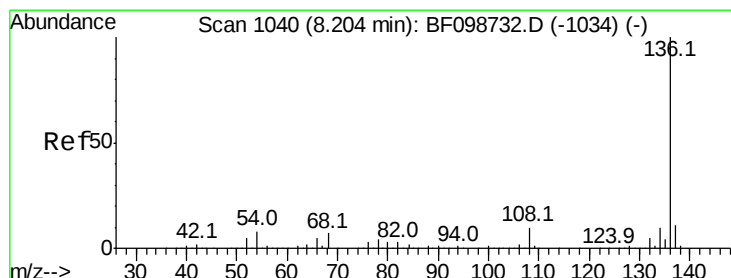
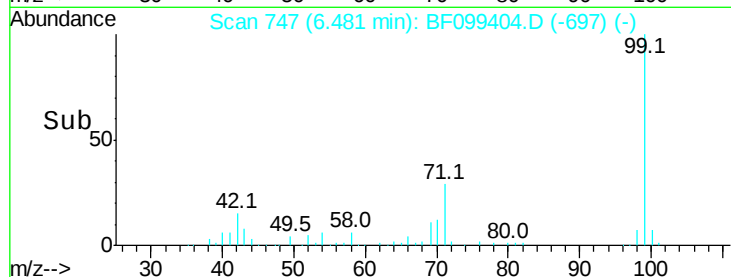
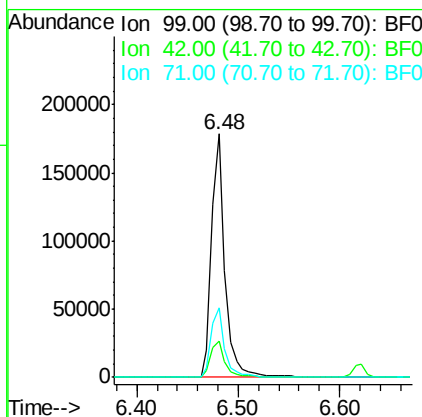
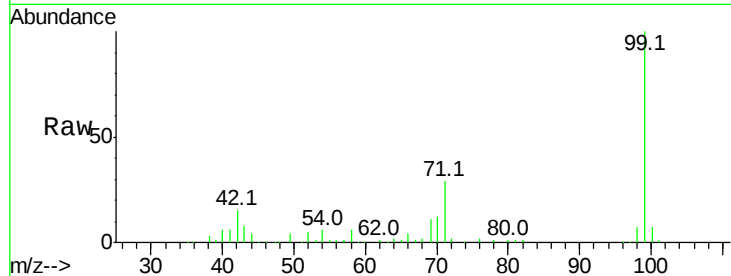
ClientSampled :

3E-(1-2)

Tot Ion:	99	Resp:	164748
Ion Ratio	Lower	Upper	
99	100		
42	15.0	14.5	21.7
71	28.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

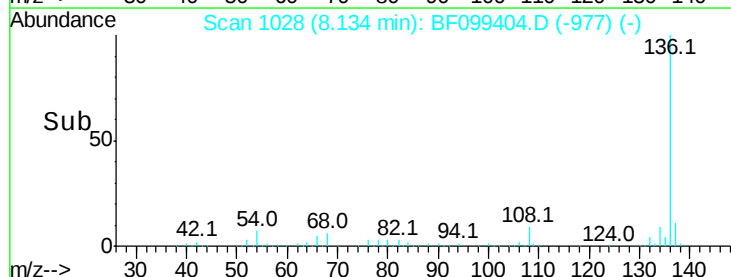
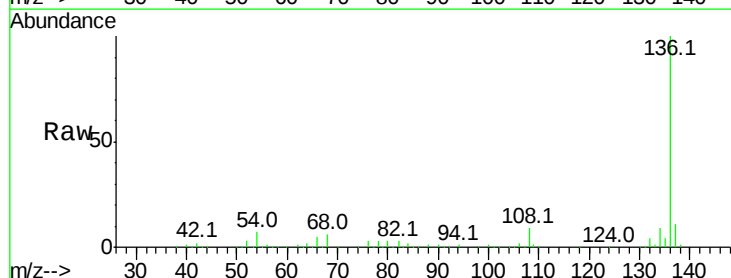
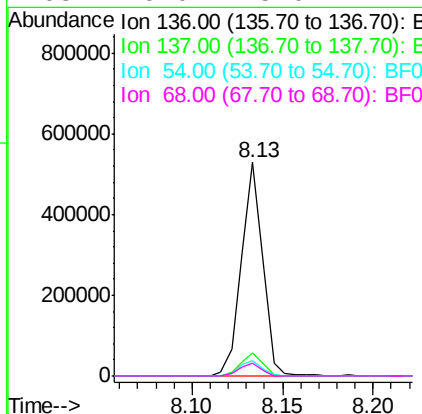
RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF099404.D

Acq: 12 Oct 2017 19:36

Tgt Ion:	136	Resp:	432979
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.3	6.6	9.8
68	6.0	5.0	7.4





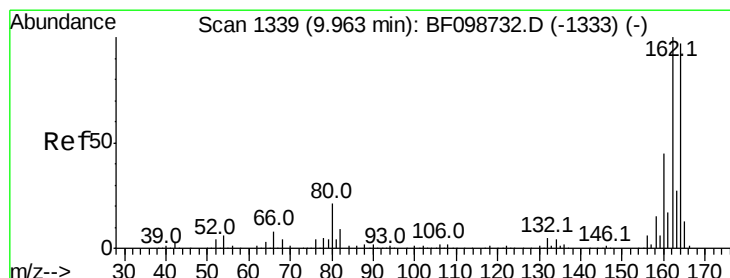
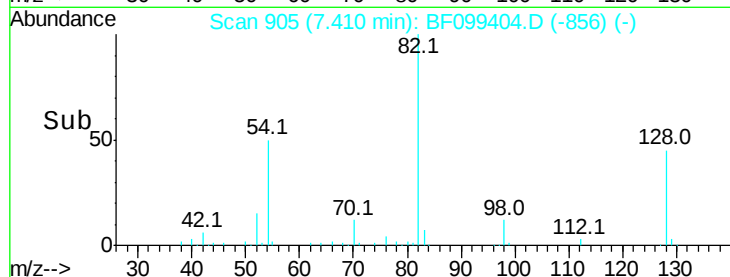
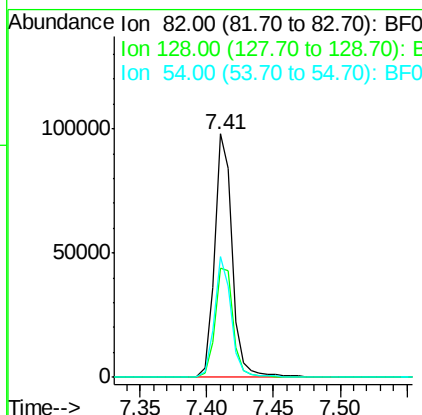
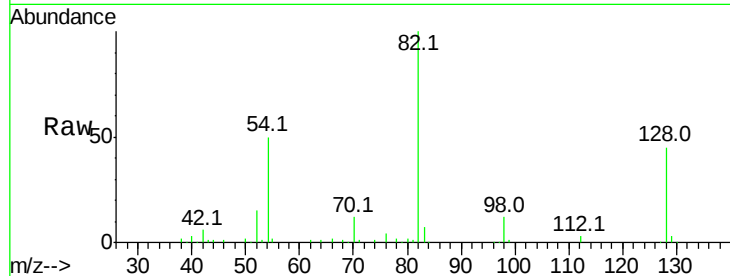
#23
 Nitrobenzene-d5
 Concen: 13.564 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF099404.D
 Acq: 12 Oct 2017 19:36

Instrument :
 BNA_F
 ClientSampled :
 3E-(1-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	49.5	41.4	62.2

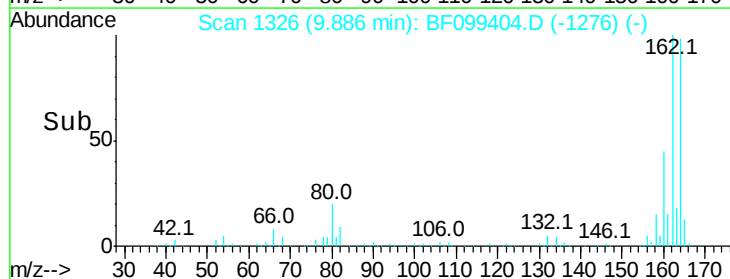
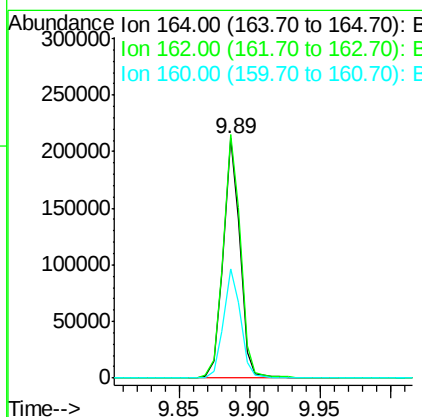
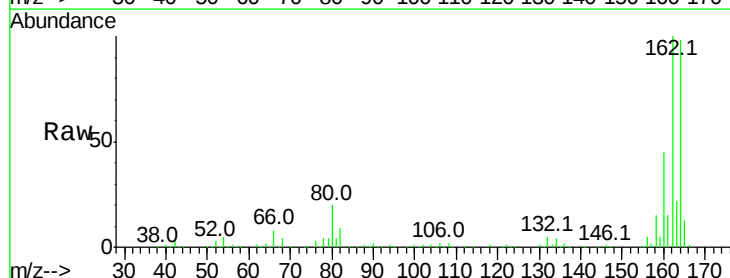
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF099404.D
 Acq: 12 Oct 2017 19:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	86.1	129.1
160	45.8	38.3	57.5





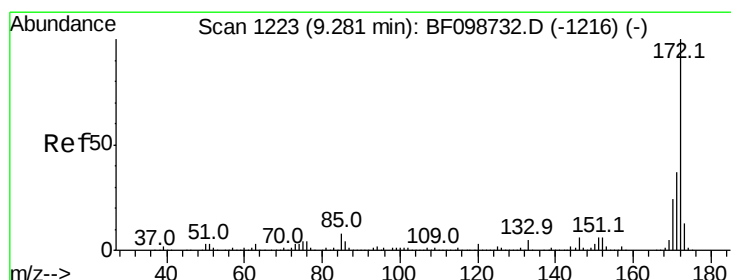
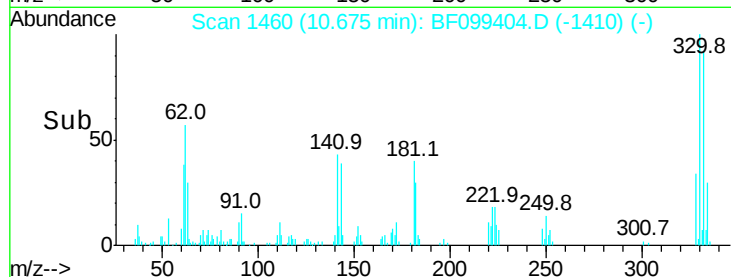
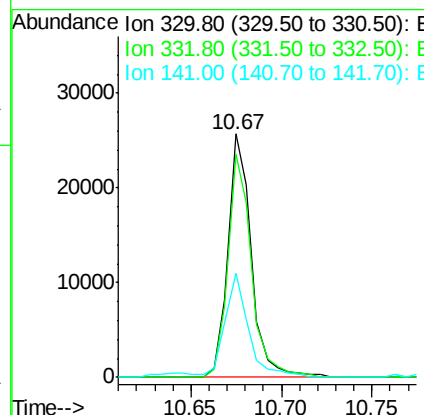
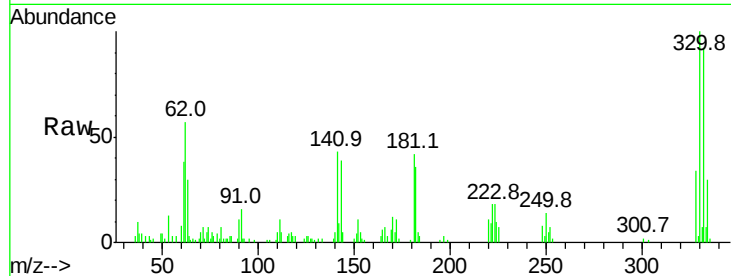
#41
 2,4,6-Tribromophenol
 Concen: 16.122 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099404.D
 Acq: 12 Oct 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 3E-(1-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.2	77.0	115.6
141	42.5	29.9	44.9

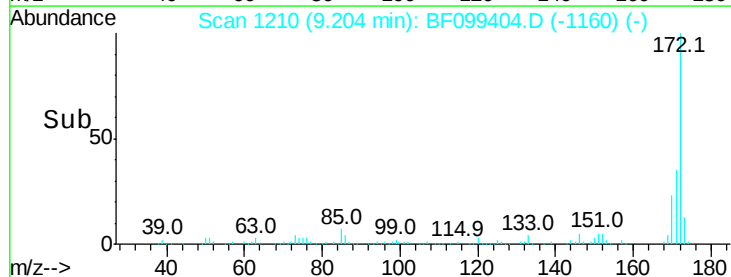
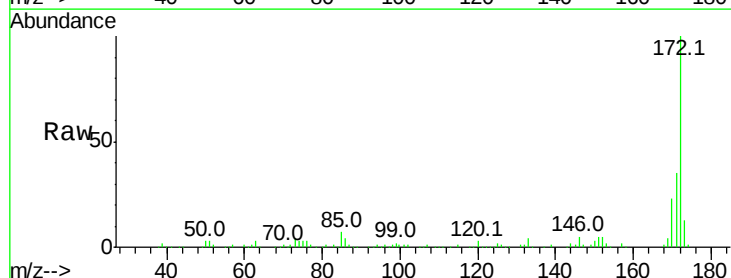
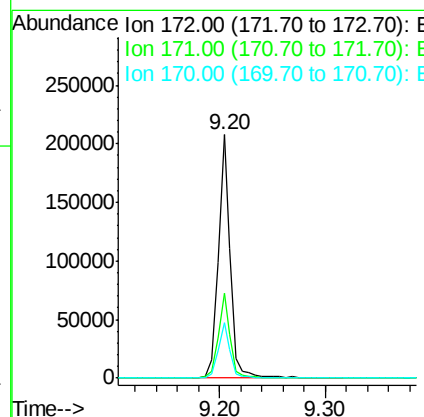
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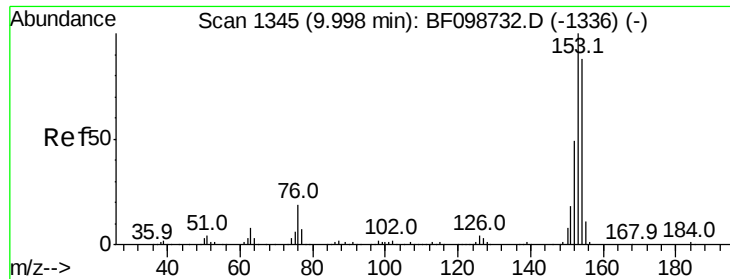
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#44
 2-Fluorobiphenyl
 Concen: 15.997 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099404.D
 Acq: 12 Oct 2017 19:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	22.6	19.6	29.4





#51

Acenaphthene

Concen: 2.706 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF099404.D

Acq: 12 Oct 2017 19:36

Instrument :

BNA_F

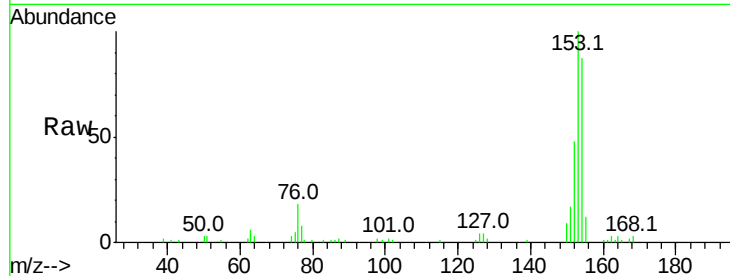
ClientSampled :

3E-(1-2)

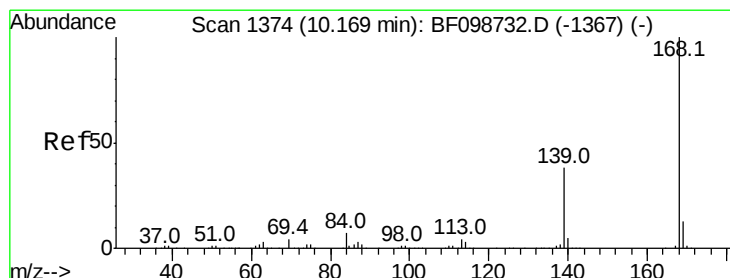
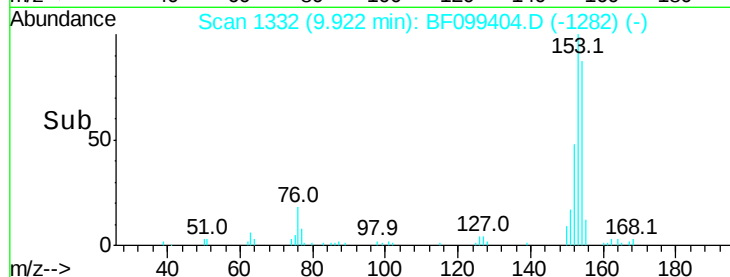
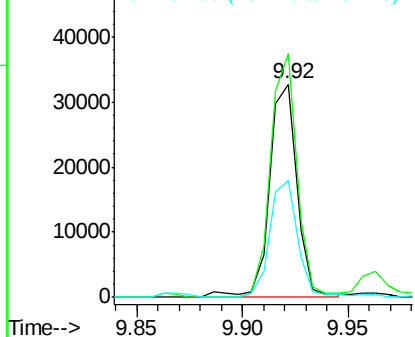
Tot Ion:	154	Resp:	29641
Ion Ratio	Lower	Upper	
154	100		
153	114.4	91.2	136.8
152	55.2	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.367 ng

RT: 10.09 min Scan# 1361

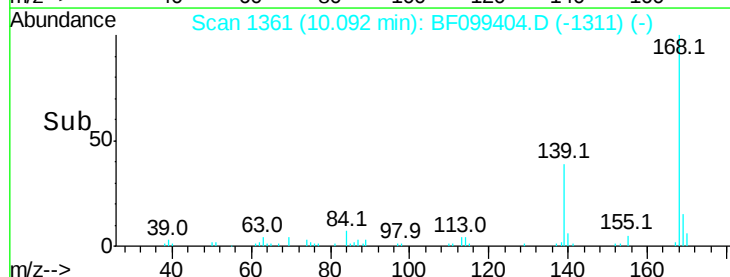
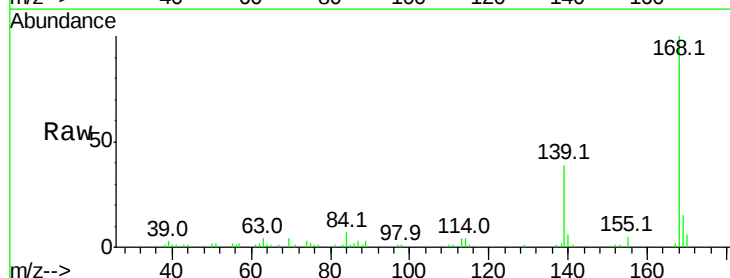
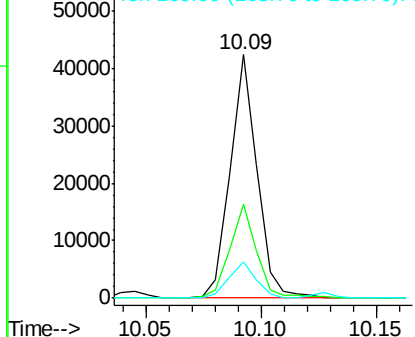
Delta R.T. -0.01 min

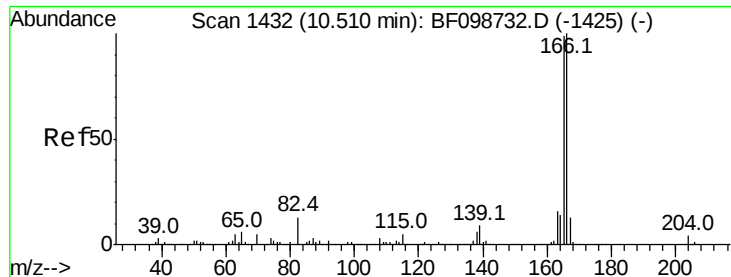
Lab File: BF099404.D

Acq: 12 Oct 2017 19:36

Tgt Ion:	168	Resp:	34521
Ion Ratio	Lower	Upper	
168	100		
139	38.8	30.1	45.1
169	14.7	10.9	16.3

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





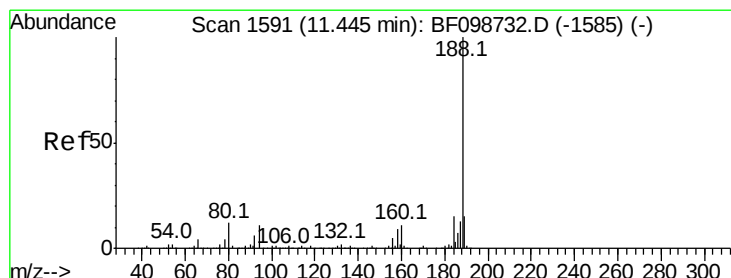
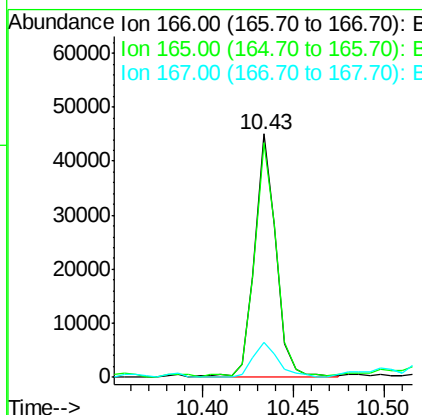
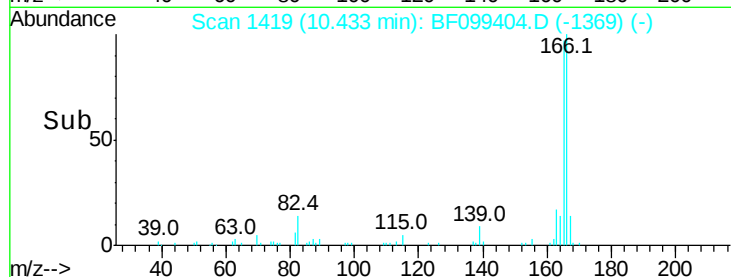
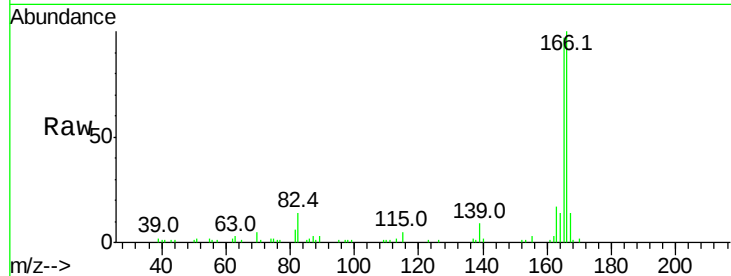
#57
Fluorene
 Concen: 3.165 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF099404.D
 Acq: 12 Oct 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 3E-(1-2)

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.5	79.8	119.8
167	14.4	10.6	16.0

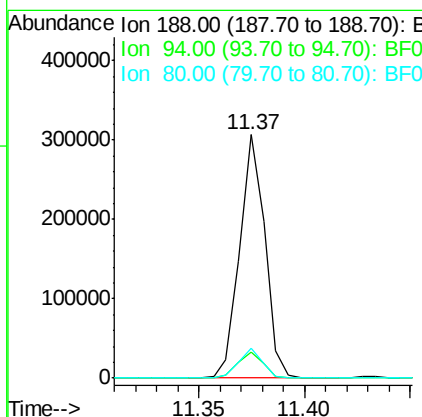
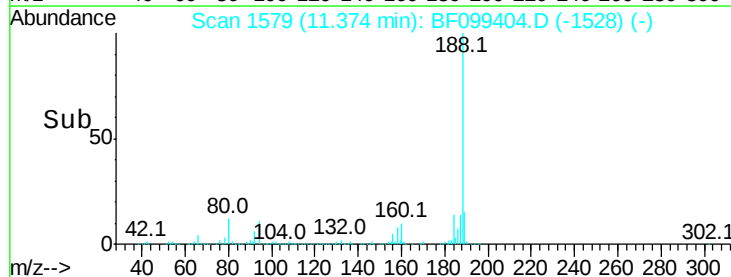
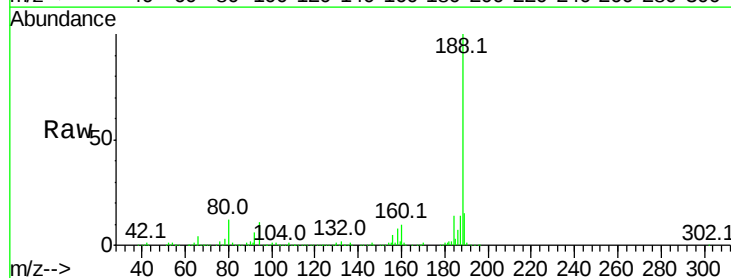
Manual Integrations
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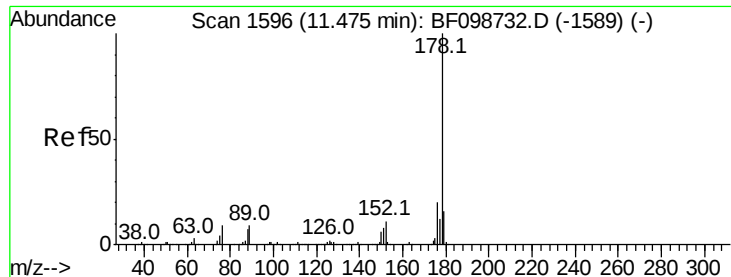
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF099404.D
 Acq: 12 Oct 2017 19:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	12.1	9.2	13.8





#70

Phenanthrene

Concen: 28.662 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF099404.D

Acq: 12 Oct 2017 19:36

Instrument :

BNA_F

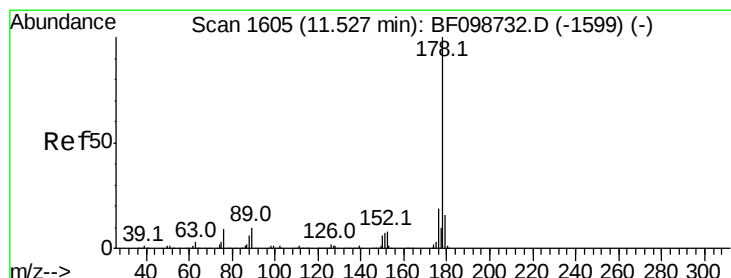
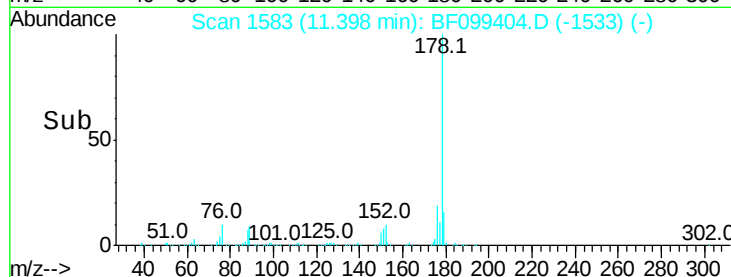
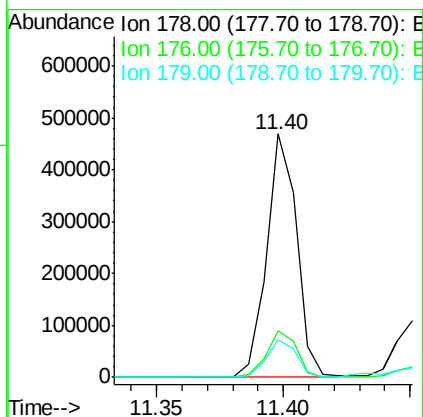
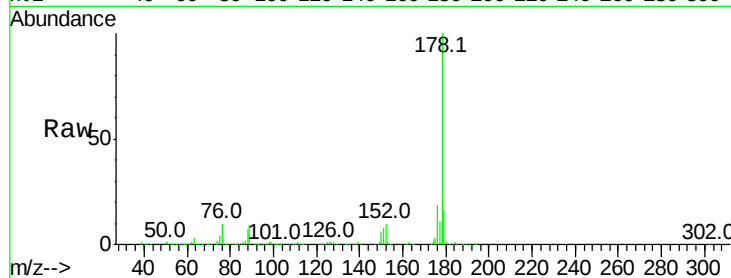
ClientSampleId :

3E-(1-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.5	13.0	19.6

Manual Integrations
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#71

Anthracene

Concen: 6.331 ng

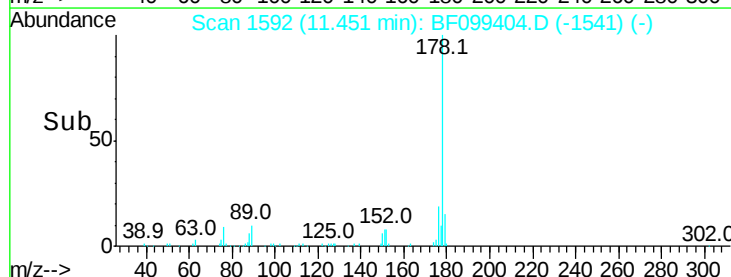
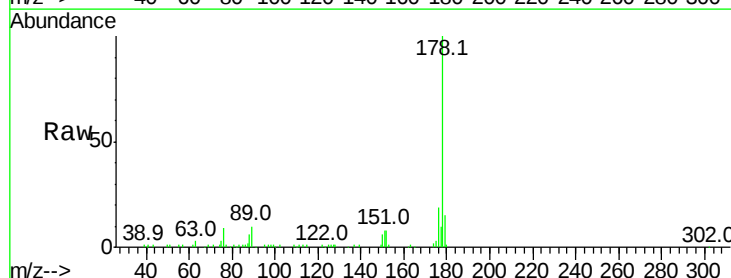
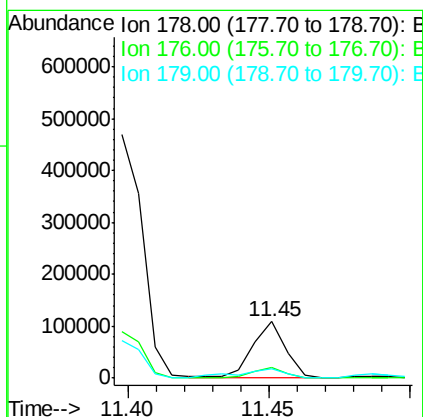
RT: 11.45 min Scan# 1592

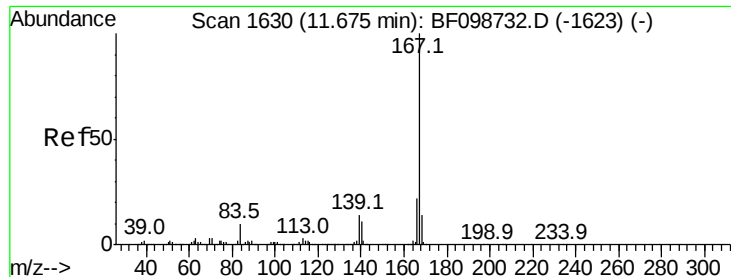
Delta R.T. 0.00 min

Lab File: BF099404.D

Acq: 12 Oct 2017 19:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.4	12.6	19.0





#72

Carbazole

Concen: 3.365 ng

RT: 11.61 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BF099404.D

Acq: 12 Oct 2017 19:36

Instrument :

BNA_F

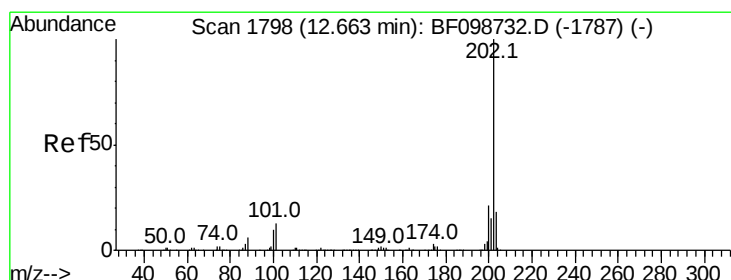
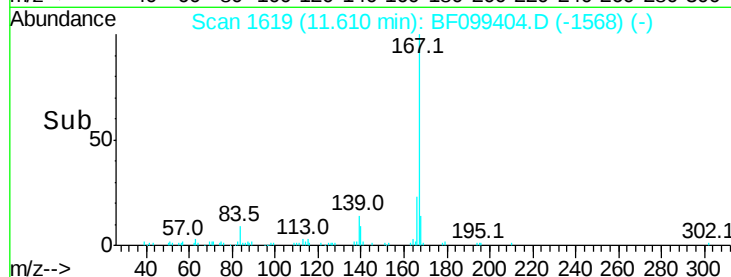
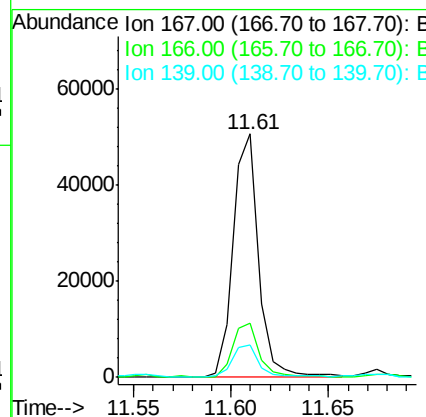
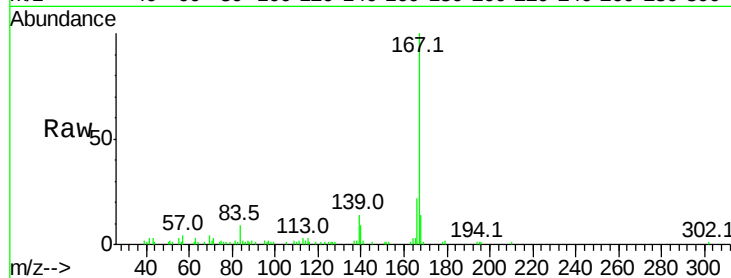
ClientSampleId :

3E-(1-2)

Tot Ion:	167	Resp:	45767
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.6	26.4
139	13.6	10.9	16.3

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#74

Fluoranthene

Concen: 44.426 ng

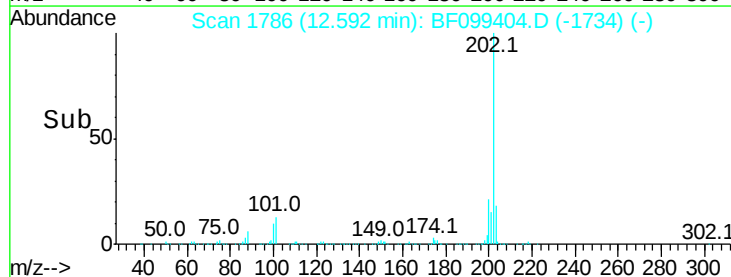
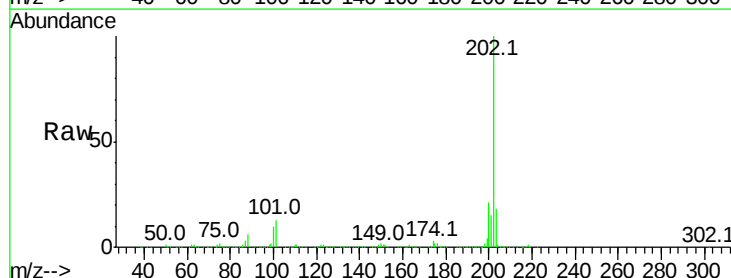
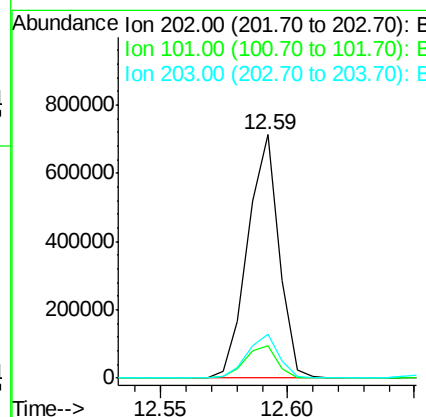
RT: 12.59 min Scan# 1786

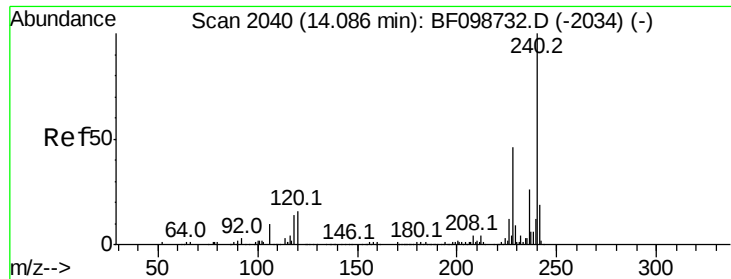
Delta R.T. 0.01 min

Lab File: BF099404.D

Acq: 12 Oct 2017 19:36

Tgt Ion:	202	Resp:	610735
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	34.1
203	18.0	0.0	38.1





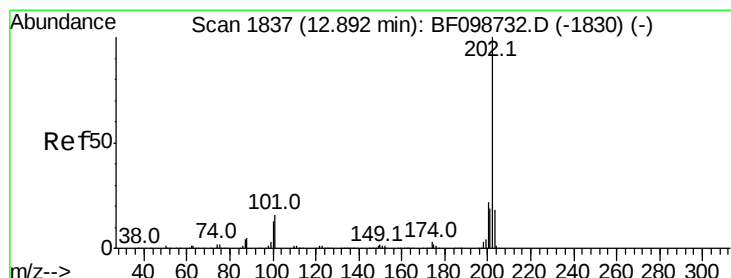
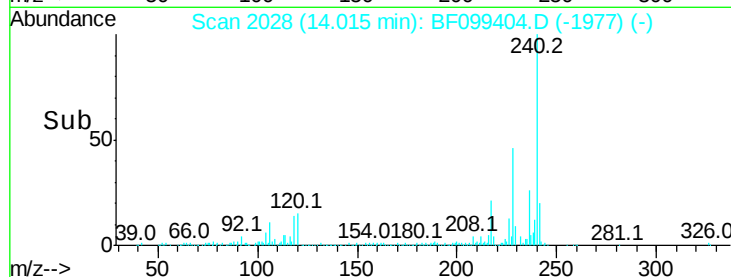
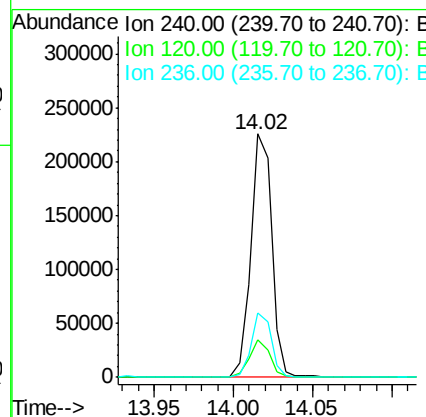
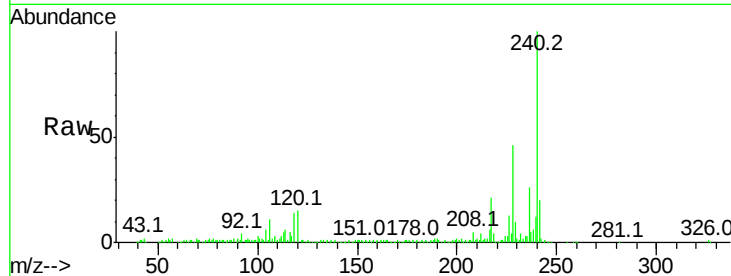
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF099404.D
Acq: 12 Oct 2017 19:36

Instrument :
BNA_F
ClientSampleId :
3E-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	206588		
120	15.5	9.5	14.3	
236	26.2	20.7	31.1	

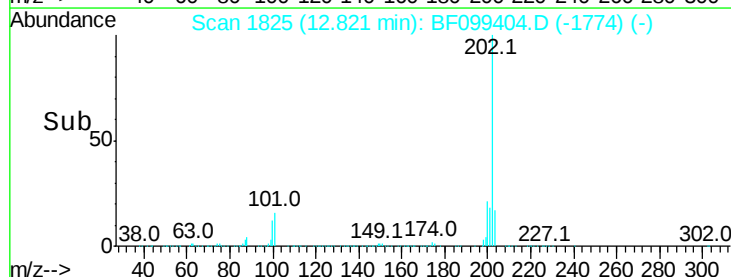
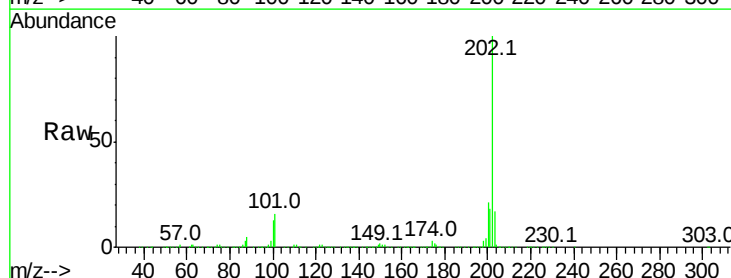
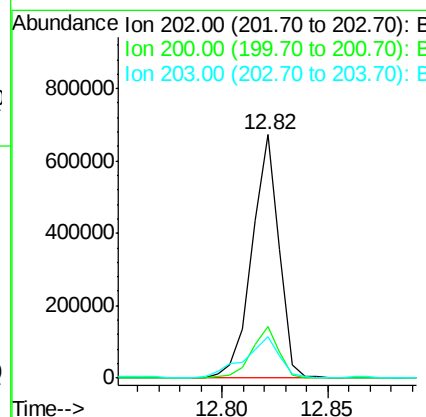
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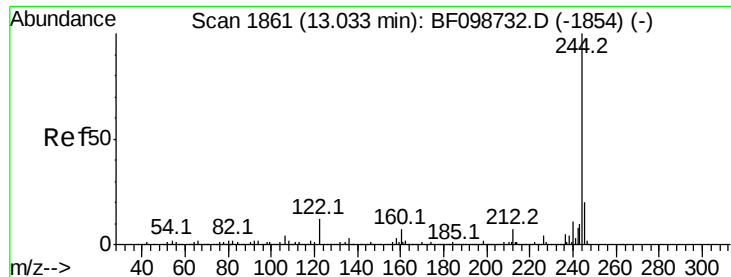
Sohil
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#77
Pyrene
Concen: 37.956 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF099404.D
Acq: 12 Oct 2017 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	597933		
200	21.4	17.4	26.2	
203	17.0	14.3	21.5	





#78

Terphenyl-d14

Concen: 10.928 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF099404.D

Acq: 12 Oct 2017 19:36

Instrument :

BNA_F

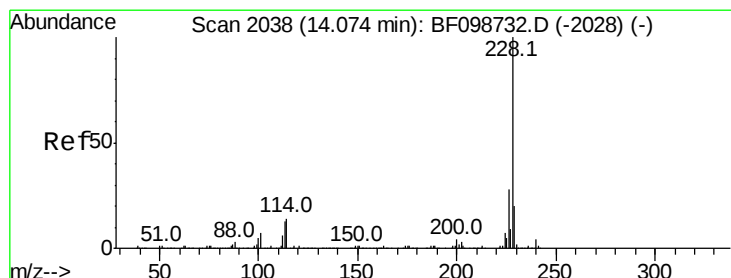
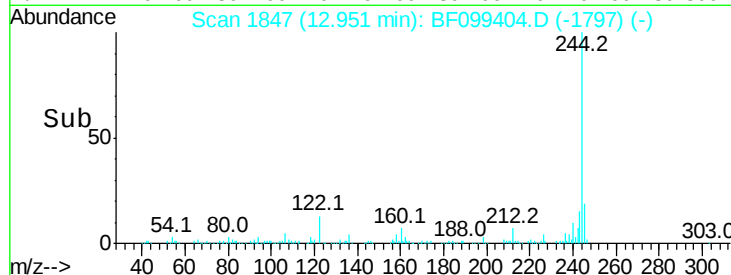
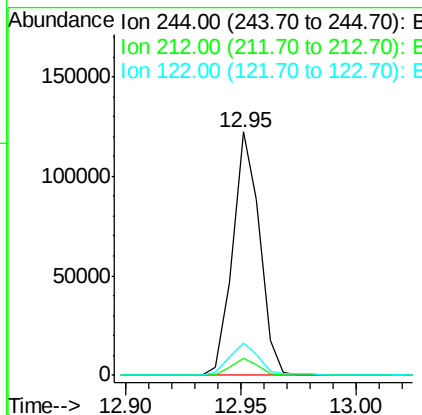
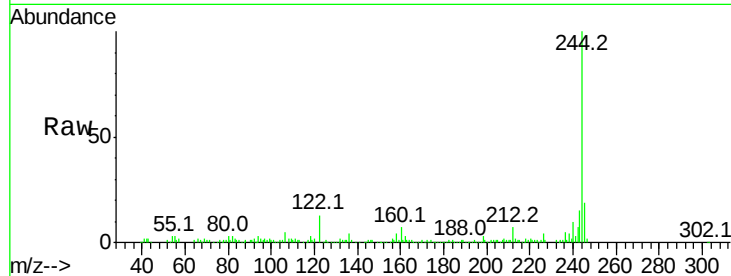
ClientSampled :

3E-(1-2)

Tot Ion:	244	Resp:	99273
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	13.2	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 22.020 ng

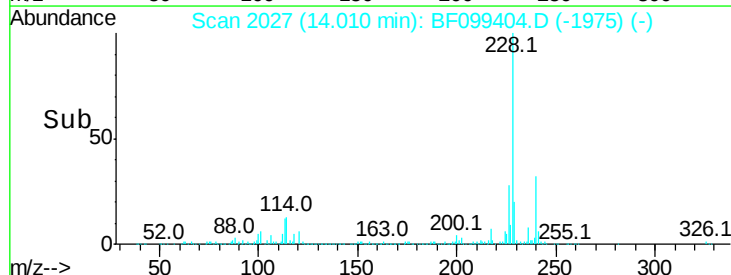
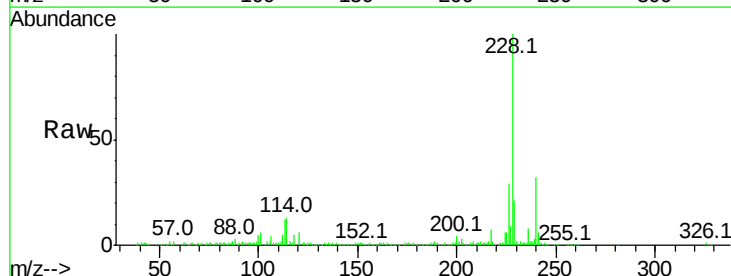
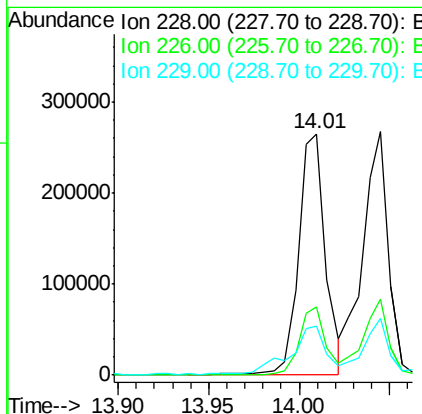
RT: 14.01 min Scan# 2027

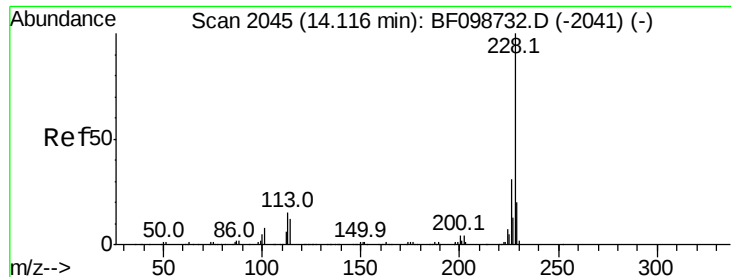
Delta R.T. 0.01 min

Lab File: BF099404.D

Acq: 12 Oct 2017 19:36

Tgt Ion:	228	Resp:	275455
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.6	33.8
229	20.6	15.8	23.6





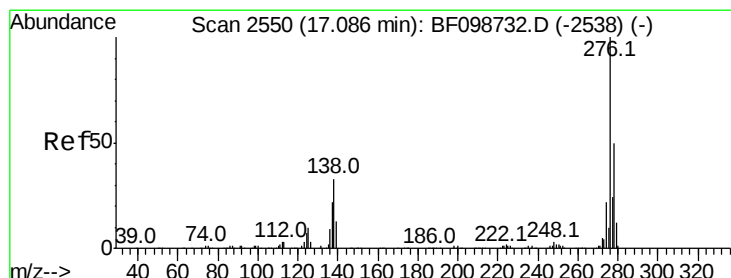
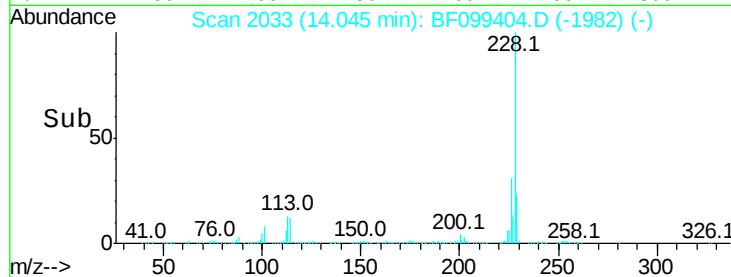
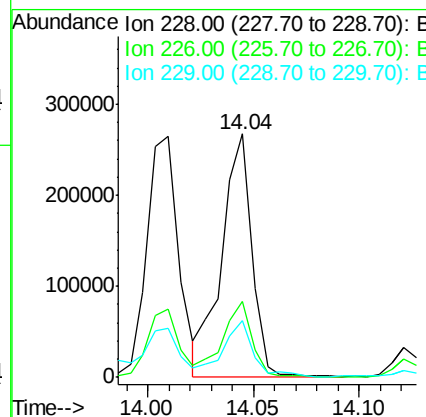
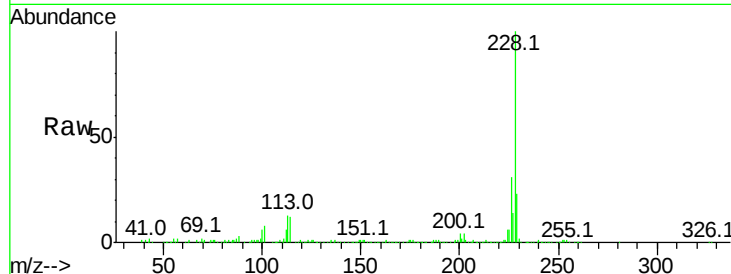
#82
 Chrysene
 Concen: 22.216 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: BF099404.D
 Acq: 12 Oct 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 3E-(1-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	23.2	16.2	24.4

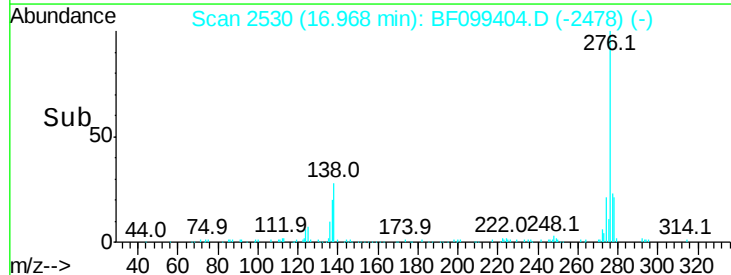
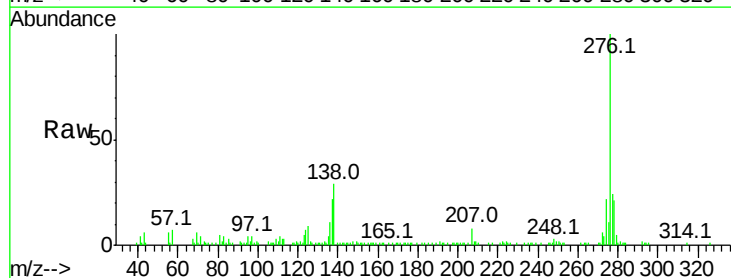
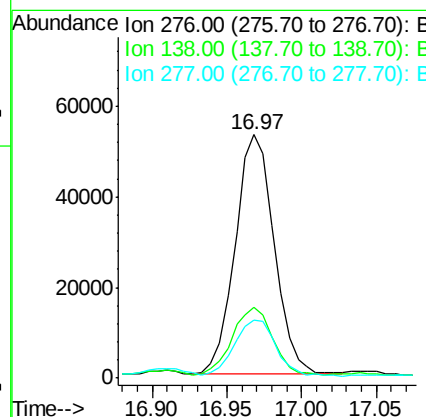
Manual Integrations
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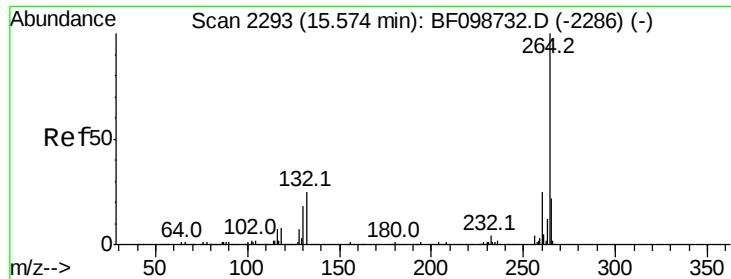
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.129 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. 0.01 min
 Lab File: BF099404.D
 Acq: 12 Oct 2017 19:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.0	25.0	37.6
277	24.5	20.1	30.1





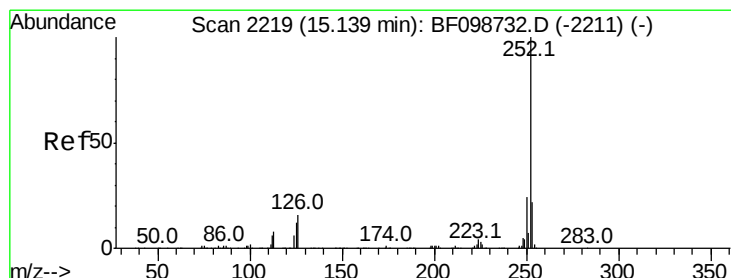
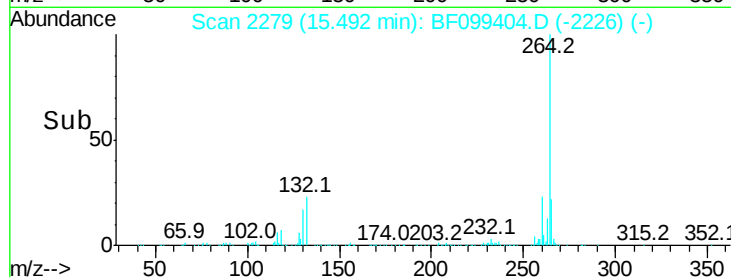
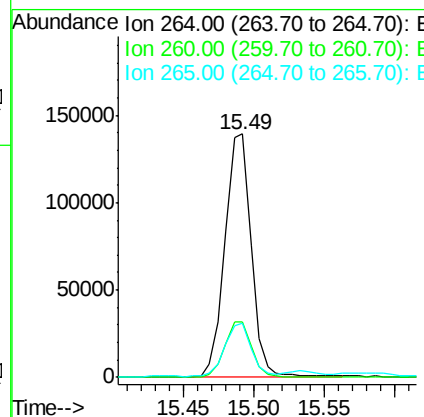
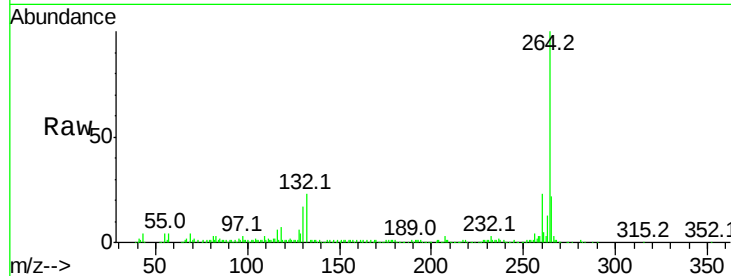
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.01 min
Lab File: BF099404.D
Acq: 12 Oct 2017 19:36

Instrument :
BNA_F
ClientSampled :
3E-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.0	19.2	28.8	
265	22.4	17.5	26.3	

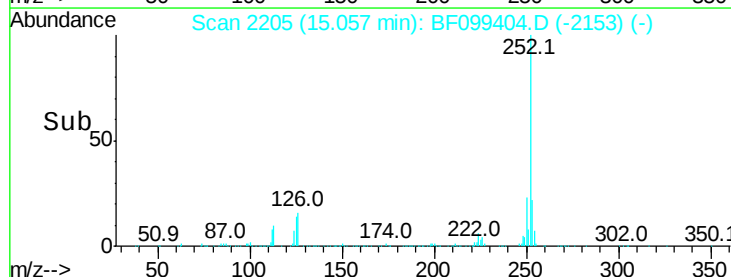
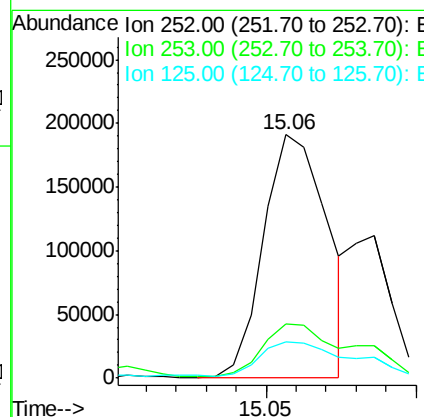
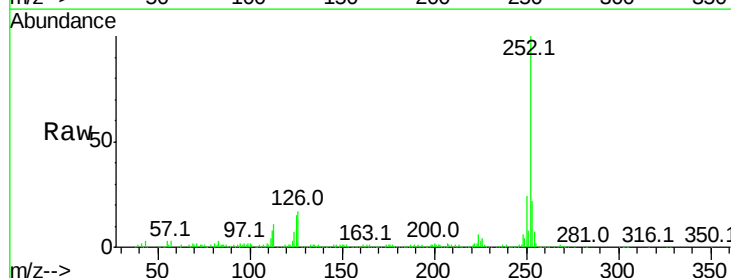
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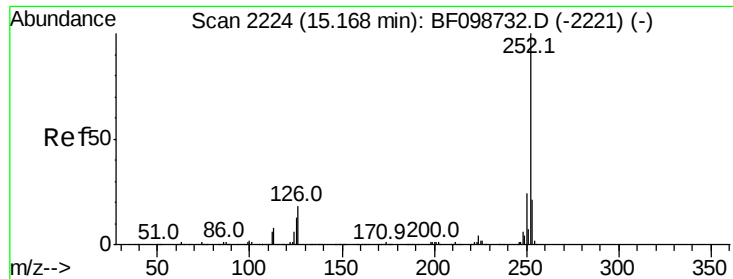
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#87
Benzo(b)fluoranthene
Concen: 25.108 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099404.D
Acq: 12 Oct 2017 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.5	17.0	25.6	
125	14.7	9.0	13.6	





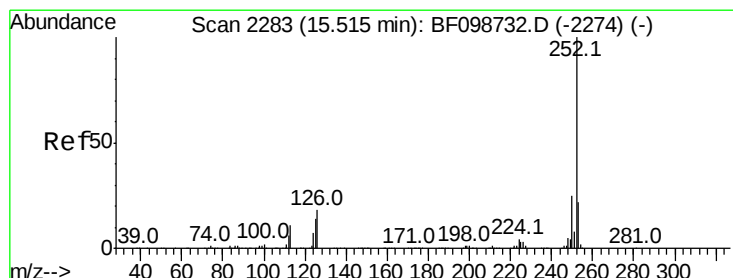
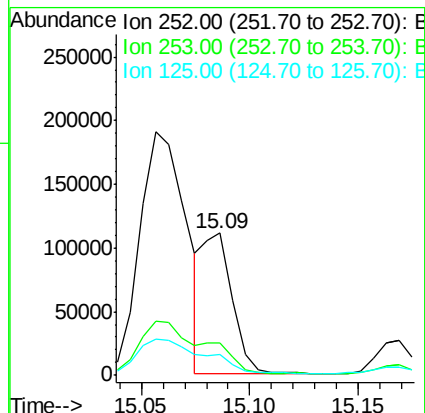
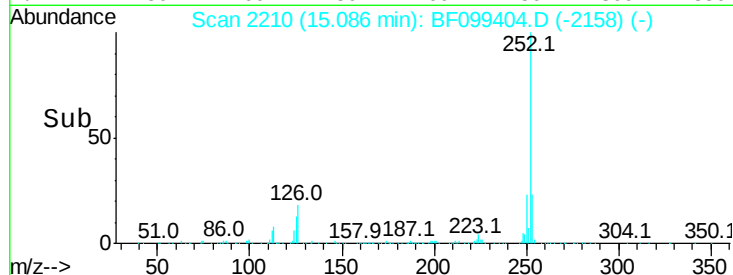
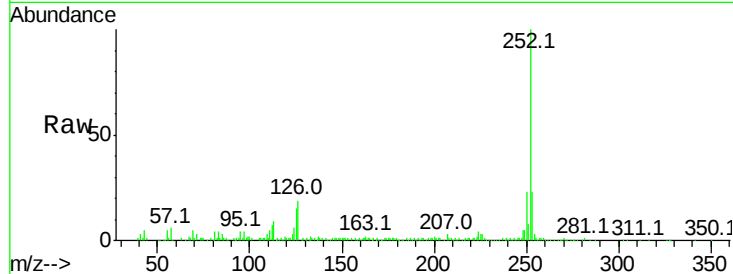
#88
Benzo(k)fluoranthene
Concen: 9.403 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF099404.D
Acq: 12 Oct 2017 19:36

Instrument :
BNA_F
ClientSampled :
3E-(1-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	14.6	10.2	15.2

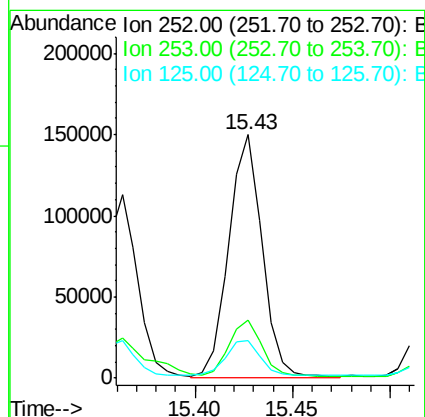
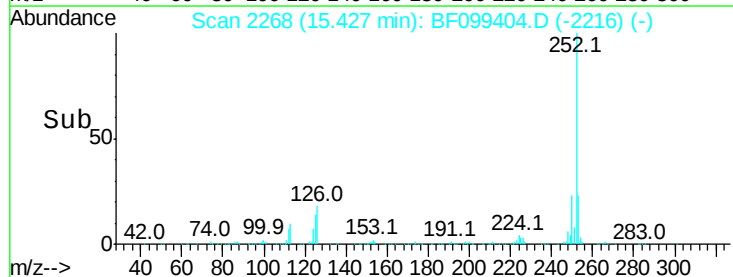
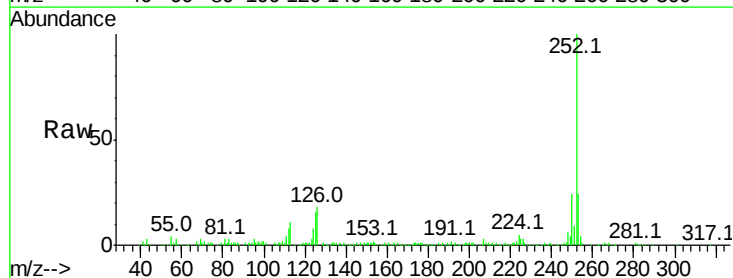
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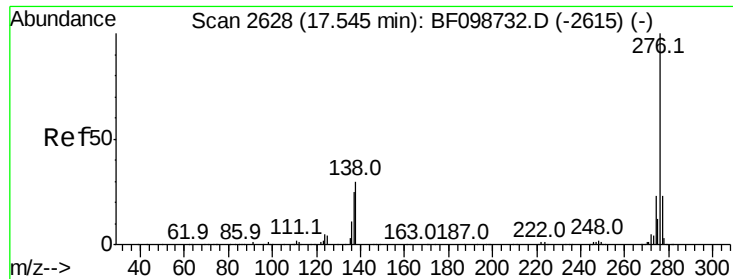
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#89
Benzo(a)pyrene
Concen: 17.164 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099404.D
Acq: 12 Oct 2017 19:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	15.5	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 11.327 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.01 min

Lab File: BF099404.D

Acq: 12 Oct 2017 19:36

Instrument :

BNA_F

ClientSampleId :

3E-(1-2)

Tot Ion: 276 Resp: 92238

Ion Ratio Lower Upper

276 100

277 25.7 17.9 26.9

138 31.6 21.8 32.8

Manual Integrations

APPROVED

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