

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099787.D
 Acq On : 24 Oct 2017 14:48
 Operator : SJ/JU
 Sample : I6028-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 15-40-RT4651

Manual Integrations
 APPROVED

Sohil
 10/25/2017 6:25:16 PM

Quant Time: Oct 24 18:23:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 23:39:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	102007	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	435013	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	202626	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	343223	20.00	ng	0.00
75) Chrysene-d12	13.98	240	200162	20.00	ng	0.00
86) Perylene-d12	15.45	264	205230	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	536285	82.54	ng	0.00
7) Phenol-d6	6.45	99	643165	83.48	ng	0.00
23) Nitrobenzene-d5	7.37	82	372380	55.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	138169	74.82	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	674936	51.39	ng	0.00
78) Terphenyl-d14	12.92	244	471625	51.49	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.80	142	31297	2.224	ng	98
51) Acenaphthene	9.87	154	88309	7.049	ng	98
57) Fluorene	10.39	166	91490	6.248	ng	97
70) Phenanthrene	11.36	178	1037803	53.579	ng	99
71) Anthracene	11.41	178	242343	12.326	ng	98
74) Fluoranthene	12.55	202	585506	29.087	ng	100
77) Pyrene	12.79	202	781398	51.340	ng	98
80) Benzo(a)anthracene	13.97	228	254481	20.055	ng	97
82) Chrysene	14.01	228	275922	23.130	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	81056	7.401	ng	98
87) Benzo(b)fluoranthene	15.02	252	200658m	15.484	ng	
88) Benzo(k)fluoranthene	15.04	252	70767m	5.791	ng	
89) Benzo(a)pyrene	15.39	252	187279	16.088	ng	97
90) Dibenzo(a,h)anthracene	16.92	278	23312	2.254	ng	# 76
91) Benzo(a,h,i)perylene	17.37	276	90879	8.980	ng	98

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

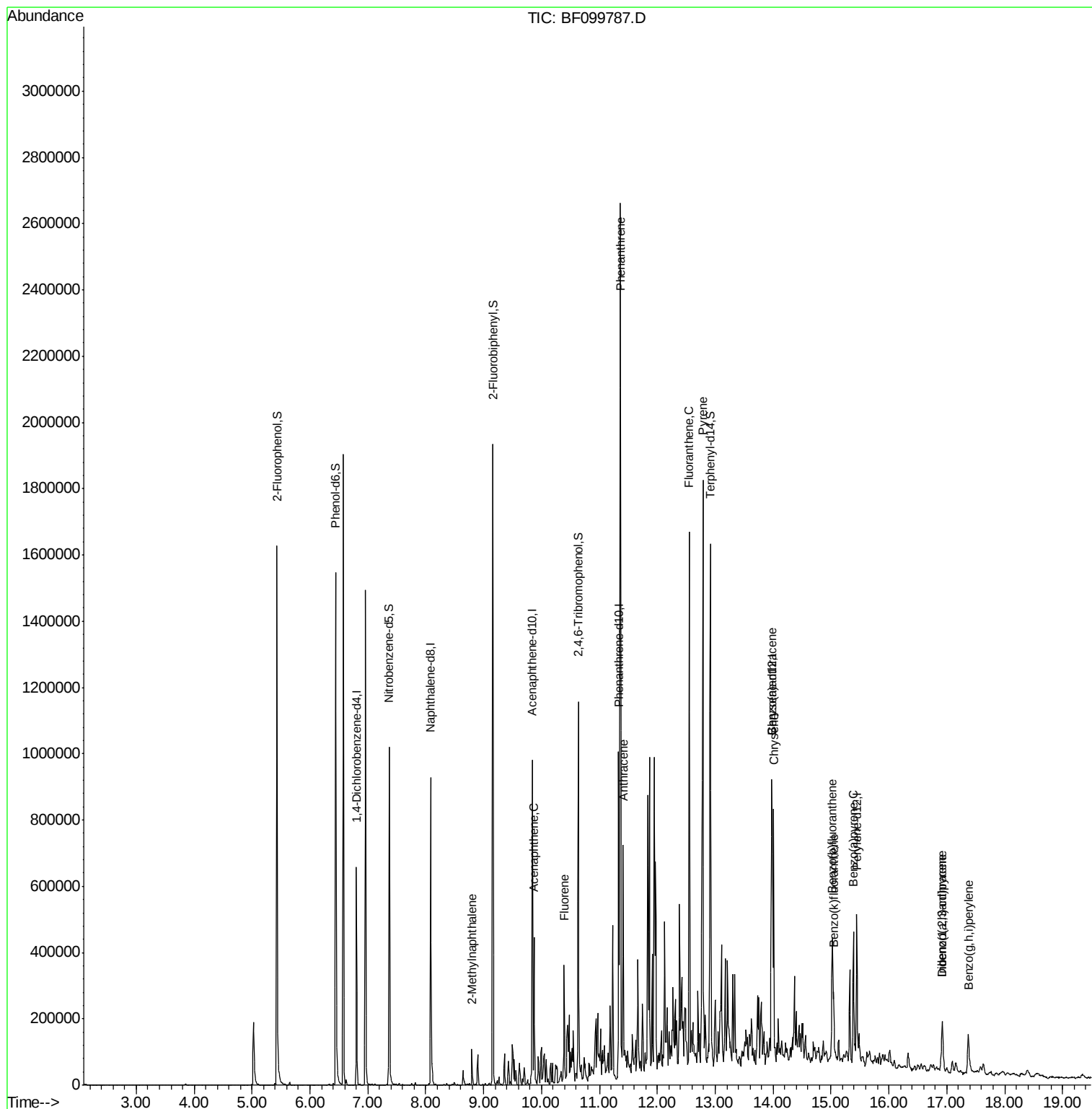
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
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#1

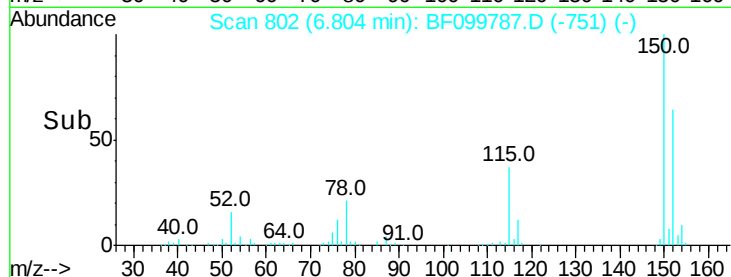
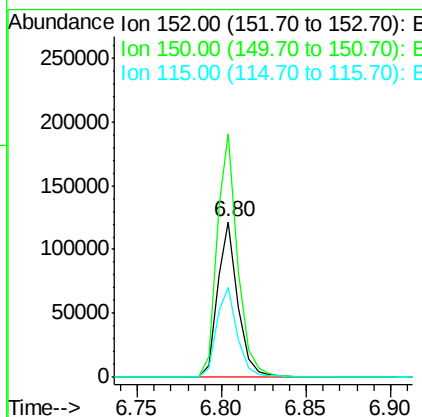
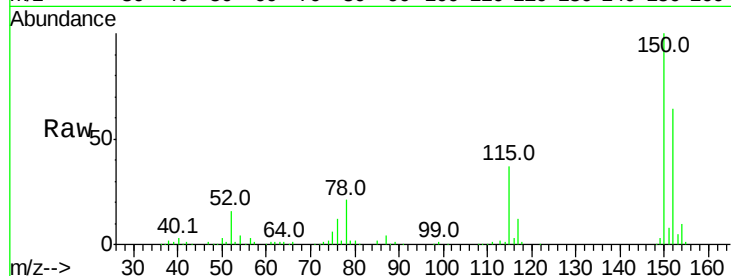
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Instrument :
BNA_F
ClientSampleId :
15-40-RT4651

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	57.9	50.1	75.1

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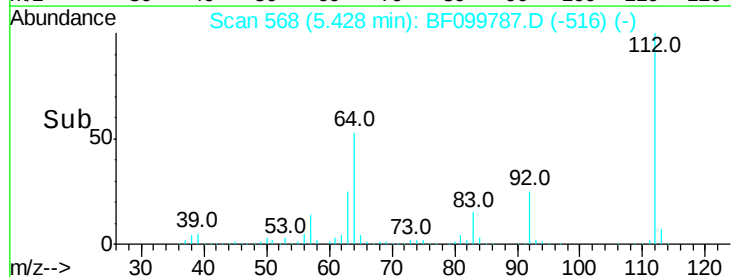
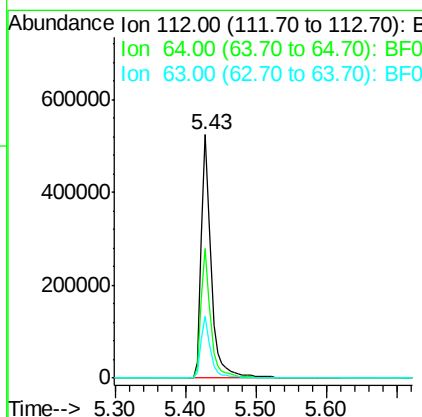
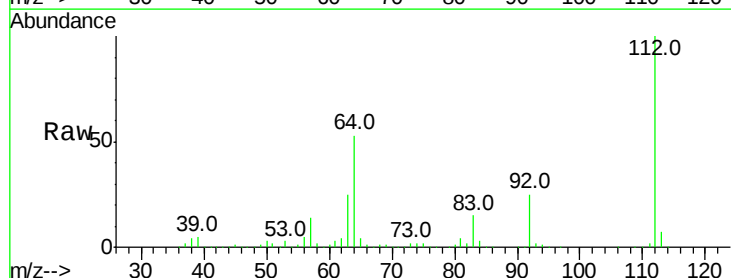
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#5

2-Fluorophenol
Concen: 82.538 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	47.9	71.9
63	25.2	23.7	35.5





#7

Phenol-d6

Concen: 83.484 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

Instrument :

BNA_F

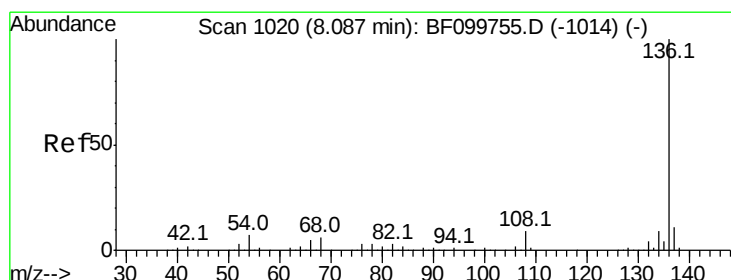
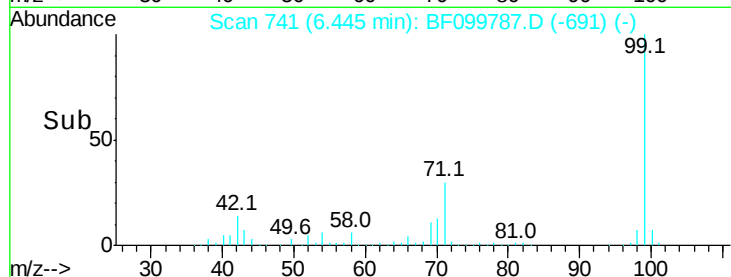
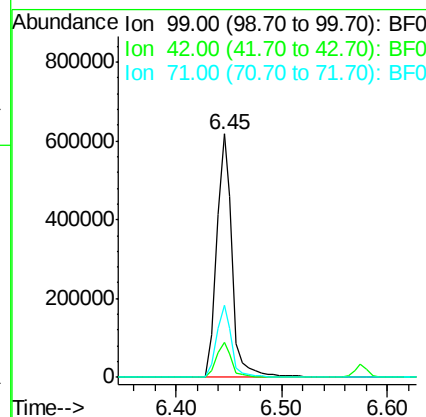
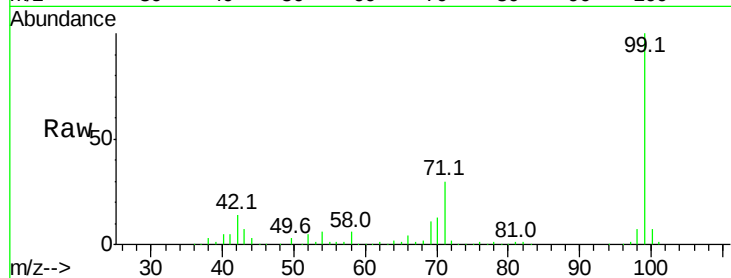
ClientSampleId :

15-40-RT4651

Tot Ion	Ratio	Lower	Upper
99	100		
42	14.4	14.5	21.7#
71	29.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

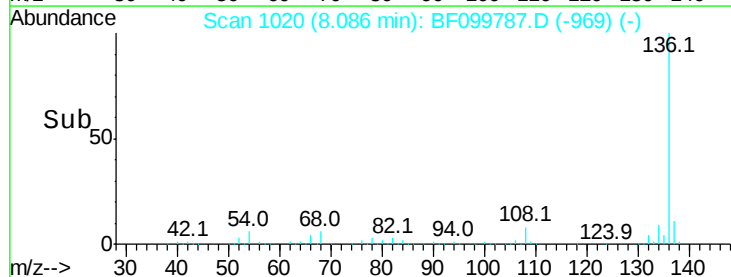
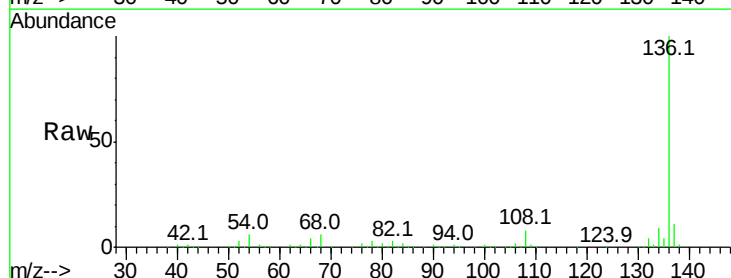
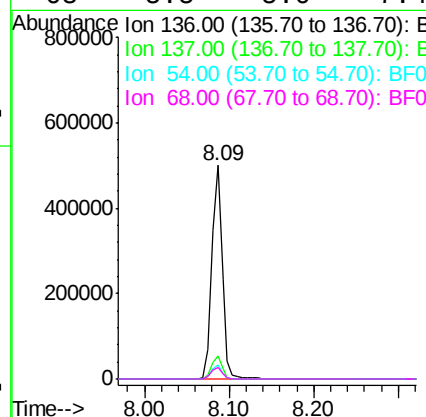
RT: 8.09 min Scan# 1020

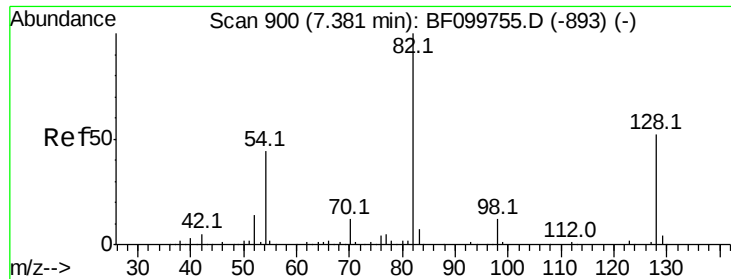
Delta R.T. -0.00 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.4	6.6	9.8#
68	5.5	5.0	7.4





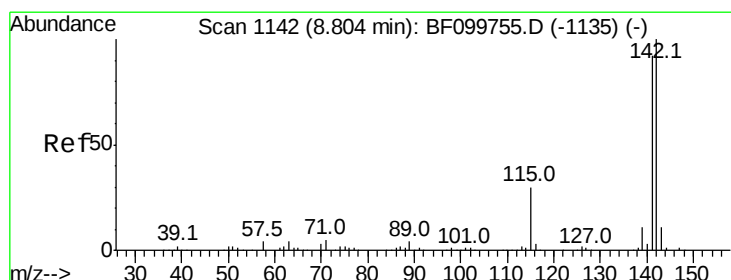
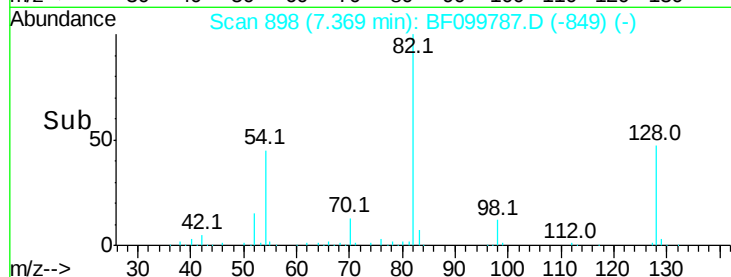
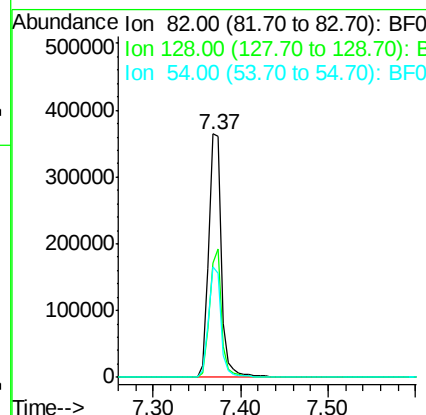
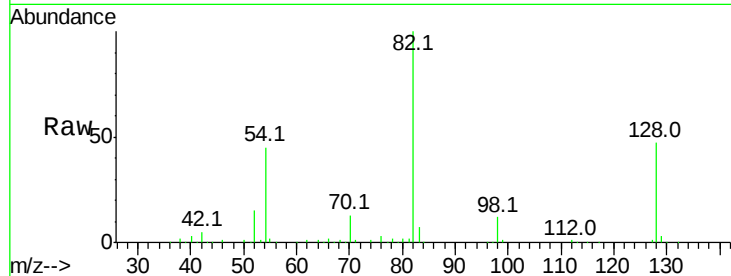
#23
 Nitrobenzene-d5
 Concen: 55.111 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Instrument :
 BNA_F
 ClientSampleID :
 15-40-RT4651

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.1	54.1
54	45.4	41.4	62.2

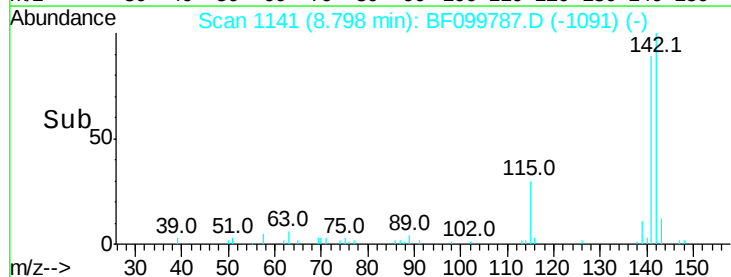
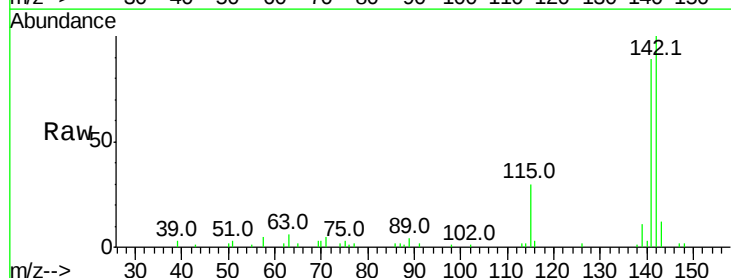
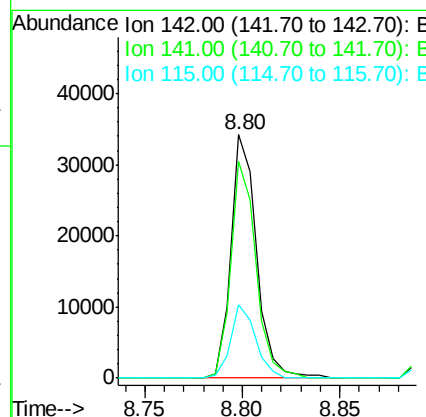
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#37
 2-Methylnaphthalene
 Concen: 2.224 ng
 RT: 8.80 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.8	106.2
115	30.1	26.1	39.1





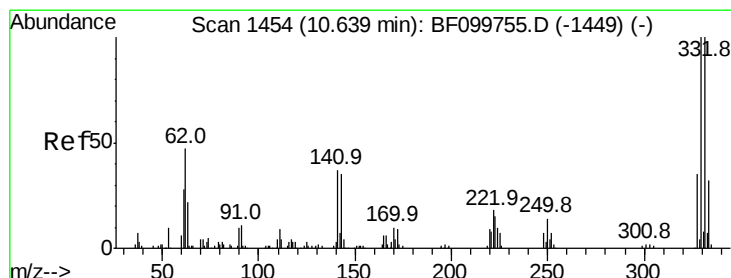
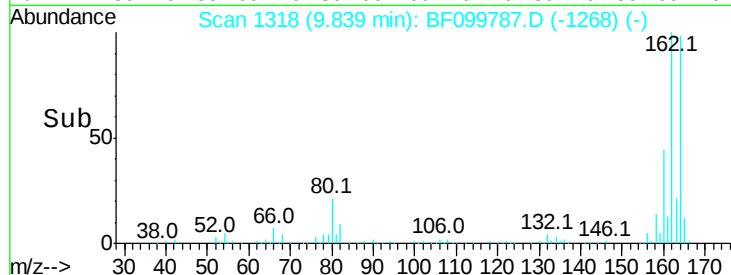
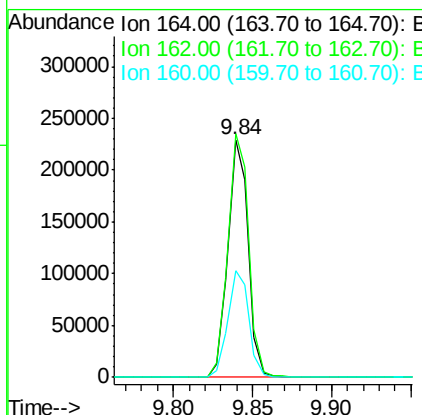
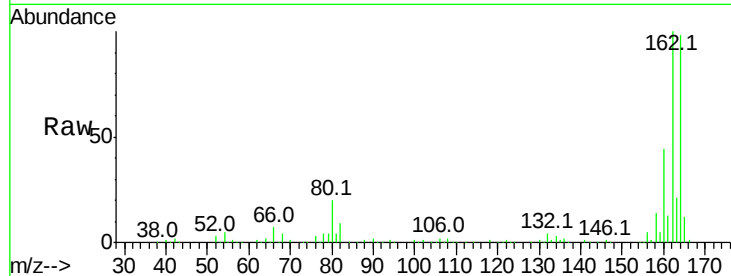
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Instrument :
BNA_F
ClientSampleId :
15-40-RT4651

Tot Ion	Ratio	Resp	Lower	Upper
164	100	202626		
162	102.5	86.1	129.1	
160	44.7	38.3	57.5	

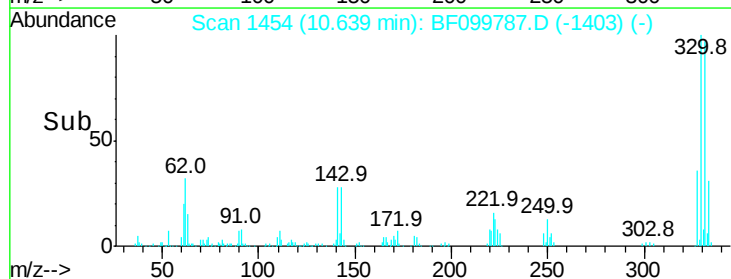
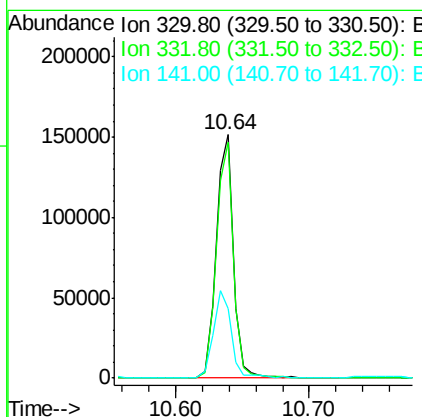
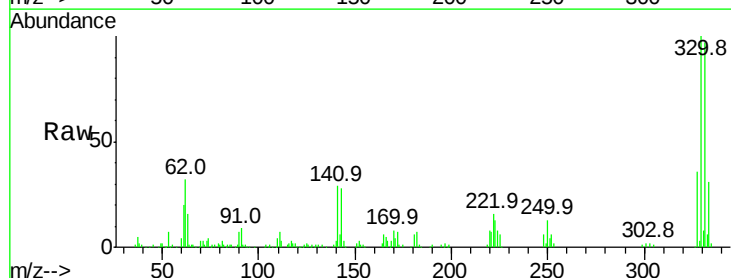
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#41
2,4,6-Tribromophenol
Concen: 74.825 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	138169		
332	96.8	77.0	115.6	
141	38.6	29.9	44.9	





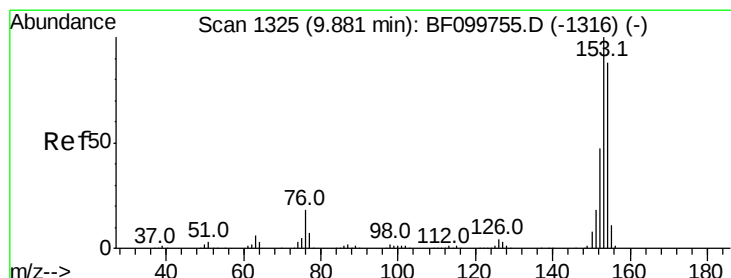
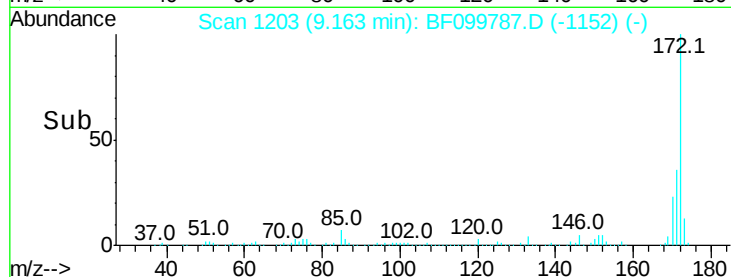
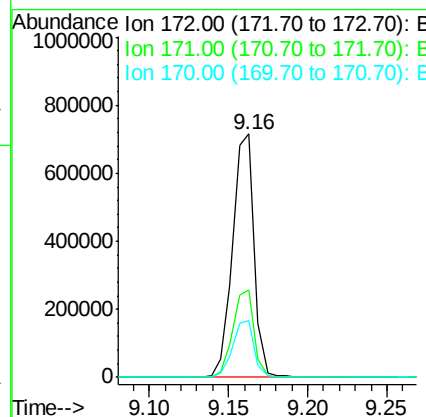
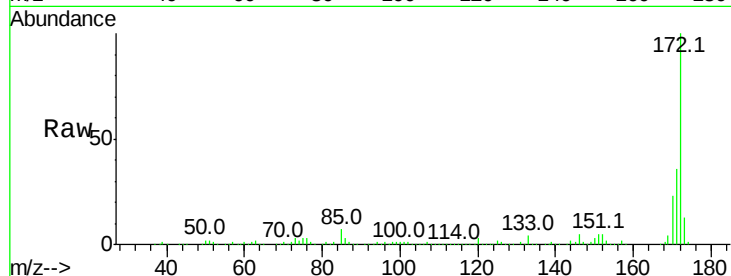
#44
2-Fluorobiphenyl
Concen: 51.391 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Instrument :
BNA_F
ClientSampleId :
15-40-RT4651

Tot Ion	Ratio	Resp	Lower	Upper
172	100	674936		
171	36.1		29.7	44.5
170	23.2		19.6	29.4

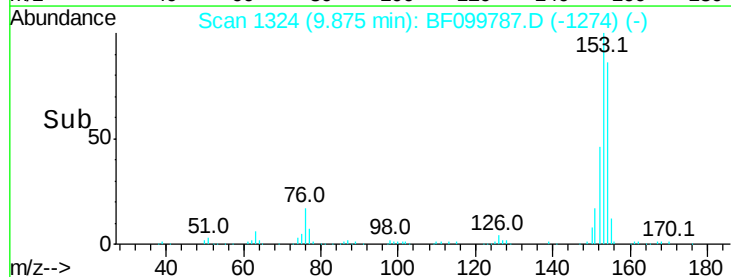
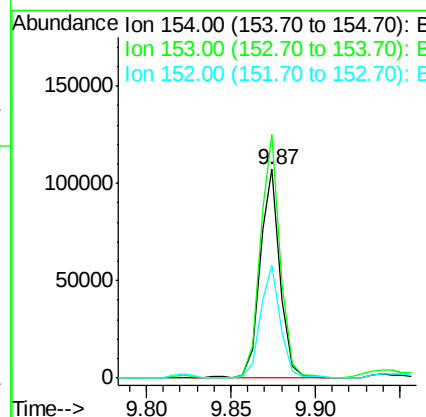
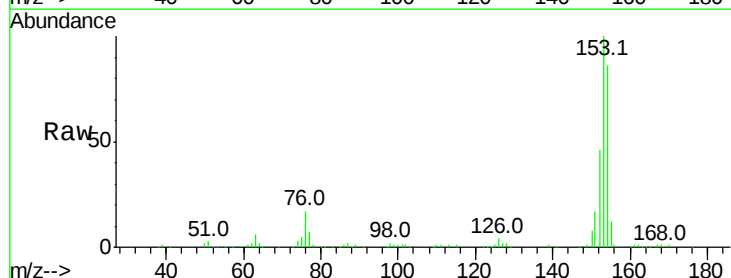
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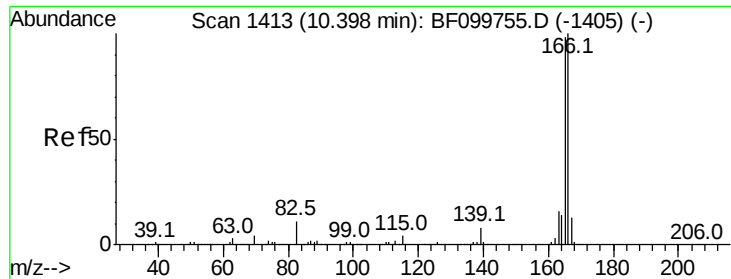
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#51
Acenaphthene
Concen: 7.049 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	88309		
153	116.7		91.2	136.8
152	54.0		43.8	65.8





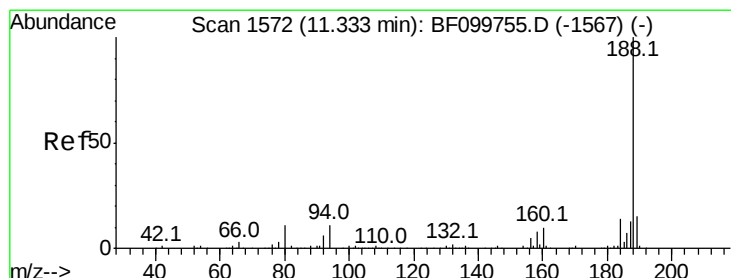
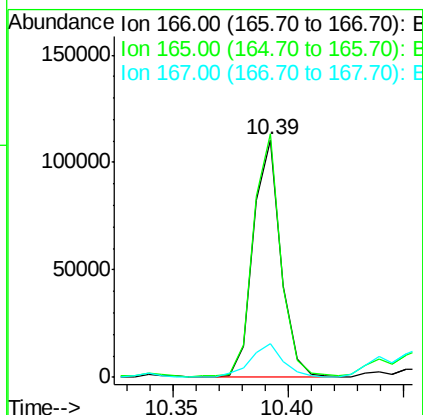
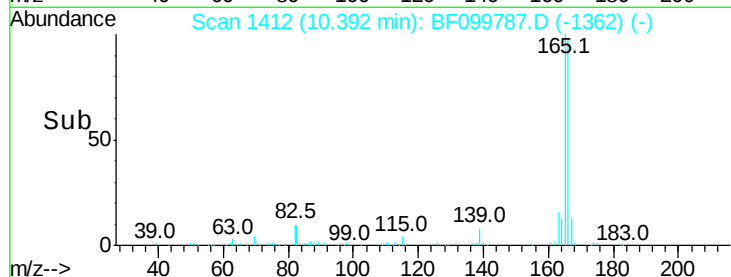
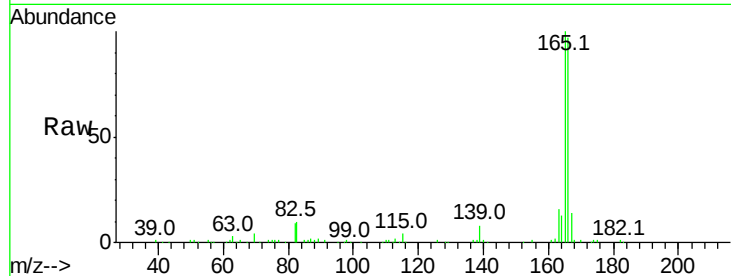
#57
 Fluorene
 Concen: 6.248 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :
 15-40-RT4651

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.6	79.8	119.8
167	14.4	10.6	16.0

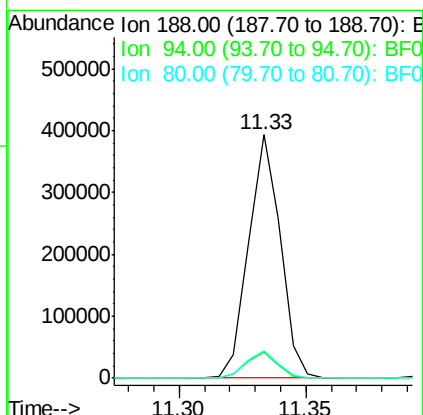
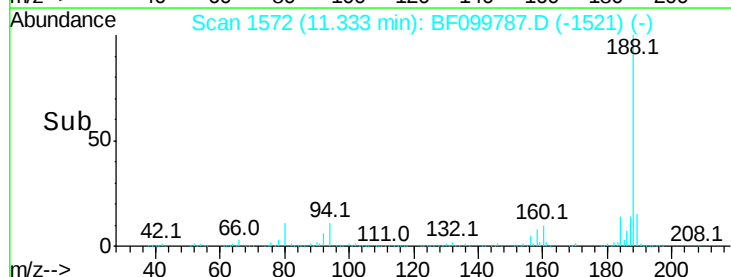
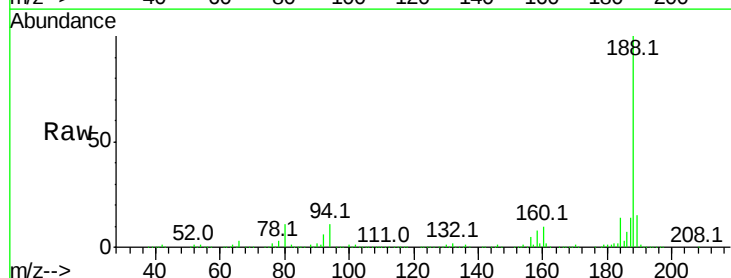
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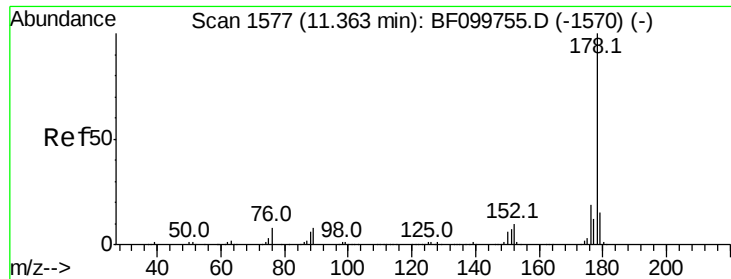
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.0	9.2	13.8





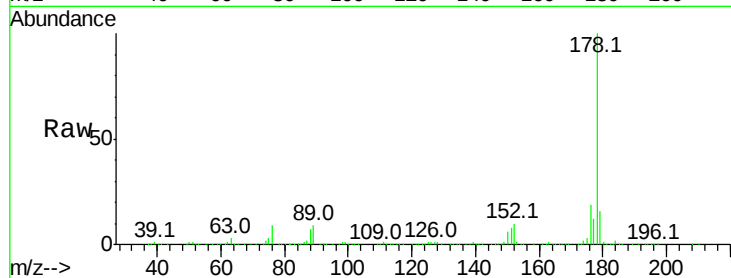
#70
Phenanthrene
Concen: 53.579 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Instrument :
BNA_F
ClientSampleId :
15-40-RT4651

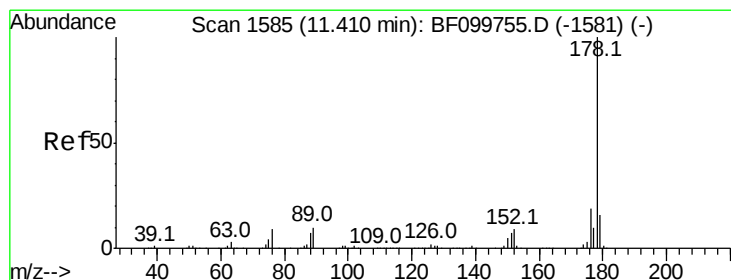
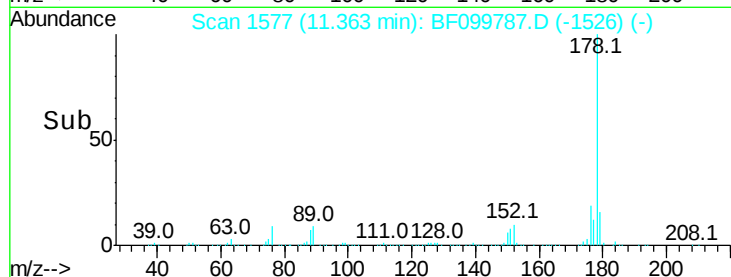
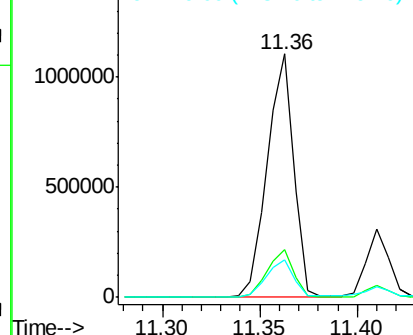
Tot Ion:178 Resp: 1037803
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.6 13.0 19.6

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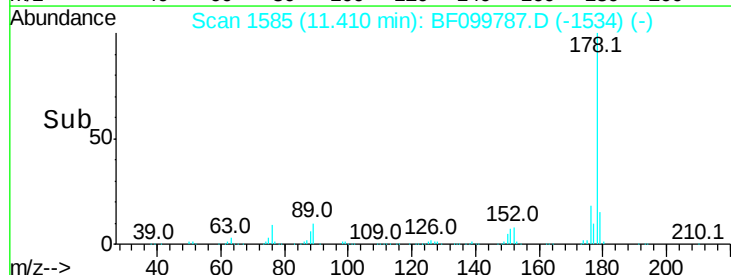
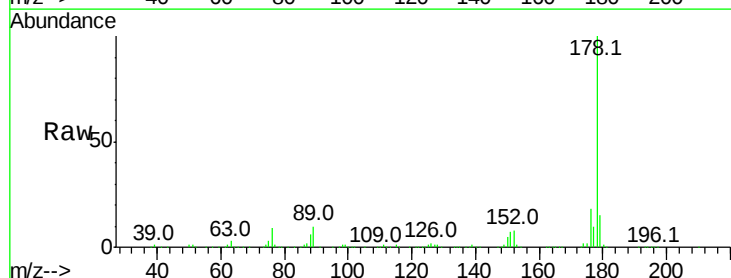
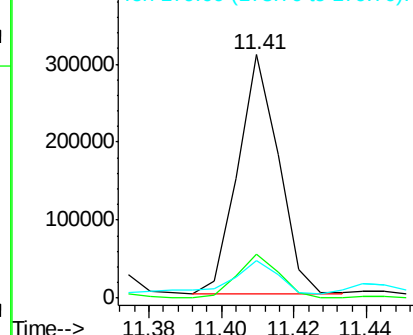
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

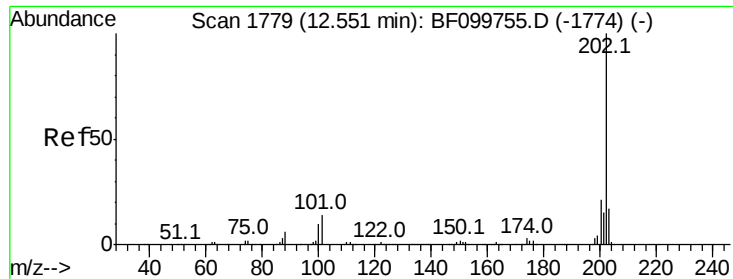


#71
Anthracene
Concen: 12.326 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Tgt Ion:178 Resp: 242343
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.2
179 15.4 12.6 19.0

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: 29.087 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

Instrument :

BNA_F

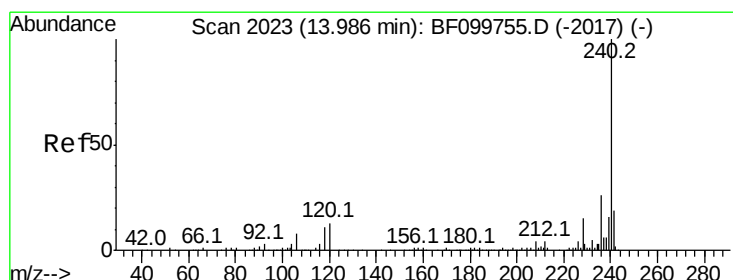
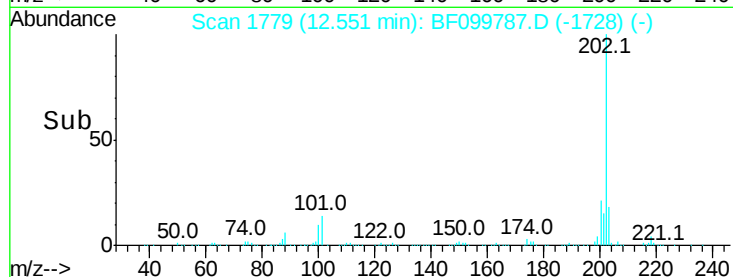
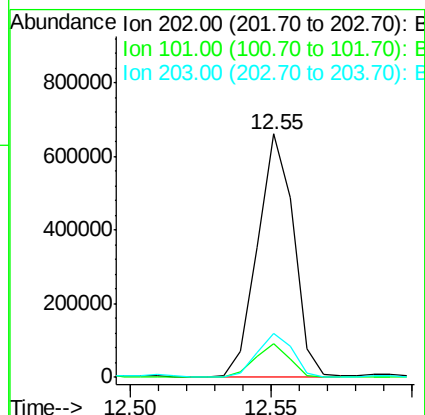
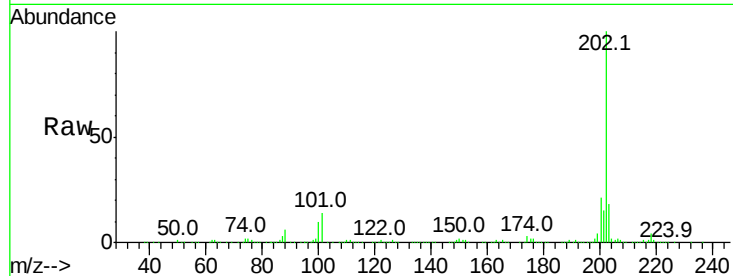
ClientSampleId :

15-40-RT4651

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	14.1	0.0	34.1	
203	18.0	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

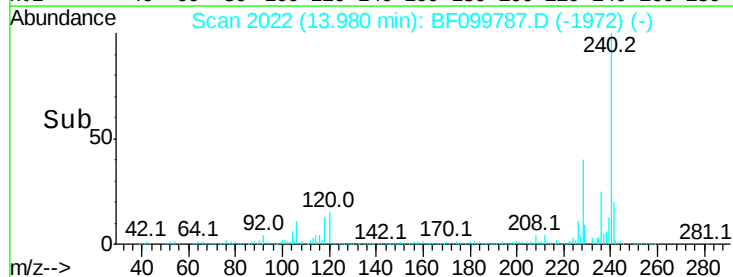
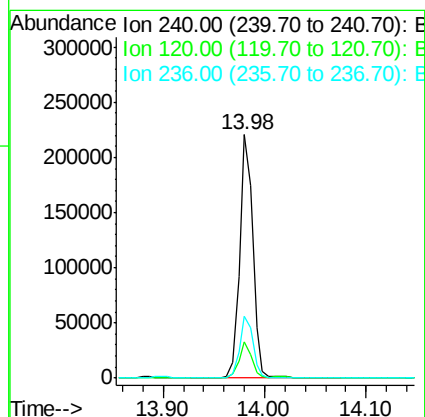
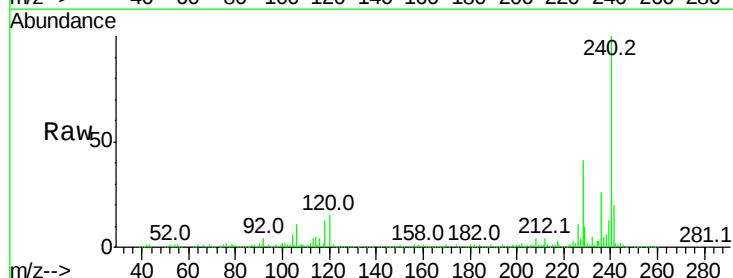
RT: 13.98 min Scan# 2022

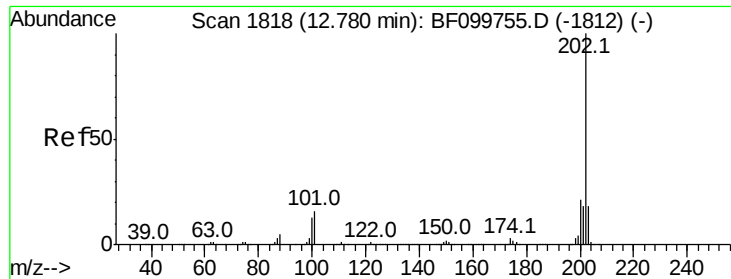
Delta R.T. -0.01 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.6	9.5	14.3#	
236	25.7	20.7	31.1	





#77

Pvrene

Concen: 51.340 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

Instrument :

BNA_F

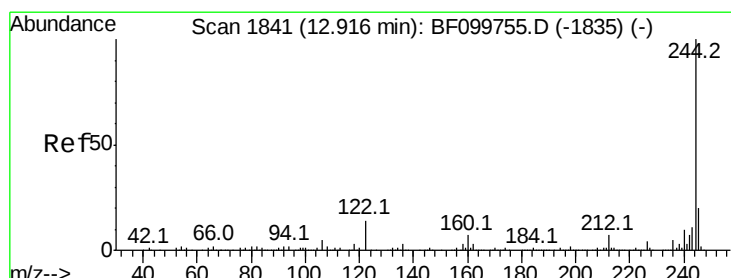
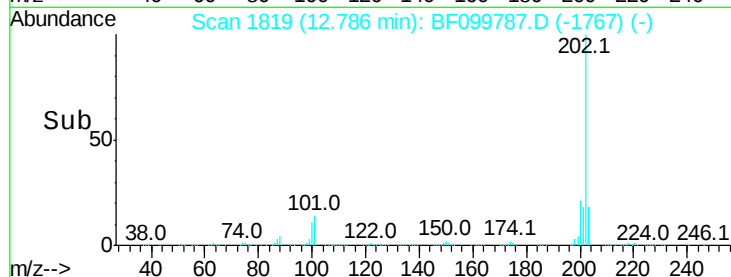
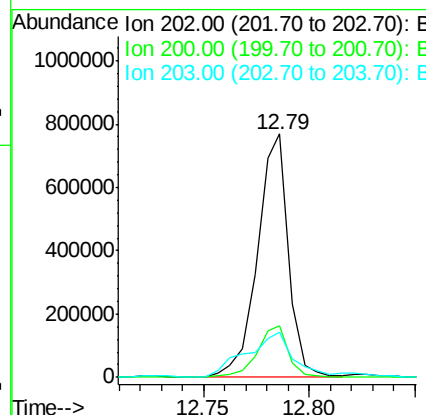
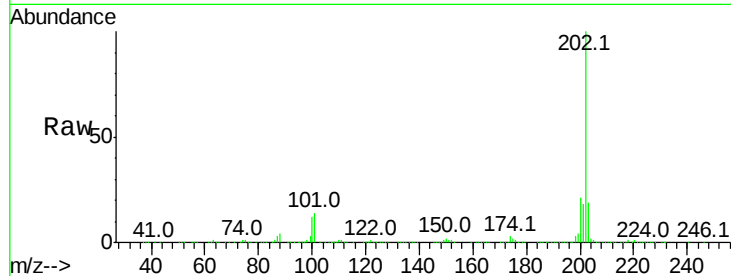
ClientSampleId :

15-40-RT4651

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 51.492 ng

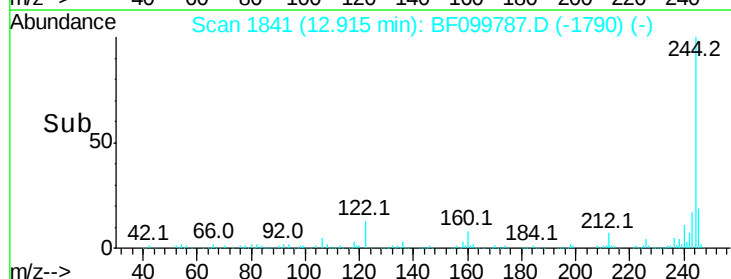
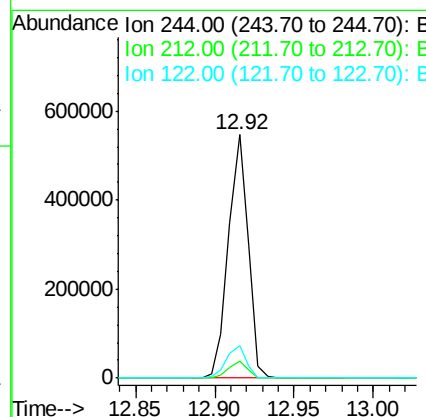
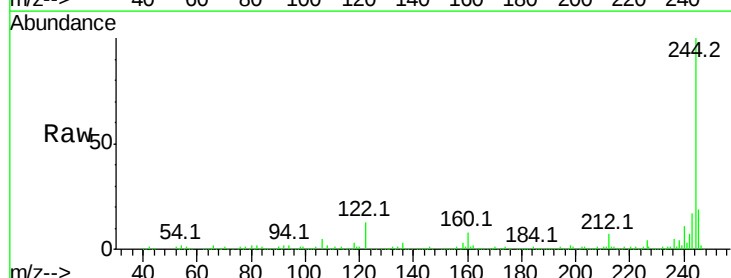
RT: 12.92 min Scan# 1841

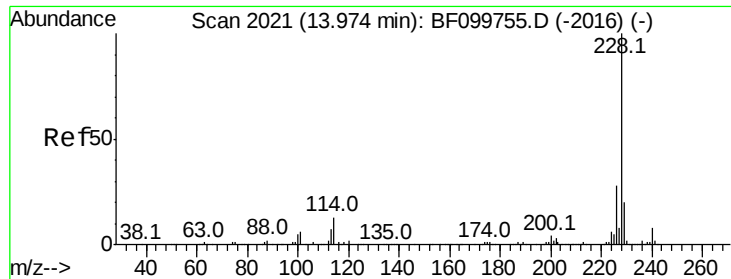
Delta R.T. -0.00 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.4	11.0	16.4





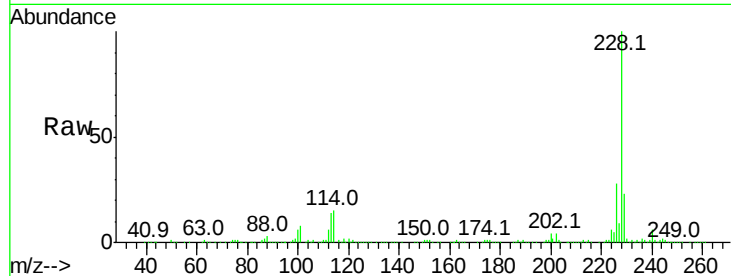
#80
Benzo(a)anthracene
Concen: 20.055 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Instrument :
BNA_F
ClientSampleId :
15-40-RT4651

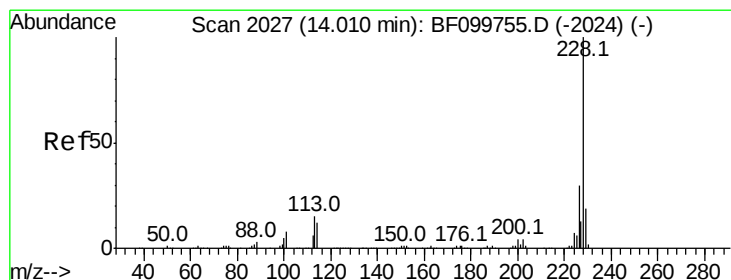
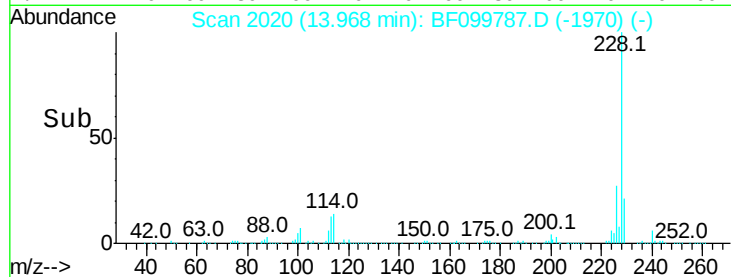
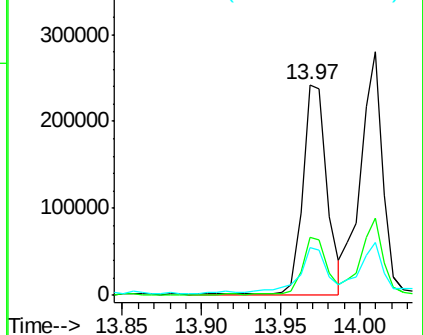
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	22.6	15.8	23.6

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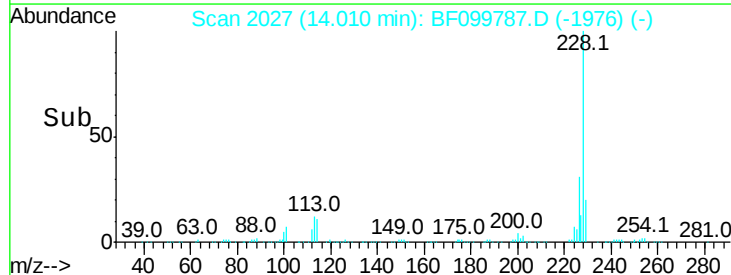
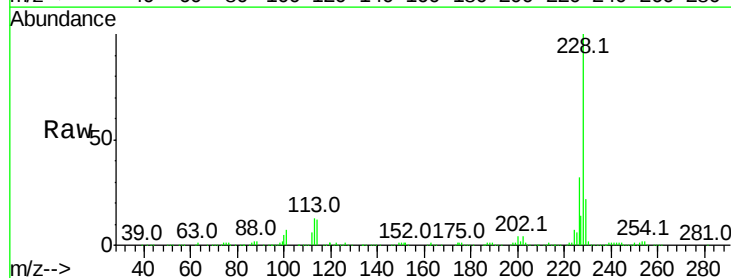
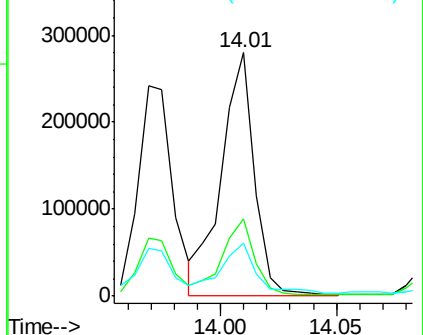
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

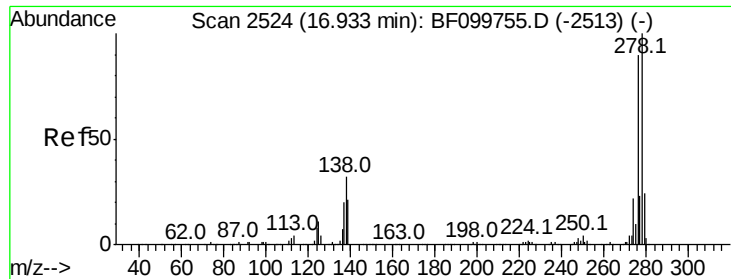


#82
Chrysene
Concen: 23.130 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	21.6	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





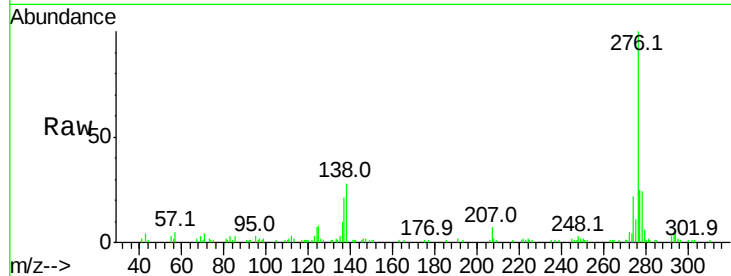
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.401 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.01 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :
 15-40-RT4651

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.1	25.0	37.6
277	25.0	20.1	30.1

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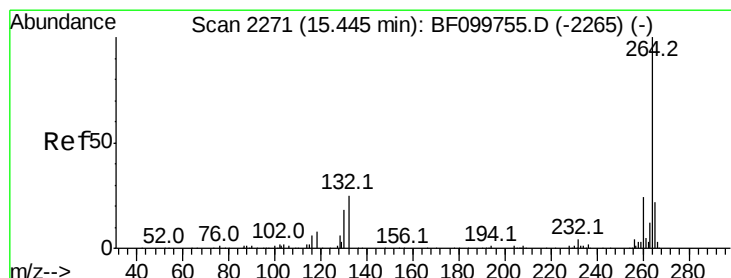
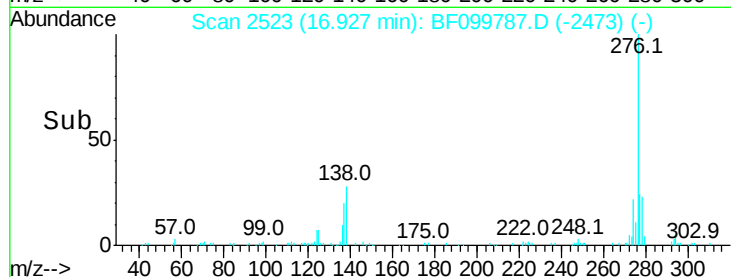
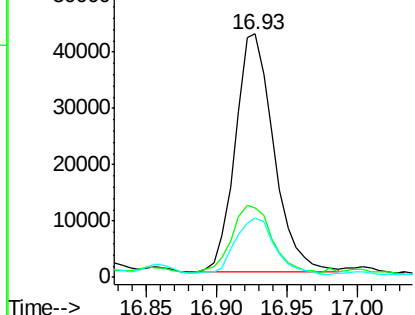


Abundance

Ion 276.00 (275.70 to 276.70): E

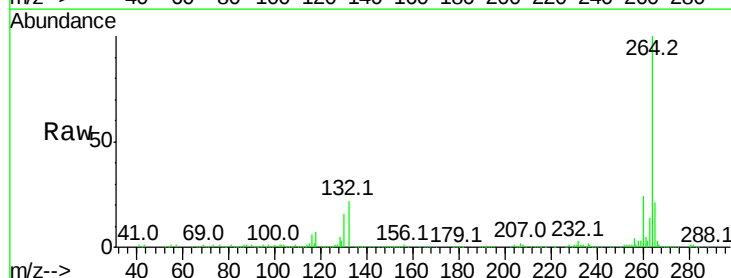
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.2	17.5	26.3

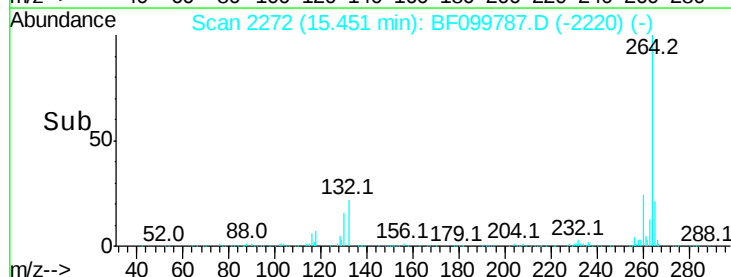
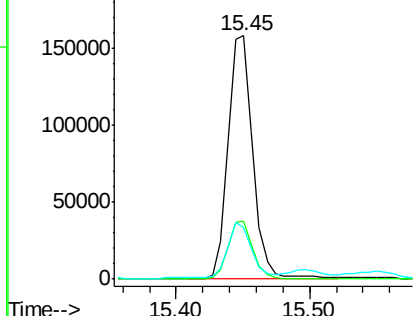


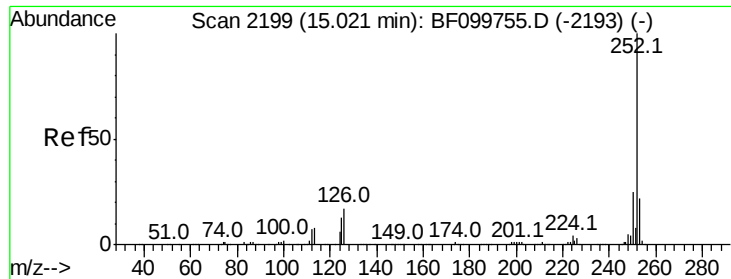
Abundance

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





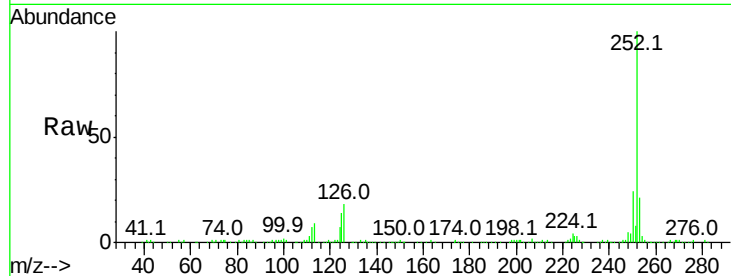
#87
Benzo(b)fluoranthene
Concen: 15.484 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Instrument :
BNA_F
ClientSampleId :
15-40-RT4651

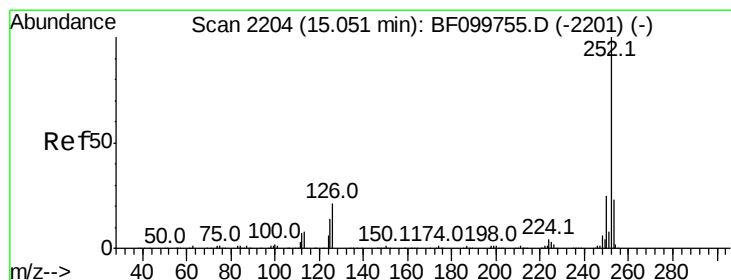
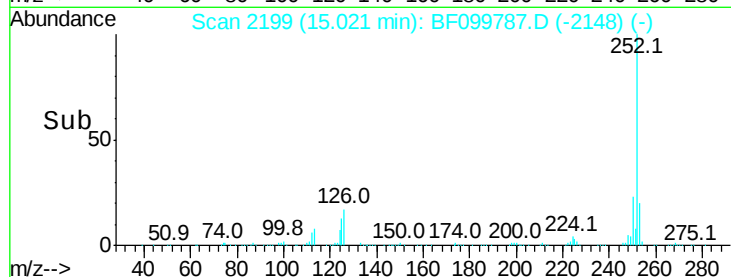
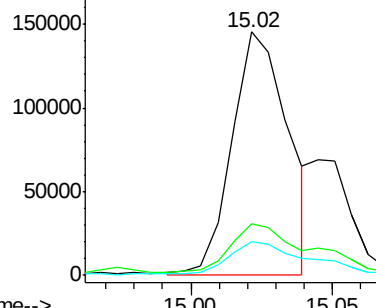
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.6
125	14.0	9.0	13.6

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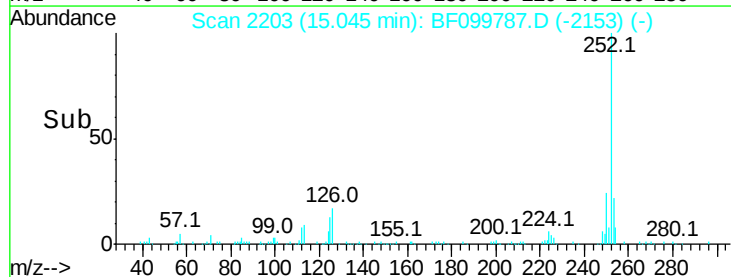
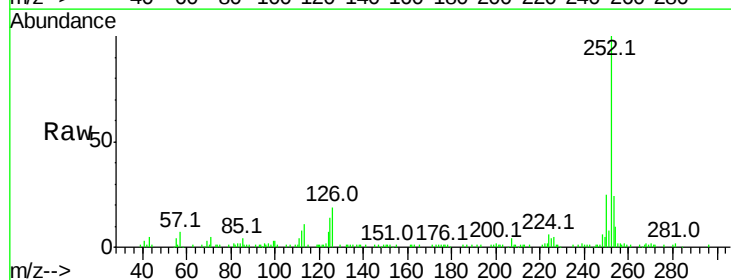
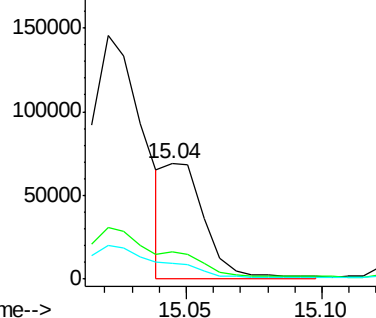
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

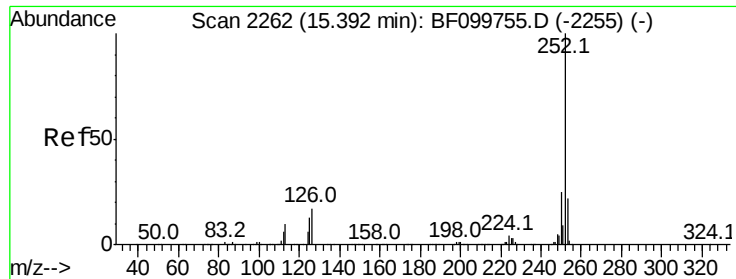


#88
Benzo(k)fluoranthene
Concen: 5.791 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF099787.D
Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	13.7	10.2	15.2

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





#89

Benzo(a)pyrene

Concen: 16.088 ng

RT: 15.39 min Scan# 2261

Delta R.T. -0.01 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

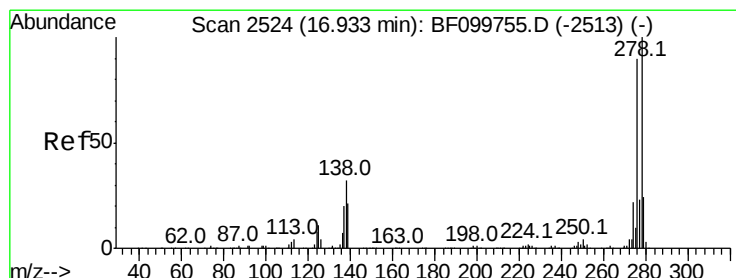
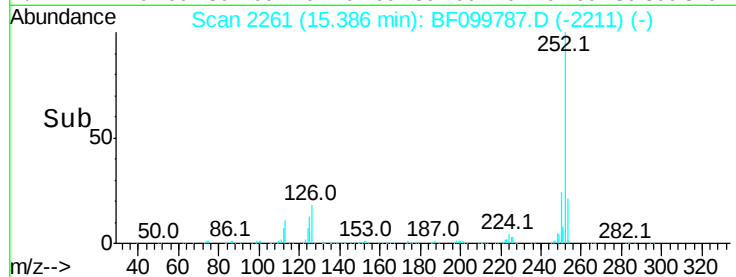
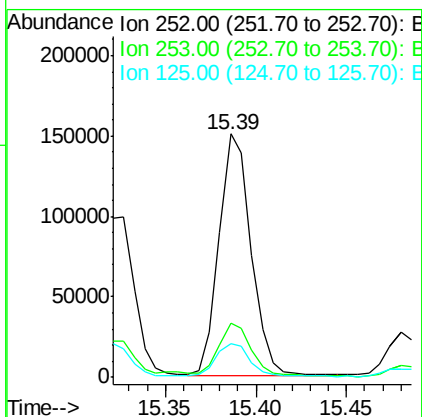
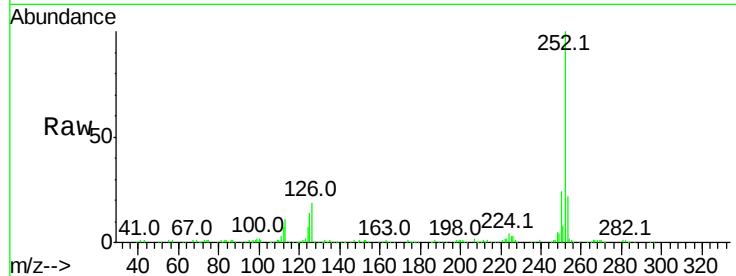
Instrument :
BNA_F

Client Sample Id :
15-40-RT4651

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	13.6	9.8	14.6

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#90

Dibenzo(a,h)anthracene

Concen: 2.254 ng

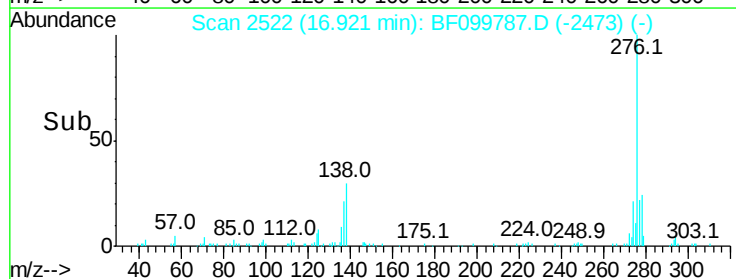
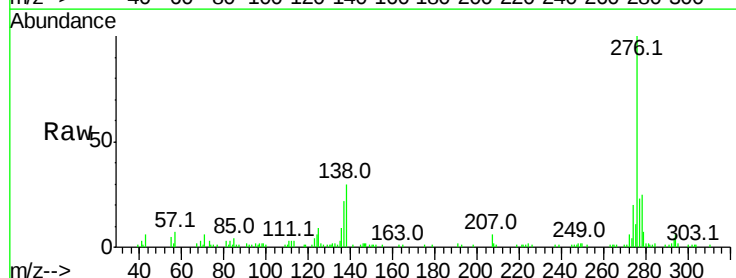
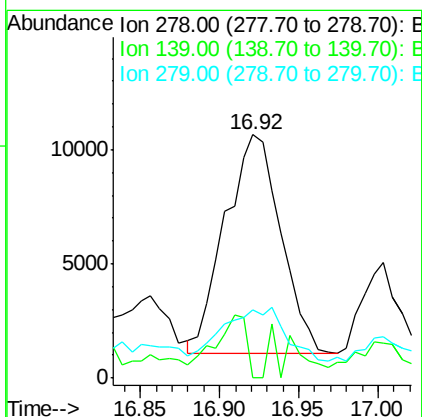
RT: 16.92 min Scan# 2522

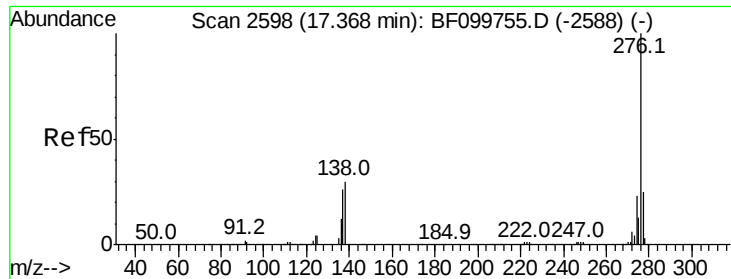
Delta R.T. -0.01 min

Lab File: BF099787.D

Acq: 24 Oct 2017 14:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.9	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 8.980 ng
 RT: 17.37 min Scan# 2599
 Delta R.T. 0.01 min
 Lab File: BF099787.D
 Acq: 24 Oct 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :
 15-40-RT4651

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	28.3	21.8	32.8

Manual Integrations
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