

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099635.D
 Acq On : 18 Oct 2017 23:33
 Operator : SJ/JU
 Sample : I5935-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101617-C

Manual Integrations
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Sohil
 10/19/2017 5:15:07 PM

Quant Time: Oct 19 00:55:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 22:24:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	89014	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	304141	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	107088	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	186293	20.00	ng	0.00
75) Chrysene-d12	14.00	240	192088	20.00	ng	0.00
86) Perylene-d12	15.46	264	161709	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	314407	56.23	ng	0.00
7) Phenol-d6	6.47	99	340672	49.39	ng	-0.01
23) Nitrobenzene-d5	7.39	82	184624	38.93	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	47253	53.93	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	302537	47.16	ng	0.00
78) Terphenyl-d14	12.93	244	254059	30.08	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.13	128	148425	10.391	ng	98
37) 2-Methylnaphthalene	8.82	142	112157	12.078	ng	97
48) Acenaphthylene	9.72	152	64210	6.070	ng	# 97
51) Acenaphthene	9.89	154	14252	2.127	ng	98
57) Fluorene	10.41	166	52837	7.368	ng	99
70) Phenanthrene	11.37	178	299711	30.056	ng	98
71) Anthracene	11.43	178	72203	7.077	ng	98
74) Fluoranthene	12.56	202	198240	19.633	ng	98
77) Pyrene	12.80	202	363769	24.835	ng	99
80) Benzo(a)anthracene	13.99	228	130308m	11.203	ng	
82) Chrysene	14.02	228	154396	13.943	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	30997	3.499	ng	95
87) Benzo(b)fluoranthene	15.04	252	84530m	8.502	ng	
88) Benzo(k)fluoranthene	15.06	252	30159m	3.071	ng	
89) Benzo(a)pyrene	15.40	252	81368	8.916	ng	# 93
91) Benzo(g,h,i)perylene	17.39	276	36465	5.051	ng	91

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

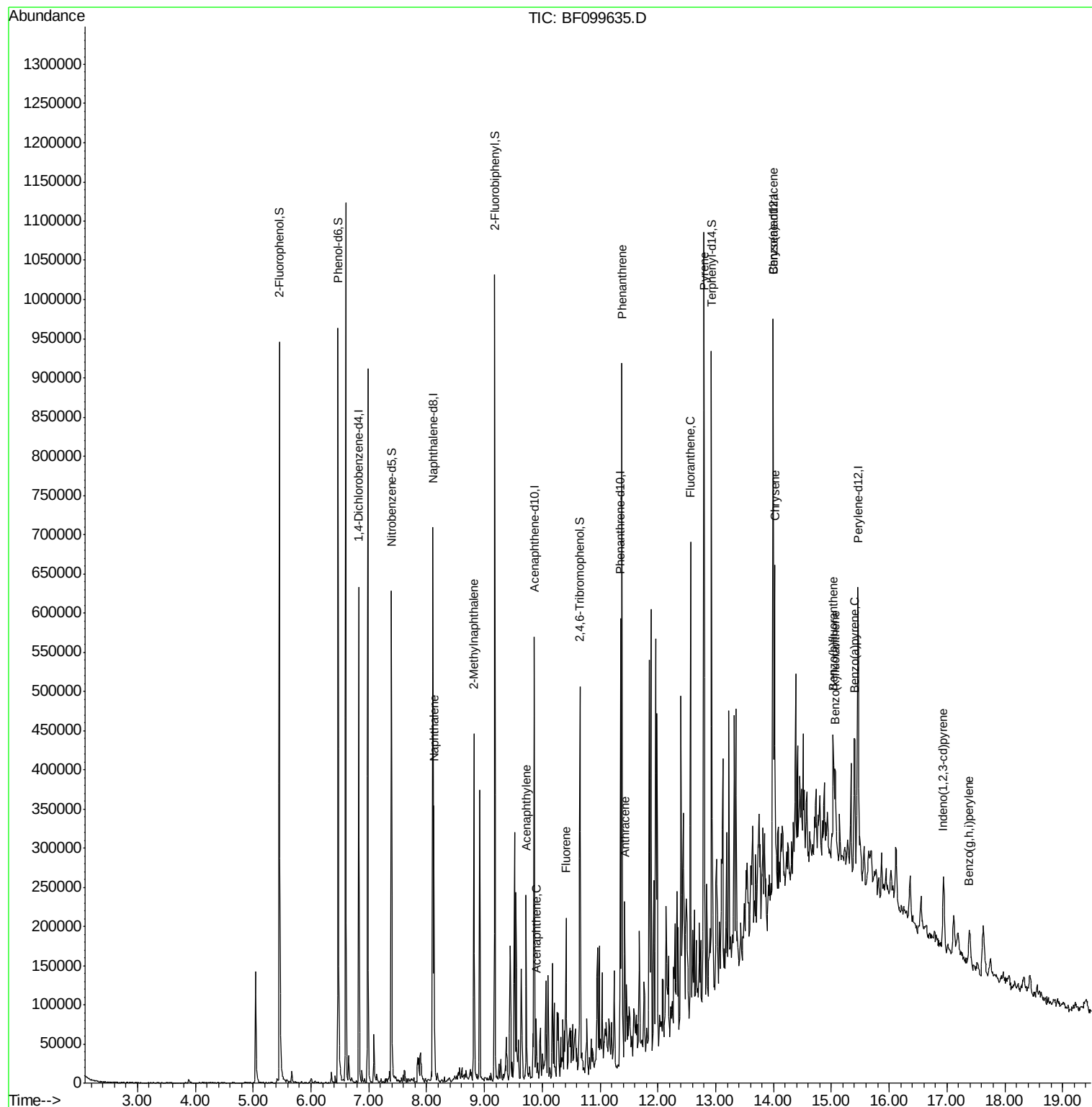
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
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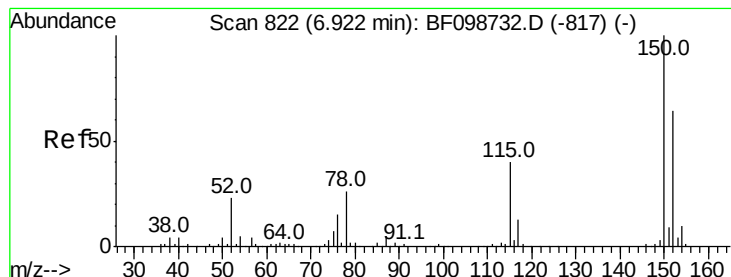
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

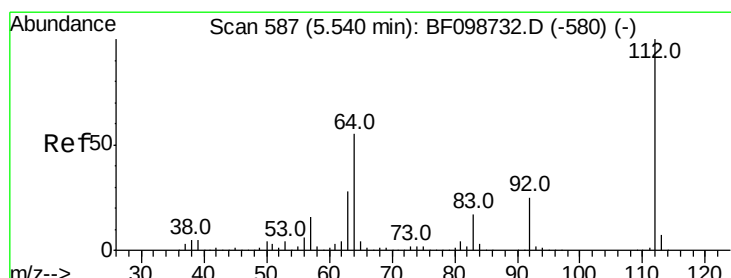
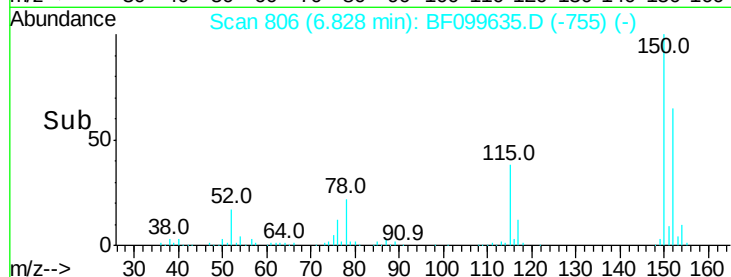
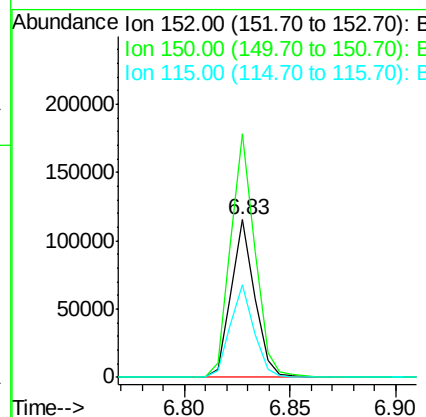
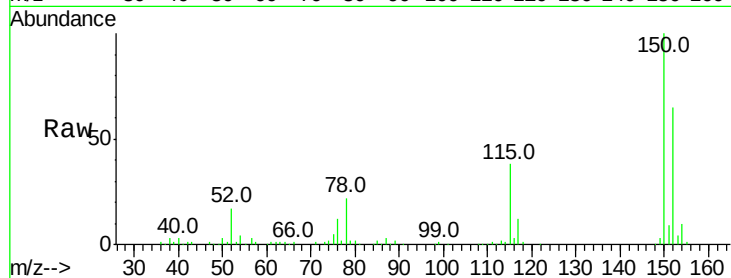
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Instrument :
BNA_F
ClientSampleId :
CL-02-101617-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	186.8
115	58.4	50.1	75.1

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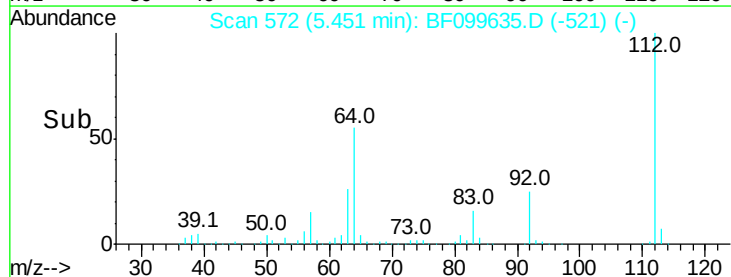
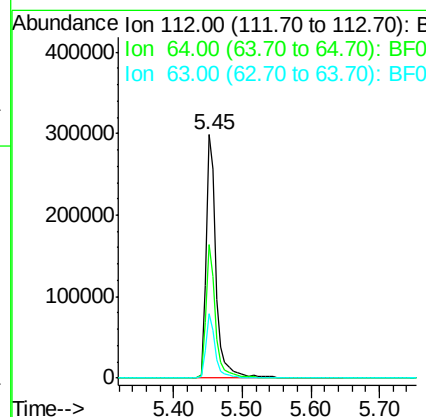
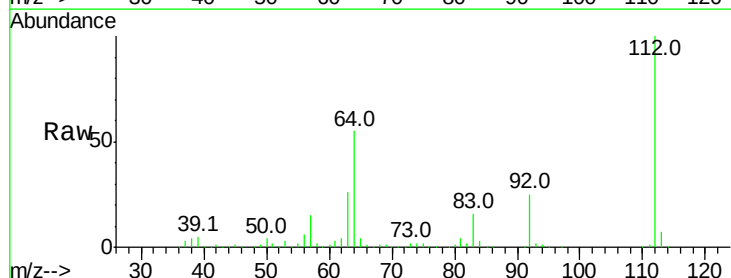
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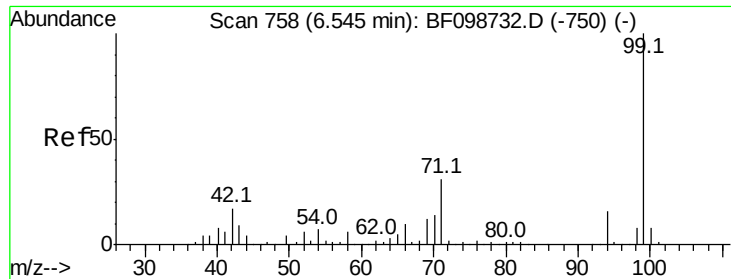


#5

2-Fluorophenol
Concen: 56.228 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.00 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	47.9	71.9
63	26.3	23.7	35.5





#7

Phenol-d6

Concen: 49.387 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099635.D

Acq: 18 Oct 2017 23:33

Instrument :

BNA_F

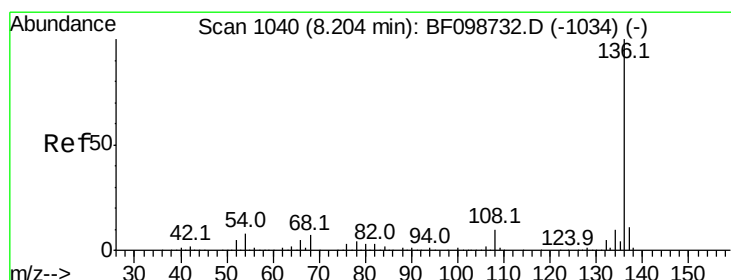
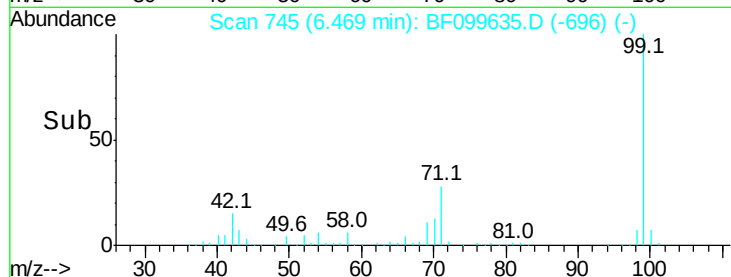
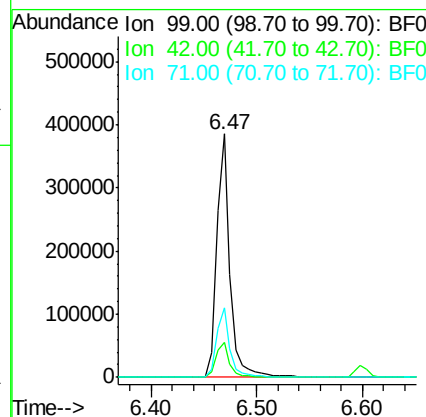
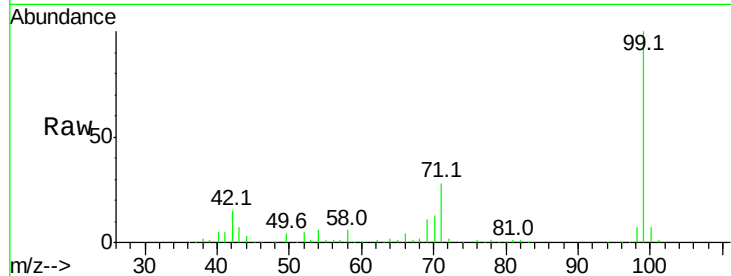
ClientSampleId :

CL-02-101617-C

Tot Ion:	99	Resp:	340672
Ion Ratio	Lower	Upper	
99	100		
42	14.6	14.5	21.7
71	28.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

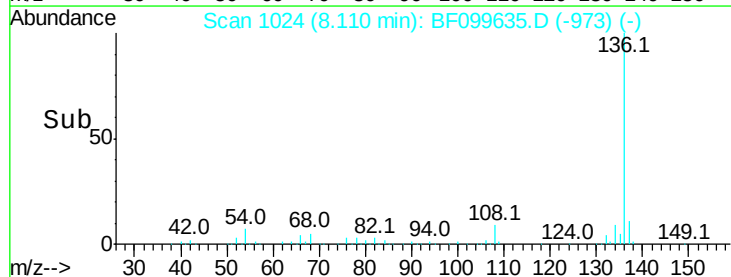
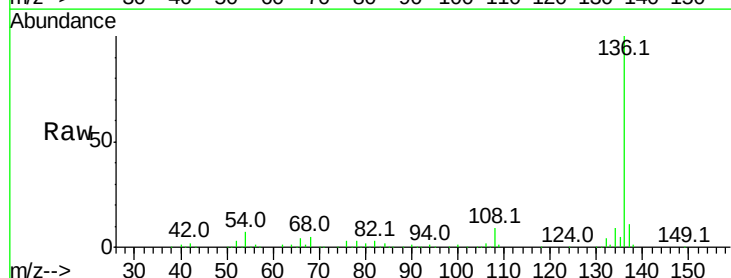
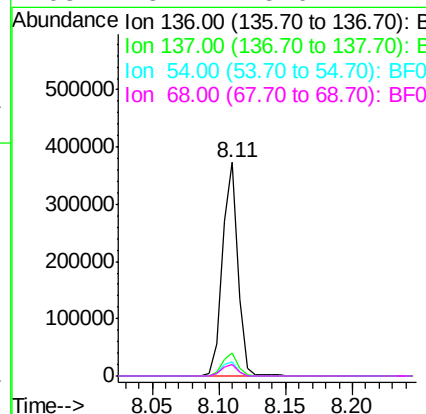
RT: 8.11 min Scan# 1024

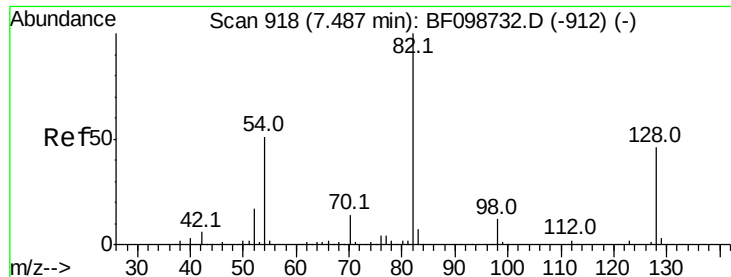
Delta R.T. 0.00 min

Lab File: BF099635.D

Acq: 18 Oct 2017 23:33

Tgt Ion:	136	Resp:	304141
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	6.6	6.6	9.8
68	5.4	5.0	7.4





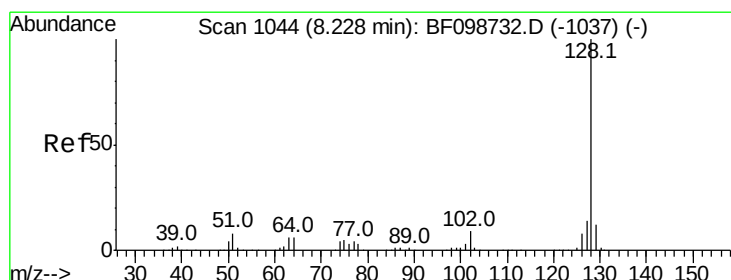
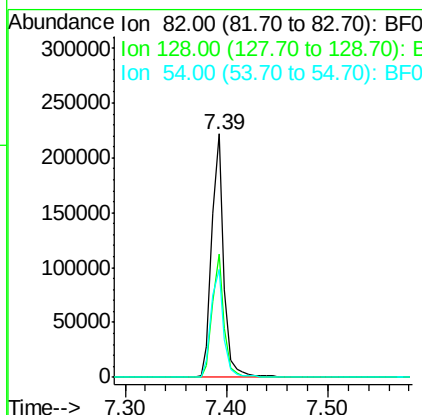
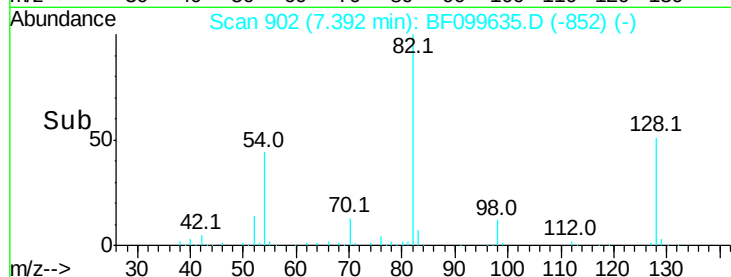
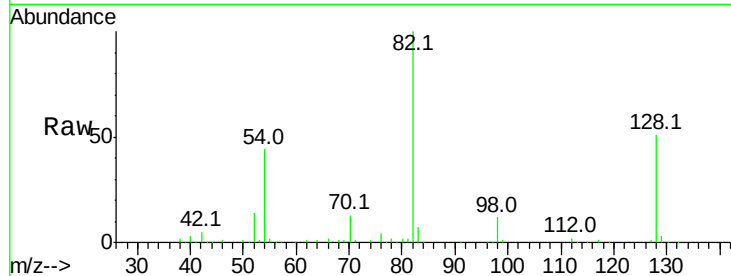
#23
Nitrobenzene-d5
Concen: 38.929 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Instrument :
BNA_F
ClientSampleId :
CL-02-101617-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.6	36.1	54.1
54	44.3	41.4	62.2

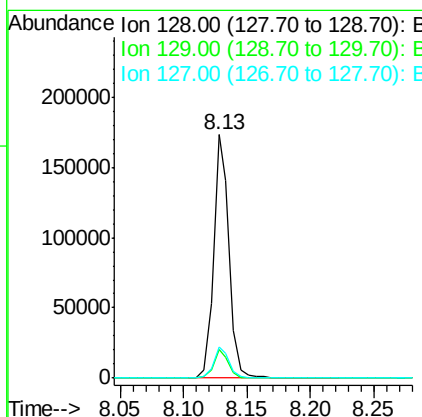
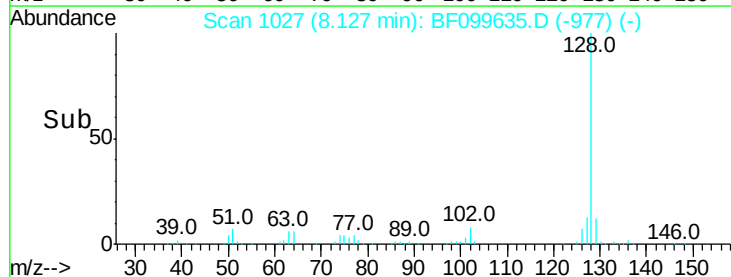
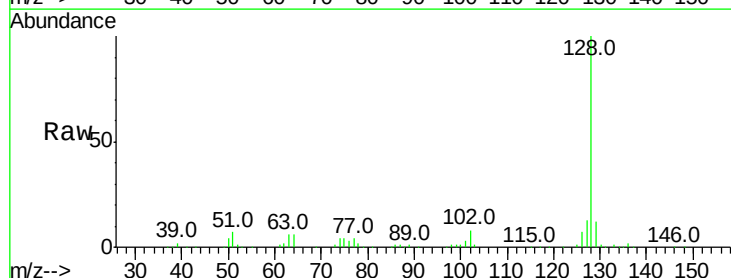
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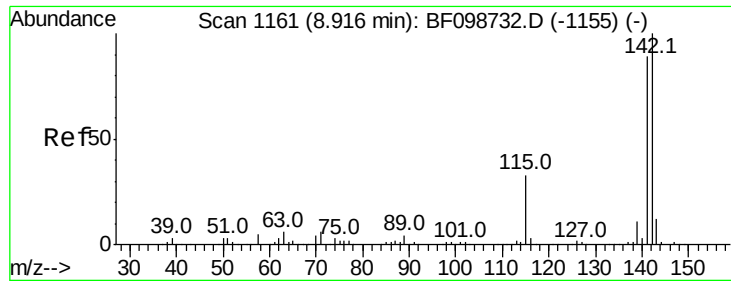
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#31
Naphthalene
Concen: 10.391 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.8	13.2
127	12.6	10.9	16.3





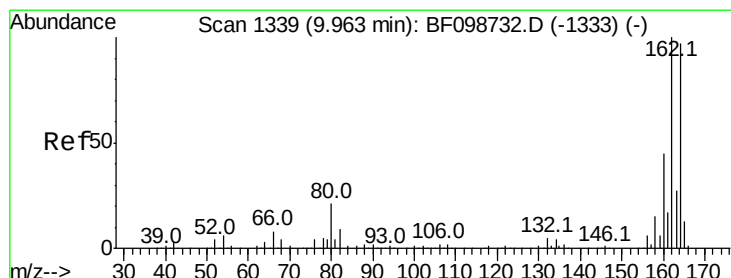
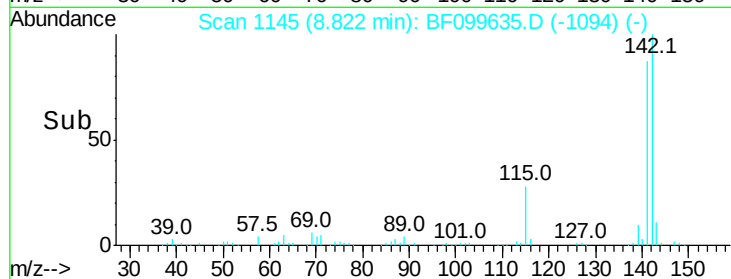
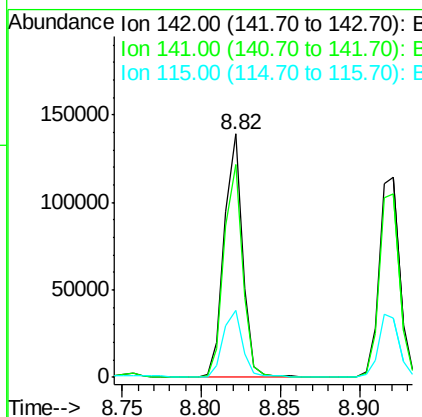
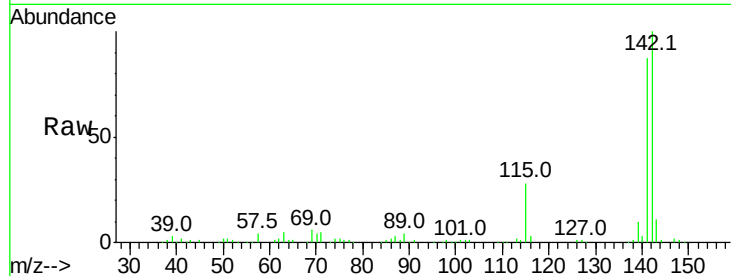
#37
2-Methylnaphthalene
Concen: 12.078 ng
RT: 8.82 min Scan# 1145
Delta R.T. 0.00 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Instrument :
BNA_F
ClientSampleId :
CL-02-101617-C

Tot Ion	Ratio	Resp	Lower	Upper
142	100	112157		
141	87.5	70.8	106.2	
115	27.5	26.1	39.1	

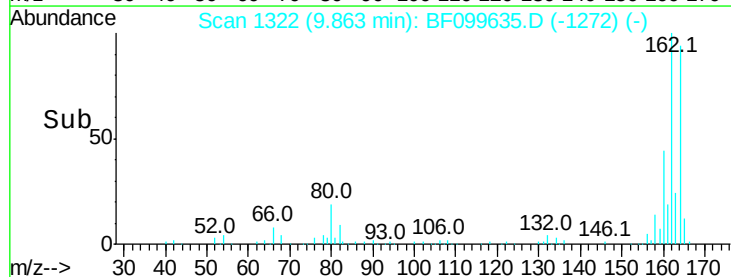
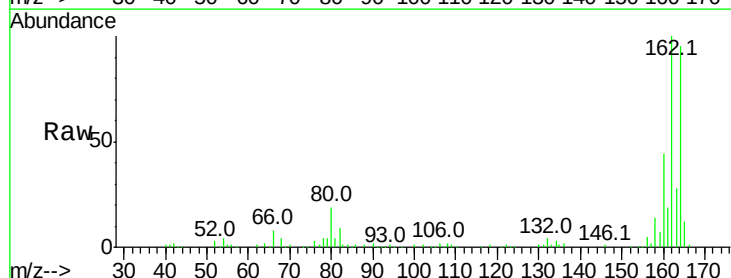
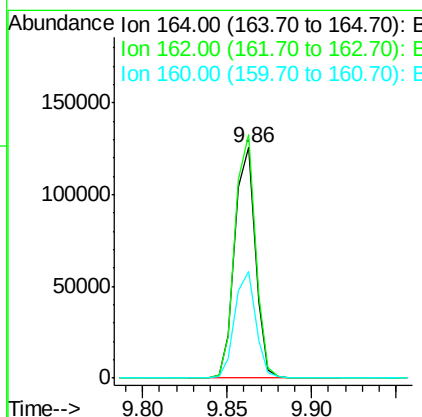
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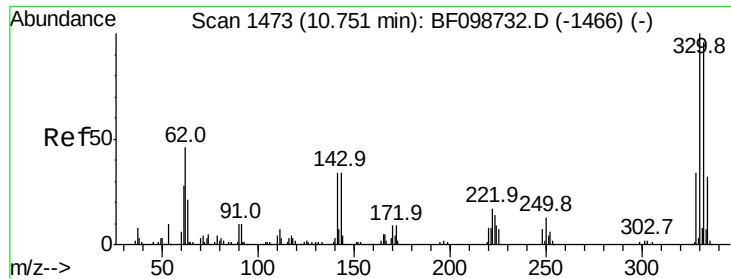
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	107088		
162	105.6	86.1	129.1	
160	46.0	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 53.925 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF099635.D

Acq: 18 Oct 2017 23:33

Instrument :

BNA_F

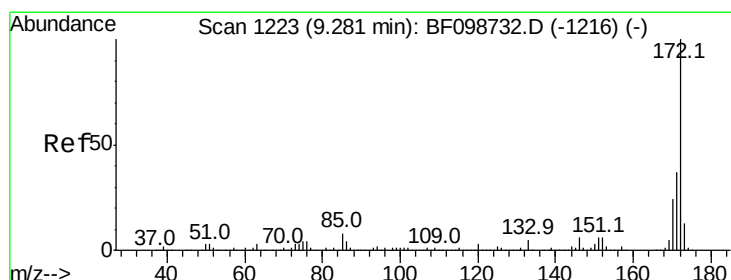
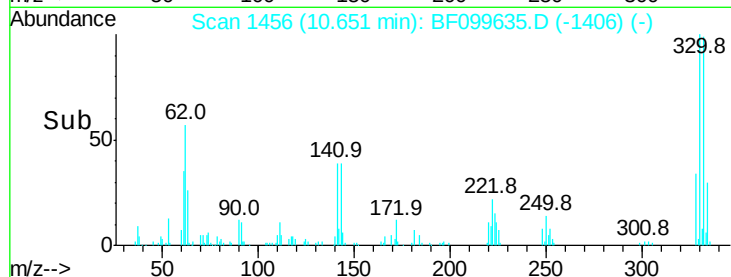
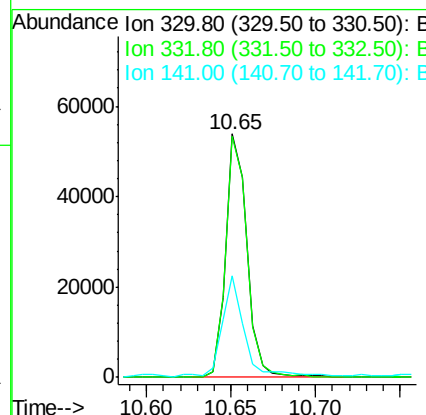
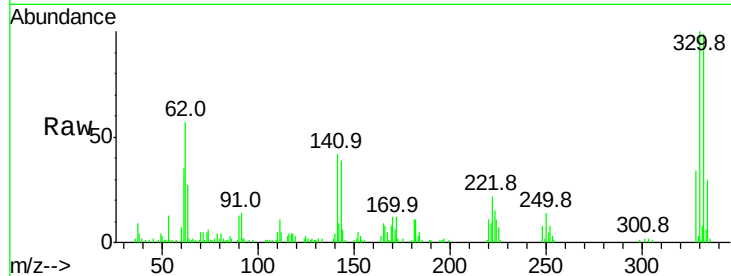
ClientSampleId :

CL-02-101617-C

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.6	77.0	115.6
141	45.9	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 47.163 ng

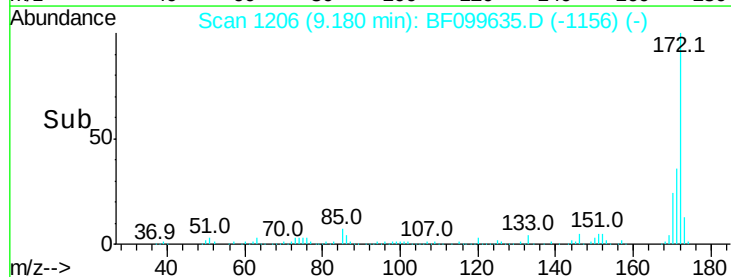
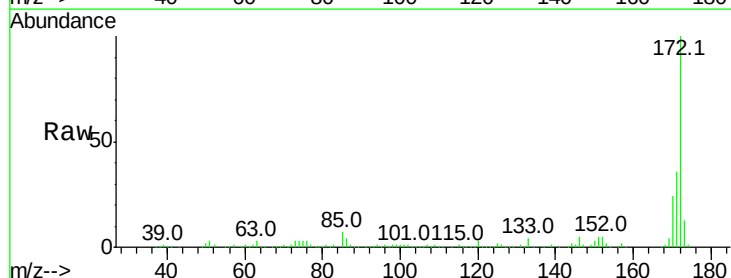
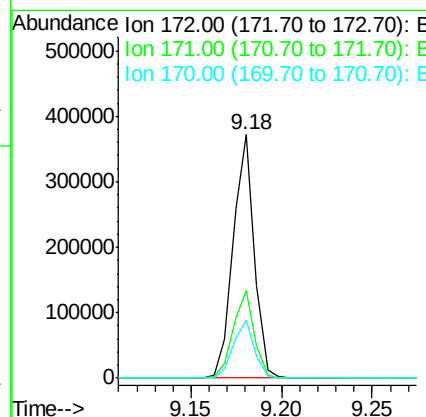
RT: 9.18 min Scan# 1206

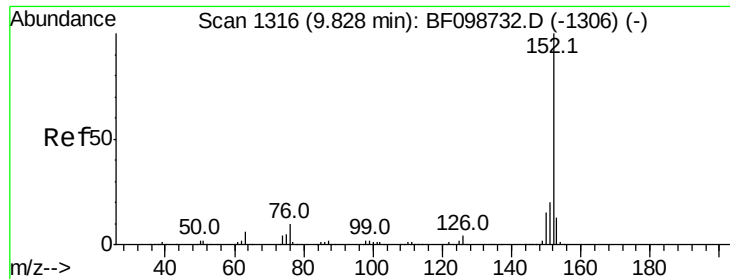
Delta R.T. -0.01 min

Lab File: BF099635.D

Acq: 18 Oct 2017 23:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.7	19.6	29.4





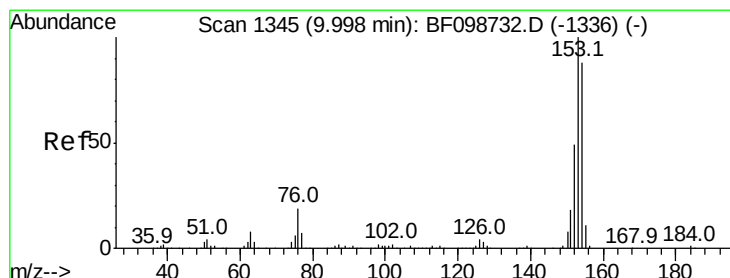
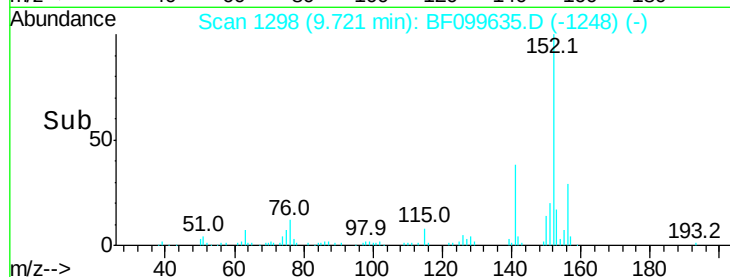
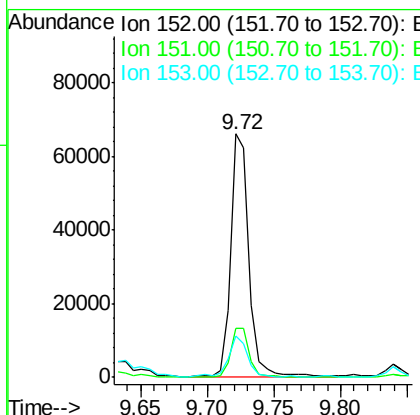
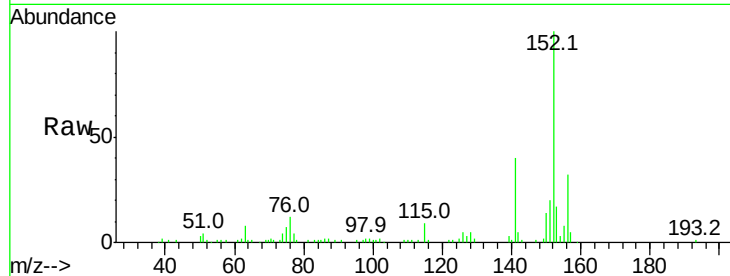
#48
Acenaphthylene
Concen: 6.070 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Instrument :
BNA_F
ClientSampleId :
CL-02-101617-C

Tot Ion	Ratio	Resp	Lower	Upper
152	100	64210		
151	20.4		16.3	24.5
153	16.9		10.7	16.1#

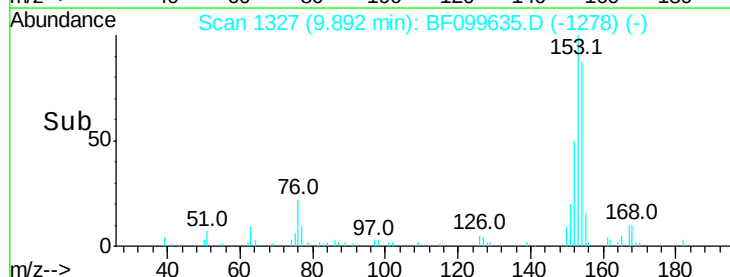
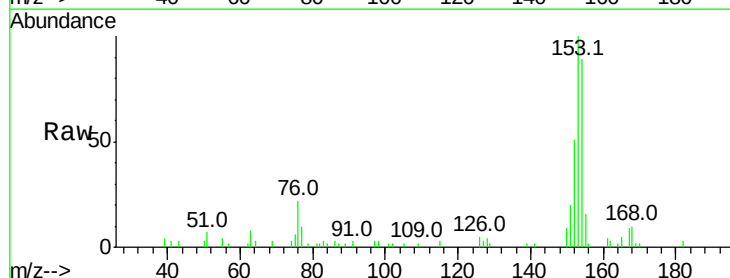
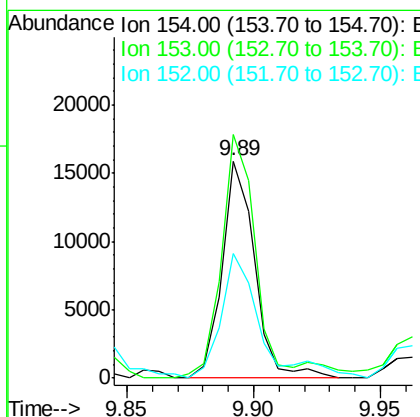
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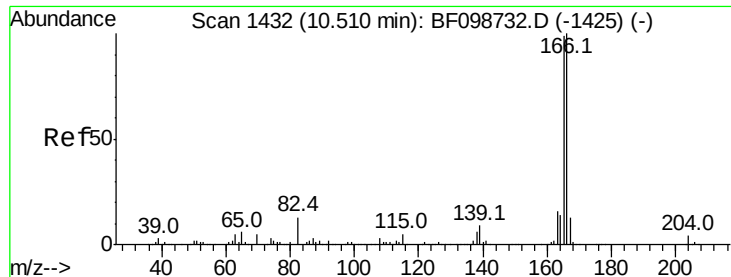
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#51
Acenaphthene
Concen: 2.127 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	14252		
153	112.1		91.2	136.8
152	57.2		43.8	65.8





#57

Fluorene

Concen: 7.368 ng

RT: 10.41 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BF099635.D

Acq: 18 Oct 2017 23:33

Instrument :

BNA_F

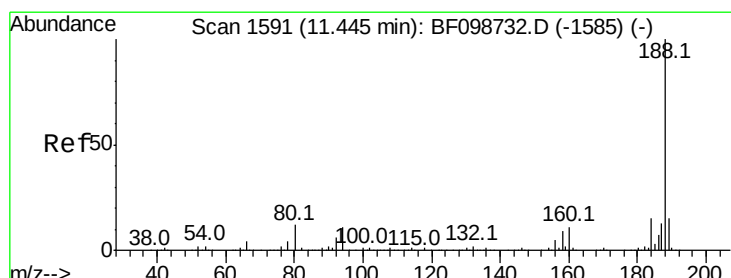
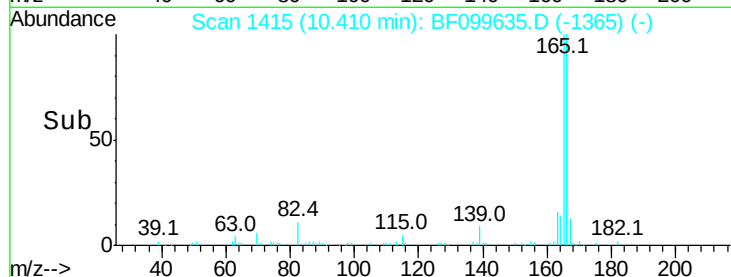
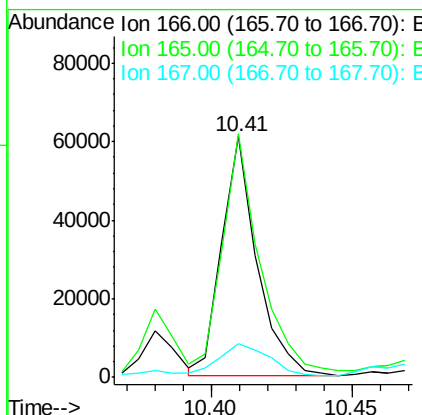
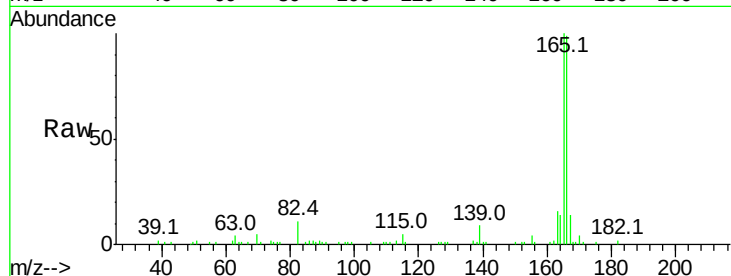
ClientSampleId :

CL-02-101617-C

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.0	79.8	119.8
167	14.2	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

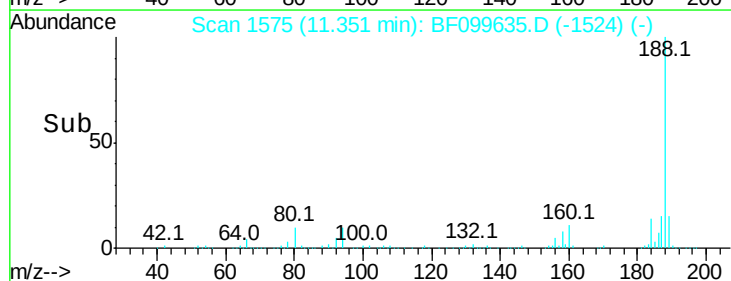
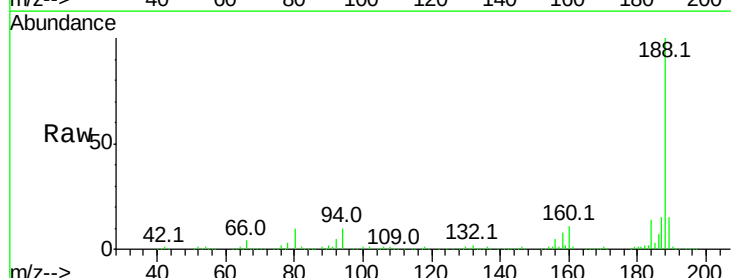
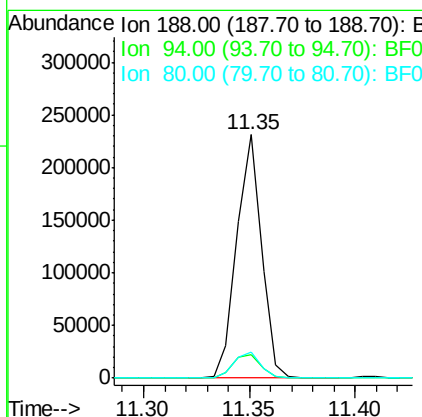
RT: 11.35 min Scan# 1575

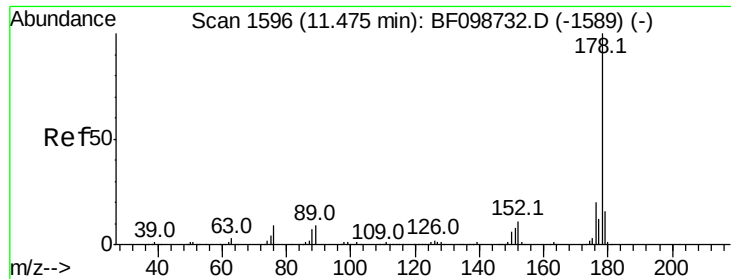
Delta R.T. 0.00 min

Lab File: BF099635.D

Acq: 18 Oct 2017 23:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.4	9.2	13.8





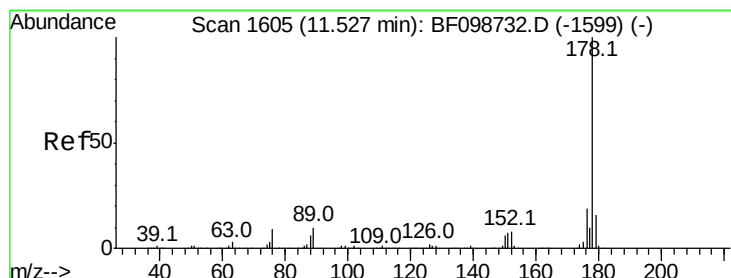
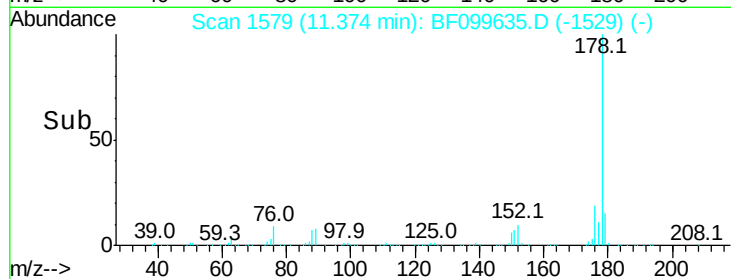
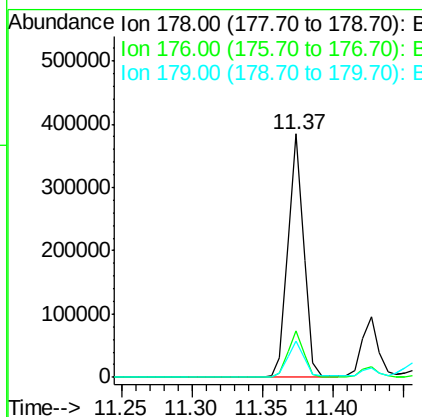
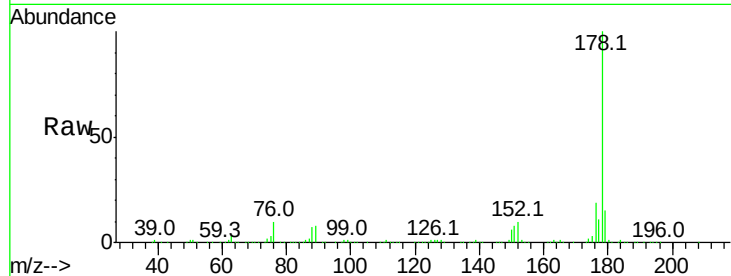
#70
Phenanthrene
Concen: 30.056 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Instrument :
BNA_F
ClientSampleId :
CL-02-101617-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.1	13.0	19.6

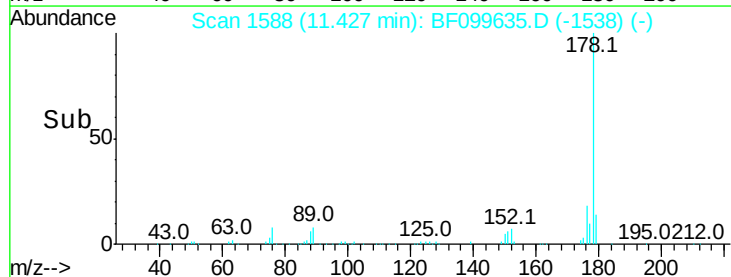
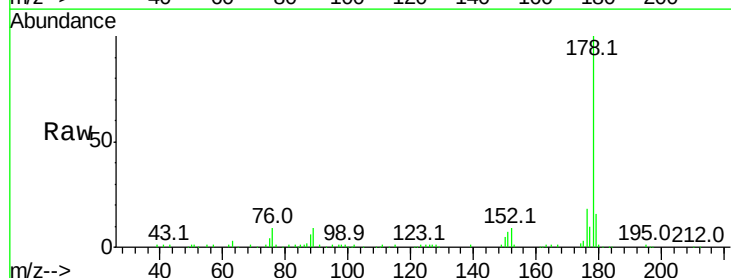
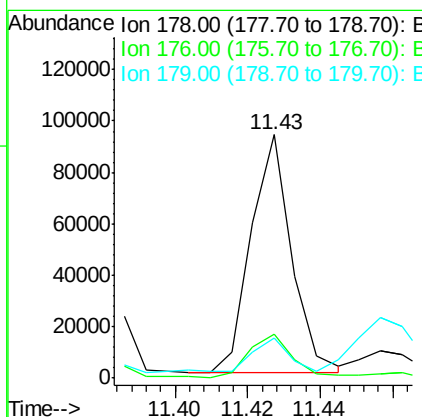
Manual Integrations
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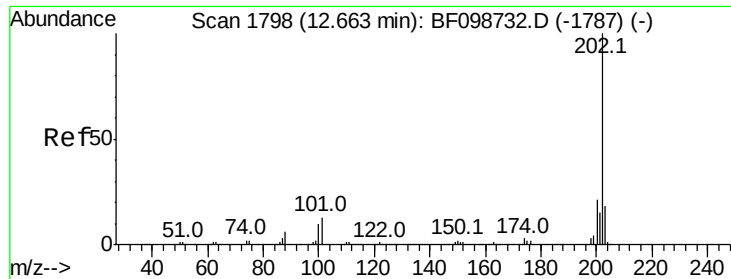
Sohil
10/19/2017 5:15:07 PM



#71
Anthracene
Concen: 7.077 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	16.3	12.6	19.0





#74

Fluoranthene

Concen: 19.633 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF099635.D

Acq: 18 Oct 2017 23:33

Instrument :

BNA_F

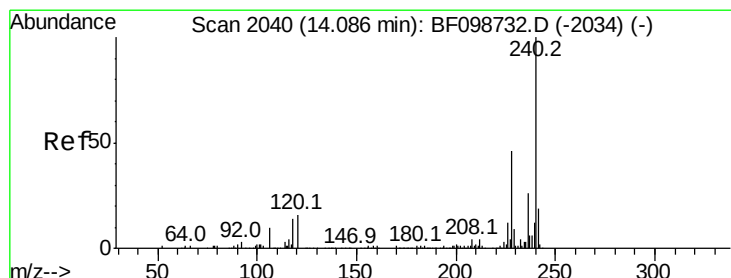
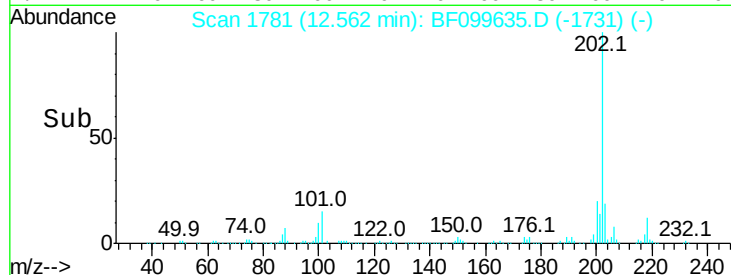
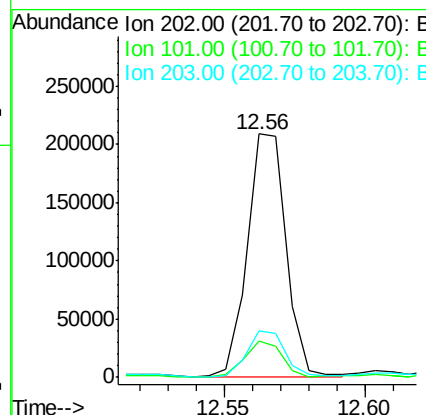
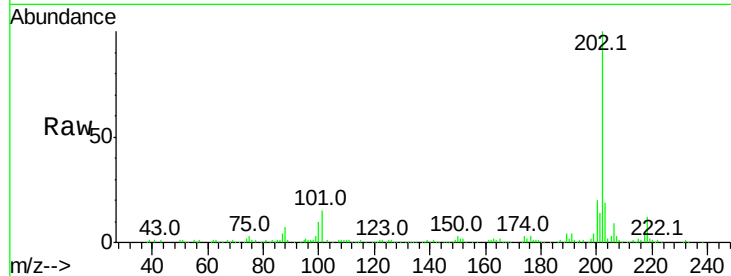
ClientSampleId :

CL-02-101617-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.7	0.0	34.1
203	19.2	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

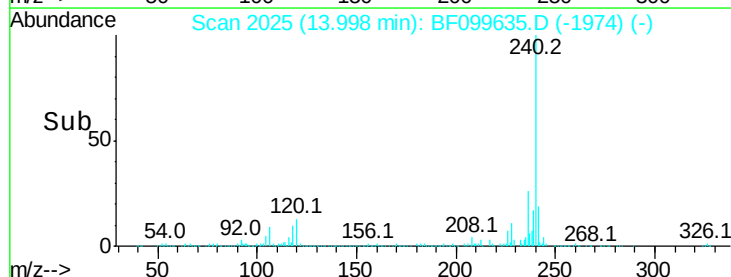
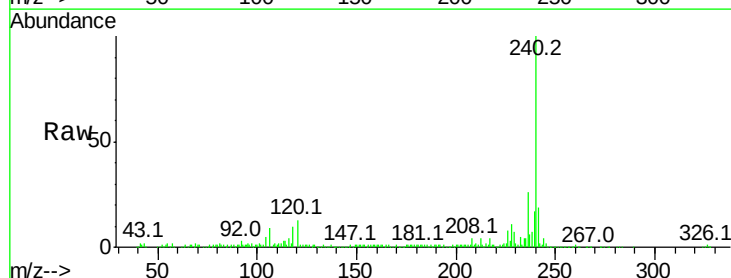
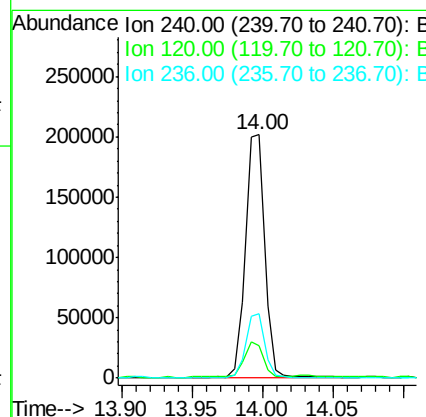
RT: 14.00 min Scan# 2025

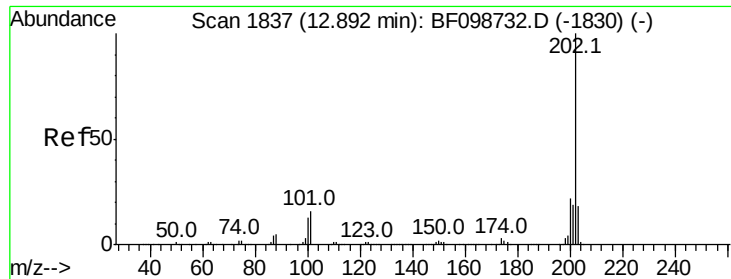
Delta R.T. 0.00 min

Lab File: BF099635.D

Acq: 18 Oct 2017 23:33

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.5	9.5	14.3
236	26.3	20.7	31.1





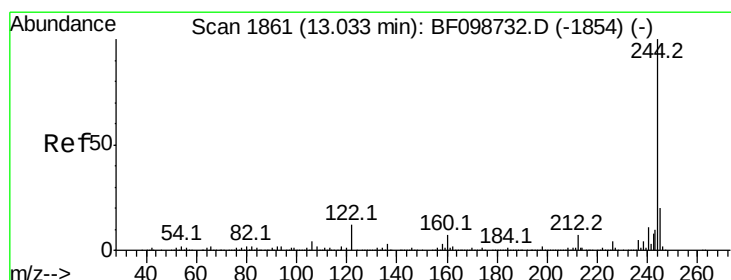
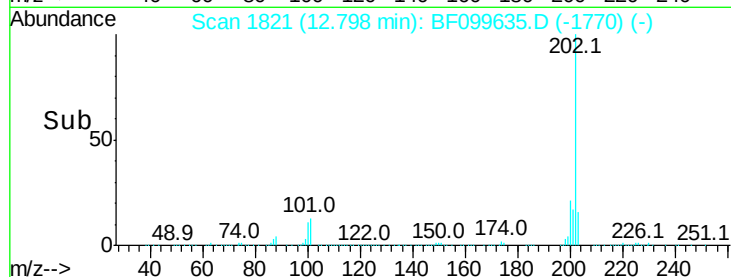
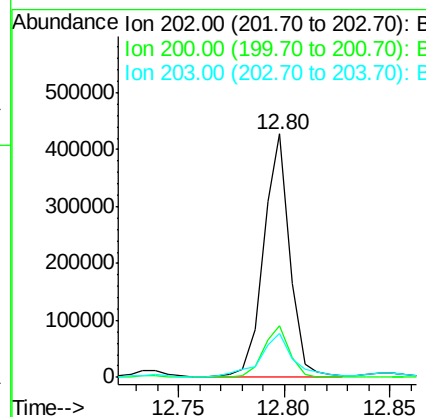
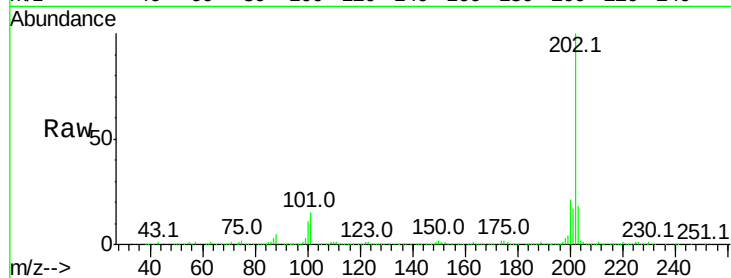
#77
Pvrene
Concen: 24.835 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Instrument :
BNA_F
ClientSampleId :
CL-02-101617-C

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.2	14.3	21.5

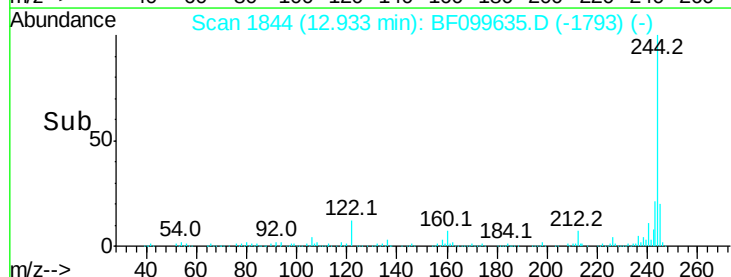
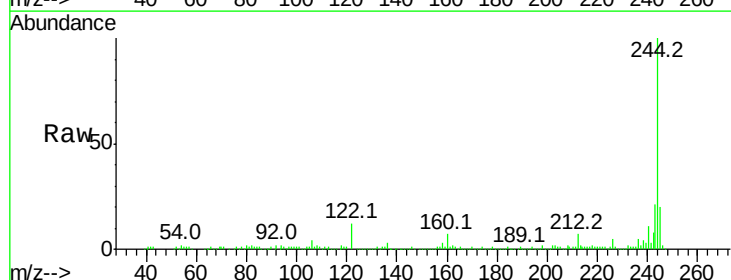
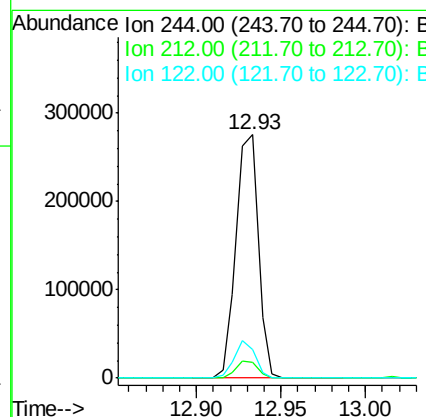
Manual Integrations
APPROVED

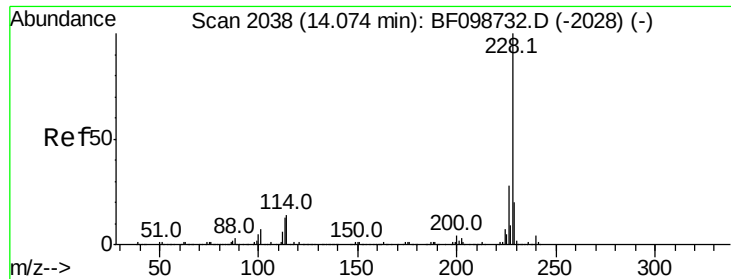
Sohil
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#78
Terphenyl-d14
Concen: 30.079 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.0	11.0	16.4





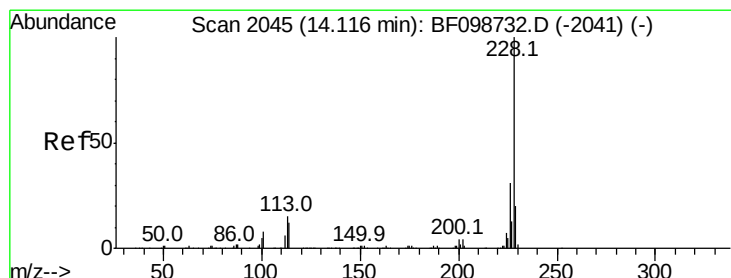
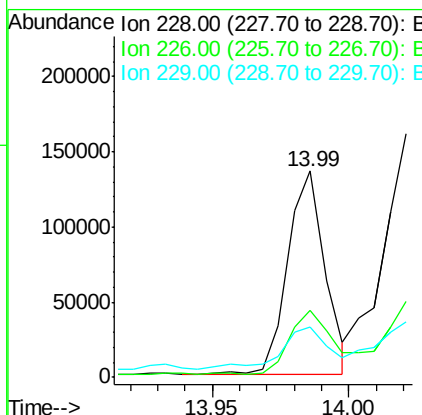
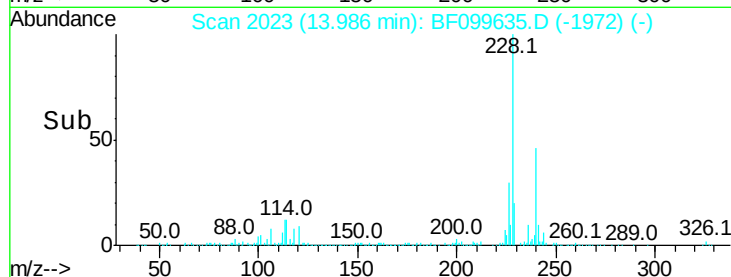
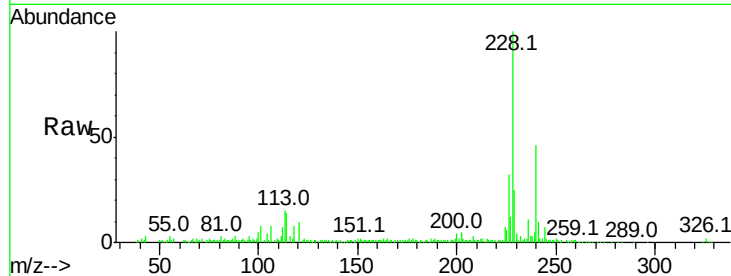
#80
Benzo(a)anthracene
Concen: 11.203 ng
RT: 13.99 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Instrument :
BNA_F
ClientSampleId :
CL-02-101617-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.6	33.8
229	24.5	15.8	23.6

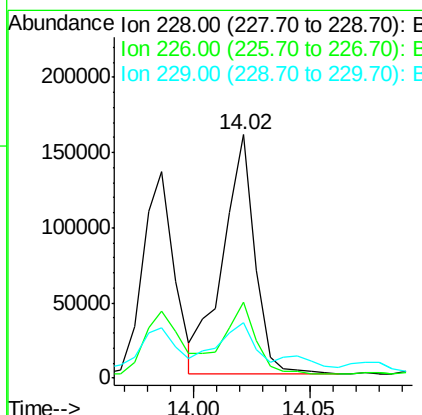
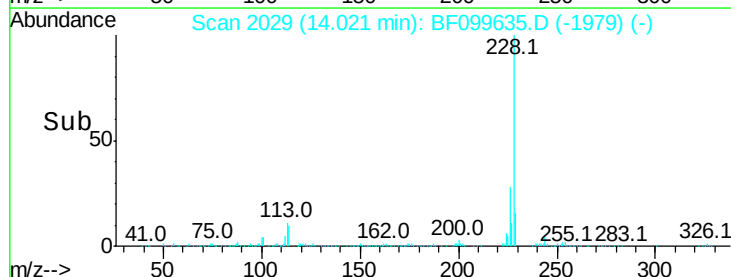
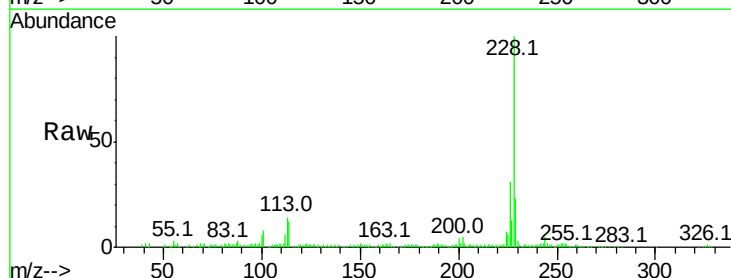
Manual Integrations
APPROVED

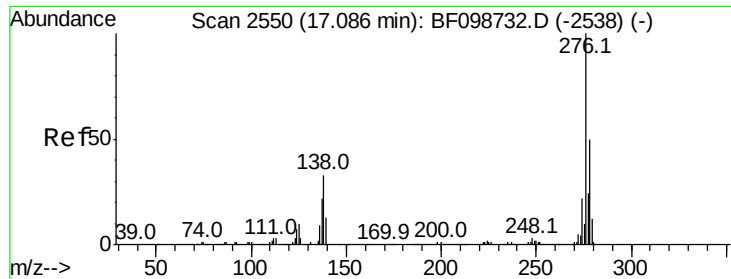
Sohil
10/19/2017 5:15:07 PM



#82
Chrysene
Concen: 13.943 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	22.9	16.2	24.4





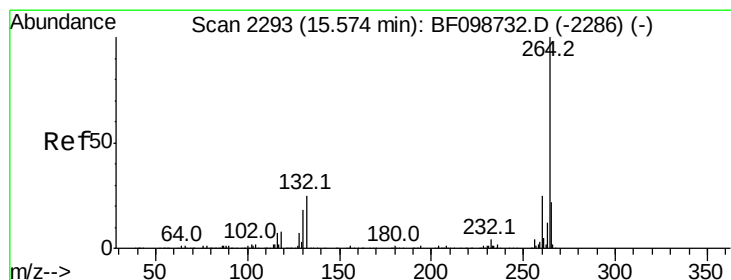
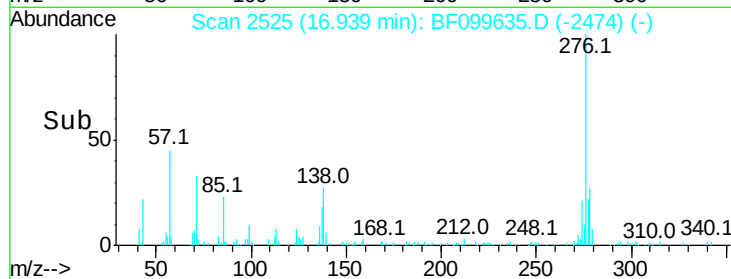
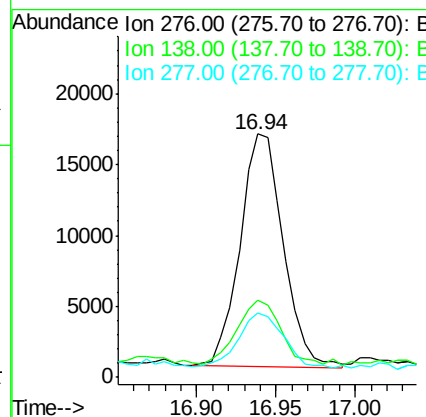
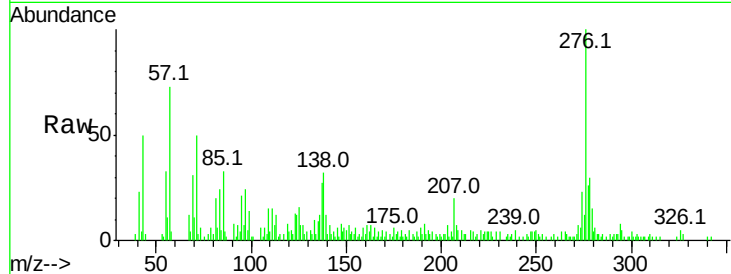
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.499 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.00 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Instrument :
BNA_F
ClientSampleId :
CL-02-101617-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.7	25.0	37.6
277	26.5	20.1	30.1

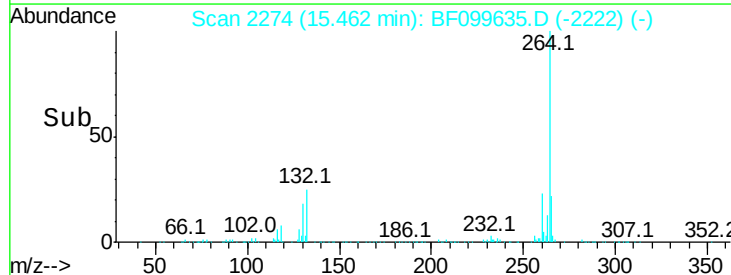
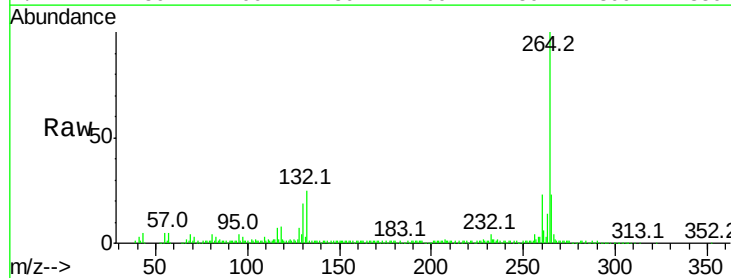
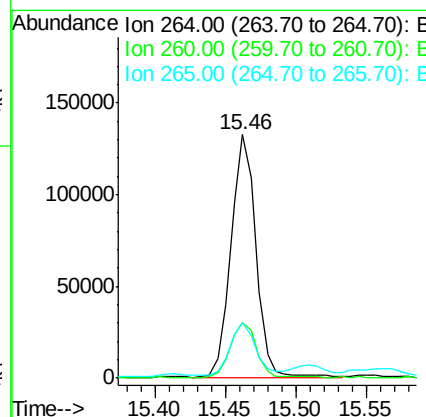
Manual Integrations
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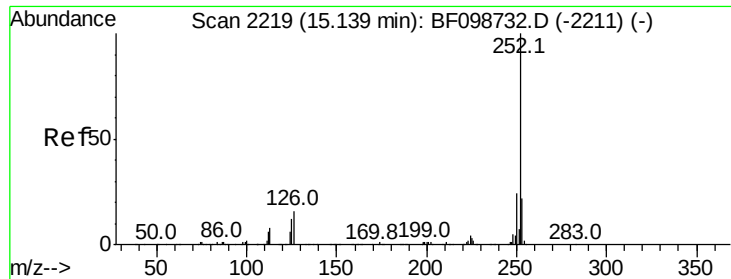
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	22.9	17.5	26.3





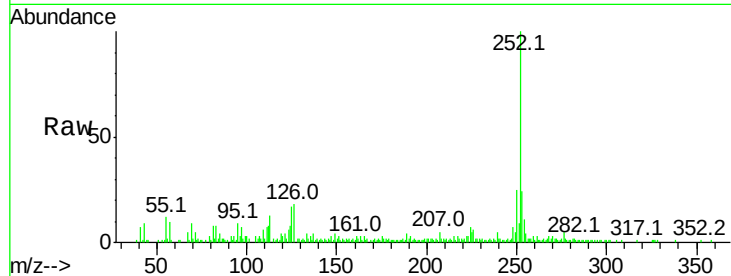
#87
Benzo(b)fluoranthene
Concen: 8.502 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Instrument :
BNA_F
ClientSampleId :
CL-02-101617-C

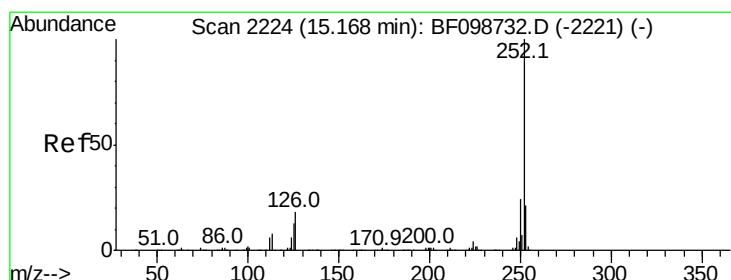
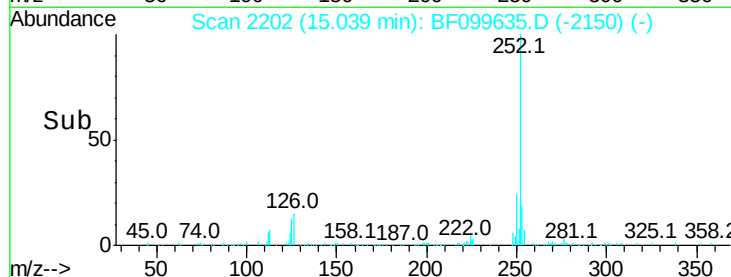
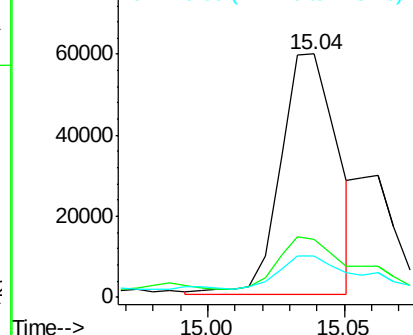
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	16.9	9.0	13.6

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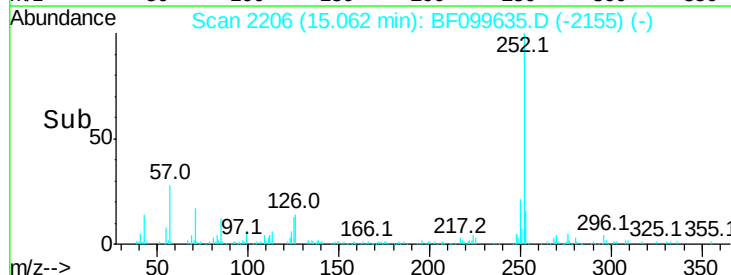
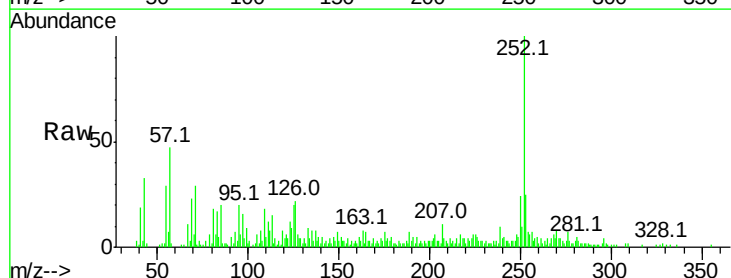
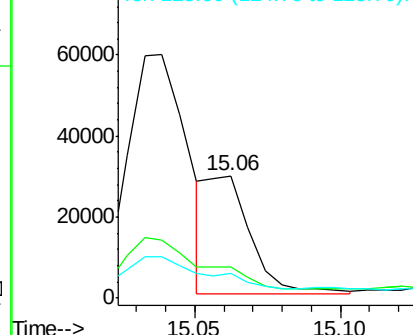
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

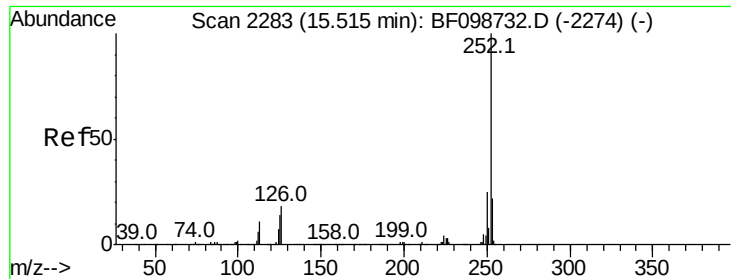


#88
Benzo(k)fluoranthene
Concen: 3.071 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.9	26.9
125	20.3	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





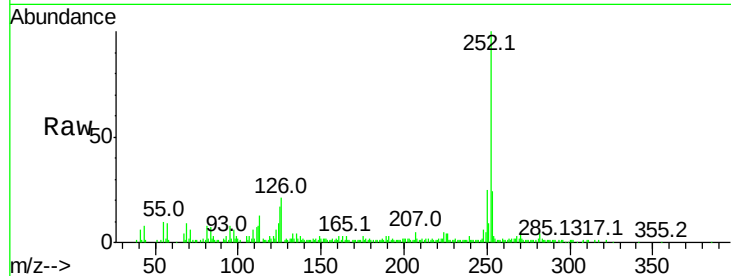
#89
Benzo(a)pyrene
Concen: 8.916 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Instrument :
BNA_F
ClientSampleId :
CL-02-101617-C

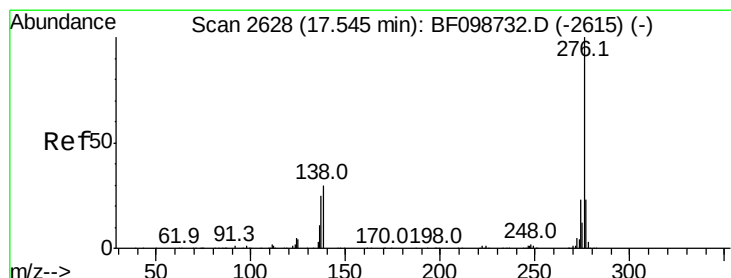
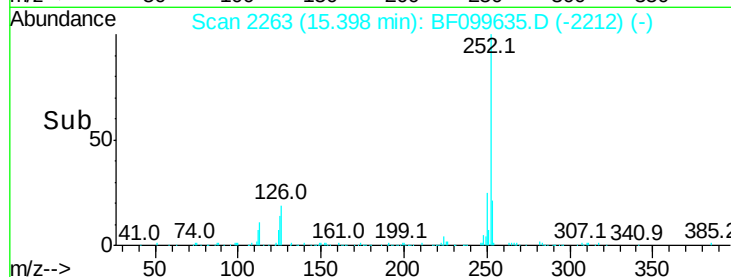
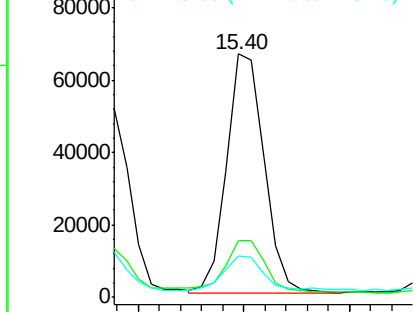
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	16.9	9.8	14.6

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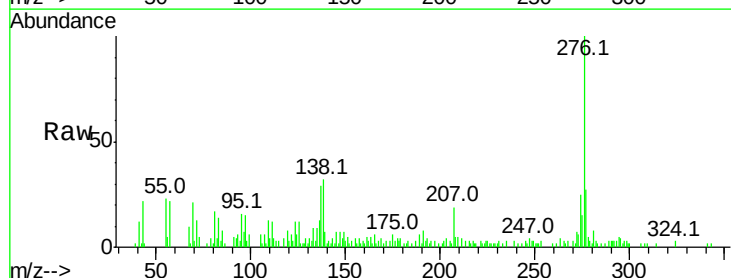


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 5.051 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.02 min
Lab File: BF099635.D
Acq: 18 Oct 2017 23:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	31.8	21.8	32.8



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

