

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099639.D
 Acq On : 19 Oct 2017 1:24
 Operator : SJ/JU
 Sample : I5935-10 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 10/19/2017 6:15:43 PM

Quant Time: Oct 19 16:58:11 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	89639	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	312091	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	110554	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	188855	20.00	ng	0.00
75) Chrysene-d12	14.00	240	188103	20.00	ng	0.00
86) Perylene-d12	15.47	264	152812	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	134872	23.95	ng	0.00
7) Phenol-d6	6.47	99	153379	22.08	ng	-0.01
23) Nitrobenzene-d5	7.39	82	77735	15.97	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	20193	22.32	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	142542	21.52	ng	0.00
78) Terphenyl-d14	12.93	244	120175	14.53	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.82	142	19662	2.063	ng	96
48) Acenaphthylene	9.73	152	70368	6.443	ng	98
57) Fluorene	10.41	166	36891	4.983	ng	99
70) Phenanthrene	11.37	178	249556	24.687	ng	99
71) Anthracene	11.43	178	85037	8.221	ng	98
74) Fluoranthene	12.57	202	308563	30.144	ng	99
77) Pyrene	12.80	202	461236	32.156	ng	99
80) Benzo(a)anthracene	13.99	228	193922	17.025	ng	95
82) Chrysene	14.02	228	190601	17.577	ng	97
85) Indeno(1,2,3-cd)pyrene	16.94	276	51768	5.968	ng	98
87) Benzo(b)fluoranthene	15.04	252	145192m	15.453	ng	
88) Benzo(k)fluoranthene	15.06	252	38681m	4.168	ng	
89) Benzo(a)pyrene	15.40	252	115970	13.447	ng	# 94
90) Dibenzo(a,h)anthracene	16.94	278	16332	2.366	ng	# 66
91) Benzo(a,h,i)perylene	17.39	276	55778	8.176	ng	# 91

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

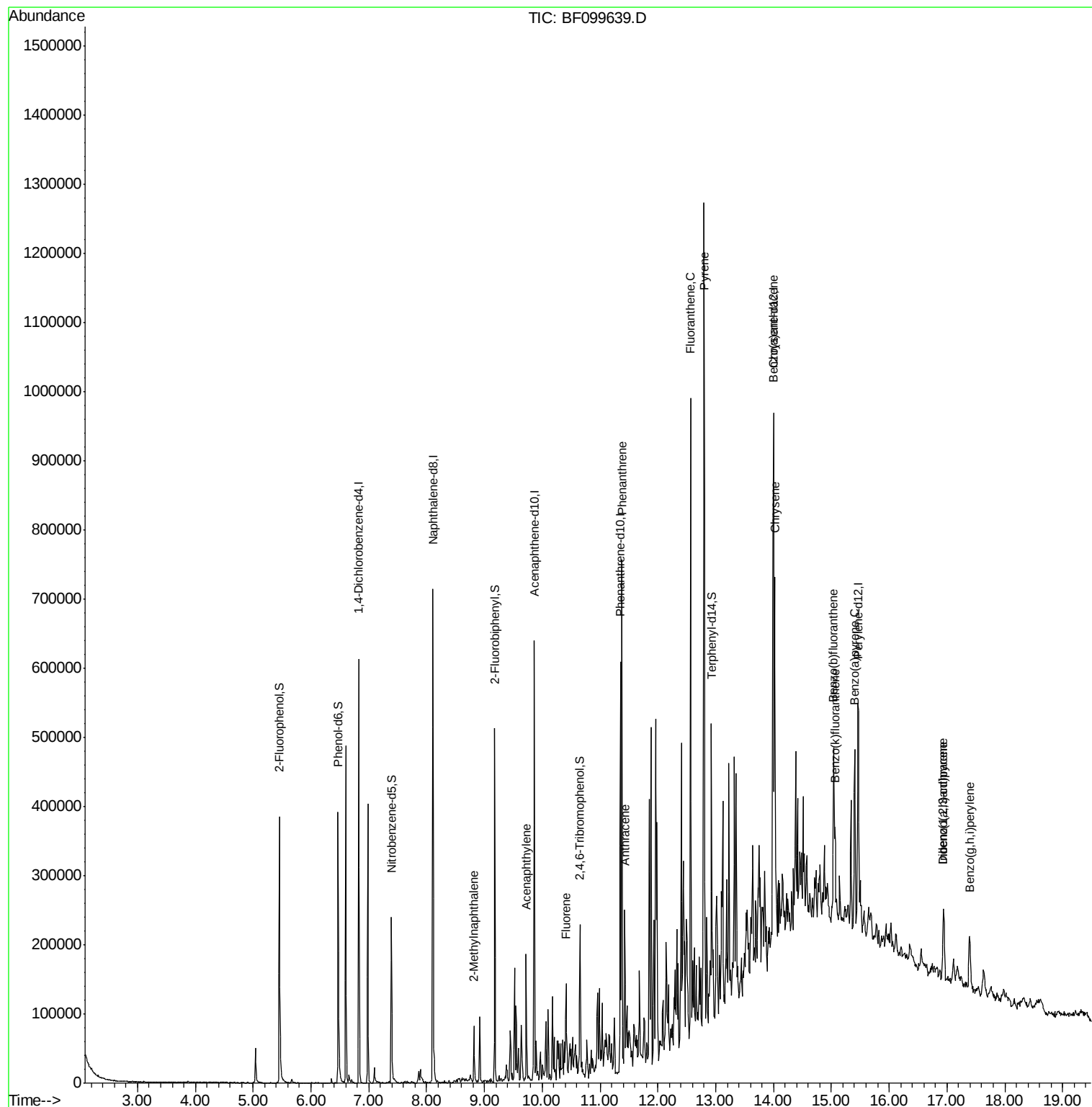
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
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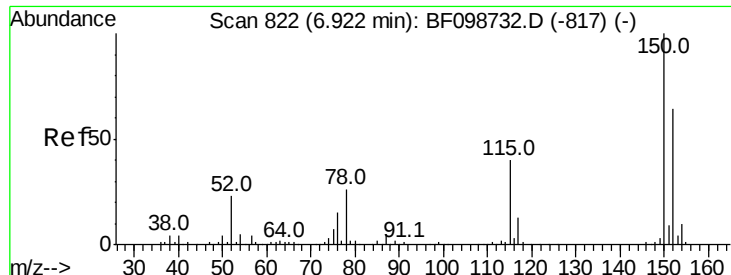
Instrument :
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#1

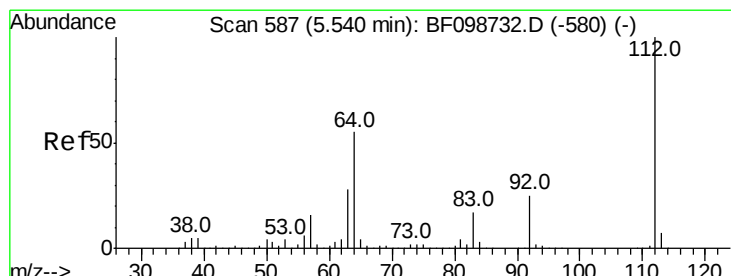
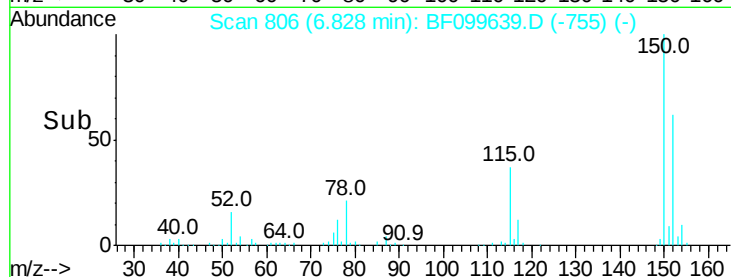
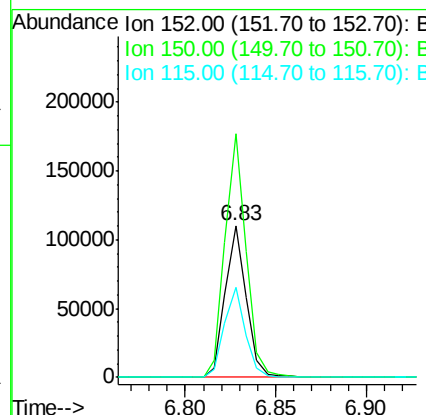
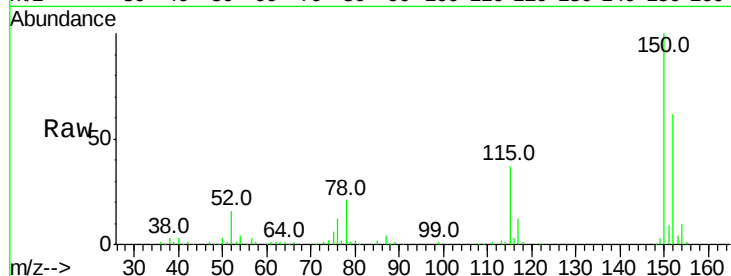
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099639.D
Acq: 19 Oct 2017 1:24

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	59.3	50.1	75.1

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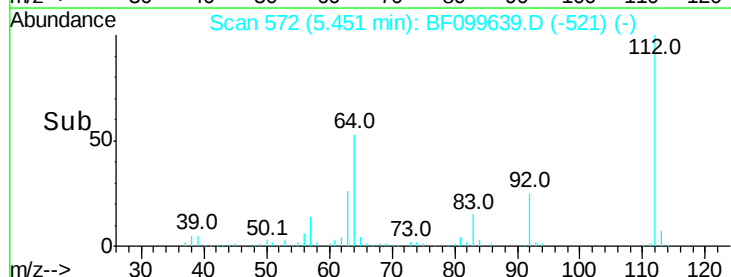
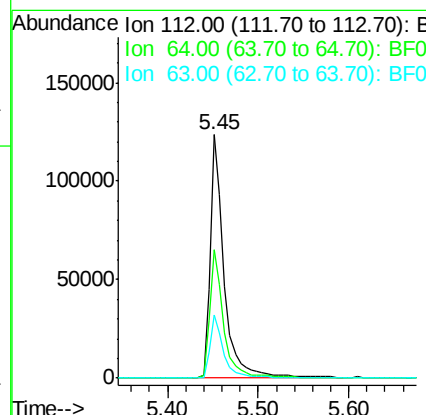
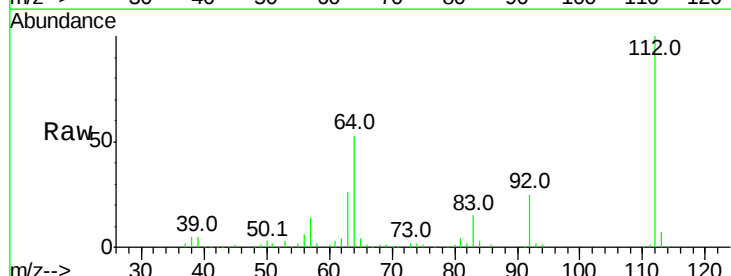
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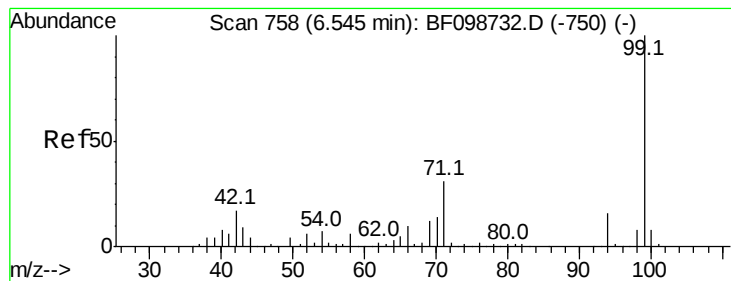


#5

2-Fluorophenol
Concen: 23.952 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.00 min
Lab File: BF099639.D
Acq: 19 Oct 2017 1:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	47.9	71.9
63	25.7	23.7	35.5





#7

Phenol-d6

Concen: 22.080 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099639.D

Acq: 19 Oct 2017 1:24

Instrument :

BNA_F

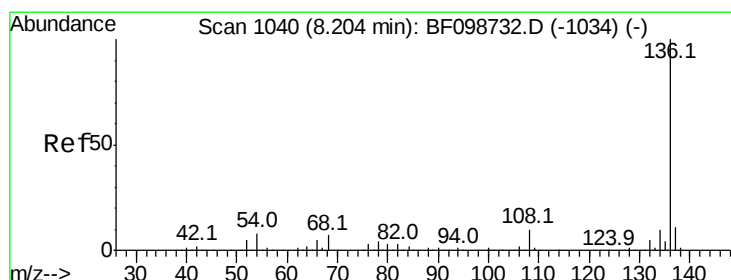
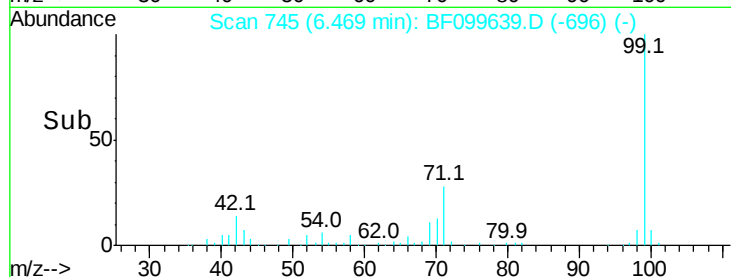
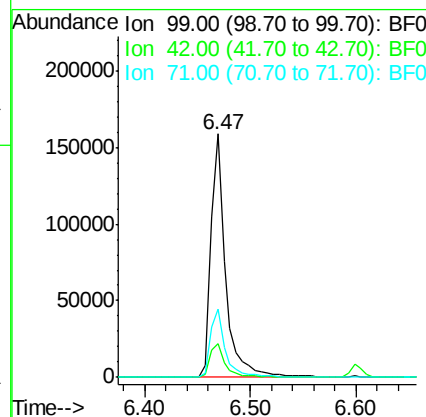
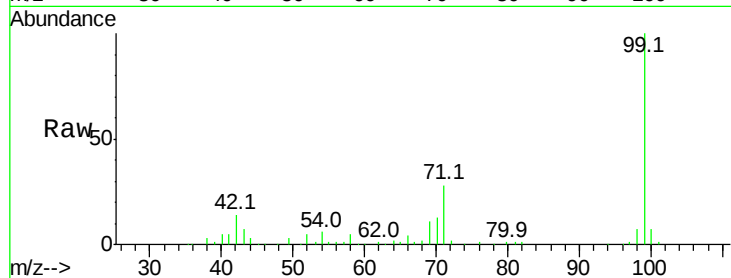
ClientSampleId :

CL-02-101617-D

Tot Ion:	99	Resp:	153379
Ion Ratio	Lower	Upper	
99	100		
42	13.8	14.5	21.7#
71	28.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

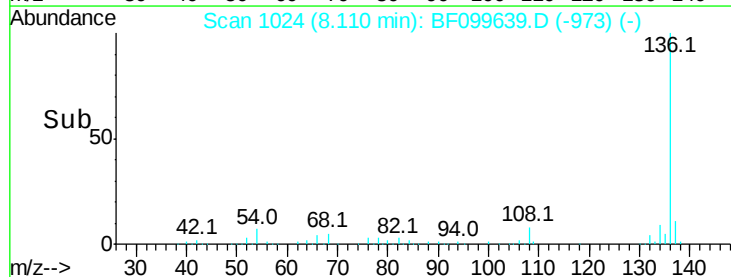
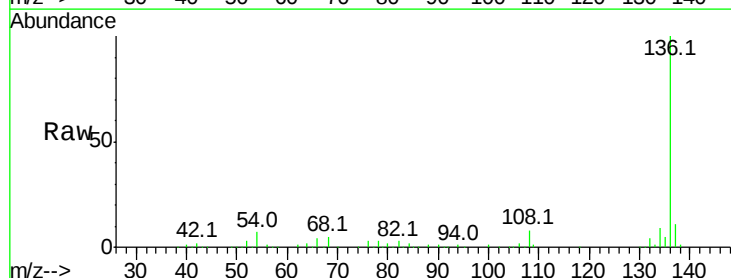
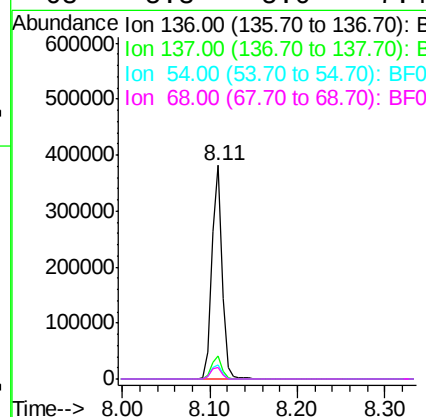
RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF099639.D

Acq: 19 Oct 2017 1:24

Tgt Ion:	136	Resp:	312091
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	6.6	6.6	9.8
68	5.3	5.0	7.4





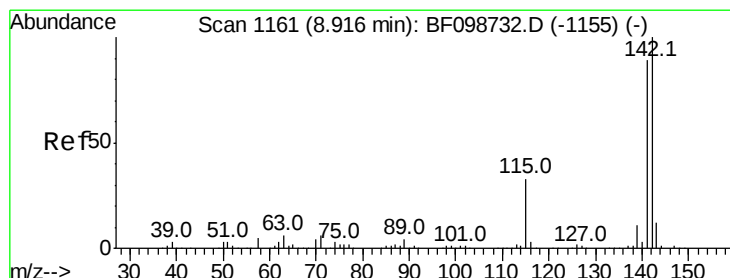
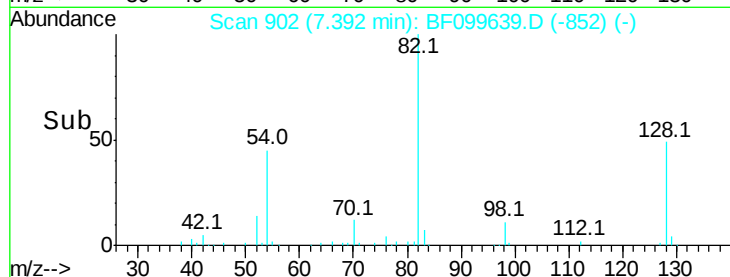
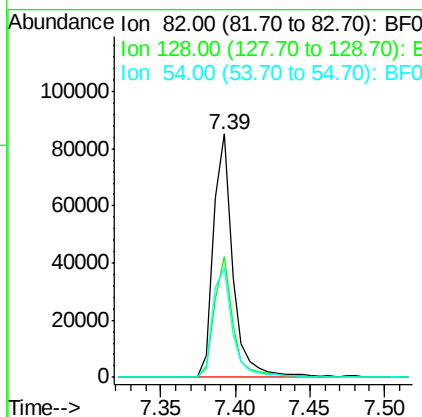
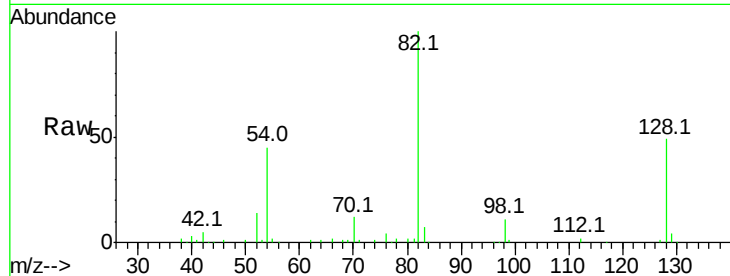
#23
 Nitrobenzene-d5
 Concen: 15.973 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF099639.D
 Acq: 19 Oct 2017 1:24

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.3	36.1	54.1
54	45.0	41.4	62.2

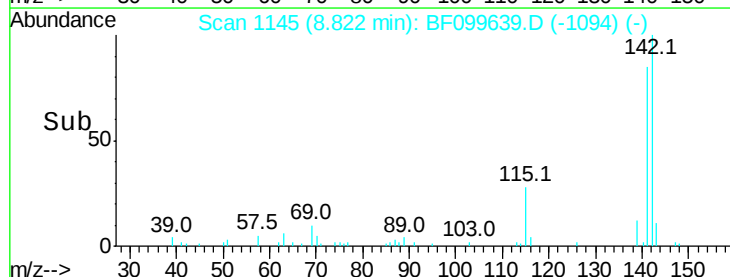
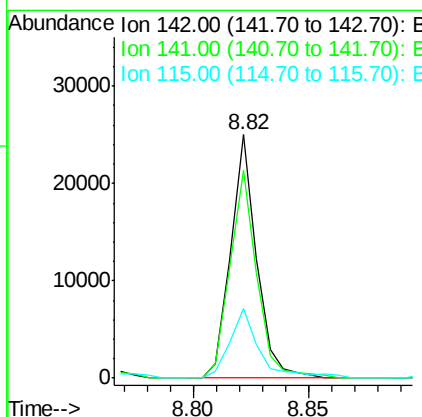
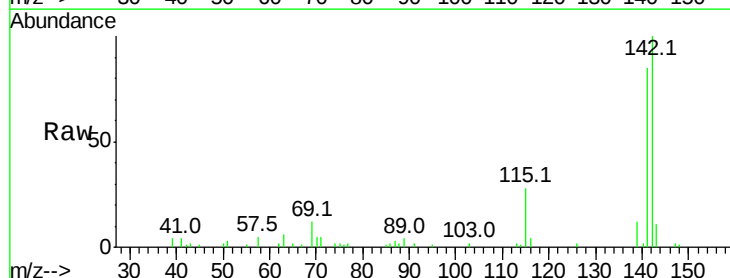
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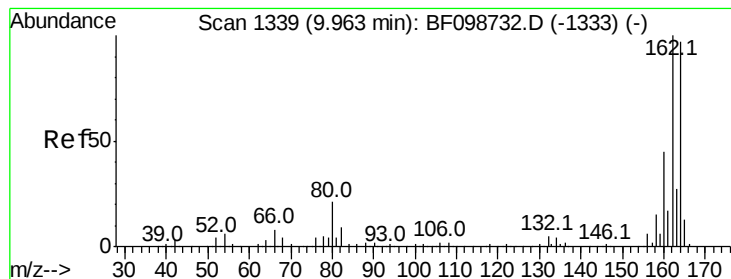
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#37
 2-Methylnaphthalene
 Concen: 2.063 ng
 RT: 8.82 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: BF099639.D
 Acq: 19 Oct 2017 1:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.5	70.8	106.2
115	28.4	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF099639.D

Acq: 19 Oct 2017 1:24

Instrument :

BNA_F

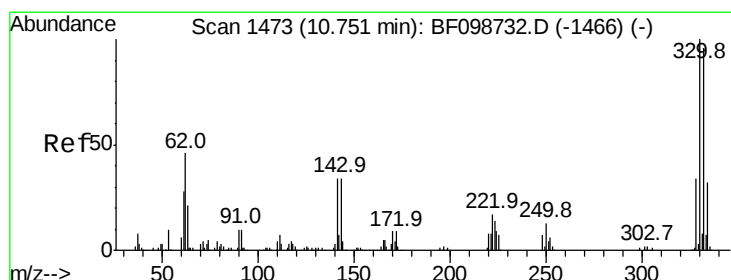
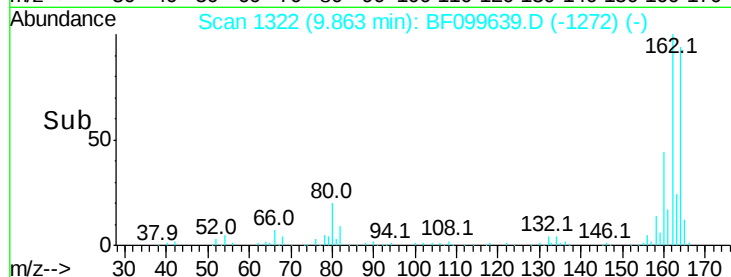
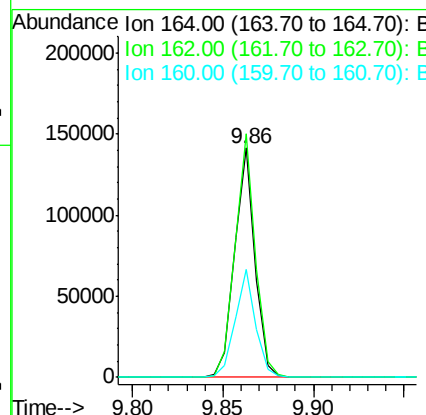
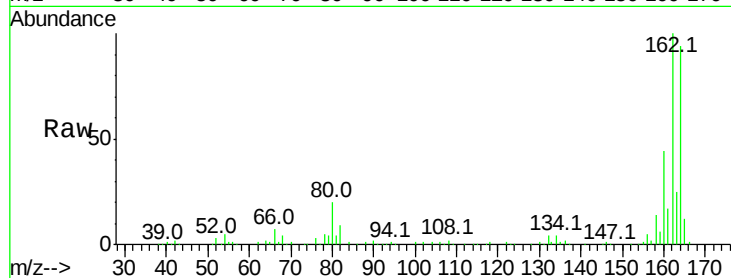
ClientSampleId :

CL-02-101617-D

Tot Ion:	164	Resp:	110554
Ion Ratio	Lower	Upper	
164	100		
162	106.3	86.1	129.1
160	47.0	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 22.322 ng

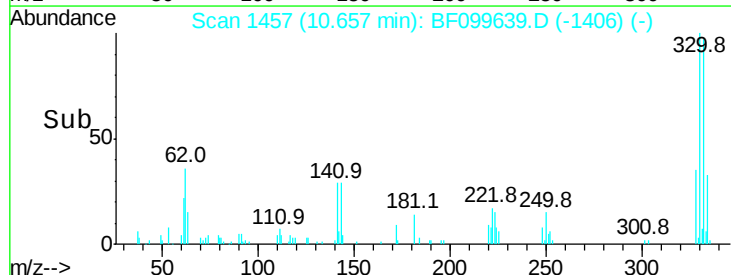
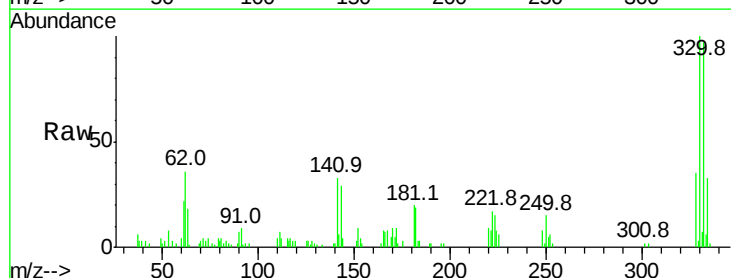
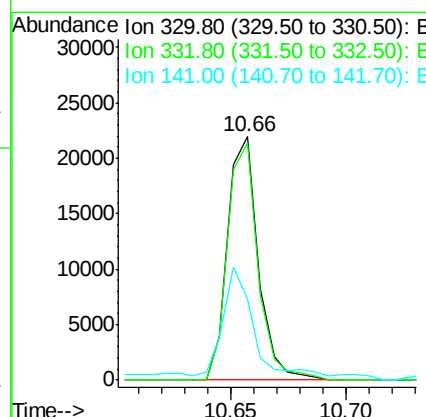
RT: 10.66 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BF099639.D

Acq: 19 Oct 2017 1:24

Tgt Ion:	330	Resp:	20193
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.0	115.6
141	51.5	29.9	44.9#





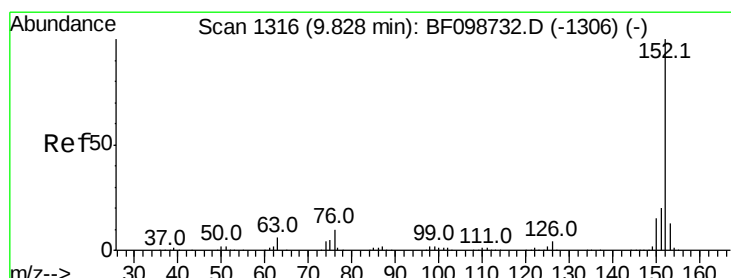
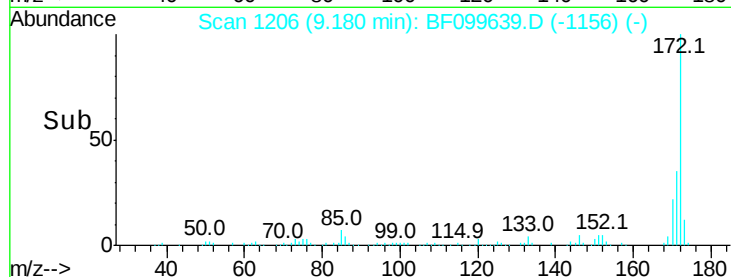
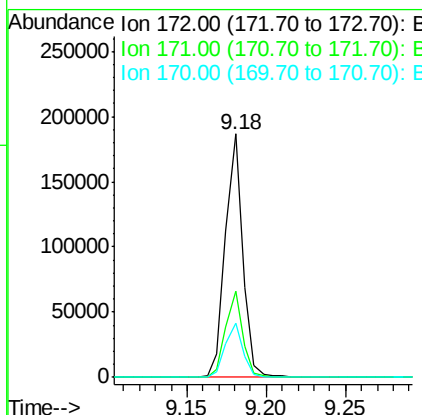
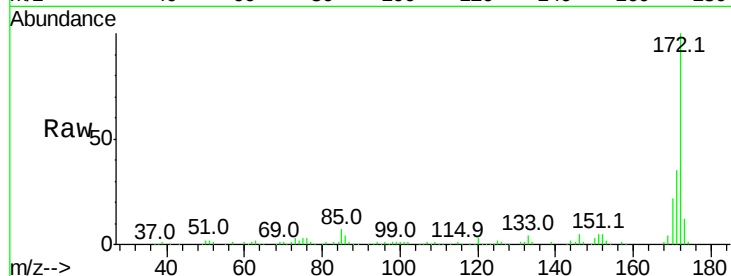
#44
2-Fluorobiphenyl
Concen: 21.525 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF099639.D
Acq: 19 Oct 2017 1:24

Instrument :
BNA_F
ClientSampled :
CL-02-101617-D

Tot Ion:	172	Resp:	142542
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.7	44.5
170	22.2	19.6	29.4

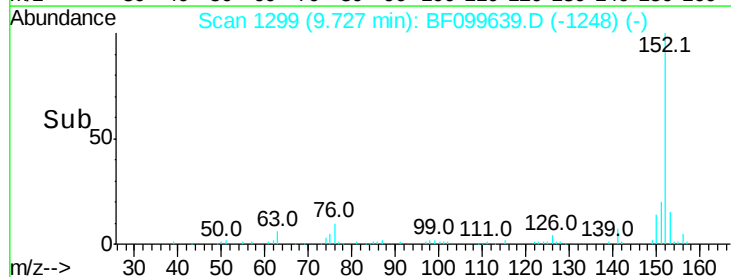
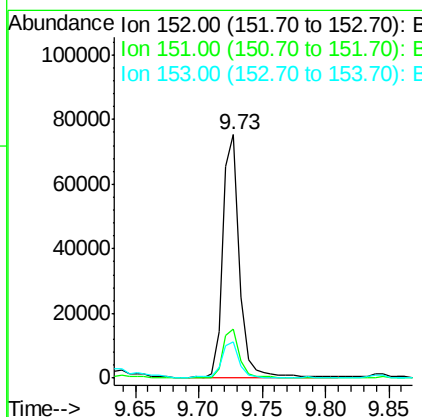
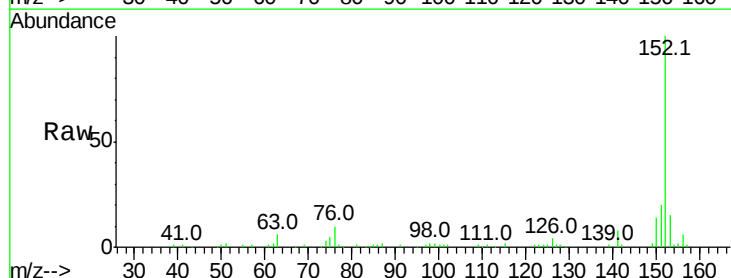
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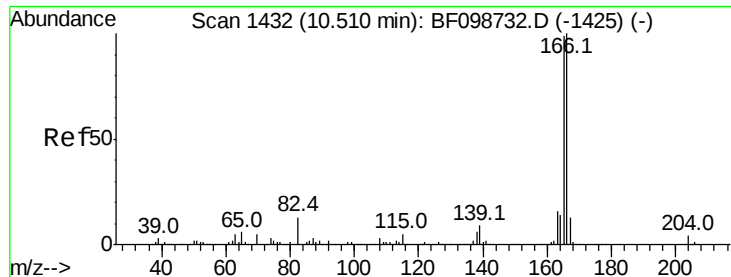
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#48
Acenaphthylene
Concen: 6.443 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BF099639.D
Acq: 19 Oct 2017 1:24

Tgt Ion:	152	Resp:	70368
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	15.2	10.7	16.1





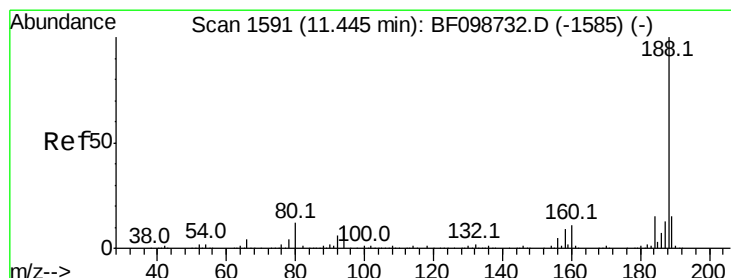
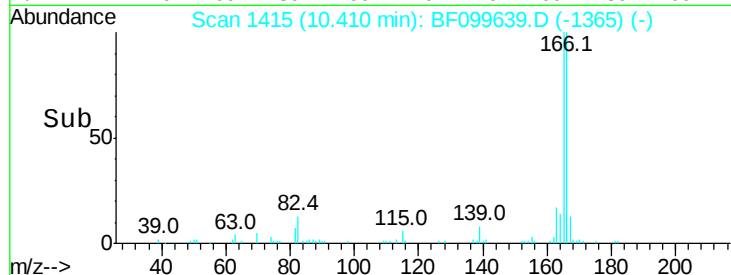
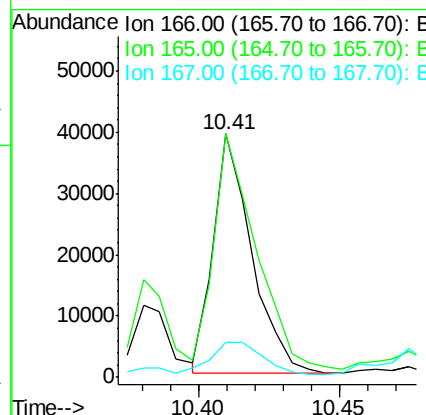
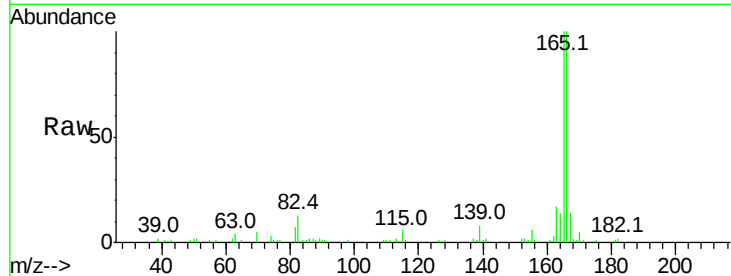
#57
Fluorene
 Concen: 4.983 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF099639.D
 Acq: 19 Oct 2017 1:24

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.1	79.8	119.8
167	14.3	10.6	16.0

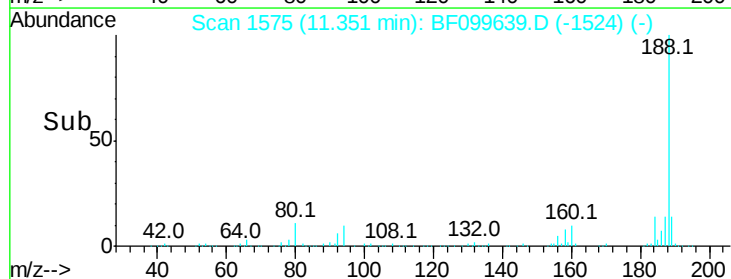
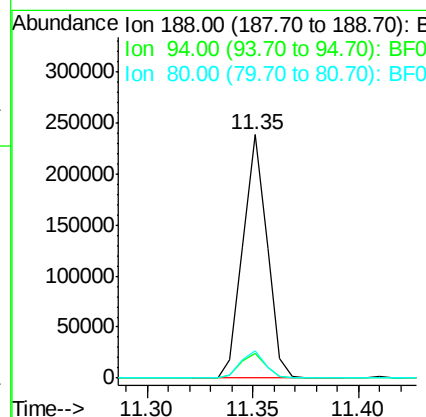
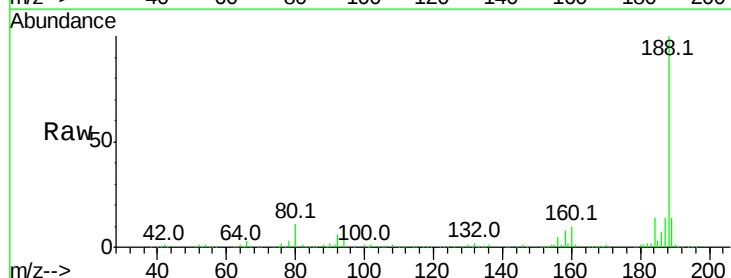
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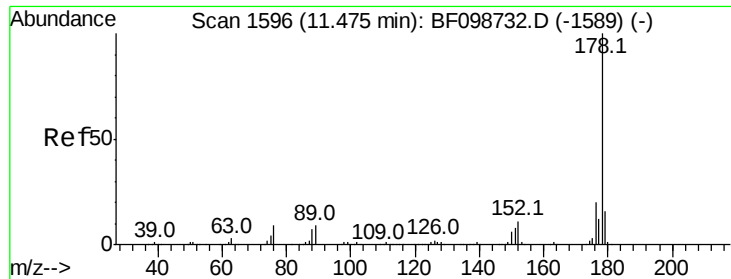
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF099639.D
 Acq: 19 Oct 2017 1:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.4	9.2	13.8





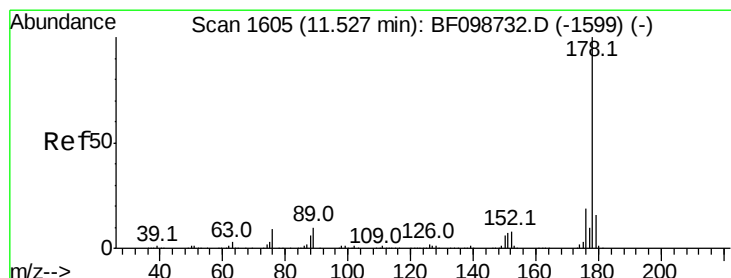
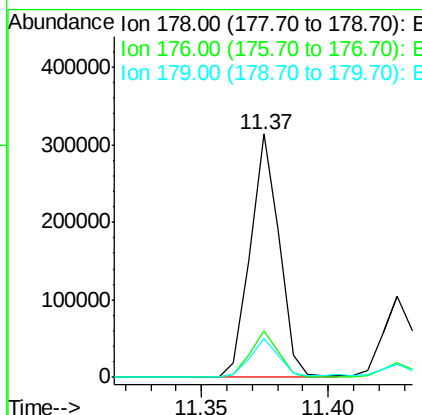
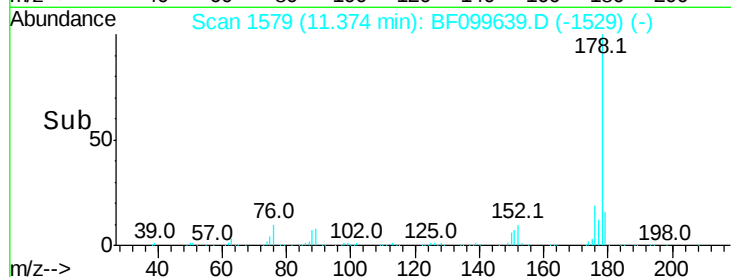
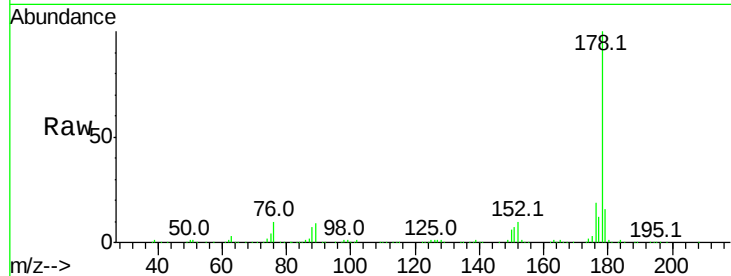
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Phenanthrene
Concen: 24.687 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF099639.D
Acq: 19 Oct 2017 1:24

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	16.0	13.0	19.6

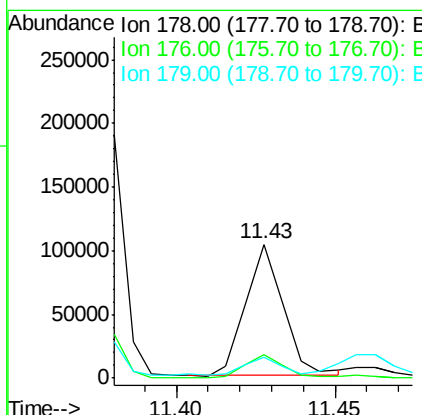
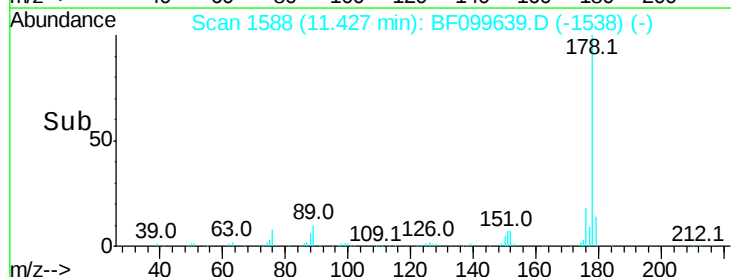
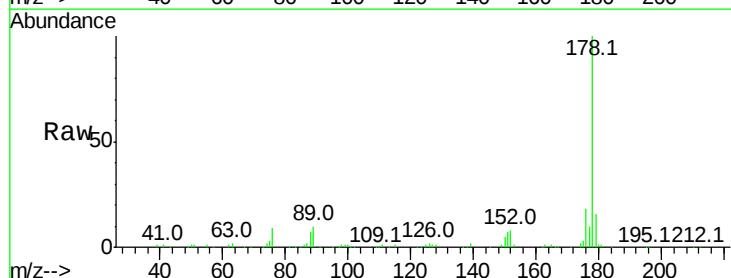
Manual Integrations
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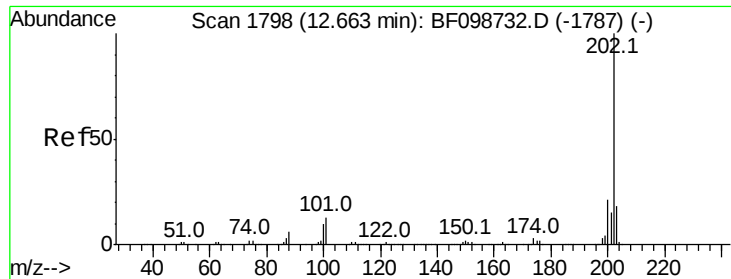
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#71
Anthracene
Concen: 8.221 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF099639.D
Acq: 19 Oct 2017 1:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.5	12.6	19.0





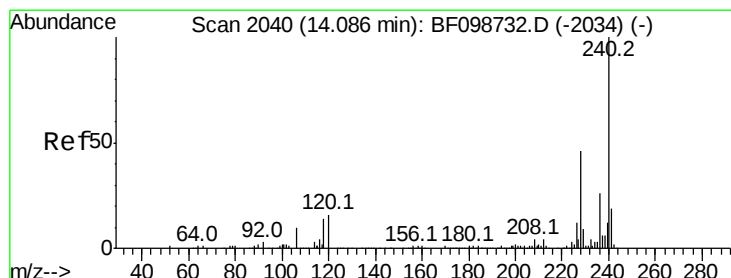
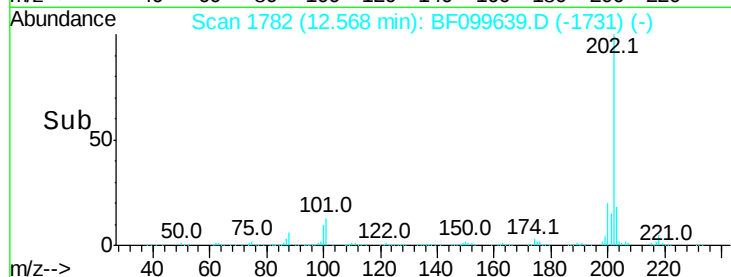
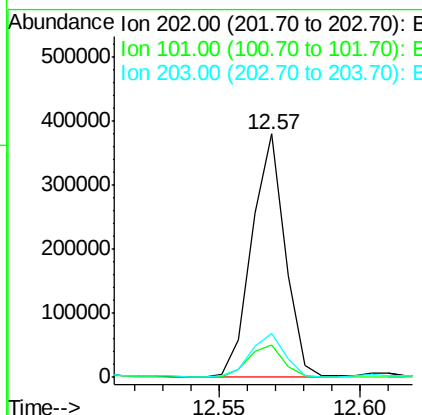
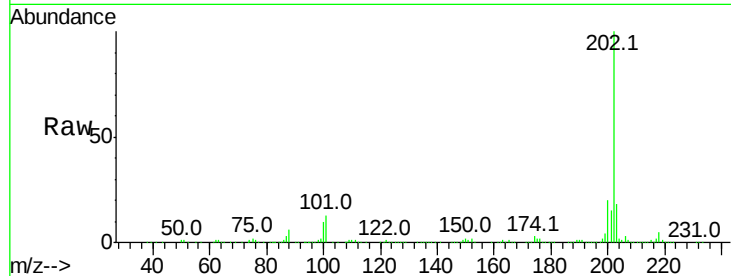
#74
Fluoranthene
Concen: 30.144 ng
RT: 12.57 min Scan# 1782
Delta R.T. 0.00 min
Lab File: BF099639.D
Acq: 19 Oct 2017 1:24

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.3	0.0	34.1
203	18.0	0.0	38.1

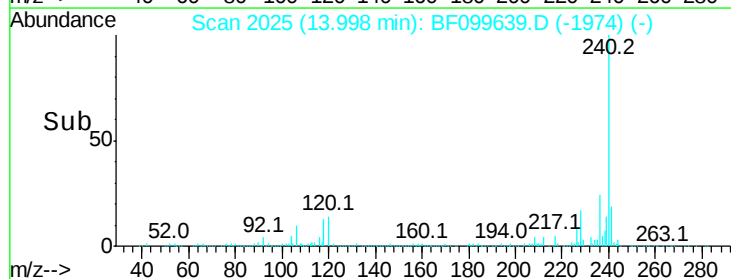
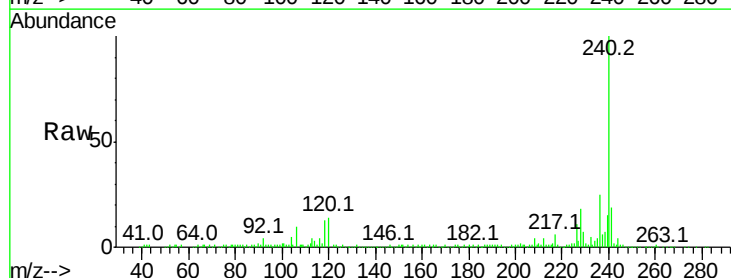
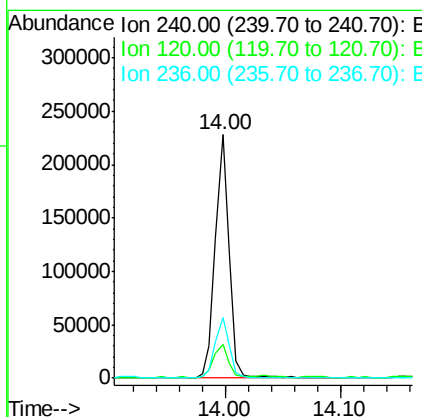
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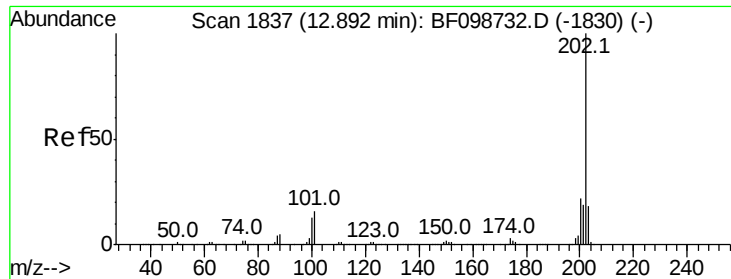
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF099639.D
Acq: 19 Oct 2017 1:24

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.7	9.5	14.3
236	24.8	20.7	31.1





#77

Pvrene

Concen: 32.156 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF099639.D

Acq: 19 Oct 2017 1:24

Instrument :

BNA_F

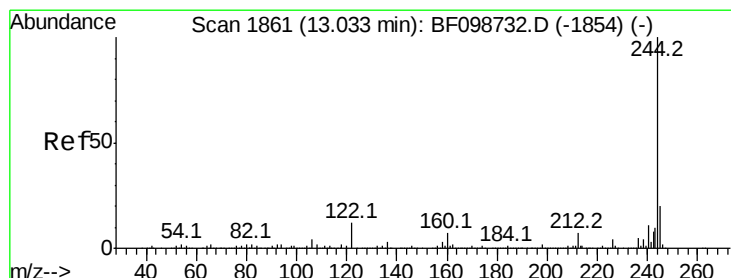
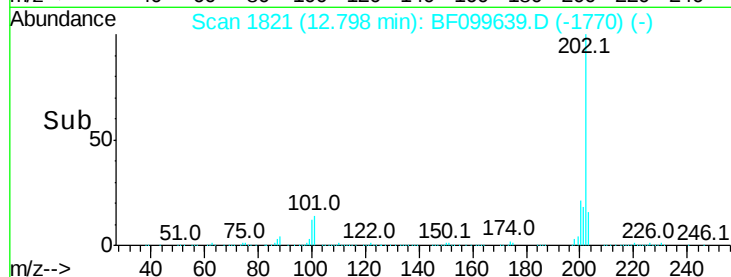
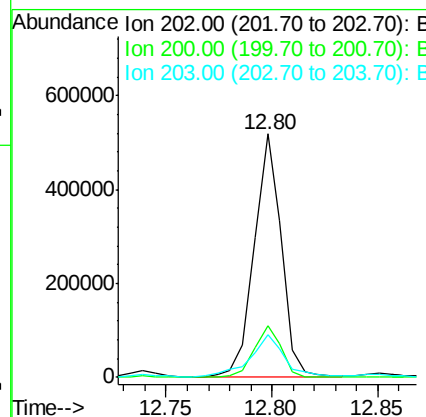
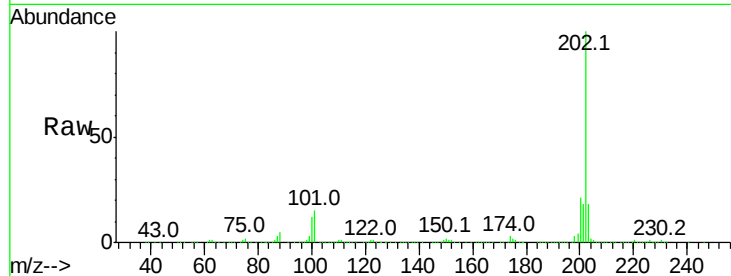
ClientSampleId :

CL-02-101617-D

Tot Ion:	202	Resp:	461236
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.5	14.3	21.5

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#78

Terphenyl-d14

Concen: 14.529 ng

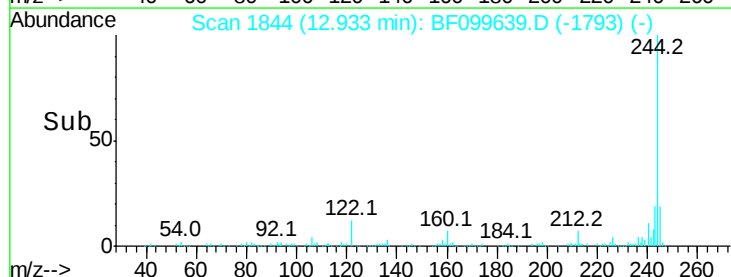
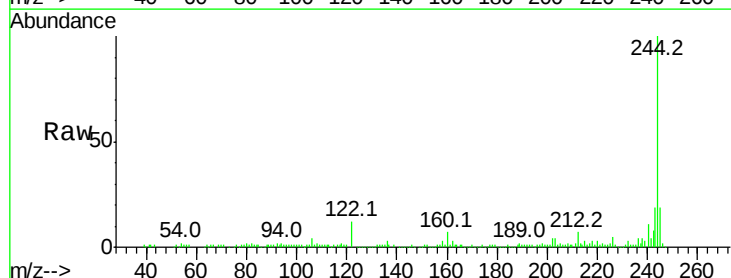
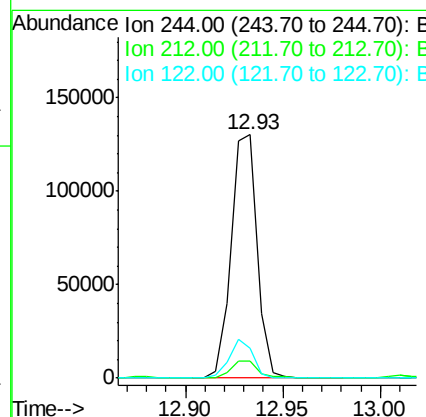
RT: 12.93 min Scan# 1844

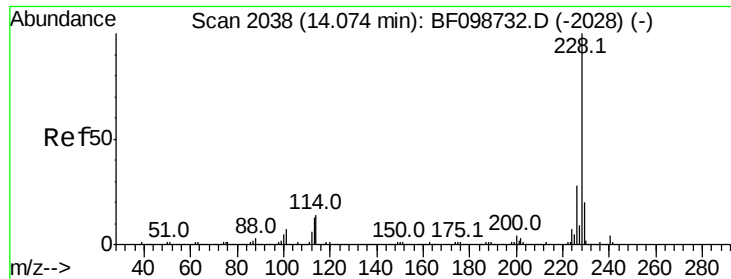
Delta R.T. 0.00 min

Lab File: BF099639.D

Acq: 19 Oct 2017 1:24

Tgt Ion:	244	Resp:	120175
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.2	11.0	16.4





#80

Benzo(a)anthracene

Concen: 17.025 ng

RT: 13.99 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BF099639.D

Acq: 19 Oct 2017 1:24

Instrument :

BNA_F

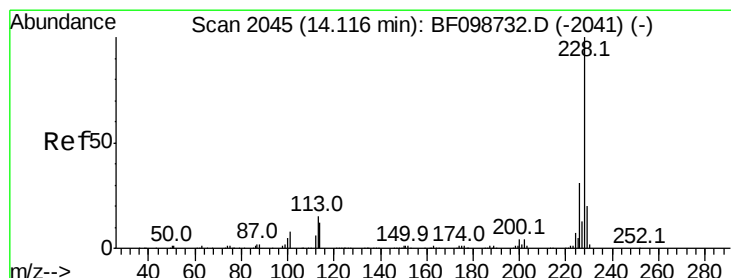
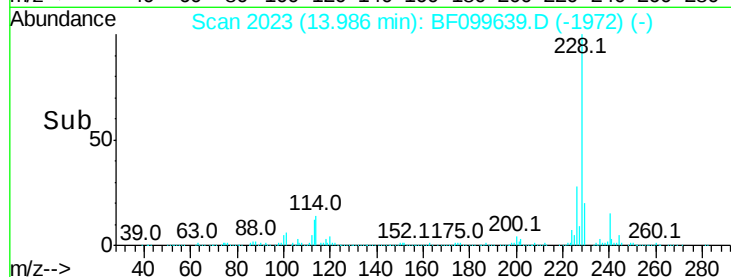
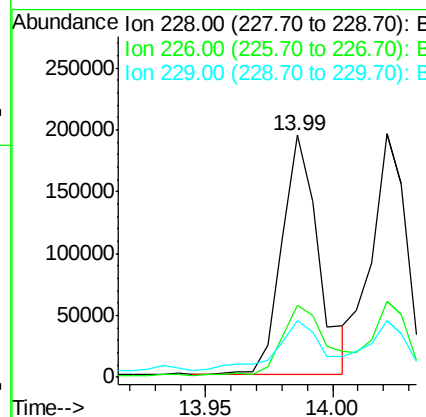
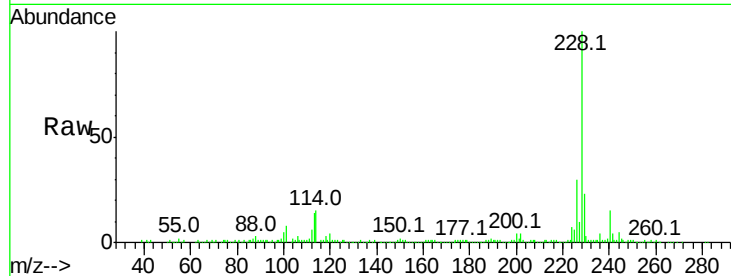
ClientSampleId :

CL-02-101617-D

Tot Ion:	228	Resp:	193922
Ion Ratio	Lower	Upper	
228	100		
226	29.8	22.6	33.8
229	23.4	15.8	23.6

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#82

Chrysene

Concen: 17.577 ng

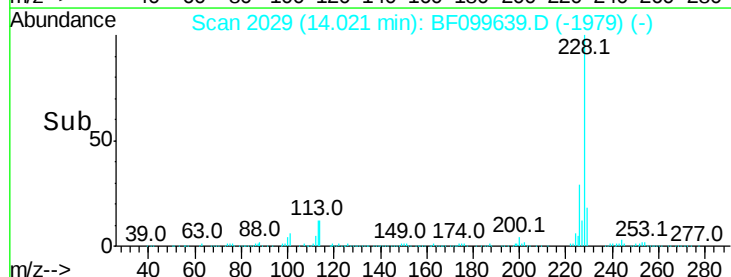
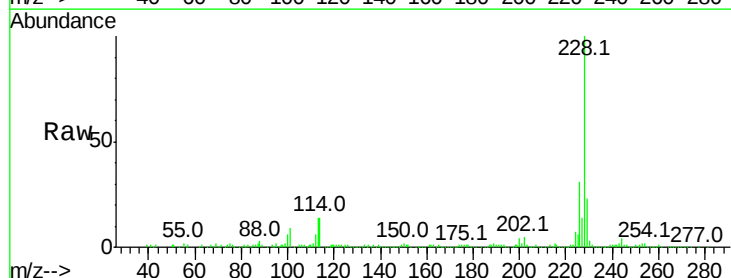
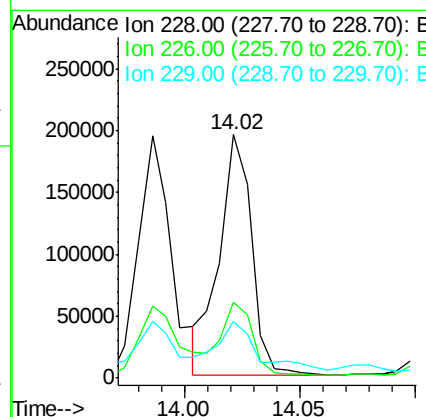
RT: 14.02 min Scan# 2029

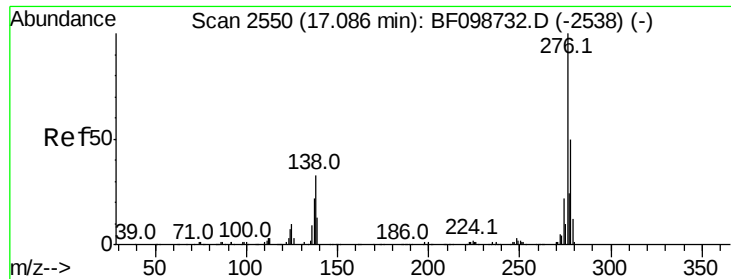
Delta R.T. -0.01 min

Lab File: BF099639.D

Acq: 19 Oct 2017 1:24

Tgt Ion:	228	Resp:	190601
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	23.3	16.2	24.4





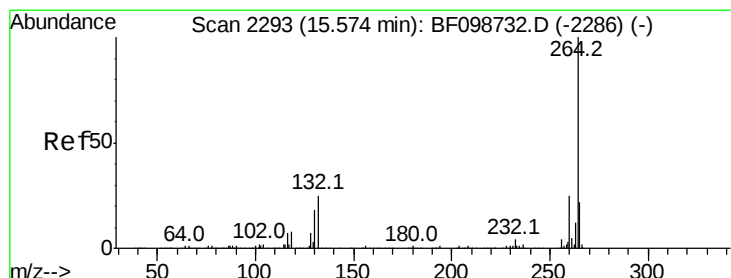
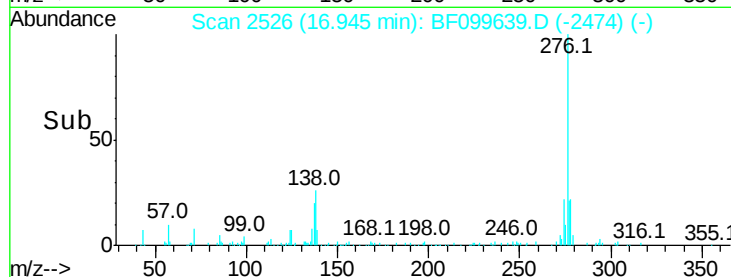
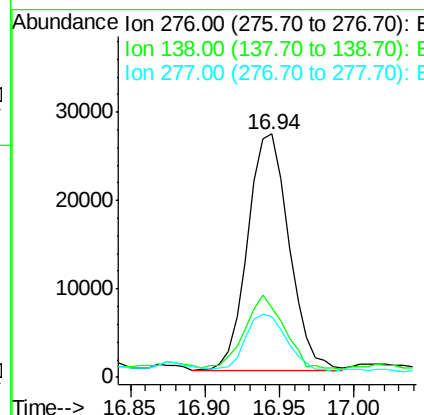
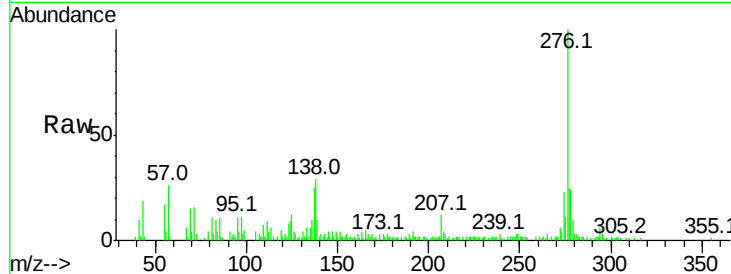
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.968 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. 0.01 min
 Lab File: BF099639.D
 Acq: 19 Oct 2017 1:24

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.0	25.0	37.6
277	24.4	20.1	30.1

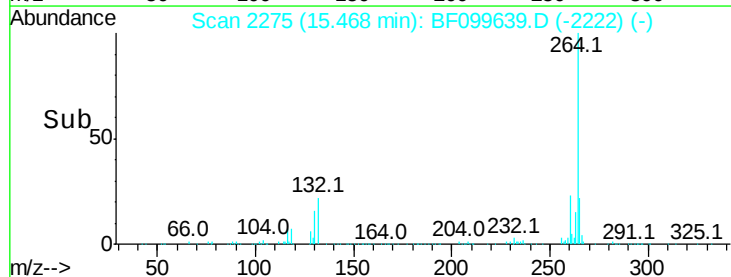
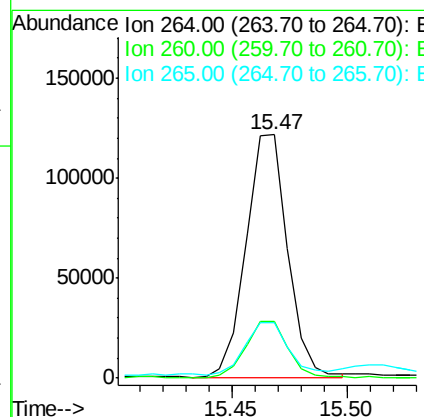
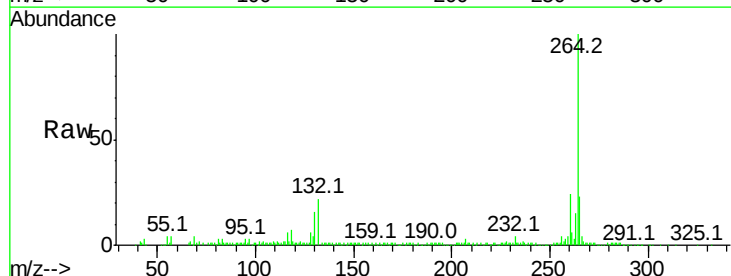
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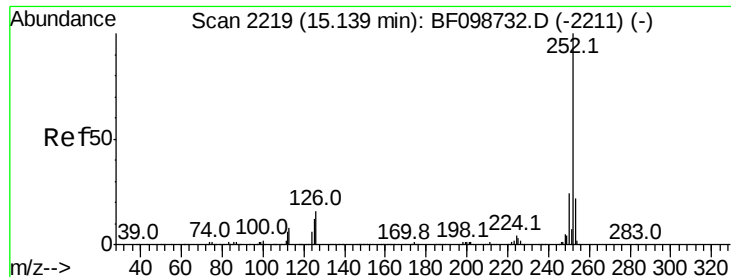
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.01 min
 Lab File: BF099639.D
 Acq: 19 Oct 2017 1:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	23.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 15.453 ng m

RT: 15.04 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BF099639.D

Acq: 19 Oct 2017 1:24

Instrument :

BNA_F

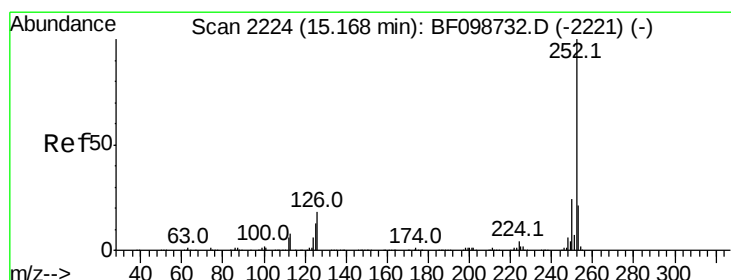
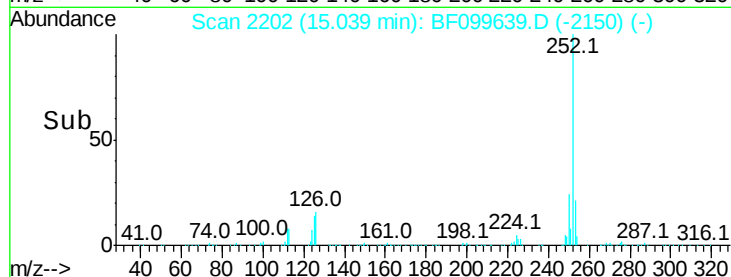
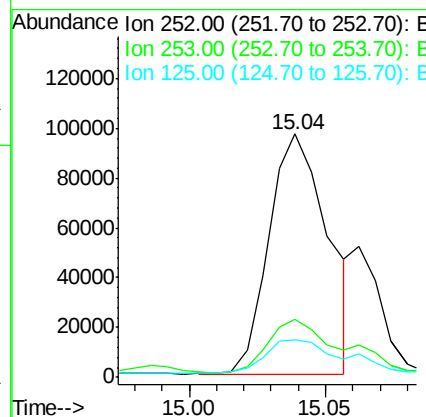
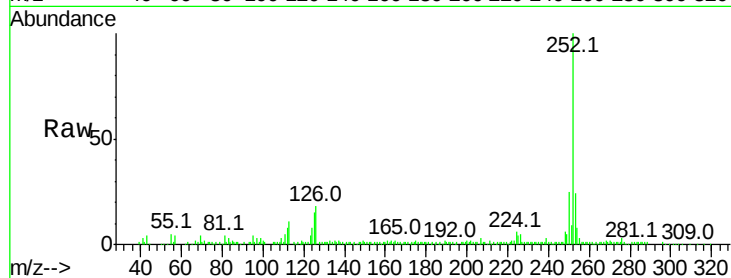
ClientSampleId :

CL-02-101617-D

Tot Ion:	252	Resp:	145192
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.0	25.6
125	15.4	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 4.168 ng m

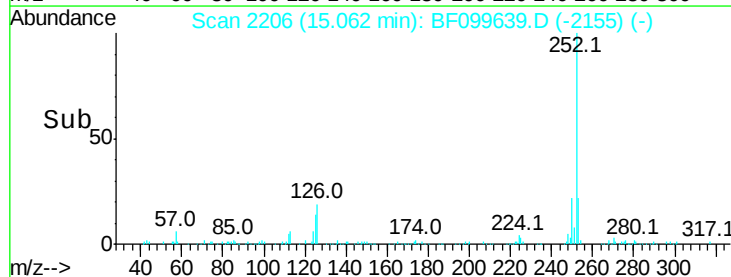
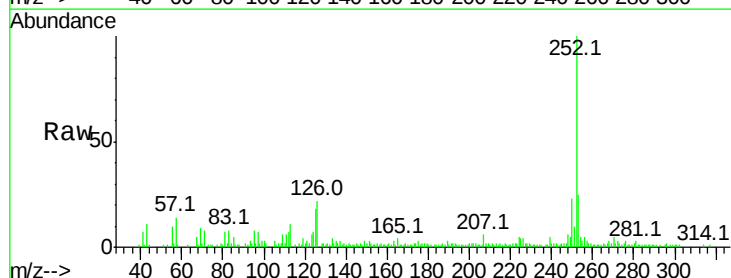
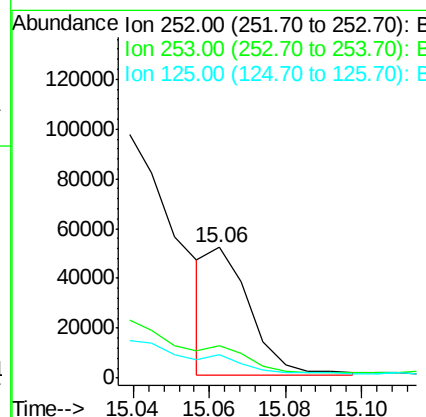
RT: 15.06 min Scan# 2206

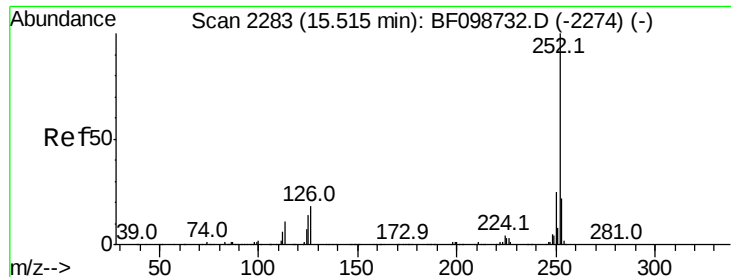
Delta R.T. 0.00 min

Lab File: BF099639.D

Acq: 19 Oct 2017 1:24

Tgt Ion:	252	Resp:	38681
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.9	26.9
125	17.9	10.2	15.2#





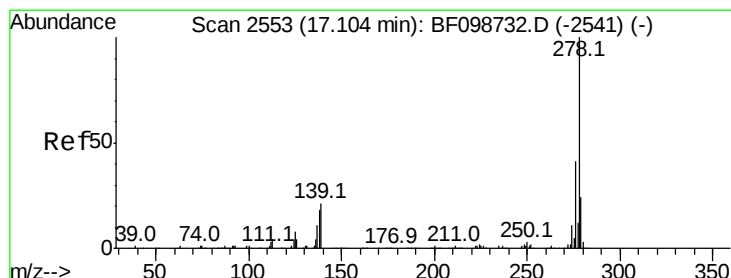
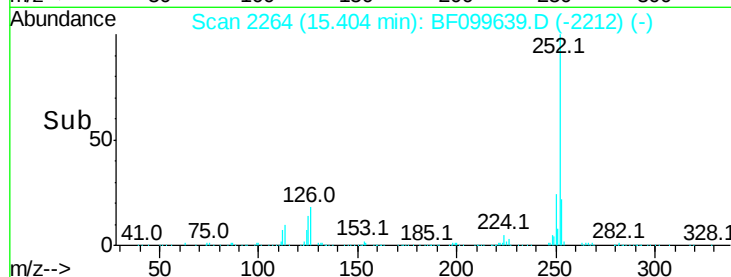
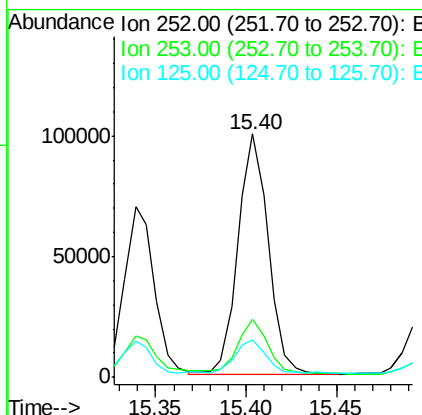
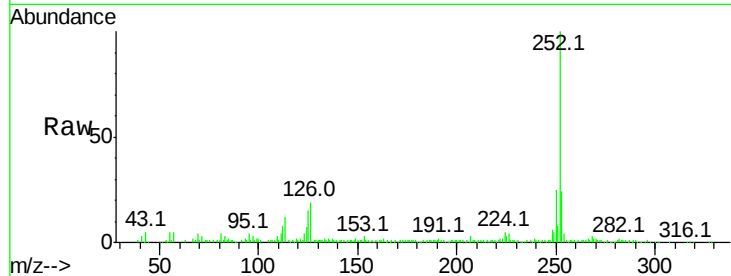
#89
Benzo(a)pyrene
Concen: 13.447 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF099639.D
Acq: 19 Oct 2017 1:24

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	15.2	9.8	14.6

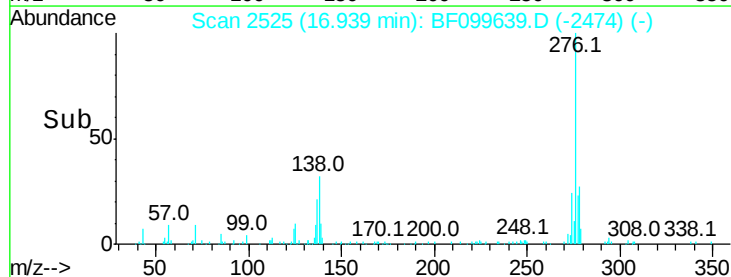
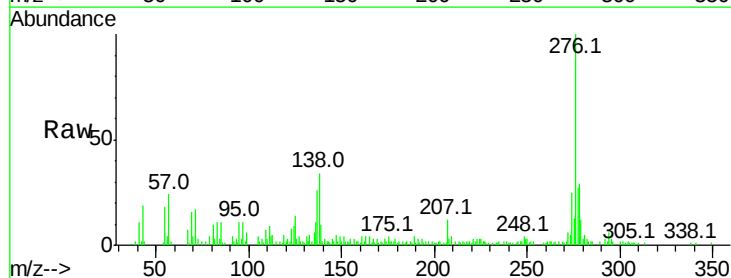
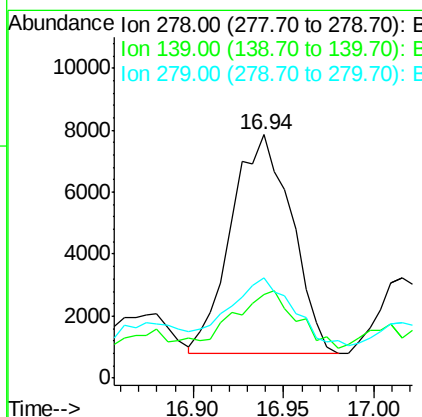
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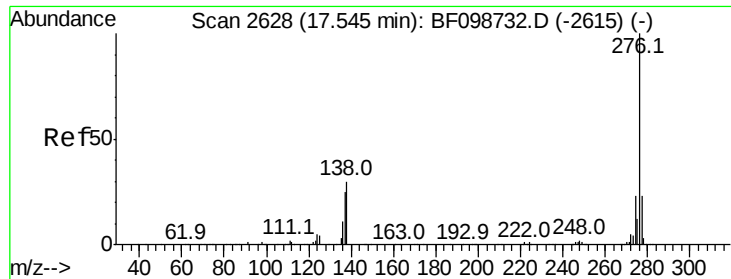
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#90
Dibenzo(a,h)anthracene
Concen: 2.366 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.00 min
Lab File: BF099639.D
Acq: 19 Oct 2017 1:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.3	15.9	23.9
279	41.2	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 8.176 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. 0.02 min
 Lab File: BF099639.D
 Acq: 19 Oct 2017 1:24

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	33.6	21.8	32.8

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